



Right to site.

SPECIFICATIONS

Fire Barrier - 07.84.00

FLF, FLFw & FLW Fire Barrier

Part I: General

Article 1: Related Document

- A. The bidding requirements, contracting requirements and applicable parts of the general specification and project requirements shall be included in and made part of this section.
- B. Publications listed herein are part of the specification to the extent referenced. Standards referenced herein shall be guiding criteria for conformance of product to specifications. Detailed herein specific referenced standard include, but not limited, to ASTM E-1399, ASTM E-1966 and UL- 2079.
- C. Definitions for product Fireline 520 series TM factory assembled fire barrier. All fire barriers will have male to female factory made connections for easy installation. Manufacturer to submit a 6" sample with a connection.

Article 2: Quality Assurance

- A. The manufacturer of the fire barriers shall maintain documented management procedures and documented control processes that may influence the quality of the fire barrier.
- B. Manufacturer shall have control of all materials and processes used in the fabrication or assembly of components that are integrated together by manufacturer to produce fire barriers and related products.
- C. Manufacturer shall provide installation procedure training to contractors and/or installers of manufactured fire barriers to ensure fire barrier installation meets specifications.
- D. Manufacturer will use components for the manufacture of fire barriers and related products that have been tested as manufactured and as an assembled fire barrier in accordance with the appropriate standards per article 1C.



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- E. Manufacturer will have a Quality Assurance Manual for the manufacture of fire barriers listed by a testing and inspection agency in accordance with standards per article 1C. A qualified testing and inspection agency may be Intertek Testing Services, UL or FM Research.
- F. Manufacturer will supply a First Article for each component to the Architect and/or contractor for approval. This First Article is to be used to verify quality of materials and manufacturing execution in sections production. Deviation in either materials and/or methods of manufacturing from the specification will require a specification of materials that are being substituted for the required materials and parts.

Article 3: Delivery, Storage, and Handling

- A. Delivery of the fire barrier and related products (components) to the project site must be in the components original containers displaying fully intact and legible labels identifying component part number, type and size (ie. Straight Section –6 ', which would mean that this component is a straight fully manufactured fire barrier section, 6 feet long).
- B. Each Individual fire barrier is to be labeled with a number that is traceable to manufacturing quality records and a label that indicates that the product is certified to meet the specifications included in the certifying agency's product listing. Any deviations must be clearly and boldly noted.
- C. Included with each fire barrier and related products must be written instructions that outline manufacturer procedure for installation.

Article 4: Material & Environmental Regulations

- A. Certification by fire barrier manufacturer that all materials supplied by manufacturer are asbestos free..
- B. Materials used in the manufacture of fire barriers and related product that are produced in the United States are presumed to be in good standing and in compliance with all state, local and federal laws. Any materials manufactured or supplied from foreign sources are to be clearly identified and verified by testing requirement of the United States in accordance with Article 1C and shown to meet all state, federal and local ordinances.

Part II Products & Installation



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Acceptable Manufactures

Manufacturer of fire barriers shall show evidence that both products and manufacturing process are listed by a testing and inspection agency in accordance with the standards listed in Section 1C

Article 1:

- A. All fire barriers have been tested by an independent recognized testing agency as identified in part 1 article 2E. The components tested shall be in the same materials construction, as that of fire barriers tested. The fire rating shall be 2hrs.
- B. Fire barriers shall be supplied to the job site as factory pre assembled eliminating any on site cutting or modification of the factory pre- assembled barriers. Including all transitions.
- C. Installation shall be standardized to ensure the integrity and quality of the installed fire barrier. This installation of specific pre-assembled fire barrier shall be done using manufacturer's pre-assembled installation tools designed specifically for the installation of the specific pre-assembled fire barriers to prevent damage to the fire barrier that will most likely occur if installation tool not designed specifically for the installation of the specific pre-assembled fire barrier are used and for ensuring consistency and correct installation of the fire barrier.
- D. Substitution or alteration shall be submitted in writing to the architect no less than ten days before the bid is due. Submission shall clearly demonstrate equivalency to products in Part II, Section 1D and include samples and product data, test results and other data to demonstrate acceptability of proposed substitute.

Article 2: Materials

- A. Manufacturer shall provide preassemble fire barrier in required length sections that are factory assembled and delivered to the project site ready for installation as subassemblies or modular assemblies of an entire assembly. These sections shall be designed so that onsite installation using the related installation tools is rapid and simple when require. The fire barrier sections may be connected to form a long fire barrier using manufacture's specially designed and specified connectors. The resulting fire barriers provide a reliability continuous barrier for all joints. The preassembled section shall be preconfigured and marked to provide for simple and correct installation



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- B. Manufacturers of preassembled fire barrier shall ensure that materials use in the construction of the pre-assembled fire barriers are engineered and constructed to ensure capability with specified expansion joint covers (note cover plates by others).
- C. Manufacturer shall use only materials of domestic origin
- D. Manufacture will ensure materials used in manufacture of preassembled fire barrier sections are supplied with traceable origin of all materials and that no alternative sources will be accepted unless prior approval written and signed by project manager.
- E. Manufacturer has been successfully producing and supplying fire barriers and able to show evidence that both products and manufacturing processes have been listed by a testing and Inspection agency in accordance with the standards listed in Section 1C.

Article 3: Installation

- A. Manufacturer shall provide training for installation of components and be on site to verify that installation of first article for each component type is installed and complies with overall expansion joint fire barrier requirements.
- B. Fire barrier assembly shall be installed in strict accordance with manufacture's installation procedures.
- C. Manufacturer will work with all trades and inspectors to assure that the installed fire barrier will meet designed fire-resistance rating.

Division 07 – thermal and moisture protection

Section 05800

07 84 43 fire resistant joint sealants

07 84 00 fire stopping

2 hour fire barrier specification

UL 2079 & ULC S 115 UL air leak test

ASTM E 1399 & ASTM E 1966