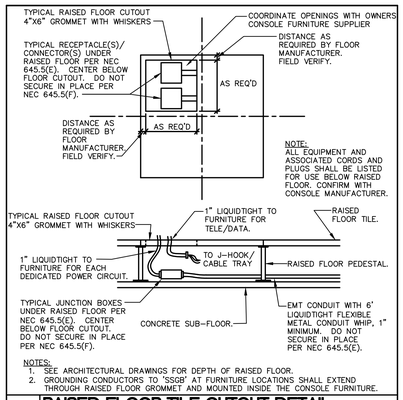
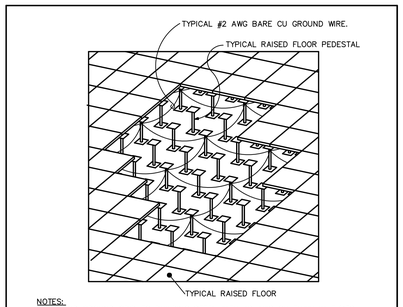
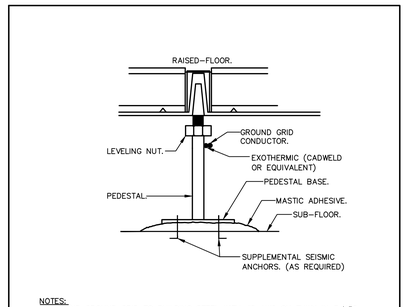


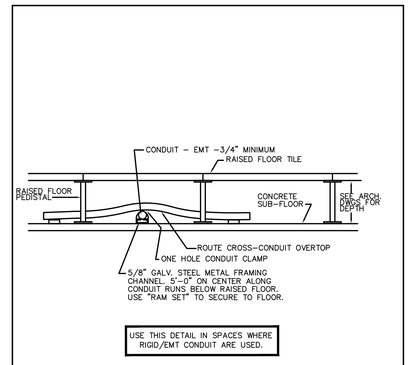
1 RAISED FLOOR TILE CUTOUT DETAIL
NO SCALE



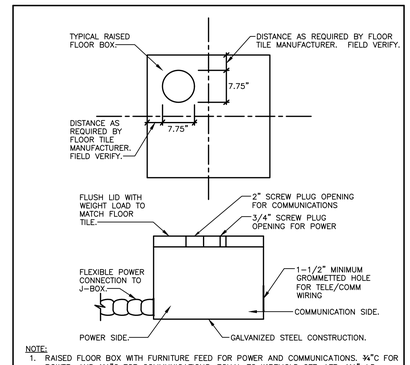
2 RAISED FLOOR GROUND GRID
NO SCALE



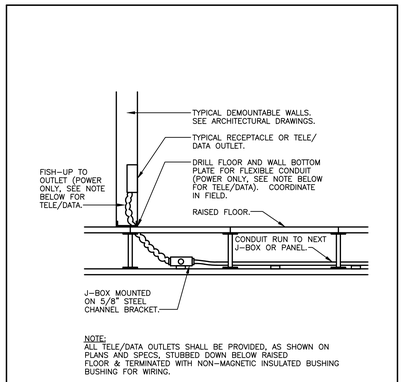
3 RAISED FLOOR PEDESTAL GROUND CONN.
NO SCALE



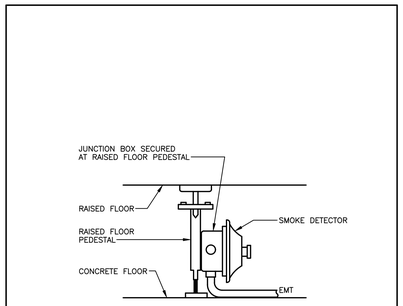
4 CONDUIT MOUNTING DETAIL BELOW RAISED FLOOR
NO SCALE



5 RAISED FLOOR BOX DETAIL
NO SCALE



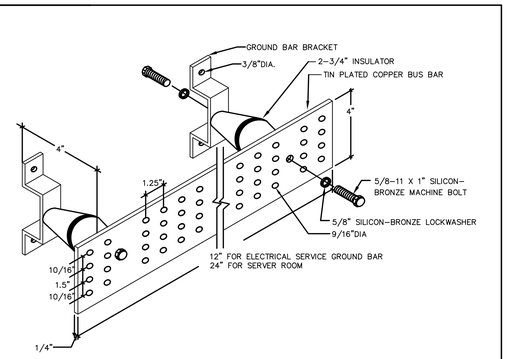
6 TYPICAL WALL RECEPTACLE DETAIL
NO SCALE



7 RAISED FLOOR SMOKE DETECTOR
NO SCALE

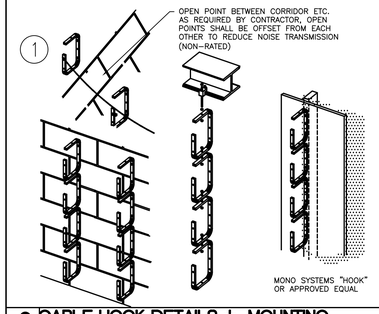
NOTES:

1. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH MOTOROLA R56 STANDARDS
2. ALL DIMENSIONING INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. ALL GRD ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITHIN A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THROUGH THE BUSHING LUG PRIOR TO TERMINATION. GROUND CONDUCTORS SHALL NOT MAKE A LOOP TO BOND THE CONDUIT. THE BONDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED OR PARALLEL IRREVERSIBLY CRIMPED UNTO THE GROUND CONDUTOR UPON EXITING THE CONDUIT.
4. LENGTH OF BUS BAR SHALL BE AS REQUIRED BY NUMBER OF CONDUCTOR CONNECTIONS PLUS 25% SPARE CAPACITY SPACE OR AS SPECIFIED OTHERWISE.
5. BUS BARS OVER 24" IN LENGTH REQUIRE AT LEAST ONE ADDITIONAL 2-3/4" INSULATOR SUPPORT OR AS SPECIFIED. BUS BARS OVER 6" WIDE OR MORE REQUIRE INSULATORS AT ALL FOUR CORNERS OR AS REQUIRED.
6. ANTIOXIDANT OINTMENT SHOULD BE APPLIED TO ALL CONNECTIONS.

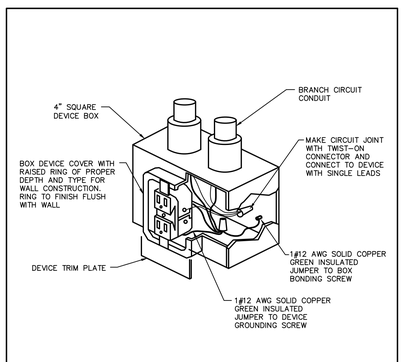


8 GROUNDING BAR DETAIL
NO SCALE

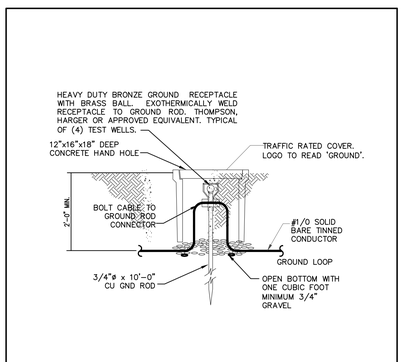
NOTES:
1. J-HOOK SHALL SUPPORT BOTH POINTS (ENTRY AND EXIT) CABLING SHALL NOT BE IN CONTACT WITH CORRIDOR MATERIAL (GYP OR MASONRY) FOR NON CABLE LOCATIONS ONLY.
2. ELECTRICAL CONTRACTOR TO SUPPLY AND MOUNT ALL VOICE/DATA/SECURITY/CCTV SUPPORT HOOKS AND OR CABLE TRAY. EC IS RESPONSIBLE FOR PROVIDING SLEEVES THROUGH WALLS FOR VOICE/DATA/SECURITY/CCTV CABLING WHERE NECESSARY. FIRE STOPPING IS BY E.C. E.C. IS TO INSTALL SUPPORTS PER SPECIFICATIONS.



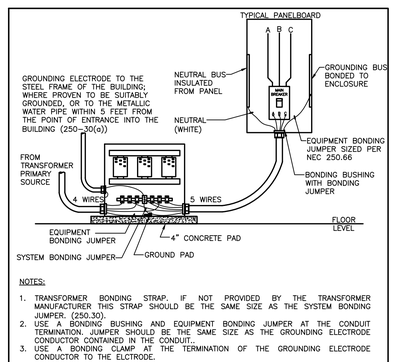
9 CABLE HOOK DETAILS + MOUNTING
NO SCALE



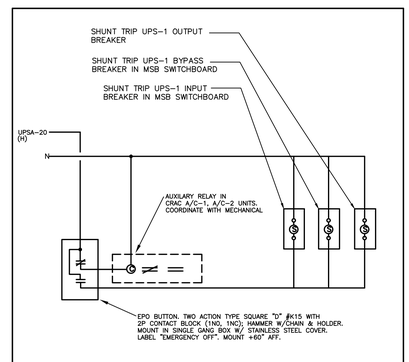
10 RECEPTACLE GROUNDING DETAIL
NO SCALE



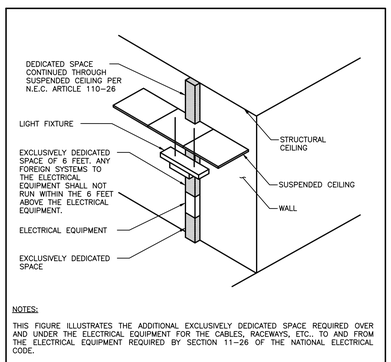
11 GROUND TEST WELL DIAGRAM
NO SCALE



12 DRY-TYPE TRANSFORMER GROUNDING DIAGRAM
NO SCALE



13 EPO WIRING DETAIL
NO SCALE



14 DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
NO SCALE

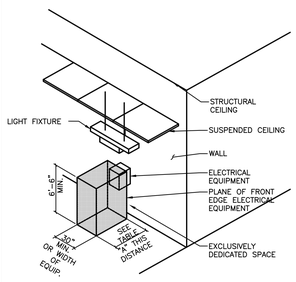


TABLE A - WORKING CLEARANCES			
VOLTAGE TO GROUND NOMINAL	MINIMUM CLEAR DISTANCE (FEET)		
CONDITION:	1	2	3
0 – 150	3	3	3
151 – 600	3	3 1/2	4

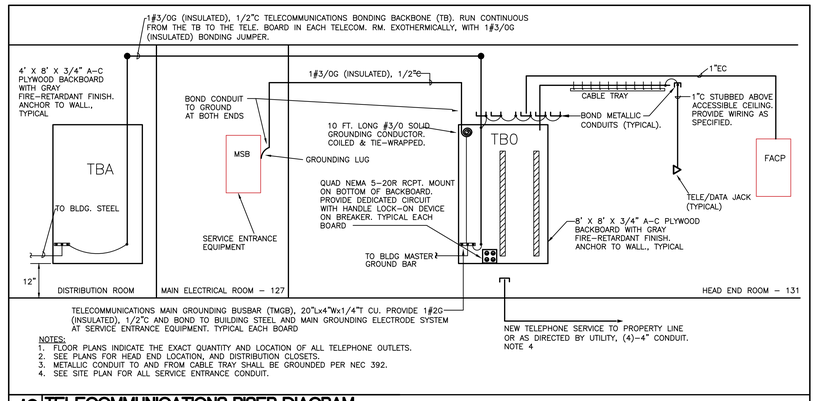
WHERE THE "CONDITIONS" ARE AS FOLLOWS:

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300V SHALL NOT BE CONSIDERED LIVE PARTS.
2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.
3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NOTES:

THIS FIGURE ILLUSTRATES THE WORKING SPACE IN FRONT OF THE ELECTRICAL EQUIPMENT REQUIRED BY SECTION 110-26 OF THE NATIONAL ELECTRICAL CODE.

15 WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT
NO SCALE



16 TELECOMMUNICATIONS RISER DIAGRAM
NO SCALE

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CLINTON, NORTH CAROLINA

CONSTRUCTION DOCUMENTS

ELECTRICAL DETAILS

DATE 12.04.2020
PROJECT NO 20003
REVISIONS
NUM. DATE DESCRIPTION:

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SEAL
NORTH CAROLINA PROFESSIONAL SEAL 028297 ENGINEER BRANDON L. MILLER
12/04/2020

SHEET NUMBER E603