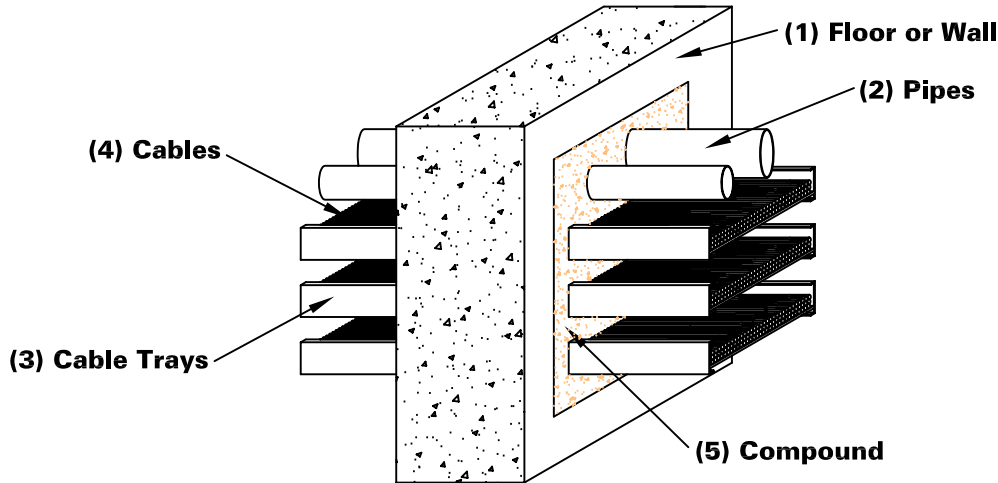


CONCRETE FLOOR OR WALL CABLE TRAY

F Rating 2 Hr.

T Rating 0 Hr.



1. FLOOR or WALL ASSEMBLY - Min. 4-1/2" (114mm) thick lightweight or normal weight concrete floor or wall, or CMU block wall. The max. size of the opening is 40" X 48" (1016mm x 1219mm). The annular space range is 1" to 12" (25mm to 305mm).
2. METALLIC PIPE or CONDUITS - A max. of (2) penetrants to be installed within opening and annular space between them is 13" (330mm).
The following types and sizes of metallic pipes, conduits or tubing may be used:
 - (A) Nom 10" (254mm) diameter (or smaller) Sch. 10 (or heavier) steel pipe.
 - (B) Nom 10" (254mm) diameter (or smaller) cast or ductile iron pipe.
 - (C) Nom 4" (102mm) diameter (or smaller) steel electrical metallic tubing or nom 6" (152mm) diameter (or smaller) steel conduit.
 - (D) Nom 4" (102mm) diameter (or smaller) Type L (or heavier) copper tubing or regular (or heavier) copper pipe.

Only one copper pipe or tubing may be larger than nominal 4" (102mm) diameter. Annular space between pipes and the periphery of the opening is 1" to 6-1/2" (25mm to 165mm). The annular space between the pipe and the cable trays is 4" to 12" (102mm to 305mm).
3. CABLE TRAY - Max. 36" (914mm) wide by 4" (102mm) deep open ladder type, steel cable tray. A max. of (3) trays may penetrate the opening with a min. 8" (203mm) separation between trays. Annular space is 1" to 4" (25mm to 102mm).
4. CABLES - Max. 30% cable fill of opening in any combination of:
 - (A) max. 1/C - 350 kcmil cable w/polyvinyl chloride (PVC) insulation and jacket.
 - (B) max. 7/C - #12 awg cable w/PVC nylon insulation and PVC jacket.
 - (C) max. 100pr. #24 awg cable w/PVC insulation and jacket.
5. NELSON CMP COMPOUND (part # AA476) - Installed to fill the opening around the trays to a min. 4-1/2" (114mm) depth, flush with the top surface of the floor or both surfaces of the wall.

Tested in accordance with:

ASTM E-814
ANSI/UL 1479



**System No.
C-AJ-8049**

Nelson Firestop

DWG NO. FS-0149 R3

DATE: 07/18/06

BY: RL

MEA # 236-87--M Vol.2

Nelson Firestop

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

Project Name: _____

Address: _____

Installer: _____

Address: _____

Signature: _____