

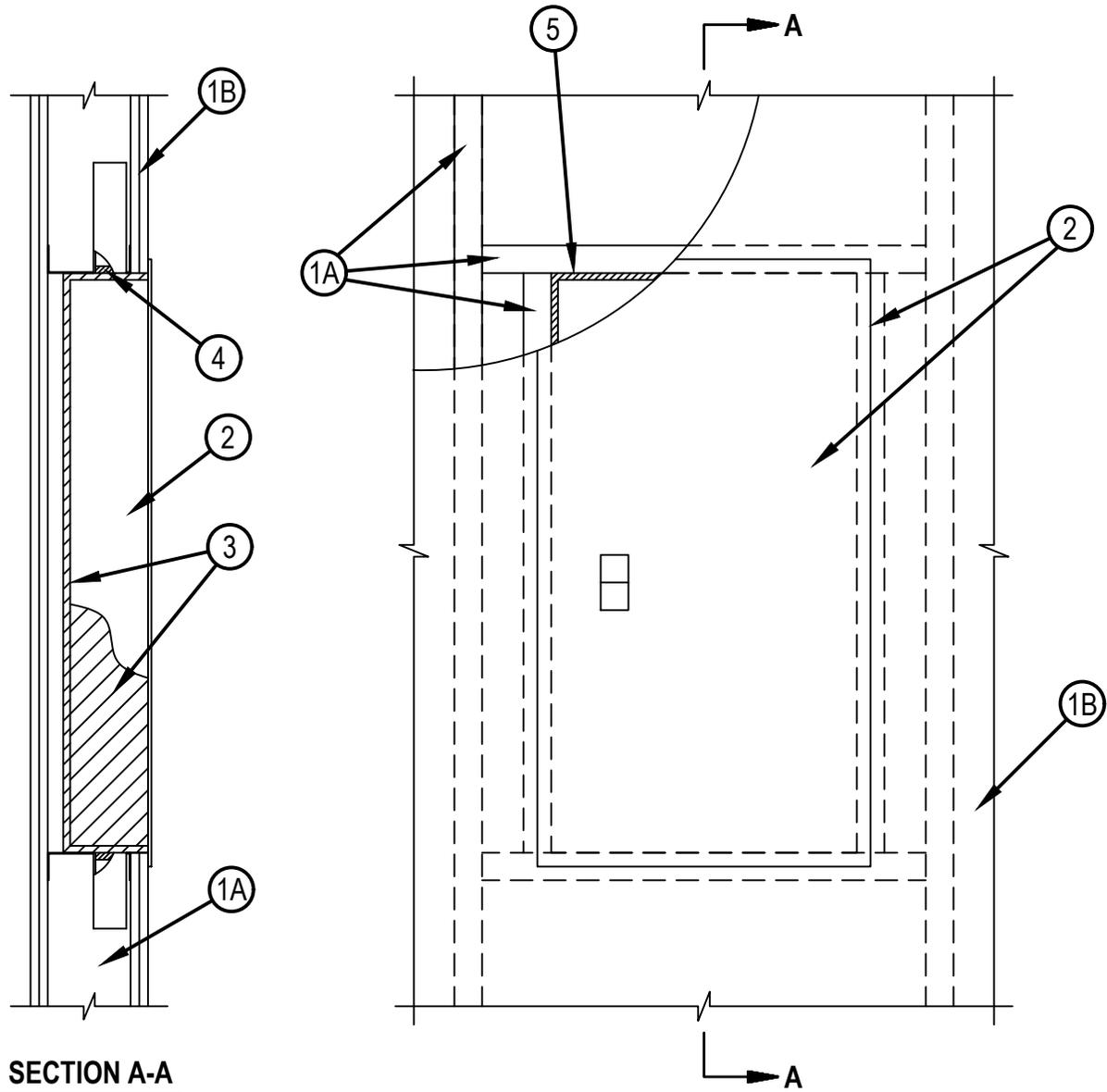


Classified by  
Underwriters Laboratories, Inc.  
to UL 1479 and CAN/ULC-S115

# System No. W-L-7324

WL 7324

| ANSI/UL1479 (ASTM E814)             | CAN/ULC S115                          |
|-------------------------------------|---------------------------------------|
| F Ratings — 1 and 2 Hr (See Item 1) | F Ratings — 1 and 2 Hr (See Item 1)   |
| T Ratings — 1 and 2 Hr (See Item 1) | FT Ratings — 1 and 2 Hr (See Item 1)  |
|                                     | FH Ratings — 1 and 2 Hr (See Item 1)  |
|                                     | FTH Ratings — 1 and 2 Hr (See Item 1) |



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November 15, 2021

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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 U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
  - A. Studs —Wall framing may consist of steel channel studs. Steel studs to be min 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs installed horizontally at the top and bottom of the steel box. Additional studs installed vertically as required for steel box attachment.
  - B. Gypsum Board\* —Gypsum board type, thickness, number of layers, and orientation shall be as specified in the individual Wall and Partition Design. Size of cutout made to accommodate steel box (Item 2) and wrap material (Item 3).  
The hourly Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Box —Max 14-3/8 in. (365 mm) wide by 39 in. (991 mm) by max 3-7/8 (98 mm) by minimum 20 ga steel electrical panel box, steel utility box, or steel med-gas valve box with hinged steel door and mounting flange. Mounting flange to cover opening in gypsum board. Sides of steel box attached from inside the box to wall framing using steel screws after application of wrap material (Item 3). Top, bottom and/or sides of steel box may be penetrated by maximum twenty (20) total penetrants of nom 1/2 in. (13 mm) to 2 in. (51 mm) diam steel pipe, iron pipe, copper pipe or tube, steel conduit, flexible steel conduit or EMT. Steel conduit connectors may be used at interface with steel box. Open ends of pipes, tubes or conduits which terminate inside the box to be plugged with sealant or putty (Item 4).
3. CFP-ES Endo Shield\* —Nom 0.5 in. (13 mm) thick flexible sheet wrap material. One layer sized to cover back and four sides of steel box. At corners of steel box, wrap cut horizontally or vertically, extending from corner of steel box to edge of wrap material. Circular openings made in wrap material to accommodate pipes, tubes or conduits sized max 1/2 in. (13 mm) larger than the outside diameter of the pipe, tube, or conduit. Alternately, where penetrant spacing doesn't allow, wrap may be cut around two or more penetrants not to exceed 1/2 in. (13 mm) annular space between wrap and penetrants. Wrap material folded to maintain contact with back and four sides of steel box. At the corners of the box, wrap material is trimmed at top and bottom so that it is flush with the wrap on the sides and corners are sealed with aluminum foil or FSK tape. As an option, the overhanging material can be folded onto the sides and secured with aluminum foil or FSK tape. As an option, prior to application of wrap material, a bead of construction adhesive may be applied to the back and side of steel box at edge.  
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFP-ES Endo Shield
4. Fill, Void or Cavity Materials\* — Putty or Sealant —Min 1/2 in. (13 mm) thickness of sealant or putty applied into ends of pipes, tubes or conduits that terminate inside box. Additional putty or sealant to fill circular cutouts made to accommodate pipes, tubes or conduits.  
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 618 Putty, FS-ONE MAX Intumescent Sealant
5. Fill, Void or Cavity Materials\* — Sealant —Min 1/4 in. (6 mm) bead of sealant applied over exposed edge of CFP-ES Endo Shield prior to installing mounting flange of steel box (Item 2).  
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 606 Sealant, FS-ONE MAX Intumescent Sealant

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.