Code Modifications and/or Alternative Materials, Design, and Methods of Construction and Equipment Request Form

AMMR No.: _____
(by SPWD Building Department personnel)

Date:

SPWD Project No:

Project Name:

Project Location:

Consultant:

Telephone:

Consultant Email:

Requested By:

Signature:

Design Professional's Seal

Instructions:

1. Complete and attach statements 'Request' and 'Justification' information as described below. Include supporting information as appropriate.
2. The 'Request' needs to clearly state the specific request. Include references to applicable codes and standards.
3. The 'Justification' needs to clearly state the specific justification. Include drawings, code references, and other supporting documentation as appropriate. If supporting documentation is referenced, attach the documentation in its entirety to this request form.

Request:
(Attach written 'Request' to this form)

Justification:
(Attach written 'Justification' to this form)

AMMR No.: _____
(by SPWD Building Department personnel)

◉ **Issued for Construction**

○ **Issued for Construction (with Conditions)**

○ **Corrections or Additional Information Required**

○ **Denied**

By: _____ Date _____

Reason for denial:

State Public Works Division Approval:

_____ Date: _____
Deputy Administrator for Code Compliance & Enforcement
Building Official

Requests for Modifications (2024 IBC Section 104.10) and/or Alternate Materials, Design, and Methods of Construction and Equipment (2024 IBC Section 104.11)

1. All 'Requests' for Modifications and/or Alternate Materials, Design, and Methods of Construction and Equipment, including Engineering Judgments, shall be issued on the State Public Works Division's request form. Particular care shall be given in providing the description and justification. The description shall outline specific locations within the project that the required alternative shall apply when readily apparent. The justification shall outline the specific conditions within the project that have presented the need to consider an alternate approach to the prescribed codes.

2. The applicant shall complete the Alternative Material, Design, and Methods Request (AMMR) form in its entirety.

3. Provide the appropriate attachments which would include but not necessarily limited to the following;

   A. The Design Professional in Responsible Charge shall document concurrence with the proposed alternate approach.

   B. The qualifications of the person/firm submitting the Request. (Requests for Engineering Judgment for Firestop Systems shall be stamped by a Nevada licensed Fire Protection Engineer).

   C. The qualifications of the installing Contractor,

   D. Detailed drawings/sketches that contain sufficient graphic detail to illustrate the building components and products, and

   E. Any referenced Tested Assembly that the request is based on.

4. Submit ***three*** original wet stamped copies of the request for Alternate Material, Design, and Methods to the State Public Works Division Code Compliance and Enforcement Section. An AMMR tracking number will be assigned to the Request. The Request will be reviewed for completeness and conformance. After the review, one of the following responses will be given:

   Issued For Construction
   Issued For Construction (with Conditions)
   Corrections Required
   Denied

Supplement to AMMR Instructions

Guidelines for Submitting Firestop Systems Engineering Judgments

1. An Engineering Judgment should not be used in lieu of listed and tested systems when available.

2. Written concurrence of the Design Professional in Responsible Charge shall be obtained prior to the applicant submitting a 'Request' for an Alternate Materials, Design, and Methods of Construction and Equipment.

3. Requests shall identify the conditions which cannot be met by a listed and tested system. The description should note specific locations where the Engineering Judgment shall apply.

4. Requests shall provide the components of the proposed system(s) and the similarities to the listed and tested components on which it is based.

5. The amount of detail required in an Engineering Judgment submittal will be based on the complexity of the alternate method, the rating of the assembly being penetrated, and the qualifications of the installing contractor. As a minimum, details should be similar to the level of detail available for the listed and tested system the Engineering Judgment is based upon. It would be ideal if the listed and tested system from which the Engineering Judgment is based was also submitted, and then the sketch and narrative would only need to outline/detail the conditions and items that are different from the listed and tested system.

6. Firestop product manufacturer's technical staff shall be consulted in the development of all Firestop Systems Engineering Judgments. Firestop Systems Engineering Judgments shall be signed and sealed by a Fire Protection Engineer licensed in the State of Nevada.

7. Engineering Judgments shall be based on interpolation of previously listed and tested firestop systems that are either sufficiently similar in nature or clearly have similar conditions upon which the judgment is to be given. Include copies of the listed and tested system(s) on which the Engineering Judgment is based.

8. Engineering Judgments shall be based upon full knowledge of the elements of construction to be protected and understanding the behavior of that construction and the recommended firestop system protecting it were they to be subjected to the appropriate Firestop Standard Fire Test Method for the required fire rating duration.

9. The Engineering Judgment submittal must include a dimensionally detailed drawing/sketch of the labeled fire rated assembly being penetrated, the penetrating item, and the manufacturer's recommendations on what specific product to use to accomplish this firestop, and the limits of the product's use.

10. Provide complete descriptions of the critical elements for the firestop configuration, which include but are not limited to the following:

    10.1 <u>Basic, Common</u>
    - 10.1.1 Type(s) of assembly used or being penetrated
    - 10.1.2 Hourly rating required

10.2 Through Penetrations
- 10.2.1 Penetrating item(s) (type, size etc.)
- 10.2.2 Annular space requirements, (minimum, maximum, actual, nominal etc.)
- 10.2.3 Opening size
- 10.2.4 Firestop product(s) to be used, type and amount (thickness if applicable)
- 10.2.5 Accessory item(s) (i.e. anchors, backing material, etc.)

10.3 Joints
- 10.3.1 Joint Width (installed width, nominal)
- 10.3.2 Movement Requirements
- 10.3.3 Movement Class (thermal wind sway, seismic)
- 10.3.4 Firestop product(s) to be used, type and amount (thickness if applicable)
- 10.3.5 Accessory item(s) (i.e. insulation type, thickness, compression, etc.)

11. Include clear directions for the installation of the recommended firestop system.

12. Engineering Judgments will be approved only for a specific job and location and will not be transferred to any other job or location. They shall be limited to the specific conditions and configurations upon which the Engineering Judgment was rendered and should be based upon equivalent performance expectations for the recommended firestop system under those specific conditions.