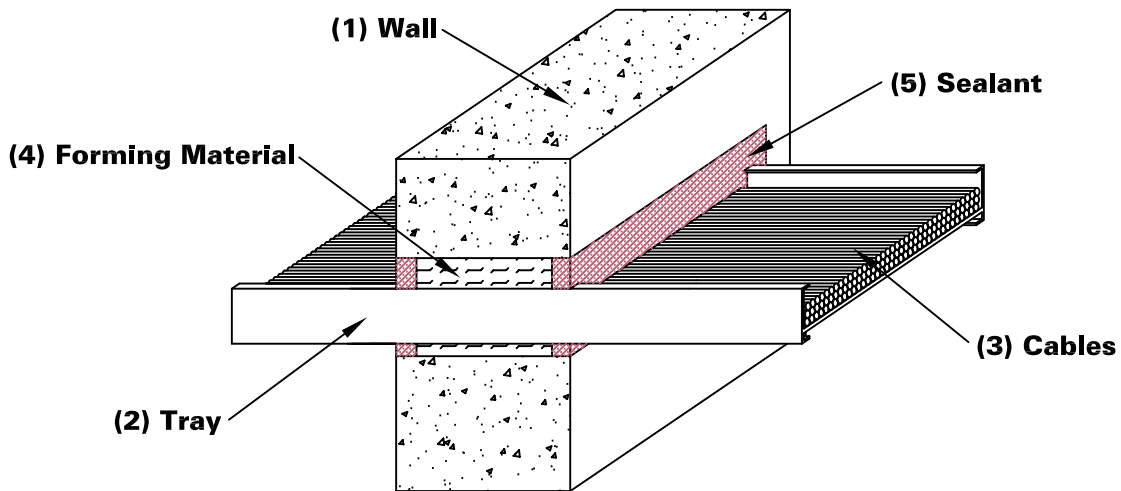


# CONCRETE WALL CABLE TRAY

**F Rating 2 Hr.**

**T Rating 0 Hr.**



1. WALL ASSEMBLY - Min. 5" (127mm) reinforced lightweight or normal weight concrete or CMU block wall. The max. area of opening is 136.5 sq. in. (881 sq. cm) with a max. dimension of 22-3/4" (578mm).
2. CABLE TRAY - Max. 18" (457mm) wide x 5" (127mm) deep open ladder type cable tray with channel-shaped side rails formed of min. 0.069 in. (2mm) thick aluminum and with 1" (25mm) wide by 7/8" (22mm) deep rungs spaced (229mm) OC. The annular space between the cable tray and periphery of the opening shall be min. 3/8" (10mm) to max. 1-9/16" (40mm).
3. CABLES - Max. 20% cable fill of opening in any combination of:
  - (A) max. 1/C - 350 kcmil cable w/cross linked polyethylene (XLPE) jacket.
  - (B) max. 3/C #2awg cable w/XLPE insulation and polyvinyl chloride (PVC) jacket.
  - (C) max. 7/C #12awg cable w/PVC insulation and jacket.
  - (D) max. 2/C #16awg cable w/PVC insulation and jacket.
4. FORMING MATERIAL - Min. 4" (102mm) thickness of min. 4pcf (64 kg/cubic meter) mineral wool batt insulation firmly packed into opening. Forming material to be forced into interstices of cable group to max. extent possible and recessed 1/2" (13mm) from both surfaces of wall.
5. NELSON LBS3 SEALANT - Min. 1/2" (13mm) thickness of sealant applied within the annulus on both surfaces of wall. Sealant to be forced into interstices of cable group to max. extent possible. Additional sealant to be installed such that a min. 1/2" (13mm) thick crown is formed around the penetrating item and lapping a min. 1/2" (13mm) beyond the periphery of the opening.

Tested in accordance with:

ASTM E-814  
ANSI/UL 1479



**System No.  
W-J-4045**

**Nelson Firestop**

**DWG NO. FS-0579 R1**

**Project Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Installer:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Signature:** \_\_\_\_\_

**DATE:** 07/21/06

**BY:** RL

MEA # 126-04-M

**Nelson Firestop**  
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 Tulsa, Ok.