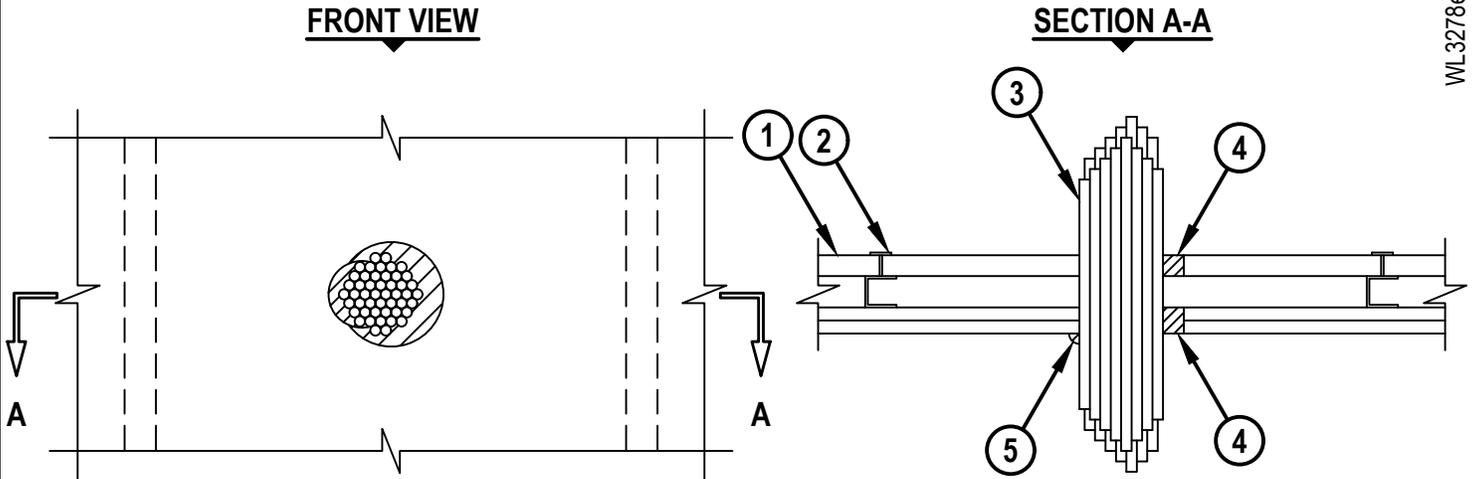


**CABLE BUNDLE THROUGH GYPSUM SHAFT WALL ASSEMBLY**

F-RATING = 2-HR.

T-RATING = 0-HR. OR 1/4-HR.

WL3278e.052021



1. GYPSUM SHAFT WALL ASSEMBLY (UL/cUL CLASSIFIED U400 OR V400 SERIES) (2-HR. FIRE-RATING).
2. "C-T", "C-H" OR "I" SHAPED STEEL STUDS (MINIMUM 1-1/2" DEEP x 2-1/2" WIDE, MIN. 25 GA.) SPACED MAXIMUM 24" C/C.
3. MAXIMUM 4" DIAMETER CABLE BUNDLE CONSISTING OF ANY COMBINATION OF THE FOLLOWING :
  - A. MAXIMUM 100 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC JACKET.
  - B. MAXIMUM 500 KCMIL POWER CABLE WITH PVC JACKET.
  - C. MAXIMUM RG/U COAXIAL CABLE WITH FLUORINATED ETHYLENE OR PVC JACKET.
  - D. MAXIMUM 3/C NO. 8 AWG STEEL CLAD CABLE.
  - E. MAXIMUM 1-1/4" DIAMETER SINGLE OR MULTIPLE CONDUCTOR TYPE MI CABLE (SEE NOTE NO. 3 BELOW).
4. MINIMUM 1" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT FLUSH WITH EACH SURFACE OF WALL ASSEMBLY.
5. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT ON FINISHED SIDE OF SHAFT WALL.

**NOTES :** 1. DIAMETER OF OPENING SHALL BE NOMINAL 1" LARGER THAN DIAMETER OF CABLE BUNDLE TO A MAXIMUM DIAMETER OF 5".  
 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1".  
 3. A MINIMUM 1/8" SEPARATION SHOULD BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPES OF CABLE.

|   |  |   |                                |
|---|--|---|--------------------------------|
| <br><b>Hilti Firestop Systems</b> | HILTI, Inc.<br>Plano, Texas USA (800) 879-8000       | Sheet 1 of 1<br>Scale 7/64" = 1"<br>Date May 20, 2021 | Drawing No.<br><b>WL 3278e</b> |
|   | <i>Saving Lives through Innovation and Education</i> |   |                                |