

Entek Group, Ltd
EGL/BPF 180-01
Perimeter Fire Barrier System
Talon Wall® Perimeter Fire Barrier System
ASTM E2307

F-Rating	3 Hour
T-Rating	3 Hour
Cycling	None
L-Rating (UL 2079 Air Leakage)	<1.0 SCFM/LF

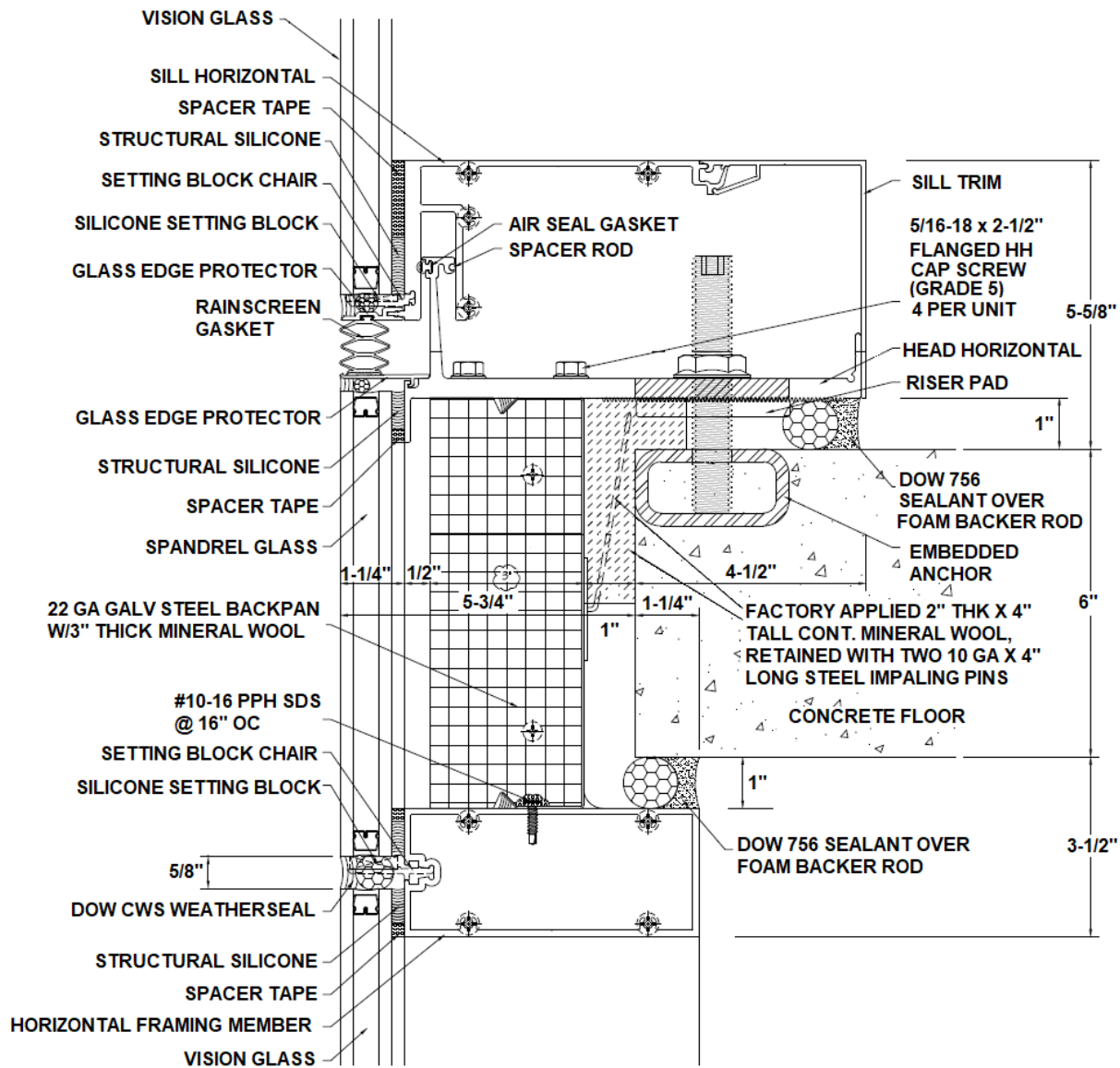


Figure 1. Talon Wall® Perimeter Fire Barrier System – Option 1

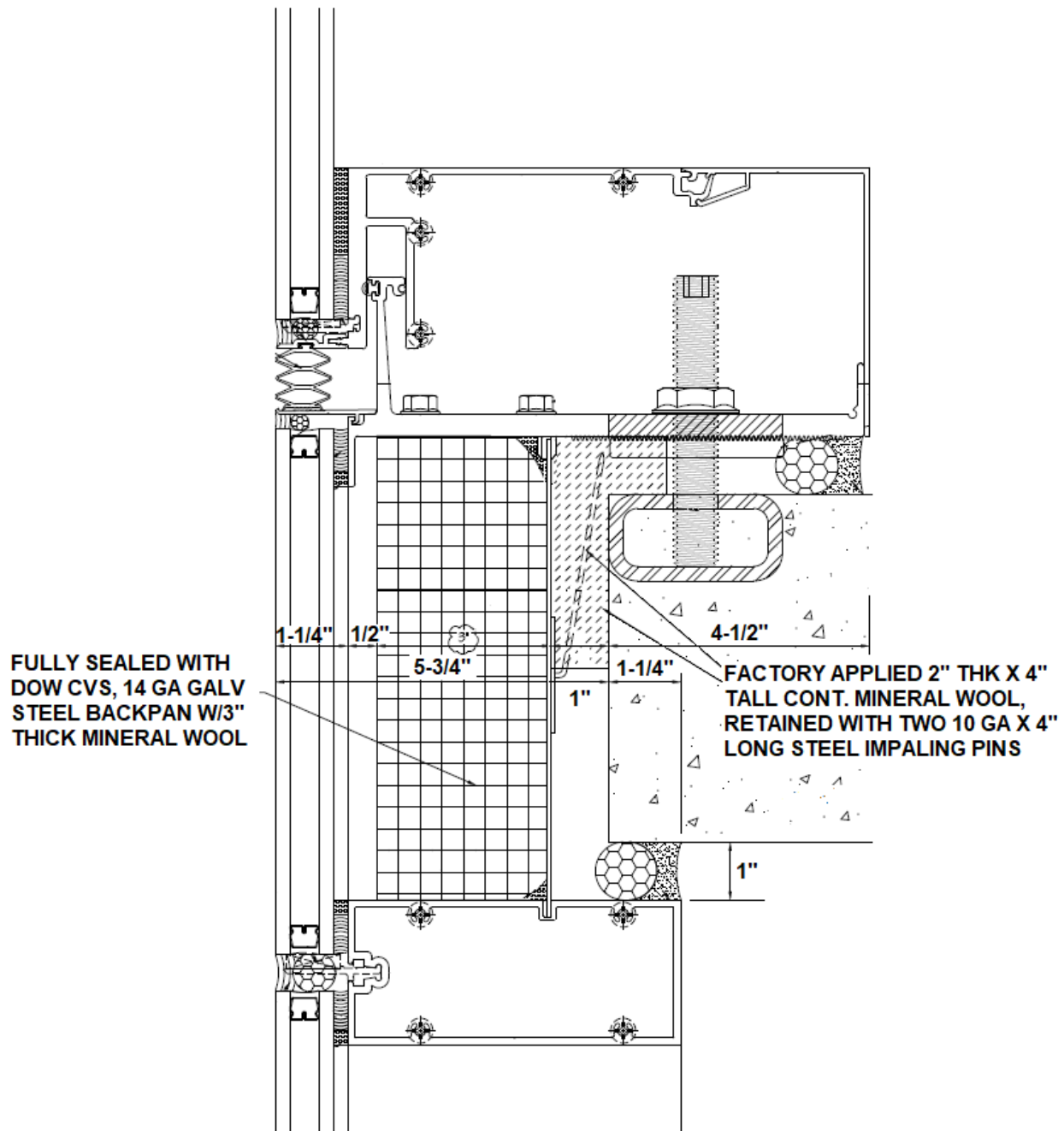
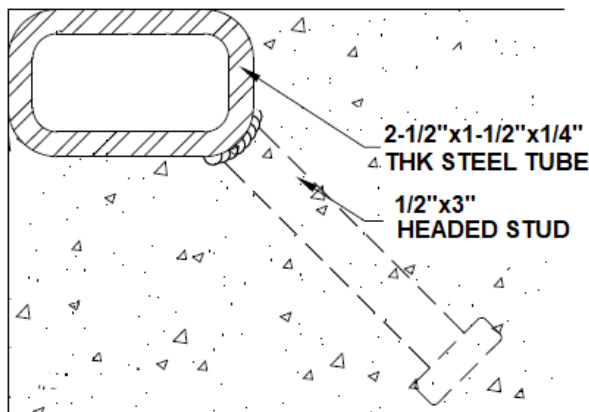


Figure 2. Talon Wall® Perimeter Fire Barrier System – Option 2



1. CONCRETE FLOOR ASSEMBLY: Use a minimum 3 hour fire resistance rated, minimum 6 in. thick lightweight or normal weight concrete floor assembly with a density of 100 to 150 pcf.

- A. **EMBEDDED ANCHOR** – (See Figure 3) Use 16 in. long, 2 1/2 in. × 1 1/2 in. × 1/4 in. thick steel embed anchors, cast in place along the top edge of the floor assembly. Each anchor shall have three 1/2 in. diameter × 3 in. long headed studs equally spaced. Align the anchors with the curtain wall assembly vertical mullions (maximum 60 in. on center (oc)).



16-in. long anchors with three studs
Figure 3. Embedded Anchor

2. CURTAIN WALL ASSEMBLY:

CERTIFIED PRODUCT: Entek Group, Ltd or Peerless Products, Inc. Talon Wall® System

Refer to Figures 1 and 2. Follow the manufacturer's installation instructions. Install the curtain wall assembly and anchor it to the floor using the supplied embedded anchors (Item 1A); supplied minimum 3/4 in. diameter, Grade 5, threaded steel stud Talon bolts; and supplied Grade 5 steel flanged lock nuts. Use two Talon Bolts and lock nuts at each vertical mullion location, one at each side of centerline of mullion.

3. PERIMETER JOINT PROTECTION:

- A. **BACKER ROD** – Install minimum 1 in. diameter bi-cellular polyethylene foam backer rod into the 1 in. spaces formed between the floor assembly and the top and bottom horizontal framing members (see Figure 1 installation and location requirements). Recess the backer rod 3/8 in. to 1/2 in.
- B. **SEALANT** – Apply Dow Corning Dowsil sealant over the backer rods. Fill the recesses with sealant.

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.