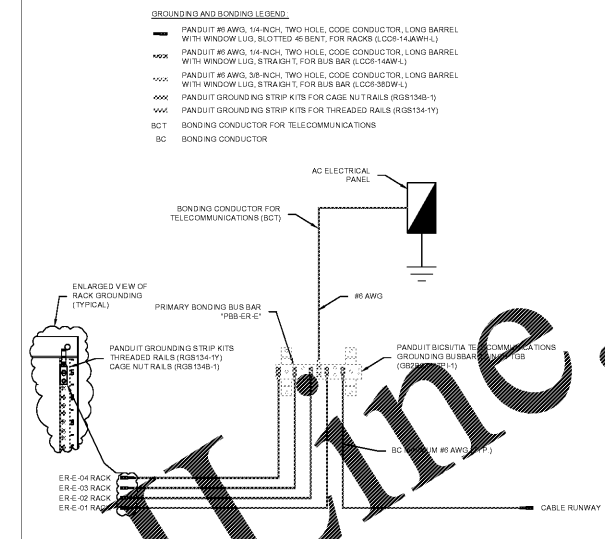


1 ER-E PLAN VIEW
SCALE: NTS

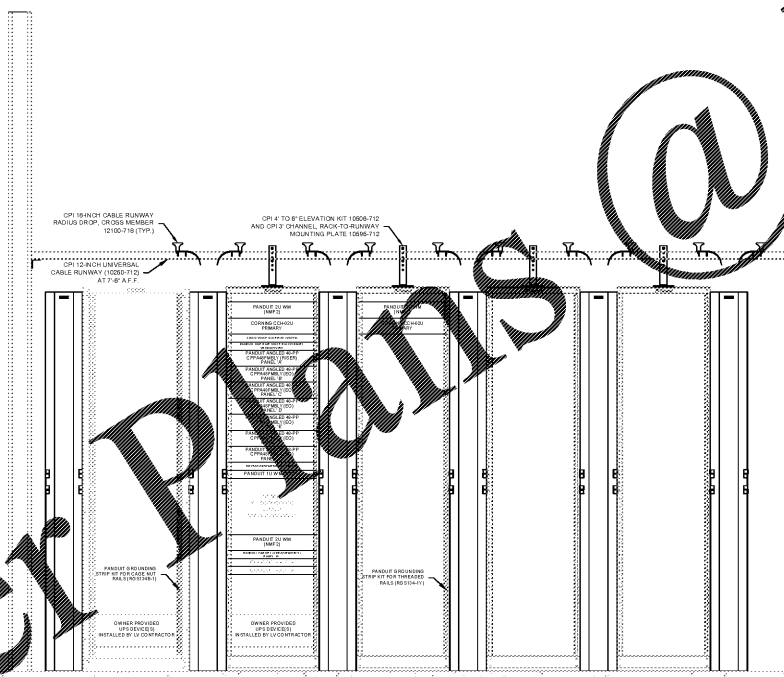


SHEET NOTES

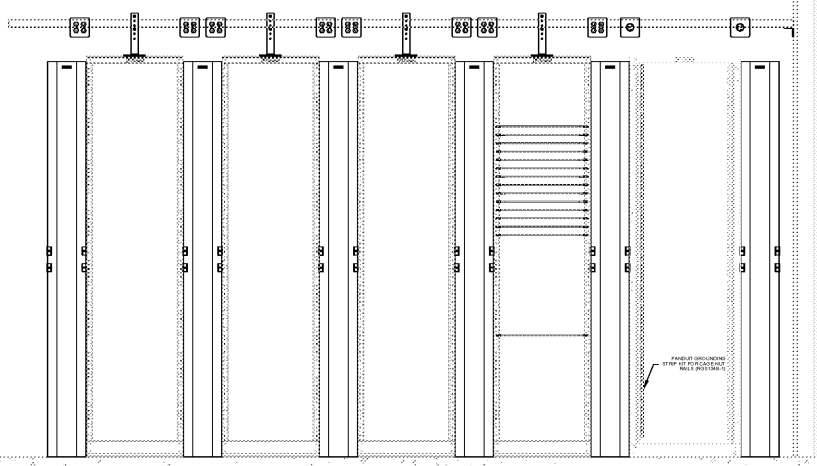
1. PROVIDE AND INSTALL CFI 12 INCH CABLE RUNWAY (10269-712) AND COMPONENTS PER MANUFACTURER'S INSTALLATION GUIDELINES.
2. PROVIDE AND INSTALL PANDUIT 4 POST AND 2 POST RACKS AS SHOWN VERTICALLY AND HORIZONTALLY WITH WIRE MANAGERS AS SHOWN.
3. REFER TO THE BONDING AND GROUNDING SCHEMATIC FOR DETAILS ON RACK AND CABLE RUNWAY GROUNDING REQUIREMENTS.
4. PROVIDE AND INSTALL PANDUIT PATCH PANELS TO TERMINATE THE RIBER AND HORN CABLES SERVING ZONE ERE. ALL PANDUIT PATCH PANELS SHALL BE PANDUIT 8 TRIM RELIEF BARS (8898-71), OR THE EQUIVALENT, FOR CABLE SUPPORT, MANAGEMENT AND PROTECTION. PROVIDE RADIUS PROTECTION.
5. PROVIDE AND INSTALL THE REQUIRED QUANTITY, LENGTH AND COLOR OF PATCH CORDS AND FIBER OPTIC CORDS AS SHOWN ON THE DRAWING.
6. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING: THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL POWER DISTRIBUTION REQUIREMENTS IN THE EQUIPMENT ROOM. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE FOLLOWING: THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE "PRIMARY BONDING BUS BAR (PBB)" WITH EQUIPMENT ROOM AS SHOWN IN ABOVE DETAIL AND ASSOCIATED DRAWING SET.
7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE "BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT)" TO THE PBB. THE BCT SHALL BE A MINIMUM #8 AWG COPPER CABLE WITH A "GREEN" INSULATING JACKET. THE BCT SHALL BE INSTALLED FROM THE NEAREST AC PANEL BOARD TO THE PBB. THE BCT SHALL BE MADE WITH TWO-HOLE COMPRESSION LUGS PLACED AT THE CENTERMOST LOCATION OF THE PBB. THE TWO-HOLE COMPRESSION LUGS SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
8. THE CABLE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE HOME RUN "BONDING CONDUCTOR" (BC) FROM EACH RACK TO THE PBB. THE BC SHALL BE A MINIMUM #8 AWG COPPER CABLE WITH A "GREEN" INSULATING JACKET. A PANDUIT GROUNDING STRIP KIT SHALL BE INSTALLED ON THE REAR END OF THE RACK END OF THE BC. THE BC SHALL BE MADE WITH TWO-HOLE COMPRESSION LUGS. BONDING OF THE PBB END SHALL BE MADE WITH TWO-HOLE COMPRESSION LUGS. ALL COMPONENTS SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
9. THE CABLE CONTRACTOR SHALL BOND TOGETHER THE ENTIRE CFI OVERHEAD CABLE RUNWAY SYSTEM WITHIN THE EQUIPMENT ROOM WITH BONDING JUMPERS AT ALL OPEN JOINTS TO ENSURE THE ENTIRE SYSTEM IS PROPERLY BONDING. ALL BONDING JUMPERS SHALL BE CFI "CABLE RUNWAY GROUND STRAP KITS" (40764-01) OR EQUIVALENT. AT ALL BONDING LOCATIONS, THE PAINT SHALL BE REMOVED AND THE APPROPRIATE ANTIOXIDANT JOINT COMPOUND APPLIED. ALL BONDING OF THE OVERHEAD CABLE RUNWAY SYSTEM SHALL BE MADE WITH A MINIMUM #8 AWG COPPER CABLE WITH A "GREEN" INSULATING JACKET AND TWO-HOLE COMPRESSION LUGS THAT ARE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
10. THE CABLE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE HOME RUN "BONDING CONDUCTOR" (BC) FROM THE PBB TO THE CFI OVERHEAD CABLE RUNWAY SYSTEM WITHIN THE EQUIPMENT ROOM. THE BC SHALL BE A MINIMUM #8 AWG COPPER CABLE WITH A "GREEN" INSULATING JACKET. THE BC SHALL BE "HOME RUN" FROM THE OVERHEAD CABLE RUNWAY SYSTEM TO THE PBB. AT THE BONDING LOCATION ON THE OVERHEAD CABLE RUNWAY SYSTEM, THE PAINT SHALL BE REMOVED AND THE APPROPRIATE ANTIOXIDANT JOINT COMPOUND APPLIED. BONDING OF BOTH ENDS OF THE BC SHALL BE MADE WITH TWO-HOLE COMPRESSION LUGS THAT ARE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

2 SHEET NOTES
SCALE: NTS

3 GROUNDING & BONDING
SCALE: NTS



4 ER-E RACK ELEVATION (FRONT)
SCALE: NTS



5 ER-E RACK ELEVATION (REAR)
SCALE: NTS

NEW STORE IFB
R-529
MECHANICSVILLE TURNPIKE
MECHANICSVILLE, VA

DATE	10/14/2016
PROJECT	NEW STORE IFB
CLIENT	AT&T
DESIGNER	J. B. BROWN
CHECKER	J. B. BROWN
SCALE	AS SHOWN
TOTAL	123,590 SF
ER-E BUILD OUT	
R-529	
T4.1	



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