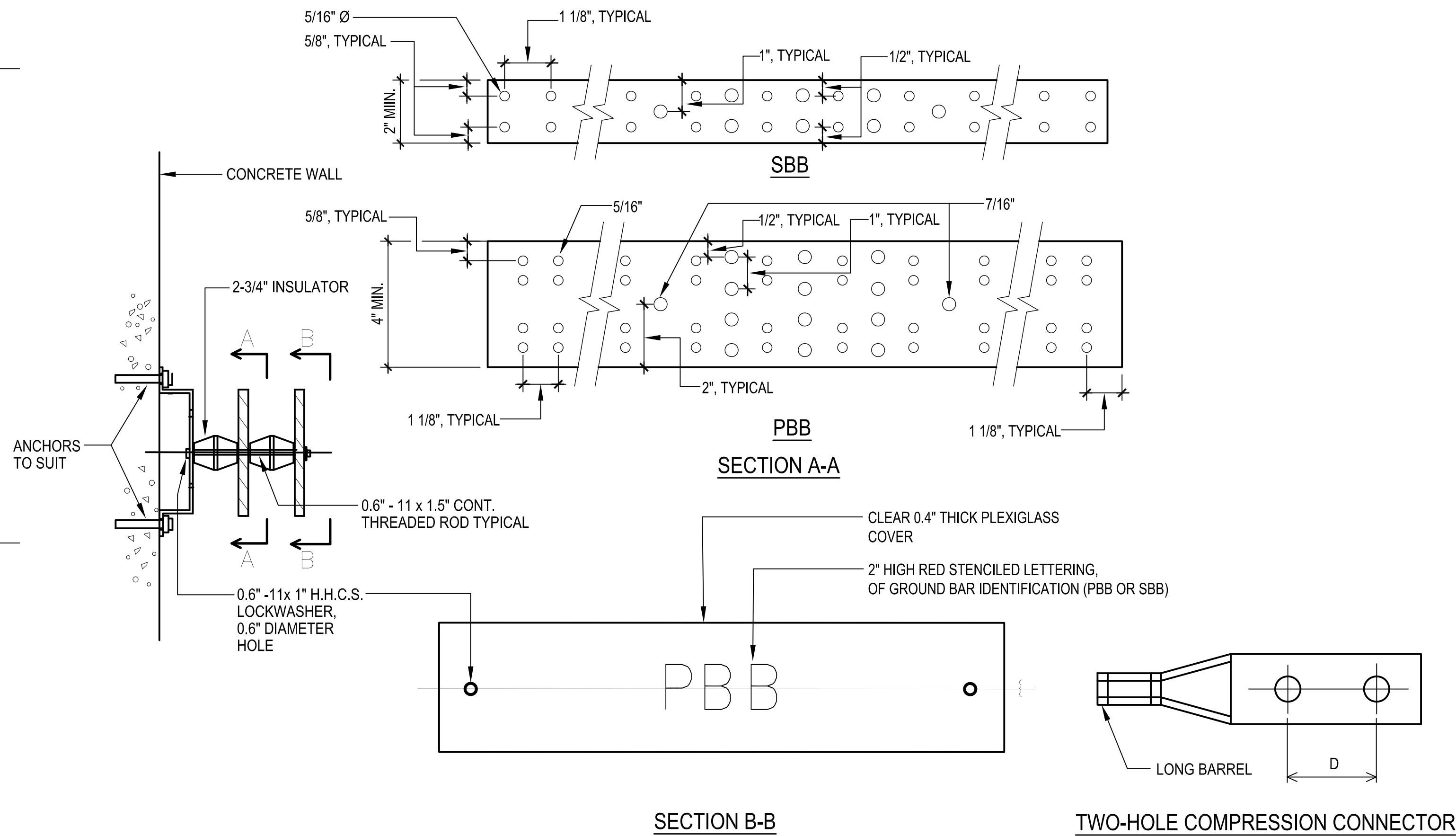


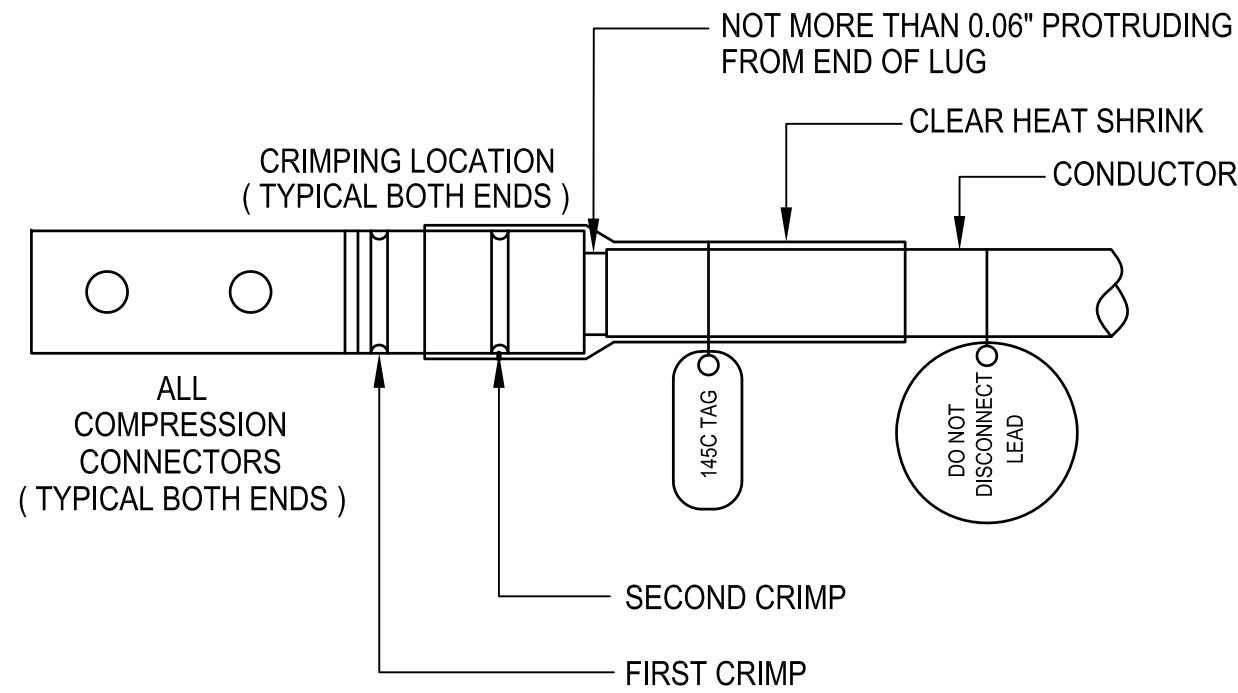
GROUND BAR LABELING SCHEDULE	
LABEL	LENGTH
PBB	24"
SBB	12"

GENERAL NOTES:

- GROUNDING CONDUCTOR LABELING: PERMANENTLY MARK BOTH ENDS OF GROUNDING CONDUCTOR RUNS. USE GREEN LAMINATED TAGS WITH WHITE LETTERING AND HOLES PUNCHED AT EACH END FOR STRAPPING TO THE CONDUCTORS. TAGS MUST BE 1" BY 3" AND SECURED TO CONDUCTOR BY PLASTIC TIE WRAPS.
- ALL GROUNDING CONDUCTOR CABLE LUGS MUST BE COMPRESSION TYPE, LONG BARREL WITH TWO-HOLE TAG, EXCEPT WHERE OTHERWISE SPECIFIED. MECHANICALLY HELD LUGS ARE NOT ACCEPTABLE. OXIDE INHIBITOR IS REQUIRED FOR ALL LUG-TO-BUS BAR CONNECTIONS.
- ALL INSTALLED BOLTS, LOCKWASHERS, NUTS, ETC. REQUIRED TO TERMINATE GROUNDING CONDUCTOR CONNECTIONS MUST BE 316 STAINLESS STEEL. ALL BOLTED CONNECTIONS MUST UTILIZE LOCKWASHERS.
- ALL MECHANICAL CONNECTIONS MUST BE TREATED WITH A PROTECTIVE, ANTI-OXIDANT COATING. ALL EXOTHERMIC CONNECTIONS TO GALVANIZED STEEL MEMBERS MUST BE SPRAYED WITH GALVANIZING PAINT.
- GROUND WIRE RUNS TO BE AS STRAIGHT AS POSSIBLE WITH NO SHARP BENDS OR LOOPS. MINIMUM BEND RADII ARE:
6" MINIMUM FOR UP TO #6 GAUGE.
1'-0" MINIMUM FOR UP TO #4/0 GAUGE.
2'-0" MINIMUM FOR SIZES GREATER THAN #4/0 GAUGE.
- ALL GROUND WIRES MUST BE CONTINUOUS WITHOUT SPLICES AND IF PLACED IN CONDUIT, CONDUIT MUST BE NONMETALLIC. EXOTHERMIC WELDS ARE NOT CONSIDERED SPLICES.
- DO NOT ENCIRCLE GROUNDING CONDUCTOR WITH METAL CLAMP.
- DO NOT RUN GROUNDING CONDUCTOR THRU METAL WALLS, PLATES, AND IN METAL CONDUITS.
- EACH GROUNDING CONDUCTOR MOUNTED WITHIN 6'-0" FROM THE FLOOR MUST BE PROTECTED WITH 3/4"Ø PVC CONDUIT MINIMUM INDIVIDUALLY.
- ALL METALLIC COMPONENTS MUST HAVE THE PAINT SCRATCHED OFF IN LOCATIONS WHERE ANTI-OXIDANT COATING IS APPLIED AND BONDING CONDUCTORS ARE INSTALLED.
- PROVIDE THREADED BOLTS, WASHERS AND NUTS IN EACH UNUSED HOLE OF GROUND BAR (FOR FUTURE GROUND CONNECTIONS).



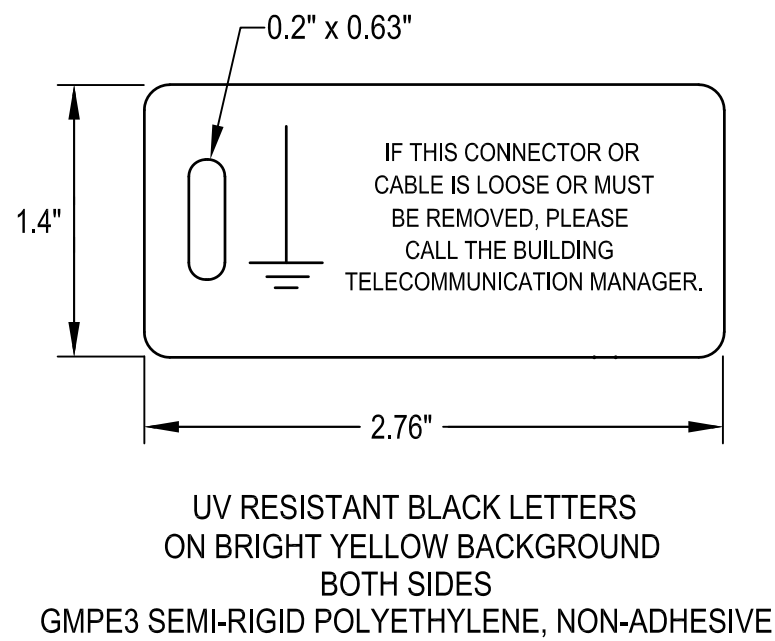
1 GROUND BAR DETAIL
NOT TO SCALE



GENERAL NOTE:

- TAGGING CABLE IS REQUIRED AT BOTH ENDS OF CABLE.

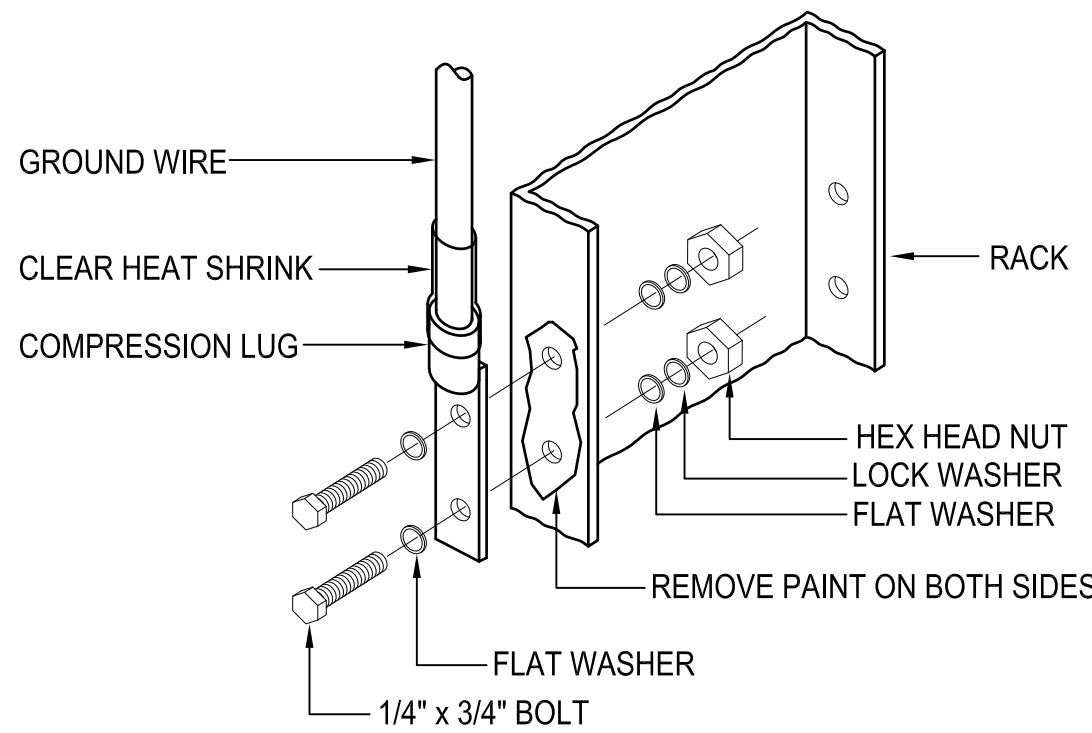
2 CRIMPING AND TAGGING DETAIL
NOT TO SCALE



GENERAL NOTE:

- EACH TELECOMMUNICATIONS GROUNDING AND BONDING CONDUCTOR MUST BE LABELED. LABELS MUST BE LOCATED ON CONDUCTORS AS CLOSE AS POSSIBLE TO THEIR POINT OF TERMINATION IN A READABLE POSITION. LABELS MUST BE NONMETALLIC AND INCLUDE THE INFORMATION DEPICTED ABOVE.

3 GROUND WARNING TAG
NOT TO SCALE



4 RACK GROUNDING
NOT TO SCALE

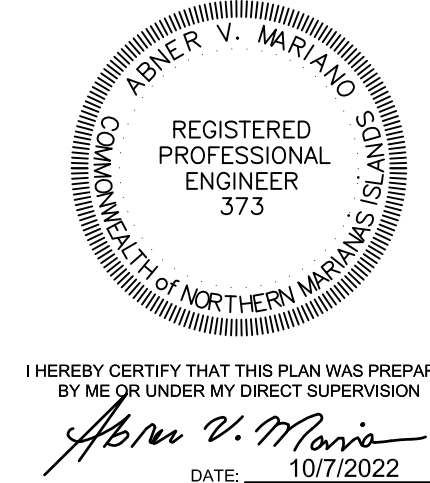
IF SHEET IS LESS THAN 24" X 36"
REDUCED PRINT - USE GRAPHIC SCALES

REVISIONS		
No.	Description	Date

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Project:

NMC
PACKAGE 1: STUDENT
CENTER BUILDING

Title:

TELECOMMUNICATIONS
DETAILS - SHEET 4

CONSTRUCTION
DOCUMENTS

Designed:

JF/LB

Drawn:

NP/RS

Checked:

IA/AM

Supv:

AM

Scale:

AS INDICATED

Date:

10/07/2022

Project
No.

File

Drawing
No.

T6.4

Sheet No. _____ of _____