

PVC, ccPVC, CPVC, RNC	6(152)	4-1/2 (114)	RED, RED2, BLU or BLU2	4*	3	3	4 (102)	1/2 (13)	1/4 (6)
PVC, ccPVC, CPVC, RNC, FRPP	6(152)	4-1/2 (114)	BLU or BLU2	3(a)	3	2	NA	1/4 (6)	3/16 (4.8)
ABS, ccABS	2 (51)	4-1/2 (114)	RED, RED2	1	3	0	NA	1/4 (6)	1/2 (13)
ABS, ccABS	2 (51)	4-1/2 (114)	BLU or BLU2	1	3	2	NA	1/4 (6)	1/2 (13)
ABS, ccABS	3 (76)	4-1/2 (114)	RED, RED2	2	2	0	NA	1/4 (6)	1/2 (13)
ABS, ccABS	3 (76)	4-1/2 (114)	BLU or BLU2	2	3	2	NA	1/4 (6)	1/2 (13)
ABS, ccABS	4 (102)	4-1/2 (114)	RED, RED2	3	2	0	NA	1/4 (6)	1/2 (13)
ABS, ccABS	4 (102)	4-1/2 (114)	BLU or BLU2	3	3	2	NA	1/4 (6)	1/2 (13)
ABS, ccABS	6(152)	4-1/2 (114)	RED, RED2, BLU or BLU2	4*	2	2	4 (102)	1/2 (13)	1/4 (6)
ABS, ccABS	6(152)	4-1/2 (114)	RED, RED2,	3(a)	3	0	NA	1/2 (13)	3/8 (10)
ABS, ccABS, FRPP	6(152)	4-1/2 (114)	BLU or BLU2	3(a)	3	3	NA	1/2 (13)	3/8 (10)
* One s * One s * SPEC Spec D. Steel C width, v retainin outware 90 deg	22 wrap strip tack of four la IFIED TECH Geal BLU2 Wi follar -Nom 1 vith 1 in. (25 in g tabs tapering d 90 deg, wra	or a 4 in. (102 ayers of wrap NOLOGIES II rap Strip -1/2 in. (38 m mm) wide by : ng down to 1/- pped tightly a o lock wrap s	emm) wrap strip, two layers NC - SpecSeam), 2 in. (51 mm) wrap strips in position	rip width for B rs of steel col I RED Wrap \$ nm), 3 in. (76 long anchor ta ide and locate rip layers with n. Anchor tab	ILU or BLU2 Illar. See Iten Strip, SpecS mm) or 4 in. abs for attace ed opposite in min 1 in. (2 is to be pres	wrap strip n 4D. eal RED2 W (102 mm) of hment to co the anchor t !5 mm) over sed tightly a	/rap Strip, Spec leep collar, dep ncrete and min abs. Steel collai lap at seam. Re gainst floor or w	trip width for RE Seal BLU Wrap endent upon wn 3/4 in. (19 mm) r, with anchor ta tainer tabs to be vall surface(s), a	Strip or ap strip wide bs bent e bent nd

PVC, ccPVC, CCPVC, RNC 6(152) 4-1/2 (114) RED, RED2. 3(a) 3 0 NA 1/4 (6) 1/2 (13)

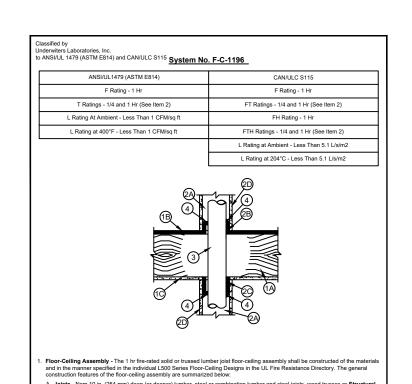
(32 mm) long steel powder actuated fasteners provided with 3/4 in. (19 mm) diam steel washers or nom 3/4 in. (19 mm) nog steel powder actuated fasteners provided with 1 in. (25 mm) diam steel washers may be used to secure anchor tabs. The number of fasteners is dependent upon the nom diam of the through penetrant. Min two fasteners, symmetrically located, are required for nom 1-1/2 in. (38 mm) through 2 in. (51 mm) diam through penetrants. Min three fasteners, symmetrically located, are required for nom 2-1/2 in. (64 mm) through 3 in. (76 mm) diam through penetrants. Min four fasteners, symmetrically located, are required for nom 3-1/2 in. (89 mm) through 4 in. (102 mm) diam through penetrants. Min six fasteners, symmetrically located, are required for nom 6 in. (152 mm) diam through penetrants. Min six fasteners, symmetrically located, are required for nom 6 in. (152 mm) diam through penetrants.

"When using one stack of four layers of wrap strip for nom 6 in. (152 mm) diam pipes, two layers of nom 1-1/2 or 2 in. (38 or 51 mm) deep collar (dependent upon wrap strip width) is to be wrapped around wrap strip and penetrant with min 1 in. (25 mm) overlap.

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D. Tube Insulation - Plastics# - Nom 1 in. (25 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The annular space between the insulated through penetrant and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm). When AB/PVC insulation is used, max F and FH Ratings are 1 hr. See Plastics (OMF22) category in the Plastics Recognized Component Directory for names of manufactures. Any Recognized Component tube insulation meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

When Item 3A or 38 pipe covering is used, T, FT and FTH Ratings are 1 hr. When Item 3D pipe covering is used, T, FT and FTH Ratings are 3/4 hr.

FIII, Volid or Cavity Material* - Sealant - Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with the top surface of the floor or sole plate. Min 1/4 in. (6 mm) diam bead of fill material applied at point contact location on the top surface of floor or sole plate and at the insulated metallic pipe/ceiling or top plate interface.

SPECIFIED TECHNOLOGIES INC - Blazemaster Caulk & Walk Pro

**Bearing the UL Recognized Component Mark*

**Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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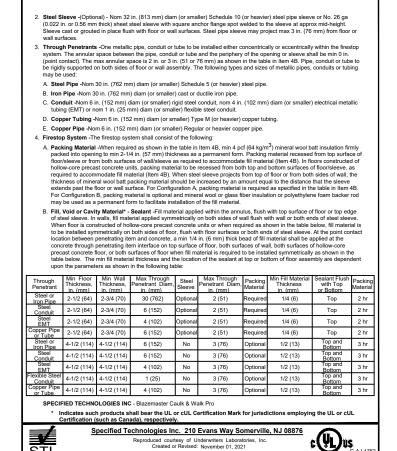
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E. Firestop Device* (Not Shown) - As an alternate to Items 40 and 40, a firestop device consisting of a galv steel collar fined with an intumescent material sized to fit the specific dism of the through penetrant may be used. Device shall be installed around through-penetrant in accordance with the accompanying installation instructions. Device incorporates anchor tabs for securement to bottom surface of floor or both surfaces of wall assembly by means of 14 fin. (6 mm) by min 1-1/4 in. (32 mm) long steel concrete screws, non 1-1/4 in. (32 mm) non steel provider actuated fasteners provided with 34 in. (19 mm) long steel powder actuated fasteners provided with 34 in. (19 mm) long steel powder actuated fasteners provided with 1 in. (25 mm) diam steel washers or nom 3/4 in. (19 mm) long steel powder actuated fasteners provided with 1 in. (25 mm) diam steel washers may be used to secure anchor tabs.

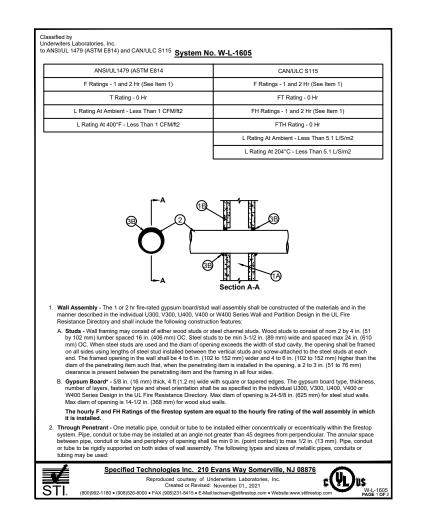
SPECIFIED TECHNOLOGIES INC - SpecSeal LCC Firestop Collar or SpecSeal SSC Firestop Collar +Bearing the UL Listing Mark

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

2. Chase Wall - (Optional) - The through penetrant (Item 3) may be routed through a single, double or staggered wood studigypsum board chase wall which includes the following construction features:

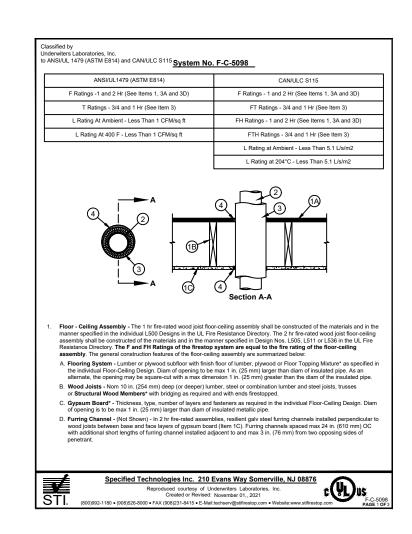
A Stude - Nom 2 by 4 in. (61 by 102 mm), 2 by 6 in. (61 by 152 mm), 2 by 8 in. (61 by 203 mm) or double nom 2 by 4 in. (61 by 102 mm) lumber studes.

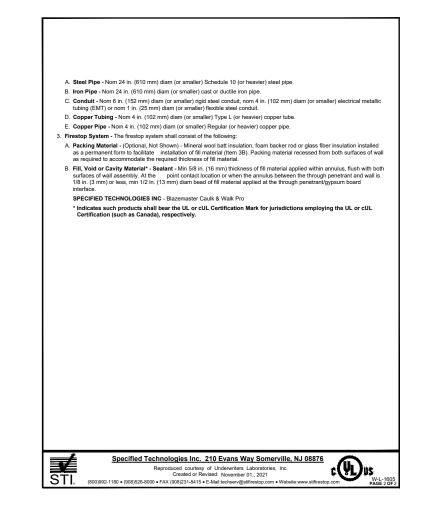
B. Sole Plate - Nom 2 by 4 in. (61 by 102 mm), 2 by 6 in. (61 by 152 mm) or 2 by 8 in. (61 by 203 mm) lumber plates or double nom 2 by 4 in. (61 by 102 mm) lumber plates slightly butled together. Circular opening to be centered in sole plate. Sole plate to be min 1 in. (25 mm) where than dam of opening, Diam of opening in sole plate to a min 1 bin. (25 mm) where than dam of opening. Diam of opening in sole plate is min 1 bin. (25 mm) where than dam of opening. Diam of opening in sole plate is min 1 bin. (25 mm) where the sole plate shall consist of one or two nom 2 by 4 in. (61 by 102 mm), 2 by 6 in. (61 by 152 mm) or 2 by 8 in. (61 by 203 mm) lumber plates or one or two sets of nom 2 by 4 in. (61 by 102 mm), 2 by 6 in. (61 by 152 mm) or 2 by 8 in. (61 by 203 mm) lumber plates or one or two sets of nom 2 by 4 in. (61 by 102 mm), 2 by 6 in. (61 by 152 mm) or 2 by 8 in. (61 by 102 mm), 2 by 6 in. (61 by 102 mm) bin or 2 by 8 in. (61 by 102 mm), 2 by 6 in. (61 by 102 mm) bin or 2 by 8 in. (61

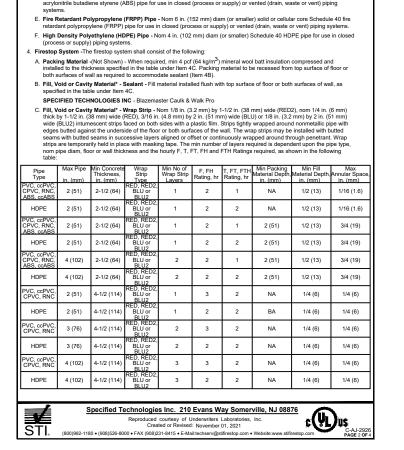


ANSI/UL1479 (ASTM E814)	CAN/ULC S115			
F Ratings - 2 and 3 Hr (See Item 4C)	F Ratings - 2 and 3 Hr (See Item 4C)			
T Ratings - 0, 1, 2 and 3 Hr (See Item 4C)	FT Ratings - 0, 1, 2 and 3 Hr (See Item 4C)			
L Rating At Ambient - Less Than 1 CFM/ft2	FH Ratings - 2 and 3 Hr (See Item 4C)			
L Rating At 400°F - Less Than 1 CFM/ft2	FTH Ratings - 0, 1, 2 and 3 Hr (See Item 4C)			
	L Rating At Ambient - Less Than 5.1 L/s/m2			
	L Rating At 204°C - Less Than 5.1 L/s/m2			
Sustain tested with a pressure differential of 2.5 Pa hete	Section A-A ween the exposed and the unexposed surfaces with the higher			
pressure on the exposed side.				
of any min 6 in. (152 mm) thick hollow-core Precast Conc	00-150 pcf or 1600-2400 kg/ m ³) concrete. Except as footnoted in wall assembly is 4-1/2 in. (114 mm). Floor may also be constructe rete Units *. Vall may also be constructed of any UL (1/8 in. (3.2 mm) to max 1-1/2 in. (38 mm) larger than outside diam (
See Concrete Blocks (CAZT) or Precast Concrete Units manufacturers.	s (CFTV) categories in the Fire Resistance Directory for names of			
 Steel Sleeve -(Optional, Not Shown) - Nom 5 in. (127 mm) (127 mm) diam (or smaller) No. 26 ga (0.022 in. or 0.56 mm)) diam (or smaller) Schedule 10 (or heavier) steel pipe or nom 5 in. m thick) sheet steel sleeve with nom 2 in. wide square or circular height. Sleeve cast or grouted into min 4-1/2 in. (114 mm) thick floor			
	be installed eccentrically or concentrically within the firestop systen floor or wall assembly. The following types and sizes of nonmetall			
(PVC) pipe for use in closed (process or supply) or vent	diam (or smaller) solid or cellular core Schedule 40 polyvinyl chlorid ted (drain, waste or vent) piping systems. 5 in. (152 mm) diam (or smaller) SDR 13.5 chlorinated polyvinyl			
chloride (CPVC) pipe for use in closed (process or supp	ply) piping systems.			
	ım (or smaller) Schedule 40 PVC conduit installed in accordance w			

ANSI/UL1479 (ASTM E814	CAN/ULC S115				
F Rating - 2 Hr	F Rating - 2 Hr				
T Rating - 1 Hr	FT Rating - 1 Hr				
L Rating At Ambient - Less Than 1	CFM/sq ft FH Rating - 2 Hr				
L Rating at 400°F - Less Than 1 C	FM/sq ft FTH Rating - 1 Hr				
-	L Rating at Ambient - Less Than 5.1 L/s/m2				
	L Rating at 204°C - Less Than 5.1 L/s/m2				
3	Section A-A				
kg/m ³) concrete floor or min 5 in. (127 mr constructed of any min 6 in. (152 mm) thic	114 mm) thick reinforcement lightweight or normal weight (100-150 pcf or 1600-2400 n) thick reinforced lightweight or normal weight concrete wall. Floor may also be ck UL Classified hollow-core Precast Concrete Units*. Wall may also be constructed wax diam of opening is 8 in. (204 mm). In floors constructed of hollow core precast no. (178 mm).				
See Concrete Blocks (CAZT) and Preca manufacturers.	ast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of				
. Metallic Sleeve - (Optional) - Nom 8 in. (204 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe sleeve cast or grouted into floor or wall assembly flush with floor or wall surfaces.					
3. Through Penetrants -One metallic pipe	or wain surfaces. or tube to be installed either eccentrically or concentrically within the firestop system this ides of floor or wall assembly. One of the following types and sizes of metallic pit.				
• • • •	(or smaller) Schedule 5 (or heavier) steel pipe.				
B. Iron Pipe - Nom 4 in. (102 mm) diam (
	am (or smaller) Regular (or heavier) copper pipe. iam (or smaller) Type M (or heavier) copper tube.				







Pipe Covering* - Nom 1 in (25 mm) thick hollow cylindrical heavy density (min 3.5 pcf (56 kg/m³) glass fiber units jacketed on the outside with an all-service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with but tape supplied with the product. The annular space within the firestop system shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm).

See Pipe and Equipment Covering - Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Simoke Developed Index of 50 or less may be used.

Firestop System - The firestop system shall consist of the following:

A Packing Material - Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. Fill, Vold or Cavity Material* - Sealant - Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or both surfaces of wall assembly.

SPECIFIED TECHNOLOGIES INC - Blazemaster Caulk & Walk Pro

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

- 1A. Chase Wall (Optional, Not Shown) The through penetrant (Item 2) may be routed through a single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 1 in. (25 mm) greater than the diameter of the insulated pipe (Item 2). The chase wall shall include the following construction features:

 A. Studs Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or double nom 2 by 4 in. (51 by 102 mm) lumber studs.

 B. Sole Plate Nom 2 by 4 in. (51 by 102 mm), 2 by 6 in. (51 by 152 mm) or parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Diam of opening is to be max 1 in. (25 mm) larger than diam of insulated metallic pipe. As an alternate for pipes insulated with max 1 in. (25 mm) thick glass fiber insulation (Item 3A), the opening may be square-cut with a max dimension 1 in. (25 mm) greater than the diam of the insulated pipe. Plates may be discontinuous over opening, terminating at two opposing edges of opening. Max length of discontinuity is 7 in. (178 mm).

 C. Top Plate The single or double top plate shall consist of one or two nom 2 by 4 in. (51 by 102 mm), one or two nom 2 by 6 in. (51 by 152 mm) or one or two sets of parallel 2 by 4 in. (51 by 102 mm) lumber plates, tightly butted. Diam of opening is to be max 1 in. (25 mm) larger than diam of insulated metallic pipe. As an alternate for pipes insulated wax 1 in. (25 mm) thick glass fiber insulation (Item 3A), the opening may be square-cut with a max dimension 1 in. (25 mm) frater than the diam of the insulated pipe. Plates may be discontinuous over opening, terminating at two opposing edges of opening. Max length of discontinuity is 7 in. (178 mm).

 D. Steel Plate (Not Shown) When lumber plates are discontinuous, nom 1-1/2 in. (38 mm) wide No. 20 gauge (or heavier) galv steel plates shall be installed to connect discontinuous lumber plates and to provide a form for the fill material. Steel plates sized to lap 2 in. (51 mm) onto each discontinuous lumber plates and secured to lumber plat
- D. Copper Pipe Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

 3. Pipe Covering* One of the following types of pipe coverings shall be used:

 A. Pipe and Equipment Covering Materials* Nom 1 or 1-1/2 in. (25 or 38 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 58 kg/m³) glass fiber units jacketed on the outside with an all service jacket. Longitudinal plus large transverse joints secured with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or but sex pupiled with the product. The annular space between the insulated through penetrant and periphery of opening shall be min 0 in. (point contact) to max 1 in. (25 mm), When 1-1/2 in. (38 mm) thick insulation is used, max F and FH Ratings are 2 hr.

 See Pipe and Equipment Covering Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used:
- wire spaced max 12 in. (305 mm) QC. The annular space between the insulated through penetrant and periphery of openin shall be min 0 in. (point contact) to max 1 in. (25 mm).

 INDUSTRIAL INSULATION GROUP L. C. + High Temperature Pipe Insulation 1200, High Temperature Pipe Insulation BWT or High Temperature Pipe Insulation Thermaloc.

 C. Sheathing Material* Used in conjunction with Item 38. Foil-scrim-kraft or all service jacket material shall be wrapped around the outer circumference of the pipe insulation (Item 38) with the kraft side exposed. Longitudinal joints and transverse joints sealed with metal fasteners or but tape.

 See Sheathing Materials (BVDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or
- Transverse joints sealed with metal fasteners or butt tape.

 See Sheathing Matcrials (WDV) category in the Building Materials Directory for names of manufacturers. Any sheathing material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

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 Proceeding

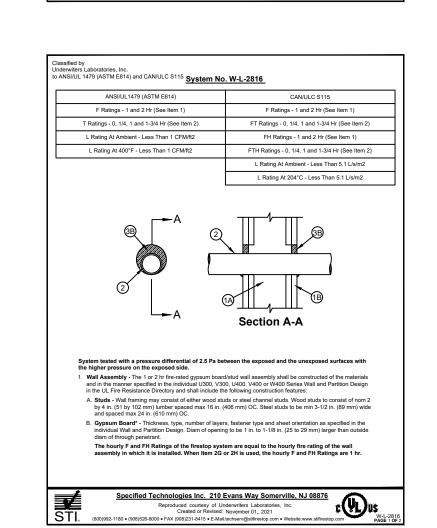
 Comparison

 Comparison

 Comparison

 Proceeding

 **Proceeding*



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:
 - UL Fire Resistance Directory;
 Current Edition
 - NFPA 101 Life Safety Code
 - All governing local and regional building codes
- 5. Firestop System installation must meet requirements of ASTM E-814 (UL 1479), ASTM E1966 (UL 1479), ASTM 1966 (UL 2079), ASTM E2307, or ULC-S115 (as required) in tested assemblies that provide a fire rating equal to that of the surrounding construction.

DIVISION 4: Masonry

DIVISION 7: Thermal & Moisture

Protection

DIVISION 22: Plumbing

PROJECT NAME:

BLAZEMASTER CAULK & WALK PRO SEALANT PROJECT LOCATION:

ARCHITECT/CONSULTANT:

TITLE:

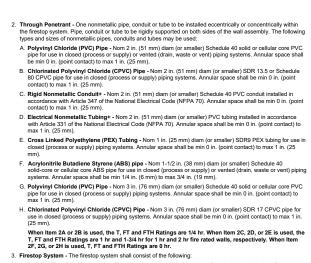
210 Evans Way

STI FIRESTOP SYSTEMS



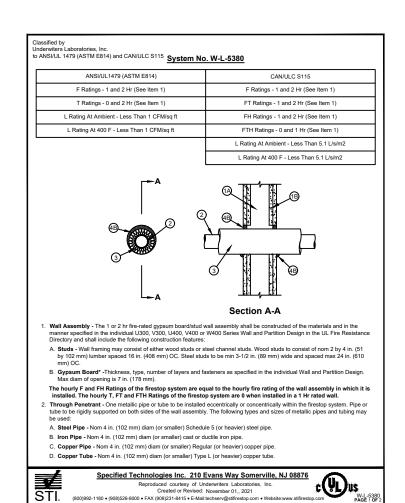


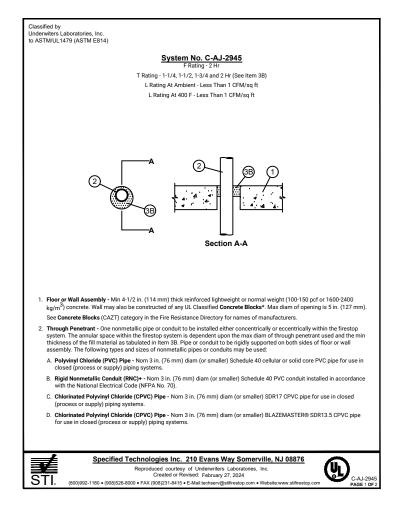
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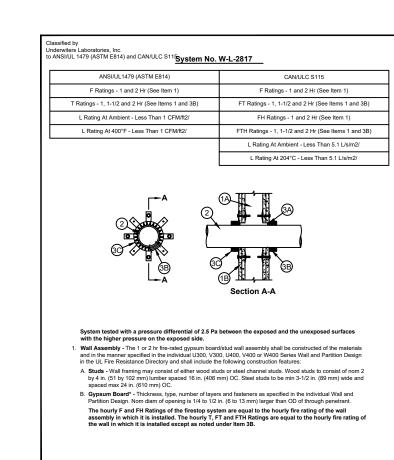


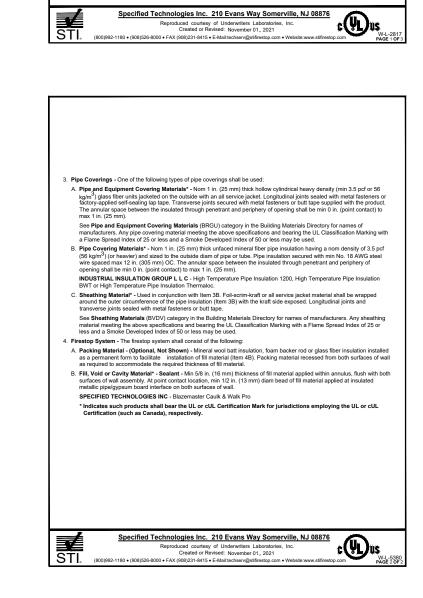
Firestop System - The firestop system shall consist of the following:
 A. Packing Material - (Optional, Not Shown) - Mineral wool batt insulation, foam backer rod or glass fiber insulation installed as a permanent form to facilitate installation of fill material (Item 3B). Packing material recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
 B. Fill, Void or Cavity Material* - Sealant - Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly. At point contact location, min 14 in. (6 mm) diam bead of fill material applied at nonmetallic pipe/gypsum board interface on both surfaces of wall.
 SPECIFIED TECHNOLOGIES INC - Blazemaster Caulik & Walk Pro
 *Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

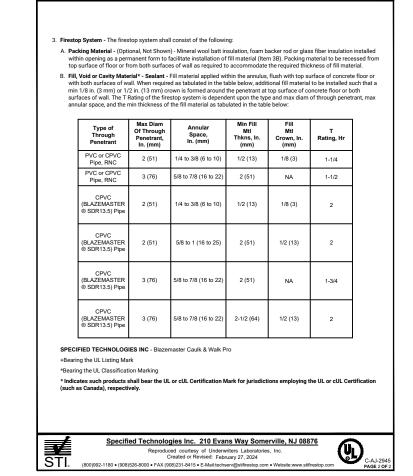












2. Through Penetrant - One normetallic pipe or conduit to be installed eccentrically or concentrically within the firestop system. The annular space shall range from min 0 in, (point contact) to max 1/2 in, (13 mm), dependent upon pipe diameter. Pipe or conduit to be rigidly supported on both sides of the wall assembly. The following types and sizes of normetallic pipes or conduits may be used:

A. Polyvinyt Chloride (PVC) Pipe - Nom 6 in, (152 mm) diam (or smaller) solid or cellular core Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

B. Chlorinated Polyvinyt Chloride (PVC) Pipe - Nom 6 in, (152 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) piping systems.

C. Rigid Nonmetallic Conduit+ - Nom 6 in, (152 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NPPA 70).

D. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 6 in, (152 mm) diam (or smaller) solid or cellular core Schedule 40 ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

E. Fire Retardant Polypropylene (FRPP) Pipe - Nom 6 in, (152 mm) diam (or smaller) Schedule 40 FRPP pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

S. Firestop System - The firestop systems shall consist of the following:

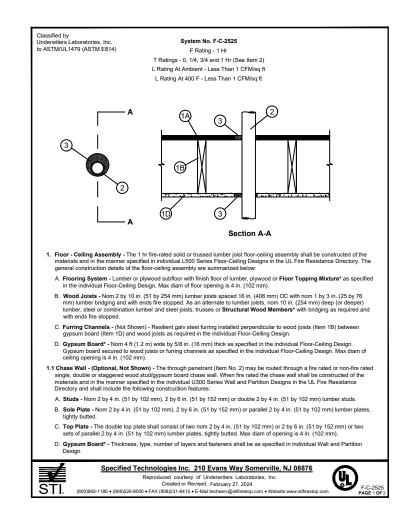
A. Fill, Void or Cavity Material* - Sealant - Fill material installed to min 1/4 in, (6 mm) depth within annulus on both sides of wail.

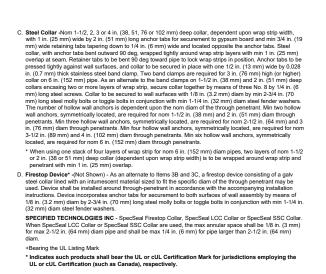
SPECIFIED TECHNOLOGIES INC - Blazemaster Caulk & Walk Pro

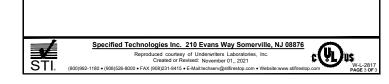
B. Fill, Void or Cavity Material* - Wrap Strip - Nom 1/8 or 3/16 in, (3.2 or 4.8 mm) thick intumescent material faced on both sides with plastic film, supplied in 1-1/2 in, (38 mm) wide strips. Strips tightly wrapped around normetallic pipe with edges butted against both surfaces of the wall. The varpa strip are dependent on the diam of the pipe as tabulated below.

Diam of Through Penetrant, In, (mm) Wrap Strip - Yepe Wrap Strip - Red 2









- Through Penetrant One nonmetallic pipe, conduit or tubing to be installed within the firestop system. Diam of openings
 hole-sawed through flooring system and through gypsum board ceiling to be 1/4 to 1-5/8 in. (6 to 41 mm) larger than the
 outside diam of through penetrant. Pipe, conduit or tubing to be rigidly supported on both sides of the floor-ceiling assembly.
 The following types and sizes of nonmetallic pipes, conduits or tubing may be used:
- A. Polyvinyl Chloride (PVC) Pipe Nom 2 in. (51 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for in closed (process or supply) or vented (drain, waste or vent) piping systems. The T Rating for the firestop system with the penetrant is used is 1 hr except that when nom diam of pipe exceeds 1 in. (25 mm), the T Rating is 1/4 hr.

 B. Rigid Nonmetallic Condult (RNC)+ Nom 2 in. (51 mm) diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code (NFPA No. 70). The T Rating for the firestop system whe this penetrant is used is 1 hr except that when nom diam of pipe exceeds 1 in. (25 mm), the T Rating is 1/4 hr.
- this penetrant is used is 1 hr except that when nom diam of pipe exceeds 1 in. (25 mm), the T rating is 1/4 hr.

 C. Chlorinated Polyvinyl Chloride (CPVC) Pipe Nom 2 in. (51 mm) diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. The T Rating for the firestop system when this penetrant is used is 1 hr except that when nom diam of pipe exceeds 1 in. (25 mm), the T Rating is 1/4 hr.

 D. Acrylorithis Rutarlines Styrene (ARS) [line, a Nom? in (15 mm) diam (or smaller) Scheduler of solid one ARS.
- D. Acrylonitrile Butadiene Styrene (ABS) Pipe Nom 2 in. (51 mm) diam (or smaller) Schedule 40 cellular or solid core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. The T Rating for the firestop system when this penetrant is used is 0 hr.

 E Polyhytytene (PB) Pipe Nom 1 in (75 mm) diam (or smaller) SDP 11 PB pipe for use in closed (process or supply) piping.
- E. Polybutylene (PB) Pipe Nom 1 in. (25 mm) diam (or smaller) SDR.11 PB pipe for use in closed (process or supply) piping systems. The T Rating for the firestop system when this penetrant is used is 1 hr.

 F. Cross Linked Polyethylene Aluminum-Cross Linked Polyethylene (PEX AL-PEX) Tubing Nom 1 in. (25 mm) diam (or smaller) SDR.5 PEX.AL-PEX tubing for use in closed (process or supply) piping systems. The T Rating for the firestop system when this penetrant is used is 3/4 hr.
- G. Cross Linked Polyethylene (PEX) Tubing Nom 2 in. (51 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems. The T Rating for the firestop system when this penetrant is used is 1 hr.

 H. Electrical Nonmetallic Tubing (Expl.) Not 2 in. (51 mm) diam (or smaller) PVC buting installed in accordance with Addition 3 of the National Electrical Code (NEPA No. 70). The T Pating for the firestop system when this penetrant is
- H. Electrical Nonmetallic Tubing (ENT)+ Nom 2 in. (51 mm) diam (or smaller) PVC tubing installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70). The T Rating for the firestop system when this penetrant is used is 1 hr except that when nom diam of tube exceeds 1 in. (25 mm), the T Rating is 1/4 hr.

 I. Chlorinated Polyvinyl Chloride (CPVC) Pipe Nom 2 in. (51 mm) diam (or smaller) Schedule 80 CPVC pipe for use in closed (process or supply) piping systems. The T Rating for the firestop system when this penetrant is used is 1 hr
- Chlorinated Polyvinyl Chloride (CPVC) Pipe Nom 2 in. (51 mm) diam (or smaller) Schedule 80 CPVC pipe for use in closed (process or supply) piping systems. The T Rating for the firestop system when this penetrant is used is 1 hr except that when nom diam of the be exceeds 1 in. (25 mm), the T Rating is 1/4 hr.

 J. Chlorinated Polyvinyl Chloride (CPVC) Pipe Nom 2 in. (51 mm) diam (or smaller) BLAZEMASTER® SDR13.5 CPVC pipe for use in closed (process or supply) piping systems. The T Rating for the firestop system when this penetrant is used is 1 hr except that when nom diam of pipe exceeds 1 in. (25 mm), the T Rating is 1/4 hr.
- When 2A, 2B, 2C, 2E, 2F, 2G, 2H, 2l or 2J is used, the annular space shall be min 0 in. (point contact) to max 1-5/8 in. (41 mm). When 2D is used, the annular space shall be min 0 in. (point contact) to max 1 in. (25 mm) except that when nom pipe diam exceeds 1-1/2 in. (38 mm), the max annular space is 5/8 in. (16 mm).

 3. Fill, Yold or Cavity Material* Sealant Min 3/4 in. (19 mm) thickness of fill material applied within annulus on top surface of floor. Min 5/8 in. (16 mm) thickness of fill material applied within annulus on to surface of ceiling or lower top plate of chase wall assembly. Additional fill material to be installed such that a min 1/8 in. (3 mm) crown is formed around the through penetrant on bottom surface of ceiling or lower plate of chase wall assembly.

 SPECIFED TECHNOLOGIES INC Blazemstar Caulik & Walk Pro

+Bearing the UL Listing Mark



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:
 - UL Fire Resistance Directory;
 Current Edition
 - NFPA 101 Life Safety Code
 - All governing local and regional building codes
- 5. Firestop System installation must meet requirements of ASTM E-814 (UL 1479), ASTM E1966 (UL 1479), ASTM 1966 (UL 2079), ASTM E2307, or ULC-S115 (as required) in tested assemblies that provide a fire rating equal to that of the surrounding construction.

DIVISION 4: Masonry

DIVISION 7: Thermal & Moisture

Protection

DIVISION 22: Plumbing

PROJECT NAME:

BLAZEMASTER CAULK & WALK PRO SEALANT PROJECT LOCATION:

ARCHITECT/CONSULTANT:

TITLE:

210 Evans Way

STI FIRESTOP SYSTEMS





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