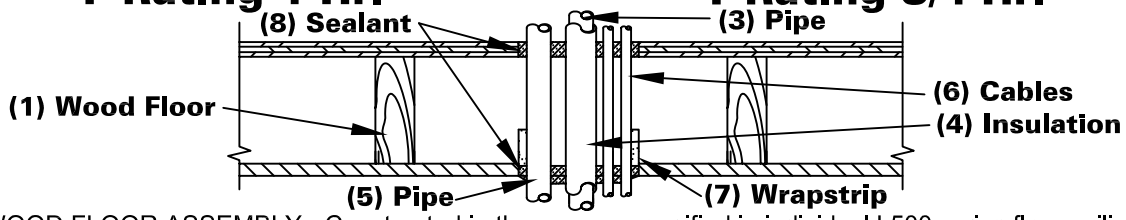
WOOD/STEEL JOIST FLOOR
CABLES, METALLIC PIPES

F Rating 1 Hr. T Rating 3/4 Hr.



1. WOOD FLOOR ASSEMBLY - Constructed in the manner specified in individual L500 series floor-ceiling designs in the UL Fire Resistance Directory. As an alternate to lumber joists, nom 10" (254mm) deep lumber, steel or combination lumber and steel joists or trusses. Max. diameter of opening is 4-1/2" (114mm).

(A) FLOORING SYSTEM - Lumber or plywood subfloor with finish lumber, plywood or FLOOR TOPPING mixture.

(B) FURRING CHANNELS (not shown) - Resilient galv. steel furring installed perpendicular to wood/steel joists/trusses between gypsum board and wood/steel joists/trusses or furring channels.

(C) GYPSUM BOARD - Gypsum wallboard secured to wood/steel joists/trusses or furring channels.

2. WALL ASSEMBLY (optional, not shown) - Constructed in the manner specified in the U300 series designs as shown in the UL Fire Resistance Directory.

3. METALLIC PIPE or CONDUIT - One or more metallic pipes, conduits or tubing to be installed within the firestop system.

(A) STEEL PIPE - Nom 3/4" (19mm) diameter (or smaller) Sch. 10 (or heavier) steel pipe.

(B) IRON PIPE - Nom 3/4" (19mm) diameter (or smaller) cast or ductile iron pipe.

(C) CONDUIT - Nom 3/4" (19mm) diameter (or smaller) steel electrical metallic tubing or galv steel conduit.

(D) COPPER TUBING or PIPE - Nom 3/4" (19mm) diameter (or smaller) Type L (or heavier) copper tubing or regular (or heavier) copper pipe.

Pipes to be spaced 1/8" (3mm) to 1/2" (13mm) apart. The space between pipes and the periphery of the opening is 1/4" (6mm) to 1/2" (13mm).

4. PIPE INSULATION - Nom 3/4" (19mm) thick AB/PVC (ARMAFLEX) pipe insulation to be applied to one or more of the metallic pipes or tubing. Insulated pipes or tubing shall be spaced a min. 1/4" (6mm) to a max. 1/2" (13mm) from the other pipes. The space between insulated pipes and periphery of opening shall be a min. 1/4" (6mm) to a max. 1/2" (13mm).

5. NONMETALLIC PIPE - Max. 1-1/4" (32mm) diameter or smaller, Sch. 40 PVC, RNC or SDR13.5 CPVC pipe. PVC pipe to be used in closed or vented piping systems. CPVC pipe to be used in closed piping system. Pipe to be spaced 1/8" (3mm) to 1/2" (13mm) from other penetrants. The annular space between pipe and periphery of opening shall be 1/4" (6mm) to 1/2" (13mm).

6. CABLES - Two 7/C No. 12 AWG with PVC - nylon insulation and PVC jacketed material. Cable to be spaced 1/8" (3mm) to 1/2" (13mm) from the other penetrants and spaced between the cable and periphery of opening shall be a min. 1/4" (6mm) to a max. 1/2" (13mm).

7. NELSON WRS3 WRAPSTRIP (part # AA0896) - Apply 1 continuous layer of 1/4" (6mm) thick by 1" (25mm) wide Nelson wrapstrip around outer group of penetrants and at its egress from the bottom surface of ceiling or lower top plate of chase wall assembly. The bottom edge of wrapstrip shall be recessed a nom 3/8" (10mm) from the bottom surface of ceiling or lower top plate of chase wall assembly.

8. NELSON LBS3 SEALANT - Apply a min. 3/4" (19mm) depth of sealant withinthe annulus, flush with top surface of the floor. At bottom of the assembly, min. 3/8" (10mm) thickness of sealant applied within annulus, flush with bottom surface of ceiling or lower top plate of chase wall assembly. Additional sealant shall be applied such that a min. 1/4" (6mm) crown is formed around the penetrating items on bottom and top surface of assembly.

Tested in accordance with:
ASTM E-814
ANSI/UL 1479

CLASSIFIED C UL US

System No.
F-C-8034

Nelson Firestop

DWG NO. FS-0626 R2

DATE: 11/07/06

BY: RL

MEA # 128-04-M

Project Name: _____
Address: _____
_____
Installer: _____
Address: _____
_____
Signature: _____

Nelson Firestop
800 331-7325 Fax: 918 627-2941
Tulsa, Ok.