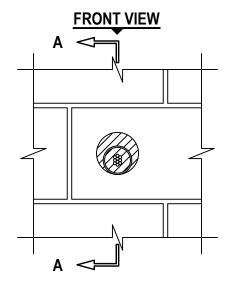
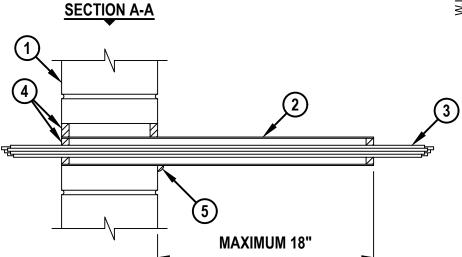
## UL/cUL SYSTEM NO. W-J-3297

# CABLE BUNDLE THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

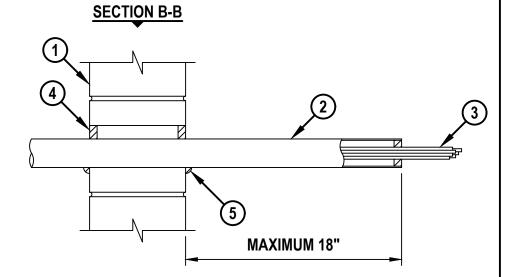
F-RATING = 2-HR. T-RATING = 0-HR.

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# FRONT VIEW B B B





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| Sheet | 1 of 3        |
|-------|---------------|
| Scale | 1/8" = 1"     |
| Date  | Feb. 04, 2025 |

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### UL/cUL SYSTEM NO. W-J-3297

# CABLE BUNDLE THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR. T-RATING = 0-HR.

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- 1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING):
  - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 6" THICK).
  - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL ASSEMBLY.
- 2. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM EMT, ALUMINUM PIPE (SCHEDULE 5 OR HEAVIER) OR ALUMINUM CONDUIT SLEEVE, FRICTION FIT OR CAST INTO WALL FLUSH WITH WALL SURFACES (SEE NOTE NO. 4 BELOW).
- 3. CABLE BUNDLE TO CONSIST OF ANY COMBINATION OF THE FOLLOWING:
  - A. MAXIMUM 7/C NO. 12 AWG POWER CABLE WITH PVC INSULATION AND OUTER JACKET.
  - B. MAXIMUM 25 PAIR NO. 24 AWG TELEPHONE CABLE WITH PVC INSULATION AND OUTER JACKET.
  - C. MAXIMUM RG/U (OR SMALLER) COAXIAL CABLE WITH POLYETHYLENE INSULATION AND PVC JACKET.
  - D. MAXIMUM RG 6/U COAXIAL CABLE WITH FLUORINATED ETHYLENE INSULATION AND JACKETING.
  - E. MULTIPLE FIBER OPTIC COMMUNICATION CABLE WITH PVC JACKET, HAVE A MAX OUTSIDE DIAM OF 5/8".
  - F. MAXIMUM FOUR PAIR NO. 22 AWG CAT 5 OR CAT 6 COMPUTER CABLES.
  - G. THROUGH PENETRATING PRODUCT MAX THREE COPPER CONNECTOR NO. 8 AWG METAL-CLAD CABLE (AFC CABLE SYSTEMS INC.).
  - H. MAXIMUM 3/C (WITH GROUND)(OR SMALLER) NO. 8 AWG COPPER CONDUCTOR CABLE WITH PVC INSULATION AND JACKETING.
  - I. MAXIMUM 3/4" DIAM COPPER GROUND CABLE WITH OR WITHOUT A PVC JACKET.
  - J. FIRE RESISTIVE CABLES MAXIMUM 1-1/4" DIAM SINGLE CONDUCTOR OR MULTI CONDUCTOR TYPE MI CABLE.
  - K. MAXIMUM 4/C WITH GROUND 300 KCMIL (OR SMALLER) ALUMINUM SER CABLE WITH PVC INSULATION AND JACKET.
  - L. MAXIMUM 3/C NO. 8 AWG METAL-CLAD CABLE.
  - L. MAXIMUM 5/8" DIAM FIBER-OPTIC CABLE WITH PVC JACKET.
  - M. ANY CABLES, METAL-CLAD OR ARMORED CABLE, CURRENTLY CLASSIFIED CLASSIFIED UNDER THE THROUGH PENETRANTS PRODUCTS CATEGORY.
- 4. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.
- 5. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT WALL/SLEEVE INTERFACE WHEN STEEL SLEEVE EXTENDS BEYOND ONE OR BOTH SIDES OF WALL.



### UL/cUL SYSTEM NO. W-J-3297

# CABLE BUNDLE THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR. T-RATING = 0-HR.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 3-1/2".

- 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-1/2".
- 3. CABLES TO FILL MAXIMUM 45% OF CROSS-SECTIONAL AREA OF OPENING.
- 4. SLEEVE MAY EXTEND UP TO 18" BEYOND WALL SURFACES. AS AN OPTION, SLEEVE MAY BE CONTINUOUS ON ONE SIDE OF WALL ASSEMBLY.
- 5. [OPTIONAL NOT SHOWN] MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED, POLYURETHANE BACKER ROD, OR POLYETHYLENE BACKER ROD MAY BE INSTALLED RECESSED TO ACCOMMODATE FIRESTOP SEALANT OR PUTTY MAY BE USED AS BACKING MATERIAL.
- 6. A MINIMUM 1/8" SEPARATION SHOULD BE MAINTAINED BETWEEN MI CABLES AND ANY OTHER TYPES OF CABLES.



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