



Unique Fire Stop Products

UL System W-L-3316

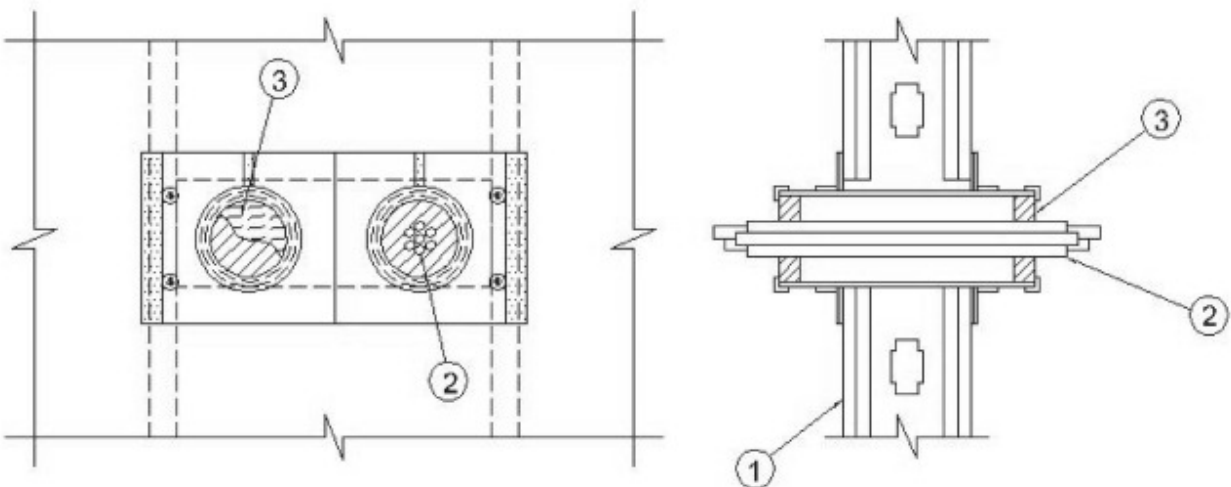
Bulkhead Plate - Sheet Rock 1 and 2 Hr System

F Rating - 1 and 2 Hr (See Item 1 note.)

T Rating - 1 Hr

(UL Guide XHEZ Through-Penetration Firestop Systems)

Nov 3, 2006



1. **Wall Assembly** — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced 16 in. (406 mm) OC.

B. **Gypsum Board*** — 5/8 in. (16 mm) thick, 4 ft (1219 mm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Designs in the UL Fire Resistance Directory.

Note: The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Cables** — Aggregate cross-sectional area of cables in Split Sleeve to be min 0 percent to max 45 percent of the aggregate cross-sectional area of the Split Sleeve. Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of cables may be used:

A. Max 200 pair No. 24 AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) jacketing and insulation.

B. Max 1/C, 750 kcmil power cable with copper conductors and cross-linked polyethylene (XLPE) jacketing.

C. Max 3/C No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket.

D. Max 3/C No. 8 AWG (or smaller) nonmetallic sheathed (Romex) cable with copper conductors, PVC insulation and jacket.

E. Max 7/C No. 12 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation and XLPE or PVC jacket.

F. Max RG6/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacketing.

G. Max 62.5/48 fiber optic cable with PVC insulation and jacketing.

H. Max 4 pair No. 24 AWG (or smaller) copper conductor category 5 with Hylar insulation and jacket.

3. **Firestop System** — The firestop system shall consist of the following:

A. **Firestop Device*** — Dual or triple firestop devices consisting of threaded steel sleeve halves incorporating split nuts and split washers sized to fit the specific opening. Devices shall be installed around cables in accordance with the accompanying installation instructions. Devices provided in nom 2 and 4 in. (51 and 102 mm) sizes. Max dimensions of opening in wall for 2 and 4 in. (51 and 102 mm) size devices are 14-3/4 in. (375 mm) in width by 3 in. (76 mm) in height and 14-3/4 in. (375 mm) in width by 5 in. (127 mm) in height, respectively. Dual or triple opening cover plate shall be attached with steel screws to the vertical studs on both sides of opening.

UNIQUE FIRE STOP PRODUCTS INC - Split Sleeves and Bulkhead Plates (cover plates)

B. **Packing Material** — When there is less than 8 percent cable fill, min 10 in. (254 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into the Split Sleeve as a permanent form. Packing material to be recessed from both ends of sleeve to accommodate the required thickness of fill material.

C. Fill, Void or Cavity Material* - Putty — Min 1 in. (25 mm) thickness of fill material applied within the Split Sleeve, flush with both ends.

UNIQUE FIRE STOP PRODUCTS INC - Fill Kit (putty)

* Bearing the UL Classification Mark