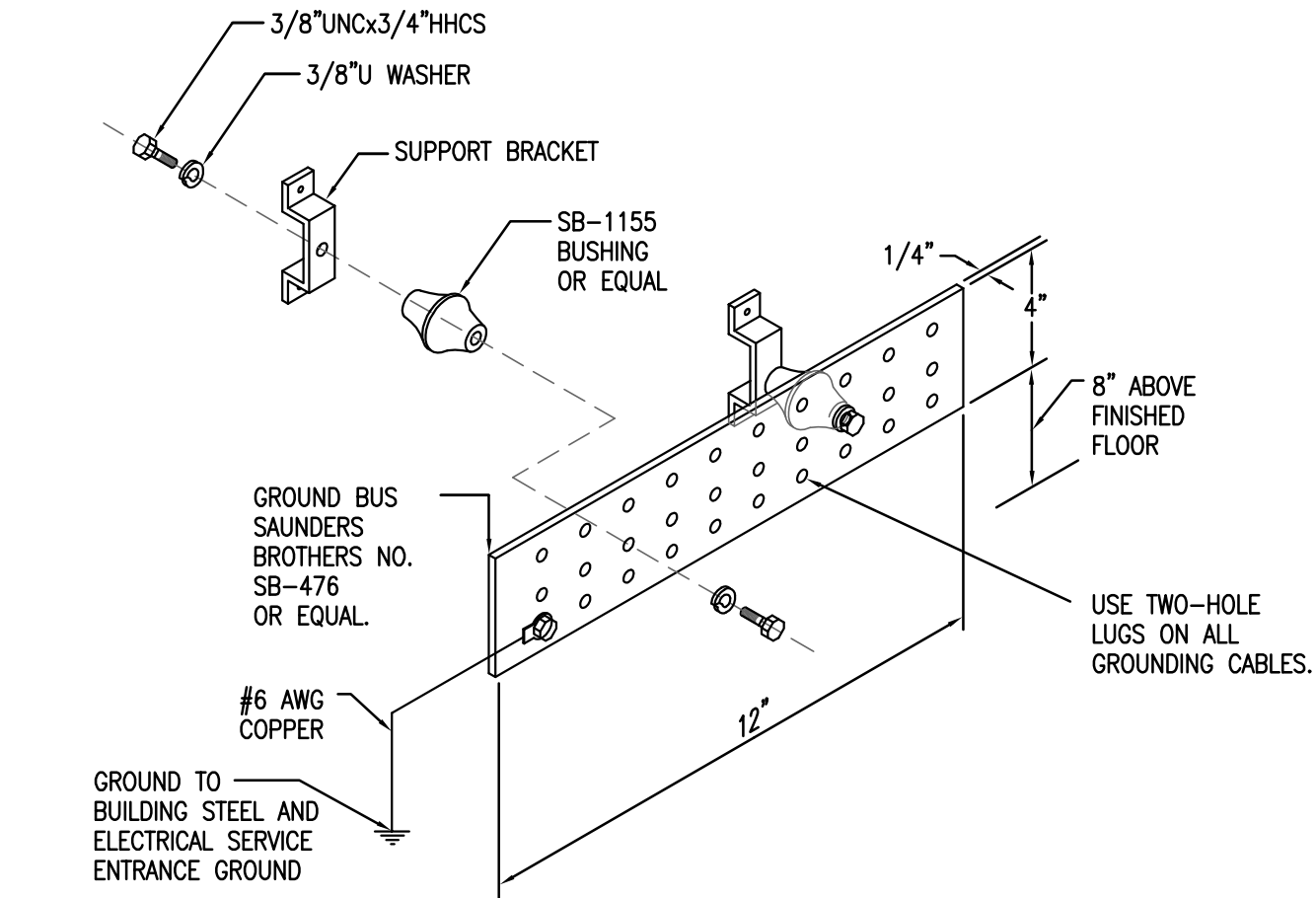


SYMBOLS SCHEDULE	
SYMBOL	DESCRIPTION
	BRANCH CIRCUIT IN CONDUIT - (LEFT TO RIGHT) SWITCH LEG, PHASE LEG, NEUTRAL, ISOLATED GROUND, AND EQUIPMENT GROUND.
	ARROWHEAD INDICATES BRANCH CIRCUIT HOMERUN - PNL AND CKT NO. SHOWN COMMAS IN "1,3,5" INDICATES 1, 3 AND 5 ARE INDIVIDUAL 1-PHASE CIRCUITS.
	INDICATES CONDUIT CONCEALED IN OR BELOW FLOOR SLAB OR BFG.
	CONDUIT UP (FULL CIRCLE).
	CONDUIT DOWN (PARTIAL CIRCLE).
	CONDUIT SLEEVE THRU WALL. CONDUIT BUSHING FOR EXITING CABLES.
	CONDUIT OR CIRCUIT CONTINUATION.
	LIGHT FIXTURE. UPPER CASE LETTER(S) INDICATE FIXTURE TYPE-SEE FIXTURE SCHEDULE. LOWER CASE LETTER (IF PRESENT) INDICATES SWITCHING SCHEME. REFER TO SWITCH WITH SAME LOWER CASE LETTER.
	EMERGENCY LIGHT FIXTURE. EMERGENCY DESIGNATION IS INDICATED BY DIAGONAL SHADING OR MAY BE INDICATED BY "EM" ADJACENT TO FIXTURE. CONNECTED TO EMERGENCY POWER SYSTEMS.
	STRIP LIGHT - CEILING MOUNTED OR CHAIN HUNG
	STRIP LIGHT - WALL MOUNTED
	LIGHT FIXTURE - WALL MOUNTED
	DOWNLIGHT FIXTURES - CEILING MTD
	LIGHT FIXTURE - WALL MOUNTED
	EXIT LIGHTS - WALL MT. & CEILING MT. SHOWN - ARROW INDICATES FACE(S), DIRECTIONAL ARROWS SHALL BE AS SHOWN ON PLANS
	JUNCTION BOX
	DISCONNECT SWITCH
	SURFACE MOUNTED PANELBOARD SHOWN ADJACENT TO ARCHITECTURAL WALL
S	SINGLE-POLE LIGHT SWITCH, ROCKER AND TOGGLE
S ₃	THREE-WAY LIGHT SWITCH, ROCKER AND TOGGLE
S ₄	FOUR-WAY LIGHT SWITCH, ROCKER AND TOGGLE
S ₀	DIMMER CONTROL SWITCH OR STATION
S ₄	30A MANUAL MOTOR STARTER WITH OVERLOADS, TOGGLE OPERATED
	DUPLEX RECEPTACLE
	QUADRAPLEX RECEPTACLE (4-PLEX).
	SPECIAL DUPLEX RECEPTACLE GROUND FAULT INTERRUPTING, SURGE PROTECTION, WEATHERPROOF, TAMPER PROOF AND ABOVE COUNTER TYPES INDICATED.
	SPECIAL PURPOSE RECEPTACLE
	COMPUTER DATA OUTLET, PHONE OUTLET, COMBINATION DATA, TELEPHONE OUTLET NUMBER INDICATES QUANTITY OF JACKS
	CAMERA LOCATION. COORDINATE DATA JACK OR MOD PLUG WITH CAMERA TO BE INSTALLED. WP WHEN INSTALLED EXTERIOR.
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
EC	ELECTRICAL CONTRACTOR
ETR	EXISTING TO REMAIN
GFI	GROUND FAULT INTERRUPTING
GRD	GROUND
MTD	MOUNTED
NFDS	NON-FUSED DISCONNECT SWITCH
WP	WEATHERPROOF
	OCCUPANCY SENSOR, CEILING
S ₀	OCCUPANCY SENSOR, WALL
	TV OUTLET BOX. FLUSH. ONE DUPLEX RECEPTACLE, ONE CAT6 OUTLET AND ONE RG-6 COAXIAL F-TYPE CONNECTOR.

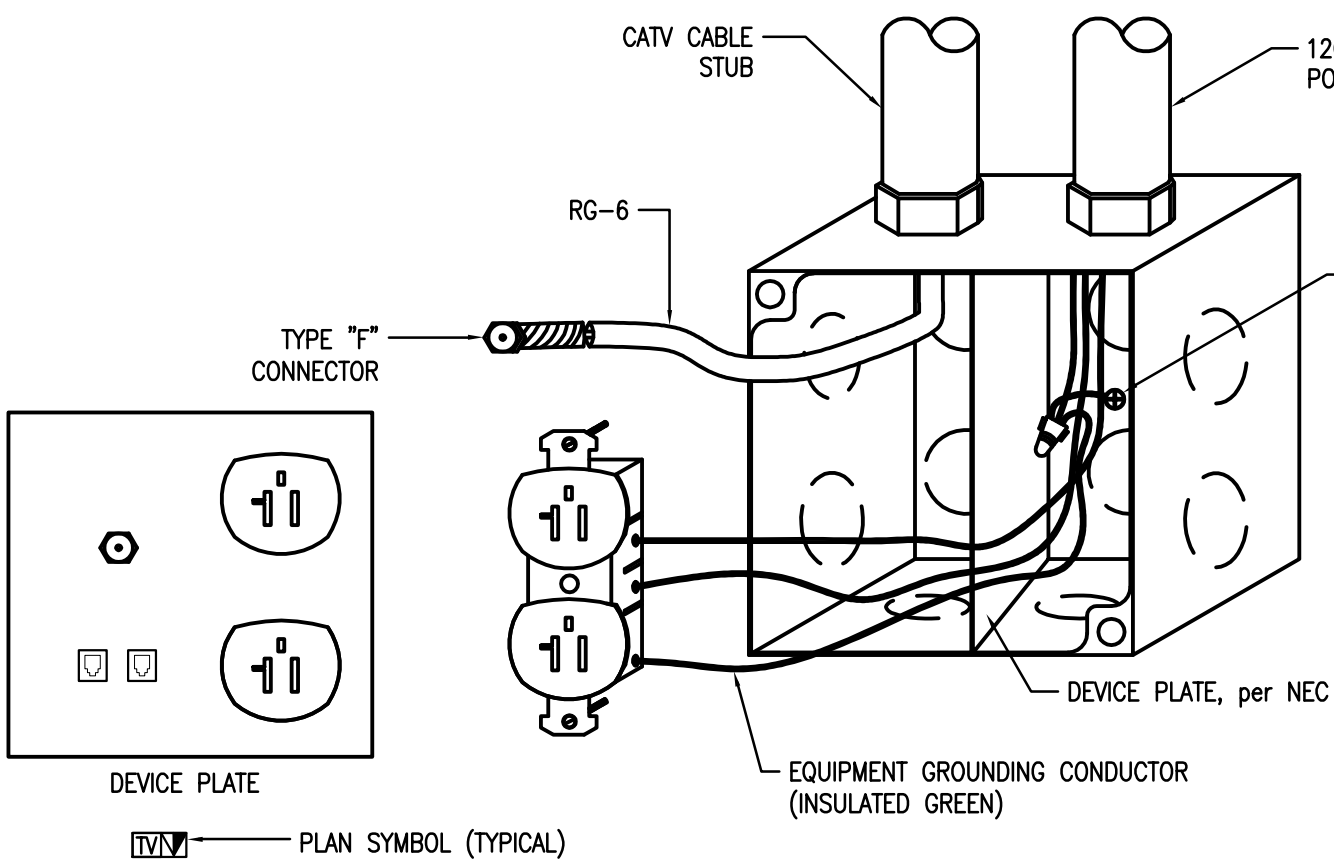
SYMBOLS SCHEDULE NOTES:
1. NOT ALL SYMBOLS MAY APPLY TO THIS PROJECT.
2. SYMBOLS SHOWN DASHED ON PLANS INDICATES EXISTING DEVICES, FIXTURES, EQUIPMENT, ETC...

GENERAL NOTES (ALL ELECTRICAL SHEETS)

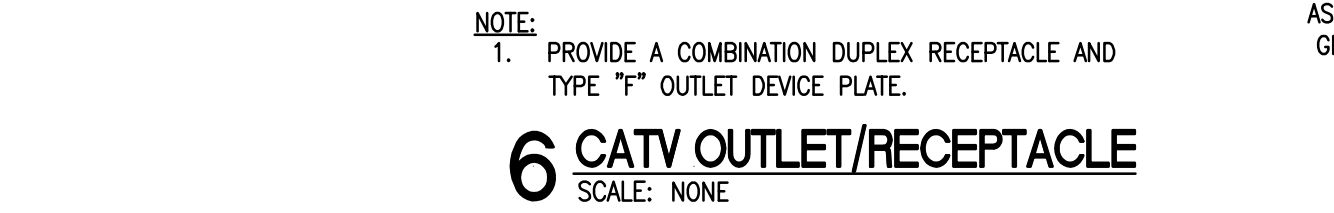
- EACH CIRCUIT SHALL HAVE AN EQUIPMENT GROUNDING CONDUCTOR, AND MULTI-WIRE CIRCUITS OF DIFFERENT PHASES MAY SHARE EQUIPMENT GROUND. EQUIPMENT GROUND CONDUCTOR SIZE SHALL NOT BE LESS THAN #12 AWG OR AS INDICATED ON THE DRAWINGS.
- ALL CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER AND ALL CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER USING BOLTED LUGS AT TERMINALS.
- MINIMUM CONDUIT SIZE SHALL BE 3/4" UNLESS OTHERWISE NOTED ON DRAWINGS. ALL CONDUITS SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- MINIMUM WIRE SIZE SHALL BE #12 AWG UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL WORK SHALL COMPLY WITH THE LATEST (2020) EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70 NEC) AND ANY APPLICABLE LOCAL CODES.
- ALL ELECTRICAL EQUIPMENT (CONDUIT, BOXES, SUPPORTS, ETC) INSTALLED IN ALL EXPOSED CEILING AREAS SHALL BE PAINTED AS DIRECTED BY THE ARCHITECT.
- ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH MECHANICAL AND PLUMBING CONTRACTORS FOR EXACT LOCATION OF ALL HVAC AND PLUMBING EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED UPON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.
- ALL 15A AND 20A, 115V AND 250V NON-LOCKING RECEPTACLES SHALL BE TAMPER-PROOF TYPE.



3 DATA RACK AND TELEPHONE BOARD GROUNDING BAR
SCALE: NONE

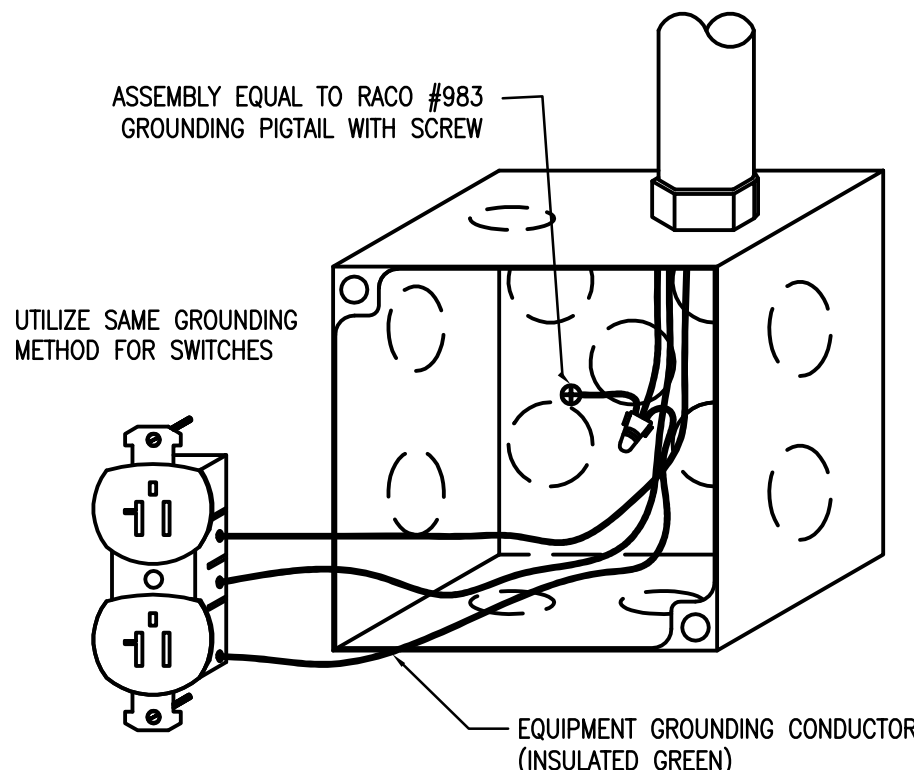


4 SERVICE GROUND DETAIL
SCALE: NONE

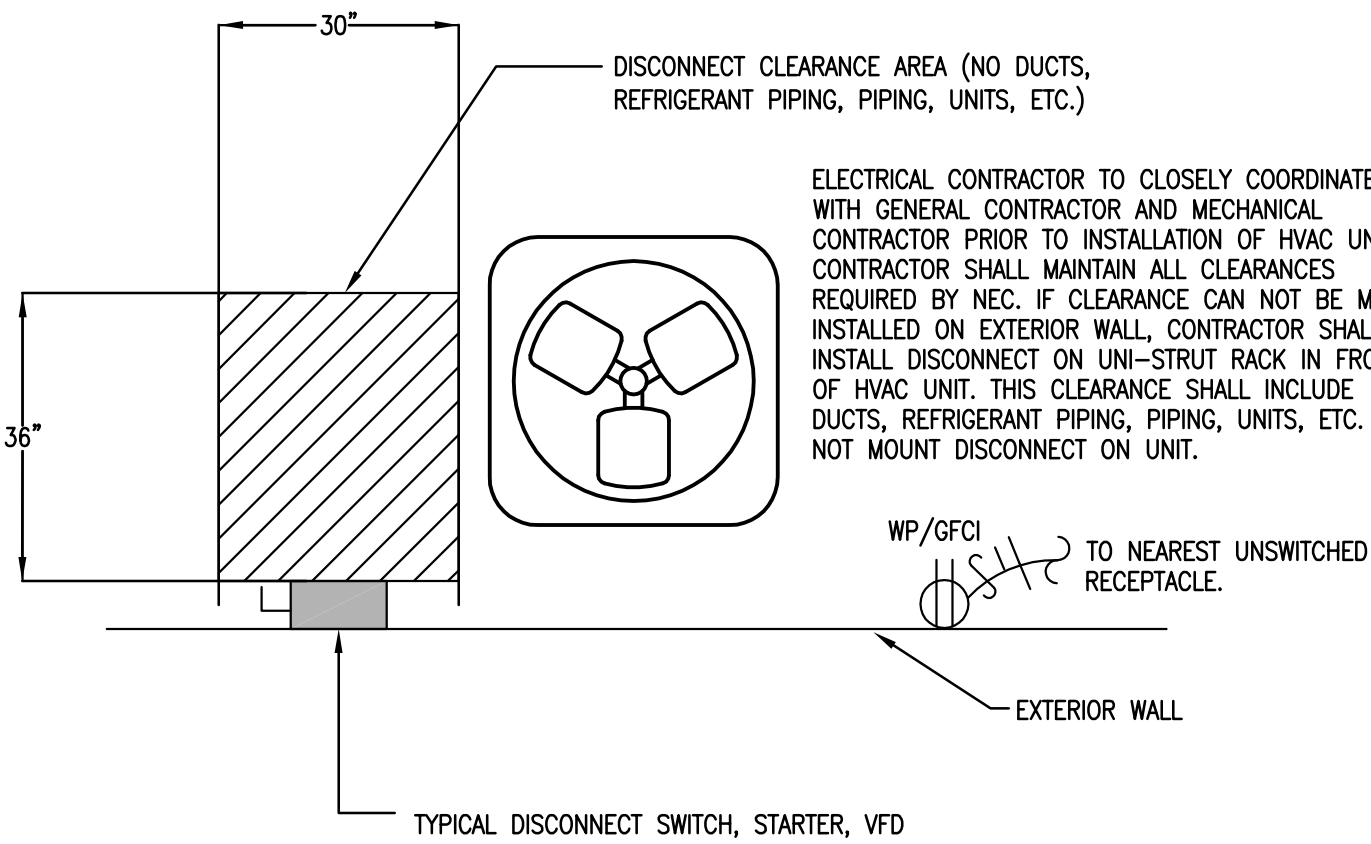


NOTE:
1. PROVIDE A COMBINATION DUPLEX RECEPTACLE AND TYPE 'F' OUTLET DEVICE PLATE.

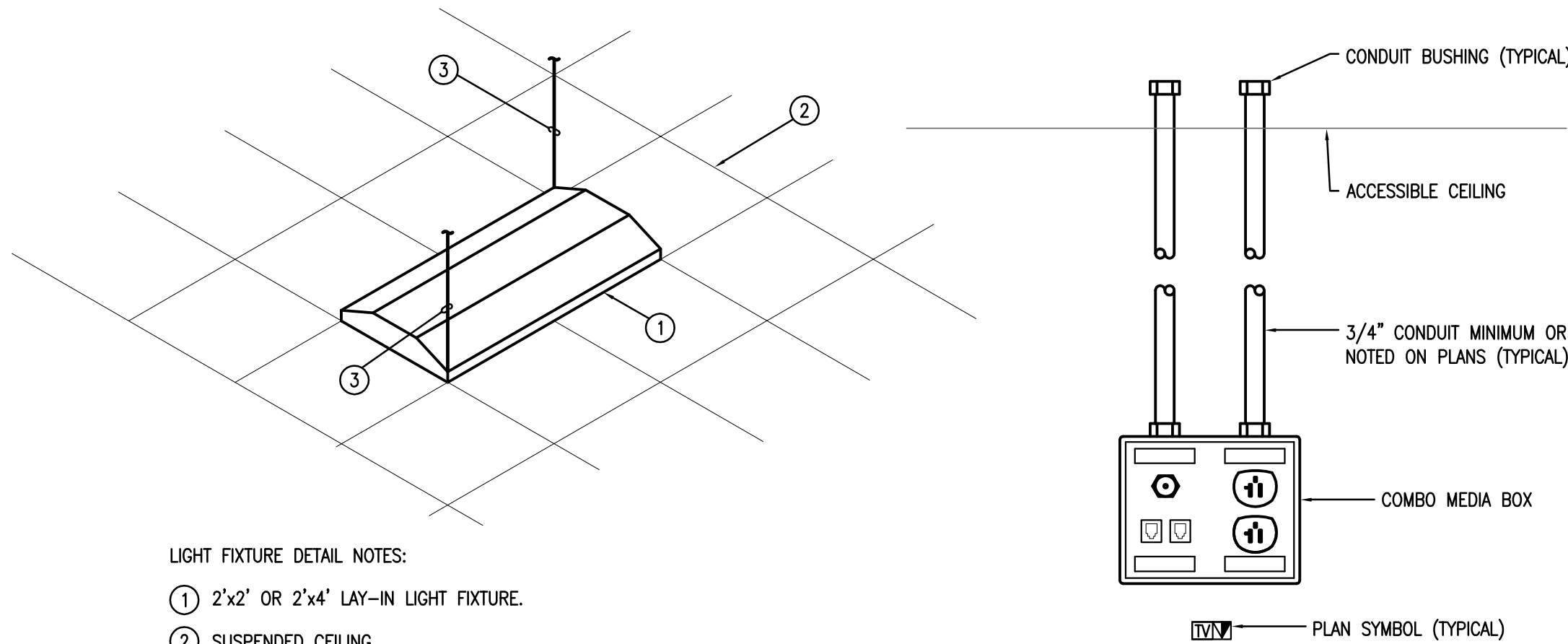
6 CATV OUTLET/RECEPTACLE
SCALE: NONE



7 DEVICE/JUNCTION BOX GROUNDING
SCALE: NONE



8 HVAC UNIT DISCONNECT CLEARANCE DETAIL
SCALE: NONE

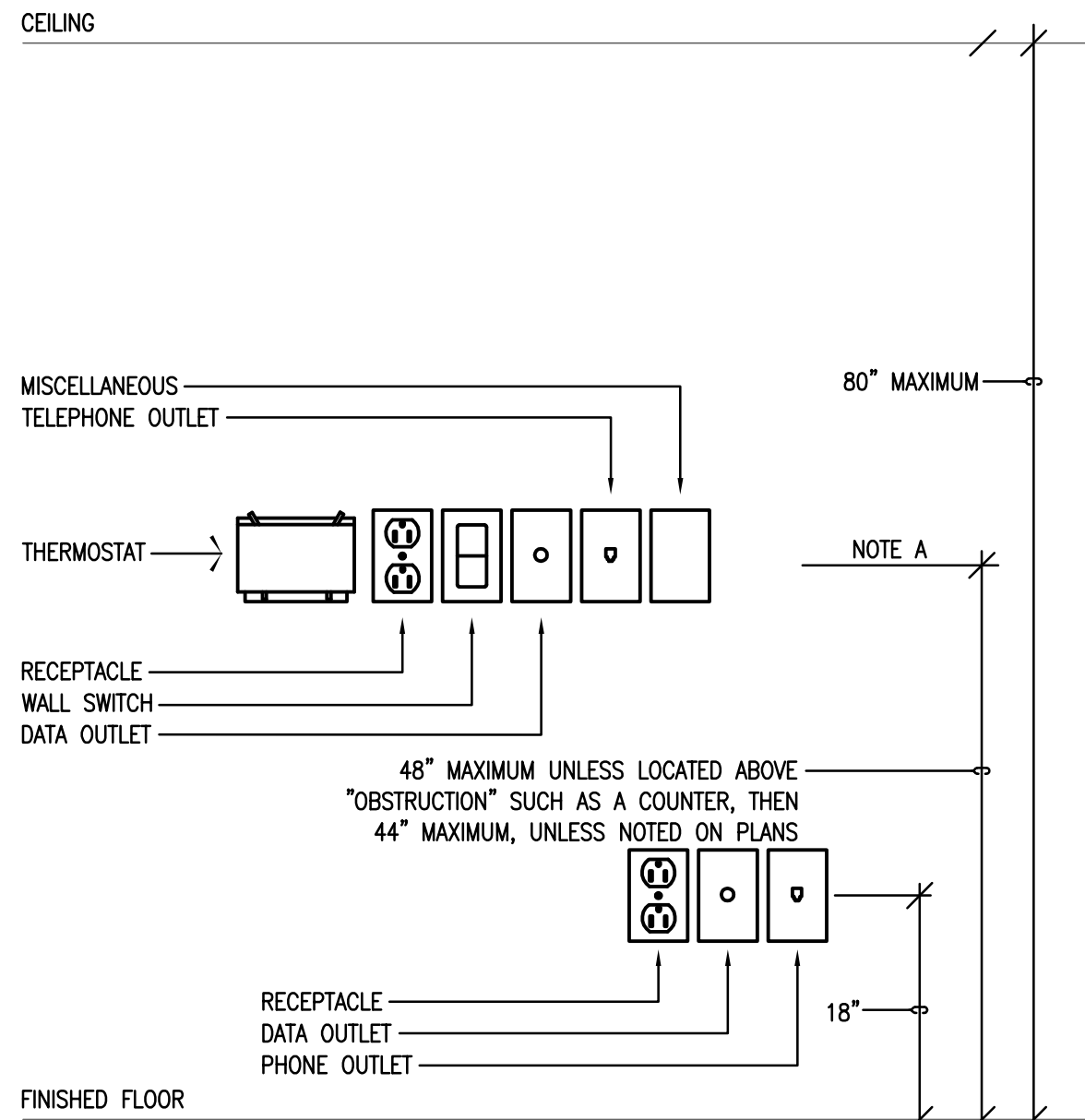


LIGHT FIXTURE DETAIL NOTES:

- 2'x2' OR 2'x4' LAY-IN LIGHT FIXTURE.
- SUSPENDED CEILING.
- THE WIRE, CONNECT A MINIMUM OF (2) OPPOSITE CORNERS OF FIXTURE TO STRUCTURE ABOVE INDEPENDENT OF OTHER CEILING SUPPORTS.

1 TYPICAL LAY-IN FIXTURE SUPPORT
SCALE: NONE

2 TELECOMMUNICATIONS OUTLETS
SCALE: NONE



GENERAL MOUNTING HEIGHT NOTES:

- A. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND ELEVATION OF ALL DEVICES IN PROXIMITY TO SINKS, COUNTERTOPS, BACK SPLASHES, CABINETY AND ARCHITECTURAL FEATURE ELEMENTS.

5 TYPICAL DEVICE MOUNTING HEIGHTS
SCALE: NONE

BUILT-IN APPLIANCES SHALL NOT SHARE 120V POWER CIRCUIT WITH COUNTER TOP CONVENIENCE RECEPTACLES.
MAINTAIN 12 FOOT MAX DISTANCE FROM DUPLEX RECEPTACLE TO DUPLEX RECEPTACLE.
NO SHARED NEUTRAL CONDUCTORS FOR NEW CIRCUITS.

RECEPTACLE TYPE CHART PER NEC 2020 (ALL ELECTRICAL SHEETS)	
LOCATION	RECEPTACLE OR BREAKER TYPE
BATHROOMS	GFCI
GARAGE/SHED	GFCI
OUTDOORS	GFCI WITH WEATHERPROOF COVER
KITCHEN COUNTERTOPS	GFCI
WITHIN 6FT OF SINKS/TUBS/SHOWERS	GFCI
LAUNDRY	GFCI
DISHWASHER	GFCI
KITCHEN	AFCI
FAMILY ROOMS	AFCI
DINING ROOMS	AFCI
LIVING ROOMS	AFCI
PORCHES	AFCI
LIBRARIES	AFCI
DENS	AFCI
BEDROOMS	AFCI
SUNROOM	AFCI
RECREATION	AFCI
CLOSETS	AFCI
HALLWAYS	AFCI
LAUNDRY	AFCI
LIGHTING	AFCI
ALL LOCATIONS	TAMPER PROOF



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										APP'D
										BY
										Date
										Revision/Issue
										No.

REPAIR (SUS) ARMEN
DORMITORY BLDG 854

ELECTRICAL
DETAILS

DESIGNED BY HS, BD	PLANT DESIGNER GC
DRAWN BY HS	REVISIONS NKAK 21-1034
CHECKED BY GC	SHEET E6.01
DATE 29 FEB. 2024	SCALE 98 of 100
AS NOTED	