









# GENERAL NOTES:

- Refer to section 07 84 00 of the specifications, refer to the Quality Control requirements of the specification.
- Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following:
  - Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.
- If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Engineering Judgments shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.
- References:
  - UL Fire Resistance Directory; Current Edition.
  - NFPA 101 Life Safety Code.
  - All governing local and regional building codes
- Firestop System installation must meet requirements of ASTM E814 (UL 1479) tested assemblies that provide a fire rating equal to that of the surrounding construction.

**System No. CA-2081**  
 T Rating = 2 1/2  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2082**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2083**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2084**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2085**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2086**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2087**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2088**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2089**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2090**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2091**  
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 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2092**  
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 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2093**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2094**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**System No. CA-2095**  
 T Rating = 3  
 1. Floor or Wall Assembly - Min 4.0 (2 in.) 1/4 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall. (1/2 inch thick reinforced lightweight or normal weight 150-150 psi or 1600-2400 light concrete floor or wall also acceptable if UL Classified Concrete Block). Floor may also be constructed of any UL Classified Brick. See Concrete Blocks (CA77) and Precast Concrete Blocks (CA78) categories in the Fire Resistance Directory for names of manufacturers.

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**PROJECT NAME:**  
 XXXXXXXXXXXXXXXXXXXXXXXX

**ARCHITECT/CONSULTANT:**  
 XXXXXXXXXXXXXXXXXXXXXXXX

**TITLE:**  
 STI FIRESTOP SYSTEMS  
 FIRESTOP THROUGH PENETRATIONS

**DIVISION 26: Electrical**  
**DIVISION 27: Communications**

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