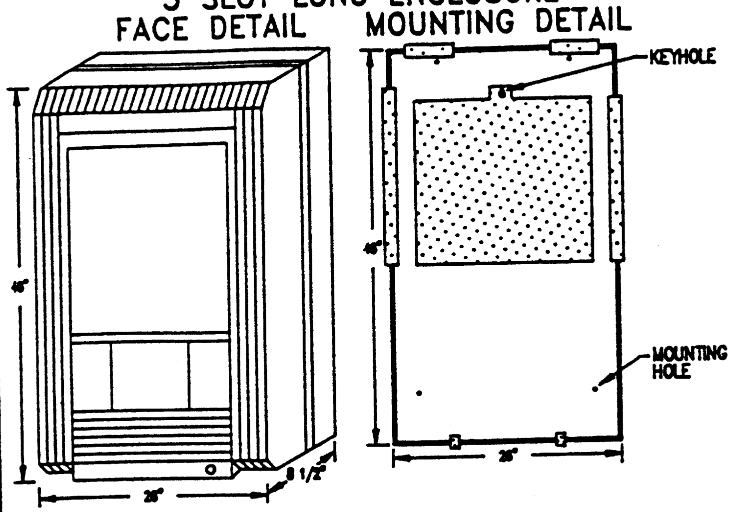
N-ENC-5SLOTL

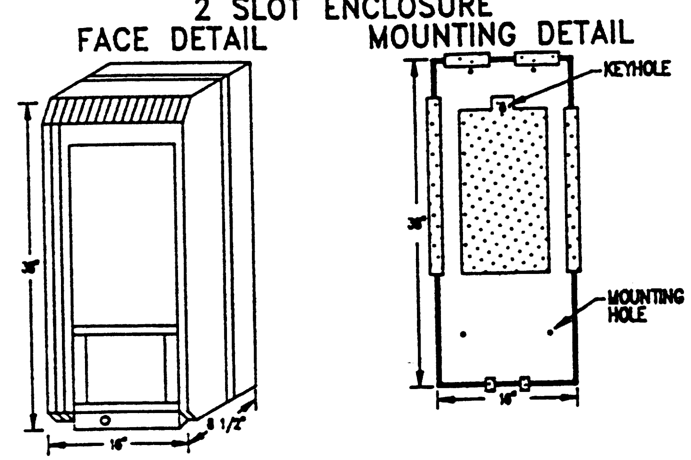
5 SLOT LONG ENCLOSURE



CAUTION:
When installing the conduit, use grounded bushings and ground jumper wires between conduit connections because the enclosure is non-metallic and does not itself provide grounding.
Avoid routing conduit through the following (as marked above):
- Hook brackets on top
- Support ribs around mounting holes
- Within 1/2 inch of the keyhole
- Into the base frame
- Into the wire ducts
- Into the three agency labels at the upper left side

N-ENC-2SLOT

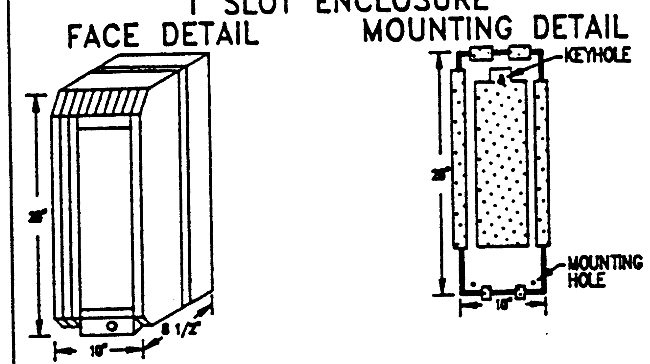
2 SLOT ENCLOSURE



CAUTION:
When installing the conduit, use grounded bushings and ground jumper wires between conduit connections because the enclosure is non-metallic and does not itself provide grounding.
Avoid routing conduit through the following (as marked above):
- Hook brackets on top
- Support ribs around mounting holes
- Within 1/2 inch of the keyhole
- Into the base frame
- Into the wire ducts
- Do not land conduits on the right side of the base frame, which necessitates looping the wires across or around the main modules
- Into the three agency labels at the upper left side

N-ENC-1SLOT

1 SLOT ENCLOSURE

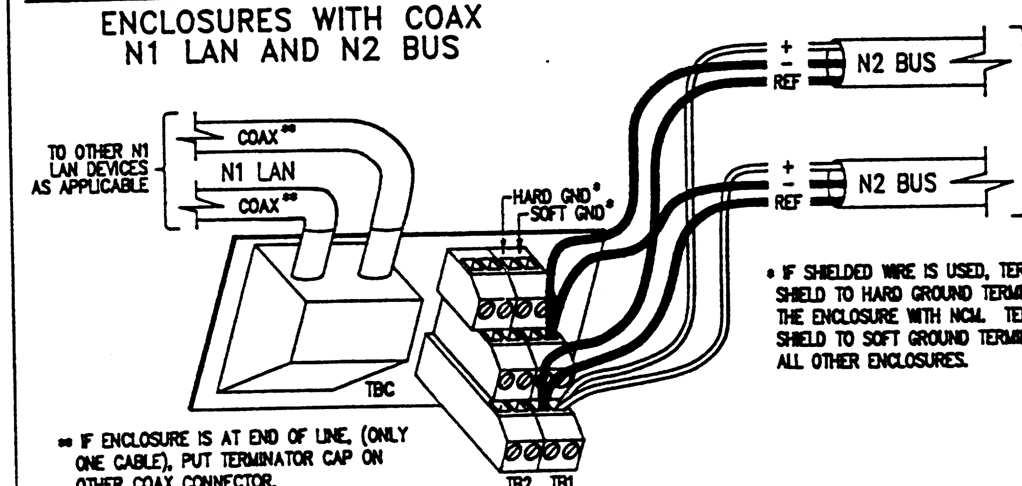


CAUTION:
When installing the conduit, use grounded bushings and ground jumper wires between conduit connections because the enclosure is non-metallic and does not itself provide grounding.
Avoid routing conduit through the following (as marked above):
- Hook brackets on top
- Support ribs around mounting holes
- Within 1/2 inch of the keyhole
- Into the base frame
- Into the wire ducts
- Do not land conduits on the right side of the base frame, which necessitates looping the wires across or around the main modules
- Into the three agency labels at the upper left side

N-ENC-COAX

COMMUNICATION BUS TERMINATION

ENCLOSURES WITH COAX
N1 LAN AND N2 BUS

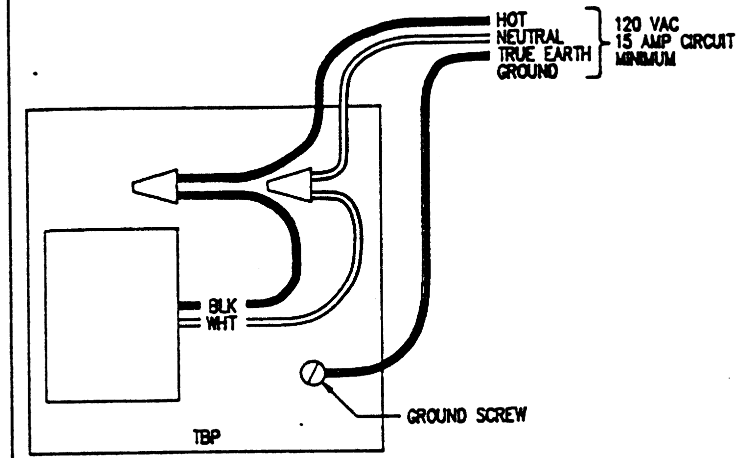


** IF ENCLOSURE IS AT END OF LINE, (ONLY ONE CABLE), PUT TERMINATOR CAP ON OTHER COAX CONNECTOR.

* IF SHIELDED WIRE IS USED, TERMINATE SHIELD TO HARD GROUND TERMINAL AT THE ENCLOSURE WITH NCM. TERMINATE SHIELD TO SOFT GROUND TERMINAL AT ALL OTHER ENCLOSURES.

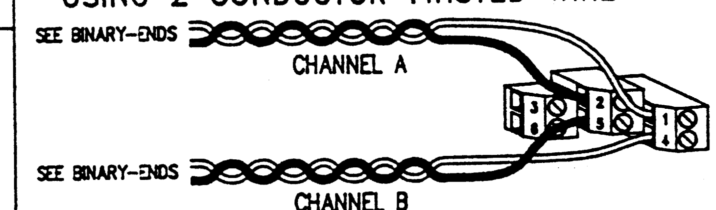
N-ENC-POWER

ENCLOSURE POWER WIRING



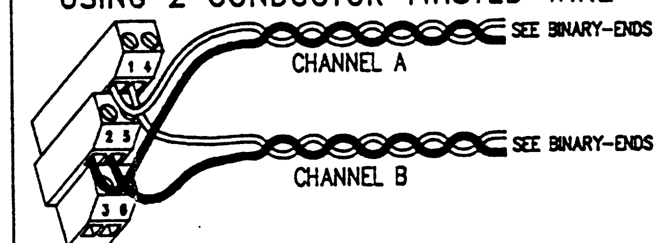
N-BIN-2TWIST-L-x

BINARY INPUT WIRED TO LEFT BAY USING 2 CONDUCTOR TWISTED WIRE



N-BIN-2TWIST-B-x

BINARY INPUT WIRED TO BELOW BAY USING 2 CONDUCTOR TWISTED WIRE



DRAWING TITLE: HVAC DETAILS #01

PROJECT: The Argonne National Lab, Advanced Photon Source Campus, 9700 Cass Avenue South, Argonne, IL 60439

JOHNSON CONTROLS, Systems & Services Division

CONTRACT NUMBER: 91390-0009

FILE: H-REF-01