

➤ INSTALLATION INSTRUCTIONS

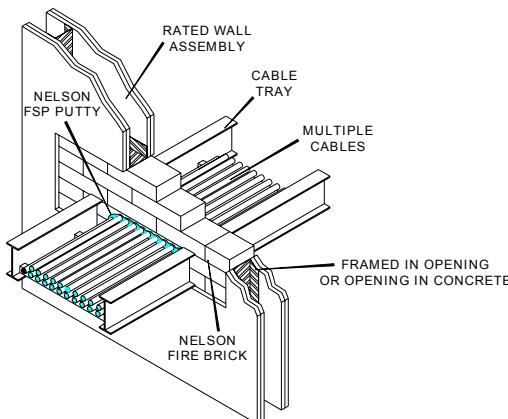
GENERAL: Areas to be protected must be clean and free of oil, loose dirt or rust.

APPLICATION SYSTEM SELECTION: Selection of an appropriate firestop application system design is critical to the fire protection process. Please consult the Nelson Firestop directory and application guide as well as the UL® Fire Resistance Directory for additional information.

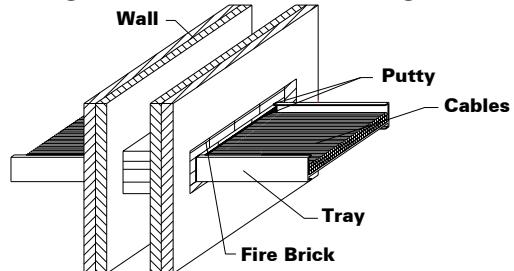
FILL MATERIAL: Prior to installation of the Fire Bricks, min. 3/8" thickness of putty forced into interstices of cables and between cables and cable tray within full depth of the stud cavity. After installation of the Fire Bricks, min. 3/8" additional putty applied between the interstices of cables, 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, min. 3/8" thickness of putty applied at the cable tray/wall interface on both surfaces of the wall.

FIRE BRICK: For walls incorporating max. 3-1/2" steel studs, fire bricks installed with 5" dimension projecting through and centered in opening. For walls constructed of larger than 3-1/2" steel studs Fire Brick installed with long dimension passing through and centered in opening. For reinforced concrete and solid filled concrete block wall assemblies, blocks installed centered within depth of opening with the long dimension placed horizontally. For HOLLOW-CORE block walls, Fire Brick installed with long dimension passing through the opening from surface to surface. Fire Bricks to completely fill the opening.

NELSON AA0834 FIRE BRICK



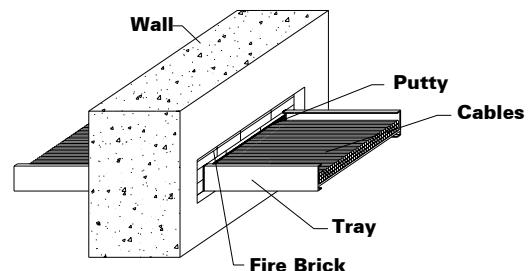
UL System No. W-L-4061
F Rating 1 or 2 Hr. T Rating 3/4 Hr.



- WALL ASSEMBLY - Constructed in the manner specified in the U300, U400 or V400 series designs. The max. area of opening is 168 sq. in. with a max. dimension of 28".
- CABLE TRAY - Max. 24" wide x 4" deep cable tray. The annular space is 0" (point of contact) to 2".
- CABLES - Max. 40% aggregate cross-sectional fill of power, control or communications cable.
A). 1/C-350 kcmil
B). 200 pair - No. 24awg
C). 62 5/125 fiber optic
D). 3/C No.12awg METAL-CLAD cable.
- NELSON FSP PUTTY - Min. 3/8" depth of putty forced into interstices of cables and cable tray.
- NELSON FIRE BRICKS - For 3-1/2" steel studs, fire bricks installed with 5" dimension projecting through and centered in opening. For walls larger than 3-1/2" steel studs, fire brick installed with long dim. passing through and centered in opening.

DWG NO. **FS-0642 R0**

UL System No. W-J-4058
F Rating 2 Hr. T Rating 3/4 Hr.



- WALL ASSEMBLY - Min. 6" concrete wall. The max. area of opening is 168 sq. in. with a max. dimension of 28".
- CABLE TRAY - Max. 24" wide x 4" deep cable tray. The annular space is 0" (point of contact) to 2".
- CABLES - Max. 40% aggregate cross-sectional fill of power, control or communications cable.
A). 1/C-350 kcmil
B). 200 pair - No. 24awg
C). 62 5/125 fiber optic cable
D). Max. 3/C No.12awg METAL-CLAD cable.
- NELSON FSP PUTTY - Min. 3/8" depth of putty forced into interstices of cables and cable tray.
- NELSON FIRE BRICKS - For 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.

DWG NO. **FS-0643 R0**