



1

History

- Multiple engineering judgments (EJ) submitted unnecessarily
- EJs submitted when tested, listed, approved assemblies exist
- Several hours of review
- Several hours of work inputting AMCs to logbook
- \$0 cost ACD-at the time
- Current-Fees for;
 - ACD
 - AMC
 - \$0 cost ACD
 - T & M (Time and Material)for AMC

A magnifying glass with a black handle and frame is positioned over a piece of aged, yellowish paper. The word "HISTORY" is written in a bold, red, serif font across the center of the paper, directly under the lens of the magnifying glass.

2

Code

2013 CBC

SECTION 703

FIRE-RESISTANCE RATINGS AND FIRE TESTS

703.1 Scope. Materials prescribed herein for fire resistance shall conform to the requirements of this chapter.

703.2 Fire-resistance ratings. The fire-resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E 119 or UL 263 or in accordance with Section 703.3. Where materials, systems or devices that have not been tested as part of a fire-resistance-rated assembly are incorporated into the building element, component or assembly, sufficient data shall be made available to the building official to show that the required fire-resistance rating is not reduced. Materials and methods of construction used to protect joints and penetrations in fire-resistance-rated building elements, components or assemblies shall not reduce the required fire-resistance rating.

2016/2019 CBC

SECTION 703

FIRE-RESISTANCE RATINGS AND FIRE TESTS

703.1 Scope. Materials prescribed herein for fire resistance shall conform to the requirements of this chapter.

703.2 Fire-resistance ratings. The fire-resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E119 or UL 263 or in accordance with Section 703.3. The fire-resistance rating of penetrations and fire-resistant joint systems shall be determined in accordance Sections 714 and 715, respectively.

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CAN 2-703.3 Engineering Judgments

- ▶ <https://oshpd.ca.gov/construction-finance/codes-and-regulations/#CANs>
- ▶ Revised 9/21/20

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703.3

► **Methods for determining fire resistance.**

The application of any of the methods listed in this section shall be based on the fire exposure and acceptance criteria specified in ASTM E119 or UL 263. The required fire resistance of a building element, component or assembly shall be permitted to be established by any of the following methods or procedures:



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703.3

1. Fire-resistance designs documented in approved sources.
2. Prescriptive designs of fire-resistance-rated building elements, components or assemblies as prescribed in Section 721.
3. Calculations in accordance with Section 722.
4. Engineering analysis based on a comparison of building element, component or assemblies designs having fire-resistance ratings as determined by the test procedures set forth in ASTM E119 or UL 263.
5. Alternative protection methods as allowed by Section 104.11.
6. Fire-resistance designs certified by an approved agency.

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Building Element Definition Chap 2

BUILDING ELEMENT.

A fundamental component of building construction, listed in **Table 601**, which may or may not be of fire-resistance-rated construction and is constructed of materials based on the building type of construction.

TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)										
BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V		
	A	B	A	B	A	B	HT	A	B	
Primary structural frame ^a (see Section 202)	3 ^{a,b}	2 ^{a,b}	1 ^a	0	1 ^a	0	HT	1 ^a	0	
Bearing walls										
Exterior ^{a,f}	3	2	1	0	2	2	2	1	0	
Interior ^a	3 ^a	2 ^a	1	0	1	0	1/HT	1	0	
Nonbearing walls and partitions	See Table 602									
Exterior										
Nonbearing walls and partitions										
Interior ^a	0	0	0	0	0	0	See Section 2304.11.2	0	0	
Floor construction and associated secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0	
Roof construction and associated secondary members (see Section 202)	1½ ^b	1 ^{b,c}	1 ^{b,c}	0 ^e	1 ^{b,c}	0	HT	1 ^{b,c}	0	

For SI: 1 foot = 304.8 mm.

- a. Roof supports. Fire-resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.
- b. 1. Except in Group A, E, F-1, H, I, L, M, R-1, R-2, R-2.1 and S-1 occupancies, high-rise buildings, and other applications listed in Section 1.11 regulated by the Office of the State Fire Marshal, fire protection of structural members in roof construction shall not be required, including protection of primary structural frame members, roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
- b. 2. For Group A, E, I, L, R-1, R-2, and R-2.1 occupancies, high-rise buildings, and other applications listed in Section 1.11 regulated by the Office of the State Fire Marshal, fire protection of members other than the primary structural frame shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
- b. 3. One-story portions of Group A and E assembly occupancies the roof-framing system of Type II A or Type III A construction may be of unprotected construction when such roof-framing system is open to the assembly area and does not contain concealed spaces.
- c. In all occupancies, heavy timber complying with Section 2304.11 shall be allowed where a 1-hour or less fire-resistance rating is required.
- d. Not less than the fire-resistance rating required by other sections of this code.
- e. Not less than the fire-resistance rating based on fire separation distance (see Table 602).
- f. Not less than the fire-resistance rating as referenced in Section 704.10.

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**TABLE 601
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)**

BUILDING ELEMENT	TYPE I		TYPE II		TYPE III		TYPE IV	TYPE V	
	A	B	A	B	A	B	HT	A	B
Primary structural frame ^c (see Section 202)	3 ^{a,b}	2 ^{a,b}	1 ^b	0	1 ^b	0	HT	1 ^b	0
Bearing walls									
Exterior ^{a, f}	3	2	1	0	2	2	2	1	0
Interior	3 ^a	2 ^a	1	0	1	0	1/HT	1	0
Nonbearing walls and partitions	See Table 602								
Exterior									
Nonbearing walls and partitions							See Section 2304.11.2		
Interior ^a	0	0	0	0	0	0		0	0
Floor construction and associated secondary members (see Section 202)	2	2	1	0	1	0	HT	1	0
Roof construction and associated secondary members (see Section 202)	1½ ^b	1 ^{b,c}	1 ^{b,c}	0 ^e	1 ^{b,c}	0	HT	1 ^{b,c}	0

For SI: 1 foot = 304.8 mm.

- a. Roof supports. Fire-resistance ratings of primary structural frame and bearing walls are permitted to be reduced by 1 hour where supporting a roof only.
- b. 1. Except in Group A, E, F-1, H, I, L, M, R-1, R-2, R-2.1 and S-1 occupancies, high-rise buildings, and other applications listed in Section 1.11 regulated by the Office of the State Fire Marshal, fire protection of structural members in roof construction shall not be required, including protection of primary structural frame members, roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
- b. 2. For Group A, E, I, L, R-1, R-2, and R-2.1 occupancies, high-rise buildings, and other applications listed in Section 1.11 regulated by the Office of the State Fire Marshal, fire protection of members other than the primary structural frame shall not be required, including protection of roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below. Fire-retardant-treated wood members shall be allowed to be used for such unprotected members.
- b. 3. One-story portions of Group A and E assembly occupancies the roof-framing system of Type II A or Type III A construction may be of unprotected construction when such roof-framing system is open to the assembly area and does not contain concealed spaces.
- c. In all occupancies, heavy timber complying with Section 2304.11 shall be allowed where a 1-hour or less fire-resistance rating is required.
- d. Not less than the fire-resistance rating required by other sections of this code.
- e. Not less than the fire-resistance rating based on fire separation distance (see Table 602).
- f. Not less than the fire-resistance rating as referenced in Section 704.10.

703.3 #4

4. Engineering analysis based on a comparison of **building element**, component or assemblies designs having fire-resistance ratings as **determined by the test procedures set forth in ASTM E119 or UL 263.**

AMC?

No

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703.3 #5

5. Alternative protection methods as allowed by Section 104.11.

(EJs based off any other test standard)

104.11 Alternative materials, design and methods of construction and equipment.

(104.11-Meant for new technologies not currently in the code. This was not meant for companies to use EJs based off assemblies tested and paid for by other companies.)

104.11.1 Research reports...

104.11.2 Tests...

CAC 7-104. Alternate method of compliance...



AMC?



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Non-Building Elements

Joints

- Curtain Wall
- Head of Wall
- Etcetera

(Test procedures as set forth in-ASTM E1966/UL 2079, Smoke UL 2079)

(These are joints, they are between the assemblies and have their own tests. If not tested and listed then AMC Required.)

AMC?



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Non-Building Elements

Penetrations

- Through Penetrations

(Test procedures as set forth in-ASTM E 814/UL 1479, Smoke UL 1479)

- Membrane Penetrations

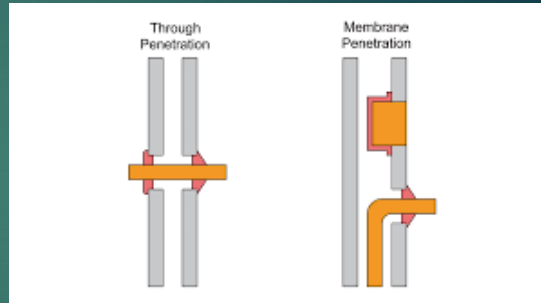
(Protected generally same as through)

- Etcetera

714.4.1.1 Fire-resistance-rated assemblies.

Through penetrations shall be protected using systems installed as tested in the approved fire-resistance-rated assembly. (If not tested in the assembly, AMC required.)

AMC?



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Office/Field

Plan Review

- ▶ EJs and supporting documentation are required on the plans/construction documents.

Field

- ▶ An AMC approved by the Office after start of construction that constitutes a material change to approved construction documents shall be submitted to the Office in accordance with Title 24, Part 1, Section 7-153(a) "Changes in the Work" in the form of an Amended Construction Document (ACD). Multiple EJs that have been approved as AMCs may be submitted as a single ACD.

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Summary

- ▶ AMC? 
 - ▶ All EJs that are **not** in compliance with Item 4 of Section 703.3 **shall be submitted** for review and approval in accordance with Title 24, Part 1, Section 7-104 "Alternate Method of Compliance" (AMC).
 - ▶ EJs submitted for penetrations and/or joint systems that **do not have** their own tested, listed system **require an AMC**.
 - ▶ Other EJs submitted for non-building (601) elements that **do not have** their own tested, listed system **require an AMC**.
- ▶ AMC? 
 - ▶ All EJs that **are** in compliance with Item 4 of Section 703.3 **do not need** an AMC (EJs based off test procedures set forth in ASTM E119/UL 263)

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Homework
Difficult or Creative...
You decide



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UL and Intertek Sites

Intertek

- ▶ https://bpdirectory.intertek.com/pages/DLP_Search.aspx



UL

- ▶ <https://iq.ulprospector.com/en>



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Fire-resistance Ratings - ANSI/UL 263

Guide Information for Fire-resistance Ratings

Design Information Section

The Design Information Section supplements the individual published designs and is organized as follows:

I. INTRODUCTION

1. Rapid-rise Fire Test	
2. Definitions	

II. GENERAL

1. Metric Dimensions	12. Damers
2. Loading of Test Specimens	13. Wood Structural Panels
3. Finish Ratings	14. Blanket Insulation
4. Walls and Joists	15. Sound Transmission Class (STC)
5. Interior and Exterior Applications	16. Impact Insulation Class (IIC)
6. Exposed Interior Finishes	17. Penetrations
7. Radiant Heating Cables and Panels	18. Curtain Wall/Hoop Protection Systems
8. Coatings Materials	19. Fire-resistant Joint Systems
9. Gypsum Board	20. Fire Doors, Frames and Hardware
10. Gypsum Board Joint Treatment (Tapers)	21. Glazing, Wired Glass and Glass Blocks
11. Plaster	22. Exterior Wall Systems

III. FLOOR, CEILINGS AND ROOF-CEILINGS

1. Concrete	13. Enclosures for Fluorescent Recessed Luminaires (Tufftop)
2. Fiber Reinforced	14. Luminaires Certified for Fire Resistance
3. Steel Floor and Form Units	15. Restrained and Unrestrained Assemblies
4. Electrical Boxes for Concrete Floors	16. Air Ducts and Protection Systems
5. Nonmetallic Outlet Boxes for Ceilings	17. Blanket Insulation
6. Metallic Electrical Outlet Boxes	18. Wood Frame Construction
7. Steel Joists	19. Roof Coverings
8. Precast Concrete Units	20. Roof Insulation
9. Ceiling Control Joints	21. Lift Resistance
10. Acoustical Materials	22. Steel Roof Deck Fasteners
11. Suspension Systems	23. Steel Floor Unit Fasteners
12. Fluorescent Recessed Luminaires (Tufftop)	24. Use of Floor-Ceilings as Roof-Ceilings

UL site and numbering

<https://iq.ulprospector.com/en/profile?e=206790>

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IV. BEAMS

1. Beam Size	5. Unprotected Floors and Roofs
2. Composite and Noncomposite Beams	6. Adjustment of Thickness of Spray-applied Fire-resistive Materials for Restrained and Unrestrained Beams
3. Cavities	7. Restrained and Unrestrained Conditions
4. Beam Substitution	

V. COLUMNS

VI. WALLS AND PARTITIONS

1. Gypsum Board	7. Gypsum Board Joint Treatment (Taping)
2. Mineral Fiber Insulation	8. Nonmetallic Electrical Outlet Boxes
3. Wood Stud Wall Assemblies	9. Metallic Electrical Outlet Boxes
4. Steel Stud Wall Assemblies	10. Exterior Walls
5. Metal Thickness	11. Concrete Masonry Units
6. Wood Structural Panels	

UL site and numbering

<https://iq.ulprospector.com/en/profile?e=206790>

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INTRODUCTION

This category covers fire rating certifications based upon the test method and acceptance criteria in [UL 263](#) (ASTM E119), "Fire Tests of Building Construction and Materials." The ratings are expressed in hours and are applicable to floor/ceiling, roof/ceiling, beams, columns, walls and partitions.

The average furnace temperature from which these ratings are derived is 1000°F at 5 min., 1400°F at 15 min., 1550°F at 30 min., 1700°F at 60 min., 1850°F at 120 min., 1925°F at 180 min., and 2000°F at 240 min.

When a test assembly complies with the acceptance criteria, a detailed description of the assembly, its performance in the fire test, and other pertinent details such as specification of materials, certification coverage and alternate assemblies are included in a Report for the test sponsor. Sponsors may provide copies of the complete Test Report upon request. The Report also contains a summary of important features of the rated assembly. These summaries are also published in this Directory. Variations from the published specifications should be considered as not being investigated by UL.

NUMBERING SYSTEM FOR FIRE-RATED ASSEMBLIES

TYPES OF PROTECTION

Group of Construction	000-099	100-199	200-299	300-399	400-499	500-599	600-699	700-799	800-899	900-999
Floors	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Ceilings	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
A or B Concrete and Cellular Steel Floor	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
C. Glazing Systems	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
D. E or F Concrete and Steel Floor Units	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
G or H Concrete and Steel Joists	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
I Protective Membranes or Ceiling Membranes	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
J or K Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete

UL site and numbering

<https://iq.ulprospector.com/en/profile?e=206790>



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UL site and numbering
<https://iq.ulprospector.com/en/profile?e=206790>

<https://iq.ulprospector.com/en/profile?e=206790#SectionItem1>

Much
information,
many links, many
assemblies

The prefix numbers with an asterisk (*) and the design numbers indicated as "Reserved" in the above table are for future expansion and to cater to new types of products.

1. **Rapid Fire Test**

Fire-resistance designs for protecting structural members subject to petrochemical explosion fires are investigated to [UL 1709](#), "Rapid Fire Test of Protection UL 1709 (R100)". Systems complying with these requirements include an "XR" design prefix.

2. **Definitions**

Definitions of selected terms used to identify the types of protection referenced in the following Nomenclature System Table are:

Batts and Blankets – A category for a group of UL-certified products. The complete description of the products in the category and supplementary requirements for testing are found in [UL 827](#).

Category Control Number (CCN) – A unique four- or five-character alphanumeric designation assigned by UL to identify individual product categories (may or may not be used).

Coating – A UL category of products that are applied to a substrate.

Ceiling Radiation Dampers – A device installed in a ceiling membrane of a fire-resistance rated floor-ceiling or roof-ceiling assembly to automatically limit the description of the products and supplementary requirements for certification are covered under Air Terminal Units ([620.0](#)), Ceiling Diffusers ([622.0](#)) and Ceiling Diffusers ([622.0](#)).

Code Authority – The Authority Having Jurisdiction, building official, code official, or other entity responsible for enforcing the locally adopted and enforced building code.

Combination Fire/Smoke Damper – A device installed in ducts and air-transfer openings designed to close automatically upon the detection of heat and resist automatically, controlled by a smoke-detection system and where required, to be fire resistant, as defined in [604.0](#).

Concealed Fire Protection – A UL category of products for fire barrier and fire protection as defined in [604.0](#).

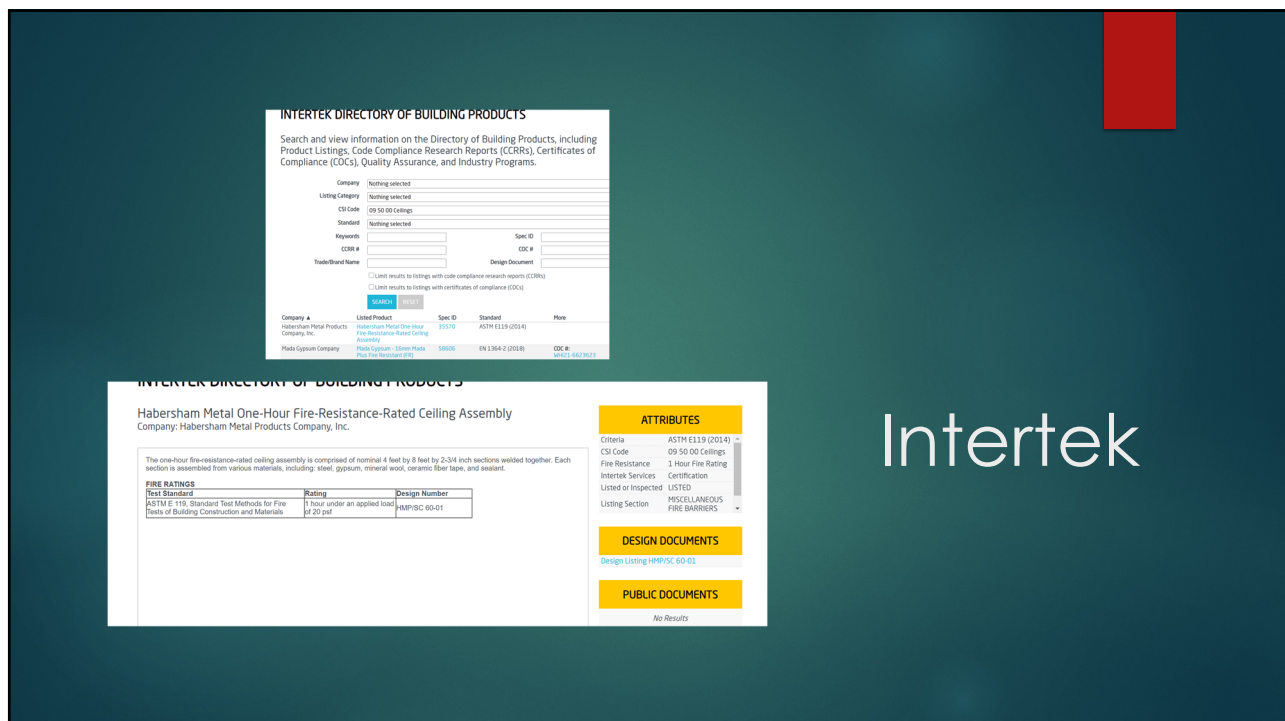
Concealed Grid System – Ceiling-suspension system for acoustical material that is not visible from the occupied space.

Corrosion Damper – A device intended for use where air ducts penetrate or terminate at horizontal openings in the ceilings of fire-resistance-rated corridors, windows, etc. The complete description of the products in the category and supplementary requirements for certification are covered under Dampers for Fire Resistance ([604.0](#)).

Cross-laminated Timber (CLT) – A prefabricated engineered wood product consisting of not less than three layers of solid-sawn lumber or structural composite



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Resources

Guidelines on Fire Ratings of Archaic Materials and Assemblies – IEBC Chapter Resource A

The Guideline on Fire Ratings of Archaic Materials and Assemblies focuses upon the fire-related performance of archaic construction. "Archaic" encompasses construction typical of an earlier time, generally prior to 1950. "Fire related performance" includes fire resistance, flame spread, smoke production and degree of combustibility.

Harmathy's Rules Ten Rules of Fire Endurance Rating ICC

The author sets forth ten rules that may prove useful for quick assessment of the fire endurance of building elements.

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Documentation

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CAC 7-104

7-104. Alternate method of compliance. The provisions of the *California Building Standards Code* (CBSC) are not intended to prevent the use of any alternate method of compliance not specifically prescribed by the CBSC, **provided** written approval for such alternate method has been granted by the Office. Alternate methods include Alternate Means of Protection, Alternate Method of Compliance, Alternative System, designs required by regulations to be specifically approved by the enforcing agency, and Program Flexibility. **A** written request shall be submitted to the Office with **an** Alternate Method of Compliance form provided by the Office and supporting documentation as necessary to assist the Office in its review. **The** written request shall include substantiating evidence in support of **the** alternate. If the request is submitted prior to the submittal of construction documents, an Application for Plan Review form must also be submitted with a fee pursuant to Section 7-133 (a) 3. A request approved by the Office shall be limited to **the specific** request and **shall not** be construed as establishing a precedent **for any future** requests. The provisions of the following sections must also be met: Section 104.11 and Section 1224.2, *California Building Code*; Article 90.4, *California Electrical Code*; Section 105.0, *California Mechanical Code*; Section 301.4, *California Plumbing Code*; and Section 1.11.2.4, *California Fire Code*.

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Number of EJs per AMC



EJs that are based on the same existing tested, listed system that is comparable in application **or** covers equivalent conditions may be combined into a single AMC.

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EJ Preparation

(EJ) shall be prepared and signed by:

Manufacturer's qualified technical personnel

Registered Professional Engineer/Fire Protection Engineer

Approved independent testing agency that provides listing services for firestop systems in concurrence with the manufacturer

(EJ) based on:

Existing tested, listed system that is comparable in application **or** covers equivalent conditions.

Reasonable performance expectations for the fire-resistive system for the specific application.

Individuals shall be knowledgeable regarding:

Elements of the construction to be protected

Probable behavior of that construction

Recommended system protecting it

(EJ) shall apply only to:

Specific conditions and configurations for which it was produced, and shall be based upon reasonable performance expectations for the recommended fire-resistance-rated system for the specific application.

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EJ Preparation

(EJ) shall be in a narrative format that clearly describes:

All aspects of the design, including but not limited to;

The hourly rating required

A complete description of all critical elements of the fire-resistive system configuration

Any non-standard conditions

Clear directions for installation of the recommended system and fire-resistive design(s) that the (EJ) is based on

Detailed drawings to clearly illustrate the assembly **and where it occurs**

(EJ) shall clearly state:

The recommended system is on (EJ) and is NOT a listed system

(EJ) shall indicate:

Facility name

Address

Title of project

OSHPD project number

(EJ) shall include:

Issuer's name

Title

Address

Telephone number

Signature

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Reason for Engineering Judgment: There is no Listed System for protecting the slab edge joint with access from the outside of the building only when a steel stud exterior is offset a 2 hour deck edge a max 2". Additionally there is no testing to allow for this slab edge protection to occur where the firestopping would be abutting a protected steel column. This installation is following CW-S-0003 almost exactly but due to the 2" offset CW-S-0001 is referenced which allows 2" offset. Additionally since Firestop spray cannot overlap the concrete floor inside the building a seal of spray or sealant has been added to the underside of the bottom track and FW-D-0005 has been added to show sealant used in a horizontal underside installation. Finally, STI/JF 120-01 has been added as a referenced system to show mineral wool and A5200 compressed up to a fireproofed steel column.

Referenced System	Joint Width/Annular Space	F Rating/Assembly Rating	L Rating	Movement
CW-S-0001	Max 2"	2 Hour	1 CFM/Lin Ft	N/A
FW-D-0005	Nom 1"	3 Hr	Less Than 1 CFM/Lin Ft	12.5% Compression or Extension
STI/JF 120-01	Max 1.5"	2 Hour	N/A	N/A
CW-S-0003	Max 1"	2 Hour	Max 1"	N/A

Section of Engineering Judgment	Referenced UL System	Reason for use as Reference
1. Floor Assembly	CW-S-0003	Section 1 shows testing with Min 4 1/2" thick reinforced lightweight or normal structural concrete slab
2. Exterior Wall Assembly	CW-S-0001	Section 2 of Listing shows exterior framing construction and max 2" offset of framing.
3. Forming Material	CW-S-0003, STI/JF 120-01	CW-S-0003: Section 3A shows testing with Nom 4 pcf mineral wool insulation cut to width nominally 1/2" wider than width of stud cavity and filling the bottom track at offset framing.

Sample EJ
(Supporting
documentation
not included)

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Documentation

- ▶ EJs that are not in compliance with Item 4 of Section 703.3 shall be submitted for review and approval in accordance with Title 24, Part 1, Section 7-104 "Alternate Method of Compliance" (AMC).
- ▶ An AMC approved by the Office after start of construction that constitutes a material change to approved construction documents shall be submitted to the Office in accordance with Title 24, Part 1, Section 7-153(a) "Changes in the Work" in the form of an Amended Construction Document (ACD). Multiple EJs that have been approved as AMCs may be submitted as a single ACD.

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OSHPD eServices Portal

Documentation Submittal eSP

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eSP and Acella AMC docs submittal User Guides

- ▶ [eServices Portal Information - OSHPD \(ca.gov\)](https://www.ca.gov/eServicesPortal)
- ▶ Scroll to User Guides
- ▶ [6A.-Applications-for-AMCs.pdf](https://www.ca.gov/6A-Applications-for-AMCs.pdf)

Step 2. Record Details

For **AMC amendments**, you must enter the Applicant Tracking Number; record the Type of AMC from the dropdown list; enter the Description of Proposal, Reason for Change, and Scope of Change.

AMC Types are described below:

- **ALTERNATE METHOD OF COMPLIANCE** means the approved use of an alternative material, method of construction, device or design to comply with an architectural, electrical, mechanical or plumbing regulation.
- **ALTERNATE MEANS OF PROTECTION** means the approved use of an alternative material, assembly or method of construction to comply with a fire and life safety regulation pursuant to Section 111.2.4, California Chapter 1, California Fire Code.
- **DESIGN CRITERIA.** Where design is based on ASCE 7 Chapters 16, 17, 18, or 31, the ground motion, wind tunnel design recommendations, analysis, and design methods, material assumptions, testing requirements, and acceptance criteria proposed by the structural engineer shall be submitted to OSHPD in the form of structural design criteria for approval.
- **PROGRAM FLEXIBILITY** means the approved use of an alternate space utilization, new concepts of design, treatment techniques or alternate finish materials. Program flexibility requests must be reviewed by the Department of Public Health and the Office, or other authority having jurisdiction.
- **UNREASONABLE HARDSHIP.** When the enforcing agency finds that compliance with the building standard would make the specific work of the project affected by the building standard infeasible, based on an overall evaluation of the following factors:
 - The cost of providing access.
 - The cost of all construction contemplated.
 - The impact of proposed improvements on financial feasibility of the project.
 - The nature of the accessibility which would be gained or lost.
 - The nature of the use of the facility under construction and its availability to persons with disabilities.

eCA User Guide – Section 6A: Applications for AMCs 4

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Supporting docs

- ▶ Scroll to User Guides
- ▶ [6A.-Applications-for-AMCs.pdf](#)
- ▶ Supporting documents are required to be submitted with the AMC
 - ▶ Complete submittal
 - ▶ Faster review time

Step 3. This next step requires document upload during submission. If you fail to upload supporting documents for your request, your request will be denied. Click the Add button and select your documents to upload. *** Supporting Documents are Required – You cannot continue without documents

Attachment

At this step, you must provide all documentation supporting your request. Failure to provide supporting documents will result in your request to be denied.

The maximum file size allowed is 10 MB. You may only upload one file at a time. Once you click the Add button, you will be prompted to select the file(s) to upload.

Name	Type	Upload Status	Action	Size	Description	Latest Upload	Upload ID
No records found.							

[Add](#)

[Continue Application](#) [Save pending submittal](#)

Error will occur if no documents are uploaded.

An error has occurred.
Supporting documents must be supplied at submission!

Enter Facility PIN code or Save pending submittal.

Before entering the Facility PIN Code, it is recommended that you have clicked on "Save pending submittal" at least once!

If you are authorized by the facility and have obtained a valid Facility PIN, enter it on the screen, then click the **Continue Application** button to proceed to the next page flow screen.

If you do not have a valid Facility PIN code, click the **Save pending submittal** button to save the record.

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New ICC training and update to PIN 67

Updated PIN 67 language

...PROCEDURE

In order to be considered acceptable by OSHPD, training and certifications are required for individuals to conduct special inspections on fire-resistant penetrations and joints. The following are required:

Special Inspectors conducting inspections for an approved inspection agency

or

Hospital Inspector Class "A", "B" or "C" certification,
and

The following certifications;

A current Firestopping Credential of Learning Achievement (CLA) issued by the International Code Council (ICC) in accordance with the requirements established and administrated by the ICC.

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New ICC training and update to PIN 67

....In accordance with California Building Code Section 202, a special inspector is a qualified person employed or retained by an approved agency and approved by the building official as having the competence necessary to inspect a particular type of construction requiring special inspection.

A current Firestopping Credential of Learning Achievement (CLA) issued by the International Code Council (ICC) in accordance with the requirements established and administrated by the ICC shall be considered as acceptable qualifications for the special inspection of fire-resistant penetrations and joints.

Please see;

[ICC Learning Center \(iccsafe.org\)](https://www.iccsafe.org)

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Thank you!

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