



Project Report
FCRC-PR 96-02 (Volume 2)

BCA Fire Provisions Restructured

FCRC Project 1
Restructure BCA Fire Provisions

Fire Code Reform Research Program
April 1996

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Background

The Fire Code Reform Research Program is funded by voluntary contributions from regulatory authorities, research organisations and industry participants.

Project 1 of the Program required comprehensive analysis of all fire related clauses within the prescriptive provisions of BCA 90 and reallocation of them into fire engineering sub-system format. The aim was to identify the levels of fire-safety performance being achieved by buildings constructed in accordance with these provisions and to provide benchmarks for ongoing development in other projects of the Program of the performance-based approach to building fire-safety design.

Volumes 1 and 2 of this Project Report FCRC-PR 96-02 were produced by CSIRO – Division of Building, Construction and Engineering of 14 Julius Avenue, Riverside Corporate Park, Delhi Road, North Ryde, New South Wales 2113 at the conclusion of its involvement in this work as principal consultant.

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Comments

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PREFACE

In June 1994 the Fire Code Reform Centre Ltd was established to undertake a comprehensive program of research to reform the present fire regulations. The Centre represents a collaboration between the regulatory authorities, industry and fire research organisations. The aim of the centre is to identify and sponsor research, education and other activities necessary to bring about reform of the building regulations. It brings together the reform agenda of the regulatory authorities and the needs of designers and industry to move towards a more performance oriented, engineering approach to fire safety.. The funding for the Centre and the program of research is from all of the collaborating parties, each contributing about \$A0.5M per annum towards the five-year program.

The aim of the Fire Code Reform Research Program is to introduce a cost-effective, fully engineered approach to fire safety regulations. The series of research projects is designed to:

- recast fire safety aspects of the Building Code of Australia (BCA) in terms of the performance of fire-safety sub-systems;
- rationalise current BCA prescriptions whilst maintaining acceptable life safety performance;
- develop a methodology to evaluate the performance of building fire safety systems and sub-systems on a risk-assessment basis; and
- develop a Fire Safety Design Code to provide an engineering basis for building fire safety and an alternative means of compliance with the BCA.

The outcome of the identified research program will have major impact on the way buildings will be built in the future

The progression towards a flexible, system-oriented BCA (in which the required performance of each fire-safety sub-system is clearly expressed) and the development of the Fire Safety Design Code is illustrated in the following diagram:

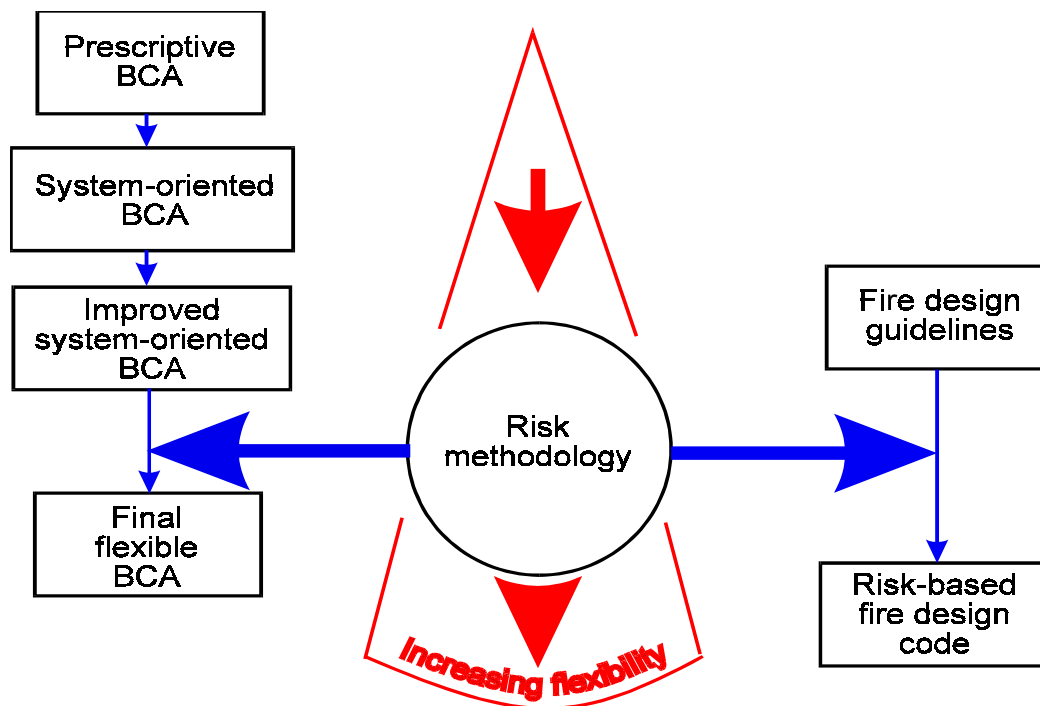
**FIRE CODE REFORM CENTRE
PROJECT 1**

**BCA Fire Provisions
Restructured**

Volume 2

April 1996





Project 1, entitled “Restructure BCA Fire Provisions”, is the cornerstone of Fire Code Reform. The current BCA contains many prescribed requirements and concessions for design for fire which together ensure an acceptable degree of safety. The project represents the first step in the development of a flexible, system-oriented BCA.

This volume contains the BCA fire provisions, restructured as detailed in the accompanying volume “Final Report on the Restructure of BCA Fire Provisions”. It has been prepared by a consortium of Australian fire research organisations for the Fire Code Reform Centre Limited (FCRC). The organisations and members principally involved were :

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The research team would like to express their gratitude to all organisations and individuals who have supported this work through their contributions and participation in the work of the Fire Code Reform Centre Limited. In particular, thanks are due to the Australian Building Codes Board who have devoted a significant proportion of their budget to fund the Fire Code Reform Program and Mr Claude Eaton, Business Manager Fire Code Reform Centre Limited, without whose fund raising efforts this work would not have been possible.

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HOW TO USE THE RESTRUCTURED BCA FIRE PROVISIONS

Introduction

The fire provisions of the BCA have been rearranged to allow you to easily select appropriate requirements for a particular fire compartment (or building), for a particular aspect of fire safety design. Requirements for individual system elements that contribute to the overall fire safety system within the building are addressed separately and the performance required of each system element is specified by a descriptor. In the BCA, system element performance varies from one group of buildings to another. Each “level” of performance has been identified and given a unique descriptor. The requirements that satisfy each descriptor are included in the form of an acceptable solution.

Selecting a building/fire compartment ID

To select requirements that apply to your building (or fire compartment, as defined in Part A1 of the BCA), you must first choose a Building ID from the Building Identity Selection Tables. To do this you need to know the class and sub-class of your building, the maximum compartment floor area/volume, the effective height of the building and its rise in storeys.

Classes and sub-classes are based on those referenced in the BCA. First use BCA Part A3 to determine the building classification for your building or fire-compartment. In some cases you may need to choose a sub-class; these are listed at the front of the Building Identity Selection Tables. If your building or fire compartment is of multiple classification and the alternative classes (based on the assumption that the classification applying to the top storey applies to all storeys) give you a choice of system designators, construction must comply with the designator with the lowest number (see BCA clause C1.3). If your building is an open spectator stand with more than one tier of seating, it is a Class 9b building with no sub-class.

Maximum compartment floor area/volume gives the upper limit on both these properties. Neither value may exceed that shown in the Table for your Building ID - if it does, select a Building ID from the row below.

Effective height is calculated in accordance with the definition given in Part A1 of the BCA.

Rise in storeys is calculated in accordance with Clause C1.2 of the BCA.

Selecting designators from the Fire Code Requirement Chart

When you have selected your Building ID, turn to the Fire Code Requirement Chart. Find your Building ID in the left-hand column; the designators that apply to your building will be given in the corresponding row. Each row represents a unique fire safety system for your building. If there is more than one row corresponding to your Building ID, you have a choice of fire safety systems (for example, one system might require sprinklers to be fitted while another might rely on compartmentation and

materials control). Do not interchange elements from two separate systems as this will affect the overall safety of your building. Note the designators for the system or systems in which you are interested.

System element details

Designators and descriptors

Now you have selected appropriate designators, turn to the system element details for the element in which you are interested. Find the principle designator (for example, M1 or FS5) - each one is given on a separate page. Beneath the principle designator is the descriptor. This descriptor applies to your building.

Where your designator ends in a number, the descriptor will be followed directly by an application and an acceptable solution. Where your designator ends in a letter you must find the corresponding application and solution; the lower-case letters indicate differences in application or minor differences in acceptable solutions and allow us to isolate instances where alternatives occur.

Application

In choosing a Building ID, you have specified many features of your building and/or fire compartment. This information is not repeated in the “application” - if the Fire Code Requirement Chart includes a designator, you can assume that the acceptable solution applies in some way to your building (we will call it a building although it might be a fire compartment).

If there is no “application”, the acceptable solution applies throughout your building. If there is an “application”, it might do several things. It might limit the application of the acceptable solution to certain elements or areas within the building; or it might limit it to buildings above or below a certain size. In some cases the application will be limited only in certain classes of building; if your building class is not mentioned while others are, the acceptable solution applies throughout your building.

Acceptable solution

The acceptable solutions give a specified way of satisfying the descriptor. To allow those considering the document to locate the origin of requirements in the BCA, “Acceptable ID” numbers have been included in brackets (). The relationship between Acceptable ID number and BCA clause number is given in Appendix A at the back of this document.

BUILDING IDENTITY SELECTION TABLES

CLASS 1 AND 10 BUILDINGS		
CLASS 1A		
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - any
		Rise in storeys
		any
unlimited	unlimited	1
CLASS 1B		
unlimited	unlimited	2
CLASS 10A		
unlimited	unlimited	448
CLASS 10B		
unlimited	unlimited	449

CLASS 2 BUILDINGS						
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m	
		Rise in storeys			Rise in storeys	
		1	2	>2	2	>2
COMMON AREAS						
unlimited	unlimited	453	8	456	9	457
INTERNAL PARTS OF A SOLE OCCUPANCY UNIT						
unlimited	unlimited	3	4	6	5	7

CLASS 3 BUILDINGS						
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m	
		Rise in storeys			Rise in storeys	
		1	2	>2	2	>2
COMMON AREAS						
unlimited	unlimited	458	459	461	460	462
INTERNAL PARTS OF A SOLE OCCUPANCY UNIT						
unlimited	unlimited	10	11	13	12	14
THE RESIDENTIAL PART OF A SCHOOL						
unlimited	unlimited	15	16	18	17	19

CLASS 4 BUILDINGS								
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m				Effective height - > 25 m		
		Rise in storeys				Rise in storeys		
		1	2	3	>3	2	3	>3
unlimited	unlimited	20	21	23	25	22	24	26

CLASS 5 BUILDINGS							
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m		
		Rise in storeys			Rise in storeys		
		<3	3	>3	2	>2	>3
3,000	18,000	27	37	45	28	38	46
5,500	33,000	33	37	45	34	38	46
8,000	48,000	35	43	45	36	44	46
18,000	108,000	29	39	47	30	40	48
>18,000	>108,000	31	41	49	32	42	50

CLASS 6 BUILDINGS							
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m		
		Rise in storeys			Rise in storeys		
		<3	3	>3	2	3	>3
2,000	12,000	51	61	67	52	62	68
3,500	21,000	57	61	67	58	62	68
5,000	30,000	59	67	67	60	68	68
18,000	108,000	53	63	69	54	64	70
>18,000	>108,000	55	65	71	56	66	72

CLASS 7 BUILDINGS							
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m		
		Rise in storeys			Rise in storeys		
		<3	3	>3	2	3	>3
OTHER THAN A PUBLIC CARPARK							
2,000	12,000	501	511	519	502	512	520
3,500	21,000	507	511	519	508	512	520
5,000	30,000	509	517	519	510	518	520
18,000	108,000	503	513	521	504	514	522
>18,000	>108,000	505	515	523	506	516	524
PUBLIC CAR PARK OTHER THAN AN OPEN-DECK CAR PARK							
2,000	12,000	144	154	162	145	155	163
3,500	21,000	150	154	162	151	155	163
5,000	30,000	152	160	162	153	161	163
18,000	108,000	146	156	164	147	157	165
>18,000	>108,000	148	158	166	149	159	167
OPEN-DECK CAR PARK							
unlimited	unlimited	97	130	138	98	131	139

CLASS 8 BUILDINGS							
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m		
		Rise in storeys			Rise in storeys		
		<3	3	>3	2	3	>3
2,000	12,000	168	178	186	169	179	187
3,500	21,000	174	178	186	175	179	187
5,000	30,000	176	184	186	177	187	187
18,000	108,000	170	180	188	171	181	189
>18,000	>108,000	172	182	190	173	183	191

CLASS 9a BUILDINGS						
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m	
		Rise in storeys			Rise in storeys	
		1	2	>2	2	> 2
PATIENT CARE AREAS						
2,000	12,000	211	212	214	213	215
EXCEPT PATIENT CARE AREAS						
2,000	12,000	192	197	205	198	206
3,500	21,000	193	197	205	198	206
5,000	30,000	194	199	205	200	206
18,000	108,000	195	201	207	202	208
>18,000	>108,000	196	203	209	204	210

CLASS 9b BUILDINGS						
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m	
		Rise in storeys			Rise in storeys	
		1	2	>2	2	>2
EARLY CHILDHOOD CENTRE						
3,000	18,000	333	338	346	339	347
5,500	33,000	336	338	346	339	347
8,000	48,000	337	344	346	345	347
18,000	108,000	334	340	348	341	349
>18,000	>108,000	335	342	350	343	351
SCHOOL						
3,000	18,000	352	357	365	358	366
5,500	33,000	355	357	365	358	366
8,000	48,000	356	363	365	364	366
18,000	108,000	353	359	367	360	368
>18,000	>108,000	354	361	369	362	370

CLASS 9b BUILDINGS						
Maximum compartment floor area (m²)	Maximum compartment volume (m³)	Effective height - < 25 m			Effective height - > 25 m	
		Rise in storeys			Rise in storeys	
		1	2	>2	2	>2
THEATRES, STAGES AND PUBLIC HALLS						
3,000	18,000	428	433	441	434	442
5,500	33,000	431	433	441	434	442
8,000	48,000	432	439	441	440	442
18,000	108,000	429	435	443	436	444
>18,000	>108,000	430	437	445	438	446
OPEN SPECTATOR STANDS						
unlimited	unlimited	258	262	270	263	275
INDOOR SPORTS STADIUMS WITH ONLY 1 TIER OF SEATING						
3,000	18,000	237	237	237	237	237
18,000	108,000	451	451	451	451	451
>18,000	>108,000	452	452	452	452	452
NO SUB CLASS						
3,000	18,000	218	223	231	224	232
5,500	33,000	221	223	231	224	232
8,000	48,000	222	229	231	230	232
18,000	108,000	219	225	233	226	234
>18,000	>108,000	220	227	235	228	236

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
Building ID	Structure	Escape paths	Active smoke management	Fire suppression	Fire detection	Warning	Building management	Materials control	Occupant fire fighting	Brigade fire fighting	Means of communication	Smoke compartmentation	Flame compartmentation	Exposure control	Wayfinding	Smoke and flame compartmentation	Standby power
1		EP1a EP4						M1m M2c M2d M12 M13 M14a M14e						E1q E1r E2i E3b E4		FS8	
2		EP1a EP4			FD6a	W1a		M1m M2c M2d M12 M13 M14a M14e						E1q E1r E2i E3b E4		FS8	
		EP1a EP4 EP6d			FD5a	W3 W4		M1m M2c M2d M12 M13 M14a M14e						E1q E1r E2i E3b E4		FS8	
3	S3a S3c S5a S5b S5c S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS5a FS5b FS5c	P1	
	S3a S3c S5a S5b S5c S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS5a FS5b FS5c	P1	
4	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1o E1s E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1	
	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1o E1s E2a E4 E5	WF1c	FS3a FS3b FS3j FS5a FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E1s E2a E4 E5	WF1c	FS2a FS2b FS4d FS5a FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS4d FS5a FS5b FS5c	P1	
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2	FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS4d FS5a FS5b FS5c	P1	
5	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2	FC1 FC2b FC3b FC6	E1a E1b E1o E1s E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1c E1s E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1p M1q M3b M5a M4b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E1s E2a E4 E5	WF1c	FS2a FS2b FS4d FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E1s E2a E4 E5	WF1c	FS2a FS2b FS4c FS4d FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E1s E2a E4 E5	WF1c	FS2a FS2b FS4c FS4d FS5a FS5b FS5c	P1	
S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E1s E2a E4 E5	WF1c	FS2a FS2b FS4c FS4d FS5a FS5b FS5c	P1	
6 S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1c E1l E1p E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1i FS1s FS4b FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3b M3d M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1c E1l E1p E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1i FS1s FS4b FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1c E1l E1p E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1i FS1s FS4b FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1c E1l E1p E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1i FS1s FS4b FS5a FS5b FS5c	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
8	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1r EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1o E1b E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1r EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1o E1b E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1r EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1o E1b E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1r EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1o E1b E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS4c FS5a FS5b FS5c	P1
	S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS4c FS5a FS5b FS5c	P1
	S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS4c FS5a FS5b FS5c	P1
	S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS5a FS5b FS5c	P1
	S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS5a FS5b FS5c	P1

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS4d FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS4d FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS4d FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6 FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E1s E1t E2a E4 E5	WF1b WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS2l FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1j EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6 FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1n M1p M1q M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1s E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M3c M4a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1s E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1	
S2a S2e S2f S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2l FS5a FS5b FS5c	P1	
S2a S2e S2f S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2l FS5a FS5b FS5c	P1	
S2a S2e S2f S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1s E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2l FS4d FS5a FS5b FS5c	P1	
S2a S2e S2f S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1s E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2l FS4d FS5a FS5b FS5c	P1	
S2a S2e S2f S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1s E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2l FS4d FS5a FS5b FS5c	P1	
S2a S2e S2f S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1jEP1k EP1rEP1wEP1x EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1j M1k M1n M1p M1q M3b M5a M4b M4c M5 M6a M12 M14a M14c M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1o E1s E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2l FS4d FS5a FS5b FS5c	P1	
10 S3a S3c S5a S5b S5c S6 S7 S8	EP1a EP1b EP2 EP4 EP6a EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS3a FS3b FS5a FS5b FS5c	P1	
S3a S3c S5a S5b S5c S6 S7 S8	EP1a EP1b EP2 EP4 EP6a EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS3a FS3b FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
11	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP2 EP4 EP6a	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP2 EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP2 EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP2 EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1
12	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP2 EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP6d EP1b EP2 EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1r EP2 EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1o E2a E4 E5	WF1c	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP2 EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C2		FC1 FC2b FC3b FC6	E1a E1b E1n E2a E4 E5	WF1c	FS2a FS2b FS5a FS5b FS5c	P1
13	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP2 EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C1c C2		FC1 FC2a FC2b FC3b FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1i FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP2 EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a	C1a C1c C2		FC1 FC2a FC2b FC3b FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1i FS1s FS5a FS5b FS5c	P1
14	S1a S1f S5a S5b S5c S6	EP1a EP1b EP2 EP4 EP6a EP6b EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C1c C2		FC1 FC2b FC3b FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP2 EP4 EP6a EP6b EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M12 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b C1c C2		FC1 FC2b FC3b FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
15	S3a S3c S3d S5a S5b S5c S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1o E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3a S3c S3d S5a S5b S5c S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1o E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS5a FS5b FS5c	P1	
S3a S3c S3d S5a S5b S5c S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1o E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS5a FS5b FS5c	P1	
S3a S3c S3d S5a S5b S5c S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1o E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS5a FS5b FS5c	P1	
16 S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
17 S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	
S2a S2e S2f S5a S5b S5c S5d S5e S6 S7 S8	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2g FS2j FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
18 S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1s FS5a FS5b FS5c	P1	
	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1s FS5a FS5b FS5c	P1	
	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1s FS5a FS5b FS5c	P1	
	EP1a EP1b EP1d EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1s FS5a FS5b FS5c	P1	
19 S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1s FS5a FS5b FS5c	P1	
	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a C1b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1s FS5a FS5b FS5c	P1	
	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a C1b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1s FS5a FS5b FS5c	P1	
	EP1a EP1b EP1d EP1h EP1w EP1x EP2 EP3a EP3d EP3f EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a C1b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E11 E2a E2b E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1s FS5a FS5b FS5c	P1	
20 S3a S3c S5a S5b S5c S6 S7 S8	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3g EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1o E2a E5	WF1c WF2c	FS3a FS3b FS3i FS5a FS5b FS5c	P1	
	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3g EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1c OF2b	BF1c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1o E2a E5	WF1c WF2c	FS3a FS3b FS3i FS5a FS5b FS5c	P1	
	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3g EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1o E2a E5	WF1c WF2c	FS3a FS3b FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3a S3c S5a S5b S5c S6 S7 S8	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3g EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1c OF2b	BF1c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1c E2a E5	WF1c WF2c	FS3a FS3b FS3i FS5a FS5b FS5c	P1
21	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD6a FD7 FD9	W3 W4 W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD6a FD7 FD9	W3 W4 W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC5 FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
22	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD6a FD7 FD9	W3 W4 W5a W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD6a FD7 FD9	W3 W4 W5a W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W5a W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
	S2a S2e S5a S5b S5c S5d S6 S7 S8	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W5a W6	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC6	E1a E1b E1n E2a E5	WF1c WF2c	FS2a FS2b FS5a FS5b FS5c	P1
23	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
24	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD5a FD7 FD9	W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
25	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD5a FD7 FD9	W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD5a FD7 FD9	W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S4b S5a S5b S5c S6	EP1a EP1b EP1c EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
26	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD5a FD7 FD9	W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1d E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD5a FD7 FD9	W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1d E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1d E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1
	S1a S1f S5a S5b S5c S6	EP1a EP1b EP1c EP1h EP1k EP1s EP1w EP1x EP3e EP4 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD6a FD7 FD9	W1a W3 W4 W5a W6	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1c OF2b	BF1c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC6	E1a E1b E1d E1l E2a E2b E2e E2h E5	WF1c WF2c	FS1a FS1b FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
27	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
28	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
30	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
31	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
32 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS3c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS3a FS3c FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
33	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
34	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
35 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
36	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
37	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
38 S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
39	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
41 S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
42 S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2b S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS2a FS2c FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
43 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
44 S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
45 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
45 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
46	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
47	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4d AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1n FS1m FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4d AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1n FS1m FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4d AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1n FS1m FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS4d AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4d AS7 AS10	SU1a SU1b SU1g SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4d AS7 AS10	SU1a SU1b SU1g SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
48 S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
49 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF1f WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF1f WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5e FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1g SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h	FS1a FS1c FS1f FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
50 S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2g WF2h WF2i	FS1a FS1c FS1g FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
51 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS7 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1
52	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS5 AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS5 AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1
53	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1
54	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD2a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
55 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
56 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS6b AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS6b AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6b M14a M14c M14d	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS3a FS3d FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS6b AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU1c SU1d SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU1c SU1d SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
58 S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS6a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2c S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1c SU1d SU2	FD1a FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
59 S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS6a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU1c SU1d SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1c S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1e EP6d c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
60	S1c S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1d SU2 SU3	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1d SU2 SU3	FD1a FD1c FD2a FD5b FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1d SU2 SU3	FD1a FD1c FD2a FD5b FD7 FD9 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1d SU2 SU3	FD1a FD1c FD2a FD5b FD7 FD9 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E1t E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1m FS1n FS1s FS5a FS5b FS5c	P1
61	S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1
	S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
62 S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
63 S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4e AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
64 S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
65 S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4e AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4e AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS6b AS7 AS10	SU1a SU1b SU1c SU1e SU2	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
66 S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
S2c S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1m E2a E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS2a FS2d FS2f FS2j FS2k FS2p FS5a FS5b FS5c	P1	
67 S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4e AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
68 S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
69 S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
70	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
71	S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4e AS6a AS6b AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4e AS6b AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS3a AS4a AS4e AS6b AS7 AS10	SU1a SU1b SU1c SU1e SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1c S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4e AS6b AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1b FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1k E2a E2b E5	WF1a WF1c WF1d WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
72	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1k E2a E2b E5	WF1a WF1c WF1d WF1f WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1k E2a E2b E5	WF1a WF1c WF1d WF1f WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1k E2a E2b E5	WF1a WF1c WF1d WF1f WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1c S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1i EP1w EP1x EP2 EP3a EP3b EP3c EP3h EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6a AS7 AS10	SU1a SU1b SU1c SU2 SU3	FD1a FD1c FD2a FD5b FD5c FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6b M11 M14a M14d M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1k E2a E2b E5	WF1a WF1c WF1d WF1f WF2a WF2b WF2d WF2e WF2g WF2h WF2i	FS1a FS1d FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
97	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS2a AS7	SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS2a AS2c AS7	SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1
98	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS2a AS2b AS7	SU2	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1j E1t E2a E5	WF1a WF1c WF1d WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS2a AS2b AS2c AS7	SU2	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2i	FS3a FS3e FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1
130	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS2a AS7	SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1j E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS2a AS7	SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1j E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
131	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS2a AS2b AS7	SU2	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1j E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS2a AS2b AS7	SU2	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1f M1g M1o M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1j E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
138	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS2a AS7	SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1j E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1j FS1i FS1s FS5a FS5b FS5c	P1
	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS2a AS7	SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1j E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1j FS1i FS1s FS5a FS5b FS5c	P1
139	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS2a AS7	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1i E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1j FS1s FS5a FS5b FS5c	P1
	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS2a AS7	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1i E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1j FS1s FS5a FS5b FS5c	P1
144	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
145	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
146	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S5a S5c S5e S6 S7 S8	EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
147	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	
148 S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS7 AS8 AS10	SU1a SU1m SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1	
S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS7 AS8 AS10	SU1a SU1m SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	
149 S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1	
S5a S5c S5e S6 S7 S8 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS2f FS3h FS3i FS5a FS5b FS5c	P1
150	S5a S5c S5d S5e S6 S7 S8 S10 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS3a FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S7 S8 S10 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS3a FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1
	S2d S3b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2i FS2k FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
	S2d S3b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2i FS2k FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
151	S5a S5c S5d S5e S6 S7 S8 S10 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS3a FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S7 S8 S10 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E1j E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS3a FS3f FS3h FS3i FS3o FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2d S3b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
	S2d S3b S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
152	S1f S4a S5a S5c S5e S6 S7 S8 S9 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2 SU1m SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1i E1j E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S1f S4a S5a S5c S5e S6 S7 S8 S9 S11	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1i E1j E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1
	S1d S1f S3b S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1j FS1n FS1s FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
	S1d S1f S3b S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1j FS1n FS1s FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1
153	S1f S5a S5c S5e S6 S7 S8 S9 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E1j E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS2a FS2b FS2h FS3l FS3o FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1f S5a S5c S5e S6 S7 S8 S9 S11	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1j E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS3a FS3f FS3h FS3l FS3o FS5a FS5b FS5c	P1	
S1d S1f S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	
S1d S1f S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M1p M2a M3a M5a M4b M4c M5 M14a M14c M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS3a FS3e FS3f FS3h FS3l FS5a FS5b FS5c	P1	
154 S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
155 S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
156 S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
157	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1i E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1i E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1
158	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS7 AS8 AS10	SU1a SU1m SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1
	S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS7 AS8 AS10	SU1a SU1m SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1i E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
159 S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S5a S5c S5d S5e S6 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS7 AS8 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
160 S1f S4a S5a S5c S5d S5e S6 S9 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S1f S4a S5a S5c S5d S5e S6 S9 S10	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S1d S1f S2d S4a S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S2d S4a S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
161 S1f S5a S5c S5d S5e S6 S9 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S1f S5a S5c S5d S5e S6 S9 S10	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS2a FS2f FS2h FS2i FS2k FS5a FS5b FS5c	P1	
S1d S1f S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1j FS1k FS1l FS1n FS1s FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
S1d S1f S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1j M1k M1o M1p M2a M3a M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1j FS1k FS1l FS1n FS1s FS2a FS2e FS2f FS2i FS2k FS5a FS5b FS5c	P1	
162 S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
163	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
164	S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
165 S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
166	S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1f S4a S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS7 AS8 AS10	SU1a SU1m SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1f FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS3a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
167	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1i E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1f S5a S5c S5e S6 S9	EP1a EP1b EP1c E EP6d P1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1i E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1j FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS7 AS8 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1l FS1n FS1s FS5a FS5b FS5c	P1
168	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W4 W6 W8	BM1	M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3f FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
169 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
170	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
171 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
172 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
173	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
174	S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
175 S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
176 S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP EP6d1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a	AS1 AS2a AS4a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP EP6d1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
177 S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP EP6d1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1i SU1b SU2 SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1i SU1b SU2 SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
178 S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
179	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
180	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
181	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
182	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2a AS3a AS4a AS4b AS7 AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2a AS3a AS4a AS4b AS7 AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
183	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2a AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP6dd EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b	AS1 AS2a AS2c AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2e FS2f FS2j FS2k FS5a FS5b FS5c	P1
184	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
185 S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
186	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1bSU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1bSU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
187	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS5 AS7 AS10	SU1a SU1bSU1i SU1k SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
188	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
189	S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
190 S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
191 S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
192 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1h EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS7 AS10	SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1h EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
193	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3b AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1f SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD5d FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1f SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD5d FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD5d FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP11 EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3b AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a BF1a OF2a BF2a OF2b BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1		
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a BF1a OF2a BF2a OF2b BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1		
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS7 AS10	SU1b SU1f SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a BF1a OF2a BF2a OF2b BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1		
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1f SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a BF1a OF2a BF2a OF2b BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1		
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1f SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD5d FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a BF1a OF2a BF2a OF2b BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1		
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1f SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD5d FD6a FD7 FD9	W1a W2 W3 W4 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a BF1a OF2a BF2a OF2b BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1d E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1		
195 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS6d AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a BF1a OF2a BF2a OF2b BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c	P1		
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS7 AS6d AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a BF1a OF2a BF2a OF2b BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c	P1		
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a BF1a OF2a BF2a OF2b BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c	P1		
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a BF1a OF2a BF2a OF2b BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c	P1		

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
196	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS3a FS3c FS3g FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS3a FS3c FS3g FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS3a FS3c FS3g FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS3a FS3c FS3g FS5a FS5b FS5c	P1
197	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS4a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
198	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3a AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
199 S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3b AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
200 S1b S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS4a AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS4a AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1k M1p M3c M5a M4b M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
201 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
202 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
203	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
204	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3a AS3b AS4a AS6b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7c	P1
205	S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1j EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3b AS4a AS5 AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3b AS4a AS5 AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS4a AS5 AS6d AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS4a AS5 AS6d AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM1 SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
206 S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
207 S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF4b	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
208 S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS3b AS4a AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4b	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1	
209 S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3a AS3b AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	
S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS3a AS4a AS5 AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS3a AS4a AS5 AS6b AS6d AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c BF3 BF4a	C1a C1d C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2f WF2g WF2i	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7b	P1
210	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3a AS3b AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1
	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3a AS3b AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1
	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1
	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6b EP6c EP6d	AS1 AS2a AS2b AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3 BF4a	C1a C1b C1d C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7b	P1
211	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP1g EP1h EP1i EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1l M1p M5a M4b M4c M5 M6a M7 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c FS7a	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP1g EP1h EP1i EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1l M1p M5a M4b M4c M5 M6a M7 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c FS7a	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP1g EP1h EP1i EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1l M1p M5a M4b M4c M5 M6a M7 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c FS7a	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS2c AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1d M1e M1l M1p M5a M4b M4c M5 M6a M7 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS3a FS3c FS3g FS5a FS5b FS5c FS7a	P1
212	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2c AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS2c AS4a AS6c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C2	SM2a SM3b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
213	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS4a AS6c AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS2c AS4a AS6c AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS2b AS2c AS4a AS6c AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS2b AS2c AS4a AS6c AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1l M1p M3c M5a M4b M4c M5 M6a M7 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS2a FS2c FS2g FS5a FS5b FS5c FS7a FS7c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
214	S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS6c AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7a FS7b	P1
	S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS4a AS5 AS6c AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7a FS7b	P1
	S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS4a AS5 AS6c AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7a FS7b	P1
	S1b S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS4a AS5 AS6c AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2c	C1a C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g	FS1a FS1c FS1f FS1s FS5a FS5b FS5c FS7a FS7b	P1
215	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS4a AS5 AS6c AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7a FS7b	P1
	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS1 AS2a AS2b AS4a AS5 AS6c AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7a FS7b	P1
	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS2b AS4a AS5 AS6c AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7a FS7b	P1
	S1b S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1f EP11 EP1u EP1x EP2 EP3a EP3b EP3d EP4 EP5 EP6a EP6c EP6d	AS2a AS2b AS4a AS5 AS6c AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD2b FD3 FD4 FD6a FD7 FD8 FD9	W1a W2 W3 W5a W5b W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1i M1o M2a M3a M5a M4b M4c M5 M6a M7 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF2c BF3	C1a C1b C1d C2	SM2a SM2b SM3b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2f WF2g WF2i	FS1a FS1c FS1s FS5a FS5b FS5c FS7a FS7b	P1
218	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD2b FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU1h SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
219	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
220	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c	P1	
221 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
222 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E1t E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E1t E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E1t E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E1t E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1	
223 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
224 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	
225 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1
226	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1
227	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1
228	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
229	S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E1t E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E1t E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
230	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1g E1t E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1g E1t E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
231	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
232	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
233	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
234	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
235	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M10 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
236	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E1g E2a E2b E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c	P1
237	S3b S3d S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M9 M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3l FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M9 M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3l FS3m FS5a FS5b FS5c	P1
258	S3b S3d S5a S5c S5e S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS2a AS3b AS7	SU2	FD1a FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g	FS3a FS3c FS3g FS3h FS3l FS3m FS3n FS5a FS5b FS5c	P1
262	S2b S2f S5a S5c S5d S5e S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS2a AS3b AS7	SU2	FD1a FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2f WF2g	FS2a FS2c FS2g FS2i FS2k FS2n FS2o FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
263	S2b S2f S5a S5c S5d S5e S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS2a AS2b AS3b AS7	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i	FS2a FS2c FS2g FS2i FS2k FS2n FS2o FS5a FS5b FS5c	P1
270	S1b S1e S1f S4a S5a S5c S5e	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS2a AS3b AS7	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1g E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g	FS1a FS1c FS1f FS1g FS1h FS1k FS1i FS1q FS1r FS1s FS5a FS5b FS5c	P1
275	S1b S1e S1f S5a S5c S5e	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1o EP1p EP1t EP1v EP1w EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS2a AS2b AS3b AS7	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1h M1i M1o M2a M2b M3a M5a M4b M4c M5 M6a M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E1g E2a E2b E2c E2g E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i	FS1a FS1c FS1g FS1h FS1i FS1q FS1r FS1s FS5a FS5c	P1
333	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c FD7 AS3b AS7 AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c FD7 AS3b AS7 AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
334 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
335 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
336 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1f M1g M1o M2a M3a M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
337 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
338 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
339	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
340	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
341 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
342 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
343	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1
344	S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
345 S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
346 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
347 S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
348 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
349	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
350	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM2a SM4b	FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
351 S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1m EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
352 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
353 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
354 S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS5a FS5b FS5c	P1	
355 S2b S2f S5a S5c S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1h SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU2	FD1a FD1c FD2a FD5f FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
356 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a	AS1 AS2a AS2b AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
359 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
360 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
361 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
362 S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS6e AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS10	SU1a SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS5a FS5b FS5c	P1	
363 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
364	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS6e AS7 AS10	SU1a SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
365	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS4d AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS4d AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS7 AS10	SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS7 AS10	SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
366	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS5 AS6e AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS5 AS6e AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS5 AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS3b AS5 AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
367	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS6e AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS4d AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
368 S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS5 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS5 AS6e AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS5 AS3b AS5 AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS5 AS7 AS10	SU1a SU1b SU2 SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
369 S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3a AS7 AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2b AS3a AS5 AS6e AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a	AS1 AS2a AS2b AS3a AS5 AS6e AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1n EP1q EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a	AS1 AS2a AS2b AS3a AS5 AS7 AS10	SU1a SU1b SU1g SU2 SU3	FD1a FD1c FD2a FD5e FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C1e C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1d E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c FS6a FS6b	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c FS6a FS6b	P1
430	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c FS6a FS6b	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c FS6a FS6b	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c FS6a FS6b	P1
	S3b S3d S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS3a FS3c FS3f FS3g FS3h FS3i FS3m FS5a FS5b FS5c FS6a FS6b	P1
431	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9b AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9b AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1	
432 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9b AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
433	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9b AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9b AS10	SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1b SU1 SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1b SU1 SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
434	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP6b EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9a AS10	SU1a SU1b SU1 SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
435	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
436	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1f C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4b	C1a C1f C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
437	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1
438	S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1	
S2b S2f S5a S5c S5d S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1f E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS2a FS2c FS2f FS2g FS2j FS2k FS2n FS5a FS5b FS5c FS6a FS6b	P1	
439 S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9b AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9b AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9a AS10	SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
S1b S1e S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3a AS3b AS7 AS9a AS10	SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E1t E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
440	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
441	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9b AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS2b AS7 AS9a AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a	C1a C1f C2	SM1 SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E2c E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
442	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2b AS7 AS9a AS10	SU1a SU1b SU1 SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2b AS7 AS9a AS10	SU1a SU1b SU1 SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
443	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS2b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF4b	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
444	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS2c AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4b	C1a C1b C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1
445	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17	
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2c AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
	S1b S1e S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8a M8b M8c M9 M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1f FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
446	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9b AS10	SU1a SU1b SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
	S1b S1e S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d EP7a EP7b	AS1 AS2a AS2b AS3a AS3b AS7 AS9a AS10	SU1a SU1b SU1l SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M6a M8c M11 M14a M14b M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C1f C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1c E2a E2b E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF2i WF4	FS1a FS1c FS1g FS1h FS1k FS1m FS1n FS1q FS1s FS5a FS5b FS5c FS6a FS6b	P1	
448		EP1a EP1v EP2 EP4						M1m M1p M2c M2d M14a M14e						E1r E2i E3b	FS8			
449		EP1a EP1v EP4						M1p						E1d				

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
451	S3b S3d S5a S5c S5e S6 S9b	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M9 M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3l FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S9b	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M9 M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3l FS3m FS5a FS5b FS5c	P1
452	S3b S3d S5a S5c S5e S6 S9b	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M9 M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3l FS3m FS5a FS5b FS5c	P1
	S3b S3d S5a S5c S5e S6 S9b	EP1a EP1b EP1c EP1d EP1e EP1f EP1g EP1p EP1t EP1v EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d EP7a	AS1 AS2a AS2c AS3b AS7 AS10	SU2	FD1a FD1c FD2a FD7 FD9	W2 W3 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M6a M9 M10 M14a M14b M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a C2	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2d WF2e WF2g WF4	FS3a FS3c FS3f FS3g FS3h FS3l FS3m FS5a FS5b FS5c	P1
453	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3j FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1t E2a E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS5a FS5b FS5c	P1
456	S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1t E2a E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS4a FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS4a FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS4b FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1l E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS4b FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W1a W2 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1 E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS4b FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1dEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W4 W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M3d M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1l E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1o FS1s FS4b FS5a FS5b FS5c	P1	
457 S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W2 W3 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS4a FS4b FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS4a FS4b FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6bv	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS4a FS4b FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1hEP1KEP1w EP1x EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD7 FD9	W1a W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1d M1e M1f M1g M1o M2a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E1p E2a E2b E2e E2h E4 E5	WF1a WF1b WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1o FS1s FS4a FS4b FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
458	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5e S6 S7 S8 S9b	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M3b M5a M4b M4c M5 M6a M12 M14a M14c	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
459	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1l EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1l EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1
	S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1
	S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1
	S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1l EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1r EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1	
S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1d E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1	
S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1o E1t E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1	
460 S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1r EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1	
S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1r EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1	
S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1	
S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1	
S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1r EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1	

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System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1o E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS3a FS3b FS3g FS3i FS3k FS5a FS5b FS5c	P1	
S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1	
S2a S2e S2f S3a S3b S3c S3d S5a S5b S5c S5d S5e S6 S7 S8 S9a S9b	EP1a EP1b EP1c EP1d EP1h EP1j EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP3g EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3b M3c M5a M4b M4c M5 M6a M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1n E1t E2a E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS2a FS2b FS2f FS2j FS2m FS5a FS5b FS5c	P1	
461 S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S4b S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a	C1a C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC5 FC6	E1a E1b E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g	FS1a FS1b FS1i FS1m FS1p FS1s FS5a FS5b FS5c	P1	
462 S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM2b SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD5a FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM2b SM3a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM3a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM2b SM3a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM3a SM3a SM4a SM4b	FC1 FC2a FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM3a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
S1a S1f S5a S5b S5c S5e S6	EP1a EP1b EP1c EP1d EP1h EP1k EP1w EP1x EP2 EP3a EP3d EP3e EP3f EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1j SU2 SU3	FD1a FD1c FD2a FD6a FD6b FD7 FD9	W1a W1b W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M3a M3b M5a M4b M4c M5 M6a M11 M12 M14a M14f	OF1b OF2a OF2b	BF1b BF2a BF2b BF3	C1a C1b C1c C2	SM2a SM3a SM3a SM4a SM4b	FC1 FC2b FC3a FC3b FC4 FC6	E1a E1b E1d E1l E2a E2b E2e E2h E4 E5	WF1a WF1c WF2a WF2c WF2g WF2i	FS1a FS1b FS1m FS1p FS1s FS5a FS5b FS5c	P1	
501 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1j SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1j SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	
502 S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1a SU1b SU1j SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
503	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
504	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c E EP6dP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
505	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1d E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
506	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
	S3b S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1d M1e M1p M5a M4b M4c M5 M14a M14c	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS3a FS3e FS3f FS3h FS3i FS5a FS5b FS5c	P1
507	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
508	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2d S2f S5a S5c S5d S5e S6 S7 S8 S9a	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
509	S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS7 AS10	SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E1t E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
510	S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS4a AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S5a S5c S5e S6 S7 S8	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS2c AS4a AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E1t E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
511	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS4c AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
512 S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
513 S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF4c	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E3a E5	WF1a WF1c WF2a WF2b WF2g	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
514 S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	
515 S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS3a AS4a AS4b AS6b AS7 AS10	SU1a SU1b SU2 SU1k SU2	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
516	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1k M1p M3c M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1h E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS2j FS2k FS5a FS5b FS5c	P1
	S2d S5a S5c S5d S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2b AS3a AS4a AS4b AS5 AS6b AS7 AS10	SU1a SU1b SU2 SU2	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W6 W7 W8	BM1	M1a M1c M1d M1e M1j M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC2b FC3a FC4 FC6	E1a E1b E1e E2a E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS2a FS2f FS5a FS5b FS5c	P1
517	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS4c AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1
	S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
518 S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1m FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1m FS1s FS5a FS5b FS5c	P1	
519 S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS2c AS4a AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a	C1a	SM2a SM2b SM4b	FC1 FC2a FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E2f E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
520 S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1b FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3	C1a C1b	SM2a SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
521 S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS5 AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a	C1a	SM2a SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2b AS4a AS4b AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD5h FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

Fire Code Requirement Chart

System element	1	2	3	4	5	6	7	8	9	10	11	12	13	13	15	16	17
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS4c AS5 AS7 AS10	SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS2c AS4a AS4b AS4c AS5 AS7 AS10	SU1a SU1i SU1b SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4c BF2a	C1a	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E3a E5	WF1a WF1c WF2a WF2b WF2g	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
522 S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS4a AS5 AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD9	W2 W3 W4 W5a W6 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF4b BF2a BF2b BF3	C1b	SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
523 S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6d	AS1 AS2a AS3a AS2c AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S4a S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU1k SU2 SU3	FD1a FD1b FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF3 BF4a	C1a	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC5 FC6	E1a E1b E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1f FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
524 S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS3a AS2c AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	
S1d S1f S5a S5c S5e S6	EP1a EP1b EP1c EP1d EP1e EP1h EP1w EP1x EP2 EP3a EP3b EP3c EP4 EP5 EP6a EP6b EP6d	AS1 AS2a AS2c AS3a AS4a AS5 AS6b AS7 AS10	SU1a SU1b SU1i SU2 SU3	FD1a FD1c FD2a FD5g FD7 FD8 FD9	W2 W3 W4 W5a W6 W7 W8	BM1	M1a M1b M1c M1d M1e M1f M1g M1o M2a M3a M5a M4b M4c M5 M11 M14a M14f	OF1a OF2a OF2b	BF1a BF2a BF2b BF3 BF4a	C1a C1b	SM1 SM2a SM2b SM4b	FC1 FC2b FC3a FC4 FC6	E1a E1b E1d E1e E2a E2b E5	WF1a WF1c WF2a WF2b WF2g WF2i	FS1a FS1e FS1k FS1m FS1n FS1s FS5a FS5b FS5c	P1	

SYSTEM ELEMENT DETAILS

SYSTEM ELEMENT 1 - STRUCTURE

System designator

S1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type A construction.

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified.

System designator	S1a	S1b	S1c	S1d
Application	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>
Loadbearing parts of an external wall (including any column and other building element incorporated therein) or other external building element	90	120	180	240
External column not incorporated in an external wall, where the distance from any fire-source feature to which it is exposed is-				
less than 3 m	90	120	180	240
3 m or more	-	-	-	-
Common walls and fire walls	90	120	180	240
Loadbearing internal walls-				
fire-resisting lift and stair shafts	90	120	180	240
bounding public corridors, public hallways and the like	90	120	180	240
between or bounding	90	120	180	240

sole-occupancy units				
ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion	90	120	180	240
Other loadbearing internal walls; and internal beams, trusses and columns	90	120	180	240
Floors that are not laid directly on the ground	90	120*	180	240
Roofs	90	120*	180	240

*** S1e**

Application

Floors

Acceptable solution

If a floor in a Class 5 or 9b building is designed for a live load not exceeding 3 kPa-

- (a) the floor next above (including floor beams) may have an FRL for structural adequacy of 90; or
- (b) the roof, if that is next above (including roof beams) may have an FRL for structural adequacy of 90.

S1f

Application

A floor separating parts of different classifications, situated one above the other in adjoining storeys.

Acceptable Solution

The floor between the adjoining parts must have an FRL not less than that prescribed in S1a, b, c or d for the classification of the lower storey.

System designator

S2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type B construction.

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified.

System designator	S2a	S2b	S2c	S2d
Application	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>
Loadbearing parts of an external wall (including any column and other building element incorporated therein) or other external building element, where the distance from any fire-source feature to which it is exposed is -				
less than 18 m	90	120	180	240
18 m or more	-	-	-	-
External column not incorporated in an external wall, where the distance from any fire-source feature to which it is exposed is -				
less than 3 m	90	120	180	240
3 m or more	-	-	-	-
Common walls and fire walls	90	120	180	240
Loadbearing internal walls -				
fire-resisting lift and stair shafts	90	120	180	240
bounding public corridors, public hallways and the like	60	120	180	240
between or bounding sole-occupancy units	60	120	180	240
Other loadbearing internal walls and columns	60	120	180	240
Roofs	-	-	-	-

S2e

Application

A floor separating parts of different classifications, situated one above the other in adjoining storeys, where one of the adjoining parts is of Class 2, 3 or 4.

Acceptable Solution

The underside of the floor (including the sides and underside of any floor beams) must have a fire-protective covering.

S2f

Application

A floor separating storeys, or above a space for the accommodation of motor vehicles or used for storage or any other ancillary purpose.

Acceptable solution

The floor must:

- (a) be constructed so that it is at least of the standard achieved by a floor/ceiling system incorporating a ceiling which has a resistance to the incipient spread of fire to the space above itself of not less than 60 minutes; or
- (b) have a fire-protective covering on the underside of the floor, including beams incorporated in it, if the floor is combustible or of metal, or has an FRL less than 30/30/30.

System designator

S3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type C construction.

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified.

System designator	S3a	S3b
Application	<i>FRL for structural adequacy</i>	<i>FRL for structural adequacy</i>
External wall (including any column and other building element incorporated therein) or other external building element, where the distance from any fire-source feature to which it is exposed is -	<i>when tested from the outside:</i>	<i>when tested from the outside:</i>
less than 1.5 m	90	90
1.5 m to less than 3 m	-	60
3 m or more	-	-
External column not incorporated in an external wall, where the distance from any fire-source feature to which it is exposed is -		
less than 1.5 m	90	90
1.5 m to less than 3 m	-	60
3 m or more	-	-
Common walls and fire walls	90	90
Internal walls -		
bounding a stair if required to be rated	60	-
bounding public corridors, public hallways and the like	60	-
between or bounding sole-occupancy units	60	-

S3c

Application

A floor separating parts of different classifications, situated one above the other in adjoining storeys, where one of the adjoining parts is of Class 2, 3 or 4.

Acceptable Solution

The underside of the floor (including the sides and underside of any floor beams) must have a fire-protective covering.

S3d**Application**

A floor separating storeys, or above a space for the accommodation of motor vehicles or used for storage or any other ancillary purpose, and any column supporting the floor:

- (a) in a Class 2 or 3 building, except where within the one sole-occupancy unit, or
- (b) in a Class 9 building

Acceptable solution

the construction must have:

- (a) an FRL of at least 30/ 30/ 30; or
- (b) a fire-protective covering on the underside of the floor including beams incorporated in it and around the column, if the floor or column is combustible or of metal.

System designator

S4

System Element Descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Members such as internal columns and walls below a roof not required to have an FRL may have a lesser fire-resistance level.

Application

A building with an effective height of not more than 25 m and having a roof that does not have the structural adequacy specified in S1b, c or d, in the storey immediately below that roof, internal columns (other than those parts that face and are within 1.5 m of a window and are exposed through that window to a fire-source feature) and loadbearing internal walls other than fire walls.

Acceptable Solution

- (a) Where the rise in storeys exceeds 3 - the construction must have an FRL for structural adequacy of 60
- (b) Where the rise in storeys does not exceed 3 - the construction need not have an FRL

S4b

Application

A building with an effective height of not more than 25 m and having a roof that does not have the structural adequacy specified in S1a, in the storey immediately below that roof, internal columns (other than those parts that face and are within 1.5 m of a window and are exposed through that window to a fire-source feature) and loadbearing internal walls other than fire walls.

Acceptable Solution

The construction must have an FRL for structural adequacy of 60.

S4c

Application

In the storey immediately below the roof, internal columns and walls other than shaft walls.

Acceptable Solution

The column or wall need not have an FRL.

System designator

S5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
The ability of a part of a building to withstand fire must not be impeded by the collapse of a supporting part.

S5a

Application

A lintel that

- (a) contributes to the support of a fire door, fire window or fire shutter; or
- (b) spans an opening in a wall of a building containing more than one storey; or
- (c) spans an opening in masonry which is more than 150 mm thick and-
 - (i) more than 3 m wide if the masonry is non-loadbearing; or
 - (ii) more than 1.8 m wide if the masonry is loadbearing and part of a solid wall or one of the leaves of a cavity wall.

Acceptable Solution

The lintel must have the FRL required for the part of the building in which it is situated.

S5b

Application

A lintel that

- (a) contributes to the support of a fire door, fire window or fire shutter; or
- (b) spans an opening in a loadbearing wall.

Acceptable Solution

The lintel must have the FRL required for the part of the building in which it is situated.

S5c

Application

A part of a building required to have an FRL, other than an external wall required by S3 or S8 to have an FRL, that depends upon direct vertical or lateral support from another part to maintain its FRL.

Acceptable solution

The supporting part must-

- (a) have an FRL in respect of structural adequacy that is the greater of-
 - (i) that required for the part it supports; or
 - (ii) that required for the part itself; and
- (b) be non-combustible if the part it supports is required to be non-combustible.

S5d

Application

A stair shaft that supports any floor or a structural part of a floor.

Acceptable solution

- (a) The floor or part must have an FRL for structural adequacy of 60 or more; or
- (b) The junction of the stair shaft must be constructed so that the floor or part will be free to sag or fall in a fire without causing structural damage to the shaft.

S5e**Application**

Stairways and ramps (including any landings) that are required to be within a fire-resisting shaft.

Acceptable Solution

The stairway or ramp must be constructed so that if there is local failure, it will not cause structural damage to, or impair the fire-resistance of the shaft.

Note: There is no acceptable solution specified in the BCA

System Designator

S6

System Element Descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

The fire resistance required for a compartment containing a small mezzanine must have an increased fire resistance level.

Application

Mezzanine floors:

- (a) where the total floor area of all the mezzanines in the same room does not exceed 1/3 the floor area of the room or 200 m², whichever is less; and
- (b) not within a Class 9b building that is a spectator stand or audience viewing area accommodating more than 100 persons.

Acceptable Solution

The mezzanine and its supports need not have an FRL or be non-combustible provided the FRL of each wall and column that supports any other part of the building within 6 m of the mezzanine is increased by the amount listed below. The increase in level applies to each FRL criterion (structural adequacy, integrity or insulation) relevant to the building element concerned.

Increased FRLs - construction surrounding mezzanines

Level otherwise required for any FRL criterion (mins):	increase level to (not less than):
30	60
60	90
90	120
120	180
180	240

System Designator

S7

System Element Descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Elements of external walls must not become detached and fall outwards in the event of a fire.

Application

Support of external walls in a building with concrete external walls that could collapse as complete panels (eg. tilt-up and precast concrete).

Acceptable Solution

General requirements for external wall panels

- (a) Cast-in inserts and fixings must be anchored into the panel with welded bars or be fixed to the panel reinforcement.
- (b) Cast-in inserts for top connections and fixings acting together must be able to resist an ultimate load of two times the larger of the forces required to develop -
 - (i) the ultimate bending moment capacity of the panel at its base; or
 - (ii) the overturning moment at the base of the panel arising from an outwards lateral displacement at the top of the panel equal to one tenth of the panel height.

- (c) Top connections of the panel exposed to fire, such as clips and drilled-in inserts, acting together must be able to resist an ultimate load of six times the larger of the forces required to develop the moment specified in (b)(i) or (ii).

Note: The increased forces specified by use of the multiplier of two or six in (b) and (c) above are to take account of the lower strength of the connections and members at the higher than ambient temperatures expected in a fire.

- (d) Lateral supporting members and their connections must be designed to resist the connection forces specified in (b) and (c) and in the case of an eaves tie member the force in the member must be determined assuming that it deforms in a manner compatible with the lateral displacement of the wall panels, and that it acts in tension only.
- (e) External wall panels that span vertically must have at least two upper connections per panel to the supporting member, except that where a number of panels are designed to act as one unit, (e.g. tongue and groove hollow-core panels), only two upper connections are required for each unit.
- (f) External wall panels that span horizontally between columns must have at least two connections at each column.

Vertically spanning external wall panels adjacent to columns

- (a) Where vertically spanning external wall panels are located adjacent to columns, connections to the panels must be located and/or detailed to minimise forces that may develop between the panels and columns arising from the restraint of differential displacement.
- (b) The requirements of (a) are satisfied by -
 - (i) detailing the connections and/or the supporting member to sustain a relative outward displacement of (d) between the panels and columns at the

connection height where d (m) is calculated as -

(A) the square of the connection height (m) divided by one hundred and twenty-five, when the connection height is less than 5 m; or

(B) the connection height (m) divided by twenty-five, when the connection height (m) is greater than or equal to 5 m; or

(ii) in situations where an eaves tie member is used to provide lateral support to external wall panels, the tie member is connected to the panels no closer than a distance (s) from the column where s (m) is taken as one quarter of the panel height (m).

System Designator

S8

Note: this is a concession

System element descriptor

*This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
We are unable to establish the intent of these requirements.*

Application

Columns that are not in a fire wall or common wall in a building that contains:

- (a) only 1 storey ; or
- (b) 2 storeys in some of its parts and 1 storey only in its remaining parts if the sum of the floor areas of the upper storeys of its 2 storey parts does not exceed the lesser of-
 - (i) 1/8 of the sum of the floor areas of the 1 storey parts; or
 - (ii) 1/10 of the maximum area allowed for the fire compartment concerned

Acceptable Solution

If the column is steel, it need not have an FRL.

Application

A column used in a single storey building in a fire wall or common wall

Acceptable solution

The column may be timber.

Application

A column used in a single storey building, other than in a fire wall or common wall.

Acceptable solution

The column may be timber and must have an FRL for structural adequacy of not less than 30.

System Designator

S9

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type A construction for car parks.

Application

Open-deck car parks and sprinklered car parks

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified.

Element	<i>FRL for structural adequacy</i>
Any column or beam less than 4.5 m from a fire-source feature to which it is exposed.	60
Any column that is more than 4.5 m from a fire-source feature to which it is exposed, other than (a) a column supporting only the roof; or (b) a steel column with a ratio of exposed surface area to mass per unit length not greater than 26 m ² /tonne.	60
Any steel column that is more than 4.5 m from a fire-source feature to which it is exposed and that has a ratio of exposed surface area to mass per unit length not greater than 26 m ² /tonne.	-
Any floor beam other than a steel floor beam which is in continuous contact with a concrete floor slab and has a ratio of exposed surface area to mass per unit length of not more than 30 m ² /tonne.	60
Any steel floor beam that is more than 4.5 m from a fire-source feature to which it is exposed and that is in continuous contact with a concrete floor slab and has a ratio of exposed surface area to mass per unit length of not more than 30 m ² /tonne.	-
Any wall less than 3 m from a fire-source feature to which it is exposed.	60
Any floor slab or vehicle ramp	60
Any fire wall or lift or stair shaft.	120
The roof and columns supporting only the roof.	-

System Designator

S10

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type B construction for car parks.

Application

Open-deck car parks and sprinklered car parks

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified.

Element	<i>FRL for structural adequacy</i>
Any column or beam less than 4.5 m from a fire-source feature to which it is exposed.	60
Any column that is more than 4.5 m from a fire-source feature to which it is exposed, other than a steel column with a ratio of exposed surface area to mass per unit length not greater than 26 m ² /tonne.	60
Any steel column that is more than 4.5 m from a fire-source feature to which it is exposed and that has a ratio of exposed surface area to mass per unit length not greater than 26 m ² /tonne.	-
Any floor beam other than a steel floor beam which is in continuous contact with a concrete floor slab and has a ratio of exposed surface area to mass per unit length of not more than 30 m ² /tonne.	60
Any steel floor beam that is more than 4.5 m from a fire-source feature to which it is exposed and that is in continuous contact with a concrete floor slab and has a ratio of exposed surface area to mass per unit length of not more than 30 m ² /tonne.	-
Any wall less than 3 m from a fire-source feature to which it is exposed	60
Any fire wall or lift or stair shaft	120

System Designator

S11

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type C construction for car parks.

Application

Open-deck car parks and sprinklered car parks

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified.

Element	<i>FRL for structural adequacy</i>
Any column, beam or wall less than 1.5 m from a fire-source feature to which it is exposed	60
Any column other than a steel column with a ratio of exposed surface area to mass per unit length not greater than 26 m ² /tonne	60
Any steel column that is more than 1.5 m from a fire-source feature to which it is exposed and that has a ratio of exposed surface area to mass per unit length not greater than 26 m ² /tonne	-
Any floor beam other than a steel floor beam which is in continuous contact with a concrete floor slab and has a ratio of exposed surface area to mass per unit length of not more than 30 m ² /tonne	60
Any steel floor beam that is more than 1.5 m from a fire-source feature to which it is exposed and that is in continuous contact with a concrete floor slab and has a ratio of exposed surface area to mass per unit length of not more than 30 m ² /tonne.	-

SYSTEM ELEMENT 2 - ESCAPE PATHS

System Designator

EP1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

If there is a fire in a building, exits must:

- (a) be available to allow occupants to reach a place of safety; and
- (b) have sufficient capacity to allow the evacuation of occupants; and
- (c) offer safe passage.

EP1a

Application

Stairways

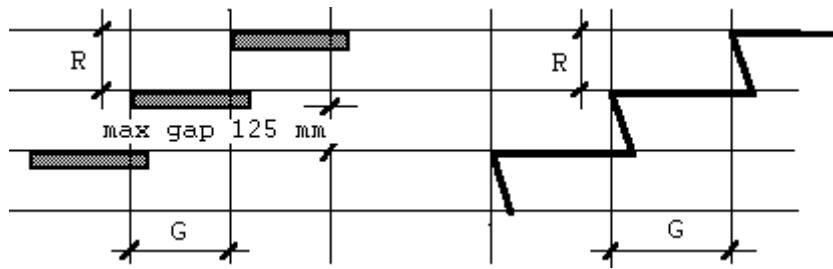
Acceptable solution

Safety - *Treads and risers*

- (a) A stairway must have:
 - (i) not more than 18 or less than 2 risers in each flight; and
 - (ii) going (G), riser (R) and quantity (2R + G) in accordance with the Table below; and
 - (iii) goings and risers that are constant throughout in one flight; and
 - (iv) risers which do not have any openings that would allow a 125 mm sphere to pass through between the treads; and
 - (v) treads which have a non-slip finish or a suitable non-skid strip near the edge of the nosings; and
 - (vi) treads of solid construction (not mesh or other perforated material) if the stairway is more than 10 m high or connects more than 3 *storeys*; and
 - (vii) in a Class 9b building - not more than 36 risers in consecutive flights without a change in direction of at least 30°; and
 - (viii) in the case of a *required* stairway, no stepped quarter landings; and
 - (ix) in the case of a *non-required* stairway, not more than 4 winders in a quarter landing.

RISER AND GOING DIMENSIONS (mm)

	RISER (R)		GOING (G)(b)		QUANTITY (2R+G)	
	Max	Min	Max	Min	Max	Min
Public stairs	190	115	355	250	700	550
Private stairs(a)	190	115	355	240	700	550



Note:

- (a) Private stairs are-
 - (i) stairs in a Class 1 or 10 building; and
 - (ii) stairs in a *sole-occupancy unit* in a Class 2 building or Class 4 part
 - (iii) in any building, stairs which are not part of a *required exit* and to which the public do not normally have access.
- (b) The going in tapered treads (except winders in a quarter landing) in a curved or spiral stair is measured-
 - (i) 270 mm in from the outer side of the unobstructed width of the stairway if the stairway is less than 1 m wide (applicable to a non-required stairway only); and
 - (ii) 270 mm from each side of the unobstructed width of the stairway if the stairway is 1 m wide or more.

Application

Along the side of any roof to which public access is provided, along the side of any stairway or ramp, any floor, corridor, hallway, balcony, verandah, *mezzanine*, access bridge or the like and along the side of any path of access to a building, if-

- (a) it is not bounded by a wall; and
- (b) its level is more than 1 m above the floor or ground surface beneath, except at the perimeter of a *stage*, rigging loft, loading dock or area accessible only to maintenance staff or the like.

Acceptable solution

A continuous balustrade that restricts persons accidentally falling from the floor must be provided in accordance with specification EP1a.

EP1b

Application

Buildings containing atriums.

Acceptable solution

(a) *Availability*

All areas within an *atrium* must have access to at least 2 *exits*.

(b) *Safety*

If a bounding wall separating an *atrium* from the remainder of the building is set back from the perimeter of the *atrium well*, a balustrade that is imperforate and *non-combustible*, and not less than 1 m high must be provided.

EP1c

Exits

Acceptable solution

Availability - *Number of exits*

- (a) Every building must have at least one *exit* from each *storey*.
- (b) Basements - In addition to any *horizontal exit*, at least 2 *exits* must be provided from any *storey* if egress from that *storey* involves a vertical rise within the building of more than 1.5 m, if:
 - (i) the area of the *storey* is 50 m² or more; and
 - (ii) the distance of travel from any point on the floor to a single *exit* is 20 m or more.
- (c) Horizontal exits must not be counted as required exits between sole-occupancy units.

Availability - *Access to exits*

Without passing through another *sole-occupancy unit* every occupant of a *storey* or part of a *storey* must have access to-

- (i) an *exit*; or
- (ii) at least 2 *exits*, if 2 or more *exits* are *required*.

Safety - *Height of exits*

In a *required exit* or path of travel to an *exit*, the unobstructed height throughout must be not less than 2 m; except the unobstructed height of any doorway may be reduced to not less than 1980 mm.

Capacity - *Width of exits*

- (a) In a *required exit* or path of travel to an *exit*, the unobstructed width except for doorways must be not less than 1 m.
- (b) If the *storey* or *mezzanine* accommodates more than 100 persons but not more than 200 persons, the aggregate width of exits, except for doorways, must be not less than 1 m plus 250 mm for each 25 persons (or part) in excess of 100.
- (c) If the *storey* or *mezzanine* accommodates more than 200 persons, the aggregate width of exits, except for doorways, must be increased to-
 - (i) 2 m plus 500 mm for every 60 persons (or part) in excess of 200 persons if egress involves a change in floor level by a stairway or ramp with a gradient steeper than 1 in 12; or
 - (ii) in any other case, 2 m plus 500 mm for every 75 persons (or part) in excess of 200.
- (d) The *required* width of a stairway must-
 - (i) be measured clear of all obstructions such as handrails, projecting parts of balustrades, and the like; and
 - (ii) extend without interruption, except for ceiling cornices, to a height not less than 2 m vertically above a line along the nosings of the treads or the floor of the landing.
- (e) A *required* stairway that exceeds 2 m in width is counted as having a width of only 2 m unless it is divided by a balustrade or handrail continuous between landings and each division is less than 2 m wide.
- (f) Except where it opens to a *sanitary compartment* or bathroom, the width of a doorway must be not less than the width of the *exit* minus 250 mm.
- (g) The width of a *required exit* must not diminish in the direction of travel to a road or *open space*.

Availability - *Distance between alternative exits*

Exits that are *required* as alternative means of egress must be-

- (a) distributed as uniformly as practicable within or around the *storey* served and in positions where unobstructed access to at least 2 exits is readily available from all points on the floor including lift lobby areas; and
- (b) not less than 9 m apart; and
- (c) located so that alternative paths of travel do not converge such that they become less than 6 m apart.

Discharge from exits

- (a) **Availability** - An *exit* must not be blocked at the point of discharge and where necessary, suitable barriers must be provided to prevent vehicles from blocking the *exit* and access to it.
- (b) **Capacity** - If a *required exit* leads to an *open space*, the path of travel to the road must have an unobstructed width throughout of not less than the minimum width of the *required exit*.
- (c) **Safety** - If an *exit* discharges to *open space* that is at a different level from the public road to which it is connected, the path of travel to the road must be by-
 - (i) a ramp or other incline having a gradient not steeper than 1:8 at any part; or
 - (ii) except if the *exit* is from a Class 9a building, a stairway complying with EP1a.
- (d) **Availability** - The discharge point of alternative *exits* must be located as far apart as practical.

Application

Fire-isolated exits

Note: requirements for exits to be fire isolated are covered under compartmentation.

Acceptable solution

Availability - *Doorways*

The only doorways that open directly into a stairway, passageway or ramp that is *required* to be fire-isolated must be from-

- (a) a public lobby, corridor, hallway, or the like; or
- (b) a *sole-occupancy unit* occupying all of the *storey*; or
- (c) a *sanitary compartment*, airlock or the like.

Availability - *Discharge of exits*

Each *fire-isolated stairway* or *fire-isolated ramp* must provide independent egress from each *storey* served and discharge directly, or by way of its own *fire-isolated passageway*-

- (a) to a road or *open space*; or
- (b) to a point-
 - (i) in a *storey* or space, within the confines of the building, that is used only for pedestrian movement, car parking or the like and is enclosed for no more than 1/3 of its perimeter; and
 - (ii) from which an unimpeded path of travel, not further than 20 m, is available to a road or *open space*; or
- (c) into a covered area that-
 - (i) adjoins a road or *open space*; and
 - (ii) is open for at least 1/3 of its perimeter; and

- (iii) has an unobstructed clear height throughout, including the perimeter openings, of not less than 3 m; and
- (iv) provides an unimpeded path of travel from the point of discharge to the road or *open space* of not more than 6 m.

Availability - Horizontal exits

- (a) *Horizontal exits* must not comprise more than half of the *required exits* from any part of a *storey* divided by a *fire wall*.

EP1d

Application

Exits and paths of travel to exits

Acceptable solution

Availability - Installations in exits and paths of travel

- (a) Access to service *shafts* and services other than fire-fighting or detection equipment must not be provided from a *fire-isolated stairway*, *passageway* or *ramp*.
- (b) An opening to any chute or duct conveying hot products of combustion must not be located in any part of a *required exit* or any corridor, hallway, lobby or the like leading to a *required exit*.
- (c) Gas or other fuel services must not be installed in a *required exit*.
- (d) Services or equipment must not be installed in a *required exit* or in any corridor, hallway, lobby or the like leading to a *required exit* if it comprises-
 - (i) electricity meters, distribution boards or ducts; or
 - (ii) central telecommunications distribution boards or equipment; or
 - (iii) electrical motors or other motors serving equipment in the building, unless it is enclosed by *non-combustible* construction or a *fire-protective covering* with doorways or openings suitably sealed against smoke spreading from the enclosure.

Application

Pedestrian ramps

Acceptable solution

Safety - Pedestrian ramps

- (a) A ramp serving as a *required exit* must have a gradient not steeper than 1:8.
- (b) The floor surface of a ramp must have a non-slip finish.

Application

Swinging doors in required exits or forming part of required exits.

Acceptable solution

Capacity - Swinging doors

The door:

- (a) must not encroach-
 - (i) at any part of its swing by more than 500 mm on the *required* width of a *required* stairway, passageway or ramp, including the landings; and
 - (ii) when fully open, by more than 100 mm on the *required* width of the *required exit*, and
 the measurement of encroachment in each case is to include door handles or other furniture or attachments to the door;
- (b) must swing in the direction of egress unless-

- (i) it serves a building or part with a *floor area* not more than 200 m², it is the only *required exit* from the building or part and it is fitted with a device for holding it in the open position; or
- (ii) it serves a *sanitary compartment* or airlock (in which case it may swing in either direction); and
- (c) must not otherwise impede the path or direction of egress.

Application

Doors and doorways serving as a *required exit* or forming part of a *required exit*, and any doorway in a *patient care area* of a Class 9a building

Acceptable solution

Capacity - Doors and doorways

The doorway:

- (a) must not be fitted with a revolving door; and
- (b) may be fitted with a roller shutter or tilt-up door only if-
 - (i) it serves a Class 6, 7 or 8 building or part with a *floor area* not more than 200 m²; and
 - (ii) the doorway is the only *required exit* from the building or part; and
 - (iii) it is held in the open position while the building or part is lawfully occupied; and
- (c) may be fitted with a sliding door only if-
 - (i) it leads directly to a road or *open space*; and
 - (ii) the door is able to be opened manually under a force of not more than 110 N; and
- (d) if fitted with a door which is power-operated-
 - (i) it must be able to be opened manually under a force of not more than 110 N if there is a malfunction or failure of the power source; and
 - (ii) if it leads directly to a road or *open space* it must open *automatically* if there is a power failure to the door or on the activation of a fire or smoke alarm anywhere in the *fire compartment* served by the door.

Application

Landings in stairways.

Acceptable solution

Safety - Landings

Landings having a maximum gradient of 1:50 may be used in any building to limit the number of risers in each flight and each landing must-

- (a) be not less than 750 mm long measured 500 mm from the inside edge of the landing; and
- (b) have a non-slip finish throughout or a suitable non-skid strip near the edge of the landing where it leads to a flight of stairs below.

Application

Thresholds

Acceptable solution

Safety - Thresholds

The threshold of a doorway may incorporate a step or ramp at a point closer to the doorway than the width of the door leaf only if-

- (a) the doorway opens to a road, *open space*, external stair landing or external balcony; and
- (b) the door sill is not more than 190 mm above the finished surface of the ground, balcony, or the like, to which the doorway opens.

Application

Ramps and stairs, except in machinery rooms, boiler houses, lift-motor rooms, plant-rooms and the like.

Acceptable solution

Safety - Handrails

Handrails must be:

- (a) located:
 - (i) along at least one side of the ramp or flight of stairs; and
 - (ii) along each side if the total width of the stairway or ramp is 2 m or more; and
- (b) not more than 2 m apart in the case of intermediate handrails; and
- (c) continuous between stair flight landings and have no obstruction on or above them that will tend to break a hand-hold; and
- (d) fixed at a height of not less than 865 mm above the nosings of stair treads and the floor surface of the ramp, landing, or the like.

Application

A door in a *required exit*, forming part of a *required exit* or in the path of travel to a *required exit*, except a door that:(a) serves a vault, strong-room, *sanitary compartment*, or the like; or

- (b) serves only, or is within-
 - (i) a *sole-occupancy unit* in a Class 2 or 3 building or a Class 4 part; or
 - (ii) a *sole-occupancy unit* with a *floor area* not more than 200 m² in a Class 5, 6, 7 or 8 building; or
 - (iii) a space which is usually inaccessible and is always inaccessible to persons without a key; or
- (c) serves an occupancy where special arrangements for security are necessary and it can be immediately unlocked:
 - (i) by operating a fail-safe control switch, not contained within a protective enclosure, to actuate a device to unlock the door; or
 - (ii) by hand by a person or persons, specifically nominated by the owner, properly instructed as to the duties and responsibilities involved and available at all times when the building is lawfully occupied so that persons in the building or part may immediately escape if there is a fire or other emergency; or
- (d) is fitted with a fail-safe device which *automatically* unlocks the door upon the activation of any *sprinkler system* or smoke or heat detector system installed throughout the building.

Acceptable solution

Availability - Operation of latch

The door must be readily openable without a key from the side that faces a person seeking egress, by a single hand downward action or pushing action on a single device which is located between 900 mm and 1.2 m from the floor.

Application

- (a) Fire doors providing direct access to a fire isolated exit, except a door providing direct egress from a sole-occupancy unit in a Class 2 or 3 building or Class 4 part, and *required* smoke doors - on the side of the door that faces a person seeking egress.
- (b) Fire doors forming part of a *horizontal exit*, smoke doors that swings in both directions and doors leading from a fire isolated *exit* to a road or *open space* - on each side of the door.

Acceptable solution

Availability

- (a) A sign, to alert persons that the operation of the door must not be impaired, must be installed where it can readily be seen on, or adjacent to, the door.
- (b) The sign must be in capital letters not less than 20 mm high in a colour contrasting with the background and state-
 - (i) for an *automatic* door held open by an *automatic* hold-open device- **"FIRE (SMOKE) DOOR - DO NOT OBSTRUCT"**; or
 - (ii) for a *self-closing* door- **"FIRE (SMOKE) DOOR DO NOT OBSTRUCT DO NOT KEEP OPEN"**; or
 - (iii) for a door discharging from a fire-isolated *exit*- **"FIRE SAFETY DOOR - DO NOT OBSTRUCT"**.

EP1e

Application

Exits

Acceptable solution

Availability - *Distance between alternative exits*

Exits that are *required* as alternative means of egress must be 60 m apart.

Safety - *Exit travel distance*

No point on a floor must be more than 20 m from an *exit*, or a point from which travel in different directions to 2 *exits* is available, in which case the maximum distance to one of those *exits* must not exceed 40 m.

EP1f

Application

- (a) Each *storey* if the building has a *rise in storeys* of more than 6 or an *effective height* of more than 25 m.
- (b) Any *storey* or *mezzanine* that accommodates more than 50 persons.

Acceptable solution

Availability - *Number of exits*

In addition to any *horizontal exit*, not less than 2 *exits* must be provided.

Application

Fire-isolated passageways.

Acceptable solution

Safety

A ramp must be provided at any change in level less than 600 mm.

EP1g

Application

A door in a *required exit*, forming part of a *required exit* or in the path of travel to a *required exit* that serves a *storey* or room accommodating more than 100 persons, in a building other than a building used for religious purposes.

Acceptable solution

Availability - Operation of latch

The door must be readily openable-

- (a) without a key from the side that faces a person seeking egress; and
- (b) by a single hand pushing action on a single device such as a panic bar located between 900 mm and 1.2 m from the floor; and
- (c) where double doors are installed the provisions of (a) and (b) need only apply to one door.

EP1h

Application

Exits.

Acceptable solution

Availability - Number of exits

In addition to any *horizontal exit*, not less than 2 *exits* must be provided from each *storey*.

EP1i

Application

Exits.

Acceptable solution

Safety - Exit travel distance

The distance to a single *exit* serving a *storey* at the level of access to a road or *open space* may be increased to 30 m.

EP1j

Application

Exits.

Acceptable solution

Availability - Number of exits

In addition to any *horizontal exit*, not less than 2 *exits* must be provided.**EP1k**

Application

Exits.

Acceptable solution

Safety - Exit travel distance

- (a) The entrance doorway of any *sole-occupancy unit* must be within
 - (i) 6 m of an *exit* or a point from which travel in different directions to 2 *exits* is available; or
 - (ii) 20 m of a single *exit* serving the *storey* at the level of egress to a road or *open space*; and

- (b) each point on the floor of a room which is not in a *sole-occupancy unit* must be within 20 m of an *exit* or a point at which travel in different directions to 2 *exits* is available.

Availability - *Distance between alternative exits*

Exits that are *required* as alternative means of egress must be not more than 45 m apart.

EP11

Application

Exits.

Acceptable solution

Availability - *Number of exits*

- (a) In addition to any *horizontal exit*, not less than 2 *exits* must be provided from any *storey* which includes a *patient care area*.
- (b) At least one *exit* must be provided from every part of a *storey* which has been divided into *fire compartments* in accordance with FS6.

Availability - *Distance between alternative exits*

Exits that are *required* as alternative means of egress and that serve a *patient care area* must be not more than 45 m apart.

Application

Landings in stairways.

Safety - *Landings*

In a stairway

- (a) the area of any landing must be sufficient to move a stretcher, 2 m long and 600 mm wide, at a gradient not more than the gradient of the stairs, with at least one end of the stretcher on the landing while changing direction between flights; or
- (b) the stair must have a change of direction of 180°, and the landing a clear width of not less than 1.6 m and a clear length of not less than 2.7 m.

Application

Horizontal exits

Acceptable solution

Availability - *Horizontal exits*

- (a) *Horizontal exits* may be counted as *required exits* if the path of travel from a *fire compartment* leads by one or more *horizontal exits* directly into another *fire compartment* which has at least one *required exit* which is not a *horizontal exit*.
- (b) *Horizontal exits* must have a clear area on each side of the *fire wall* to accommodate the total number of persons from both parts of the *storey*, of not less than 2.5 m² per patient.

EP1m

Application

Exits.

Acceptable solution

Availability - *Number of exits*

- (a) Not less than 2 *exits* must be provided from each *storey*.

- (b) A horizontal exit must not be counted as a required exit.

EP1n

Application

A primary or secondary *school*.

Acceptable solution

Availability - *Number of exits*

- (a) In a building with a *rise in storeys* of 2 or more, not less than 2 *exits* must be provided from each *storey*.
- (b) A horizontal exit must not be counted as a required exit.

EP1o

Application

Exits.

Acceptable solution

Availability - *Number of exits*

In an *open spectator stand* containing more than one tier of seating, every tier must have not less than 2 stairways or ramps, each forming part of the path of travel to not less than 2 *exits*.

Capacity - *Width of exits*

In an *open spectator stand* which accommodates more than 2000 persons, the aggregate width of exits, except for doorways, must be increased to 17 m plus a width (in metres) equal to the number in excess of 2000 divided by 600.

Capacity - *Width of stairways*

- (a) The *required* width of a stairway must-
- (i) be measured clear of all obstructions such as handrails, projecting parts of balustrades, and the like; and
 - (ii) extend without interruption, except for ceiling cornices, to a height not less than 2 m vertically above a line along the nosings of the treads or the floor of the landing.
- (b) A *required* stairway that exceeds 2 m in width is counted as having a width of only 2 m unless it is divided by a balustrade or handrail continuous between landings and each division is less than 2 m wide.

Availability - *Discharge of exits*

In an *open spectator stand* that accommodates more than 500 persons, a *required* stairway or *required* ramp must not discharge to the ground in front of the stand.

EP1p

Application

Exits.

Acceptable solution

Safety - *Exit travel distance*

The distance to one of the *exits* may be 60 m if-

- (a) the path of travel from the room concerned to that *exit* is through another area which is a corridor, hallway, lobby, ramp or other circulation space; and
- (b) the room is smoke-separated from the circulation space by construction having an FRL of not less than 60/60/60 with every doorway in that construction

- protected by a tight fitting self-closing solid-core door not less than 35 mm thick; and
- (c) the maximum distance of travel does not exceed 40 m within the room and 20 m from the doorway to the room through the circulation space to the exit.

EP1q

Application

A building used as a primary *school*

Acceptable solution

Safety - Handrails

Handrails must be fixed at a height of not less than 865 mm with a second rail fixed at a height of not less than 700 mm.

EP1r

Application

Each *sole-occupancy unit*

Acceptable solution

Availability - Number of exits

Each sole-occupancy unit must have:

- (a) access to at least 2 *exits*; or
- (b) its own direct access to a road or *open space*.

EP1s

Application

Exits.

Acceptable solution

Safety - Exit travel distance

The entrance doorway to any Class 4 part must be not more than 6 m from an *exit* or a point from which travel in different directions to 2 *exits* is available.

EP1t

Application

A building used as an open spectator stand.

Acceptable solution

Safety - Exit travel distance

The distance of travel to an *exit* must be not more than 60 m.

EP1u

Application

Exits.

Acceptable solution

Capacity - Width of exits

- (a) If the *storey* or *mezzanine* accommodates not more than 100 persons, the unobstructed width except for doorways must be not less than 1.8 m in a passageway, corridor or ramp normally used for the transportation of patients in beds within a *treatment area* or *ward area*; and

- (b) if the *storey* or *mezzanine* accommodates more than 100 persons but not more than 200 persons, the aggregate width, except for doorways, must be not less than 1.8 m in a passageway, corridor or ramp normally used for the transportation of patients in beds within a *treatment area* or *ward area*.
- (c) The *required* width of a stairway must-
 - (i) be measured clear of all obstructions such as handrails, projecting parts of balustrades, and the like; and
 - (ii) extend without interruption, except for ceiling cornices, to a height not less than 2 m vertically above a line along the nosings of the treads or the floor of the landing.
- (e) A *required* stairway that exceeds 2 m in width is counted as having a width of only 2 m unless it is divided by a balustrade or handrail continuous between landings and each division is less than 2 m wide.
- (f) In a *required exit* or path of travel to an *exit*, the width of a doorway through which patients would normally be transported in beds must be at least-
 - (i) if the door opens into a corridor wider than 1.8 m and narrower than 2.2 m - 1200 mm; or
 - (ii) if the door opens into a corridor wider than 2.2 m - 1070 mm.
- (g) In a *horizontal exit* the width of a doorway must be at least 1250 mm.

Safety - Exit travel distance

- (a) Any point on the floor must be within 12 m of a point from which travel in different directions to 2 of the *required exits* is available; and
- (b) the distance to one of those *exits* must be not more than 30 m from the starting point.

Application

Ramps.

Acceptable solution

Safety

A ramp serving as a *required exit* must have a gradient not steeper than 1:12.

Application

Thresholds of doorways.

Acceptable solution

Safety

The threshold may incorporate a step or ramp at a point closer to the doorway than the width of the door leaf only if the door sill is not more than 25 mm above the finished floor level to which the doorway opens.

Application

Along at least one side of every passageway or corridor used by patients.

Acceptable solution

Safety - Handrails

Handrails must be provided, and must be:

- (i) fixed not less than 50 mm clear of the wall; and
- (ii) where practicable, continuous for their full length.

EP1v

Application

A building containing an auditorium which accommodates more than 500 persons

Acceptable solution

Availability - *Discharge from exits*

Not more than 2/3 of the required width of exits must be located in the main entrance foyer.

EP1w

Application

Horizontal exits

Acceptable solution

Availability - *Horizontal exits*

Horizontal exits must have a clear area on each side of the *fire wall* to accommodate the total number of persons from both parts of the *storey*, of not less than 0.5 m² per person.

EP1x

Application:

Fire-isolated stairways

Acceptable Solution:

Safety - *Separation of rising and descending stair flights*

If a stairway serving as an exit is required to be fire-isolated:

- (a) there must be no direct connection between-
 - (i) a flight of stairs rising from a storey below the lowest level of access to a road or open space; and
 - (ii) a flight of stairs descending from a storey above that level; and

Specification EP1a

- (a) A balustrade in-
 - (i) *fire-isolated stairways, fire-isolated ramps* and other areas used primarily for emergency purposes, excluding external stairways and external ramps; and
 - (ii) Class 7 (other than public car parks) and Class 8 buildings and parts of buildings containing those classesmust comply with (e) and (f)(i).
- (b) A balustrade in stairways and ramps, other than those covered in (a), must comply with (e) and (f)(ii).
- (c) A balustrade along the side of a horizontal or near horizontal surface such as a-
 - (i) roof to which public access is provided and any path of access to a building; and
 - (ii) floor, corridor, hallway, balcony, verandah, *mezzanine*, access bridge or the like, must comply with (e) and (f)(ii).
- (d) A balustrade or other barrier in front of fixed seating on a *mezzanine* or balcony within an auditorium in a Class 9b building must comply with (e)(iv) and (f)(ii).
- (e) The height of a balustrade must be as follows:
 - (i) The height must be not less than 865 mm above the nosings of the stair treads or the floor of a ramp.
 - (ii) The height must be not less than-
 - (A) 1 m above the floor of any access path, balcony, landing or the like; or
 - (B) 865 mm above the floor of a landing to a stair or ramp where the balustrade is provided along the inside edge of the landing and does not exceed a length of 500 mm.
 - (iii) A transition zone may be incorporated where the balustrade height changes from 865 mm on the stair flight or ramp to 1 m at the landing.
 - (iv) The height above the floor must be not less than-
 - (A) 1 m; or
 - (B) 700 mm and a horizontal projection extends not less than 1 m outwards from the top of the balustrade.
- (f) Openings in a balustrade must comply with the following:
 - (i)
 - (A) the space between balusters or the width of any opening in the balustrade (including any openable window or panel) must be not more than 300 mm; or
 - (B) where rails are used, a rail must be provided at a height of not more than 150 mm above the nosings of the stair treads or the floor of the landing, balcony or the like and the space between rails must be not more than 460 mm.
 - (ii) Any opening must not permit a 125 mm sphere to pass through it and for stairs, the space must be tested above the nosings.

System designator

EP2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

If there is a fire in a building, exits must:

- (a) be available to allow occupants with disabilities to reach a place of safety; and
- (b) offer safe passage to occupants with disabilities.

Note: This is another level of performance of the egress system. Since the ABCB Building Access Committee is currently looking to redraft the requirements BCA Part D3 has been included without any changes. The "application" is included in the acceptable solution.

Acceptable solution

Availability and safety

Access to buildings

Access for people with disabilities must be provided to and within buildings as set out in the table below by means of a continuous path of travel in accordance with AS 1428.1-

- (a) from the allotment boundary at a point of entry from a road to the doorway at the entrance floor; and
- (b) from any carparking space on the allotment (whether within or outside the building) provided in accordance with ? ? *Note - this is outside the scope of fire code reform; and*
- (c) from any other building on the allotment to which access for people with disabilities is *required*.

REQUIREMENTS FOR ACCESS FOR PEOPLE WITH DISABILITIES

CLASS OF BUILDING	ACCESS REQUIREMENTS
Class 3	
(a) Common areas of buildings that are <i>required</i> to be accessible	To and within the public areas on the entrance floor and to every floor containing accommodation <i>required</i> to be accessible
(b) if the building contains- more than 10 units up to 49 units more than 49 but not more than 99 more than 99 units	To and within- one <i>sole-occupancy unit</i> 2 <i>sole-occupancy units</i> 3 <i>sole-occupancy units</i>
(c) if accommodation is provided for more than 10 persons other than in <i>sole-occupancy units</i> - up to 49 beds more than 49 but not more than 99 more than 99	2 beds 4 beds 6 beds

[Note: For the purposes of this Table, a double bed counts as 1 bed]

Class 5 and 6	To and within the entrance floor if its floor area is more than 500 m ²
Class 7	To and within the entrance floor if the total floor area of the building is more than 3000 m ² .
Class 8	To and within the entrance floor if the total floor area of the building, excluding any part used as a laboratory, is more than 1000 m ² .
And Class 5, 6, 7 and 8	To and within any floor if irrespective of floor area, the floor is not more than 190 mm at the point of entrance above or below the adjacent finished ground level; and within any other floor to which vertical access by way of a ramp, step ramp or kerb ramp complying with AS 1428.1 or a passenger lift is provided
Class 9a	To and within all areas normally accessible to the public, patients or staff.
Class 9b- An assembly building not being a <i>school</i> or an <i>early childhood centre</i>	To and within every room that accommodates more than 100 persons, and if fixed seating is provided, not less than 1 wheelchair space for each 200 seats, or part, with a minimum of 2 spaces; and within any other floor to which vertical access by way of a ramp, step ramp or kerb ramp complying with AS 1428.1, or passenger lift is provided.
A <i>school</i>	To every room if no alternative similar facilities to those provided in that room are accessible elsewhere in the school.
An <i>early childhood centre</i>	To and within every room used by children.
Class 10a	To and within any area containing facilities such as a shower or water closet for people with disabilities.

Parts of buildings to be accessible

- (a) Access for people with disabilities must be provided-
 - (i) from the doorway at the entrance floor providing access to any *sanitary compartment required* for the use of people with disabilities; and

- (ii) to areas normally used by the occupants, excluding any plantroom, commercial kitchen, cleaners' store room, maintenance accessway, rigging loft, or the like.
- (b) A path of travel providing *required* access must not include a stairway, turnstile, revolving door, escalator or other impediment which would prevent a person in a wheelchair using it.
- (c) Access, finishes and fittings, including passageways, ramps, step ramps or kerb ramps, passenger lifts, signs, doorways and other parts of the building *required* by this Part must comply at least with the provisions of AS 1428.1, excluding any references within that Standard to AS 1735.12.

Concessions

It is not necessary to provide access for people with disabilities to-

- (a) more than 30% of the public space in a restaurant, cafe, bar, function room, or the like, in a Class 6 or Class 9b building; or
- (b) a *mezzanine*; or
- (c) a space not regarded as a *storey* by definition; or
- (d) any area if access would be inappropriate because of the particular purpose for which the area is used.

System designator

EP3

System element descriptor

*This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
If there is a fire in a building, exits must offer safe passage.*

Application (a - g)

A non-fire-isolated stairway or ramp serving as a required exit.

EP3a

Acceptable solution

Safety

The stairway or ramp must provide a continuous means of travel by its own flights of stairs and landings from every *storey* served to the level at which egress to a road or *open space* is provided.

EP3b

Acceptable solution

Safety - Exit travel distance

The distance from any point on a floor to a point of egress to a road or *open space* by way of a *required non-fire-isolated stairway or ramp* must not exceed 80 m.

EP3c

Acceptable solution

Safety

The stairway or ramp must discharge at a point not more than-

- (a) 20 m from a doorway providing egress to a road or *open space* or from a *fire-isolated passageway* leading to a road or *open space*; or
- (b) 40 m from one of 2 such doorways or passageways if travel to each of them from the *non fire-isolated stairway or ramp* is in opposite or approximately opposite directions.

EP3d

Acceptable solution

Safety

The stairway or ramp must discharge at a point not more than-

- (i) 15 m from a doorway providing egress to a road or *open space* or from a *fire-isolated passageway* leading to a road or *open space*; or
- (ii) 30 m from one of 2 such doorways or passageways if travel to each of them from the *non fire-isolated stairway or ramp* is in opposite or approximately opposite directions.

EP3e

Acceptable solution**Safety** - *Exit travel distance*

The distance between the doorway of a room or *sole-occupancy unit* and the point of egress to a road or *open space* by way of a stairway or ramp that is not fire-isolated and is *required* to serve that room or *sole-occupancy unit* must not exceed 60 m.

EP3f**Acceptable solution****Safety**

If 2 or more *exits* are *required* and are provided by means of internal non-*fire-isolated stairways* or non-*fire-isolated ramps*, each *exit* must-

- (a) provide separate egress to a road or *open space*; and
- (b) be suitably smoke-separated from each other at the level of discharge.

EP3g**Acceptable solution****Safety** - *Exit travel distance*

The distance between the doorway of a room or *sole-occupancy unit* and the point of egress to a road or *open space* by way of a stairway or ramp that is not fire-isolated and is *required* to serve that room or *sole-occupancy unit* must not exceed 30 m.

EP3h**Application**

A shop with a *floor area* of not more than 1000 m², within a fire compartment in a Class 6 building with a floor area more than 2000 m² not containing an enclosed common walkway or mall that serves more than one shop.

Acceptable solution**Safety**

The shop must have a main public entrance opening to a road or *open space*.

System designator

EP4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Snow must not affect the availability and safety of exits.

Application

Buildings in alpine areas.

Acceptable solution

Availability - *External doorways* -

- (a) A door fitted to an external doorway which may be subject to the build-up of snow must-
 - (i) only be capable of opening inwards; and
 - (ii) be marked "OPEN INWARDS" on the inside face of the door in letters not less than 75 mm high and in a colour contrasting with that of the background; and
 - (iii) if it serves a corridor or stairway, be positioned in an alcove or recess so that it does not hinder egress.
- (b) An alcove or recess for a door must have-
 - (i) all horizontal dimensions at least twice the width of the door; and
 - (ii) the door positioned to open against a wall such that the distance from any part of its swing to the nearest point of entry of the stairway or corridor is not less than the width of the door.
- (c) Every threshold of a [*required exit*] doorway must be located so that snow or ice is not deposited in a manner that will obstruct means of egress from that doorway.

Safety - *External ramps*

An external ramp serving as an *exit* must have a gradient not steeper than 1 in 12.

Availability - *Discharge of exits*

- (a) If any part of an *external wall* is more than 3.6 m above the natural ground level - the distance of that part from a boundary other than a road alignment must be at least 2.5 m plus 100 mm for each 300 mm or part by which that part of the wall exceeds a height of 3.6 m; and
- (b) if an *exit* doorway discharges into a court between wings of a building, the wings must be not less than 6 m apart; and
- (c) if an *exit* doorway is opposite a barrier which is more than 900 mm above the threshold of the doorway, the threshold must be at a distance from that barrier of at least twice the height of the barrier or 6 m, whichever is less.

Safety - *External trafficable structures*

External stairways, ramps, access bridges or other trafficable structures must have-

- (a) a floor surface that consists of steel mesh or other suitable material if it is used as a means of egress; and
- (b) any [*required*] balustrade constructed so that its sides are not less than 75% open.

System designator

EP5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Buildings provided with specialised access for service and maintenance personnel must have exits that offer safe passage.

Application

Fixed platforms, walkways, stairways and ladders in machinery rooms, boiler houses, lift-motor rooms, plant-rooms, rigging lofts and the like, and any tread and riser, landing, balustrade or handrail attached thereto.

Acceptable solution

Safety

The element must comply with AS 1657.

System designator

EP6

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1). We are unable to establish the intent of these requirements.

EP6a

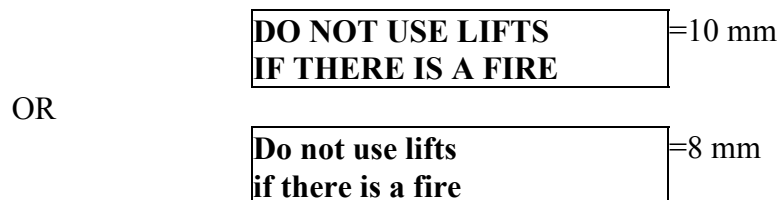
Application

Lifts, except small lifts such as a dumb-waiters or the like that are for the transport of goods only.

Acceptable solution

- (a) A warning sign must be displayed where it can be readily seen, near every call button for a passenger lift or group of lifts throughout a building; and
- (b) the warning sign must comply with the details and dimensions of the figure below; and
- (c) the letters must be:
 - (i) incised, inlaid or embossed on a metal, wood, plastic or similar plate securely and permanently attached to the wall; or
 - (ii) incised or inlaid directly into the surface of the material forming the wall.

WARNING SIGN FOR PASSENGER LIFTS



EP6b

Application

Lifts

Acceptable solution

- (a) One or more emergency lifts must be installed to serve each floor served by lifts.
- (b) An emergency lift must-
 - (i) comply with AS 1735.2 except Clause 12.2- "Access"; and
 - (ii) accommodate a raised stretcher with a patient lying on it horizontally by providing a clear space not less than 600 mm wide x 2000 mm long x 1400 mm high above the floor level; and
 - (iii) have a rating of at least 600 kg if the building has an *effective height* of more than 75 m.

EP6c

Application

A building in which *patient care areas* are located above a level with direct egress to a road or *open space*

Acceptable solution

- (a) One or more emergency lifts must be installed to serve each floor served by lifts.
- (b) An emergency lift must-
 - (i) comply with AS 1735.2 except Clause 12.2- "Access"; and
 - (ii) have the following minimum dimensions, measured clear of all obstructions, including handrails, etc.

Minimum depth of car	2280 mm
Minimum width of car	1600 mm
Minimum floor to ceiling height	2300 mm
Minimum door height	2100 mm
Minimum door width	1300 mm; and
 - (iii) be connected to a standby power supply system where installed; and
 - (iv) have a rating of at least 600 kg if the building has an *effective height* of more than 75 m.

EP6d

Application

Buildings with an effective height of more than 12m in which passenger lifts are installed.

Acceptable solution

- (a) One or more lifts with stretcher facilities must be installed to serve each floor served by lifts.
- (b) A lift with a stretcher facility must accommodate a raised stretcher with a patient lying on it horizontally by providing a clear space not less than 600 mm wide x 2000 mm long x 1400 mm high above the floor level.

System designator

EP7

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Adequate assistance must be provided to help escape in buildings with high populations.

Egress for stage performers and service personnel must not impede the safety or egress of the audience.

EP7a

Application

Audience seating area

Acceptable solution

In a seating area-

- (a) the gradient of the floor surface must not be steeper than 1 in 8, or the floor must be stepped so that-
 - (i) a line joining the nosings of consecutive steps does not exceed an angle of 30° to the horizontal; and
 - (ii) the height of each step in the stepped floor is not more than 600 mm; and
 - (iii) the height of any opening in such a step is not more than 125 mm; and
- (b) if an aisle divides the stepped floor and the difference in level between any 2 consecutive steps-
 - (i) exceeds 230 mm but not 400 mm - an intermediate step must be provided in the aisle; and
 - (ii) exceeds 400 mm - 2 equally spaced intermediate steps must be provided in the aisle; and
 - (iii) the going of intermediate steps must be not less than 270 mm and such as to provide as nearly as practicable equal treads throughout the length of the aisle; and
- (c) the clearance between rows of fixed seats used for viewing performing arts, sport or recreational activities must be not less than-
 - (i) 300 mm if the distance to an aisle is not more than 3.5 m; or
 - (ii) 500 mm if the distance to an aisle is more than 3.5 m.

EP7b

Application

Exits

Acceptable solution

- (a) The path of travel to an *exit* from a *stage* or performing area must not pass through the proscenium wall if the *stage* area is separated from the audience area with a proscenium wall.
- (b) *Required exits* from *backstage* and *under-stage* areas must be independent of those provided for the audience area.

SYSTEM ELEMENT 3 - ACTIVE SMOKE MANAGEMENT

System designator

AS1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Air conditioning plant must prevent recirculation of smoke.

Application

Buildings fitted with air handling systems serving more than one compartment or smoke zone and where other levels of smoke control are not specified. For the purposes of this provision, each *sole-occupancy unit* in a Class 2 or 3 building is treated as a separate *fire compartment*. Any area of the building not used for extended periods of time such as a storeroom with a floor area less than 30 m², a sanitary compartment, a plant room or the like is excluded.

Acceptable solution

The air-handling plant must be shut down under fire conditions and be arranged so that it does not contribute unduly to the spread of smoke between compartments or smoke zones.

System designator

AS2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Smoke must be prevented from entering required stairs and exit ways.

AS2a

Application

A fire-isolated stairway, ramp or passageway that is not an open access ramp or balcony complying with SM2a and is:

- (a) a required fire-isolated stairway:
 - (i) in a building containing parts of Class 2 or 3, where the *required fire-isolated stairway* serving the Class 2 or 3 parts also connects lower storeys containing parts of Class 5, 6, 7, 8 or 9; or
 - (ii) serving more than 2 storeys below ground level; or
 - (iii) serving an atrium; or
- (b) a required fire-isolated passageway or fire-isolated ramp with a length of travel more than 60 m to a road or open space.

AS2b

Application

Any required fire-isolated stairway

AS2c

Application

If more than two access doorways, not from a sanitary compartment or the like, open to a required fire-isolated exit in the same storey.

Acceptable Solution for AS2a - c

The exit must be pressurised in accordance with AS 1668.1

System designator

AS3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Smoke extraction must be used to discharge smoke and mitigate smoke spread.

AS3a

Application

Any building that:

- (a) exceeds 18 000 m² in *floor area* or 108 000 m³ in volume,
- (b) is protected throughout with a *sprinkler system*,
- (c) is provided with a perimeter vehicular access complying with BF4
- (d) the ceiling height of the *fire compartment* is not more than 12 m; and
- (e) does not have a smoke exhaust system in accordance with AS6.

A Class 6 building with a floor area more than 2000 m², not containing an enclosed common walkway or mall that serves more than one shop:
in each single storey *fire compartment* with a *floor area* of more than 2000 m², but not in a shop within the *fire compartment* if it has -

- (i) a *floor area* of not more than 1000 m²; and
- (ii) a main public entrance opening to a road or *open space*.

A Class 6 building with a floor area more than 2000 m², containing an enclosed common walkway or mall that serves more than one shop:
in each *fire compartment* with a *floor area* more than 2000 m², in the enclosed mall or walkway, and in in each shop with a *floor area* more than 1000 m² opening onto the mall or walkway if the shop is single storey.

AS3b

Application

- (a) Where the fire compartment is a single storey; and
- (b) For schools, only where the rise in storeys is not more than 3; and
- (c) Buildings other than:
 - (i) sporting complexes including sports halls, gymnasiums, swimming pools, ice and roller rinks and the like, or
 - (ii) churches and religious centres

Acceptable Solution AS3a-b

Smoke and heat vents must be installed as a system complying with AS 2665 except that-

- (a) draught curtains must comply with SM1.
- (b) all *automatic* roof vents within the same roof compartment must open at the same time; and
- (c) *automatic* operation of roof vents must be initiated by -
 - (i) a *sprinkler system* if it is installed throughout the building; or
 - (ii) a fire detection and alarm system which complies with FD5 and W3; or

- (iii) smoke detectors spaced not more than 20 m apart and 10 m from any draught curtain and with not less than one detector for each 500 m² of *floor area*; or
 - (iv) rate of rise heat detectors spaced not more than 15 m apart and 7.5 m from any draught curtain and with not less than one detector for each 250 m² of *floor area*; or
 - (v) within a Class 7 or Class 8 building the fusible link operation of any one unit; and
- (d) permanently open vents may form part of the smoke/heat venting system provided that the aerodynamic area of the system complies with AS 2665 and the vents comply with all other relevant construction and performance requirements applicable to the *automatic smoke-and-heat vents*.

System designator

AS4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Air-handling plant must be used to discharge smoke and mitigate smoke spread to other compartments.

AS4a

Application

An air-handling system which recycles air to more than one *fire compartment*. Each *sole-occupancy unit* in a Class 2 or 3 building is treated as a separate *fire compartment*.

Acceptable Solution

The system must operate as a smoke control system in accordance with AS1668.1.

AS4b

Application

A basement, other than a carpark, containing more than 2 *storeys* that -

- (a) are partially or wholly below ground level; and
- (b) are not counted in the *rise in storeys* calculation in accordance with C1.2; and
- (c) has a total *floor area* more than 2000 m².

AS4c

AS4dApplication

For schools, only if the rise in storeys is more than 3.

AS4e

Acceptable solution - AS4b-e

A smoke control system complying with AS1668.1 must be installed.

System designator

AS5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
An air-handling system must be used to confine smoke to the compartment in which the fire started.

Application

In Class 9a buildings, only where a *patient care area* is located more than 2 *storeys* above finished ground level.

Acceptable solution

A zone smoke control system in accordance with AS 1668.1 must be installed.

System designator

AS6

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A purpose designed smoke management system must be used to discharge smoke and mitigate smoke spread.

AS6a

Application

In Class 6 buildings with a floor area more than 2000 m² not containing an enclosed common walkway or mall that serves more than one shop:

- (a) in each *fire compartment* with a *floor area* of more than 2000 m².
- (b) The system need not be fitted in a shop within the *fire compartment* that has:
 - (i) a *floor area* of not more than 1000 m²; and
 - (ii) a main public entrance opening to a road or *open space*.

In Class 6 buildings with a floor area more than 2000 m² containing an enclosed common walkway or mall that serves more than one shop:

- (a) in each *fire compartment* with a *floor area* more than 2000 m² in the enclosed mall or walkway; and
- (b) in each shop with a *floor area* more than 1000 m² opening onto the mall or walkway.

AS6b

Application

In buildings that:

- (a) exceed 18 000 m² in *floor area* or 108 000 m³ in volume; and
- (b) are protected throughout with a *sprinkler system*; and
- (c) are provided with a perimeter vehicular access complying with BF4; and
- (d) where the ceiling height of the *fire compartment* is not more than 12 m; and
- (e) where the building is not fitted with *smoke-and-heat vents* in accordance with AS3.

AS6c

Application

In treatment areas with a floor area more than 1000 m².

AS6d

Application

In patient care areas, only:

- (a) in treatment areas with a floor area less than 1000 m²; or
- (b) where mechanical air-handling system does not recycle air to more than one area divided in accordance with FS; or
- (c) that are located less than 3 storeys above the finished ground level.

AS6e

Application

Buildings other than:

- (a) sporting complexes including sports halls, gymnasiums, swimming pools, ice and roller rinks and the like, or
- (b) churches and religious centres

Acceptable solution AS6a - AS6d

A smoke exhaust system complying with Specification AS6 must be installed.

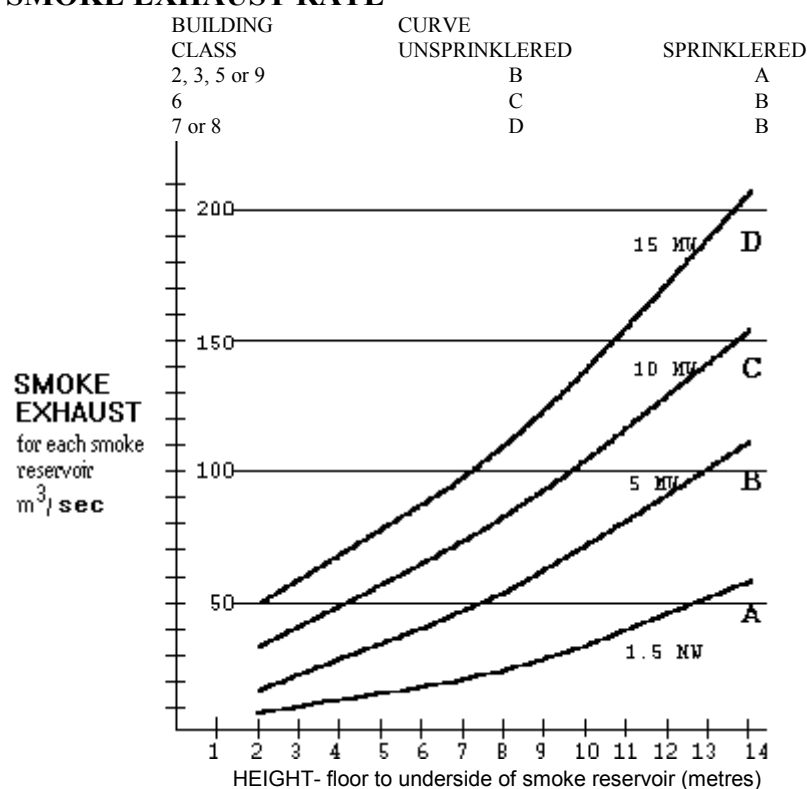
Specification AS6

Smoke exhaust systems

Smoke exhaust fan capacity

- (a) Smoke exhaust fans must have a capacity sufficient to contain the smoke layer within the smoke reservoir with the height of the lower edge of the smoke reservoir not less than 2.1 m above the highest floor level.
- (b) Exhaust quantities must be determined in accordance with the figure below, but with the height measurement taken from the floor to the underside of the smoke layer, satisfy the exhaust capacity requirement.

SMOKE EXHAUST RATE



Smoke exhaust fan requirements

Each smoke exhaust fan must -

- (a) be selected to extract only from within the smoke layer depth; and
- (b) be capable of operating at a temperature of 200°C for a period of not less than 1 hour; and
- (c) in a building not fitted with a *sprinkler system*, in addition to (b), be capable of operating at a temperature of 300°C for a period of not less than 30 minutes.

Smoke exhaust fan control

- (a) Each smoke exhaust fan must be activated sequentially by smoke detectors arranged in zones to match the smoke reservoir served by the fan.
- (b) Where fire alarm system or a *sprinkler system* is installed in the building to satisfy the system element descriptors and is zoned in accordance with (a), activation of the system must also initiate the respective smoke exhaust fan.
- (c) (i) There must be provision for manual control by emergency personnel, adjacent to the fire indicator panel.

- (ii) Controls, indicators and operating instructions must be installed and provided in accordance with Clauses 4.17 and 4.18 of AS 1668.1.
- (d) Power supply wiring to exhaust fans and essential control and detector circuits must comply with AS 1668.1.

Smoke exhaust fan location and discharge requirements

Smoke exhaust fans must be located -

- (a) such that each smoke reservoir is served by a minimum of one fan; and
- (b) at the natural collection points for the hot smoky gasses within each smoke reservoir having due regard to the ceiling geometry and its effect on the migratory path of the smoke; and
- (c) to discharge directly to the outside and vertically upwards with a velocity of not less than 5 m/s; and
- (d) not less than 6 m from any air intake points; and
- (e) positioned so that egress from the building is not impeded by the discharge of smoke.

Building air-handling systems

- (a)
 - (i) An air-handling system that recycles air within a single *fire compartment*, and
 - (ii) a supply air system with a capacity of 500 l/s or more must be shut down on the activation of the smoke exhaust system except where it forms part of the smoke exhaust system.
- (b) Where a supply air system, or supply air component of a recycling air-handling system, forms part of the smoke exhaust system, a smoke detector must be provided in accordance with Clause 4.15 of AS 1668.1. On detection of smoke,
 - (i) the supply air fan must shut down; and
 - (ii) the outside air damper must close.
- (c)
 - (i) Supply air systems with a capacity of less than 500 l/s; and
 - (ii) exhaust air systems,need not form part of the smoke exhaust system and may continue to operate.

Make-up air

- (a) Outdoor air at a velocity of not more than 1 m/s must automatically make up the requirements of the smoke exhaust system.
- (b) The incoming air must not disturb the smoke layer.
- (c) The incoming air must not create a risk of smoke migration to areas remote from the fire.

Single storey fire compartments

- (a) The depth of the smoke reservoir must be determined in accordance with the exhaust fan capacity and must not be less than 500 mm.
- (b) Each smoke exhaust fan must be activated by -
 - (i) a smoke detection and alarm system complying with FD5 and W4; or
 - (ii) smoke detectors with a normal sensitivity classification in accordance with AS 1603.2, spaced not more than 20 m apart and not more than 10 m from any wall, bulkhead or smoke curtain, with not less than one detector for each 300 m² of *floor area*.

Multi-storey fire compartments

- (a) The depth of the smoke reservoir must be determined in accordance with the exhaust fan capacity and be not less than 500 mm; and

- (b) make-up air must be provided to the smoke affected *storey* through each opening and void between *storeys* so as to provide an average air velocity of 1 m/s across the vertical openings beneath the bulkhead or baffle; and
- (c) on activation of any smoke detector -
 - (i) return air dampers to all building air-handling units must close; and
 - (ii) smoke exhaust fans must operate to remove smoke from the smoke affected reservoir; and
 - (iii) supply air systems and supply air components of recycling air-handling systems on the smoke affected *storey* must shut down, except where they are designed to provide make-up air; and
 - (iv) 100% outside air must be supplied to all other non-smoke affected *storeys*.

Class 6 buildings - enclosed common walkways and malls

- (a) Exhaust fans must -
 - (i) be located not more than 20 m from the end of the mall and spaced not more than 40 m apart; and
 - (ii) not be located at the intersection of walkways or malls.
- (b) Each smoke exhaust fan must be activated by -
 - (i) in single *storey* walkways or malls -
 - (A) a smoke detection and alarm system which complies with FD5 and W4; or
 - (B) smoke detectors with a normal sensitivity classification in accordance with AS 1603.2 spaced not more than 15 m apart and not more than 10 m from any wall, bulkhead or curtain with not less than one detector for each 200 m² of *floor area*; and
 - (ii) in multi- *storey* walkways or malls, a smoke detection system which operates at an obscuration level not greater than 0.5% per metre with compensation for external airborne contamination.

System designator

AS7

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A smoke exhaust system must be used to discharge smoke and mitigate smoke spread.

The following statement of intent is included in the BCA:

A tenable atmosphere must be maintained in all paths of travel along balconies to required exits during evacuation.

Application

Buildings containing atriums which:

- (a) connect more than 2 *storeys*; or
- (b) connect more than 3 *storeys* if:
 - (i) each of those *storeys* is provided with a *sprinkler system* throughout;
and
 - (ii) one of those *storeys* is situated at a level at which there is direct egress to a road or *open space*.

Acceptable solution

A smoke exhaust system complying with Specification AS7 must be installed.

Specification AS7

General requirements

Mechanical air-handling systems in a building containing an *atrium* must satisfy system designator AS4. The additional requirements of Specification AS7 also apply.

Fire and smoke control systems in buildings containing atriums

Operation of *atrium* mechanical air-handling systems

The mechanical air-handling system must be designed to operate so that during a fire-

- (a) smoke exhaust fans serving the *atrium* are only activated when smoke enters the *atrium*; and
- (b) central plant systems do not use the *atrium* as a return air path; and
- (c) central plant systems which use return air paths remote from the *atrium*-
 - (i) cycle to the full outside air mode; and
 - (ii) do not supply air to the fire affected *storey* or *fire compartment*; and
 - (iii) continue to fully exhaust the fire affected *storey* or *fire compartment* and reduce the exhaust from other *storeys* or *fire compartments* by at least 75%; and
 - (iv) continue to supply air to *fire compartments* or *storeys* that are not affected by the fire; and
- (d) fans performing relief or exhaust duty from the *atrium* stop normal operation; and
- (e) floor by floor, or unitary, air-handling plant serving a single *fire compartment* or *storey*-
 - (i) ceases normal operation in the *storey* or *fire compartment* affected by the fire; and
 - (ii) commences full relief or exhaust from the *storey* or *fire compartment* affected by the fire; and
 - (iii) continue to supply air to *fire compartments* or *storeys* not affected by the fire.

Activation of smoke control system

- (a) The smoke control system must be activated by-
 - (i) an *automatic* fire alarm; or
 - (ii) a *sprinkler system*; or
 - (iii) a manual start switch.
- (b) All controls for the smoke control system must be located-
 - (i) in the fire control room; or
 - (ii) in the emergency control centre; or
 - (iii) adjacent to the sprinkler control valves; or
 - (iv) incorporated in the Fire Indicator Board.

Smoke exhaust system - size of fire

The smoke exhaust system must be designed on the basis of the *sprinkler system* limiting the size of a fire to-

- (a) a heat output of 1.5 MW and perimeter of 7.5 m if a Class 2, 3, 5 or 9 part of the building is open to the *atrium*; or
- (b) a heat output of 5 MW and perimeter of 12 m if a Class 6, 7 or 8 part of the building is open to the *atrium*.

Smoke exhaust system - height of smoke plume

The smoke exhaust system must be designed on the basis of a smoke plume reaching a level 3 m above the highest *storey* having a path of travel to a *required exit* along a balcony bounding the *atrium well*, and not less than-

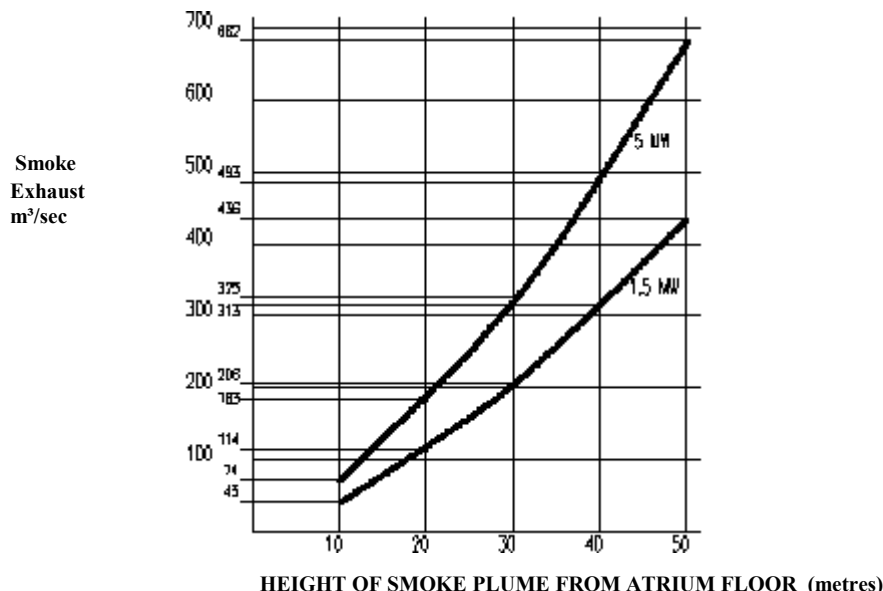
- (a) 12 m above the floor of an *atrium* or the floor of the highest *storey* where the bounding wall is set back more than 3.5 m from the *atrium well* if a Class 2, 3, 5 or 9 part of the building is open to the *atrium*; or
- (b) 20 m above the floor of an *atrium* or the floor of the highest *storey* where the bounding construction is set back more than 3.5 m from the *atrium well* if a Class 6, 7 or 8 part of the building is open to the *atrium*.

Smoke exhaust system - discharge rate

The smoke exhaust system must be designed on the basis of the smoke exhaust system discharging smoke at a rate of not less than that shown below for the appropriate height of smoke plume and fire size-

- (a) from the top of the *atrium*; or
- (b) horizontally where calculations of wind velocity induced pressure profiles for the building verify that the exhaust system will operate effectively for all wind directions.

SMOKE EXHAUST RATE



Smoke exhaust system - upward air velocity

The average upward air velocity in the *atrium*, due to the *required* smoke exhaust quantity must-

- (a) be not less than 0.2 m/s at any level over 18 m above the floor of the *atrium*; and
- (b) in *atriums* of constant cross sectional plan area, not exceed the following velocities -
 - (i) for occupancy classification qualifying for 1.5 MW fire size - 3.5 m/s.
 - (ii) for occupancy classifications qualifying for 5 MW fire size - 5 m/s.

Smoke exhaust

Smoke exhaust must be provided by one of the following methods:

- (a) where a Class 6 part of a building does not adjoin the *atrium* and where the height from the *atrium* floor to the bottom of the highest vent is not more than

- 12 m - *automatic* vents complying with *AS 2665* and fitted with a remote manual operation switch located adjacent to the sprinkler control valves or incorporated in the Fire Indicator Board.
- (b) where a Class 2, 3 or 9 part of a building adjoins an *atrium* - a minimum of 3 fans each capable of 50% of the total *required* smoke exhaust capacity and capable of continuous operation for a period of not less than 1 hour when handling exhaust gases at 200°C.
 - (c) *Atriums* other than those referred to in (b) - a minimum of 2 fans each capable of 50% of the total *required* smoke exhaust capacity and capable of continuous operation for a period of not less than 1 hour when handling exhaust gases at 200°C.

Make-up air supply

- (a) Uniformly distributed make-up air must be provided from-
 - (i) outside the *atrium* at or near the lowest *storey* level in such a manner as to prevent, as far as possible, disturbance of the smoke layer due to turbulence created by the incoming air. Ducts that pass through any other fire compartment must have an FRL of at least 60/60/60; and
 - (ii) relief air from non-fire *storeys*.
- (b) A discharge volume sufficient to maintain a velocity of not less than 0.1 m/s towards the *atrium well* must be provided on all *storeys* where the bounding wall is set back from the *atrium well*.

System designator**AS8****System element descriptor**

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements.

Application

A carpark, including a basement carpark, provided with a mechanical ventilation system in accordance with AS 1668.2.

Acceptable solution

The mechanical ventilation system must be designed in accordance with AS1668.1 Clause 7.6 except that -

- (a) standard metal blade fans may be used instead of high temperature fans; and
- (b) the electrical control cabling need not be fire rated.

System designator

AS9

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A smoke management system must be used to discharge smoke and mitigate smoke spread.

AS9a

Application

A theatre, public hall or the like with the *stage, backstage* area and accessible under-*stage* area not separated from the audience by a proscenium wall.

Acceptable solution

- (a) A smoke control system must be installed in accordance with Specification AS9.
- (b) The building must be fitted with a sprinkler system complying with SU11.

AS9b

Application

A theatre, public hall or the like with the *stage, backstage* area and accessible under-*stage* area separated from the audience by a proscenium wall.

Acceptable solution

Every *stage* must have a system of mechanical ventilation with sufficient capacity to exhaust an amount of air whichever is the greater of-

- (a) 5 000 L/s; or
- (b) the sum of-
 - (i) 10 L/s.m² of the performing area of the *stage*; and
 - (ii) 20 L/s.m² of the remaining area of the *stage*; and
 - (iii) 20 L/s.m² of the area of the rigging loft.

Specification AS9

Smoke control systems for theatres

Application of AS 1668.1

Except where superseded by the requirements below, mechanical air-handling systems must comply with the relevant requirements of AS 1668.1.

Design principles

The smoke control system must be designed on the basis of-

- (a) a sprinkler controlled fire having a perimeter of 12 m; and
- (b) the provision of a smoke reservoir so that-
 - (i) the lowest level of the smoke in the reservoir is more than 2.5 m above the floor level of the highest tier of seating; and
 - (ii) the lowest level of the smoke layer in the reservoir is more than 1 m above the lowest point of the smoke enclosure.

Construction of smoke reservoir

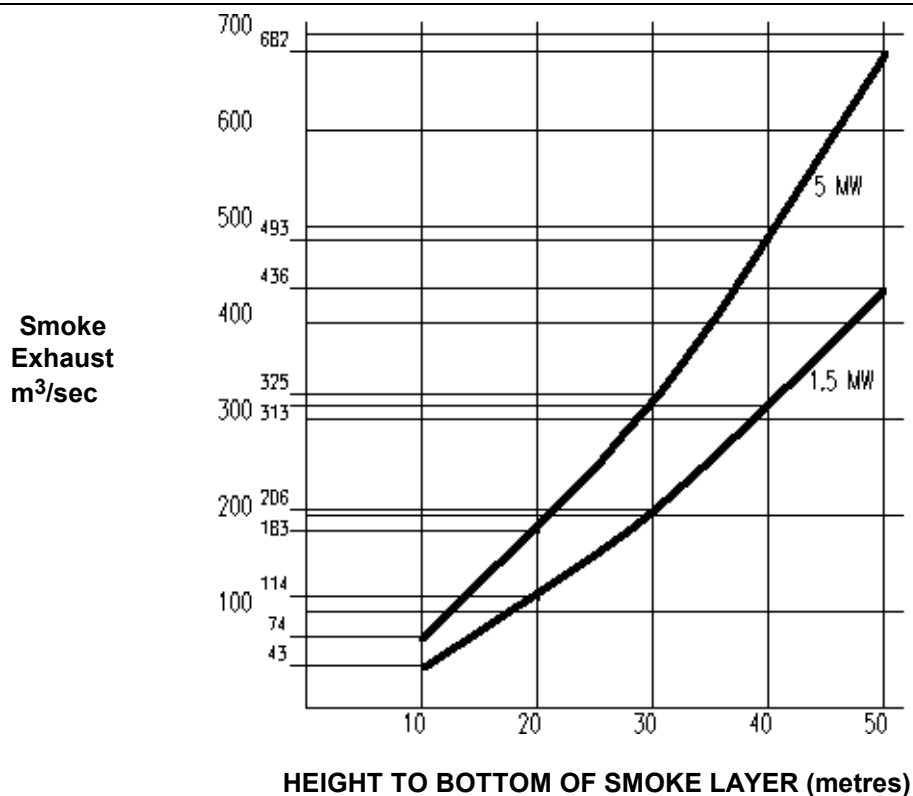
The construction forming a smoke reservoir must be *non-combustible*.

Exhaust rates

The system must exhaust smoke at a rate not less than that shown in the figure below-

- (a) from above the *stage* - for a 5 MW fire and the relevant height between the lowest level of the smoke layer in the smoke reservoir and the *stage* floor; or
- (b) if the smoke reservoir above the *stage* is smoke separated from the audience area - for a 1.5 MW fire and the relevant height between the lowest level of the smoke layer in the reservoir and the lowest part of the floor in the audience area.

SMOKE EXHAUST RATE



Exhaust fans

Smoke exhaust must be provided by one of the following methods:

- (a) not less than 3 exhaust fans-
 - (i) each capable of 50% of the total *required* smoke exhaust capacity; and
 - (ii) capable of continuous operation for a period of not less than 2 hours when handling exhaust gases at 200°C; and
 - (iii) two exhaust fans must run initially with the third fan starting *automatically* if one of the other fans fails to operate but capable of simultaneous operation with the other two by manual control; or
- (b) *automatic smoke-and-heat vents* in accordance with AS 2665 if:
 - (i) no rigging loft is constructed; and
 - (ii) the height from the *stage* floor to the highest part of the ceiling is not more than 12 m; and
 - (iii) the vents have a remote manual operating switch at a location normally used by the *stage* manager.

Controls

The smoke control system must:

- (a) be actuated by the operation of:
 - (i) the *sprinkler system*; and
 - (ii) an *automatic* fire alarm system or manual break-glass fire alarm where provided; and
 - (iii) a manual start switch at the location normally used by the *stage* manager and adjacent to an *exit* from the audience seating area; and
- (b) for all valves controlling the *sprinkler system* heads over the *stage* area, have clearly marked tamper switches connected to a monitoring panel at the location normally used by the *stage* manager.

Make-up air supply

Make-up air must be available-

- (a) at or near the lowest part of the audience seating area; or
- (b) at a low level around the perimeter of the audience seating areas; or
- (c) from the normal air-conditioning system if it does not disturb the rising plume of smoke being exhausted or the smoke layer in the smoke reservoir.

System designator

AS10

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Where smoke might present a special hazard, measures must be taken to discharge smoke and mitigate smoke spread.

Application

Buildings where due to

- (a) the building arrangement; or
 - (b) the nature of occupancy; or
 - (c) the nature, or quantity of materials stored, displayed or used,
- the potential is created for smoke to present a special hazard during evacuation.

Acceptable solution

Additional smoke hazard management designed to provide a tenable environment during evacuation.

SYSTEM ELEMENT 4 - FIRE SUPPRESSION

System designator

SU1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
The sprinkler system must be capable of extinguishing the fire. Activation of the sprinkler system must generate an audible warning throughout occupied parts of the building.

SU1a

Application:

In Carparks, only where either of the following apply:

- (a) More than 40 vehicles are accommodated.
- (b) Structural steel members with an FRL less than 60/ -/ - are incorporated

SU1b

Application:

In occupancies of excessive hazard (see below), in *fire compartments* where either:

- (a) The *floor area* is more than 2000 m²; or
- (b) The volume is more than 12 000 m³.

Occupancies of excessive fire hazard comprise buildings which contain -

- (a) hazardous processes or storage including the following:
 - (i) aircraft hangars.
 - (ii) cane furnishing manufacture, processing and storage.
 - (iii) fire-lighter and fireworks manufacture and warehousing.
 - (iv) foam plastic and foam plastic goods manufacture, processing and warehousing, e.g., furniture factory.
 - (v) hydrocarbon based sheet product, manufacture, processing and warehousing, e.g., vinyl floor coverings.
 - (vi) woodwool and other flammable loose fibrous material manufacture.
- (b) *combustible* goods with an aggregate volume exceeding 1000 m³ and stored to a height greater than 4 m including the following:
 - (i) aerosol packs with flammable contents.
 - (ii) carpets and clothing.
 - (iii) electrical appliances.
 - (iv) *combustible* compressed fibreboards (low and high density) and plywoods.
 - (v) *combustible* cartons, irrespective of content.
 - (vi) esparto and other fibrous *combustible* material.
 - (vii) furniture including timber, cane and composite, where foamed rubber or plastics are incorporated.

- (viii) paper storage (all forms of new or waste) e.g., bales, sheet, horizontal or vertical rolls, waxed coated or processed.
- (ix) textiles raw and finished, e.g., rolled cloth, clothing and manchester.
- (x) timber storage including sheets, planks, boards, joists and cut sizes.
- (xi) vinyl, plastic, foamed plastic, rubber and other *combustible* sheets, offcuts and random pieces and rolled material storage, e.g., carpet, tar paper, linoleum, wood veneer and foam mattresses.
- (xii) all materials having wrappings or preformed containers of foamed plastics.

SU1c

Application

A building with a floor area more than 2000 m², not containing an enclosed common walkway or mall that serves more than one shop:

in each *fire compartment* with a *floor area* of more than 2000 m², but not in a shop within the *fire compartment* if it has -

- (i) a *floor area* of not more than 1000 m²; and
- (ii) a main public entrance opening to a road or *open space*.

SU1d Application

In buildings containing an enclosed common walkway or mall that serves more than one shop, in single storey buildings where the floor area of the fire compartment is not more than 5,000 m² and in 2 storey buildings where the floor area of the fire compartment is not more than 3,500 m²:

- (a) in each *fire compartment* with a *floor area* more than 2000 m² in the enclosed mall or walkway; and
- (b) in each shop with a *floor area* more than 1000 m² opening onto the mall or walkway.

SU1e SU1f SU1g Application

For schools, only those with a rise in storeys greater than 3

SU1h

Application

- (a) Does not apply to sporting complexes including sports halls, gymnasiums, swimming pools, ice and roller rinks and the like, churches and religious centres
- (b) Does not apply to fire compartments with a floor area more than 5,000m²

SU1i Application

A basement, other than a carpark, containing more than 2 *storeys* that -

- (a) are partially or wholly below ground level; and
- (b) are not counted in the *rise in storeys* calculation in accordance with C1.2; and
- (c) has a total *floor area* more than 2000 m².

SU1j SU1k

SU1l SU1m

Application

Carparks complying with S9 and FS1j, S10 and FS2h or S11 and FS3o.

Acceptable solution SU1 a - m

General

The building or fire compartment must be fitted with an *automatic fire sprinkler system* that complies with AS 2118 except that:

- (a) A reference in AS 2118 to a "fire door" means a fire door complying with AS 1905.1 that, when tested, does not fail by radiation through any glazed part during the period specified for integrity in the required FRL
- (b) AS 2118 Clause 3.6 - "Maintenance" does not apply.
- (c) AS 2118 Clause 3.3.2 - does not apply to the extent to which it applies to inferior walls and openings in buildings
- (d) AS 2118 clause 3.3.3 - protection of openings must be in accordance with the requirements for flame and smoke compartmentation.

Fast response sprinklers

Fast response sprinklers may be installed only if they have been tested for the type of application proposed and it is demonstrated that the protection provided will not be less than that provided by an installation complying with AS 2118.

Sprinkler valve enclosures

Sprinkler alarm valves must be located in a secure room or enclosure which has direct egress to a road or *open space*.

Water supply

Notwithstanding AS 2118, the water supply to a *required sprinkler system* must be not less than-

- (a) Grade III for buildings not more than 25 m *effective height*; and
- (b) Grade I for buildings of more than 25 m *effective height*, except that if only a part of the building is *required* to be sprinklered, the grade of supply may be reduced to-
 - (i) Grade II for each part being Class 6 or Class 9, or a Class 6 or Class 9 part together with a part used as a *public carpark*; and
 - (ii) Grade III if only a part of the building is *required* to be sprinklered and it is a part used as a *public carpark*.

Connection to other warning devices

A *sprinkler system* must be connected to and activate -

- (a) any emergency warning and intercommunication system complying with W5; or
- (b) where compliance with W5 is not required, a system of loud speakers or other audible warning devices complying with Clause 2.2.3 of AS 2220.2 and located on each *storey*.

System designator

SU2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
A sprinkler system must be provided to limit the fire size to the design fire assumed for the smoke management system.

Application

Buildings containing atriums which:

- (a) connect more than 2 *storeys*; or
- (b) connect more than 3 *storeys* if-
 - (i) each of those *storeys* is provided with a *sprinkler system* throughout;
 - and
 - (ii) one of those *storeys* is situated at a level at which there is direct egress to a road or *open space*.

Acceptable Solution

General

A *sprinkler system* satisfying SU1 must be installed.

Floor

The floor of the *atrium* must be protected by sprinklers with:

- (a) the use of sidewall pattern sprinkler heads together with overhead sprinklers where dictated by the dimensions of the *atrium*; and
- (b) sprinkler heads of the fast response type, installed with suitable *non-combustible* heat collector plates of 200 mm minimum diameter to ensure activation by a rising fire plume.

Stop valves

- (a) Basic sprinkler and wall wetting systems protecting a building containing an *atrium* must be provided with easily accessible and identified stop valves.
- (b) Sprinkler and wall wetting systems must be provided with independent stop valves.
- (c) Stop valves to wall wetting sprinklers may be of the gate type.
- (e) All sprinkler and wall wetting stop valves must be monitored to detect unauthorised closure.

System designator

SU3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
A sprinkler system must be provided to keep the roof membrane from failing.

Application

Roofs in buildings containing atriums which:

- (a) connect more than 2 *storeys*; or
- (b) connect more than 3 *storeys* if-
 - (i) each of those *storeys* is provided with a *sprinkler system* throughout; and
 - (ii) one of those *storeys* is situated at a level at which there is direct egress to a road or *open space*,

and do not have FRLs complying with FS1, E2 and S1.

Acceptable Solution

Roof

- (a) the roof structure and membrane must be protected by a *sprinkler system*.
- (b) Where the roof is
 - (i) less than 12 m above the floor of the *atrium* or the floor of the highest *storey* where the bounding construction is set back more than 3.5 m from the *atrium well* if a Class 2, 3, 5 or 9 part of a building is open to the *atrium*; or
 - (ii) less than 20 m above the floor of the *atrium* or the floor of the highest *storey* where the bounding construction is set back more than 3.5 m from the *atrium well* if a Class 6, 7 or 8 part of a building is open to the *atrium*;

the roof must be protected by *automatic* sprinklers arranged to wet both the covering membrane and supporting structure. The temperature rating of sprinkler heads providing roof protection must be within the range 79°C - 100°C.

Stop valves

- (a) Sprinkler heads protecting the roof of the *atrium* must be provided with a stop valve, which may be of the gate type.
- (b) All sprinkler stop valves must be monitored to detect unauthorised closure.

SYSTEM ELEMENT 5 - FIRE DETECTION

System designator

FD1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Products of combustion must be detected in the early stages of a fire so that emergency systems can be activated.

FD1a

Application

Smoke detection systems within an atrium which:

- (a) connects more than 2 *storeys*; or
- (b) connects more than 3 *storeys* if:
 - (i) each of those *storeys* is provided with a *sprinkler system* throughout; and
 - (ii) one of those *storeys* is situated at a level at which there is direct egress to a road or *open space*.

Acceptable solution

Smoke detection within an atrium must:

- (a) comply with AS 1670; and
- (b) be provided within all outside air intakes and at individual floor return air intakes of all air-handling systems to initiate automatic fire mode operation, and where applicable, comply with the restart facilities in As 1668.1; and
- (c) operate at an obscuration level not greater than 0.5% per metre with compensation for external airborne contamination as necessary; and
- (d) sample air within the atrium and in storeys where the bounding wall is set back more than 3.5m from the atrium well; and
- (e) be calibrated to compensate for smoke dilution where sampling occurs within return air path common to more than one room; and
- (f) if an air-sampling type smoke detection system is used:
 - (i) alert building management when abnormal smoke levels of 0.03% obscuration per metre are detected; and
 - (ii) initiate a second alarm to management and start all smoke control systems including pressurisation of escape routes when smoke levels of 0.07% obscuration per metre are detected; and
 - (iii) automatically call the Fire Authority, activate the emergency warning and intercommunication systems, and de-activate all plant not necessary for fire safety within the building when smoke levels of 0.09% obscuration per metre are detected; and
- (g) where beam and point type smoke detectors are provided, simultaneously operate functions (f)(i) - (iii) and activate at the level set out in AS 1668.1.

FD1b

Application

Smoke detection systems within an atrium which:

- (a) connects more than 2 *storeys*; or

- (b) connects more than 3 *storeys* if:
 - (i) each of those *storeys* is provided with a *sprinkler system* throughout;
and
 - (ii) one of those *storeys* is situated at a level at which there is direct egress to a road or *open space*.

Acceptable solution

Smoke detection systems within an atrium may incorporate beam type detectors to sense smoke if the beam detectors are:

- (a) located at intervals of not more than 3 storeys; and
- (b) arranged to scan at 90 degrees orientation to adjacent beam units

FD1c**Application**

Smoke detection in spaces separated from the atrium by bounding walls.

Acceptable solution

Smoke detection systems must be located at all return and relief air openings associated with the building air-handling systems and be

- (a) of the sampling type system as required in FD1a; or
- (b) of the point type optical smoke detector.

System designator

FD2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Building occupants must be able to raise an alarm if they detect a fire.

FD2a

Application

Buildings in alpine areas

Acceptable solution

The building must have a manually operated fire alarm system with call-points complying with AS 1670.

FD2b

Application

Buildings with *automatic* fire detection and alarm systems in accordance with FD3, FD4 or FD6.

Acceptable solution

The alarm system must incorporate break glass manual fire alarms in paths of egress so that no point on a floor is more than 30 m from such an alarm point.

System designator

FD3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Heat from a fire must be detected automatically so that warning can be provided throughout the building.

Application

In areas where smoke detectors are not installed.

Acceptable solution

- (a) A fire detection system complying with AS1670 with type "A" rate of rise heat detectors must be installed throughout the building.
- (b) The setting of alarm threshold levels for addressable detectors used within intelligent systems must not exceed the sensitivity levels nominated in:
 - (i) AS 1668.1; and
 - (ii) AS 1603 Parts 1, 4 and 6.

System designator

FD4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must be detected automatically in its early stages so that warning can be provided throughout the building.

Application

- (a) In patient care areas where more than 6 bed patients are accommodated and the path of egress from each such area to a public space; and
- (b) in other areas as necessary for effective smoke control.

Acceptable solution

- (a) A smoke detection system complying with AS1670, except for Clause 2.4(a), must be installed throughout the building
- (b) Smoke detectors must be:
 - (i) wherever possible, surface mounted and outside air-handling ducts, unless a point sampling system with maximum sensitivity level of 0.5% smoke obscuration per metre is used; and
 - (ii) located at natural collection points for hot smoke having regard to the ceiling geometry and its effect on the migratory path; and
 - (iii) situated not more than 1.5m horizontal distance from smoke doors or fire doors; and
 - (iv) of the photo-electric type if installed within ducts or atmospheres contaminated with dust particles less than 1 um in size and other particles likely to operate an ionization type detector.
- (c) Sampling systems must comply with AS 1670, with response times and alarm thresholds maintained at minimum levels and no alarm delay permitted on the highest alarm threshold utilised.
- (d) The setting of alarm threshold levels for addressable detectors used within intelligent systems must not exceed the sensitivity levels nominated in:
 - (i) AS 1668.1; and
 - (ii) AS 1603 and AS 1603 Parts 4 and 6.

System designator

FD5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must be detected automatically in its early stages so that emergency systems (including warnings and brigade alarms) can be activated throughout the building.

Note: this level is used anywhere where a spec E1.7 detection and alarm system is used (but not self-contained smoke alarms).

FD5a

Application

- (a) In habitable rooms other than sole-occupancy units in a Class 3 building, except that in kitchen areas, heat detectors may be used.
- (b) In each sole-occupancy unit
- (c) In public corridors if the building is not protected with a sprinkler system

FD5b Application

A building with a floor area more than 2000 m², not containing an enclosed common walkway or mall that serves more than one shop:

in each *fire compartment* with a *floor area* of more than 2000 m², but not in a shop within the *fire compartment* if it has -

- (i) a *floor area* of not more than 1000 m²; and
- (ii) a main public entrance opening to a road or *open space*.

FD5c

Application

Where the floor area of each fire compartment is less than 2,000m²**FD5d**

FD5e

Application

For schools, only those with a rise in storeys greater than 3

FD5f Application

- (a) Does not apply to sporting complexes including sports halls, gymnasiums, swimming pools, ice and roller rinks and the like, churches and religious centres
- (b) Does not apply to fire compartments with a floor area more than 5,000m²

FD5g Application

In buildings containing more than 2 storeys, basements that:

- (a) are partially or wholly below ground level; and
- (b) are not counted in the rise in storeys calculation; and
- (c) have a total floor area more than 2,000 m²

Acceptable solution FD5a - FD5g

- (a) An automatic fire detection system complying with AS1670 must be installed throughout the building, except that clause 2.4(a) of the standard only applies to heat detectors.
- (b) Smoke detectors, if used, must be:
 - (i) wherever possible, surface mounted and outside air-handling ducts, unless a point sampling system with maximum sensitivity level of 0.5% smoke obscuration per metre is used; and
 - (ii) located at natural collection points for hot smoke having regard to the ceiling geometry and its effect on the migratory path; and
 - (iii) situated not more than 1.5m horizontal distance from smoke doors or fire doors; and
 - (iv) of the photo-electric type if installed within ducts or atmospheres contaminated with dust particles less than 1 um in size and other particles likely to operate an ionization type detector.
- (c) Rate of rise heat detectors, if used, must be of type “A”.
- (d) Sampling systems must comply with As 1670, with response times and alarm thresholds maintained at minimum levels and no alarm delay permitted on the highest alarm threshold utilised.
- (e) The setting of alarm threshold levels for addressable detectors used within intelligent systems must not exceed the sensitivity levels nominated in:
 - (i) AS 1668.1; and
 - (ii) AS 1603 and AS 1603 Parts 4 and 6.

System designator

FD6

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must be detected automatically in its early stages so that local warning can be provided.

FD6a

Application

- (a) In a Class 1b building, in suitable locations on or near the ceiling:
 - (i) in every bedroom and associated hallway; and
 - (ii) on each storey.
- (b) In a Class 2 or 3 building, or a Class 4 part of a building, in each dwelling or sole-occupancy unit in suitable locations on or near the ceiling in any storey
 - (i) containing any bedrooms:
 - (A) between each part of the dwelling or sole-occupancy unit containing bedrooms and the remainder of the dwelling or sole-occupancy unit; or
 - (B) where bedrooms are served by a hallway, in that hallway; or
 - (C) in each bedroom; and
 - (ii) not containing any bedrooms.
- (c) In a Class 2 or 3 building not protected with a sprinkler system, within each public corridor, not more than 5m from any wall and not more than 10m between detectors.
- (d) In a Class 3 building, in addition to being within sole-occupancy units, in other habitable rooms except kitchen areas, in locations in accordance with AS1670.
- (e) In a Class 9a building where 6 or less bed patients are accommodated, in all paths of egress and sleeping areas.

Acceptable solution

Self-contained smoke alarms must

- (a) be installed; and
- (b) comply with AS 3786 or be listed in the SSL Register of Accredited Products; and
- (c) be connected to the consumer mains power.

FD6b

Application

In kitchen areas not within sole-occupancy units.

Acceptable solution

Suitable self-contained heat or smoke alarms must be installed located in accordance with AS 1670.

System designator

FD7

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Detection of fire by a sprinkler system must activate a warning system.

Application

Any building that has a sprinkler system in accordance with SU1, SU2 or SU3.

Acceptable solution

The *sprinkler system* must be connected to and activate -

- (a) any emergency warning and intercommunication system *required* by W5; or
- (b) where an emergency warning and communication system is not *required* by W5, a system of loud speakers or other audible warning devices complying with Clause 2.2.3 of AS 2220.2 and located on each *storey*.

System designator

FD8

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must be detected automatically in its early stages to activate smoke exhaust fans.

Application

Fire compartments where smoke control is in accordance with AS6, but not:

- (a) sporting complexes including sports halls, gymnasiums, swimming pools, ice and roller rinks and the like, or
- (b) churches and religious centres

Acceptable solution

Smoke detectors must be installed with a normal sensitivity classification in accordance with AS1603.2 spaced not more than 20 m apart and not more than 10 m from any wall, bulkhead or smoke curtain with not less than one detector for each 300 m² of *floor area*.

System designator

FD9

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
The system must detect a fire automatically in its early stages to activate the smoke management system.

Application

Buildings where a system complying with AS1668.1 is used for smoke control.

Acceptable Solution

Automatic smoke detectors must be installed in accordance with the requirements of AS1668.1.

SYSTEM ELEMENT 6 - WARNING

System designator

W1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Building occupants must be given warning if they are close to a fire.

W1a

Application

See table

Acceptable solution

Self-contained smoke alarms must:

- (a) be installed in the locations listed in the table; and
- (b) comply with AS 3786 or be listed in the SSL Register of Accredited Products; and
- (c) be connected to the consumer mains power.

<i>Class of building</i>	<i>Location</i>
Class 1b buildings	In suitable locations on or near the ceiling: (i) in every bedroom and associated hallway; and (ii) on each storey.
Class 2 or 3 buildings, or Class 4 parts of buildings	In each dwelling or sole-occupancy unit in suitable locations on or near the ceiling in any storey: (i) containing any bedrooms: (A) between each part of the dwelling or sole-occupancy unit containing bedrooms and the remainder of the dwelling or sole-occupancy unit; or (B) where bedrooms are served by a hallway, in that hallway; or (C) in each bedroom; and (ii) not containing any bedrooms.
Class 2 or 3 buildings not protected with a sprinkler system	Within each public corridor, not more than 5m from any wall and not more than 10m between detectors.
Class 3 buildings	In habitable rooms not within sole-occupancy units, except kitchen areas, in locations in accordance with AS1670.
Class 9a buildings where 6 or less bed patients are accommodated	In all paths of egress and sleeping areas.

W1b

Application

In a class 3 building not protected with a sprinkler system, in kitchen areas not within sole-occupancy units.

Acceptable solution

Suitable self-contained heat or smoke alarms must be installed located in accordance with AS 1670.

System designator

W2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Building occupants must be given audible and visual warning if sliding fire doors are about to close.

Application

In fire walls, sliding fire doors which are held open when the building is in use.

Acceptable solution

- (a) An audible warning device located near the doorway and a red flashing warning light of a suitable intensity on each side of the doorway must be activated by heat or smoke detectors, as appropriate, installed in accordance with AS 1905.1 and the relevant provisions of AS 1670; and
- (b) signs must be installed on each side of the doorway located directly over the opening stating WARNING - SLIDING FIRE DOOR in capital letters not less than 50mm high in a colour contrasting with the background; and
- (c) where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation in either fire compartment separated by the fire wall must also activate the door warning system.

System designator

W3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Occupants must be given warning if there is a fire within the area of the building in which they are located.

Application

- (a) Buildings with an automatic stair pressurisation system or an automatic smoke control system installed in accordance with AS1668.1 that do not have an emergency warning and intercommunication system complying with AS2220.
- (b) Buildings where an FD5 detection system is used.
- (c) Buildings with a sprinkler system that do not have an emergency warning and intercommunication system complying with AS2220

Acceptable solution

A system of loudspeakers, smoke alarms or other audible warning devices complying with Clause 2.2.3 of AS 2220 and located on each storey must be initiated on the activation of the stair pressurisation, smoke control or smoke detection system.

System designator

W4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A warning audible in all occupied spaces of the building must be provided in the event of a fire.

Application Buildings fitted with an automatic fire detection and alarm system, as tabulated below:

<i>Class of building</i>	<i>Location</i>
Class 2 or 3 or Class 4 parts of buildings	Within each sole-occupancy unit
Class 2 or 3 or Class 4 parts of buildings not protected by sprinkler systems	In any public corridor
Class 3 buildings	In habitable rooms that are not within sole-occupancy units
Other buildings	Wherever the fire detection system is fitted

Acceptable solution

An alarm in accordance with AS 1670 must be provided upon detection of fire.

System designator

W5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A warning audible in all occupied spaces of a building must be provided in the event of a fire. A facility for two-way communication must be provided to manage the evacuation and provide emergency communication.

W5a

Application

- (a) Buildings with an effective height of more than 25m; and
- (b) Class 3 buildings having a rise of more than 2 storeys and used as:
 - (i) the residential part of a school : or
 - (ii) accommodation for the aged, children or people with disabilities; and
- (c) Class 9b buildings:
 - (i) used as a school and having a rise of more than 3 storeys; or
 - (ii) used as a theatre or public hall or the like having a floor area more than 1000m² or a rise in storeys of more than 2.

Acceptable solution

An emergency warning and intercommunication system complying where applicable with AS2220 must be installed.

W5b

Application

buildings having a floor area of more than 1000m² or a rise in storeys of more than 2.

Acceptable solution

An emergency warning and intercommunication system complying where applicable with AS 2220 must be installed, except that a discrete alert and evacuation tone may be employed to minimise patient trauma.

System designator

W6

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Occupants throughout the building must be given enhanced warning so that evacuation can be performed in stages if there is a fire and there must be a facility for two-way communication.

Application

a building containing an atrium

Acceptable solution

- (a) The building must be provided with an emergency warning and intercommunication system.
- (b) The system must comply with AS2220.
- (c) A staged alarm must be provided where an air sampling type smoke detection system is provided for the *atrium*, and must operate as follows:
 - (i) Alert building management when abnormal smoke levels of 0.03% obscuration per metre are detected.
 - (ii) Initiate a second alarm to management and start all smoke control systems including pressurisation of escape routes when smoke levels of 0.07% obscuration per metre are detected.
 - (iii) Automatically call the Fire Authority, activate the emergency warning and intercommunication systems, and de-activate all plant not necessary for fire safety within the building when smoke levels of 0.09% obscuration per metre are detected.
- (d) Beam and point type smoke detectors must simultaneously operate all functions referred to above and actuate at a level set out in AS1668.1
- (e) The system must incorporate visible warning signs that operate upon the "action" signal and:
 - (i) display the words "EVAC AREA" in red letters that are clear and legible and of adequate size; and
 - (ii) are illuminated at a level sufficient for them to be clearly visible at all times when the building is occupied by any person having the right of legal entry to the building; and
 - (iii) are installed so that if the normal power supply fails, emergency illumination is provided to the sign.
- *Exit* signs in accordance with AS 2293.1 satisfy (e).
- (f) A break glass alarm point must be provided at each door to a fire isolated stairway, fire isolated ramp, or fire isolated passageway.

System designator

W7

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire brigades must be alerted automatically if there is a fire.

Application

- (a) In a Class 3 building accomodating more than 20 residents used as:
 - (i) the residential part of a school; or
 - (ii) accomodation for the aged, children or people with disabilities.
- (b) In a Class 9a building where more than 20 bed patients are accomodated.
- (c) In a building where a smoke exhaust system complying with AS6 is installed.

Acceptable solution

The automatic fire detection and alarm system must be connected to a fire station or other approved monitoring service.

System designator**W8****System element descriptor**

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A dedicated means of alerting the occupants must be provided.

Application

Buildings in alpine areas.

Acceptable solution

A manually operated fire alarm system with call-points complying with AS1670 must be installed.

SYSTEM ELEMENT 7 - BUILDING MANAGEMENT

System designator

BM1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

All fire safety systems must be maintained.

Application

Fire safety installations

Acceptable solution

All fire safety systems must be maintained.

SYSTEM ELEMENT 8 - MATERIALS CONTROL

System designator

M1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Components must not burn or release significant heat.

M1a

Application

If a bounding wall separating an *atrium* from the remainder of the building is set back from the perimeter of the *atrium well*, a balustrade that is imperforate and not less than 1 m high must be provided.

Acceptable solution

The balustrade must be *non-combustible*.

M1b

Application

In a *sanitary compartment*, a door or panel, together with its frame, which provides access to a ventilating, pipe, garbage or other service *shaft*.

Acceptable solution

The door or panel and its frame must be *non-combustible* or have an FRL of not less than - /30/30.

M1c

Application

External walls, common walls and the flooring and floor framing of lift pits.

Acceptable solution

The construction must be non-combustible.

M1d

Application

A finish or lining to a wall or roof, or in a sign, sunscreen or blind, awning, or other attachment to a building element which has the *required FRL, and that:*

- (i) is located near or directly above a *required exit* so as to make the *exit* unusable in a fire; and
- (ii) is not listed in Appendix M1 and does not comply with Acceptable solution M5a, M5b, M6, M7, M8 or M9 as appropriate.

Acceptable solution

The material must be non-combustible.

M1e

Application

A *curtain wall* or *panel wall* that does not have the required *FRL* and that is fully protected by *automatic external wall-wetting* sprinklers.

Acceptable solution

The wall must be of *non-combustible* construction.

M1f

Application

A *non-loadbearing-*

- (i) internal wall required to be fire-resisting; and
- (ii) lift, ventilating, pipe, garbage, or similar *shaft* that is not for the discharge of hot products of combustion.

Acceptable solution

The wall or shaft must be of *non-combustible* construction.

M1g Application

A roof that does not have the *required* *FRL* that is superimposed on a concrete slab roof that does.

Acceptable solution

The superimposed roof and any construction between it and the concrete slab roof must be *non-combustible* throughout.

M1h Application

In indoor sports stadiums and open spectator stands, columns and *loadbearing* walls supporting only the roof, if they do not have the *FRL* specified in E2c, S1b and FS1c.

Acceptable solution

The construction must be *non-combustible*.

M1i

Application

In indoor sports stadiums and open spectator stands, any *non-loadbearing* part of an *external wall* that does not have the *FRL* specified in E2c, S1b and FS1c and that is less than 3 m:

- (i) from any *fire-source feature* to which it is exposed if it has an *FRL* of not less than -/60/60; or
- (ii) from an external wall of another open spectator stand.

Acceptable solution

The construction must be *non-combustible*.

M1j

Application

A *non-loadbearing* internal wall that is required to be *fire-resisting*.

Acceptable solution

The construction must be *non-combustible*.

M1k

Application

Lift, ventilating, pipe, garbage, and similar shafts which are not for the discharge of hot products of combustion and not loadbearing,

- (i) in a Class 2, 3 or 9 building; and
- (ii) in a Class 5, 6, 7 or 8 building if the *shaft* connects more than 2 *storeys*.

Acceptable solution

The construction must be *non-combustible*.

M1l

Application

A wall *required* to be smoke-proof.

Acceptable solution

- (a) The construction must be *non-combustible*; and
- (b) any glazed areas must be of safety glass as defined in AS1288.

M1m

Application

Fascias, gutters, downpipes and the like built within 450 mm of an allotment boundary or built within 900 mm of the *external wall* or associated encroachments of another building on the same allotment.

Acceptable solution

The construction must be *non-combustible*.

M1n

Application

In a building complying with FS4d and fitted with a *sprinkler system*, any non-loadbearing *internal wall* that does not have the FRL criterion prescribed in FS2b and S2a.

Acceptable solution

The construction must be lined on both sides with 13 mm standard grade plasterboard or *non-combustible* material.

M1o

Application

A balcony, verandah or the like, and any columns supporting it, which:

- (a) is attached to or forms part of a building; and
- (b) does not comply with FS1 and E2 and
- (c) does not form part of the only path of travel to a *required* exit from the building; and
- (d) is situated not more than 2 *storeys* above the lowest *storey* providing direct egress to a road or *open space*.

Acceptable solution

The construction must be *non-combustible*.

M1p

Application

A balcony, verandah or the like, and any columns supporting it, which:

- (a) is attached to or forms part of a building; and
- (b) does not comply with FS2 or 3 and E2 and
- (c) does not form part of the only path of travel to a *required* exit from the building.

Acceptable solution

The construction must be *non-combustible*.

M1q

Application

A building that is fitted with an automatic smoke alarm system complying with W3 and W4.

Acceptable solution (Note - this is a concession)

- (i) Construction may be timber framing or *non-combustible* material; and
- (ii) any *fire wall* or *internal wall required* to be *fire-resisting* that extends to the underside of the *non-combustible* roof covering must not be crossed by timber or other *combustible* building elements, except for roof battens with dimensions of 75 mm x 50 mm or less; and
- (iii) any insulation installed in the cavity of a wall *required* to have an FRL must be *non-combustible*.

System designator

M2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Roof covering must not burn or release significant heat.

M2a

Application

A roof covering in a building where the roof does not comply with FS1 and the building:

- (a) has a *sprinkler system* installed throughout; or
- (b) has a *rise in storeys* of 3 or less; or
- (c) is of Class 2 or 3; or
- (d) has an *effective height* of not more than 25 m and the ceiling immediately below the roof has a *resistance to the incipient spread of fire* to the roof space of not less than 60 minutes.

Acceptable solution

The roof covering must be *non-combustible*.

M2b

Application

In an open spectator stand or indoor sports stadium, a roof that does not have the *FRL* specified in FS1c and S1c.

Acceptable solution

The roof must be *non-combustible*

M2c

Application

Roof covering or eaves lining in contact with *external walls* (including gables) referred to in E1q or E1r

Acceptable solution

The roof covering or eaves lining must be non-combustible.

M2d

Application

Rooflights or the like installed in a roof or part of a roof required to have a *non-combustible* covering that -

- (a) have an aggregate area more than 20% of the roof or part of the roof; and
- (b) are less than -
 - (i) 900 mm from -
 - (A) the allotment boundary other than the boundary adjoining a road alignment or other public space; or
 - (B) the vertical projection of a separating wall extending to the underside of the roof covering; or

- (ii) 1.8 m from any rooflight or the like in another building on the allotment other than an appurtenant building or a detached part of the same building.

Acceptable solution

The rooflight must be non-combustible

System designator

M3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1). Beyond that of reducing fire spread, we are unable to establish the intent of these requirements for construction to be of concrete or masonry.

M3a

Application

A loadbearing internal wall and a loadbearing fire wall (including those that are part of a loadbearing shaft)

Acceptable solution

The wall must be of concrete or masonry.

M3b

Application

Where a path of travel to an *exit* does not provide a person seeking egress with a choice of travel in different directions to alternative *exits* and is along an open balcony, landing or the like and passes an *external wall* of-

- (i) another sole-occupancy unit ; or
- (ii) a room not within a *sole-occupancy unit*.

Acceptable solution

The external wall must be constructed of concrete or masonry, or be lined internally with a *fire protective covering*

M3c

Application

A loadbearing internal wall and a loadbearing fire wall (including those that are part of a loadbearing shaft)

Acceptable solution

The wall must be of concrete or masonry.

M3d

Application

A building with a rise in storeys of not more than 4,

- (a) that has the top three *storeys* constructed in accordance FS4a; and
- (b) where the lowest *storey* is used solely for the purpose of parking motor vehicles or for some other ancillary purpose.

Acceptable solution

The construction of the lowest *storey*, including the floor between it and the *storey* above, must be of concrete or masonry.

System designator

M4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Beyond that of reducing fire spread, we are unable to establish the intent of these requirements which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

M4a

Application

A *sarking-type material*, except where superseded by M5, M6, M7 or M8 or listed in Appendix M1.

Acceptable solution

- (a) The sarking-type material must have a *Flammability Index* not more than 5; and
- (b) Paint or fire-retardant coatings must not be used in order to make a substrate comply with the required *Flammability Index*

M4b

Application

A material or component other than a sarking-type material, except where superseded by M5, M6, M7 or M8 or listed in Appendix M1.

Acceptable solution

- (a) The material must
 - (i) have a *Spread-of-Flame Index* not more than 9 and, if the *Spread-of-Flame Index* is more than 5, a *Smoke-Developed Index* not more than 8; or
 - (ii) be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
 - (iii) be a *fire-protective covering*.
- (b) Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index or Smoke-Developed Index*

M4c

Application

A composite member or assembly, except where superseded by M5, M6, M7 or M8 or listed in Appendix M1.

Acceptable solution

The member or assembly must be constructed so that when assembled as proposed in a building-

- (a) any material which does not comply with M5b is protected on all sides and edges from exposure to the air; and
- (b) the member or assembly, when tested in accordance with [BCA Specification A2.4], has a *Smoke-Developed Index* and a *Spread-of-Flame Index* not exceeding those prescribed in M5b; and

- (c) the member or assembly retains the protection in position so that it prevents ignition of the material and continues to screen it from access to free air for a period of not less than 10 minutes.

System designator

M5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Beyond that of reducing fire spread, we are unable to establish the intent of these requirements for exits, which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

Application

A material used in a fire-isolated stairway, fire-isolated passageway, or fire-isolated ramp

Acceptable solution

- (a) The material must be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
- (b) The material must be a *fire-protective covering*; or
- (c) The material, if it is not a *sarking-type material* used in a ceiling or used as a finish, surface, lining or attachment, must have a-
 - (i) Spread-of-Flame Index of 0; and
 - (ii) *Smoke-Developed Index* of not more than 2; and
 - (iii) if *combustible*, be attached directly to a *non-combustible* substrate and not exceed 1 mm in finished thickness; or
- (d) A *sarking-type material* used in the form of an exposed wall or ceiling, or as a finish or attachment thereto, must have a *Flammability Index* of 0.

Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index*, *Smoke-Developed Index* or *Flammability Index*.

System designator

M6

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Beyond that of reducing fire spread, we are unable to establish the intent of these requirements for public corridors, which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

M6a

Application

A material, other than a *sarking-type material*, that is used as a finish, surface, lining or attachment to any wall or ceiling in a *public corridor* which is a means of egress to-

- (a) a *required fire-isolated stairway* or an external stairway used instead; or
- (b) a *required fire-isolated passageway*, or *required fire-isolated ramp*,

M6b

Application

Materials attached to any wall, ceiling or floor within the shaft of an escalator, moving walkway or *non-required non-fire-isolated stairway* or pedestrian ramp that connects more than 2 storeys, or 3 storeys if the building is sprinklered.

Acceptable solution for M6a-b

(note:(a)(i) and (ii) below do not apply to M6b in the BCA)

The material must:

- (a)
 - (i) be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
 - (ii) be a *fire-protective covering*; or
 - (iii) have a *Spread-of-Flame Index* of 0 and a *Smoke-Developed Index* of not more than 5
- (b) Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index*, *Smoke-Developed Index* or *Flammability Index*.

System designator

M7

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1). Beyond that of reducing fire spread, we are unable to establish the intent of these requirements for health-care buildings, which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

Application

A material, other than a *sarking-type material*, used as a finish, surface, lining or attachment.

Acceptable solution

The material must:

- (a) be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
- (b) be a *fire-protective covering*; or
- (c) if it is:
 - a ceiling - have a *Spread-of-Flame Index* of 0 and a *Smoke-Developed Index* of not more than 3; or
 - a wall - have a *Spread-of-Flame Index* of not more than 2 and a *Smoke-Developed Index* of not more than 5, except that skirtings of up to 150 mm above the floor may be considered as, and have the Early Fire Hazard Indices of, the floor covering; or
 - a floor - have a-
 - (i) *Spread-of-Flame Index* of not more than 3 and a *Smoke-Developed Index* of not more than 5; or
 - (ii) *Spread-of-Flame Index* of 0 and a *Smoke-Developed index* of not more than 6;

Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index, Smoke-Developed Index or Flammability Index*.

System designator

M8

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Beyond that of reducing fire spread, we are unable to establish the intent of these requirements for theatres, which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

M8a

Application

In the auditorium or audience seating area, a material other than a *sarking-type material*, used as a finish, surface, lining or attachment.

Acceptable solution

The material must:

- (a)
 - (i) be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
 - (ii) be a *fire-protective covering*; or
 - (iii) if it is:
 - a ceiling - have a *Spread-of-Flame Index* of not more than 6 and a *Smoke-Developed Index* of not more than 3; or
 - a wall - have a *Spread-of-Flame Index* of not more than 6 and a *Smoke-Developed Index* of not more than 5; or
 - a floor - have a *Spread-of-Flame Index* of not more than 7 and a *Smoke-Developed Index* of not more than 5.
- (b) Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index*, *Smoke-Developed Index* or *Flammability Index*.

M8b

Application

In the auditorium or audience seating area, a material used in any part of fixed seating.

Acceptable solution

the material must have a *Spread-of-Flame Index* of 0 and a *Smoke-Developed Index* of not more than 5.

M8c

Application

A fire safety curtain protecting an opening in a proscenium wall.

Acceptable solution

a fire safety curtain must either:

- (a)
 - (i) be made of *non-combustible* material; and
 - (ii) be capable of withstanding a pressure differential of 0.5 kPa over its entire surface area; and
 - (iii) be so fitted that when fully lowered it inhibits the penetration of smoke around the perimeter of the opening, from the *stage*; or
- (b)
 - (i) have a *Spread-of-Flame Index* not greater than 0 and a *Smoke-Developed Index* not greater than 3; and

(ii) be protected by a deluge system of open sprinklers installed along the full width of the curtain.

System designator

M9

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Beyond that of reducing fire spread, we are unable to establish the intent of these requirements which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

Application

In a building not protected by a *sprinkler system*, in the auditorium or audience seating area, where the auditorium is used mainly for indoor swimming or ice skating, a material other than a *sarking-type material*, used as a finish, surface, lining or attachment to a floor.

Acceptable solution

- (a) The material must:
 - (i) be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
 - (ii) be a *fire-protective covering*; or
 - (iii) have a *Spread-of-Flame Index* of not more than 9 and a *Smoke-Developed Index* of not more than 8.
- (b) Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index*, *Smoke-Developed Index* or *Flammability Index*.

System designator

M10

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Beyond that of reducing fire spread, we are unable to establish the intent of these requirements which allow a number of alternatives varying from controls on early fire hazard indices to fire-protective coverings.

Application

In a building not protected by a *sprinkler system*, in the auditorium or audience seating area, where the auditorium is used mainly for indoor sports or multi-purpose functions other than swimming or ice skating, a material other than a *sarking-type material*, used as a finish, surface, lining or attachment to a floor.

Acceptable solution

- (a) The material must:
 - (i) be plaster, cement render, concrete, terrazzo, ceramic tile or the like; or
 - (ii) be a *fire-protective covering*; or
 - (iii) have a *Spread-of-Flame Index* of not more than 8 and a *Smoke-Developed Index* of not more than 7.
- (b) Paint or fire-retardant coatings must not be used in order to make a substrate comply with a *required Spread-of-Flame Index*, *Smoke-Developed Index* or *Flammability Index*.

System designator

M11

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1). Beyond that of reducing fire spread and enhancing the ability of the escape path to function, we are unable to establish the intent of these requirements for stairs and ramps.

Application

required stairs and ramps (including landings and any supporting structural members) which are not required to be within a fire-resisting shaft.

Acceptable solution

The stairs must be constructed of-

- (a) *non-combustible* materials and so that if there is local failure, it will not cause structural damage to, or impair the fire-resistance of, the *shaft*; or
- (b) reinforced or prestressed concrete; or
- (c) steel in no part less than 6 mm thick; or
- (d) timber that-
 - (i) has a finished thickness of not less than 44 mm; and
 - (ii) has an average density of not less than 800 kg/m³ at a moisture content of 12%; and
 - (iii) has not been joined by means of glue unless it has been laminated and glued with resorcinol formaldehyde or resorcinol phenol formaldehyde glue.

System designator

M12

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Materials used on the exterior of the building must resist ignition by embers.

Application

A building that is that is constructed in a *designated bushfire prone area*.

Acceptable solution

A building must be provided with protection in accordance with *AS 3959*.

System designator

M13

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Sarking must not spread fire.

Application

Any sarking-type material used in the roof.

Acceptable solution

The material must have a *Flammability Index* of not more than 5.

System designator

M14

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Where building elements that are required to resist the spread of fire are of lightweight construction, the construction must be robust.

M14a

Application

Lightweight construction that is used in a wall system that is required to have an FRL.

M14b

Application

In a spectator stand, sports stadium, cinema or theatre, railway station, bus station or airport terminal, lightweight construction that is used in a wall system for a lift shaft, stair shaft, or service shaft or an external wall bounding a public corridor including a non fire-isolated passageway or ramp.

M14c

Application

Lightweight construction that is used in an internal wall bounding a sole-occupancy unit or separating adjoining units.

M14d

Application

Lightweight construction that is used in the bounding construction of a shaft containing an escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp in accordance with Specification FS1m.

M14e

Application

Lightweight construction that is used in a wall that separates two dwellings, or separates a dwelling from a private garage that is not appurtenant to that dwelling.

Acceptable solution for M14a - e

The lightweight construction must comply with Specification M14.

M14f

Application

Columns protected by lightweight construction to achieve an FRL.

Acceptable solution

- (a) If the column passes through a building element that is required to have an FRL or a resistance to the incipient spread of fire, the column must be installed so that the fire-resisting performance of the building element is not impaired. The method and materials of construction must be identical with a prototype assembly of the construction which has achieved the required FRL or resistance to the incipient spread of fire; and

- (b) if the covering is not in continuous contact with the column, then the void must be filled solid, to a height of not less than 1.2 m above the floor to prevent indenting; and
- (c) if the column is liable to be damaged from the movement of vehicles, materials or equipment, then the covering must be protected by steel or other suitable material.

Specification M14

1 Walls of shafts and fire-isolated exits generally

A wall of lightweight construction that is required to be fire-resisting and which bounds a lift shaft, stair shaft, or service shaft, fire-isolated passageway or fire-isolated ramp must be subjected to the following tests and must fulfil the following criteria:

- (a) The materials tests of Clause 5(a) and the criteria of Clause 6(a).
- (b) A static test by the imposition of a uniformly distributed load of 0.35 kPa (or its equivalent) in accordance with Clause 5(b) and the damage and deflection criteria of Clauses 6(b) and (c) respectively.
- (c) A dynamic test by the fall of the impact bag through a height of 150 mm in accordance with Clause 5(c) and the damage and deflection criteria of Clauses 6(b) and (d) respectively.
- (d) The surface indentation test of Clause 5(d) and the surface indentation criterion of Clause 6(e).

2 Walls of certain Class 9b buildings

In a spectator stand, sports stadium, cinema or theatre, railway or bus station or airport terminal, lightweight construction forming-

- (a) a wall of a lift shaft and stair shaft; or
- (b) an external and internal wall bounding a public corridor, public hallway or the like, including a fire-isolated and non fire-isolated passageway or ramp,

must be subjected to the following tests and must fulfil the following criteria:

- (i) The materials tests of Clause 5(a) and the criteria of Clause 6(a).
- (ii) A static test by the imposition of a uniformly distributed load of 1.0 kPa (or its equivalent) in accordance with Clause 5(b) and the damage and deflection criteria of Clauses 6(b) and (c) respectively.
- (iii) A dynamic test by the fall of the impact bag through a height of 350 mm in accordance with Clause 5(c) and the damage and deflection criteria of Clauses 6(b) and (d) respectively.
- (iv) The surface indentation test of Clause 5(d) and the surface indentation criterion of Clause 6(e).

3 Additional requirements for lift shafts

- (a) In addition to the requirements of Clauses 3.1 and 3.2, a wall system for use in a lift shaft that is required to be fire-resisting must be subjected to dynamic test by the imposition of-

- (i) where the lift car speed is 7m/s or less - 106 cycles of a uniformly distributed load between 0 and 0.2 kPa (or its equivalent); or
- (ii) where the lift car speed is greater than 7 m/s - 106 cycles of a uniformly distributed load between 0 and 0.35 kPa (or its equivalent) in accordance with Clause 5(e) and must fulfil the damage criteria of Clause 6(b).

- (b) The wall system must be subjected to the static test in accordance with Clause 3.2(b) after the successful conclusion of the dynamic test specified in (a).

4 Walls generally

An external and internal wall of lightweight construction that is required to be fire-resisting, other than one covered by Clauses 3.1, 3.2 or 3.3, must be subjected to the following tests and must fulfil the following criteria:

- (a) The materials tests of Clause 5(a) and the criteria of Clause 6(a).

- (b) A static test by the imposition of a uniformly distributed load of 0.25 kPa (or its equivalent) in accordance with Clause 5(b) and the damage and deflection criteria of Clauses 6(b) and (c) respectively.
- (c) A dynamic test by fall of the impact bag through a height of 100 mm in accordance with Clause 5(c) and the damage and deflection criteria of Clauses 6(b) and (d) respectively.
- (d) The surface indentation test of Clause 5(d) and the surface indentation criterion of Clause 6(e).

5 *General*

Testing must be carried out on either-

- (a) construction in situ; or
- (b) a laboratory specimen of the construction

6 *Test methods*

Tests must be carried out in accordance with the following:

- (a) Material tests - The methods specified for the constituent materials of the construction of the standards adopted by reference in the BCA.
- (b) For resistance to static pressure - The provisions for testing walls under transverse load in ASTM E72-80, except that-
 - (i) support conditions must be as specified in Clause 4.3; and
 - (ii) equivalent load shall mean the quarter-point load that produces the same deflection or central moment as appropriate.
- (c) For resistance to impact - The provisions for testing wall systems in ASTM E695-79 (1985), except that-
 - (i) the point of impact must be set 1.5 m above finished floor level or 1.5 m above the part of the specimen that corresponds to finished floor level; and
 - (ii) the impact bag must be not less than 225 mm in diameter and not more than 260 mm in diameter and have a mass of 27.2 kg (+ 0.1 kg, -0); and
 - (iii) the mass must be achieved by putting loose, dry sand into the bag and must be adjusted before each series of impact tests; and
 - (iv) where the impact bag and suspension cannot be vertical at the instant of impact on a curved surface or an inclined surface, the height of drop is the net height at the point of impact.
- (d) For resistance to surface indentation - For all materials irrespective of composition the test for surface hardness of Clause A2 of Appendix A of AS 2185.
- (e) For resistance of lift shaft construction to repetitive load - As for 5(b) except that-
 - (i) it is sufficient to test one specimen with the pressure applied from the side of the construction on which the lift will operate; and
 - (ii) the load must be applied dynamically at a frequency not less than 1 Hz and not more than 3 Hz; and
 - (iii) equivalent load shall mean the quarter-point load that produces the same central moment as the distributed load.

Criteria of compliance

The wall system or the specimen of it must fulfil the following criteria:

- (a) Materials - Materials must comply with the applicable standard adopted by reference in the BCA.

- (b) Damage - There must no crack, penetration or permanent surface-deformation to a depth of more than 0.5 mm or any other non-elastic deformation or fastener failure.
- (c) Deflection - Static pressure - Under static pressure the deflection must not be more than-
 - (i) 1/240th of the height between supports; nor
 - (ii) for construction other than a lift shaft - 30 mm; or
 - (iii) for a lift shaft - 20 mm unless the requirements of Clause 15.2(a) of AS 1735.2 are fulfilled.
- (d) Deflection - Impact - Under impact the instantaneous deflection must not be more than-
 - (i) 1/120th of the height of the wall between supports; nor
 - (ii) for construction other than a lift shaft - 30 mm; or
 - (iii) for a lift shaft - 20 mm unless the requirements of Clause 15.2(a) of AS 1735.2 are fulfilled.
- (e) Surface indentation - No impression must be more than 5 mm in diameter

Appendix M1

- (a) timber-framed *windows*; or
- (b) solid timber handrails or skirtings; or
- (c) timber-faced solid-core or fire doors; or
- (d) electrical switches, outlets, cover plates or the like; or
- (e) materials used for-
 - (i) roof covering or membranes, or roof insulating material, applied in continuous contact with a substrate; or
 - (ii) adhesives; or
 - (iii) damp-proof courses, flashing, caulking, sealing, ground moisture barriers, or the like; or
- (f) paint, varnish, lacquer or similar finish, other than nitro-cellulose lacquer; or
- (g) a clear or translucent rooflight of glass fibre reinforced polyester if-
 - (i) the roof in which it is installed forms part of a single *storey* building *required* to be of Type C construction; and
 - (ii) the material is used as part of the roof covering; and
 - (iii) it is not prohibited by any other clause of the BCA; and
 - (iv) it is not closer than 1.5 m from another rooflight of the same type; and
 - (v) each rooflight is not more than 14 m² in area; and
 - (vi) the area of the rooflights per 70 m² of roof surface is not more than 14 m²; or
- (h) the face plates and neck adaptors of supply and return air outlets of air-handling systems; or
- (i) the face plates or diffuser plates of light fittings and emergency *exit* signs and associated electrical wiring and electrical components; or
- (j) any other material that does not significantly increase the hazards of fire.

SYSTEM ELEMENT 9 - OCCUPANT FIRE FIGHTING

System designator

OF1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Hose reels must be located to allow adequate access to, and coverage of, each area within the building.

OF1a

Application

- (a) Buildings where one or more internal hydrants are installed.
- (b) Fire compartments with a floor area greater than 500 m².

Acceptable solution

- (a) Adequate hose reels must be provided so that the nozzle end of a fully extended fire hose fitted to the reel and laid to avoid any partitions or other physical barriers will reach every part of the floor of the storey; and
- (b) Hose reels must comply with Specification OF1; and
- (c) Hose reels must be located in accordance with the following Table:

<i>Occupancy</i>	<i>Minimum number and location of hose reels</i>
A sole-occupancy unit of not more than 2 storeys	a single hose reel located at the level of egress from the sole-occupancy unit
Other occupancies	One hose reel on each storey

OF1b

Application

- (a) Buildings where one or more internal hydrants are installed.
- (b) Fire compartments with a floor area greater than 500 m².

Acceptable solution

- (a) Adequate hose reels must be provided so that the nozzle end of a fully extended fire hose fitted to the reel and laid to avoid any partitions or other physical barriers will reach every part of the floor of the storey; and
- (b) A hose reel must be provided to serve each storey; and
- (c) Hose reels must comply with Specification OF1.

OF1c

Application

- (a) Buildings where one or more internal hydrants are installed.
- (b) Sole-occupancy units with a floor area greater than 500 m².

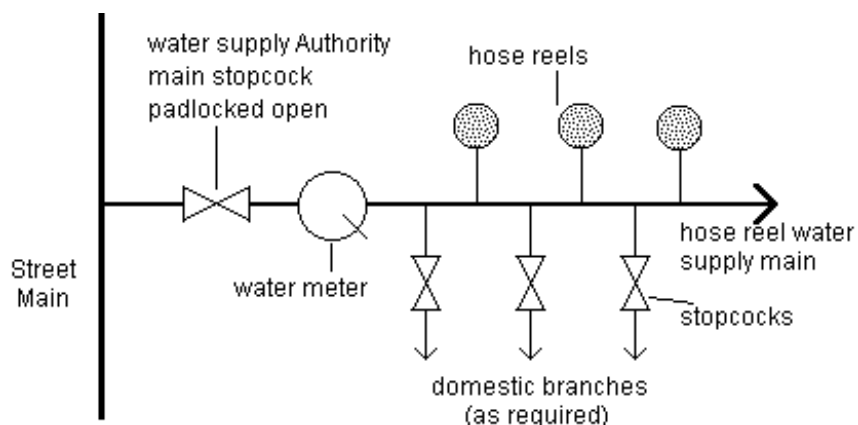
Acceptable solution

- (a) Adequate hose reels must be provided so that the nozzle end of a fully extended fire hose fitted to the reel and laid to avoid any partitions or other physical barriers will reach every part of the floor of the storey; and
- (b) A hose reel must be located at the level of egress from each sole-occupancy unit; and
- (c) Hose reels must comply with Specification OF1.

Specification OF1

- (a) Hose reels must be installed in accordance with AS 2441.
- (b) Hose reels must be located:
 - (i) (A) externally; or
 - (B) internally within 4 m of an exit; or
 - (C) internally adjacent to a hydrant (other than one within a fire-isolated exit); and
 - (ii) so that the hose will not need to pass through doorways fitted with fire or smoke doors, except doorways:
 - (A) separating an electricity substation or main switchboard that sustains emergency equipment;
 - (B) providing access from a sole-occupancy unit in a class 2 or 3 building;
 - (C) in a class 2 or 3 building, providing access to a public corridor, public hallway or the like or the landing of an internal non-fire-isolated stairway that serves as an exit;
 - (D) from a class 4 part;
 - (E) providing access to a ventilating, pipe, garbage or other service shaft; and
- (c) Where hose reels are connected to a metered water supply:
 - (i) the flow rate and pressure must be able to be maintained at the most hydraulically disadvantaged hose reel; and
 - (ii) the water meter and street supply to the allotment must have a nominal diameter of not less than 25 mm; and
 - (iii) the water supply pipework reticulation arrangements must comply with the figure below; and

WATER SUPPLY RETICULATION: COMBINED SERVICES



- (iv) any system valve which can isolate flow in the hose reel water supply main must be secured in the open position by a padlocked metal strap and have attached an engraved non-ferrous metal tag with 8 mm upper case wording:
FIRE SERVICE VALVE -
CLOSE ONLY TO SERVICE FIRE HOSE REELS;
and

- (d) If the hose reel system is supplied by a fire hose reel main greater than 25 mm nominal bore and connected to a fire hydrant main, a valve in accordance with (c)(iv) must be fitted at the connection to that main and wherever practicable must be located in a fire-isolated stairway, passageway or ramp, or outside the building.

System designator

OF2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Portable fire extinguishers appropriate to the hazard must be provided.

OF2a

Application

In the building.

Acceptable solution

- (a) Portable fire extinguishers must be provided and installed in accordance with AS 2444, except water-type extinguishers need not be installed in a building or part of a building served by a fire hose reel; and
- (b) extinguishers provided for fires other than Class A fires must be suitably located adjacent to the relevant risk; and
- (c) where water-type extinguishers are provided, they must be located, wherever practicable, adjacent to required exits.

OF2b

Application

Buildings under construction

Acceptable solution

Not less than one fire extinguisher to suit Class A, B and C fires and electrical fires must be provided at all times on each storey adjacent to each required exit or temporary stair or exit.

SYSTEM ELEMENT 10 - BRIGADE FIRE FIGHTING

System designator

BF1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1). Hydrants must be located to allow adequate fire-fighting access to, and coverage of, each area within the building.

BF1

Application for BF1a, b and c

All buildings having a total floor area greater than 500 m² and where an operational fire service is available to attend a building fire.

BF1a

Acceptable solution

- (a) Hydrants must be provided in accordance with Specification BF1; and
- (b) Hydrants must be located in accordance with the following Table:

<i>Occupancy</i>	<i>Minimum number and location of hydrants</i>
A sole-occupancy unit of not more than 2 storeys (where the hydrant can provide coverage to the whole of the sole-occupancy unit) <i>Note: this is covered in the descriptor</i>	a single hydrant located at the level of egress from the sole-occupancy unit
Other occupancies	One hydrant on each storey

BF1b

Acceptable solution

- (a) Hydrants must be provided in accordance with Specification BF1; and
- (b) A hydrant must be provided to serve each storey

BF1c

Acceptable solution

- (a) Hydrants must be provided in accordance with Specification BF1; and
- (b) A hydrant must be provided at the level of egress from each sole-occupancy unit

Specification BF1

- (a) The fire hydrant system must be installed in accordance with AS 2419.1; and
- (b) where an on-site pumpset is provided to achieve the performance requirements of AS 2419.1 the pumpset must comprise:
 - (i) two pumps with at least one driven by a compression ignition engine or an electric motor supplied from an emergency power generator; or
 - (ii) two pumps driven by electric motors connected to completely independent power sources; or
 - (iii) if connected to a reticulated water supply and installed in a building not greater than 25 m in effective height, one pump driven by
 - (A) a compression ignition engine; or
 - (B) an electric motor supplied from an emergency power generator; or
 - (C) an electric motor connected to two completely independent power sources through an automatic change-over facility;
- (c) Where any fixed on-site pumpset is located within the building, it must be in a clearly indicated room
 - (i) having direct egress to a road or open space; and
 - (ii) if the building is not protected throughout with a sprinkler system, separated from the remainder of the building by construction having an FRL of not less than that required for a fire wall for the particular building classification; and
- (d) where any fixed on-site pumpset is located external to the building, it must be within a clearly indicated weatherproof enclosure having direct egress to a road or open space, and if within 6 m of the building:
 - (i) each wall of the enclosure exposed to the building; or
 - (ii) that part of the external wall of the building which extends 2 m each side of the enclosure and 3 m above the enclosure; or
 - (iii) a wall between the building and the enclosure which extends 2 m each side of the enclosure and 3 m above the enclosure,must have an FRL of not less than that required for a fire wall for the particular building; and
- (e) where the water supply system is taken from a static source, suitable connections and vehicular access must be provided to permit fire-fighters to draw water from that source and an adjacent fire-service booster connection must be provided to allow boosting of the system; and
- (f) the fire hydrant system must be designed to meet the operational requirements of the local fire service for operating flows and pressures.

System Designator

BF2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Lifts must be suitable for operation in emergencies to permit evacuation and to facilitate fire-brigade operations.

BF2a

Application

Passenger lifts installed in any building with an effective height of more than 12 m.

Acceptable solution

Each floor served by the lifts must have at least one lift that can accommodate a raised stretcher with a patient lying on it horizontally by providing a clear space not less than 600 mm wide x 2000 mm long x 1400 mm high above the floor level.

BF2b

Application

Passenger lifts

Acceptable solution

One or more lifts fitted as Emergency Lifts must be installed to serve each floor served by the lifts.

Emergency Lifts must:

- (a) comply with AS 1735.2; and
- (b) comply with BF2a; and
- (c) if the building has an effective height of more than 75 m, have a rating of at least 600 kg.

BF2c

Application

Passenger lifts installed in a building in which patient care areas are located above a level with direct egress to a road or open space.

Acceptable solution

One or more lifts fitted as Emergency Lifts must be installed to serve each floor served by the lifts; and

Emergency Lifts must:

- (a) comply with AS 1735.2; and
- (b) comply with BF2a; and
- (c) if the lift serves a patient care area, have the following minimum dimensions, measured clear of all obstructions, including handrails, etc.:
 - Minimum depth of car 2280 mm
 - Minimum width of car 1600 mm
 - Minimum floor to ceiling height 2300 mm
 - Minimum door height 2100 mm
 - Minimum door width 1300 mm; and
- (d) if the lift serves a patient care area, be connected to a standby power supply system where installed; and

- (e) have a rating of at least 600 kg if the building has an effective height of more than 75 m.

System designator

BF3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Large buildings must be provided with a centre from which fire-fighting operations can be controlled.

Application

Large buildings

Acceptable solution

A fire control centre facility must be provided.

The fire control centre must:

- (a) provide an area from which fire fighting operations or other emergency procedures can be directed or controlled; and
- (b) contain controls, panels, telephones, furniture, equipment and the like associated with the required fire services in the building; and
- (c) not be used for any purpose other than the control of-
 - (i) fire fighting activities; and
 - (ii) other measures concerning the safety or security of the building occupants; and
- (d) comply with Specification BF3.

Specification BF3

Location of fire-control centre or room

A fire control centre or room must be so located in a building that egress from any part of its floor, to a public road or open space, does not involve changes in level which in aggregate exceed 300 mm.

Construction

A fire-control centre in a building more than 50 m in effective height must be in a separate room where

- (a) the enclosing construction is of concrete, masonry or the like, sufficiently impact resistant to withstand the impact of any likely falling debris, and with an FRL of not less than 120/120/120; and
- (b) any material used as a finish, surface, lining or the like within the room complies with Acceptable Solution M6; and
- (c) services, pipes, ducts and the like that are not directly required for the proper functioning of the fire control room do not pass through it; and
- (d) openings in the walls, floors or ceiling which separate the room from the interior of the building are confined to doorways, ventilation and other openings for services necessary for the proper functioning of the facility.

Protection of openings

Openings permitted by (d) above must be protected as follows:

- (a) Openings for windows, doorways, ventilation, service pipes, conduits and the like, in an external wall of the building that faces a public road or open space, must be protected in accordance with [Part C3 as applicable-include ref to designator from compartmentation]
- (b) Openings in the floors, ceilings and internal walls enclosing a fire control room must, except for doorways, be protected in accordance with [Part C3, as appropriate - include ref to designator from compartmentation]
- (c) A door opening in the internal walls enclosing a fire-control room, must be fitted with a self closing - /120/30 smoke sealed fire door.
- (d) Openings associated with natural or mechanical ventilation must:
 - (i) not be made in any ceiling or floor immediately above or below the fire control room; and
 - (ii) be protected by a - /120/ - fire damper if the opening is for a duct through a wall required to have an FRL, other than an external wall.

Exit doors

- (a) Required doors to a fire control room must open into the room, be lockable and located so that persons using escape routes from the building will not obstruct or hinder access to the room.
- (b) The fire control room must be accessible via two paths of travel:
 - (i) one from the front entrance of the building; and
 - (ii) one direct from a public place or fire-isolated passageway which leads to a public place and has an FRL of not less than - /120/30.

Size and contents

- (a) A fire control room must contain not less than:
 - (i) a fire indicator panel and necessary control switches and visual status indication for all required fire pumps, smoke control fans and other required fire safety equipment installed in the building; and

- (ii) a telephone directly connected to an external telephone exchange; and
 - (iii) a blackboard or whiteboard not less than 1200 mm wide x 1000 mm high; and
 - (iv) a pin up board not less than 1200 mm wide x 1000 mm high; and
 - (v) a raked plan layout table of a size suitable for laying out the plans provided under (vi); and
 - (vi) colour-coded, durable, tactical fire plans.
- (b) In addition, a fire control room may contain:
- (i) master emergency control panels, lift annunciator panels, remote switching controls for gas or electrical supplies and emergency generator backup; and
 - (ii) building security, surveillance and management systems if they are completely segregated from all other systems.
- (c) A fire-control room must
- (i) have a floor area of not less than 10 m² and the length of any internal side must be not less than 2.5 m; and
 - (ii) if only the minimum prescribed equipment is installed - have a net floor area of not less than 8 m² with a clear space of not less than 1.5 m² in front of the Fire Indicator Panel; and
 - (iii) if additional equipment is installed - have an additional area of not less than 2 m² net floor area for each additional facility and a clear space of not less than 1.5 m² in front of each additional control or indicator panel, and the area required for any path of travel through the room to other areas must be provided in addition to the requirements (ii) and (iii).

Ventilation and power supply

A fire control room must be ventilated by:

- (a) natural ventilation from a window or doorway in an external wall of the building which opens directly into the fire control room from a roadway or open space; or
- (b) a pressurisation system that only serves the fire control room, and:
 - (i) is installed in accordance with AS 1668.1 as though the room is a fire-isolated stairway; and
 - (ii) is activated automatically by operation of the fire alarm or sprinkler system installed in the building and manually by an over-riding control in the room; and
 - (iii) provides a flow of fresh air through the room of not less than 30 air changes per hour when the system is operating and any door to the room is open; and
 - (iv) has fans, motors and ductwork that form part of the system but not contained within the fire-control room protected by enclosing construction with an FRL of not less than 120/120/120; and
 - (v) has any electrical supply to the fire-control room or equipment necessary for its operation connected to the supply side of the main disconnection switch for the building, and no openable devices other than necessary doorways, pressure controlled relief louvres and windows that are openable by a key, must be constructed in the fire control room.

Sign

The external face of the door to the fire control room must have a sign with the words
FIRE CONTROL ROOM
in letters of not less than 50 mm high and of a colour which contrasts with that of the background.

Lighting

Emergency lighting in accordance with WF2 must be provided in a fire control room, except that an illumination level of not less than 400 lux must be maintained at the surface of the plan table.

Equipment not permitted within a fire control centre or room

An internal combustion engine, pumps, sprinkler control valves, pipes and pipe fittings must not be located in a fire control centre or room, but may be located in rooms accessed through the fire control centre or room.

Ambient sound level

The ambient sound level within the fire control centre or room measured when all fire safety equipment is operating in the manner in which it operates in an emergency, must not exceed 65 dB(A), when determined in accordance with AS 2107.

System designator

BF4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Sufficient access around the building must be provided for fire-fighting vehicles.

BF4a

Application

- (a) In public car parks, only where no sprinkler system is installed.
- (b)
 - (i) The ceiling height of the fire compartment is not more than 12 m, and it has a smoke exhaust system in accordance with AS6 or smoke-and-heat vents in accordance with AS3; or
 - (ii) the ceiling height of the fire compartment is more than 12 m, and it has a smoke exhaust system in accordance with AS6.

Acceptable solution

The building must be provided with perimeter vehicular access that complies with Specification BF4.

BF4b

Application

In public car parks, only where no sprinkler system is installed.

Acceptable solution

The building must be provided with a perimeter vehicular access complying with Specification BF4.

BF4c

Application

- (a) A building that contains not more than 2 storeys.
- (b) In public car parks, only where no sprinkler system is installed.

Acceptable solution

An open space must be provided around the building that includes vehicular access in accordance with Specification BF4.

Specification BF4

- (a) Vehicular access must:
 - (i) be capable of providing emergency vehicle access and passage from a public road; and
 - (ii) have a minimum unobstructed width of 6 m with no part of its furthest boundary more than 18 m from the building and in no part of the 6 m width be built upon or used for any purpose other than vehicular or pedestrian movement; and
 - (iii) provide reasonable pedestrian access from the vehicular access to the building; and
 - (iv) be of adequate load bearing capacity and unobstructed height to permit the operation and passage of Fire Brigade vehicles.

- (b) A public road that complies with (a) may serve as part or all of the vehicular access.

SYSTEM ELEMENT 11 - COMMUNICATIONS

System designator

C1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Means of intercommunication between wardens must be provided.

C1a

Application

Buildings containing an atrium.

C1b

C1c

Application

Those buildings used as:

- (a) the residential part of a school; or
- (b) accommodation for the aged, children or people with disabilities.

C1d

Application

Buildings having a floor area of more than 1000m² or a rise in storeys of more than 2.

C1e

Application

Buildings having a rise in storeys of more than 3

C1f

Application

Buildings having a floor area more than 1000m² or a rise in storeys of more than 2.

Acceptable solution for C1a - f

The building must be provided with an emergency warning and intercommunication system which complies with AS 2220.

System designator

C2

System descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Information about emergency procedures must be provided.

Application

Buildings in alpine areas

Acceptable solution

A notice must be displayed in suitable locations near the main entrance and on each storey, clearly marked 'FIRE ORDERS' and explaining -

- (i) the method of operation of the fire alarm system and the location of all call-points; and
- (ii) the location and methods of operation of all fire-fighting equipment; and
- (iii) the location of all exits; and
- (iv) the procedure for evacuation of the building.

SYSTEM ELEMENT 12 - SMOKE COMPARTMENTATION

System designator:

SM1

System Element Descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
The spread of smoke within the roof space must be limited.

Application

Where smoke and heat vents are fitted

Acceptable solution

The space below the roof must be divided into compartments with area of not more than 1500 m².

System Designator

SM2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Smoke must be prevented from entering required stairs and exit ways.

SM2a

Application

Open access ramps and balconies that form part of an exit

Acceptable solution

The ramp or balcony must-

- (a) have ventilation openings to the outside air which-
 - (i) have a total unobstructed area not less than the floor area of the ramp or balcony; and
 - (ii) are evenly distributed along the open sides of the ramp or balcony; and
- (b) not be enclosed on its open sides above a height of 1 m except by an open grille or the like having a free air space of not less than 75% of its area.

SM2b

Application

Doorways opening to a fire-isolated exit

Acceptable solution

Smoke lobbies

If more than 2 access doorways, not from a *sanitary compartment* or the like, open to a *required* fire-isolated *exit* in the same *storey* a smoke lobby complying with Specification SM2 must be provided.

Specification SM2

A smoke lobby must-

- (a) have a floor area not less than 6 m²; and
- (b) be separated from the occupied areas in the storey by walls which are impervious to smoke, and-
 - (i) have an FRL for integrity of not less than 60 (which may be fire-protective grade plasterboard, gypsum block with set plaster, face brickwork, glass blocks or glazing); and
 - (ii) extend from slab to slab, or to the underside of a ceiling with a resistance to the incipient spread of fire of 60 minutes which covers the lobby; and
 - (iii) any construction joints between the top of the walls and the floor slab, roof or ceiling must be smoke sealed with intumescent putty or other suitable material; and
- (c) be pressurised as part of the exit, if the exit is pressurised to comply with AS2.
- (d) at any opening from the occupied areas, have smoke doors constructed so that smoke will not pass from one side of the doorway to the other and, if they are glazed, there is minimal danger of a person being injured by accidentally walking into them.
- (e) A smoke door of one or two leaves satisfies (d) if it is constructed as follows:
 - (i) The leaves must be side-hung to swing-
 - in the direction of egress; or
 - in both directions; and
 - (ii) The leaves must be capable of resisting smoke at 200^oC for 30 minutes
 - solid-core leaves at least 35 mm thick satisfy (ii); and
 - (iii) The leaves must be fitted with smoke seals; and
 - (iv) The leaves must be normally in the closed position, or closed *automatically* with the *automatic* closing operation initiated by smoke detectors, installed in accordance with the relevant provisions of AS 1670, located on the approach side of the opening not more than 1.5 m from the opening. In the event of power failure to the door, the leaves must fail-safe in the closed position.
 - (v) The leaves must return to the fully closed position after each manual opening.
 - (vi) Any glazing incorporated in the door must comply with AS 1288.
 - (vii) If a glazed panel is capable of being mistaken for an unobstructed *exit*, the presence of the glass must be identified by opaque construction
 - an opaque mid-height band, mid-rail or crash bar satisfies (vii).

System Designator

SM3

System Element Descriptor:

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

The spread of smoke must be limited.

SM3a

Application

Public corridors more than 40 m long.

Acceptable solution

The corridor must be divided at intervals of not more than 40 m with smoke-proof construction that:

- (a) has non-combustible lining material; and
- (b) complies with Specification SM3.

SM3b

Application

Treatment areas with floor area more than 1000 m² in patient care areas.

Acceptable solution

The treatment area must be divided into floor areas of not more than 1000 m² with -

- (a) walls having an FRL for integrity and insulation of not less than 60; or
- (b) smoke-proof construction that:
 - (i) is *non-combustible*; and
 - (ii) complies with Specification SM3.

Application

Ward areas where the floor area exceeds 500 m².

Acceptable solution

The ward area must be divided into floor areas of not more than 500 m² with smoke-proof construction that:

- (a) is *non-combustible*; and
- (b) complies with Specification SM3.

Specification SM3

Smoke-proof construction

Smoke-proof construction must:

- (a) extend to the underside of the floor above, to the underside of a *non-combustible* roof covering or to the underside of a ceiling having a *resistance to the incipient spread of fire* to the space above itself of not less than 60 minutes; and
- (b) have any glazed areas fitted with safety glass as defined in AS 1288; and
- (c) have the openings around all penetrations adequately stopped to prevent the free passage of smoke; and
- (d) incorporate smoke dampers where air-handling ducts penetrate the wall, except where the air-handling system forms part of a smoke control system or is *required* to continue operating during a fire; and
- (e) have all doorways fitted with smoke doors constructed so that smoke will not pass from one side of the doorway to the other and, if they are glazed, there is minimal danger of a person being injured by accidentally walking into them.
- (f) A smoke door of one or two leaves satisfies (e) if it is constructed as follows:
 - (i) The leaves must be side-hung to swing-
in the direction of egress; or
in both directions; and
 - (ii) The leaves must be capable of resisting smoke at 200°C for 30 minutes - solid-core leaves at least 35 mm thick satisfy (ii); and
 - (iii) The leaves must be fitted with smoke seals; and
 - (iv) The leaves must be normally in the closed position, or closed *automatically* with the *automatic* closing operation initiated by smoke detectors, installed in accordance with the relevant provisions of AS 1670, located on each side of the doorway not more than 1.5 m from the opening. In the event of power failure to the door, the leaves must fail-safe in the closed position.
 - (v) The leaves must return to the fully closed position after each manual opening.
 - (vi) Any glazing incorporated in the door must comply with AS 1288.
 - (vii) If a glazed panel is capable of being mistaken for an unobstructed *exit*, the presence of the glass must be identified by opaque construction - an opaque mid-height band, mid-rail or crash bar satisfies (vii).

System designator

SM4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements for escape paths.

SM4a

Application

Where 2 or more exits are provided by means of internal non-fire-isolated stairways or non-fire-isolated ramps

Acceptable solution

Each exit must-

- (a) provide separate egress to a road or open space; and
- (b) be suitably smoke-separated from each other exit at the level of discharge.

SM4b

Application

Fire-isolated stairways

Acceptable solution

Separation of rising and descending stair flights

If a stairway serving as an exit is required to be fire-isolated, any construction that separates or is common to the rising and descending flights of stairs must be non-combustible and have an FRL of 60/60/60.

SYSTEM ELEMENT 13 - FLAME COMPARTMENTATION

System Designator

FC1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Electrical substations, main switchboards and electrical conductors must be protected to maintain their operation and prevent fire spread.

Application

An electricity substation located within a building.

Acceptable solution

The electricity substation must:

- (a) be separated from any other part of the building by construction having an FRL for integrity and insulation of not less than 120; and
- (b) have any doorway in that construction protected with a *self-closing* fire door with an FRL for integrity of 120 and an FRL for insulation of 30.

Application

A main switchboard located within the building which sustains emergency equipment operating in the emergency mode.

Acceptable solution

- (a) The switchboard must be separated from any other part of the building by construction having an FRL for integrity and insulation of not less than 120; and..
- (b) Any doorway in that construction must be protected with a self-closing fire door having an FRL for integrity of 120 and an FRL for insulation of 30.

Application

Electrical conductors located within the building that supply either a main switchboard or a substation located within the building which supplies a main switchboard, and the switchboard sustains emergency equipment operating in the emergency mode.

Acceptable solution

The electrical conductors must:

- (a) have a classification of not less than WS53W in accordance with AS 3013; or
- (b) be enclosed or otherwise protected by construction having an FRL for integrity and insulation of not less than 120.

System designator

FC2

System element descriptor:

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Openings in external walls must be positioned and constructed to prevent fire spread.

FC2a

Application

Openings in external walls in buildings not fitted with a sprinkler system.

Acceptable solution

If, any part of a window or other opening in an external wall, (except openings within the same stairway) is above another opening in the storey next below, and its vertical projection falls no further than 450 mm outside the lower opening (measured horizontally), the openings must be separated by-

- (a) a spandrel which-
 - (i) is not less than 900 mm in height; and
 - (ii) extends not less than 600 mm above the upper surface of the intervening floor; and
 - (iii) is of non-combustible material having an FRL for integrity and insulation of not less than 60; or
- (b) part of a curtain wall or panel wall that complies with (a); or
- (c) construction that complies with (a) behind a *curtain wall* or *panel wall* and has any gaps packed with a *non-combustible* material that will withstand thermal expansion and structural movement of the walling without loss of seal against fire and smoke; or
- (d) a slab or other horizontal construction that-
 - (i) projects outwards from the external face of the wall not less than 1100 mm; and
 - (ii) extends along the wall not less than 450 mm beyond the openings concerned; and
 - (iii) is non-combustible and has an FRL for integrity and insulation of not less than 60.

FC2b

Application

Openings in external walls in fire compartments separated by a fire wall.

Acceptable solution

- (a) The openings must be protected as follows:
 - (i) doorways - internal or external wall-wetting sprinklers as appropriate or fire doors (self-closing or automatic closing) with an FRL for integrity of 60 and an FRL for insulation of 30.
 - (ii) windows - internal or external wall-wetting sprinklers as appropriate, fire windows with an FRL for integrity of 60 (automatic or permanently fixed in the closed position) or automatic fire shutters with an FRL for integrity of 60.
 - (iii) fire doors, fire windows and fire shutters - see [Spec C3.4].

- (iv) other openings - internal or external wall-wetting sprinklers as appropriate or construction having an FRL for integrity of not less than 60; or
- (b) the distance between the openings must not be less than that set out in the table below:

ANGLE BETWEEN WALLS	MIN. DISTANCE BETWEEN OPENINGS
0° (walls opposite)	6 m
more than 0° to 45°	5 m
more than 45° to 90°	4 m
more than 90° to 135°	3 m
more than 135° to less than 180°	2 m
180° or more	Nil

System designator

FC3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

External walls must be adequately protected to allow safe passage along paths of travel adjacent to the building.

FC3a

Application

Parts of external walls, where travel from a point of discharge necessitates passing within 6 m of the wall.

Acceptable solution

The part of the wall must have

- (a) an FRL for integrity and insulation of at least 60; and
- (b) any openings protected as follows:
 - (i) doorways - internal wall-wetting sprinklers as appropriate or fire doors (self-closing or automatic closing) with an FRL for integrity of 60 and an FRL for insulation of 30.
 - (ii) windows - internal wall-wetting sprinklers as appropriate, fire windows with an FRL for integrity of 60 (automatic or permanently fixed in the closed position) or automatic fire shutters with an FRL for integrity of 60.
 - (iii) fire doors, fire windows and fire shutters - see [Spec C3.4].
 - (iv) other openings - internal wall-wetting sprinklers as appropriate or construction having an FRL for integrity of not less than 60.

FC3b

Application

Where a path of travel to an exit is:

- (a) along an open balcony, landing or the like; and
- (b) does not provide a person seeking egress with a choice of travel in different directions to alternative exits; and
- (c) passes an external wall of:
 - (i) another sole-occupancy unit; or
 - (ii) a room not within a sole-occupancy unit.

Acceptable solution

The wall must:

- (a) be constructed of concrete or masonry, or be lined internally with a fire protective covering; and
- (b) have any doorway fitted with a self-closing, tight-fitting solid core door not less than 35 mm thick; and
- (c) have any windows or other openings located at least 1.5 m above the floor of the balcony, landing or the like or protected as follows:
 - (i) doorways - internal or external wall-wetting sprinklers as appropriate or fire doors (self-closing or automatic closing) with an FRL for integrity of 60 and an FRL for insulation of 30.

- (ii) windows - internal or external wall-wetting sprinklers as appropriate, fire windows with an FRL for integrity of 60 (automatic or permanently fixed in the closed position) or automatic fire shutters with an FRL for integrity of 60.
- (iii) fire doors, fire windows and fire shutters - see [Spec C3.4].
- (iv) other openings - internal or external wall-wetting sprinklers as appropriate or construction having an FRL for integrity of not less than 60.

System Designator

FC4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

The use of space below a stairway or ramp must not compromise the use of the stairway or ramp.

Application

Spaces below a stairway or ramp.

Acceptable solution

- (a) Fire-isolated stairways and ramps - if the space below a *required fire-isolated stairway* or ramp is within the fire-isolated *shaft*, it must not be enclosed to form a cupboard or similar enclosed space.
- (b) Non-fire-isolated stairways and ramps - if the space below a required non-fire-isolated stairway (including an external stairway) or ramp is enclosed to form a cupboard or other enclosed space,
 - (i) the enclosing walls and ceilings must have an FRL for integrity and insulation of not less than 60; and
 - (ii) any access doorway to the enclosed space must be fitted with a *self-closing* fire door with an FRL for integrity of 60 and an FRL for insulation of 30.

System designator

FC5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

External stairways serving as required exits must be protected against fire from openings in the building.

Application

External stairways serving as required exits.

Acceptable solution

The stairway (including any connecting access bridges) must be of non-combustible construction throughout.

- (a) If any part of the stairway is exposed to, and less than 6 m from, a window, doorway, (except a doorway fitted with internal or external wall-wetting sprinklers as appropriate or fire doors (self-closing or automatic closing) with an FRL for integrity of 60 and an FRL for insulation of 30), serving the external stairway, or the like in an external wall of the building served by the stairway-
 - (i) the stairway must be enclosed for its full height above the lowest level of the window or doorway by non-combustible construction with an FRL for integrity and insulation of not less than 60; and
 - (ii) no window or the like in the enclosing walls of the stairway may be closer to a *window*, doorway or the like in an *external wall* of the building than 3 m; and
 - (iii) any *window* or the like in the enclosing walls of the stairway, that is within 6 m of any *window*, doorway or the like in the *external walls* of the building, must be protected by internal or external wall-wetting sprinklers, fire windows with an FRL for integrity of 60 (automatic or permanently fixed in the closed position) or automatic fire shutters with an FRL for integrity of 60; or
- (b) if any part of the stairway is exposed to, and less than 6 m but more than 3 m from, a *window*, doorway or the like in an *external wall* of the building, the *window*, doorway or the like must be protected as follows:
 - (i) doorways - internal or external wall-wetting sprinklers as appropriate or fire doors (self-closing or automatic closing) with an FRL for integrity of 60 and an FRL for insulation of 30.
 - (ii) windows - internal or external wall-wetting sprinklers as appropriate, fire windows with an FRL for integrity of 60 (automatic or permanently fixed in the closed position) or automatic fire shutters with an FRL for integrity of 60.
 - (iii) fire doors, fire windows and fire shutters - see [Spec C3.4].
 - (iv) other openings - internal or external wall-wetting sprinklers as appropriate or construction having an FRL for integrity of not less than 60.

System designator

FC6

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Penetrations in walls, floors or ceilings must not increase the likelihood of flame spread.

Application

A metal pipe that:

- (a) is not in a shaft complying with FS1; and
- (b) is not normally filled with liquid; and
- (c) penetrates a wall (other than an external wall), floor or ceiling that is required to have an FRL or a resistance to the incipient spread of fire.

Acceptable solution

- (a) The pipe must not penetrate a wall, floor or ceiling within 100 mm of any *combustible* material, and must be constructed of-
 - (i) copper alloy or stainless steel with a wall thickness of at least 1 mm; or
 - (ii) cast iron or steel (other than stainless steel) with a wall thickness of at least 2 mm.
- (b) An opening for a metal pipe must-
 - (i) be neatly formed, cut or drilled; and
 - (ii) be no closer than 200 mm to any other service penetration; and
 - (iii) accommodate only one pipe.
- (c) A metal pipe must be wrapped but must not be lagged or enclosed in thermal *insulation* over the length of its penetration of a wall, floor or ceiling unless the lagging or thermal *insulation* fulfils the requirements of Specification FC6.
- (d) The gap between a metal pipe and the wall, floor or ceiling it penetrates must be fire-stopped in accordance with Specification FC6.

Specification FC6

Fire-stopping

- (a) **Material:** The material used for the fire-stopping of service penetrations must be concrete, high-temperature mineral fibre, high-temperature ceramic fibre or other material that does not flow at a temperature below 1120°C when tested in accordance with AS 1038.15, and must have-
- (i) demonstrated in a system tested in accordance with C3.15(a) of the BCA that it does not impair the *fire-resisting* performance of the building element in which it is installed; or
 - (ii) demonstrated in a test in accordance with (e) that it does not impair the *fire-resisting* performance of the test slab.
- (b) **Installation:** Fire-stopping material must be packed into the gap between the service and wall, floor or ceiling in a manner, and compressed to the same degree, as adopted for testing under (a)(i) or (a)(ii).
- (c) **Hollow construction:** If a pipe penetrates a hollow wall (such as a stud wall, a cavity wall or a wall of hollow blockwork) or a hollow floor/ceiling system, the cavity must be so framed and packed with fire-stopping material that the material is-
- (i) installed in accordance with (b) to a thickness of 25 mm all round the service for the full length of the penetration; and
 - (ii) restrained, independently of the service, from moving or parting from the surfaces of the service and of the wall, floor or ceiling.
- (d) **Recesses:** If an electrical switch, socket, outlet or the like is accommodated in a recess in a hollow wall or hollow floor/ceiling system-
- (i) the cavity immediately behind the service must be framed and packed with fire-stopping material in accordance with (c); or
 - (ii) the back and sides of the service must be protected with refractory lining board identical with and to the same thickness as that in which the service is installed.
- (e) **Test:** The test to demonstrate compliance of a fire-stopping material with this Specification must be conducted as follows:
- (i) The test specimen must comprise a concrete slab not less than 1 m square and not more than 100 mm thick, and appropriately reinforced if necessary for *structural adequacy* during manufacture, transport and testing.
 - (ii) The slab must have a hole 50 mm in diameter through the centre and the hole must be packed with the fire-stopping material.
 - (iii) The slab must be conditioned in accordance with AS 1530.4.
 - (iv) Two thermocouples complying with AS 1530.4 must be attached to the upper surface of the packing each about 5 mm from its centre.
 - (v) The slab must be tested on flat generally in accordance with Section 10 of AS 1530.4 and must achieve an FRL of 60/60/60 or as otherwise *required*.

SYSTEM ELEMENT 14 - EXPOSURE CONTROL

System designator

E1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must not spread through external walls or openings in the walls.

E1a

Application

Openings in external walls that are:

- (a) required to have an FRL; and
- (b) exposed to and less than:
 - (i) 3m from a fire-source feature that is the side or rear boundary of the allotment; or
 - (ii) 6m from a fire-source feature that is the far boundary of a road adjoining the allotment, if the openings are not located in a storey at or near ground level; or
 - (iii) 6 m from a fire-source feature that is another building on the allotment that is not Class 10.

Openings

Openings include doorways, *windows* (including any associated fanlight), infill panels and fixed or openable glazed areas that do not have the *required* FRL. They do not include:

- (a) control joints, weep holes and the like in *external walls* of masonry construction, if each is not larger than necessary for the purpose; or
- (b) joints between panels in *external walls* of pre-cast concrete panel construction if they are not larger than necessary for the purpose; or
- (c) *non-combustible* ventilators for sub-floor or cavity ventilation, if each does not exceed 45 000 mm² in face area and is spaced not less than 2 m from any other ventilator in the same wall.

Acceptable solution

- (a) Openings must be no closer to a fire-source feature to which they are exposed than:
 - (i) 1 m in a building with a rise in storeys of not more than 1; or
 - (ii) 1.5 m in a building with a rise in storeys of more than 1.
- (b) Doorways, windows and other openings must be protected as follows:
 - (i) Doorways - external wall-wetting sprinklers or - /60/30 fire doors (self-closing or automatic closing).
 - (ii) Windows - external wall-wetting sprinklers, - /60/- fire windows (automatic or permanently fixed in the closed position) or - /60/- automatic fire shutters.
 - (iii) Other openings - external wall-wetting sprinklers or construction having an FRL not less than - /60/-.

- (iv) Fire doors, fire windows and fire shutters must comply with **Specification C3.4.** of the BCA.
- (c) Openings must not occupy more than 1/3 of the area of the external wall of the storey in which they are located unless they are in a Class 9b building used as an open spectator stand.

E1b

Application

Curtain walls and panel walls where the wall has an FRL to satisfy E1c-o.

Acceptable solution

The wall must be of non-combustible construction and be fully protected by automatic external wall-wetting sprinklers.

E1c

Application

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 120/120/120 <i>non-loadbearing:</i> -/120/120
1.5 to less than 3 m	<i>loadbearing:</i> 120/90/90 <i>non-loadbearing:</i> -/90/90
3m or more	<i>loadbearing:</i> 120/60/30

E1d

Application

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below when tested from the outside:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	90/90/90
1.5 to less than 3 m	60/60/60

E1e

Application

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 240/240/240 <i>non-loadbearing:</i> -/240/240
1.5 to less than 3 m	<i>loadbearing:</i> 240/240/180 <i>non-loadbearing:</i> -/240/180
3m or more	<i>loadbearing:</i> 240/180/90

E1f**Application**

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs for given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 120/120/120 <i>non-loadbearing:</i> -/120/120
1.5 to less than 3 m	<i>loadbearing:</i> 120/90/60 <i>non-loadbearing:</i> -/90/60
3 to less than 9 m	<i>loadbearing:</i> 120/30/30
9 to less than 18 m	<i>loadbearing:</i> 120/30/-

E1g**Application**

In open spectator stands and indoor sports stadiums:

- columns and loadbearing walls supporting only the roof; and
- any non-loadbearing part of an external wall less than 3 m from any fire-source feature to which it is exposed.

Acceptable solution

- The element must be non-combustible; and
- a part of a wall described in (b) must have an FRL of -/60/60.

E1h

Application

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 240/240/240 <i>non-loadbearing:</i> -/240/240
1.5 to less than 3 m	<i>loadbearing:</i> 240/180/120 <i>non-loadbearing:</i> -/180/120
3 to less than 9 m	<i>loadbearing:</i> 240/90/60
9 to less than 18 m	<i>loadbearing:</i> 240/60/-

E1i**Application**

External walls in an open-deck car park or a sprinklered carpark

Acceptable solution

The wall must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 3 m	60/60/60

E1j**Application**

External walls in an open-deck car park or a sprinklered carpark

Acceptable solution

The wall must have the FRL given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	60/60/60

Note:. Should Spec C1.1 cl 5.1(b) apply to this? (ie testing from outside only)

E1k**Application**

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 180/180/180 <i>non-loadbearing:</i> -/180/180
1.5 to less than 3 m	<i>loadbearing:</i> 180/180/120 <i>non-loadbearing:</i> -/180/120
3 m or more	<i>loadbearing:</i> 180/120/90

E11**Application**

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 90/90/90 <i>non-loadbearing:</i> -/90/90
1.5 to less than 3 m	<i>loadbearing:</i> 90/60/60 <i>non-loadbearing:</i> -/60/60
3 m or more	<i>loadbearing:</i> 90/60/30

E1m**Application**

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 180/180/180 <i>non-loadbearing:</i> -/180/180
1.5 to less than 3 m	<i>loadbearing:</i> 180/120/90 <i>non-loadbearing:</i> -/120/90
3 to less than 9 m	<i>loadbearing:</i> 180/90/60
9 to less than 18 m	<i>loadbearing:</i> 180/60/-

E1n

Application

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	<i>loadbearing:</i> 90/90/90 <i>non-loadbearing:</i> -/90/90
1.5 to less than 3 m	<i>loadbearing:</i> 90/60/30 <i>non-loadbearing:</i> -/60/30
3 to less than 9 m	<i>loadbearing:</i> 90/30/30
9 to less than 18 m	<i>loadbearing:</i> 90/30/-

E1o

Application

External wall (including any column and other building element incorporated therein) or other external building element.

Acceptable solution

The element must have the FRLs given in the table below when tested from the outside:

Where the distance from any fire-source feature to which it is exposed is:	FRL
less than 1.5 m	90/90/90

E1p

Application

Loadbearing external wall.

Acceptable solution

The FRL may be reduced to 60, except any FRL criterion of 90 must be maintained when tested from the outside.

E1q

Application

External walls less than:

- (a) 900 mm from an allotment boundary other than the boundary adjoining a road alignment or other public space; or

- (b) 1.8 m from another building on the same allotment other than an appurtenant Class 10 building or a detached part of the same Class 1 building.

Acceptable solution

- (a) External walls (including gables) must extend to the underside of a non-combustible roof covering or non-combustible eaves lining and must-
 - (i) have an FRL of not less than 60/60/60 when tested from the outside; or
 - (ii) be of masonry-veneer construction in which the external masonry veneer is not less than 90 mm thick; or
 - (iii) be of masonry construction not less than 90 mm thick.
- (b) Openings must be protected by-
 - (i) non-openable fire windows or other construction with an FRL of not less than - /60/ - ; or
 - (ii) self-closing solid core doors not less than 35 mm thick.
- (c) Sub-floor vents, roof vents, weepholes and penetrations for pipes, conduits and the like need not comply with (b).
- (d) Only that part of the wall (including any openings) within the specified distance need comply with (a), (b) and (c).

E1r

Application

External walls

Application

An external wall:

- (a) where a Class 10a building is between a Class 1 building and an allotment boundary other than the boundary adjoining a road alignment or other public space, and there is less than 900 mm separating the Class 10a building from the boundary; or
- (b) where a Class 10a building is between a Class 1 building and another building on the same allotment, and there is less than 1.8 m separating the buildings; or
- (c) where two or more Class 10a buildings on the same allotment are appurtenant to different Class 1 buildings, and there is less than 1.8 m separating the Class 10a buildings or 900 mm separating each Class 1 building from the Class 10a buildings.

An external wall of a carport is exempt if the carport:

- (i) has two or more sides open and at least one third of its perimeter open and, for the purposes of this clause, a side is considered to be open if the roof covering adjacent to that side is at least 500 mm from another building or allotment boundary; and
- (ii) has a non-combustible roof covering and any ceiling lining and wall cladding, including gables, is also non-combustible; and
- (iii) does not provide direct vertical support to any part of the Class 1 building; and
- (iv) in the case where it has a common roof structure with the Class 1 building and the carport does not have a ceiling, the opening between the top of the wall of the Class 1 building and the underside of the roof covering is infilled with-

- (A) a non-combustible material; or
- (B) construction clad with non-combustible material on the carport side.

Acceptable solution

The external wall of one building must comply with Specification E1r.

E1s

Application

Loadbearing external wall.

Acceptable solution

The FRL may be reduced to 60, except any FRL criterion of 90 must be maintained when tested from the outside.

E1t

Application

Buildings with concrete *external walls* that could collapse as complete panels (eg. tilt-up and precast concrete) which-

- (a) consist of either single or multiple panels attached by steel connections to lateral supporting members; and
- (b) depend on those connections to resist outward movement of the panels relative to the supporting members; and
- (c) have height to thickness ratio not greater than 50.

Acceptable solution

General requirements for external wall panels

- (a) Cast-in inserts and fixings must be anchored into the panel with welded bars or be fixed to the panel reinforcement.
- (b) Cast-in inserts for top connections and fixings acting together must be able to resist an ultimate load of two times the larger of the forces required to develop:
 - (i) the ultimate bending moment capacity of the panel at its base; or
 - (ii) the overturning moment at the base of the panel arising from an outwards lateral displacement at the top of the panel equal to one tenth of the panel height.
- (c) Top connections of the panel exposed to fire, such as clips and drilled-in inserts, acting together must be able to resist an ultimate load of six times the larger of the forces *required* to develop the moment specified in (b)(i) or (ii).

Note. The increased forces specified by use of the multiplier of two or six in (b) and (c) above are to take account of the lower strength of the connections and members at the higher than ambient temperatures expected in a fire.

- (d) Lateral supporting members and their connections must be designed to resist the connection forces specified in (b) and (c) and in the case of an eaves tie member the force in the member must be determined assuming that it deforms in a manner compatible with the lateral displacement of the wall panels, and that it acts in tension only.
- (e) *External wall* panels that span vertically must have at least two upper connections per panel to the supporting member, except that where a number

of panels are designed to act as one unit, (eg. tongue and groove hollow-core panels), only two upper connections are required for each unit.

- (f) *External wall* panels that span horizontally between columns must have at least two connections at each column.

Additional requirements for vertically spanning external wall panels adjacent to columns

- (a) Where vertically spanning *external wall* panels are located adjacent to columns, connections to the panels must be located and/or detailed to minimise forces that may develop between the panels and columns arising from the restraint of differential displacement.
- (b) The requirements of (a) are satisfied by:
 - (i) detailing the connections and/or the supporting member to sustain a relative outward displacement of d between the panels and columns at the connection height where d (m) is calculated as:
 - (A) the square of the connection height (m) divided by one hundred and twenty-five, when the connection height is less than 5 m; or
 - (B) the connection height (m) divided by twenty-five, when the connection height (m) is greater than or equal to 5 m; or
 - (ii) in situations where an eaves tie member is used to provide lateral support to *external wall* panels, the tie member is connected to the panels no closer than a distance s from the column where s (m) is taken as one quarter of the panel height (m).

Specification E1r

- (a) External walls (including gables) must extend to the underside of a non-combustible roof covering or non-combustible eaves lining and must:
 - (i) have an FRL of not less than 60/60/60 when tested from the outside; or
 - (ii) be of masonry-veneer construction in which the external masonry veneer is not less than 90 mm thick; or
 - (iii) be of masonry construction not less than 90 mm thick.
- (b) Openings must be protected by-
 - (i) non-openable fire windows or other construction with an FRL of not less than - /60/ - ; or
 - (ii) self-closing solid core doors not less than 35 mm thick.
- (c) Sub-floor vents, roof vents, weepholes and penetrations for pipes, conduits and the like need not comply with (b).
- (d) Only that part of the wall (including any openings) within the specified distance need comply with (a), (b) and (c).

System designator

E2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must not spread through roofs and openings in the roofs.

E2a

Application

A part of a building separated from the remainder of the building by a fire wall, where the roof of one of the adjoining parts is lower than the roof of the other part.

Acceptable solution

The fire wall must extend to the underside of:

- (a) the covering of the higher roof, or not less than 6 m above the covering of the lower roof; or
- (b) the lower roof if it has an FRL not less than that of the fire wall and no openings closer than 3 m to any wall above the lower roof; or
- (c) the lower roof if its covering is non-combustible and the lower part has a sprinkler system.

E2b

Application

Roof construction

Acceptable solution

- (a) A roof superimposed on a concrete slab roof need not have an FRL if:
 - (i) the superimposed roof and any construction between it and the concrete slab roof are non-combustible throughout; and
 - (ii) the concrete slab roof has the FRL given in FS1b-e, E2c-f and S1a-d.
- (b) A roof need not have an FRL if its covering is non-combustible and the building has a sprinkler system installed throughout.
- (c) A roof need not have an FRL if its covering is non-combustible and the building has a rise in storeys of 3 or less.
- (d) If a roof is required to have an FRL or its covering is required to be non-combustible, rooflights or the like installed in that roof must-
 - (i) have an aggregate area not more than 20% of the roof surface; and
 - (ii) be not less than 3 m from:
 - (A) any boundary of the allotment other than the boundary with a road or public place; and
 - (B) any part of the building which projects above the roof unless that part has the FRL required of a fire wall and any openings in that part of the wall for 6 m vertically above the rooflight or the like are protected in accordance with C3.4; and
 - (C) any rooflight or the like in an adjoining sole-occupancy unit if the walls bounding the unit are required to have an FRL; and

- (D) any rooflight or the like in an adjoining fire-separated section of the building; and
- (iii) if a ceiling with a resistance to the incipient spread of fire is required, be installed in a way that will maintain the level of protection provided by the ceiling to the roof space.

E2c

Application

Roofs

Acceptable solution

The roof must have an FRL of 120/60/30.

E2d

Application

Roofs

Acceptable solution

The roof must have an FRL of 180/60/30.

E2e

Application

Roofs

Acceptable solution

The roof must have an FRL of 90/60/30.

E2f

Application

Roofs

Acceptable solution

The roof must have an FRL of 240/90/60.

E2g

Application

Roofs in indoors sports stadiums and open spectator stands.

Acceptable solution

The roof need not have an FRL if it is non-combustible.

E2h

Application

Roofs

Acceptable solution

The roof need not have an FRL if its covering is non-combustible.

E2i

Application

Rooflights

Acceptable solution

Combustible rooflights or the like installed in a roof or part of a roof required to have a non-combustible covering must:

- (a) have an aggregate area not more than 20% of the roof or part of the roof; and
- (b) be not less than:
 - (i) 900 mm from:
 - (A) the allotment boundary other than the boundary adjoining a road alignment or other public space; and
 - (B) the vertical projection of a separating wall extending to the underside of the roof covering; and..
 - (ii) 1.8 m from any rooflight or the like in another building on the allotment other than an appurtenant building or a detached part of the same building.

System designator

E3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Space must be provided around buildings to prevent the spread of fire.

E3a

Application

Buildings that contain not more than 2 storeys.

Acceptable solution

- (a) An open space accordance with Specification E3, not less than 18 m wide, must be provided around the building.
- (b) Where there is more than one building on the allotment:
 - (i) each building must comply with (a); or
 - (ii) if the buildings are closer than 6 m to each other they are regarded as one building and collectively must comply with (a).

E3b

Application

- (a) Any construction between the *external wall* of a Class 1 building and the allotment boundary, or the *external walls* of two buildings on the same allotment.
- (b) Any construction between the *external wall* of a Class 10a building and the allotment boundary, or the *external walls* of two buildings on the same allotment, where there is a risk of fire spread (see E1r).

Acceptable solution

- (a) Only allowable encroachments listed below may be constructed within 900 mm of an allotment boundary or within 1.8 m of another building on the same allotment.
- (b) Encroachments listed in (c)(i), if combustible, c(ii) and c(iii) must not be built within 450 mm of an allotment boundary nor be built within 900 mm of the external wall or associated encroachments of another building on the same allotment.
- (c) *Allowable encroachments*
Allowable encroachments are:
 - (i) fascias, gutters, downpipes and the like; and
 - (ii) eaves with non-combustible roof cladding and non-combustible lining; and
 - (iii) flues, pipes, domestic fuel tanks, cooling or heating appliances or other services; and
 - (iv) light fittings, electricity or gas meters, aerials or antennas; and
 - (v) pergolas or sun blinds; and
 - (vi) unroofed terraces, landings, steps and ramps, not more than 1 m in height.

Specification E3

Open space

Open space must:

- (a) be wholly within the allotment except that any road, river, or public place adjoining the allotment, but not the farthest 6 m of it may be included; and
- (b) include vehicular access in accordance with Specification BF4; and
- (c) not be used for the storage or processing of materials; and
- (d) not be built upon, except for guard houses and service structures (such as electricity substations and pump houses) which may encroach upon the width of the space if they do not unduly impede fire-fighting at any part of the perimeter of the allotment or unduly add to the risk of spread of fire to any building on an adjoining allotment.

System designator

E4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Where there is danger of bushfire, buildings must be protected against ignition by embers.

E4

Application

A building that is constructed in a *designated bushfire prone area*.

Acceptable solution

The building must be provided with protection in accordance with AS 3959.

System designator

E5

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Escape paths must not be subjected to flames or radiant heat that would render them unusable in an emergency.

Application

A window in an external wall of a fire-isolated stairway, fire-isolated passageway or fire-isolated ramp that is within 6 m of, and exposed to:

- (a) a fire-source feature; or
- (b) a window or other opening in a wall of the same building, other than in the same fire-isolated enclosure.

Acceptable solution

The window must be protected by external wall-wetting sprinklers, - /60/- fire windows (automatic or permanently fixed in the closed position) or - /60/- automatic fire shutters.

SYSTEM ELEMENT 15 - WAYFINDING

System designator

WF1

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1). Signs aiding safe evacuation must be provided.

WF1a

Application

Other than an entrance door of a sole-occupancy unit in a Class 2 or 3 building or a Class 4 part, on, above or adjacent to each:

- (a) door providing direct egress from a storey to -
 - (i) an enclosed stairway, passageway or ramp serving as a required exit; and
 - (ii) an external stairway, passageway or ramp serving as a required exit; and
 - (iii) an external access balcony leading to a required exit : and
- (b) door from an enclosed stairway, passageway, or ramp at every level of discharge to a road, or open space; and
- (c) horizontal exit; and
- (d) door serving as, or forming part of an exit in a storey required to be provided with emergency lighting in accordance WF2

Acceptable solution

- (a) An exit sign must be installed where it can be clearly seen by persons approaching the exit; and
- (b) Every exit sign must -
 - (i) be clear and legible and have letters and symbols of adequate size; and
 - (ii) be illuminated at a level sufficient for it to be clearly visible at all times when the building is occupied by a person having the right of legal entry to the building; and
 - (iii) be installed so that if normal supply fails, emergency illumination is provided to the sign; and
 - (iv) if illuminated by an emergency lighting system incorporating wiring and a power source, be *automatic* in operation, provide sufficient illumination without undue delay for safe evacuation and, if it is a central system, be suitably protected from damage by fire.
- (c) Exit signs in accordance with AS 2293.1 satisfy (b).
- (d) If an exit is not readily apparent to persons occupying or visiting the building then exit signs with directional arrows must be installed in appropriate positions (junctions and changes in direction) in corridors, hallways, lobbies and the like indicating the direction to a required exit.

WF1b

Application

Other than an entrance door of a sole-occupancy unit, on, above or adjacent to each:

- (a) door providing direct egress from a storey to -
 - (i) an enclosed stairway, passageway or ramp serving as a required exit; and
 - (ii) an external stairway, passageway or ramp serving as a required exit; and
 - (iii) an external access balcony leading to a required exit : and
- (b) a door from an enclosed stairway, passageway, or ramp at every level of discharge to a road, or open space; and
- (c) horizontal exit; and
- (d) door serving as, or forming part of an exit in a storey required to be provided with emergency lighting in accordance WF2.

Acceptable solution

The door must be clearly and legibly labelled on the side remote from the exit or balcony with the word “EXIT” in capital letters 25 mm high in a colour contrasting with that of the background.

WF1c

Application

Near every call button for a passenger lift or group of lifts throughout the building, except a small lift such as a dumb waiter that is used for the transport of goods only.

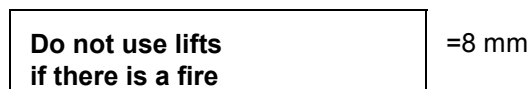
Acceptable solution

A warning sign must be displayed where it can be readily seen, and must comply with the details and dimensions of the figure below. It must consist of:

- (i) incised, inlaid or embossed letters on a metal, wood, plastic or similar plate securely and permanently attached to the wall; or
- (ii) letters incised or inlaid directly into the surface of the material forming the surface of the wall.



OR



WF1d

Application

Escalators, moving walkways and non required non fire isolated stairways or pedestrian ramps that connect more than 3 storeys.

Acceptable solution

- (a) A warning sign must be displayed where it can be readily seen outside the shaft near all the fire doors opening to the shaft. The sign must comply with the details and dimensions the figure below:

WARNING SIGN FOR NON-RERQUIRED STAIRWAY, RAMP OR ESCALATOR

**DO NOT USE THIS STAIRWAY
IF THERE IS A FIRE**

=20 mm

OR

**Do not use this stairway
if there is a fire**

=16 mm

- (b) Signs showing the direction of the nearest required exit must be installed where they can be readily seen.

System designator

WF2

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Illumination to aid safe evacuation must be provided. Emergency lighting systems must be protected from damage by fire.

WF2a

Application

- (a) In every fire isolated stairway, fire isolated ramp or fire isolated passageway; and
- (b) in every required non fire isolated stairway.

WF2b

Application

In every storey with a floor area more than 300m²:

- (a) in every passageway, corridor, hallway or the like that is part of the path of travel to an exit; and
- (b) in any room having a floor area of more than 100m² that does not open to a corridor or space that has emergency lighting; and
- (c) in any room having a floor area more than 300m².

WF2c

Application

In every passageway, corridor, hallway, or the like having a length of more than 6m from the entrance doorway of any sole occupancy unit to the nearest doorway opening directly to:

- (a) a fire isolated stairway, ramp or passageway ; or
- (b) an external stairway serving as a fire isolated stairway; or
- (c) an external balcony leading to a fire isolated stairway, passageway or ramp; or
- (d) a road or open space.

WF2d

Application

In a sole occupancy unit if:

- (a) the floor area of the unit is more than 300m²; and
- (b) an exit from the unit doesn't open to a road or open space or to an external stairway, passageway, balcony or ramp, leading directly to a road or open space.

WF2e

Application

In every room or space to which there is public access, in every storey where:

- (a) the floor area in that storey is more than 300m²; or
- (b) any point on the floor is more than 20m from the passageway, road or open space; or

- (c) egress from that storey involves a vertical rise within the building of more than 1.5m or any vertical rise if the storey concerned does not admit sufficient light; or
- (d) the storey provides a path of travel from another storey required by (a)(b) or (c) to have emergency lighting.

WF2f

Application

- (a) In every passageway, corridor hallway or the like serving a treatment area or ward area; and
- (b) in a patient care area having a floor area more than 120m².

WF2g

Application

In buildings in alpine areas:

- (a) in every stairway (other than those in a sole occupancy unit); and
- (b) in every public corridor, public hallway, or the like leading to an exit; and
- (c) externally above every doorway opening to a road or open space; and
- (d) in any storey of the building if illumination sufficient for safe egress will not be available under conditions of emergency.

WF2h

Application

In a shaft for an escalator, moving walkway, or non required non fire isolated stairway or pedestrian ramp.

Acceptable solution for WF2a - h

An emergency lighting system in accordance with AS 2293.1 must be installed.

WF2i

Application

In every required fire control centre.

Acceptable solution

- (a) An emergency lighting system in accordance with AS 2293.1 must be installed.
- (b) An illumination level of not less than 400 lux must be maintained at the surface of the plan table.

System designator

WF3

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Aisles must be to assist people in finding their way and prevent them from tripping or falling on steps.

Application

In every enclosed Class 9b building where in any part of an auditorium, the general lighting is dimmed or extinguished during public occupation and the floor is stepped or is inclined at a slope steeper than 1 in 12.

Acceptable solution

Aisle lights must be provided to illuminate the full length of the aisle and tread of each step.

SYSTEM ELEMENT 16 - FLAME AND SMOKE COMPARTMENTATION

System designator

FS1

(Type A compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type A compartmentation.

FS1a

General requirements

Application	Acceptable solution
Building elements (other than external walls or roofs) that are required to have an FRL or a resistance to the incipient spread of fire	An electrical, electronic, plumbing, mechanical ventilation, air-conditioning or other service that penetrates the element must be installed so that the fire-resisting performance of the building element is not impaired and the installation complies with Specification FS1
Construction joints, spaces and the like in and between building elements required to be fire-resisting with respect to integrity and insulation.	Joints and spaces must be sealed with materials in a manner identical with a prototype tested in accordance with AS 1530.4 to achieve the required FRL.
Part of a building required to have an FRL.	The attachment of a facing or finish, or the installation of ducting or any other service, must not impair the required FRL of that part.
Fire doors	Fire doors must: <ul style="list-style-type: none"> (a) comply with AS 1905.1; and (b) not fail by radiation through any glazed part during the period specified for integrity in the required FRL.
Fire shutters	Fire shutters must: <ul style="list-style-type: none"> (a) (i) be identical with a tested prototype that has achieved the required FRL; and (ii) be installed in the same manner and in openings that are not larger than the tested prototype; and (iii) not have a rise in average temperature on the side remote from the furnace of more than 140 K during the first 30 minutes of the test; or

	(b) be steel shutters complying with AS 1905.2.
Fire windows	Fire windows must be: (a) identical in construction with a prototype that has achieved the required FRL; and (b) installed in the same manner and in openings that are not larger than the tested prototype.
Parts of different classifications, situated one above the other in adjoining storeys.	The floor between the adjoining parts must have an FRL not less than that prescribed in FS1b,c,d or e for the classification of the lower storey.

FS1b,c,d,e

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified and comply with the requirements listed in the table.

System designator	FS1b	FS1c	FS1d	FS1e
Building element				
COMMON WALLS AND FIRE WALLS FRL for integrity / insulation: Requirement:	90/90 1,2,3,4,5,18	120/120 1,2,3,4,5,18	180/180 1,2,3,4,5,18	240/240 1,2,3,4,5,19, FS1j
INTERNAL WALLS Fire-resisting lift and stair shafts FRL for integrity / insulation: Requirement:	90/90 4,5,6,7,8,21, 22, FS1i	120/120 4,5,6,7,8,21, 22, FS1f	120/120 4,5,6,7,8,21, 22, FS1f	120/120 4,5,6,7,8,21, 22, FS1f, FS1j
Bounding public corridors, public hallways and the like - loadbearing FRL for integrity / insulation: Requirement:	90/90 4,5,20,FS1i	-/- 4,5	-/- 4,5	-/- 4,5
Bounding public corridors, public hallways and the like - non-loadbearing FRL for integrity / insulation: Requirement:	60/60 4,5,20	-/- 4,5	-/- 4,5	-/- 4,5
Between or bounding sole-				

occupancy units - loadbearing FRL for integrity / insulation: Requirement:	90/90 4,5,9,10,20, FS1i	-/- 4,5	-/- 4,5	-/- 4,5
Between or bounding sole- occupancy units- non- loadbearing FRL for integrity / insulation: Requirement:	60/60 4,5,11,12,20	-/- 4,5	-/- 4,5	-/- 4,5
Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion FRL for integrity / insulation: Requirement:	90/90 4,5,7, FS1i	90/90 4,5,7, FS1f	120/120 4,5,7, FS1f	120/120 4,5,7, FS1f, FS1j
SEPARATING CONSTRUCTION - equipment installed in or near a building FRL for integrity / insulation: Requirement:	120/120 11,12	120/120 11,12	120/120 11,12	120/120 11,12
FLOORS Separating fire compartments (<i>definition of fire compartment</i>) FRL for integrity / insulation: Requirement:	90/90 13	120/120 13, FS1k	180/180 13, FS1k	240/240 13, FS1j, FS1k
Within sole-occupancy units FRL for integrity / insulation: Requirement:	-/-	120/120 13, FS1g, FS1k	180/180 13, FS1k	240/240 13, FS1k
(a) laid directly on the ground (b) open access floors above a floor with the required FRL FRL for integrity / insulation:	-/-	-/-	-/-	-/-

Where the space below is not a storey, does not accommodate motor vehicles, is not a storage or work area and is not used for any other ancillary purpose FRL for integrity / insulation: Requirement:	-/-	-/-	180/180 13, FS1k	240/240 13, FS1k
Other FRL for integrity / insulation: Requirement:	90/90 13	120/120 13, FS1g, FS1k	180/180 13, FS1k	240/240 13, FS1j, FS1k
ROOFS where the covering is non-combustible FRL for integrity / insulation: Requirement:	-/-	60/30 14	60/30 14	90/60 14, FS1j
other FRL for integrity / insulation: Requirement:	60/30	60/30	60/30	90/60 FS1j
FIRE-ISOLATED EXITS Requirement:	15,16, FS1o, FS1p	15,16, FS1n, FS1q, FS1r	15,16, FS1n	15,16, FS1n
Enclosing construction of a fire-isolated passageway. (a) if the passageway discharges from a fire-isolated stairway or ramp FRL for integrity / insulation when tested for a fire outside the passageway: Requirement:	90/90 17	120/120 17	120/120 17	120/120 17, FS1j
(b) in any other case FRL for integrity / insulation when tested for a fire outside the passageway: Requirement:	60/60 17	60/60 17	60/60 17	60/60 17, FS1j
ESCALATORS, MOVING WALKWAYS AND NON-REQUIRED				

NON-FIRE-ISOLATED STAIRWAYS AND PEDESTRIAN RAMPS				
Requirement:	FS1m	FS1m	FS1m	FS1l, FS1m,

1 Application

Walls separating fire compartments or buildings

Acceptable solution

- (a) (*definition of fire compartment*) An internal wall that is the boundary of a fire compartment must be a fire wall.
- (b) A wall that separates two buildings must be a fire wall and:
 - (i) extend through all storeys and spaces in the nature of storeys that are common to that part and any adjoining part of the building; and
 - (ii) be carried through to the underside of the roof covering; and
 - (iii) have the relevant FRL for each of the adjoining parts, and if these are different, the greater FRL; and
 - (iv) have no combustible building elements passing through it or crossing it, except for roof battens with dimensions of 75 mm x 50 mm or less.
 - (v) where the roof of one of the adjoining parts is lower than the roof of the other part, extend to the underside of:
 - (A) the covering of the higher roof, or not less than 6 m above the covering of the lower roof; or
 - (B) the lower roof if it has an FRL not less than that of the fire wall and no openings closer than 3 m to any wall above the lower roof; or
 - (C) the lower roof if its covering is non-combustible and the lower part has a sprinkler system.

2 Application

Doorways in fire walls

Acceptable solution

- (a) The aggregate width of openings for doorways in a fire wall, which are not part of a horizontal exit, must not exceed 1/2 of the length of the fire wall, and each doorway must be protected by:
 - (i) 2 fire doors or fire shutters, one on each side of the doorway, each of which has an FRL of not less than 1/2 that of the fire wall except that each door or shutter must have an insulation level of at least 30; or
 - (ii) a fire door on one side and a fire shutter on the other side of the doorway, each of which complies with (i); or
 - (iii) a single fire door or fire shutter which has an FRL of not less than that of the fire wall except that each door or shutter must have an insulation level of at least 30.
- (b)
 - (i) A fire door or fire shutter required by (a)(i), (a)(ii) or (a)(iii) must be self-closing, or automatic closing in accordance with (ii) and (iii).

- (ii) The automatic closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening.
- (iii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic closing operation.

3 Application

Sliding fire doors

Acceptable solution

- (a) If a doorway in a fire wall is fitted with a sliding fire door which is open when the building is in use:
 - (i) it must be held open with an electromagnetic device, which when de-activated in accordance with (b), allows the door to be fully closed not less than 20 seconds, and not more than 30 seconds, after release; and
 - (ii) in the event of power failure to the door - the door must fail safe in the closed position in accordance with (i); and
 - (iii) an audible warning device must be located near the doorway and a red flashing warning light of a suitable intensity on each side of the doorway must be activated in accordance with (b); and
 - (iv) signs must be installed on each side of the doorway located directly over the opening stating:
WARNING- SLIDING FIRE DOOR
in capital letters not less than 50 mm high in a colour contrasting with the background.
- (b)
 - (i) The electromagnetic device must be de-activated and the warning system activated by heat or smoke detectors, as appropriate, installed in accordance with AS 1905.1 and the relevant provisions of AS 1670.
 - (ii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation in either fire compartment separated by the fire wall must also de-activate the electromagnetic device and activate the warning system.

4 Application

Internal walls required to have an FRL

Acceptable solution

The internal wall must extend to:

- (a) the underside of the floor next above; or
- (b) if the roof has an FRL, the underside of the roof; or

- (c) if the roof does not have an FRL, the underside of the non-combustible roof covering and, except for roof battens with dimensions of 75 mm x 50 mm or less, must not be crossed by timber or other combustible building elements; or
- (d) a ceiling that is immediately below the roof and has a resistance to the incipient spread of fire to the roof space between the ceiling and the roof of not less than 60 minutes.

5 Application

Openings in walls providing access to a ventilating, pipe, garbage or other service shaft.

Acceptable solution

The opening must be protected by:

- (a) if it is in a sanitary compartment - a door or panel which, together with its frame, is non-combustible or has an FRL of not less than - /30/30; or
- (b) a self-closing - /60/30 fire door or hopper; or
- (c) an access panel having an FRL of not less than - /60/30; or
- (d) if the shaft is a garbage shaft, a door or hopper of non-combustible construction.

6 Application

Lifts (other than lifts which are wholly within an atrium), connecting more than:

- (a) 2 storeys; or
- (b) 3 storeys if the building is sprinklered.

Acceptable solution

- (a) The lift must be separated from the remainder of the building by enclosure in a shaft in which the walls have the FRL prescribed by the table above.
- (b) Openings for lift landing doors and services must be protected as follows:
 - (i) Doorways - an entrance doorway to the shaft must be protected by - /60/ - fire doors that:
 - (A) comply with AS 1735.11; and
 - (B) are set to remain closed except when discharging or receiving passengers, goods or vehicles.
 - (ii) Lift indicator panels - A lift call panel, indicator panel or other panel in the wall of the lift shaft must be backed by construction having an FRL of not less than - /60/60 if it exceeds 35 000 mm² in area.

7 Application

Shafts required to have an FRL

Acceptable solution

Shafts must be enclosed at the top and bottom by construction having an FRL not less than that required for the walls of a non-loadbearing shaft in the same building, except that these provisions need not apply to:

- (a) the top of a shaft extending beyond the roof covering, other than one enclosing a fire-isolated stairway or ramp; or
- (b) the bottom of a shaft if it is non-combustible and laid directly on the ground.

8 Application

Stairways and lifts

Acceptable solution

A stairway and lift must not be in the same shaft if either the stairway or the lift is required to be in a fire-resisting shaft.

9 Application

Openings in internal walls which are required to have an FRL with respect to integrity and insulation.

Acceptable solution

The construction must not reduce the fire-resisting performance of the wall.

10 Application

Doorways in bounding construction

Acceptable solution

- (a) Protection for a doorway must be at least a self-closing - /60/30 fire door.
- (b) The door may be automatic-closing; and
 - (i) The automatic-closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located not more than 1.5 m horizontal distance from the approach side of the opening; and
 - (ii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system must also initiate the automatic- closing operation.

11 Application

Equipment comprising:

- (a) Lift motors and lift control panels, except separating construction between the lift shaft and the lift motor room; or
- (b) emergency generators or central smoke control plant; or
- (c) boilers; or
- (d) batteries; but not:
- (e) smoke control exhaust fans located in the air stream which are constructed for high temperature operation in accordance with AS6; or
- (f) stair pressurising equipment installed in compliance with the relevant provisions of AS 1668.1; or

- (g) on-site fire pumps.

Acceptable solution

- (a) The equipment must be suitably separated from the remainder of the building.
- (b) The separating construction must have any doorway protected with a self-closing fire door having an FRL of not less than -/120/30.

12 Application

On-site fire pumps.

Acceptable solution

On-site fire pumps must:

- (a) if within a building that is not protected throughout with a *sprinkler system*, be separated from the remainder of the building by construction having an FRL of not less than that *required* for a *fire wall* for the particular building; and
- (b) if fixed externally to the building within an enclosure and within 6 m of the building, be separated from the building by construction with an FRL of not less than that *required* for a *fire wall* for the particular building. The separating construction must be:
 - (i) each wall of the enclosure exposed to the building; or
 - (ii) that part of the external wall of the building which extends 2 m each side of the enclosure and 3 m above the enclosure; or
 - (iii) a wall between the building and the enclosure which extends 2 m each side of the enclosure and 3 m above the enclosure.

13 Application

Openings in floors for services

Acceptable solution

Services passing through a floor must either be installed in shafts complying with the table above or protected in accordance with Specification FS1.

14 Application

Roofs

Acceptable solution

- (a) A roof need not have an FRL if its covering is non-combustible and the building:
 - (i) has a sprinkler system installed throughout; or
 - (ii) has a rise in storeys of 3 or less;
- (b) A roof superimposed on a concrete slab roof need not have an FRL or comply with (a) if:
 - (i) the superimposed roof and any construction between it and the concrete slab roof are non-combustible throughout; and
 - (ii) the concrete slab roof complies with FS1b,c,d or e.

15 Application
Service penetrations

Acceptable solution

Fire-isolated *exits* must not be penetrated by any services other than:

- (a) electrical wiring associated with a lighting or pressurisation system serving the *exit* or an intercommunication system in accordance with **[BCA clause D2.22 - re-entry from fire-isolated exits]**; or

Note: the D2.22 intercommunication system does not relate to fire safety

- (b) ducting associated with the pressurisation system if it:
 - (i) is constructed of material having an FRL of not less than 120/120/60 where it passes through any other part of the building; and
 - (ii) does not open into any other part of the building; or
- (c) water supply pipes for fire services.

16 Application
Doorways and windows

Acceptable solution

- (a)
 - (i) Doorways that open to fire-isolated stairways, fire-isolated passageways or fire-isolated ramps, and are not doorways opening to a road or open space, must be protected by - /60/30 fire doors that are self-closing, or automatic-closing in accordance with (ii) and (iii).
 - (ii) The automatic closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located not more than 1.5 m horizontal distance from the approach side of the opening.
 - (iii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system must also initiate the automatic- closing operation.
- (b) A window in an external wall of a fire-isolated stairway, fire-isolated passageway or fire-isolated ramp must be protected if it is within 6 m of, and exposed to:
 - (i) a fire-source feature; or
 - (ii) a window or other opening in a wall of the same building, other than in the same fire-isolated enclosure.

Protection must be provided by wall-wetting sprinklers, -/60/- fire windows (automatic or permanently fixed in the closed position) or - /60/- fire shutters.

17 Application
Enclosing construction of a fire-isolated passageway.

Acceptable solution

- (a) The construction must be non-combustible.

- (b) The top construction need not have an FRL if the walls of the *fire-isolated passageway* extend to the underside of
 - (i) a *non-combustible* roof covering; or
 - (ii) a ceiling having a *resistance to the incipient spread of fire* of not less than 60 minutes separating the roof space or ceiling space in all areas surrounding the passageway within the *fire compartment*.

18 Application

A doorway that is part of a horizontal exit

Acceptable solution

- (a) The doorway must be protected by a single fire door that has an FRL of not less than that of the fire wall except that the door must have an insulation level of at least 30.
- (b) Each door in a horizontal exit must be self-closing, or automatic-closing with:
 - (i) the automatic-closing operation initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening; and
 - (ii) where any other suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic-closing operation.

19 Application

A doorway that is part of a horizontal exit

Acceptable solution

- (a) The doorway must be protected by either:
 - (i) a single fire door that has an FRL of not less than that of the fire wall except that the door must have an insulation level of at least 30; or
 - (ii) 2 fire doors, one on each side of the doorway, each with an FRL of not less than 1/2 that of the fire wall except that each door must have an insulation level of at least 30.
- (b) Each door in a horizontal exit must be self-closing, or automatic-closing with:
 - (i) the automatic-closing operation initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening; and
 - (ii) where any other suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the

system in either fire compartment separated by the fire wall must also initiate the automatic-closing operation.

20 Application

- (a) A doorway that provides access from a sole-occupancy unit to:
 - (i) a public corridor, public hallway, or the like; or
 - (ii) a room not within a sole-occupancy unit; or
 - (iii) the landing of an internal non-fire-isolated stairway that serves as a required exit; or
 - (iv) another sole-occupancy unit.
- (b) A doorway that provides access from a room not within a sole-occupancy unit to:
 - (i) a public corridor, public hallway, or the like; or
 - (ii) the landing of an internal non-fire-isolated stairway that serves as a required exit.

Acceptable solution

The doorway must be protected by a self-closing - /60/30 fire door.

21 Application

A stairway or ramp (including any landings) that is required to be within a fire-resisting shaft

Acceptable solution

The stairway or ramp must be constructed:

- (a) of non-combustible materials; and
- (b) so that if there is local failure, it will not cause structural damage to, or impair the fire-resistance of, the shaft.

22 Application

Openings in fire-isolated lift shafts

Acceptable solution

- (a) Doorways - an entrance doorway to the shaft must be protected by - /60/ - fire doors that:
 - (i) comply with AS 1735.11; and
 - (ii) are set to remain closed except when discharging or receiving passengers, goods or vehicles.
- (b) Lift indicator panels - A lift call panel, indicator panel or other panel in the wall of the lift shaft must be backed by construction having an FRL of not less than - /60/60 if it exceeds 35 000 mm² in area.

FS1f

Application

In a building having a roof without an FRL, in the storey immediately below that roof:

- (a) internal columns, other than those that face and are within 1.5 m of a window and are exposed through that window to a fire-source feature; and
- (b) loadbearing internal walls other than fire walls.

Acceptable solution

The columns and walls may have:

- (a) in a building with rise in storeys exceeding 3, an FRL for integrity and insulation of 60.
- (b) in a building with rise in storeys not exceeding 3, no FRL

FS1g**Application**

The floor or roof above a floor designed for a live load not exceeding 3 kPa

Acceptable solution

- (a) The floor next above (including floor beams) may have an FRL of 90/90/90; or
- (b) the roof, if that is next above (including roof beams) may have an FRL of 90/60/30.

FS1h**Application**

Timber stage floors laid over a floor having the required FRL, where the space below the stage is not used as a dressing room, store room, or the like.

Acceptable solution

The floor need not have an FRL.

FS1i**Application**

In a building having a roof without an FRL, in the storey immediately below that roof:

- (a) internal columns, other than those that face and are within 1.5 m of a window and are exposed through that window to a fire-source feature; and
- (b) loadbearing internal walls other than fire walls.

Acceptable solution

The columns and walls may have an FRL of 60/60/60.

FS1j**Application**

Open deck and sprinklered carpark

Acceptable solution

Each building element listed in the table below must have an FRL not less than that listed. Building elements not listed below must comply with FS1e.

Building element	
Fire wall, lift or stair shaft FRL for integrity / insulation:	120/120
Enclosing construction of a fire-isolated passageway: (a) if the passageway discharges from a fire-isolated stairway or ramp FRL for integrity / insulation when tested for a fire outside the passageway:	120/120
(b) in any other case FRL for integrity / insulation when tested for a fire outside the passageway:	60/60
Any other internal wall FRL for integrity / insulation:	-/-
Floor separating fire compartments FRL for integrity / insulation:	120/120
Floor slab or vehicle ramp FRL for integrity / insulation:	60/60

FS1k

Application

Penetrations for pipes in the floor of a sanitary compartment, where the sanitary compartment is separated from other parts of the building by walls with the FRL required by FS1c, d or e for a stair shaft in the building and by a self-closing - /60/30 fire door

Acceptable solution

The penetration need not comply with specification FS1 if:

- (a) the pipe is of metal or UPVC; and
- (b) the penetration has a neatly-formed opening no larger than is necessary to accommodate the pipe or fitting; and
- (c) the gap between the pipe and the floor is fire-stopped in accordance with Specification FS1, *Fire stopping*.

FS1l

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp

Acceptable solution

The stairway, ramp or escalator may connect any number of storeys.

FS1m

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp that is not:

- (a) in an indoor sports stadium; or
- (b) in an *atrium*; or
- (c) outside a building; or
- (d) in a Class 5 or 6 building that is sprinklered throughout, where the escalator, walkway, stairway or ramp complies with Specification FS1m

Acceptable solution

Non-required stairways, ramps and escalators

The escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp must not connect, directly or indirectly, more than:

- (a) 3 storeys if each of those storeys is provided with a sprinkler system throughout; or
 - (b) 2 storeys,
- and those storeys must be consecutive, and one of those storeys must be situated at a level at which there is direct egress to a road or open space

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp that is:

- (a) in an indoor sports stadium; or
- (b) in an *atrium*; or
- (c) outside a building; or
- (d) in a Class 5 or 6 building that is sprinklered throughout, where the escalator, walkway, stairway or ramp complies with Specification FS1m.

Acceptable solution

The stairway, ramp or escalator may connect any number of storeys.

FS1n**Application**

A required exit that connects or passes through more than 2 consecutive storeys or 3 consecutive storeys if the building has a sprinkler system installed throughout.

Acceptable solution

The exit must be fire-isolated.

FS1o**Application**

Required exits that connect more than 3 consecutive storeys or 4 if the additional storey is only for the accommodation of motor vehicles or for other ancillary purposes.

Acceptable solution

The exit must be fire-isolated

FS1p

Application

Required exits that connect more than 2 consecutive storeys or 3 if the additional storey is only for the accommodation of motor vehicles or for other ancillary purposes.

Acceptable solution

The exit must be fire-isolated

FS1q

Application

A building where the distance to one of the exits is between 40 and 60 m in accordance with EP1p.

Acceptable solution

The room concerned must be smoke-separated from the circulation space by construction having an FRL of not less than 60/60/60 with every doorway in that construction protected by a tight fitting self-closing solid-core door not less than 35 mm thick.

FS1r

Application

Exits

Acceptable solution

- (a) Required exits need not be fire-isolated.
- (b) An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp may connect any number of storeys.

FS1s

Application

A building that has parts of different classifications located alongside one another in the same storey.

Acceptable solution

- (a) Each building element in that *storey* must have the higher FRL prescribed for that element for the classifications concerned; or
- (b) the parts must be separated in that storey by a fire wall with whichever is the greater of-
 - (i) an FRL of 90/90/90 if the parts are served in any storey by the same public corridor, public hallway, or the like; or
 - (ii) the higher FRL prescribed for the classifications concerned

Specification FS1

Options

The service must be installed so that:

- (a) the method and materials used are identical with a prototype assembly of the service and building element which has been tested in accordance with AS 4072.1 and AS 1530.4 and has achieved the required FRL or resistance to the incipient spread of fire; or
- (b) it complies with (a) except for the insulation criteria relating to the service and:
 - (i) the service is protected so that combustible material cannot be located within 100 mm of it; and
 - (ii) it is not located in a required exit; or
- (c) in the case of ventilating or air-conditioning ducts or equipment the installation is in accordance with AS 1668.1; or
- (d) the service is a metal pipe installed in accordance with *metal pipes* (below) and it:
 - (i) penetrates a wall, floor or ceiling, but not a ceiling required to have a resistance to the incipient spread of fire; and
 - (ii) connects not more than 2 fire compartments in addition to any fire-resisting service shafts; and
 - (iii) does not contain a flammable or combustible liquid or gas; or
- (e) the service is a wire or cable, or a cluster of wires or cables installed in accordance with *wires and cables* (below) and it:
 - (i) penetrates a wall, floor or ceiling, but not a ceiling required to have a resistance to the incipient spread of fire; and
 - (ii) connects not more than 2 fire compartments in addition to any fire-resisting service shafts; or
- (f) the service is an electrical switch, outlet, or the like, and it is installed in accordance with *electrical switches and outlets* (below).

Wires and cables

If a wire or cable or cluster of wires or cables penetrates a floor, wall or ceiling:

- (a) the opening must be neatly formed, cut or drilled and no closer than 50 mm to any other service opening; and
- (b) the opening must be no larger in cross-sectional area than:
 - (i) 2000 mm² if only a single cable is accommodated and the gap between cable and wall, floor or ceiling is no wider than 15 mm; or
 - (ii) 500 mm² in any other case; and
- (c) the gap between the service and the wall, floor or ceiling must be fire-stopped as detailed below.

Electrical switches and outlets

If an electrical switch, outlet, socket or the like is accommodated in an opening or recess in a wall, floor or ceiling:

- (a) the opening or recess must not:
 - (i) be located opposite any point within 300 mm horizontally or 600 mm vertically of any opening or recess on the opposite side of the wall; or
 - (ii) extend beyond half the thickness of the wall; and
- (b) the gap between the service and the wall, floor or ceiling must be fire-stopped as detailed below.

Metal pipes

- (a) A metal pipe that is not normally filled with liquid must not penetrate a wall, floor or ceiling within 100 mm of any *combustible* material, and must be constructed of:
 - (i) copper alloy or stainless steel with a wall thickness of at least 1 mm; or
 - (ii) cast iron or steel (other than stainless steel) with a wall thickness of at least 2 mm.
- (b) An opening for a metal pipe must-
 - (i) be neatly formed, cut or drilled; and
 - (ii) be no closer than 200 mm to any other service penetration; and
 - (iii) accommodate only one pipe.
- (c) A metal pipe must be wrapped but must not be lagged or enclosed in thermal *insulation* over the length of its penetration of a wall, floor or ceiling unless the lagging or thermal *insulation* fulfils the requirements of Clause 7.
- (d) The gap between a metal pipe and the wall, floor or ceiling it penetrates must be fire-stopped as detailed below.

Fire-stopping

- (a) **Material:** The material used for the fire-stopping of service penetrations must be concrete, high-temperature mineral fibre, high-temperature ceramic fibre or other material that does not flow at a temperature below 1120°C when tested in accordance with AS 1038.15, and must have:
 - (i) demonstrated in a system tested in accordance with *Options* (a) above that it does not impair the fire-resisting performance of the building element in which it is installed; or

Note circular reference

- (ii) demonstrated in a test in accordance with (e) that it does not impair the fire-resisting performance of the test slab.
- (b) **Installation:** Fire-stopping material must be packed into the gap between the service and wall, floor or ceiling in a manner, and compressed to the same degree, as adopted for testing under (a)(i) or (a)(ii).
- (c) **Hollow construction:** If a pipe penetrates a hollow wall (such as a stud wall, a cavity wall or a wall of hollow blockwork) or a hollow floor/ceiling system, the cavity must be so framed and packed with fire-stopping material that the material is-
 - (i) installed in accordance with (b) to a thickness of 25 mm all round the service for the full length of the penetration; and
 - (ii) restrained, independently of the service, from moving or parting from the surfaces of the service and of the wall, floor or ceiling.
- (d) **Recesses:** If an electrical switch, socket, outlet or the like is accommodated in a recess in a hollow wall or hollow floor/ceiling system-
 - (i) the cavity immediately behind the service must be framed and packed with fire-stopping material in accordance with Clause 7(c); or
 - (ii) the back and sides of the service must be protected with refractory lining board identical with and to the same thickness as that in which the service is installed.
- (e) **Test:** The test to demonstrate compliance of a fire-stopping material with this Specification must be conducted as follows:
 - (i) The test specimen must comprise a concrete slab not less than 1 m square and not more than 100 mm thick, and appropriately reinforced if

necessary for *structural adequacy* during manufacture, transport and testing.

- (ii) The slab must have a hole 50 mm in diameter through the centre and the hole must be packed with the fire-stopping material.
- (iii) The slab must be conditioned in accordance with AS 1530.4.
- (iv) Two thermocouples complying with AS 1530.4 must be attached to the upper surface of the packing each about 5 mm from its centre.
- (v) The slab must be tested on flat generally in accordance with Section 10 of AS 1530.4 and must achieve an FRL of 60/60/60 or as otherwise *required*.

Specification FS1m

Non-required stairways, ramps and escalators

- (a) The escalator, walkway, stairway or ramp must be bounded by a shaft of:
 - (i) construction with an FRL of not less than 120/120/120 if loadbearing or -/120/120 if non-loadbearing
 - (ii) glazed construction with an FRL of not less than - /60/30 and protected by a wall wetting system in accordance with FS5a.
- (b) the void of each non-required stairway, ramp or escalator must not connect more than 2 storeys.
- (c) rising and descending escalators, walkways, stairways and ramps within one shaft must be separated by construction with an FRL of not less than - /60/30.
- (d) openings into the shaft must be protected by fire doors with an FRL not less than - /60/30.
- (e) when a fire door is closed the floor or any covering over the floor beneath the fire door must not be combustible.
- (f) fire doors must be fitted with smoke seals and the assembly must be tested in accordance with AS 1530.4.

System designator

FS2

(Type B compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type B compartmentation.

FS2a

General requirements

Application	Acceptable solution
Building elements (other than external walls or roofs) that are required to have an FRL or a resistance to the incipient spread of fire	An electrical, electronic, plumbing, mechanical ventilation, air-conditioning or other service that penetrates the element must be installed so that the fire-resisting performance of the building element is not impaired and the installation complies with Specification FS1
Construction joints, spaces and the like in and between building elements required to be fire-resisting with respect to integrity and insulation.	Joints and spaces must be sealed with materials in a manner identical with a prototype tested in accordance with AS 1530.4 to achieve the required FRL.
Part of a building required to have an FRL.	The attachment of a facing or finish, or the installation of ducting or any other service, must not impair the required FRL of that part.
Fire doors	Fire doors must: (a) comply with AS 1905.1; and (b) not fail by radiation through any glazed part during the period specified for integrity in the required FRL.
Fire shutters	Fire shutters must: (a) (i) be identical with a tested prototype that has achieved the required FRL; and (ii) be installed in the same manner and in openings that are not larger than the tested prototype; and (iii) not have a rise in average temperature on the side remote from the furnace of more than 140 K during the first 30 minutes of the test; or (b) be steel shutters complying with AS 1905.2.
Fire windows	Fire windows must be:

	(a) identical in construction with a prototype that has achieved the required FRL; and (b) installed in the same manner and in openings that are not larger than the tested prototype.
Parts of different classifications, situated one above the other in adjoining storeys, where one of the adjoining parts is of Class 2, 3 or 4.	The underside of the floor (including the sides and underside of any floor beams) must have a fire-protective covering.

FS2b,c,d,e

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified and comply with the requirements listed in the table.

System designator	FS2b	FS2c	FS2d	FS2e
Building element				
COMMON WALLS AND FIRE WALLS FRL for integrity/insulation: Requirement:	90/90 1,2,3,4,5	120/120 1,2,3,4,5	180/180 1,2,3,4,5	240/240 1,2,3,4,6, FS2h
INTERNAL WALLS Fire-resisting lift and stair shafts - loadbearing FRL for integrity/insulation: Requirement:	90/90 4,7,8,9,10,1 6	120/120 4,7,8,9,10,1 6	120/120 4,7,8,9,10,1 6	120/120 4,7,8,9,10,1 6, FS2h
Fire-resisting stair shafts - non-loadbearing FRL for integrity/insulation: Requirement:	90/90 4,7,8,9,10,1 6	120/120 4,7,8,9,10,1 6	120/120 4,7,8,9,10,1 6	120/120 4,7,8,9,10,1 6, FS2h
Bounding public corridors, public hallways and the like FRL for integrity/insulation: Requirement:	60/60 4,18	-/- 4,	-/- 4,	-/- 4,
Between or bounding sole-occupancy units				

FRL for integrity/insulation: Requirement:	60/60 4,15,18	-/-	-/-	-/-
SEPARATING CONSTRUCTION - equipment installed in or near a building FRL for integrity / insulation: Requirement:	120/120 11,12	120/120 11,12	120/120 11,12	120/120 11,12
FLOORS Requirement: separating fire compartments (<i>definition of fire compartment</i>) FRL for integrity/insulation: Requirement:	FS2g 90/90	FS2g 120/120 FS2k	180/180 FS2k	240/240 FS2h, FS2k
ESCALATORS, MOVING WALKWAYS AND NON-REQUIRED NON-FIRE-ISOLATED STAIRWAYS AND PEDESTRIAN RAMPS Requirement:	FS2j	FS2j	FS2j	FS2i, FS2j
FIRE-ISOLATED EXITS Requirements:	13,14, FS2l, FS2m	13,14, FS2f, FS2n,	13,14, FS2f	13,14, FS2f
Enclosing construction of a fire-isolated passageway. (a) if the passageway discharges from a fire- isolated stairway or ramp FRL for integrity / insulation when tested for a fire outside the passageway: Requirement: (b) in any other case FRL for integrity / insulation when tested for a fire outside the passageway: Requirement:	90/90 17 60/60 17	120/120 17 60/60 17	120/120 17 60/60 17	120/120 17 60/60 17, FS1j

1 Application

Walls separating fire compartments or buildings

Acceptable solution

- (a) *(definition of fire compartment)* An internal wall that is the boundary of a fire compartment must be a fire wall.
- (b) A wall that separates two buildings must be a fire wall and:
 - (i) extend through all storeys and spaces in the nature of storeys that are common to that part and any adjoining part of the building; and
 - (ii) be carried through to the underside of the roof covering; and
 - (iii) have the relevant FRL for each of the adjoining parts, and if these are different, the greater FRL; and
 - (iv) have no combustible building elements passing through it or crossing it, except for roof battens with dimensions of 75 mm x 50 mm or less.
 - (v) where the roof of one of the adjoining parts is lower than the roof of the other part, extend to the underside of:
 - (A) the covering of the higher roof, or not less than 6 m above the covering of the lower roof; or
 - (B) the lower roof if it has an FRL not less than that of the fire wall and no openings closer than 3 m to any wall above the lower roof; or
 - (C) the lower roof if its covering is non-combustible and the lower part has a sprinkler system.

2 Application

Doorways in fire walls

Acceptable solution

- (a) The aggregate width of openings for doorways in a fire wall, which are not part of a horizontal exit, must not exceed 1/2 of the length of the fire wall, and each doorway must be protected by:
 - (i) 2 fire doors or fire shutters, one on each side of the doorway, each of which has an FRL of not less than 1/2 that of the fire wall except that each door or shutter must have an insulation level of at least 30; or
 - (ii) a fire door on one side and a fire shutter on the other side of the doorway, each of which complies with (i); or
 - (iii) a single fire door or fire shutter which has an FRL of not less than that of the fire wall except that each door or shutter must have an insulation level of at least 30.
- (b)
 - (i) A fire door or fire shutter required by (a)(i), (a)(ii) or (a)(iii) must be self-closing, or automatic closing in accordance with (ii) and (iii).
 - (ii) The automatic closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening.
 - (iii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic closing operation.

3 Application

Sliding fire doors

Acceptable solution

- (a) If a doorway in a fire wall is fitted with a sliding fire door which is open when the building is in use:
 - (i) it must be held open with an electromagnetic device, which when de-activated in accordance with (b), allows the door to be fully closed not less than 20 seconds, and not more than 30 seconds, after release; and
 - (ii) in the event of power failure to the door - the door must fail safe in the closed position in accordance with (i); and
 - (iii) an audible warning device must be located near the doorway and a red flashing warning light of a suitable intensity on each side of the doorway must be activated in accordance with (b); and
 - (iv) signs must be installed on each side of the doorway located directly over the opening stating:
WARNING- SLIDING FIRE DOOR
in capital letters not less than 50 mm high in a colour contrasting with the background.
- (b)
 - (i) The electromagnetic device must be de-activated and the warning system activated by heat or smoke detectors, as appropriate, installed in accordance with AS 1905.1 and the relevant provisions of AS 1670.
 - (ii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation in either fire compartment separated by the fire wall must also de-activate the electromagnetic device and activate the warning system.

4 Application

Any internal wall which is required to have an FRL, except a wall that bounds a sole-occupancy unit in the topmost (or only) storey and there is only one unit in that storey.

Acceptable solution

The wall must extend to:

- (a) the underside of the floor next above if that floor has an FRL of at least 30/30/30; or
- (b) the underside of a ceiling having a resistance to the incipient spread of fire to the space above of not less than 60 minutes; or
- (c) the underside of the roof covering if it is non-combustible and, except for roof battens with dimensions of 75 mm x 50 mm or less, must not be crossed by timber or other combustible building elements; or
- (d) 450 mm above the roof covering if it is combustible.

5 Application

A doorway that is part of a horizontal exit

Acceptable solution

Protection of doorways in horizontal exits

- (a) The doorway must be protected by a single fire door that has an FRL of not less than that of the fire wall except that the door must have an insulation level of at least 30.
- (b) Each door in a horizontal exit must be self-closing, or automatic-closing with:
 - (i) the automatic-closing operation initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening; and
 - (ii) where any other suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic-closing operation.

6 Application

A doorway that is part of a horizontal exit

Acceptable solution

- (a) The doorway must be protected by either:
 - (i) a single fire door that has an FRL of not less than that of the fire wall except that the door must have an insulation level of at least 30; or
 - (ii) 2 fire doors, one on each side of the doorway, each with an FRL of not less than 1/2 that of the fire wall except that each door must have an insulation level of at least 30.
- (b) Each door in a horizontal exit must be self-closing, or automatic-closing with:
 - (i) the automatic-closing operation initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening; and
 - (ii) where any other suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic-closing operation.

7 Application

Stairways and lifts

Acceptable solution

A stairway and lift must not be in the same shaft if either the stairway or the lift is required to be in a fire-resisting shaft.

8 Application

Openings in fire-isolated lift shafts

Acceptable solution

- (a) Doorways - an entrance doorway to the shaft must be protected by - /60/ - fire doors that:
 - (i) comply with AS 1735.11; and
 - (ii) are set to remain closed except when discharging or receiving passengers, goods or vehicles.
- (b) Lift indicator panels - A lift call panel, indicator panel or other panel in the wall of the lift shaft must be backed by construction having an FRL of not less than - /60/60 if it exceeds 35 000 mm² in area.

9 Application

Enclosure of shafts required to have an FRL

Acceptable solution

Shafts must be enclosed at the top and bottom by construction having an FRL not less than that required for the walls of a non-loadbearing shaft in the same building, except that these provisions need not apply to:

- (a) the top of a shaft extending beyond the roof covering, other than one enclosing a fire-isolated stairway or ramp; or
- (b) the bottom of a shaft if it is non-combustible and laid directly on the ground.

10 Application

Lifts (other than lifts which are wholly within an atrium) connecting more than:

- (a) 2 storeys; or
- (b) 3 storeys if the building is sprinklered.

Acceptable solution

- (a) The lift must be separated from the remainder of the building by enclosure in a shaft in which the walls are:
 - (i) in accordance with the table if the shaft is loadbearing; or
 - (ii) of non-combustible construction if the shaft is non-loadbearing.
- (b) Openings for lift landing doors and services must be protected as follows:
 - (i) Doorways - an entrance doorway to the shaft must be protected by - /60/ - fire doors that:
 - (A) comply with AS 1735.11; and
 - (B) are set to remain closed except when discharging or receiving passengers, goods or vehicles.
 - (ii) Lift indicator panels - A lift call panel, indicator panel or other panel in the wall of the lift shaft must be backed by construction having an FRL of not less than - /60/60 if it exceeds 35 000 mm² in area.

11 Application

Equipment comprising:

- (a) Lift motors and lift control panels, except separating construction between the lift shaft and the lift motor room; or
 - (b) emergency generators or central smoke control plant; or
 - (c) boilers; or
 - (d) batteries
- installed in or near a building, but not:
- (e) smoke control exhaust fans located in the air stream which are constructed for high temperature operation in accordance with AS6; or
 - (f) stair pressurising equipment installed in compliance with the relevant provisions of AS 1668.1; or
 - (g) on-site fire pumps.

Acceptable solution

Equipment must be separated from the remainder of the building by construction that:

- (a) has an FRL not less than 120/120/120; and
- (b) has any doorway protected with a self-closing fire door having an FRL of not less than -/120/30.

12 Application

On-site fire pumps.

Acceptable solution

On-site fire pumps must:

- (a) if within a building that is not protected throughout with a *sprinkler system*, be separated from the remainder of the building by construction having an FRL of not less than that *required* for a *fire wall* for the particular building; and
- (b) if fixed externally to the building within an enclosure and within 6 m of the building, be separated from the building by construction with an FRL of not less than that *required* for a *fire wall* for the particular building. The separating construction must be:
 - (i) each wall of the enclosure exposed to the building; or
 - (ii) that part of the external wall of the building which extends 2 m each side of the enclosure and 3 m above the enclosure; or
 - (iii) a wall between the building and the enclosure which extends 2 m each side of the enclosure and 3 m above the enclosure.

13 Application

Service penetrations

Acceptable solution

Fire-isolated *exits* must not be penetrated by any services other than:

- (a) electrical wiring associated with a lighting or pressurisation system serving the *exit* or an intercommunication system in accordance with **[BCA clause D2.22 - re-entry from fire-isolated exits]**; or

Note: the D2.22 intercommunication system does not relate to fire safety

- (b) ducting associated with the pressurisation system if it:
 - (i) is constructed of material having an FRL of not less than 120/120/60 where it passes through any other part of the building; and
 - (ii) does not open into any other part of the building; or
- (c) water supply pipes for fire services.

14 Application

Doorways and windows

Acceptable solution

- (a) (i) Doorways that open to fire-isolated stairways, fire-isolated passageways or fire-isolated ramps, and are not doorways opening to a road or open space, must be protected by - /60/30 fire doors that are self-closing, or automatic-closing in accordance with (ii) and (iii).
 - (ii) The automatic closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located not more than 1.5 m horizontal distance from the approach side of the opening.
 - (iii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system must also initiate the automatic- closing operation.
- (b) A window in an external wall of a fire-isolated stairway, fire-isolated passageway or fire-isolated ramp must be protected if it is within 6 m of, and exposed to:
 - (i) a fire-source feature; or
 - (ii) a window or other opening in a wall of the same building, other than in the same fire-isolated enclosure.

Protection must be provided by wall-wetting sprinklers, -/60/- fire windows (automatic or permanently fixed in the closed position) or - /60/- fire shutters.

15 Application

Doorways in construction bounding a sole-occupancy unit.

Acceptable solution

- (a) Protection for a doorway must be at least a self-closing, tight fitting, solid core door, not less than 35 mm thick.
- (b) The door may be automatic-closing; and
 - (i) the automatic-closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located not more than 1.5 m horizontal distance from the approach side of the opening; and

- (ii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system must also initiate the automatic- closing operation.

16 Application

A stairway or ramp (including any landings) that is required to be within a fire-resisting shaft

Acceptable solution

The stairway or ramp must be constructed:

- (a) of non-combustible materials; and
- (b) so that if there is local failure, it will not cause structural damage to, or impair the fire-resistance of, the shaft.

17 Application

Enclosing construction of a fire-isolated passageway.

Acceptable solution

- (a) The construction must be non-combustible.
- (b) The top construction need not have an FRL if the walls of the *fire-isolated passageway* extend to the underside of:
 - (i) a *non-combustible* roof covering; or
 - (ii) a ceiling having a *resistance to the incipient spread of fire* of not less than 60 minutes separating the roof space or ceiling space in all areas surrounding the passageway within the *fire compartment*.

18 Application

- (a) A doorway that provides access from a sole-occupancy unit to:
 - (i) a public corridor, public hallway, or the like; or
 - (ii) a room not within a sole-occupancy unit; or
 - (iii) the landing of an internal non-fire-isolated stairway that serves as a required exit; or
 - (iv) another sole-occupancy unit.
- (b) A doorway that provides access from a room not within a sole-occupancy unit to:
 - (i) a public corridor, public hallway, or the like; or
 - (ii) the landing of an internal non-fire-isolated stairway that serves as a required exit.

Acceptable solution

The doorway must be protected by a self-closing, tight-fitting, solid core door, not less than 35 mm thick.

FS2f

Application

A required exit that connects or passes through more than 2 consecutive storeys or

3 consecutive storeys if the building has a sprinkler system installed throughout.

Acceptable solution

The exit must be fire-isolated.

FS2g

Application

A floor separating storeys or above a space for the accommodation of motor vehicles or used for storage or any other ancillary purpose.

Acceptable solution

The floor must:

- (a) be constructed so that it is at least of the standard achieved by a floor/ceiling system incorporating a ceiling which has a resistance to the incipient spread of fire to the space above of not less than 60 minutes; or
- (b) if the floor is combustibile or of metal, or has an FRL less than 30/30/30, have a fire-protective covering on the underside of the floor, including beams incorporated in it.

FS2h

Application

Open deck or sprinklered carparks

Acceptable solution

Each building element listed in the table below must have an FRL not less than that listed. Building elements not listed must comply with FS2e.

Building element	
Fire wall, lift or stair shaft FRL for integrity / insulation:	120/120
Enclosing construction of a fire-isolated passageway. (a) if the passageway discharges from a fire-isolated stairway or ramp FRL for integrity / insulation when tested for a fire outside the passageway:	120/120
(b) in any other case FRL for integrity / insulation when tested for a fire outside the passageway:	60/60
Any other internal wall FRL for integrity / insulation:	-/-
Floor separating fire compartments FRL for integrity / insulation:	120/120

FS2i

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp

Acceptable solution

The stairway, ramp or escalator may connect any number of storeys.

FS2j

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp that is not:

- (a) in an indoor sports stadium; or
- (b) in an *atrium*; or
- (c) outside a building; or
- (d) in a Class 5 or 6 building that is sprinklered throughout, where the escalator, walkway, stairway or ramp complies with Specification FS1m

Acceptable solution

Non-required stairways, ramps and escalators

The escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp must not connect more than:

- (a) 3 storeys if each of those storeys is provided with a sprinkler system throughout; or
 - (b) 2 storeys,
- and those storeys must be consecutive, and one of those storeys must be situated at a level at which there is direct egress to a road or open space

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp that is:

- (a) in an indoor sports stadium; or
- (b) in an *atrium*; or
- (c) outside a building; or
- (d) in a Class 5 or 6 building that is sprinklered throughout, where the escalator, walkway, stairway or ramp complies with Specification FS1m

Acceptable solution

The stairway, ramp or escalator may connect any number of storeys.

FS2k

Application

Penetrations for pipes in the floor of a sanitary compartment, where the sanitary compartment is separated from other parts of the building by walls with the FRL

required by FS2c, d or e for a stair shaft in the building and by a self-closing - /60/30 fire door

Acceptable solution

The penetration need not comply with specification FS1 if:

- (a) the pipe is of metal or UPVC; and
- (b) the penetration has a neatly-formed opening no larger than is necessary to accommodate the pipe or fitting; and
- (c) the gap between the pipe and the floor is fire-stopped in accordance with Specification FS1, *Fire stopping*.

FS2l

Application

Fire-isolated exits that connect more than 3 consecutive storeys or 4 if the additional storey is only for the accommodation of motor vehicles or for other ancillary purposes.

Acceptable solution

The required exit must be fire-isolated

FS2m

Application

Fire-isolated exits that connect more than 2 consecutive storeys or 3 if the additional storey is only for the accommodation of motor vehicles or for other ancillary purposes.

Acceptable solution

The required exit must be fire-isolated

FS2n

Application

A building where the distance to one of the exits is between 40 and 60 m in accordance with EP1p.

Acceptable solution

The room concerned must be smoke-separated from the circulation space by construction having an FRL of not less than 60/60/60 with every doorway in that construction protected by a tight fitting self-closing solid-core door not less than 35 mm thick.

FS2o

Application

Exits

Acceptable solution

- (a) Required exits need not be fire-isolated.
- (b) An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp may connect any number of storeys.

System designator

FS3

(Type C compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA Type C compartmentation.

FS3a

General requirements

Application	Acceptable solution
Building elements (other than external walls or roofs) that are required to have an FRL or a resistance to the incipient spread of fire	An electrical, electronic, plumbing, mechanical ventilation, air-conditioning or other service that penetrates the element must be installed so that the fire-resisting performance of the building element is not impaired and the installation complies with Specification FS1
Construction joints, spaces and the like in and between building elements required to be fire-resisting with respect to integrity and insulation.	Joints and spaces must be sealed with materials in a manner identical with a prototype tested in accordance with AS 1530.4 to achieve the required FRL.
Part of a building required to have an FRL.	The attachment of a facing or finish, or the installation of ducting or any other service, must not impair the required FRL of that part.
Fire doors	Fire doors must: (a) comply with AS 1905.1; and (b) not fail by radiation through any glazed part during the period specified for integrity in the required FRL.
Fire shutters	Fire shutters must: (a) (i) be identical with a tested prototype that has achieved the required FRL; and (ii) be installed in the same manner and in openings that are not larger than the tested prototype; and (iii) not have a rise in average temperature on the side remote from the furnace of more than 140 K during the first 30 minutes of the test; or (b) be steel shutters complying with AS 1905.2.
Fire windows	Fire windows must be:

	(a) identical in construction with a prototype that has achieved the required FRL; and (b) installed in the same manner and in openings that are not larger than the tested prototype.
Parts of different classifications, situated one above the other in adjoining storeys, where one of the adjoining parts is of Class 2, 3 or 4.	The underside of the floor (including the sides and underside of any floor beams) must have a fire-protective covering.

FS3b,c,d,e

Acceptable solution

Each building element listed in the table below and any beam or column incorporated in it must have an FRL not less than that specified and comply with the requirements listed in the table.

System designator	FS3b	FS3c	FS3d	FS3e
Building element				
COMMON WALLS AND FIRE WALLS FRL for integrity/insulation: Requirement:	90/90 1,2,3,10	90/90 1,2,3,10,	90/90 1,2,3,10,	90/90 1,2,3,11, FS3o
INTERNAL WALLS Bounding a stair if required to be rated FRL for integrity/insulation: Requirement:	60/60 4,5,13,15			
Bounding public corridors, public hallways and the like FRL for integrity/insulation: Requirement:	60/60 13			
Between or bounding sole-occupancy units FRL for integrity/insulation: Requirement:	60/60 12,13,14			
SEPARATING CONSTRUCTION - equipment installed in or near a building FRL for integrity / insulation: Requirement:	120/120 6,7	120/120 6,7	120/120 6,7	120/120 6,7
FLOORS Requirement:	FS3g,	FS3g,		

separating fire compartments (<i>definition of fire compartment</i>) FRL for integrity/insulation: Requirement:	90/90	90/90 FS3h	90/90 FS3h	90/90 FS3h, FS3o
FIRE-ISOLATED EXITS Requirements:	8,9, FS3j, FS3k	8,9, FS3f, FS3m, FS3n	8,9, FS3f,	8,9, FS3f,
Enclosing construction of a fire-isolated passageway. (a) if the passageway discharges from a fire-isolated stairway or ramp FRL for integrity / insulation when tested for a fire outside the passageway: Requirement:	60/60 16			
(b) in any other case FRL for integrity / insulation when tested for a fire outside the passageway: Requirement:	60/60 16	60/60 16	60/60 16	60/60 16
ESCALATORS, MOVING WALKWAYS AND NON- REQUIRED NON-FIRE- ISOLATED STAIRWAYS AND PEDESTRIAN RAMPS Requirement:	FS3i	FS3i, FS3n	FS3i	FS3i, FS3l

1 Application

Walls separating fire compartments or buildings

Acceptable solution

- (a) (*definition of fire compartment*) An internal wall that is the boundary of a fire compartment must be a fire wall.
- (b) A wall that separates two buildings must be a fire wall and:
 - (i) extend through all storeys and spaces in the nature of storeys that are common to that part and any adjoining part of the building; and
 - (ii) be carried through to the underside of the roof covering; and
 - (iii) have the relevant FRL for each of the adjoining parts, and if these are different, the greater FRL; and
 - (iv) have no combustible building elements passing through it or crossing it, except for roof battens with dimensions of 75 mm x 50 mm or less.
 - (v) where the roof of one of the adjoining parts is lower than the roof of the other part, extend to the underside of:
 - (A) the covering of the higher roof, or not less than 6 m above the covering of the lower roof; or

- (B) the lower roof if it has an FRL not less than that of the fire wall and no openings closer than 3 m to any wall above the lower roof; or
- (C) the lower roof if its covering is non-combustible and the lower part has a sprinkler system.

2 Application

Doorways in fire walls

Acceptable solution

- (a) The aggregate width of openings for doorways in a fire wall, which are not part of a horizontal exit, must not exceed 1/2 of the length of the fire wall, and each doorway must be protected by:
 - (i) 2 fire doors or fire shutters, one on each side of the doorway, each of which has an FRL of not less than 1/2 that of the fire wall except that each door or shutter must have an insulation level of at least 30; or
 - (ii) a fire door on one side and a fire shutter on the other side of the doorway, each of which complies with (i); or
 - (iii) a single fire door or fire shutter which has an FRL of not less than that of the fire wall except that each door or shutter must have an insulation level of at least 30.
- (b)
 - (i) A fire door or fire shutter required by (a)(i), (a)(ii) or (a)(iii) must be self-closing, or automatic closing in accordance with (ii) and (iii).
 - (ii) The automatic closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening.
 - (iii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic closing operation.

3 Application

Sliding fire doors

Acceptable solution

- (a) If a doorway in a fire wall is fitted with a sliding fire door which is open when the building is in use:
 - (i) it must be held open with an electromagnetic device, which when de-activated in accordance with (b), allows the door to be fully closed not less than 20 seconds, and not more than 30 seconds, after release; and
 - (ii) in the event of power failure to the door - the door must fail safe in the closed position in accordance with (i); and
 - (iii) an audible warning device must be located near the doorway and a red flashing warning light of a suitable intensity on each

- side of the doorway must be activated in accordance with (b);
and
- (iv) signs must be installed on each side of the doorway located directly over the opening stating:
WARNING- SLIDING FIRE DOOR
 in capital letters not less than 50 mm high in a colour contrasting with the background.
- (b) (i) The electromagnetic device must be de-activated and the warning system activated by heat or smoke detectors, as appropriate, installed in accordance with AS 1905.1 and the relevant provisions of AS 1670.
- (ii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation in either fire compartment separated by the fire wall must also deactivate the electromagnetic device and activate the warning system.

4 Application

Stairways and lifts in one shaft

Acceptable solution

A stairway and lift must not be in the same shaft if either the stairway or the lift is required to be in a fire-resisting shaft.

5 Application

Enclosure of shafts required to have an FRL

Acceptable solution

Shafts must be enclosed at the top and bottom by construction having an FRL not less than that required for the walls of a non-loadbearing shaft in the same building, except that these provisions need not apply to:

- (a) the top of a shaft extending beyond the roof covering, other than one enclosing a fire-isolated stairway or ramp; or
- (b) the bottom of a shaft if it is non-combustible and laid directly on the ground.

6 Application

Equipment comprising:

- (a) Lift motors and lift control panels, except separating construction between the lift shaft and the lift motor room; or
 - (b) emergency generators or central smoke control plant; or
 - (c) boilers; or
 - (d) batteries
- installed in or near a building, but not:
- (e) smoke control exhaust fans located in the air stream which are constructed for high temperature operation in accordance with AS6; or
 - (f) stair pressurising equipment installed in compliance with the relevant provisions of AS 1668.1; or
 - (g) on-site fire pumps.

Acceptable solution

- (a) The equipment must be suitably separated from the remainder of the building.
- (b) The separating construction must have any doorway protected with a self-closing fire door having an FRL of not less than -/120/30.

7 Application

On-site fire pumps.

Acceptable solution

On-site fire pumps must:

- (a) if within a building that is not protected throughout with a *sprinkler system*, be separated from the remainder of the building by construction having an FRL of not less than that *required* for a *fire wall* for the particular building; and
- (b) if fixed externally to the building within an enclosure and within 6 m of the building, be separated from the building by construction with an FRL of not less than that *required* for a *fire wall* for the particular building. The separating construction must be:
 - (i) each wall of the enclosure exposed to the building; or
 - (ii) that part of the external wall of the building which extends 2 m each side of the enclosure and 3 m above the enclosure; or
 - (iii) a wall between the building and the enclosure which extends 2 m each side of the enclosure and 3 m above the enclosure.

8 Application

Service penetrations

Acceptable solution

Fire-isolated *exits* must not be penetrated by any services other than:

- (a) electrical wiring associated with a lighting or pressurisation system serving the *exit* or an intercommunication system in accordance with **[BCA clause D2.22 - re-entry from fire-isolated exits]**; or

Note: the D2.22 intercommunication system does not relate to fire safety

- (b) ducting associated with the pressurisation system if it:
 - (i) is constructed of material having an FRL of not less than 120/120/60 where it passes through any other part of the building; and
 - (ii) does not open into any other part of the building; or
- (c) water supply pipes for fire services.

9 Application

Doorways and windows

Acceptable solution

- (a) (i) Doorways that open to fire-isolated stairways, fire-isolated passageways or fire-isolated ramps, and are not doorways

opening to a road or open space, must be protected by - /60/30 fire doors that are self-closing, or automatic-closing in accordance with (ii) and (iii).

- (ii) The automatic closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located not more than 1.5 m horizontal distance from the approach side of the opening.
 - (iii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system must also initiate the automatic- closing operation.
- (b) A window in an external wall of a fire-isolated stairway, fire-isolated passageway or fire-isolated ramp must be protected if it is within 6 m of, and exposed to:
- (i) a fire-source feature; or
 - (ii) a window or other opening in a wall of the same building, other than in the same fire-isolated enclosure.
- Protection must be provided by wall-wetting sprinklers, -/60/- fire windows (automatic or permanently fixed in the closed position) or - /60/- fire shutters.

10 Application

A doorway that is part of a horizontal exit

Acceptable solution

Protection of doorways in horizontal exits

- (a) The doorway must be protected by a single fire door that has an FRL of not less than that of the fire wall except that the door must have an insulation level of at least 30.
- (b) Each door in a horizontal exit must be self-closing, or automatic-closing with:
 - (i) the automatic-closing operation initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening; and
 - (ii) where any other suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic-closing operation.

11 Application

A doorway that is part of a horizontal exit

Acceptable solution

- (a) The doorway must be protected by either:

- (i) a single fire door that has an FRL of not less than that of the fire wall except that the door must have an insulation level of at least 30; or
 - (ii) 2 fire doors, one on each side of the doorway, each with an FRL of not less than 1/2 that of the fire wall except that each door must have an insulation level of at least 30.
- (b) Each door in a horizontal exit must be self-closing, or automatic-closing with:
- (i) the automatic-closing operation initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located on each side of the fire wall not more than 1.5 m horizontal distance from the opening; and
 - (ii) where any other suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system in either fire compartment separated by the fire wall must also initiate the automatic-closing operation.

12 Application

Doorways in construction bounding a sole-occupancy unit. **Acceptable solution**

- (a) Protection for the doorway must be at least a self-closing, tight fitting, solid core door, not less than 35 mm thick.
- (b) The door may be automatic-closing; and
 - (i) the automatic-closing operation must be initiated by the activation of a smoke detector, or a heat detector if smoke detectors are unsuitable in the atmosphere, installed in accordance with the relevant provisions of AS 1670 and located not more than 1.5 m horizontal distance from the approach side of the opening; and
 - (ii) Where any other required suitable fire alarm system, including a sprinkler system, is installed in the building, activation of the system must also initiate the automatic-closing operation.

13 Application

An internal wall which is required by FS3b to have an FRL

Acceptable solution

The wall must extend:

- (a) to the underside of the floor next above if that floor has an FRL of at least 30/30/30 or a fire-protective covering on the underside of the floor; or
- (b) to the underside of a ceiling having a resistance to the incipient spread of fire to the space above itself of not less than 60 minutes; or
- (c) to the underside of the roof covering if it is non-combustible, and except for roof battens with dimensions of 75 mm x 50 mm or less, must not be crossed by timber or other combustible building elements; or

- (d) 450 mm above the roof covering if it is combustible.

14 Application

- (a) A doorway that provides access from a sole-occupancy unit to:
 - (i) a public corridor, public hallway, or the like; or
 - (ii) a room not within a sole-occupancy unit; or
 - (iii) the landing of an internal non-fire-isolated stairway that serves as a required exit; or
 - (iv) another sole-occupancy unit.
- (b) A doorway that provides access from a room not within a sole-occupancy unit to:
 - (i) a public corridor, public hallway, or the like; or
 - (ii) the landing of an internal non-fire-isolated stairway that serves as a required exit.

Acceptable solution

The doorway must be protected by:

- (a) internal or *external wall*-wetting sprinklers as appropriate; or
- (b) - /60/30 fire doors (*self-closing* or *automatic* closing).

15 Application

A stairway or ramp (including any landings) that is required to be within a fire-resisting shaft

Acceptable solution

The stairway or ramp must be constructed:

- (a) of non-combustible materials; and
- (b) so that if there is local failure, it will not cause structural damage to, or impair the fire-resistance of, the shaft.

16 Application

Enclosing construction of a fire-isolated passageway.

Acceptable solution

- (a) The construction must be non-combustible.
- (b) The top construction need not have an FRL if the walls of the *fire-isolated passageway* extend to the underside of:
 - (i) a *non-combustible* roof covering; or
 - (ii) a ceiling having a *resistance to the incipient spread of fire* of not less than 60 minutes separating the roof space or ceiling space in all areas surrounding the passageway within the *fire compartment*.

FS3f

Application

A required exit that connects or passes through more than 2 consecutive storeys or 3 consecutive storeys if the building has a sprinkler system installed throughout.

Acceptable solution

The exit must be fire-isolated.

FS3g

Application

A floor separating storeys, or above a space for the accommodation of motor vehicles or used for storage or any other ancillary purpose, and any column supporting the floor

Acceptable solution

The floor must:

- (a) have an FRL of at least 30/ 30/ 30; or
- (b) have a fire-protective covering on the underside of the floor including beams incorporated in it and around the column, if the floor or column is combustible or of metal.

FS3h

Application

Penetrations for pipes in the floor of a sanitary compartment, where the sanitary compartment is separated from other parts of the building by walls with the FRL required by FS3c, d or e for a stair shaft in the building and by a self-closing - /60/30 fire door

Acceptable solution

The penetration need not comply with specification FS1 if:

- (a) the pipe is of metal or UPVC; and
- (b) the penetration has a neatly-formed opening no larger than is necessary to accommodate the pipe or fitting; and
- (c) the gap between the pipe and the floor is fire-stopped in accordance with Specification FS1, *Fire stopping*.

FS3i

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp that is not:

- (a) in an indoor sports stadium; or
- (b) in an *atrium*; or
- (c) outside a building; or
- (d) in a Class 5 or 6 building that is sprinklered throughout, where the escalator, walkway, stairway or ramp complies with Specification FS1m

Acceptable solution

Non-required stairways, ramps and escalators

The escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp must not connect, directly or indirectly, more than:

- (a) 3 storeys if each of those storeys is provided with a sprinkler system throughout; or
- (b) 2 storeys,

and those storeys must be consecutive, and one of those storeys must be situated at a level at which there is direct egress to a road or open space

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp that is:

- (a) in an indoor sports stadium; or
- (b) in an *atrium*; or
- (c) outside a building; or
- (d) in a Class 5 or 6 building that is sprinklered throughout, where the escalator, walkway, stairway or ramp complies with Specification FS1m.

Acceptable solution

The stairway, ramp or escalator may connect any number of storeys.

FS3j

Application

Exits that connect more than 3 consecutive storeys or 4 if the additional storey is only for the accommodation of motor vehicles or for other ancillary purposes.

Acceptable solution

The required exit must be fire-isolated

FS3k

Application

Exits that connect more than 2 consecutive storeys or 3 if the additional storey is only for the accommodation of motor vehicles or for other ancillary purposes.

Acceptable solution

The required exit must be fire-isolated

FS3l

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp

Acceptable solution

The stairway, ramp and escalator may connect any number of storeys.

FS3m

Application

A building where the distance to one of the exits is between 40 and 60 m in accordance with EP1p.

Acceptable solution

The room concerned must be smoke-separated from the circulation space by construction having an FRL of not less than 60/60/60 with every doorway in that

construction protected by a tight fitting self-closing solid-core door not less than 35 mm thick.

FS3n

Application

Exits

Acceptable solution

- (a) Required exits need not be fire-isolated.
- (b) An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp may connect any number of storeys.

FS3o

Application

Open deck and sprinklered carpark

Acceptable solution

Fire walls and floors separating fire compartments are not required.

Note: there is no restriction on floor area for these carpark.

System designator

FS4

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

We are unable to establish the intent of these requirements, which correspond to BCA multi-storey timber-framed construction.

FS4a

Application

Buildings with a rise in storeys of not more than 4.

Acceptable solution

(a) A building having a rise in storeys of not more than 3 may be constructed using:

- (i) timber framing throughout; or
- (ii) non-combustible material throughout; or
- (iii) a combination of (i) and (ii),

provided:

- (iv) any fire wall or internal wall required to be fire-resisting that extends to the underside of the non-combustible roof covering is, except for roof battens with dimensions of 75 mm x 50 mm or less, not crossed by timber or other combustible building elements; and
 - (v) any insulation installed in the cavity of a wall required to have an FRL is non-combustible; and
 - (vi) the building is fitted with an automatic smoke alarm system complying with FD5.
- (b) A building having a rise in storeys of not more than 4 may have the top three storeys constructed in accordance with (a) provided the lowest storey is used solely for the purpose of parking motor vehicles or for some other ancillary purpose and the construction of that storey, including the floor between it and the storey above, is of concrete or masonry.

FS4b

Application

Buildings with a rise in storeys of not more than 4.

Acceptable solution

In a building complying with FS4a and fitted with a sprinkler system, any FRL criterion prescribed in FS1b

- (a) for any floor and any loadbearing wall, may be reduced to 60, except any FRL criterion of 90 for an external wall must be maintained when tested from the outside; and
- (b) for any non-loadbearing internal wall, need not apply if:
 - (i) it is lined on each side with 13 mm standard grade plasterboard or similar non-combustible material; and

- (ii) it extends:
 - (A) to the underside of the floor next above; or
 - (B) to the underside of a ceiling with a resistance to the incipient spread of fire of 60 minutes; or
 - (C) to the underside of a non-combustible roof covering; and
- (iii) any insulation installed in the cavity of the wall is non-combustible; and
- (iv) any construction joint, space or the like between the top of the wall and the floor, ceiling or roof is smoke sealed with intumescent putty or other suitable material; and
- (v) any doorway in the wall is protected by a self-closing, tight fitting, solid core door not less than 35 mm thick.

FS4c

Application

Buildings with a rise in storeys of not more than 2.

Acceptable solution

A building having a rise in storeys of not more than 2 may be constructed using:

- (a) timber framing throughout; or
 - (b) non-combustible material throughout; or
 - (c) a combination of (a) and (b),
- provided:
- (d) any fire wall or internal wall required to be fire-resisting that extends to the underside of the non-combustible roof covering is, except for roof battens with dimensions of 75 mm x 50 mm or less, not crossed by timber or other combustible building elements; and
 - (e) any insulation installed in the cavity of a wall required to have an FRL is non-combustible; and
 - (f) the building is fitted with an automatic smoke alarm system complying with FD5.

FS4d

Application

Buildings with a rise in storeys of not more than 2.

Acceptable solution

In a building complying with FS4c and fitted with a sprinkler system, any criterion prescribed in FS2b

- (a) for any loadbearing wall, may be reduced to 60, except any FRL criterion of 90 for an external wall must be maintained when tested from the outside; and
- (b) for any non-loadbearing internal wall, need not apply if:
 - (i) it is lined on each side with 13 mm standard grade plasterboard or similar non-combustible material; and
 - (ii) it extends:

- (A) to the underside of the floor next above if that floor has an FRL of at least 30/30/30 or is lined on the underside with a fire-protective covering; or
 - (B) to the underside of a ceiling with a resistance to the incipient spread of fire of 60 minutes; or
 - (C) to the underside of a non-combustible roof covering; and
- (iii) any insulation installed in the cavity of the wall is non-combustible; and
- (iv) any construction joint, space or the like between the top of the wall and the floor, ceiling or roof is smoke sealed with intumescent putty or other suitable material.

System designator

FS5

(Atrium compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Fire must be prevented from spreading into an atrium.

FS5a

Application

The atrium well

Acceptable solution

An atrium well must have a width throughout that is able to contain a cylinder having a horizontal diameter of not less than 6 m.

Application

Walls bounding the atrium

Acceptable solution

Separation of atrium by bounding walls

An atrium must be separated from the remainder of the building at each storey by bounding walls set back not more than 3.5 m from the perimeter of the atrium well except in the case of the walls at no more than 3 consecutive storeys if-

- (a) one of those storeys is at a level at which direct egress to a road or open space is provided; and
- (b) the sum of the floor areas of those storeys that are contained within the atrium is not more than the maximum area of the fire compartment under consideration.

Construction of bounding walls

Bounding walls must:

- (a) have an FRL of not less than 60/60/60, and:
 - (i) extend from the floor of the storey to the underside of the floor next above or to the underside of the roof; and
 - (ii) have any door openings protected with self-closing or automatic - /60/30 fire doors; or
- (b) be constructed of fixed toughened safety glass, or wired safety glass in non-combustible frames, with:
 - (i) any door openings fitted with a self-closing smoke door complying with Specification SM2(d) and (e); and
 - (ii) the walls and doors protected with wall-wetting systems in accordance with FS5a; and
 - (iii) a fire barrier with an FRL of not less than - /60/30 installed in any ceiling spaces above the wall.

Location of protection

Where an atrium is separated from the remainder of the building by walls or doors incorporating glazing, a wall wetting system with suitable non-combustible heat

collector plates of 200 mm diameter must be provided to protect the glazing as follows:

- (a) On the atrium side of the glazing - to all glazed walls which are set back more than 3.5 m from the atrium well.
- (b) On the side of the glazing away from the atrium well - to all glazing forming part of bounding wall at each storey.

Wall-wetting sprinklers

Sprinkler head location

Sprinklers must be located in positions allowing full wetting of the glazing surfaces without wetting adjacent sprinkler heads.

Head rating and response time

Sprinkler heads must be of the fast response type and have a maximum temperature rating of 74°C.

Water discharge rate

The rate of water discharge to protect glazing must be not less than:

- (a) on the atrium side of the glazing:
 - (i) 0.25 L/s.m² where glazing is not set back from the atrium well; or
 - (ii) 0.167 L/s.m² where glazing is set back from the atrium well ; and
- (b) on the side away from the atrium well - 0.167 L/s.m².

Water supply

In addition to the water supply to the basic sprinkler protection for the building, where the walls are set back 3.5 m or more from the atrium well, the water supply to required wall wetting systems must be of adequate capacity to accommodate wetting of a part not less than 12 m long on one storey on the atrium side of the glazing.

Stop valves

- (a) Basic sprinkler and wall wetting systems protecting a building containing an atrium must be provided with easily accessible and identified stop valves.
- (b) Sprinkler and wall wetting systems must be provided with independent stop valves.
- (c) Sprinkler heads protecting the roof of the atrium must be provided with a stop valve.
- (d) Stop valve to wall wetting and roof sprinklers may be of the gate type.
- (e) All sprinkler and wall wetting stop valves must be monitored to detect unauthorised closure.

Application

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp in an atrium

Acceptable solution

The stairway, ramp or escalator may connect any number of storeys.

FS5b

Application

Walls bounding the atrium if:

- (a) a Class 2, 3, 5 or 9 part of the building is open to the atrium; and
- (b) the atrium is separated from the remainder of the building by walls or doors incorporating glazing; and

- (c) the glazed walls are not set back, or are set back 3.5 m or less, from the atrium well,
at all levels which are less 12 m above the floor of an atrium or the floor of the highest storey where the bounding wall is set back more than 3.5 m from the atrium well.

Acceptable solution

A wall wetting system with suitable non-combustible heat collector plates of 200 mm diameter must be provided to protect the glazing on the atrium side of the glazing.

Application

Water supply if:

- (a) a Class 2, 3, 5 or 9 part of the building is open to the atrium; and
(b) the bounding walls are set back less than 3.5 m from the atrium well

Acceptable solution

In addition to the water supply to the basic sprinkler protection for the building, the water supply to required wall wetting systems must be of adequate capacity to accommodate wetting of a part not less than 6 m long, for a height of not less than 12 m above the floor of the atrium or the floor of the highest storey with bounding walls set back less than 3.5 m from the atrium well.

FS5c

Application

Walls bounding the atrium if:

- (a) a Class 6, 7 or 8 part of the building is open to the atrium; and
(b) the atrium is separated from the remainder of the building by walls or doors incorporating glazing; and
(c) the glazed walls are not set back, or are set back 3.5 m or less, from the atrium well,

at all levels which are less 20 m above the floor of an atrium or the floor of the highest storey where the bounding wall is set back more than 3.5 m from the atrium well.

Acceptable solution

A wall wetting system with suitable non-combustible heat collector plates of 200 mm diameter must be provided to protect the glazing on the atrium side of the glazing.

Application

Water supply if:

- (a) a Class 6, 7 or 8 part of the building is open to the atrium; and
(b) the bounding walls are set back less than 3.5 m from the atrium well

Acceptable solution

In addition to the water supply to the basic sprinkler protection for the building, the water supply to required wall wetting systems must be of adequate capacity to accommodate wetting of a part not less than 6 m long, for a height of not less than 20 m above the floor of the atrium or the floor of the highest storey with bounding walls set back less than 3.5 m from the atrium well.

System designator

FS6

(Theatre compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

A fire involving the stage area of a theatre must be confined to that area.

FS6a

Application

Proscenium walls and curtains in buildings that:

- (a) have a stage and any backstage area with a total floor area of more than 200 m², or
- (b) have a stage with an associated rigging loft.

Acceptable solution

Exits from theatre stages

The path of travel to an exit from a stage or performing area must not pass through the proscenium wall if the stage area is separated from the audience area with a proscenium wall.

Separation of stage areas, etc

- (a) Dressing rooms, scene docks, property rooms, workshops, associated store rooms and other ancillary areas must be:
 - (i) located on the stage side of the proscenium wall; and
 - (ii) separated from corridors and the like by construction having an FRL of not less than 60/60/60, and if of lightweight construction, complying with Specification C1.8.
- (b) The stage and backstage must be separated from other parts of the building other than the audience seating area by construction having an FRL of not less than 60/60/60
- (c) Any doorway in the construction referred to in (a) and (b) must be protected by a self-closing - /60/30 fire door.

Proscenium wall construction

- (a) A proscenium wall must:
 - (i) extend to the underside of the roof covering or the underside of the structural floor next above; and
 - (ii) have an FRL of not less than 60/60/60.
- (b) Timber purlins or other combustible material must not pass through or cross any proscenium wall.

Protection of openings in proscenium wall

Every opening in a proscenium wall must be protected:

- (a) at the principal opening, by a curtain as described below which is:
 - (i) capable of closing the proscenium opening within 35 seconds either by gravity slide or motor assisted mechanisms; and
 - (ii) operated by a system of automatic heat activated devices, manually operated devices or push button emergency devices; and

- (iii) able to be operated from either the stage side or the audience side of the curtain; and
- (b) at any doorway in the wall, by a self-closing - /60/30 fire door.

Proscenium curtains

A curtain required by (a) above must be:

- (a) a fire safety curtain:
 - (i) made of non-combustible material; and
 - (ii) capable of withstanding a pressure differential of 0.5 kPa over its entire surface area; and
 - (iii) so fitted that when fully lowered it inhibits the penetration of smoke around the perimeter of the opening, from the stage; or
- (b) a curtain:
 - (i) having a Spread-of-Flame Index not greater than 0 and a Smoke-Developed Index not greater than 3; and
 - (ii) protected by a deluge system of open sprinklers installed along the full width of the curtain.

FS6b

Application

buildings that:

- (a) have a stage and any backstage area with a total floor area of more than 200 m², or
- (b) have a stage with an associated rigging loft.

Acceptable solution

The stage, backstage area and accessible under-stage area must be separated from the audience by a proscenium wall and have a mechanical exhaust system in accordance with AS9b.

System designator

FS7

(Hospital compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
Compartmentation must be enhanced to allow for patients with impaired mobility.

FS7a

Acceptable solution

- (a) Patient care areas must be divided into fire compartments not exceeding 2000 m².
- (b) Ward areas:
 - (i) where the floor area exceeds 1000 m², must be divided into areas not more than 1000 m² by walls with an FRL of not less than 60/60/60; and
 - (ii) where the floor area exceeds 500 m², must be divided into areas not more than 500 m² by smoke proof walls complying with (c); and
 - (iii) where division of ward areas by fire-resisting walls under (a) and (b)(i) is not required, any smoke proof walls required under (b)(ii) must have an FRL of not less than 60/60/60.
- (c) A wall required to be smoke-proof must:
 - (i) be non-combustible and extend to the underside of the floor above, to the underside of a non-combustible roof covering or to the underside of a ceiling having a resistance to the incipient spread of fire to the space above itself of not less than 60 minutes; and
 - (ii) not incorporate any glazed areas unless the glass is safety glass as defined in AS 1288; and
 - (iii) only have doorways which are fitted with smoke doors complying with SM2(d) and (e); and
 - (iv) not incorporate any penetrations unless the openings around the penetration are adequately stopped to prevent the free passage of smoke; and
 - (v) incorporate smoke dampers where air-handling ducts penetrate the wall, except where the air-handling system forms part of a smoke control system or is required to continue operating during a fire.
- (d) A door required to be smoke proof or have an FRL, other than one that serves a fire compartment provided with a zone smoke control system in accordance with AS 1668.1, must provide a smoke reservoir by not extending within 400 mm of the underside of:
 - (i) a roof covering; or
 - (ii) the floor above; or
 - (iii) an imperforate false ceiling that will prevent the free passage of smoke.
- (e) The following ancillary use areas located within a patient care area must be separated from the patient care area by walls with an FRL of not less than 60/60/60 and extend to a non-combustible roof covering, the floor above or a ceiling with a resistance to the incipient spread of fire, the doorway being protected with fire doors having an FRL of not less than - /60/30 :

- (i) A kitchen and related food preparation areas having a combined floor area of more than 30 m².
- (ii) A room containing a hyperbaric facility (pressure chamber).
- (iii) A room used predominantly for the storage of medical records having a floor area of more than 10 m².
- (iv) A laundry, where items of equipment are of the type that are potential fire sources (eg gas fire dryers).

Non-required stairways, ramps and escalators

An escalator, moving walkway or non-required non-fire-isolated stairway or pedestrian ramp must not be used in a patient care area.

FS7b

Application

Fire compartments - surrounding construction

Acceptable solution

Fire compartments must be separated from the remainder of the building by fire walls and floors and roof or ceiling as required in FS2d.

FS7c

Application

Fire compartments - surrounding construction

Acceptable solution

Fire compartments must be separated from the remainder of the building by fire walls and floors with an FRL of not less than 120/120/120.

System designator

FS8

(Class 1 and 10 compartmentation)

System element descriptor

This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).

Construction must prevent fire spread between dwellings.

FS8

Application

A wall that separates Class 1 dwellings, or separates a Class 1 building from a Class 10a building which is not appurtenant to that Class 1 building.

Acceptable solution

The wall must have an FRL of not less than 60/60/60 and:

- (a) commence at the footings or ground slab; and
- (b) extend:
 - (i) if the building has a non-combustible roof covering, to the underside of the roof covering; and
 - (A) must not be crossed by timber or other combustible building elements except for roof battens with dimensions of 75 mm x 50 mm or less; and
 - (B) must have any gap between the top of the wall and the underside of the roof covering packed with mineral fibre or other suitable fire-resisting material; or
 - (ii) if the building has a combustible roof covering, to not less than 450 mm above the roof covering.
- (d) where a building has a masonry veneer external wall, any gap between the separating wall and the external masonry veneer must be:
 - (i) not greater than 50 mm; and
 - (ii) packed with a mineral fibre or other suitable fire-resisting material with the packing arranged to maintain any waterproofing requirements.

SYSTEM ELEMENT 17 - STANDBY POWER SYSTEM

System designator

P1

System element descriptor

*This, in the researchers' opinion, is the intent of the BCA (see Final Report Part 1).
A standby power supply must be provided to power emergency equipment.*

Application

Within an atrium.

Acceptable solution

- (a) An alternative power supply must be provided to operate *required safety systems*.
- (b) The alternative power supply must-
 - (i) be connected *automatically* if the normal power supply fails; and
 - (ii) if located within the building, be separated from the remainder of the building by an enclosure with an FRL of at least 120/120/120 and be connected to the safety systems by means of suitable *fire-resisting* cabling.
- (c) The alternative power supply must consist of:
 - (i) a single medium voltage supply taken from an electricity substation situated within, or adjacent to, the building concerned where the power supply to the substation consists of two or more high voltage cables each taking electricity from separate transformers; or
 - (ii) two or more medium voltage supplies each taking electricity from separate electricity substations situated-
 - (A) outside the building concerned; and
 - (B) at a suitable distance from each other; or
 - (iii) a single medium voltage supply taken from an electricity substation together with an electricity generating plant capable of-
 - (A) generating a medium voltage supply; and
 - (B) starting and taking the *required* electrical load within a period of not more than 30 seconds from the time of normal supply failure.

Acceptable ID/BCA Clause Number

Acceptable ID	BCA Clause Number	Acceptable ID	BCA Clause Number	Acceptable ID	BCA Clause Number
117	D1.2(a)	178	D1.10(e)	240	Table D3.2
118	D1.2(b)(i)	179	SpecC1.9 cl6(b)	241	Table D3.2
119	D1.2(b)(ii)	180	D1.11(a)(i)	242	Table D3.2
120	D1.2(c)	181	SpecG3.8 cl4.2(e)	243	Table D3.2
121	D1.2(d)(i)	182	SpecG3.8 cl2.4.1(c)	244	Table D3.2
122	D1.2(d)(ii)	183	SpecC1.9 cl9(b)(ii)	245	Table D3.2
123	D1.2(d)(iii)	184	D1.11(d)(ii)	246	Table D3.2
124	D1.2(d)(iv)	185	SpecC1.1 cl4.2	247	Table D3.2
125	D1.2(d)(v)	186	D1.12(a)	248	SpecC1.1 Table 3
126	D1.2(e)	187	D1.12(b)(iii)	249	Table D3.2
127	D1.2(f)	188	D1.12(b)(i)	250	D3.3
128	D1.2(g)	189	D1.12(b)(iv)	251	D3.4(a)
129	D1.3(a)	190	SpecC1.1 Table 3.9	252	D3.4(b) - (d)
130	D1.4(f)(i)	191	D1.12(c)	253	D3.5(a)(i)
131	D1.3(b)(i)	192	D1.12(d)	254	D3.5(a)(ii)
132	D1.3(b)(ii)	193	SpecC1.1 Table 3.9	255	D3.5(a)(iii)
133	D1.3(b)(iii)	194	D1.12(b)(ii)	256	SpecC1.1 Table 3
134	D1.4(a)	195	D2.2	257	E1.3(a)
135	D1.4(b)	196	D2.3	258	E1.3(b)(i)
136	D1.4(c)(i)	197	D2.4	259	E1.3(b)(ii)(A)(B)
137	D1.4(c)(ii)	198	D2.5	260	E1.3(b)(iv) - (vii)
138	D1.4(d)	199	D2.6	261	E1.3(b)(iii)(C)
139	D1.4(e)	200	D2.7	262	E1.5(a)
140	D1.4(f)(ii)	201	D2.8(a)	263	E1.3(b)(ii)(B)
141	D1.5(a)	202	D2.8(b)(i)	264	E1.4(a)
142	D1.5(b)	203	D2.9	265	E1.4(b)(i)(iii)-(vi)
143	D1.5(c)(i)	204	D2.10(a)	266	E1.4(b)(ii)(B)
144	D1.5(c)(iii)	205	D2.10(b)(ii)	267	E1.3(b)(ii)(A)
145	D1.5(d)	206	D2.10(b)(iii)	268	E1.4(b)(ii)(A)
146	D1.5(c)(ii)	207	D2.10(c)	269	E1.5(b)
147	D1.6(a)	208	D2.10(b)(i)	270	Table E1.5
148	D1.6(b)(i)	209	D2.20	271	Table E1.5
149	D1.6(b)(ii)	210	D2.11(a)	272	E1.7(a)(i)
150	D1.6(c)(i)	211	D2.12	273	E1.7(b)
151	D1.6(c)(ii)	212	D2.13(a)	274	C3.11(a) - (b)
152	D1.6(d)	213	D2.13(b)	275	E1.7(a)(ii)
153	D1.6(e)	214	D2.14(a)	276	E1.7(a)(iii)
154	D1.6(f)(i)	215	D2.14(b)	277	E1.7(a)(iv)
155	D1.6(f)(ii)	216	D2.15(b)	278	E1.6(a)
156	D1.6(f)(iv)	217	D2.15(a)	279	E1.6(b)
157	D1.6(f)(v)	218	D2.16(a)	280	D2.23(a)(i)(B), (ii)
158	D1.6(g)	219	D2.16(b)	281	D3.5(b)
159	D1.7(a)	220	D2.16(c) - (h)	282	E1.8(a)
160	D1.7(b)	221	D2.17(a)	283	E1.8(b)
161	D1.7(c)(i)	222	D2.17(b)(i) - (iii), (vi)	284	E1.9
162	D1.7(c)(ii)	223	D2.17(b)(v)	285	E1.10
163	D1.7(d)	224	D2.17(b)(iv)	286	E3.2
164	D1.7(e)	225	D2.17(c)	287	E3.3
165	D1.8(a)(i)	226	D2.18(a)	288	E3.4(a)(i)
166	D1.8(b)	227	D2.18(b)	289	E3.4(a)(ii)
167	D1.9(a)	228	D2.21(c) - (d)	290	E3.4(b)
168	D1.9(b)(i)	230	D2.21(b)(iii)	291	E3.5
169	D1.9(b)(ii)	231	D2.21(b)(i)	292	E4.2(h)
170	D1.9(c)	232	D2.21(b)(ii)	293	E4.2(b)
171	D1.9(d)	233	D2.22(a)	294	E4.2(c)
172	D1.9(e)	234	D2.22(b)	295	E4.2(e)
173	D1.9(f)	235	D2.23(a)(i)(A)	296	E4.2(f)
174	D1.10(a)	236	E4.4(a)	297	E4.2(g)(i)
175	D1.10(b)	237	E4.4(b)	298	E4.2(g)(ii)
176	D1.10(c)	238	D2.23(b)	299	E4.5
177	D1.10(d)	239	D3.2	300	E4.6

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301	E4.7	366	SpecC1.1 c12.2	431	SpecC1.1 Table 5
302	E4.8(a)	367	SpecC1.1 c12.3(a)(i)	432	SpecC1.1 Table 5
303	E4.8(b)	368	SpecC1.1 c12.3(b)	433	SpecC1.1 Table 4
304	E4.9(a)	369	SpecC1.1 c12.3(a)(ii)	434	SpecC1.1 Table 5
305	E4.9(b)(i)	370	SpecC1.1 c12.4(a)	435	SpecC1.1 Table 5
306	E4.9(b)(ii)	371	SpecC1.1 c12.4(b)	436	SpecC1.1 Table 4
307	E4.9(c)	372	SpecC1.1 c12.5(a)	437	SpecC1.1 Table 4
308	E4.9(d)(ii)	373	SpecC1.1 c12.5(b)	438	SpecC1.1 Table 5
309	C1.8(a)	374	SpecC1.1 c12.5(c)	439	SpecC1.1 Table 4
310	C1.9(a)	375	SpecC1.1 c12.5(d)	441	SpecC1.1 Table 5
311	C1.9(b)	376	SpecC1.1 c12.5(e)	442	SpecC1.1 Table 5
312	C1.9(c)	377	SpecC1.1 c12.5(f)(i)	443	SpecC1.1 Table 5
313	C1.10(a)	378	SpecC1.1 c12.5(f)(ii)	444	SpecC1.1 Table 5
314	C1.10(b)	379	SpecC1.1 c12.7	445	SpecC1.1 Table 5
315	C1.11(a)	380	SpecC1.1 c13.1(a)	446	SpecC1.1 Table 4
316	C1.11(b)	381	SpecC1.1 c13.1(b)	447	SpecC1.1 Table 5
317	C2.5(a)	382	SpecC1.1 c13.1(c)	448	SpecC1.1 Table 5
318	C2.5(b)(i) - (iii)	383	SpecC1.1 c13.1(d)	449	SpecC1.1 Table 5
319	C2.5(b)(v)	384	SpecC1.1 c13.1(e)	450	SpecC1.1 Table 5
320	C2.5(b)(vi)	385	SpecC1.1 c13.1(f)	451	SpecC1.1 Table 4
321	C2.11	386	SpecC1.1 c13.2(a)	452	SpecC1.1 Table 4
322	C2.12(a)	387	SpecC1.1 c13.2(e)	453	SpecC1.1 Table 4
323	C2.12(c)	388	SpecC1.1 Table 3	454	SpecC1.1 Table 4
324	C2.12(d)(i)	389	SpecC1.1 Table 3	455	SpecC1.1 Table 4
325	C2.13(a) - (c)	390	SpecC1.1 Table 3	456	SpecC1.1 Table 4
326	C2.13(d)(i)	391	SpecC1.1 c13.2(b)	457	SpecC1.1 Table 4
327	C2.13(e)(ii)	392	SpecC1.1 c13.2(c)	458	SpecC1.1 Table 4
328	C2.13(f)	393	SpecC1.1 c13.2(d)	459	SpecC1.1 Table 4
329	C3.2(a)(i)	394	SpecC1.1 c13.3(a)	460	SpecC1.1 Table 4
330	C3.2(c)	395	SpecC1.1 c13.3(b)	461	SpecC1.1 Table 4
331	C3.3	396	SpecC1.1 c13.4	462	SpecC1.1 Table 4
332	Table C3.3	397	SpecC1.1 c13.5(a)	463	SpecC1.1 Table 4
333	C3.4(a)(i)	398	SpecC1.1 c13.5(b)	464	SpecC1.1 Table 4
334	C3.4(b)	399	SpecC1.1 Table 3	465	SpecC1.1 Table 4
335	C3.5(a)	400	SpecC1.1 c13.5(c)	466	SpecC1.1 Table 4
336	C3.5(b)	401	SpecC1.1 c13.5(d)	467	SpecC1.1 Table 4
337	C3.6	402	SpecC1.1 c13.6	468	SpecC1.1 Table 4
338	C3.7(a)(i)	403	SpecC1.1 c13.7(a)	469	SpecD1.12 c12(a)(i)
339	C3.7(b)	404	SpecC1.1 c13.7(b)(i)	470	SpecC1.1 Table 4
340	C3.7(a)(ii)	405	SpecC1.1 c13.7(b)(ii)	471	SpecD1.12 c12(a)(i)
341	C3.8(a)	406	SpecC1.1 c13.8(a)	472	SpecC1.1 Table 4
342	C3.8(b)	407	SpecC1.1 c13.8(b)	473	SpecC1.1 Table 4
343	C3.9(a)	408	SpecC1.1 c13.8(c)(i)	474	SpecC1.1 Table 4
344	C3.10(a)	409	SpecC1.1 c13.10(a)	475	SpecC1.1 Table 4
345	C3.10(b)	410	SpecC1.1 c13.10(b)	476	SpecC1.1 Table 4
346	C3.11(c)	411	SpecC1.1 c13.10(c)(i)	477	SpecC1.1 Table 4
347	C3.11(d)(i)	412	SpecC1.1 c13.10(c)(ii)	478	SpecC1.1 Table 4
348	C3.11(g)	413	SpecC1.1 c14.1(a)	479	SpecC1.1 Table 4
349	C3.11(h)	414	SpecC1.1 c14.1(b)	480	SpecC1.1 Table 4
350	C3.14	415	SpecC1.1 c14.1(c)	481	SpecC1.1 Table 4
351	C3.12	416	SpecC1.1 c14.1(d)	482	SpecC1.1 Table 4
352	SpecC1.1 Table 3	417	SpecC1.1 c14.1(e)	483	SpecC1.1 Table 4
353	C3.11(d)(ii)	418	SpecC1.1 c14.1(f)	484	SpecC1.1 Table 4
354	C3.11(e)	419	SpecC1.1 c14.1(h)	485	SpecD1.12 c12(a)(ii)
355	C3.11(f)	420	SpecC1.1 Table 4	486	SpecC1.1 Table 4
356	C3.15(e)	421	SpecC1.1 c14.1(g)	487	SpecC1.1 Table 4
357	C3.13(a)	422	SpecC1.1 c14.1(i)	488	SpecC1.1 Table 4
358	C3.13(b)	423	SpecC1.1 c14.3(a)	489	SpecC1.1 Table 4
359	C3.13(c)	424	SpecC1.1 c14.3(b)(i)	490	SpecC1.1 Table 4
360	C3.15(a) - (d)	425	SpecC1.1 c14.3(b)(ii)	491	SpecC1.1 Table 4
361	C3.15(f) - (g)	426	SpecC1.1 c15.1(a)	492	SpecC1.1 Table 4
362	C3.16(a)	427	SpecC1.1 c15.1(b)	493	SpecC1.1 Table 4
363	C3.16(b)	428	SpecC1.1 c15.1(c)	494	SpecC1.1 Table 4
364	C3.17(a)	429	SpecC1.1 c15.1(d)	495	SpecC1.1 Table 4
365	C3.17(b)	430	SpecC1.1 c15.1(e)	496	SpecC1.1 Table 3

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497	SpecC1.1 Table 3	562	SpecC1.9 cl9(a)	627	SpecC1.1 Table 3.9
498	SpecC1.1 Table 3	563	SpecC1.10 cl3(a)	628	SpecC1.1 Table 3.9
499	SpecC1.1 Table 3	564	SpecC1.10 cl2(a)	629	SpecC1.1 Table 3.9
500	SpecC1.1 Table 3	565	SpecC1.10 cl3(b)	630	E4.2(d)
501	SpecC1.1 Table 3	566	SpecC1.10 cl4(a)	631	Table E1.5
502	SpecC1.1 Table 3	567	SpecC1.10 cl4(b)(ii)	632	Table E1.5
503	SpecC1.1 Table 3	568	SpecC1.10 cl4(b)(i)	633	Table E1.5
504	SpecC1.1 Table 3	569	SpecC1.10 cl4(b)(iii)	634	Table E1.5
505	SpecC1.1 Table 3	570	SpecC1.10 cl4(c)(i)	635	Table E2.2
506	SpecC1.1 Table 3	571	SpecC1.10 cl4(c)(ii)	636	Table E2.2
507	SpecC1.1 Table 3	572	SpecC1.10 cl4(c)(iii)	637	Table E2.2
508	SpecC1.1 Table 3	573	SpecC1.10 cl4(d)	638	Table E2.2
509	SpecC1.1 Table 3	574	SpecC1.10 cl5	639	Table E2.2
510	SpecC1.1 Table 3	575	SpecC1.10 cl6	640	Table E2.2
511	SpecC1.1 Table 3	576	SpecC1.10 cl7	641	Table E2.2
512	SpecC1.1 Table 3	577	SpecC1.11 cl3	642	Table E2.2
513	SpecC1.1 Table 3	578	SpecC1.11 cl4	643	Table E2.2
514	SpecC1.1 Table 3	579	SpecC3.4 cl2	644	Table E2.2
515	SpecC1.1 Table 3	580	SpecC3.4 cl3.1	645	Table E2.2
516	SpecC1.1 Table 3	581	SpecC3.4 cl4	646	Table E2.2
517	SpecC1.1 Table 3	582	SpecC3.4 cl5	647	Table E2.2
518	SpecC1.1 Table 3	583	SpecC3.15 cl3	648	Table E2.2
519	SpecC1.1 Table 3	584	SpecC3.15 cl4	649	Table E2.2
520	SpecC1.1 Table 3	585	SpecC3.15 cl5	650	C2.12(b)
521	SpecC1.1 Table 3	586	SpecC3.15 cl6	651	Table E2.2
522	SpecC1.1 Table 3	587	SpecC3.15 cl7(a)	652	E5.2
523	SpecC1.1 Table 3	588	SpecD1.12 cl2(f)	653	E5.3
524	SpecC1.1 Table 3	589	SpecD1.12 cl2(h)	654	H1.2
525	SpecC1.1 Table 3	590	SpecD1.12 cl2(j)	655	H1.3
526	SpecC1.1 Table 3	591	SpecD1.12 cl2(k)	656	H1.4
527	SpecC1.1 Table 3	592	SpecD1.12 cl2(l)	657	H1.5
528	D1.8(a)(ii)	593	SpecD1.12 cl2(m)	658	H1.6
529	SpecC1.1 Table 3	594	SpecD1.12 cl2(n)	659	H1.7
530	SpecC1.1 Table 3	595	SpecD1.12 cl2(o)	660	SpecH1.2 cl2
531	SpecC1.1 Table 3	596	SpecE1.7 cl2(b)	661	SpecH1.3 cl2(a) - (b)
532	SpecC1.1 cl2.8(a)	597	SpecE1.7 cl5	662	SpecH1.3 cl2(c)
533	SpecC1.1 Table 3	598	SpecE1.7 cl8(b)	663	SpecH1.3 cl3
534	SpecC1.1 Table 3	599	SpecE1.7 cl3(a)	664	SpecH1.3 cl4
535	SpecC1.1 Table 3	600	SpecE1.7 cl3(b)	665	SpecH1.3 cl5
536	SpecC1.8 cl3.2	601	SpecE1.7 cl4	666	SpecH1.3 cl6
537	E4.9(d)(i)	602	SpecE1.7 cl6	667	SpecH1.3 cl7
538	SpecC1.8 cl3.1	603	SpecE1.7 cl7	668	D2.21(a)
539	SpecD1.12 cl2(b)	604	SpecC1.1 Table 3.9	669	SpecC1.1 cl2.8(b)
540	SpecD1.12 cl2(c)	605	SpecE1.7 cl8(a)	670	C3.2(a)(ii)
541	SpecC1.1 Table 3.9	606	SpecE1.7 cl9(e)	671	C3.2(b)(i)
542	SpecD1.12 cl2(d)	607	SpecE1.7 cl9(a)	672	C3.2(b)(ii)
543	SpecD1.12 cl2(e)	608	SpecE1.7 cl9(b)	673	C3.2(b)(iii)
544	SpecC1.8 cl3.3	609	SpecE1.7 cl9(c)	674	SpecC1.1 Table 3
545	SpecC1.8 cl3.4	610	SpecE1.7 cl9(d)	675	SpecC1.1 Table 3
546	SpecC1.8 cl4.1	611	SpecE1.8 cl2	676	SpecC1.1 Table 3
547	SpecC1.8 cl5	612	C2.2(a)	677	SpecC1.1 Table 3
548	SpecC1.8 cl6	613	E4.2(a)	678	SpecC1.1 Table 3
549	SpecC1.9 cl2(a)	614	E3.4(b)(i) - (ii), (iv)	679	SpecC1.1 Table 3
550	SpecC1.9 cl4(a)	615	C1.1(b)	680	SpecC1.1 Table 3
551	SpecC1.9 cl4(b)	616	SpecG3.8 cl3.6(b)	681	SpecC1.1 Table 3
552	SpecC1.9 cl4(c)	617	C1.1(a)(ii)	682	SpecC1.1 Table 3
553	SpecC1.1 Table 3.9	618	C1.1(a)(iii)	683	SpecC1.1 Table 3
554	SpecC1.9 cl2(b)	619	C1.1(a)(iv)	684	SpecC1.1 Table 3
555	SpecC1.9 cl5(a)	620	C1.3	685	SpecC1.1 Table 3
556	SpecC1.9 cl5(b)	621	C1.4	686	SpecC1.1 Table 3
557	SpecC1.9 cl5(c)	622	SpecC1.1 Table 3.9	687	SpecC1.1 Table 3
558	SpecC1.9 cl5(d)	623	C1.5	688	SpecC1.1 Table 4
559	SpecC1.9 cl6(a)	624	C1.6	689	D2.21(e)
560	SpecC1.9 cl7	625	C1.7	690	Table D3.2
561	SpecC1.9 cl8	626	C1.8(b)	691	C3.4(a)(ii)

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692	C3.4(a)(iii)	757	G4.4(a)	822	D2.19(b)
693	SpecC1.9 cl3(b)	758	G4.4(b)	823	D2.19(c)
694	SpecC1.10 cl2(b)	759	G4.4(c)	824	D2.19(d)
695	SpecC1.10 cl2(d)	760	G4.4(d)	825	C2.3(a)(ii)
696	G3.2	761	G4.5	826	C2.3(a)(i)
697	G3.3	762	G4.6(a)	827	C2.3(b)
698	G3.4(a)(i)	763	G4.6(b)(i)	828	C2.3(c)
699	G3.4(a)(ii)	764	G4.6(b)(ii) - (iii)	829	C2.4(a)
700	G3.4(b)(i)	765	G4.7(a)	830	C2.4(b)
701	G3.4(b)(ii)	766	G4.7(b)	831	C2.6(a)
702	G3.4(b)(iii)	767	G4.8(a)	832	C2.6(b)
703	G3.5	768	G4.8(b)	833	C2.6(c)
704	G3.6	769	G4.9	834	C2.6(d)
705	G3.7	770	G5.1	835	C2.6(e)
706	G3.8(a)	771	G5.2	836	C2.7(a)
707	G3.8(b)	772	SpecE1.7 cl2(a)	837	C2.7(b)
708	SpecG3.8 cl2.1	773	SpecE1.8 cl3	838	C2.7(c)
709	SpecG3.8 cl2.3	774	SpecE1.8 cl4	839	C3.13(d)
710	SpecG3.8 cl2.4.1(a)	775	SpecE1.8 cl5(a)	840	C2.7(d)
711	SpecG3.8 cl2.4.2	776	SpecE1.8 cl5(b)	841	C2.8(a)
712	SpecG3.8 cl2.4.3	777	SpecE1.8 cl5(c)	842	C2.8(b)(i)
713	SpecG3.8 cl2.4.4	778	SpecE1.8 cl5(d)	843	C2.8(b)(ii)
714	SpecG3.8 cl2.2(a)	779	SpecE1.8 cl6	844	C3.9(c)
715	SpecG3.8 cl2.2(b)	780	SpecE1.8 cl7	845	C2.9(a)
716	SpecG3.8 cl2.4.1(b)(ii)	781	SpecE1.8 cl8	846	D1.4(f)(iii)
717	SpecG3.8 cl2.4.1(b)(i)	782	SpecE1.8 cl9	847	C2.9(b)
718	SpecG3.8 cl2.5	783	SpecE1.8 cl10	848	C2.9(b)
719	SpecG3.8 cl2.4.5(b)	784	SpecE1.8 cl11	849	C2.10(a)
720	SpecG3.8 cl2.4.5(a)(i)	785	SpecE1.8 cl12	850	C2.10(b)(i)
721	SpecG3.8 cl2.4.5(a)(ii)	786	C1.1(a)(i)	851	C2.10(b)(ii)
722	SpecG3.8 cl3.1	787	SpecC1.9 cl9(b)(i)	852	C2.10(c)
723	SpecG3.8 cl3.2(a)	788	SpecC1.1 cl5.2	853	Table C2.2
724	SpecG3.8 cl3.2(b) - (f)	789	C2.5(b)(iv)(A)	854	Table C2.2
725	SpecG3.8 cl3.3(a)(i)	790	Table C1.1	855	Table C2.2
726	SpecG3.8 cl3.3(a)(ii)	791	Table C1.1	856	Table C2.2
727	SpecG3.8 cl3.3(a)(iii)	792	Table C1.1	857	Table C2.2
728	SpecG3.8 cl3.3(b)(i)-(ii)	793	Table C1.1	858	Table C2.2
729	SpecG3.8 cl3.3(b)(iii)	794	Table C1.1	859	C3.9(b)
730	SpecG3.8 cl3.3(b)(iv)	795	Table C1.1	860	SpecC1.1 Table 4.2
731	SpecG3.8 cl3.4(a)(i)	796	Table C1.1	861	SpecC1.1 Table 4.2
732	SpecG3.8 cl3.4(a)(ii)	797	Table C1.1	862	SpecC1.1 Table 4.2
733	SpecG3.8 cl3.4(b)(i)	798	Table E1.5	863	SpecC1.1 Table 4.2
734	SpecG3.8 cl3.4(b)(ii)	799	E2.2(a)	864	SpecC1.1 Table 4.2
735	SpecG3.8 cl3.4(c)	800	E2.2(b)	865	SpecC1.1 Table 4.2
736	SpecG3.8 cl3.5	801	E2.2(c)	866	SpecC1.1 Table 4.2
737	SpecG3.8 cl3.6(a)	802	E2.2(d)	867	SpecC1.1 Table 5.2
738	SpecG3.8 cl3.6(c)	803	E2.2(e)	868	SpecC1.1 Table 5.2
739	SpecG3.8 cl3.7	804	E2.3	869	SpecC1.1 Table 5.2
740	SpecG3.8 cl3.8(a)	805	E2.4(a)	870	SpecC1.1 Table 5.2
741	SpecG3.8 cl3.8(b)	806	E2.4(b)	871	SpecC1.1 Table 5.2
742	SpecG3.8 cl3.8(c)	807	E2.4(c)(i) - (iv)	872	SpecC1.1 Table 5.2
743	SpecG3.8 cl3.8(c)(i)	808	E2.4(d)	873	SpecC1.1 cl2.6(a)
744	SpecG3.8 cl4.1	809	E2.4(c)(v)	874	SpecC1.1 cl2.6(b)
745	SpecG3.8 cl4.2(a) - (d)	810	C2.5(b)(iv)(B)	875	SpecC1.1 Table 2.6
746	SpecG3.8 cl4.3	811	SpecC1.1 cl3.9	876	C2.12(d)(ii)
747	SpecG3.8 cl4.4(a)	812	SpecC1.9 cl6(c)	877	D1.12(b)(ii)
748	SpecG3.8 cl4.4(b)	813	D1.10(f)	878	D2.11(b)
749	SpecG3.8 cl4.4(c)	814	C2.13(e)(i)	879	D2.8(b)(ii)
750	SpecG3.8 cl5	815	D1.11(a)(ii)	880	SpecC1.1 cl3.8(c)(ii)
751	SpecG3.8 cl6(a)	816	D1.11(b)	881	SpecC1.10 cl2(c)
752	SpecG3.8 cl6(b)	817	D1.11(d)(i)	882	SpecE1.8 cl11
753	SpecG3.8 cl6(c)	818	D1.11(c)	883	SpecC1.8 cl4.2
754	SpecG3.8 cl7	819	C2.13(d)(ii)	884	SpecC1.8 cl4.3
755	G4.3(a) - (b)	820	D1.13	885	SpecC3.4 cl3.2
756	G4.3(c)	821	D2.19(a)	886	SpecD1.12 cl2(g)

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887	SpecD1.12 cl2(i)	952	SpecE2.2 cl3(c)
888	SpecC3.15 cl7(b)	953	SpecE2.2 cl3(d)
889	SpecC3.15 cl7(c)	955	SpecE1.5 cl2
890	SpecC3.15 cl7(d)	956	
891	SpecC3.15 cl7(e)	957	SpecE1.5 cl3
892	SpecE1.7 cl8(a)	958	SpecE1.5 cl5
893	SpecE1.7 cl8(a)	959	SpecE1.5 cl6
894	SpecG3.8 cl3.8(c)(ii)	960	SpecE1.5 cl7
895	SpecG3.8 cl3.8(c)(iii)	961	SpecE1.5 cl8
896	SpecH1.2 cl3	962	SpecE1.5 cl9(a)
897	SpecH1.2 cl4	963	SpecE1.5 cl9(b)
898	SpecH1.2 cl5	964	SpecE1.5 cl10
899	SpecH1.2 cl6	1074	SpecE2.2 cl2.1(a)
900	SpecH1.2 cl7	1075	SpecE2.2 cl2.1(b)
901	SpecH1.2 cl8	1076	SpecE2.2 cl2.10(a)
902	SpecE1.8 cl5(d)	1077	SpecE2.2 cl2.10(b)(i)
903	Table E2.2	1078	SpecE2.2 cl2.10(b)(ii)
904	Table E2.2	1079	SpecE2.2 cl2.10(b)(iii)
905	Table E2.2	1080	SpecE2.2 cl2.10(b)(iv)
906	Table E2.2	1081	SpecE2.2 cl2.10(b)(v)
907	Table E2.2	1082	SpecE2.2 cl2.10(b)(vi)
908	SpecE1.8 cl5(c)	1083	SpecE2.2 cl2.2
909	SpecE1.8 cl2	1084	SpecE2.2 cl2.3(a)
910	SpecE1.8 cl5(b)	1085	SpecE2.2 cl2.3(b)
911	SpecE1.8 cl3	1086	SpecE2.2 cl2.3(c)
912	SpecE1.8 cl4	1087	SpecE2.2 cl2.3(d)
913	SpecE1.8 cl5(a)	1088	SpecE2.2 cl2.4(a)
914	SpecE1.8 cl12	1089	SpecE2.2 cl2.4(b)
915	SpecE1.8 cl6	1090	SpecE2.2 cl2.4(c)
916	SpecE1.8 cl10	1091	SpecE2.2 cl2.4(d)
917	SpecE1.8 cl9	1092	SpecE2.2 cl2.4(e)
918	SpecE1.8 cl8	1093	SpecE2.2 cl2.5(a)
919	SpecE1.8 cl7	1094	SpecE2.2 cl2.5(b)
920	SpecE2.2 cl2.1(a)	1095	SpecE2.2 cl2.5(c)
921	SpecE2.2 cl2.1(b)	1096	SpecE2.2 cl2.6(a)
922	SpecE2.2 cl2.2	1097	SpecE2.2 cl2.6(b)
923	SpecE2.2 cl2.3(a)	1098	SpecE2.2 cl2.7(a)
924	SpecE2.2 cl2.3(b)	1099	SpecE2.2 cl2.7(b)
925	SpecE2.2 cl2.3(c)	1100	SpecE2.2 cl2.8
926	SpecE2.2 cl2.3(d)	1101	SpecE2.2 cl2.9(a)
927	SpecE2.2 cl2.4(a)	1102	SpecE2.2 cl2.9(b)
928	SpecE2.2 cl2.4(b)	1103	SpecE2.2 cl2.9(c)
929	SpecE2.2 cl2.4(c)		
930	SpecE2.2 cl2.4(d)		
931	SpecE2.2 cl2.4(e)		
932	SpecE2.2 cl2.5(a)		
933	SpecE2.2 cl2.5(b)		
934	SpecE2.2 cl2.5(c)		
935	SpecE2.2 cl2.6(a)		
936	SpecE2.2 cl2.6(b)		
937	SpecE2.2 cl2.7(a)		
938	SpecE2.2 cl2.7(b)		
939	SpecE2.2 cl2.8		
940	SpecE2.2 cl2.9(a)		
941	SpecE2.2 cl2.9(b)		
942	SpecE2.2 cl2.9(c)		
943	SpecE2.2 cl2.10(a)		
944	SpecE2.2 cl2.10(b)(i)		
945	SpecE2.2 cl2.10(b)(ii)		
946	SpecE2.2 cl2.10(b)(iii)		
947	SpecE2.2 cl2.10(b)(iv)		
948	SpecE2.2 cl2.10(b)(v)		
949	SpecE2.2 cl2.10(b)(vi)		
950	SpecE2.2 cl3(a)		
951	SpecE2.2 cl3(b)		

