Type of Wrap Strip

C. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.

D. Max 3/C No. 2/0 AWG metal clad or armored cable with steel or aluminum jacket.

E. Max 3/C No. 8 AWG NM cable (Romex) and/or BX cable with a PVC or XLPE jacket.

F. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.

fill, void or cavity material* - sealant -

- SpecSeal LCI Sealant or Type WF300 Firestop Caulk (for wood studs only)

* Bearing the UL Classification Mark

Project Name: 

Architect/Consultant: 

Title: 

STI FIRESTOP SYSTEMS

Firestop through penetrations

Division 26: Electrical
Division 27: Communications

Specified Technologies Inc. 210 Evans Way Somervile, NJ 08876
Toll Free: (800)992-1180 Phone: (908)526-8000 FAX (908)526-8415 E-Mail:techserv@stifirestop.com Website:www.stifirestop.com
GENERAL NOTES:

1. Refer to section 07 84 00 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.

2. 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.

3. 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.

4. References:
   - All governing local and regional building codes

5. 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.

PROJECT NAME:

ARCHITECT/CONSULTANT:

TITLE:

DIVISION 26: Electrical
DIVISION 27: Communications

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The firestop system shall consist of the following:

A. The filler, void, or cavity material shall be a wrap strip. The nominal thickness of the wrap strip shall be 1/8 in. (3.2 mm) by 1-1/2 in. (38 mm) wide (RED2), nominal thickness of 1/4 in. (6 mm) x 1/8 x 1-1/2 x 8-1/8 wide (BLU2) intumescent strip faced on both sides with a plastic film. Strips tightly wrapped around nonmetallic pipe with SSW 2503 (76) control portion of the specification.

B. The firestop system shall consist of the following:

1. Specifications shall be obtained from the manufacturer.
2. FireMaster® Duct Wrap 2x2, FireMaster Duct Wrap 2x2+, FireMaster FastWrap XL, or IIG MINWOOL LLC IIG MINWOUL L L C LC150 Sealant, SpecSeal LE600 Sealant, SpecSeal Putty, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for acrylonitrile butadiene styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping.

C. FireMaster® Duct Wrap 2x2, FireMaster Duct Wrap 2x2+, FireMaster FastWrap XL, or IIG MINWOOL LLC IIG MINWOUL L L C LC150 Sealant, SpecSeal LE600 Sealant, SpecSeal Putty, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for acrylonitrile butadiene styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping.

D. FireMaster® Duct Wrap 2x2, FireMaster Duct Wrap 2x2+, FireMaster FastWrap XL, or IIG MINWOOL LLC IIG MINWOUL L L C LC150 Sealant, SpecSeal LE600 Sealant, SpecSeal Putty, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for acrylonitrile butadiene styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping.

E. FireMaster® Duct Wrap 2x2, FireMaster Duct Wrap 2x2+, FireMaster FastWrap XL, or IIG MINWOOL LLC IIG MINWOUL L L C LC150 Sealant, SpecSeal LE600 Sealant, SpecSeal Putty, Pensil 300 Sealant or SpecSeal Series SIL300 Sealant for acrylonitrile butadiene styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping.

F. Max RG59/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacketing.

G. Max Opening Min Concrete Percent Optional

H. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with PVC insulation and jacket.

I. Min thickness of concrete floor or wall assembly is 4-1/2 in. (114 mm). Floor may also be constructed of any acrylonitrile butadiene styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping.

J. Min thickness of concrete floor or wall assembly is 4-1/2 in. (114 mm). Floor may also be constructed of any acrylonitrile butadiene styrene (ABS) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping.
I. Fiber optic cable with PVC or polyethylene (PE) jacket and insulation having a max diam of 5/8 in. (16 mm).

II. Max 750 kcmil single copper conductor power cable with XLPE jacket and insulation or plenum-rated jacketing and insulation.

III. Max 3/C No. 2/0 AWG metal clad or armored cable.

IV. Max 3/C No. 8 AWG NM cable (Romex).

V. Max four pair No. 22 AWG (or smaller) copper conductor data cable with PVC or plenum rated jacketing and insulation.

VI. Up to 400 CFM/Device Module

VII. Up to 1000 CFM/Device Module

VIII. Up to 1000 CFM/Device Module (See Item 6)

IX. Up to 400 CFM/Device Module (See Item 7)

X. Up to 400 CFM/Device Module (See Item 8)

XI. Up to 1000 CFM/Device Module (See Item 9)

XII. Up to 1000 CFM/Device Module (See Item 10)

XIII. Firestop device module for each empty firestop device module is less than 1 cfm at ambient and less than 1 cfm at 400F. When Item 3F is used, the L Rating for each firestop device module with 100 percent visual fill is 1.3 cfm at 400F.

XIV. The size of the intumescent wrap strip for each pipe size is tabulated below:

<table>
<thead>
<tr>
<th>Size</th>
<th>Strip Size</th>
<th>Wrap Strip</th>
</tr>
</thead>
</table>
| 1/8 in.    | SSW125     | SpecSeal RED Wrap Strip, SpecSeal RED2 Wrap Strip, SpecSeal BLU Wrap Strip or |}

GENERAL NOTES:

1. Refer to section 07 84 00 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.

2. 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.

3. 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.

4. References:
   - NFPA 130 Fire Protection Code
   - NFPA 132 Fire Protection Code
   - NFPA 133 Fire Protection Code
   - NFPA 134 Fire Protection Code

5. 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.
GENERAL NOTES:

1. Refer to section 07 84 00 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.

2. 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.

3. 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.

4. References:
   • NFPA 101 Life Safety Code
   • All governing local and regional building codes

5. 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.

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