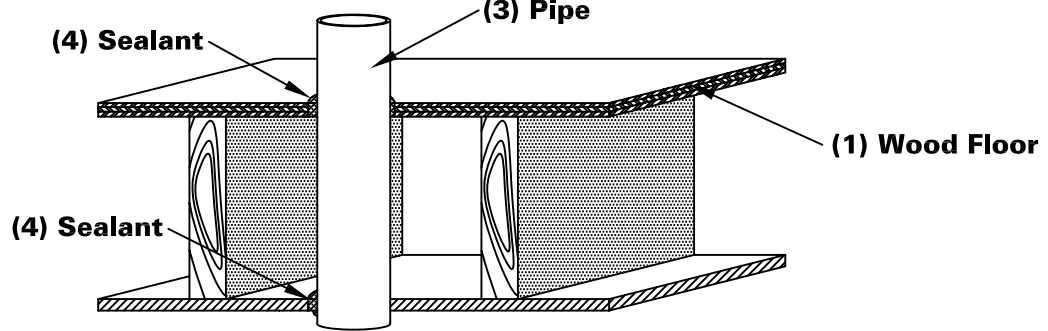


WOOD/STEEL JOIST FLOOR METALLIC PIPE OR CONDUIT

F Rating 1 or 2 Hr.

T Rating 1/2 or 1 Hr.



1. **WOOD FLOOR ASSEMBLY** - Constructed in the manner specified in individual L500 series floor-ceiling designs in the UL Fire Resistance Directory. The 2 Hr. fire-rated wood joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in Design Nos. L505, L511, L536 in the UL Fire Resistance Directory.
 - (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 and in 2 hr. assemblies, installed perpendicular to wood joists between first and second layers of gypsum board. All spaced max. 24" O.C..
 - (C) **GYPSON BOARD** - First layer of wallboard secured to wood/steel joists/trusses or furring channels. Second layer of wallboard (2hr.) screw-attached to furring channels.
2. **WALL ASSEMBLY** (optional) (not shown) - Constructed in the manner specified in individual U300 series designs as shown in the UL Fire Resistance Directory.
3. **METALLIC PIPE** - The following types and sizes of metallic pipes, conduits or tubing may be used.
 - (A) **STEEL PIPE** - Nom 4" (102mm) diameter (or smaller) Sch. 10 (or heavier) steel pipe.
 - (B) **IRON PIPE** - Nom 4" (102mm) diameter (or smaller) cast or ductile iron pipe.
 - (C) **CONDUIT** - Nom 4" (102mm) diameter (or smaller) steel electrical metallic tubing or rigid galv steel conduit.
 - (D) **COPPER TUBING or PIPE** - Nom 3" (76mm) diameter (or smaller) Type L (or heavier) copper tubing or regular (or heavier) copper pipe.

T rating is 1 Hr. if steel, cast iron pipe, RMC, or EMT is used and T rating is 1/2 Hr. if copper tubing or pipe is used.
Annular space is min. 0" (point of contact) to max. 1/2" (13mm) for steel, cast iron, RMC or EMT, or 0" (point of contact) to 7/8" (22mm) for copper pipe or tubing.
4. **NELSON ES1399 SEALANT** - Apply a min. 3/4" (19mm) depth of sealant within the annulus, flush with top surface of floor or sole plate. Min. 5/8" (16mm) thickness of sealant within the annulus, flush with bottom surface of ceiling or bottom top plate. At areas of point of contact, apply a min. 3/8" (10mm) diameter bead of sealant applied at penetrant/floor or sole plate interface and at penetrant/ceiling or top plate interface. Additional sealant shall be applied in such manner that the sealant overlaps a min. 1/2" (13mm) beyond the periphery of the opening on the top surface of the floor or sole plate and bottom surface of ceiling or bottom top plate.

Tested in accordance with:

ASTM E-814
ANSI/UL 1479



**System No.
F-C-1100**

Nelson Firestop

DWG NO. FS-0486 R3

DATE: 10/27/06

BY: RL

MEA # 125-04-M

Nelson Firestop

800 331-7325 Fax: 918 627-2941

Tulsa, Ok.

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