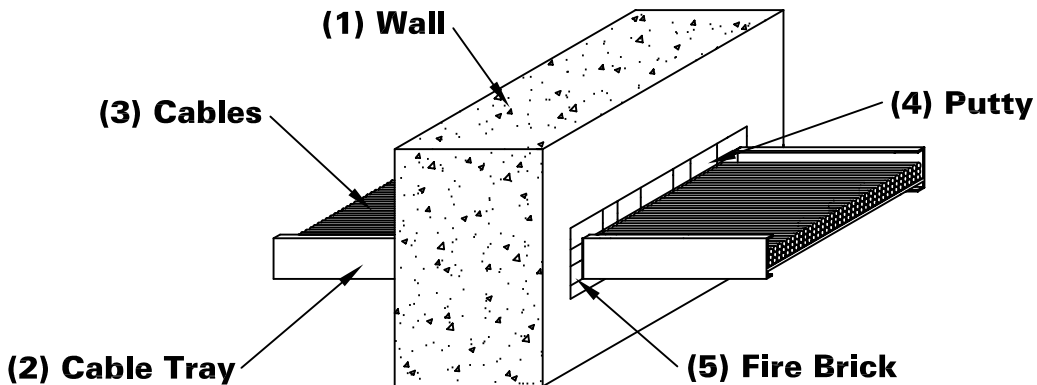


CONCRETE WALL CABLE TRAY

F Rating 2 Hr.

T Rating 3/4 Hr.



1. WALL ASSEMBLY - Min. 6" (152mm) thick reinforced lightweight or normal weight concrete. Wall may also be constructed of any UL Classified Concrete Blocks. The max. area of opening is 168 sq. in. (1084 sq. cm) with a max. dimension of 28" (711mm).
2. CABLE TRAY - Max. 24" wide x 4" deep open ladder cable tray. The annular space between the cable tray and periphery of opening shall be min. 0" (point of contact) to 2".
3. CABLES - Max. 40% cable fill of opening in any combination of:
 - A). 1/C-350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene jacket.
 - B). 200 pair - No. 24awg (or smaller) copper conductor cable with polyvinyl insulation and jacket.
 - C). 62.5/125 fiber optic cable with PVC insulation and jacket.
 - D). Max. 3/C No.12awg (or smaller) METAL-CLAD cable.
4. NELSON FSP PUTTY (part # AA445) - Prior to installation of the fire bricks, min. 3/8" (10mm) thickness of putty forced into interstices of cables and between cables and cable tray within the full depth of the stud cavity. After installation of the fire bricks, min. 3/8" (10mm) additional putty applied between the interstices of cables, between cables and cable tray, between the fire bricks and cables and between cable tray and fire brick on both surfaces of the wall assembly. At point of contact location between cable tray and wall, a min. 3/8" (10mm) thickness of putty applied at the cable tray/concrete interface on both surfaces of the wall.
5. NELSON FIRE BRICKS (part # AA0834) - For reinforced concrete and solid filled concrete block wall assemblies, fire bricks installed centered within depth of opening with the long dimension placed horizontally. For hollow core block walls, fire bricks installed with long dimension passing through the opening from surface to surface. Fire bricks to completely fill the opening.

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



**System No.
W-J-4058**

Nelson Firestop

DWG NO. FS-0643 R1

Project Name: _____
Address: _____

Installer: _____
Address: _____

Signature: _____

DATE: 07/19/06

BY: RL

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