



1 TELECOMMUNICATIONS GROUNDING DIAGRAM  
NOT TO SCALE

- GENERAL NOTES:
- 1 THIS DRAWING REPRESENTS A DIAGRAMMATIC OVERVIEW OF THE TELECOMMUNICATIONS GROUNDING AND BOUNDING INFRASTRUCTURE. REFER TO FLOOR PLANS FOR ESTIMATING BACKBONE CONDUCTOR LENGTHS AND ROOM DETAILS FOR COMPONENT PLACEMENT. SUBMIT DETAILED SHOP DRAWING TO CONTRACTING OFFICER FOR REVIEW AND APPROVAL.
  - 2 BOND ALL RACKS, PATHWAYS, AND EQUIPMENT TO GROUND PER TIA-607 AND NEC.
  - 3 GROUNDING CONDUCTOR MUST BE INSTALLED IN NON-FERROUS CONDUIT.
  - 4 PROVIDE BONDING CONDUCTOR IN EACH SECTION OF CABLE TRAY IN ACCORDANCE TO TIA-607-D AND AS PER MANUFACTURER'S RECOMMENDATION.
  - 5 PROVIDE #2 AWG BARE COPPER WIRE THROUGHOUT THE CABLE TRAY SYSTEM, AND BOND TO EACH SECTION.
  - 6 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. REFER TO TIA-606 FOR ADDITIONAL LABELING REQUIREMENTS.

- NOTES:
- 1 BONDING CONDUCTOR TO ELECTRICAL IBT.
  - 2 BOND CABLES TO EQUIPMENT AND PATHWAYS, #6 AWG MINIMUM. SIZE GROUND CONDUCTORS PER ANSI/TIA-607-D.
  - 3 BOND TO TELECOM ROOM PANELBOARD GROUND.



Project:	
NMC	
PACKAGE 1: STUDENT CENTER BUILDING	
Title:	
TELECOMMUNICATIONS GROUNDING DIAGRAM	
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.	T2.8