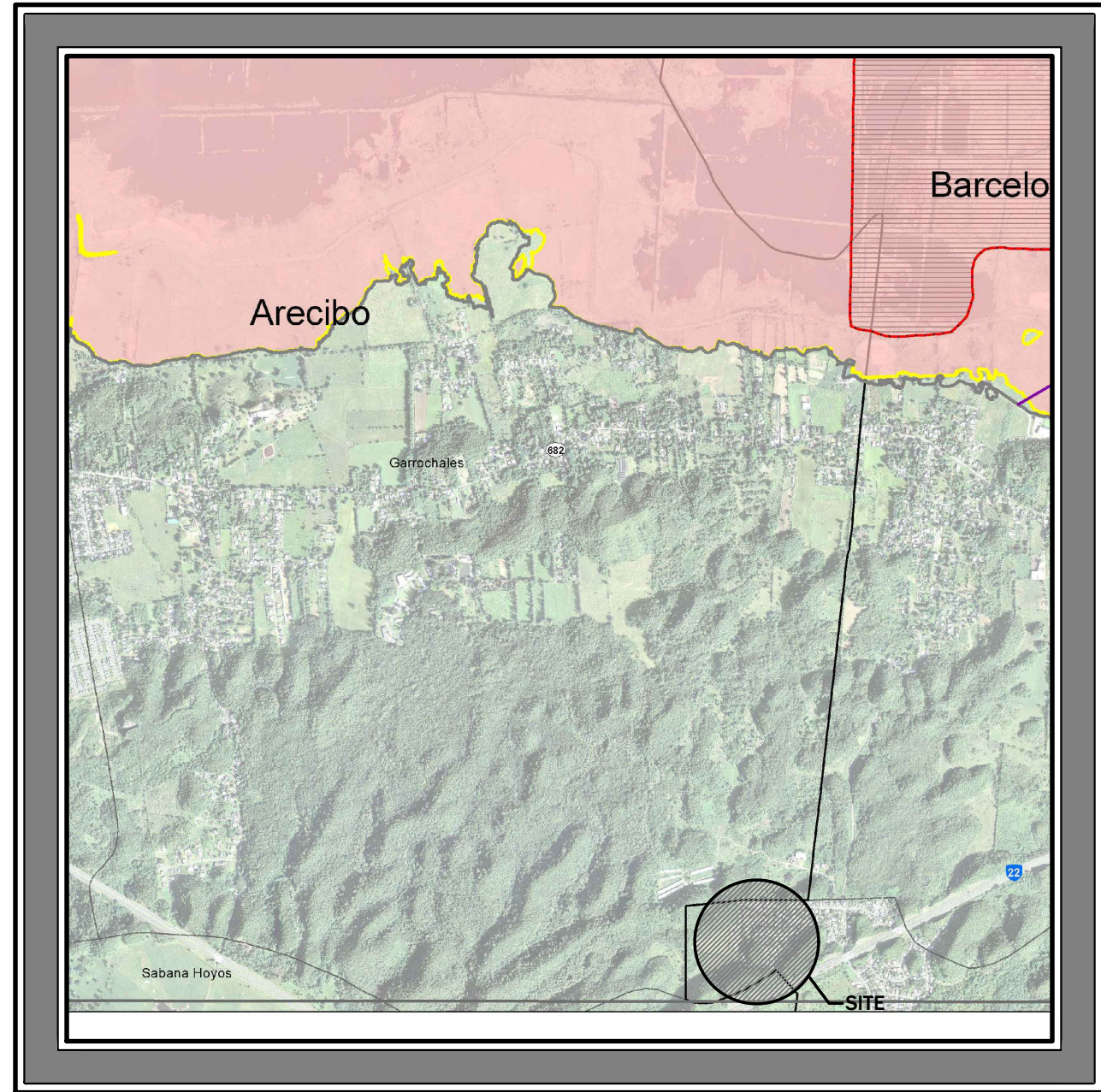
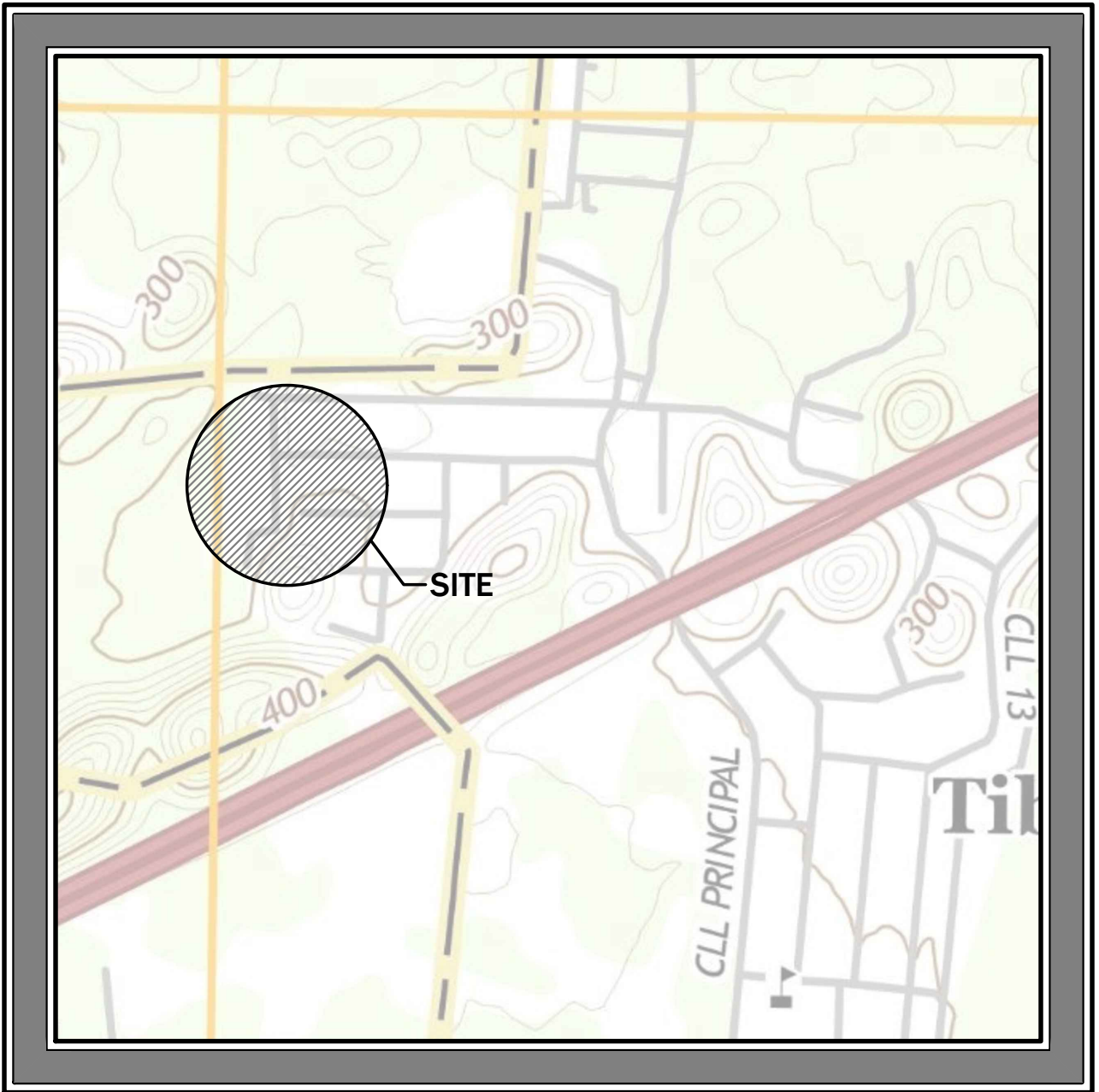


Index of Drawings

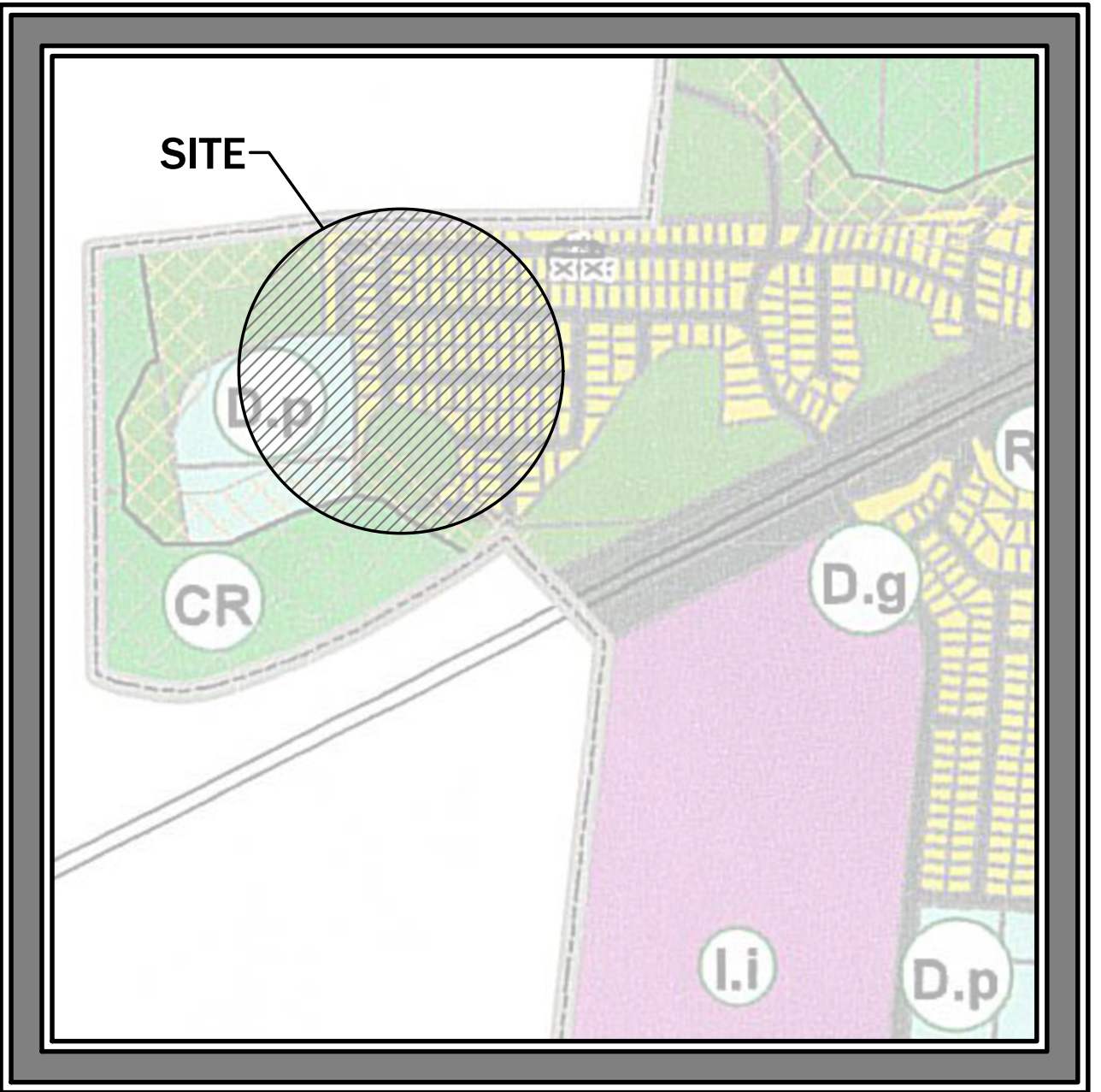
No. Sht.	No. Dwg.	Title
1	TS-1	TITLE SHEET & LOCATION MAP
2	C-101.0	EXISTING SITE PLAN
3	A-101.0	EXISTING COMMUNITY CENTER ENLARGED PLAN
4	A-101.1	PROPOSED SITE PLAN & TYPICAL DETAILS
5	A-101.2	GENERATOR ROOM FLOOR PLAN, ELEVATIONS & SECTIONS
6	S-1	GEN ROOM STRUCTURAL FLOOR PLAN, DETAILS & NOTES
7	E-1	ONE LINE DIAGRAM & GENERAL NOTES



Flood Map
Scale: 1:10,000
Map Number:
72000C0255J
Effective Date:
13 April, 2018



Zoning Map
Scale: 1:2,000
Map Number: 244
06 DECEMBER 2017



Location Map
Scale: 1:20,000
Lambert Coordinates:
X = -66.58571
Y = 18.44037

FINAL DRAWINGS - PROYECTOS DE RECUPERACIÓN

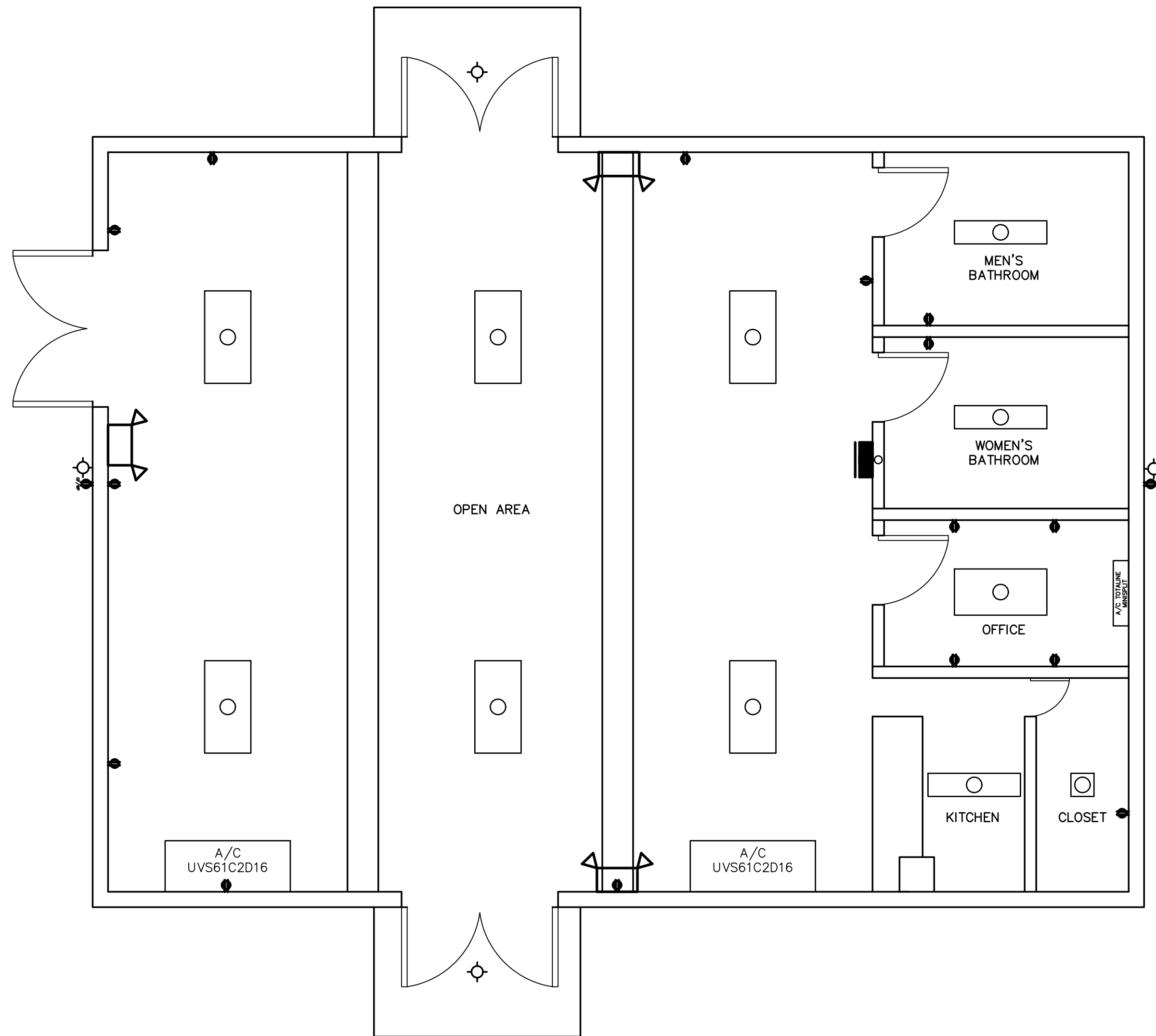
NEW BACKUP GENERATOR TIBURON 3 COMMUNITY CENTER

BO. TIBURON CALLE 3

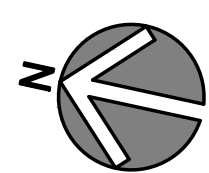
BARCELONETA, P.R.

40 KW AC DIESEL GENERATOR





- LEGEND
- EXISTING SURFACE MOUNTED 2'X4' LAMP
 - EXISTING SURFACE MOUNTED 1'X4' LAMP
 - EXISTING SURFACE MOUNTED 1'X1' LAMP
 - EXISTING EMERGENCY LAMP
 - EXISTING 120V DUPLEX RECEPTACLE, GF FOR GROUND FAULT, WP FOR WATERPROOF
 - EXISTING WALLPACK LAMP
 - EXISTING MAIN DISTRIBUTION POWER PANEL

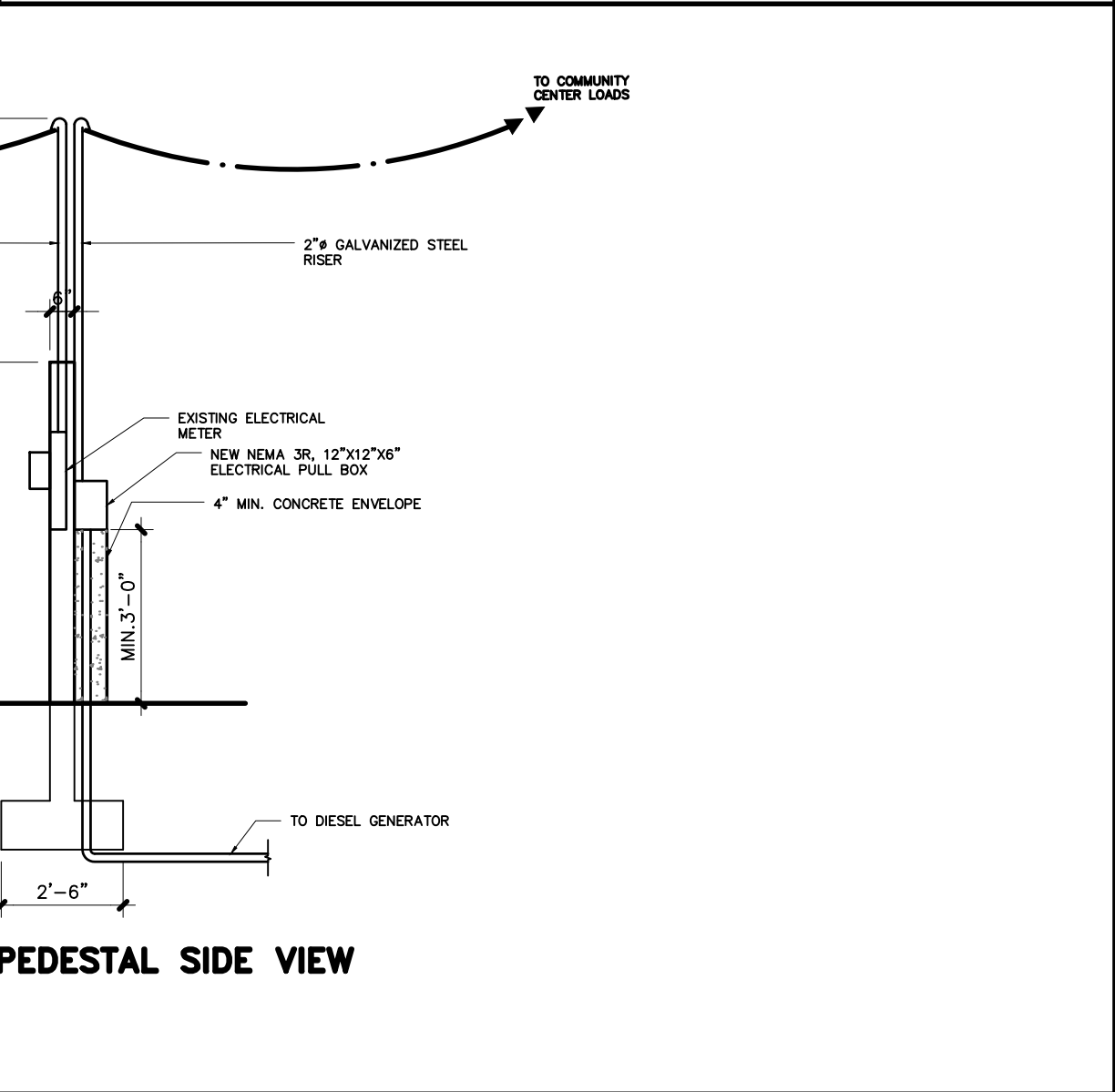
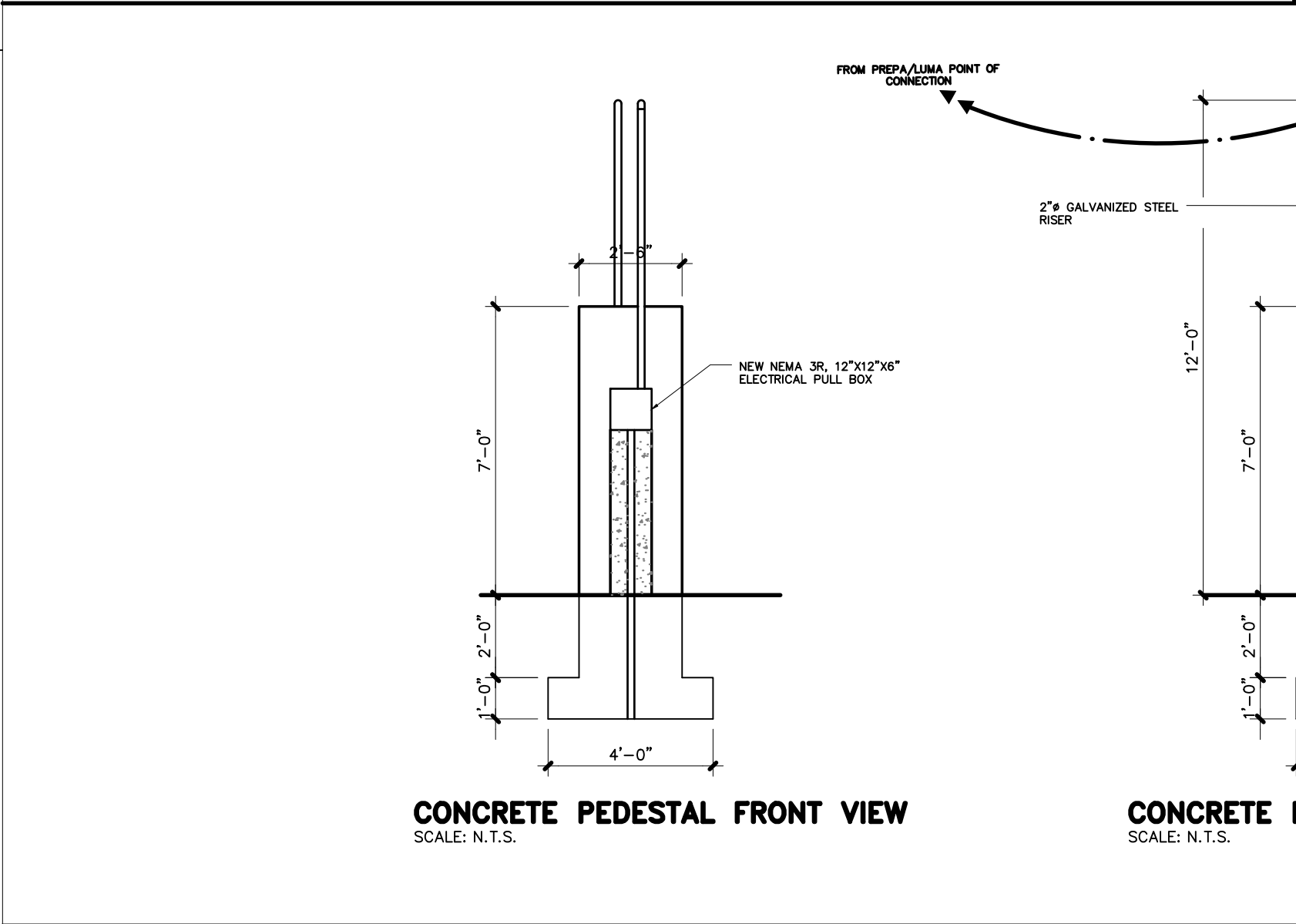
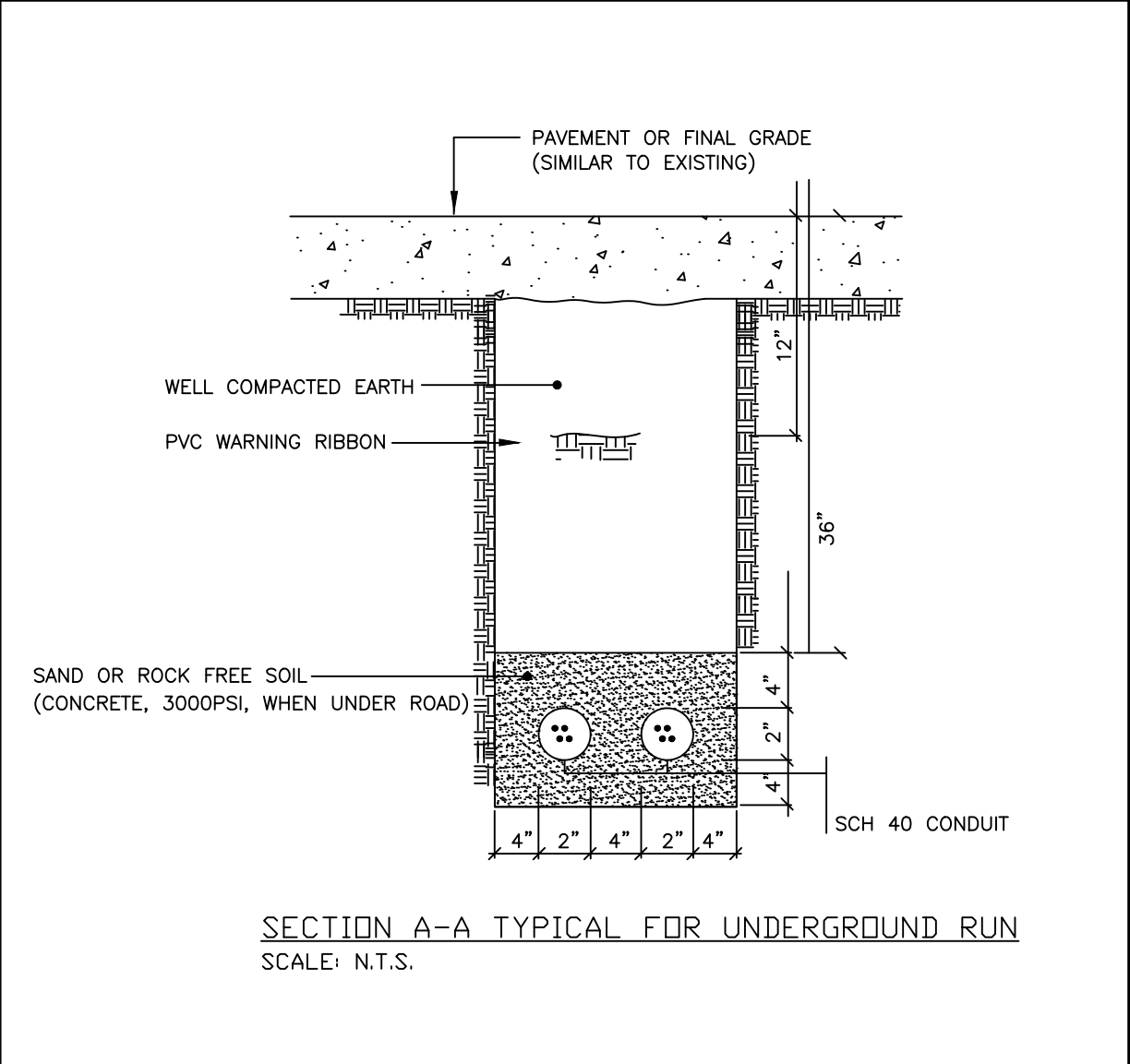
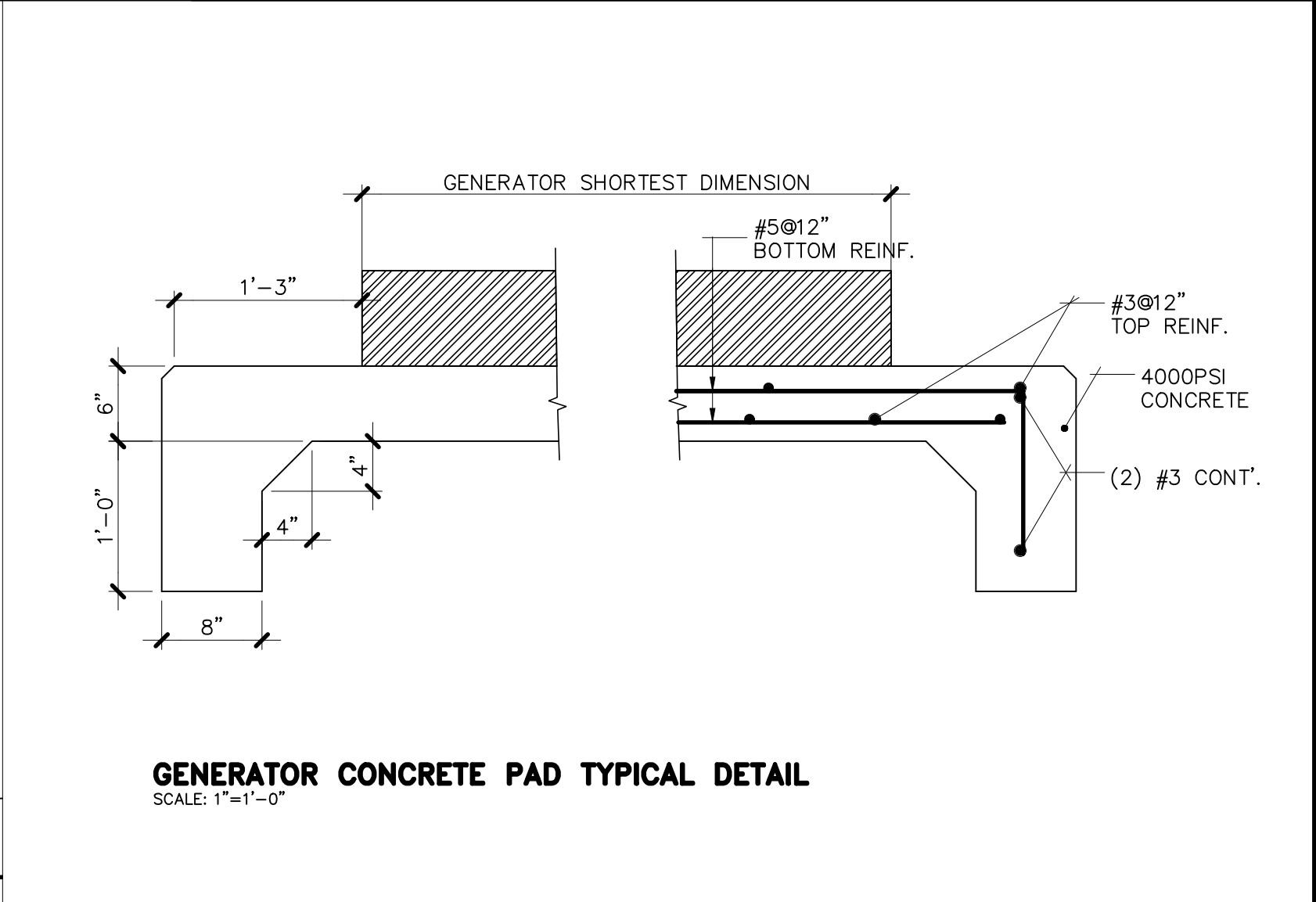
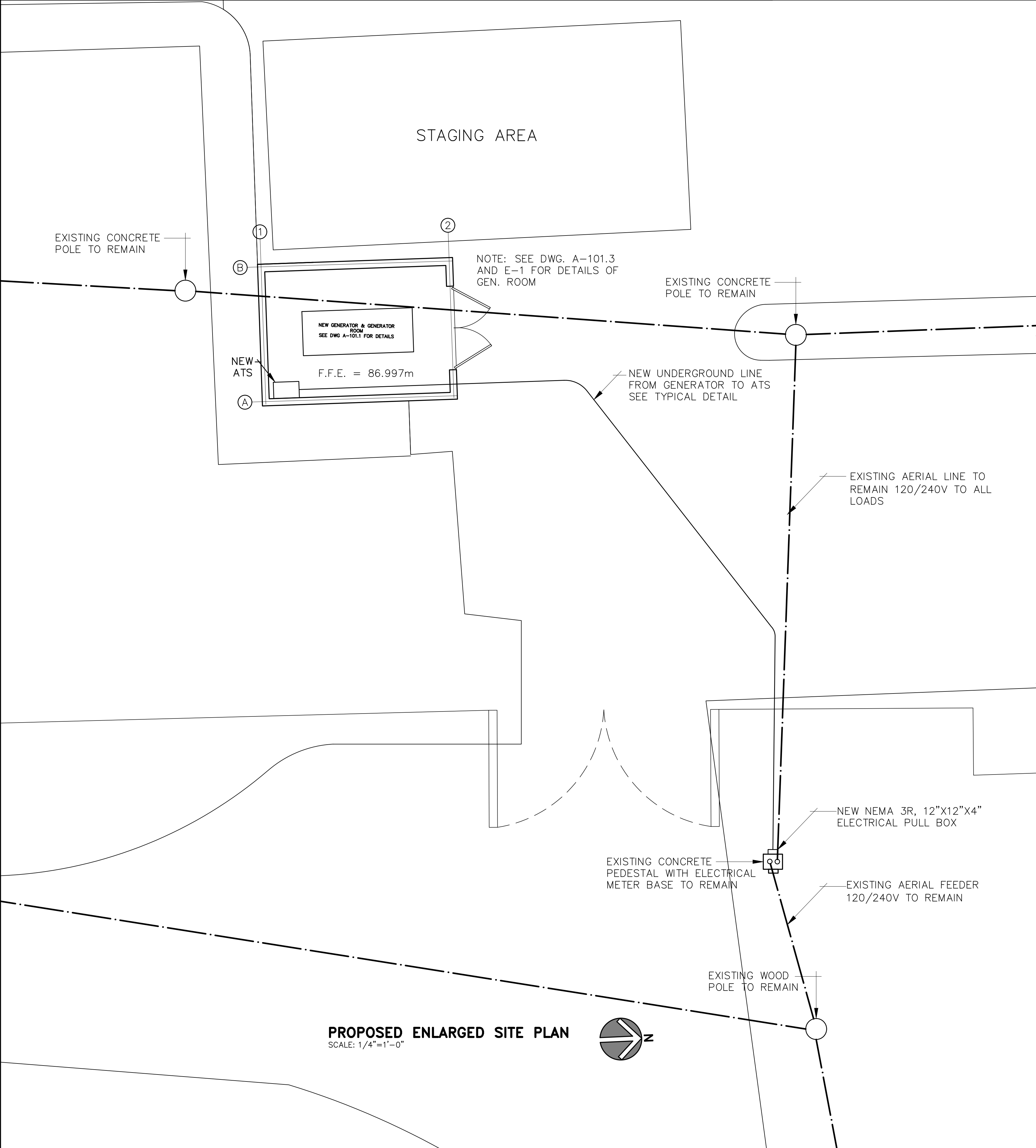
 **EXISTING COMMUNITY CENTER STRUCTURE ENLARGED PLAN**
SCALE: 1/4"=1'-0"

WORK TO BE PERFORMED

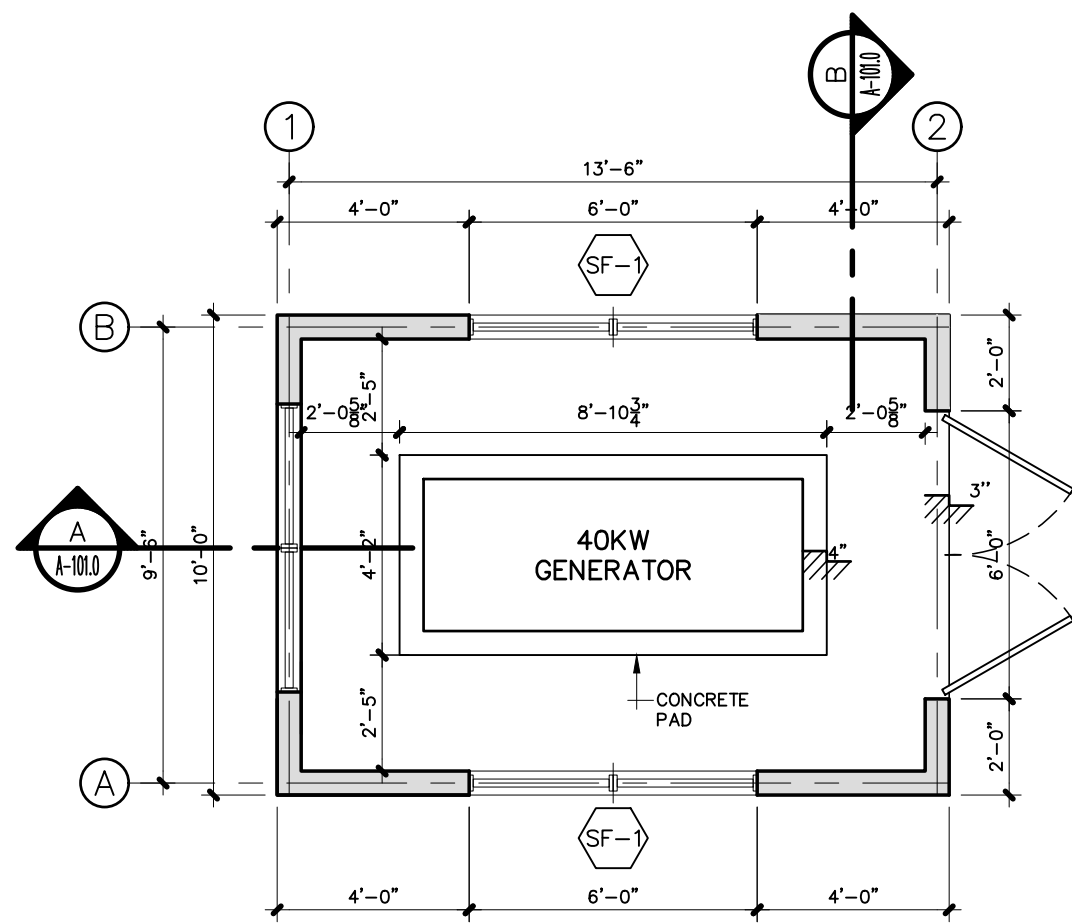
THIS PAGE IS FOR LOAD CALCULATIONS ONLY. NO WORK IS REQUIRED ON THIS DRAWING AND/OR THE COMMUNITY CENTER BUILDING.

PROJECT NO.	REVISIONS		
	NO.	DESCRIPTION	DATE
DRAWN BY: J. ERAZO			
LICENSED NO.:			
CHECKED BY:			

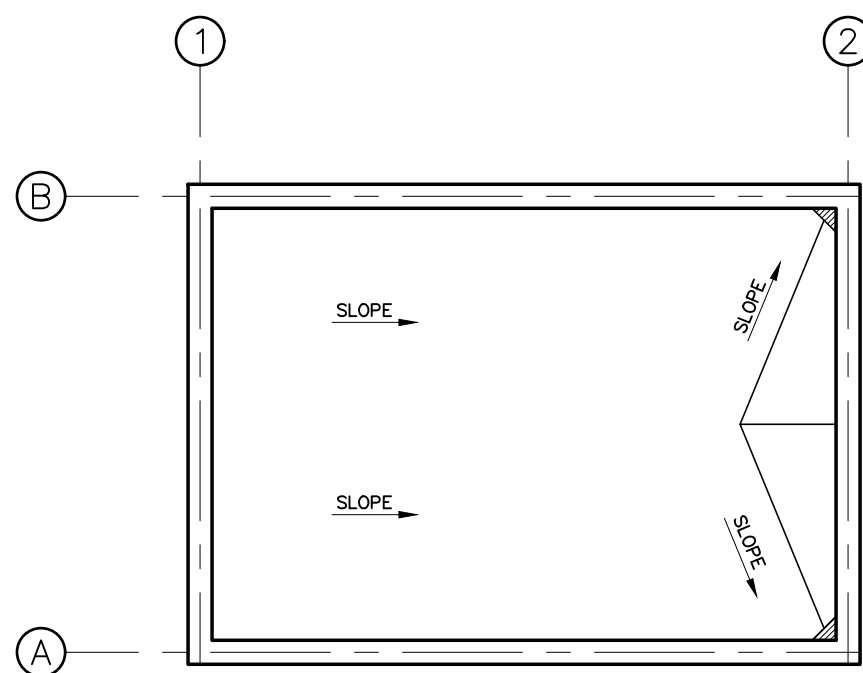
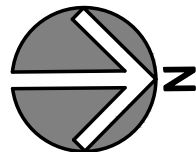
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EXISTING COMMUNITY CENTER ENLARGED PLAN	
DATE: DECEMBER, 2024	SCALE: 1/4"=1'-0"
DRAWING NO.: A-101.0	SHEET NO.: 03



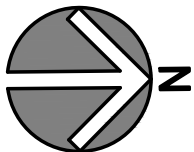
STAGING AREA: 15'-0" WIDE X 30'-0" LONG.
GROUND DISTURBANCE ESTIMATED EXCAVATION:
-UNDERGROUND RUN TRENCH: 1'-4" WIDE X 58'-6" LONG X 3'-10" DEEP



FLOOR PLAN
SCALE: 1/4"=1'-0"



ROOF PLAN
SCALE: 1/4"=1'-0"

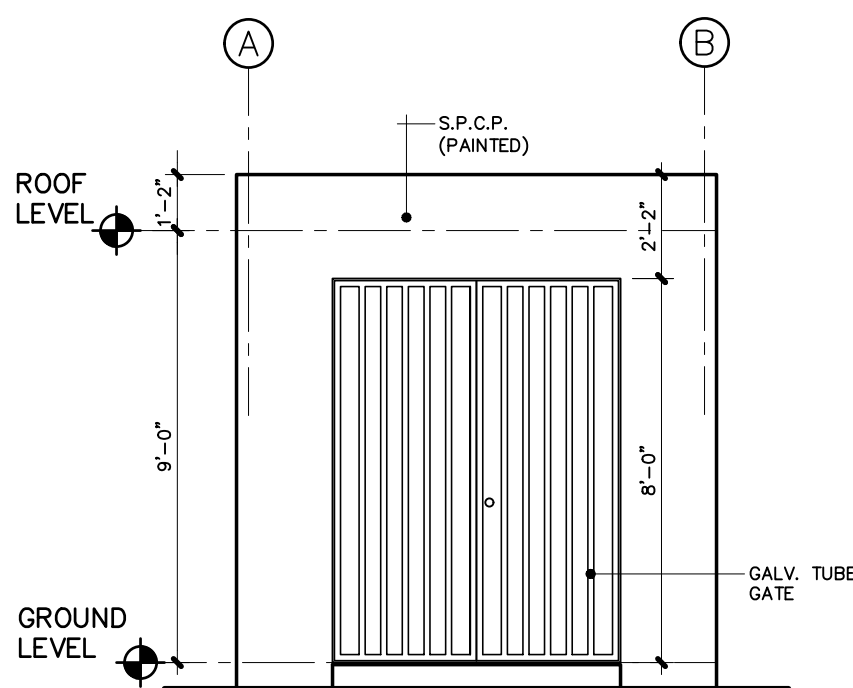


LEGEND:

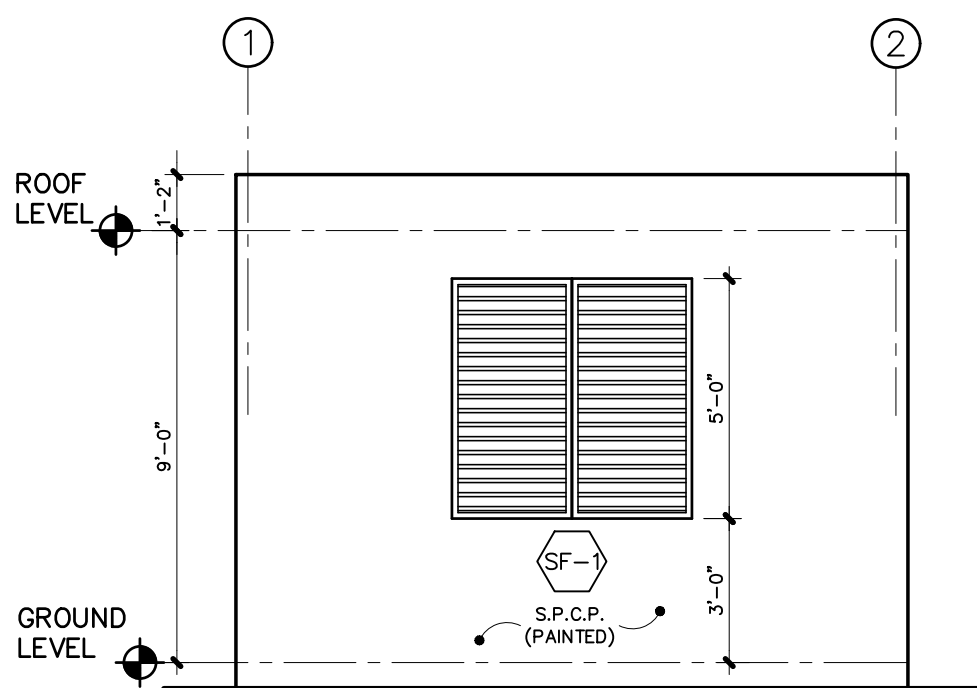
- SF-1 30"x60" ALUMINUM LOUVER
- S.P.C.P. SURFACE PLASTERED CEMENT AND PAINT WITH ONE LAYER OF PRIMER AND TWO LAYERS OF PAINT

NOTES:

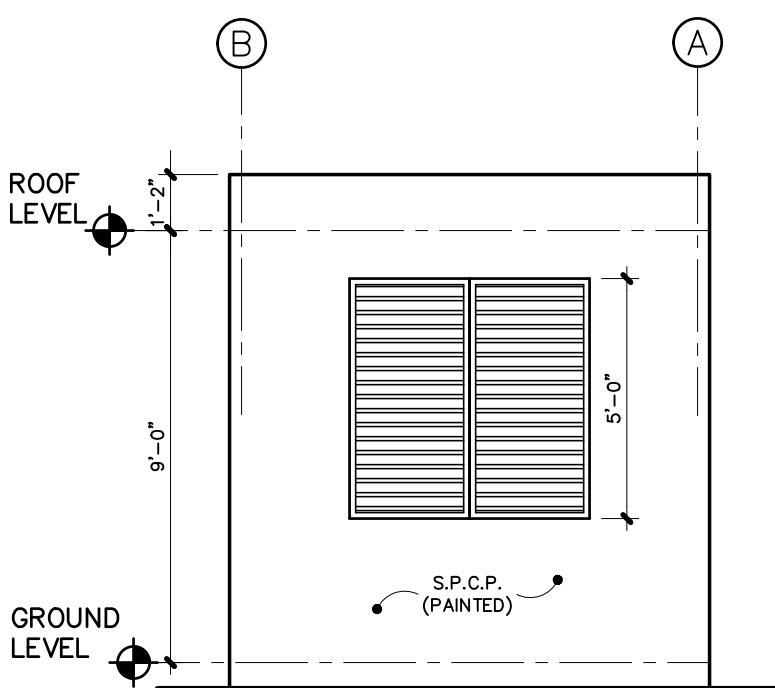
1. S.P.C.P. APPLIES TO ALL CEMENT SURFACE
2. APPLY POLYURETHANE WATERPROOFING ON ROOF



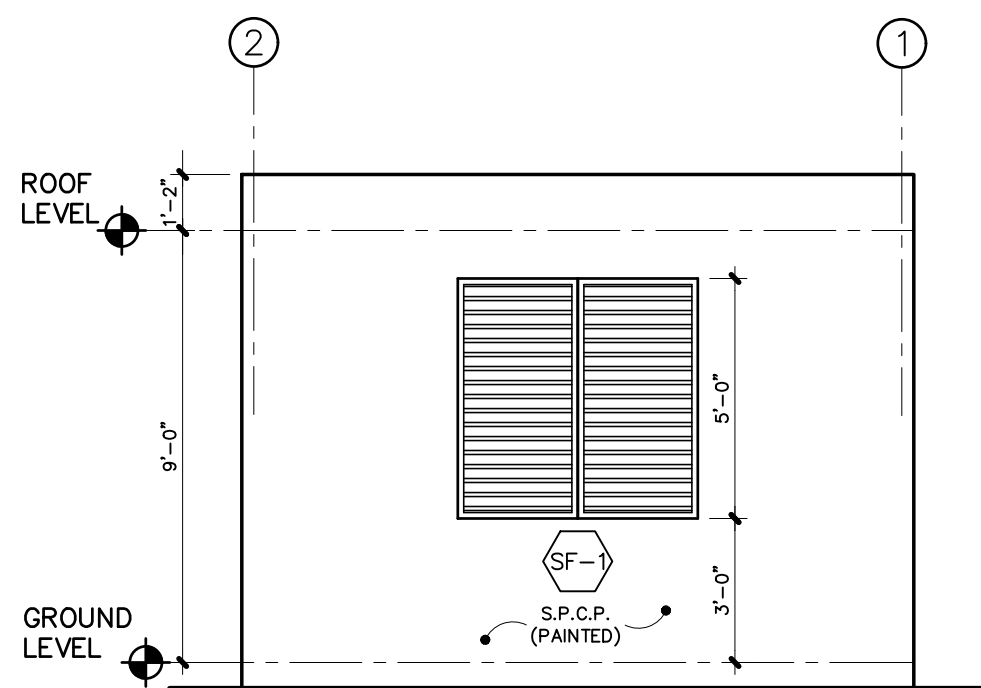
NORTH EAST ELEVATION
SCALE: 1/4"=1'-0"



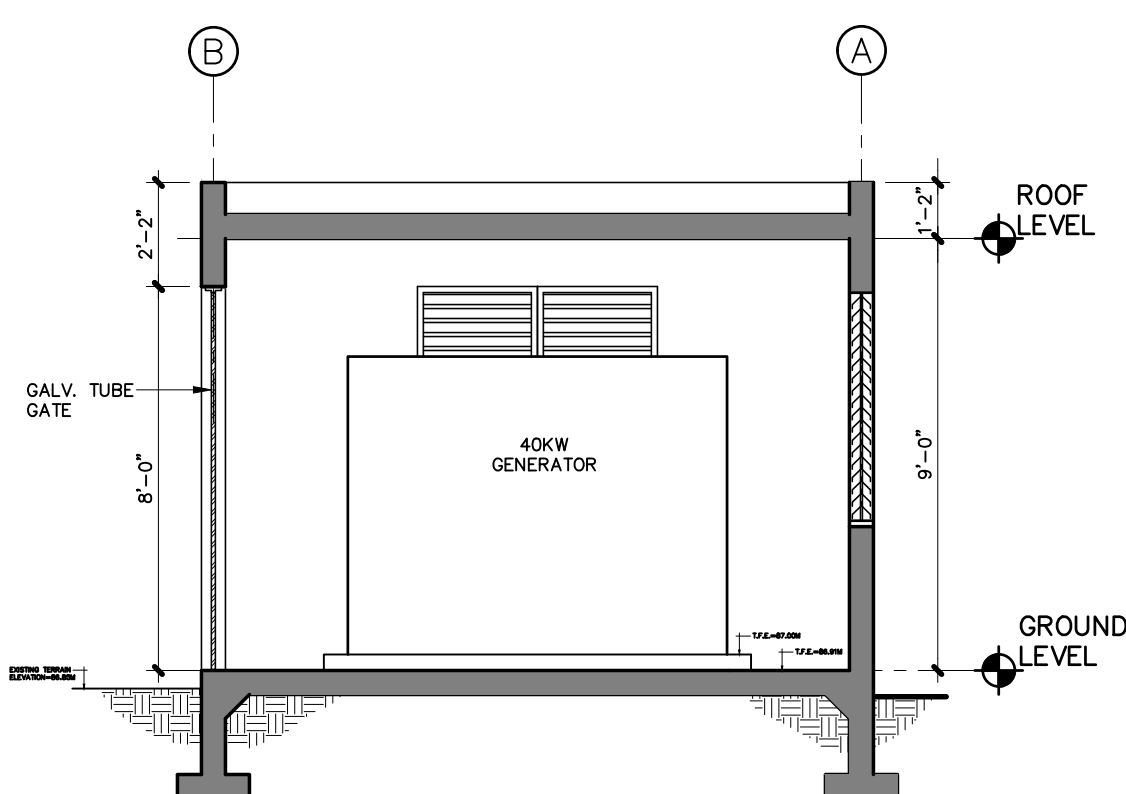
NORTH WEST ELEVATION
SCALE: 1/4"=1'-0"



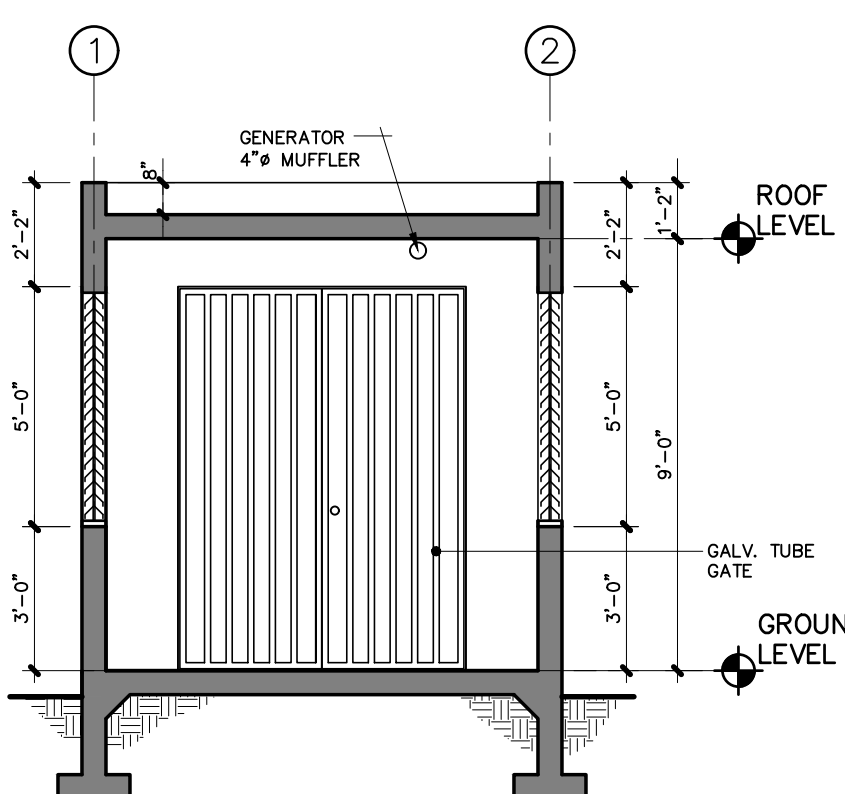
SOUTH WEST ELEVATION
SCALE: 1/4"=1'-0"



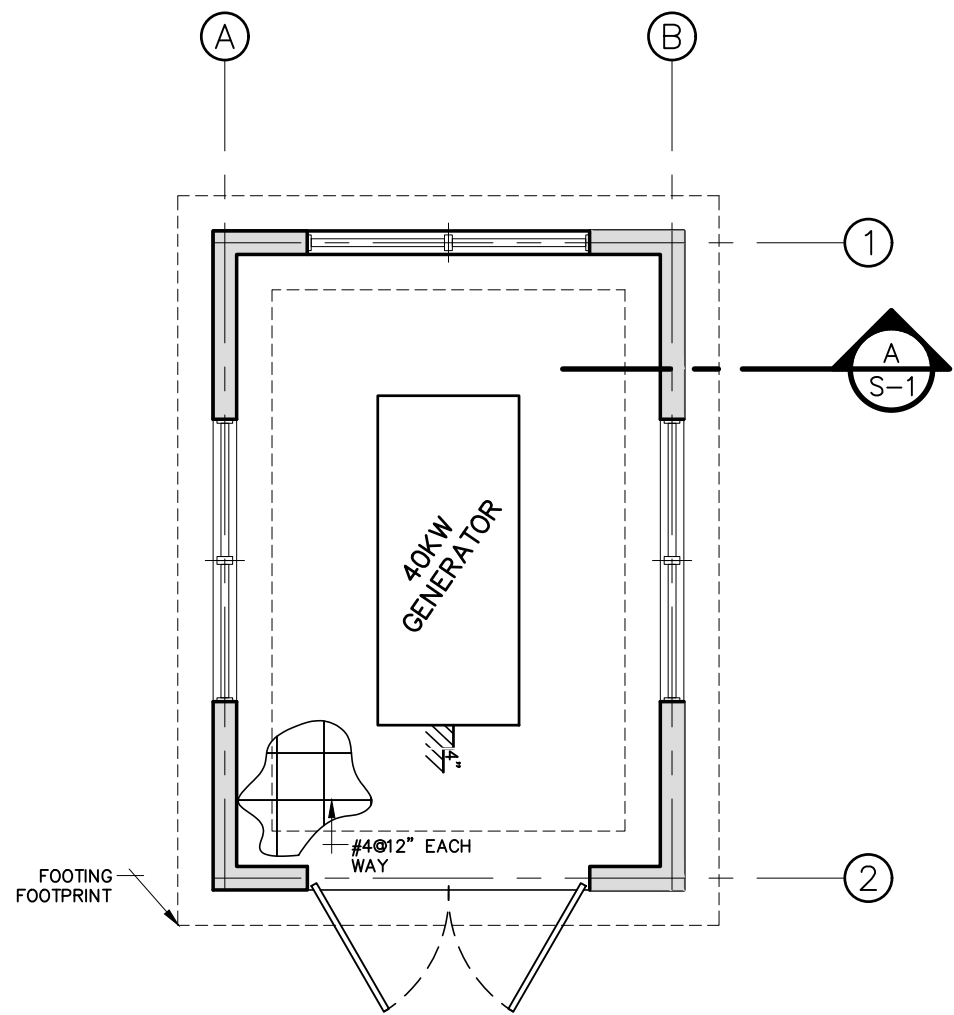
SOUTH EAST ELEVATION
SCALE: 1/4"=1'-0"



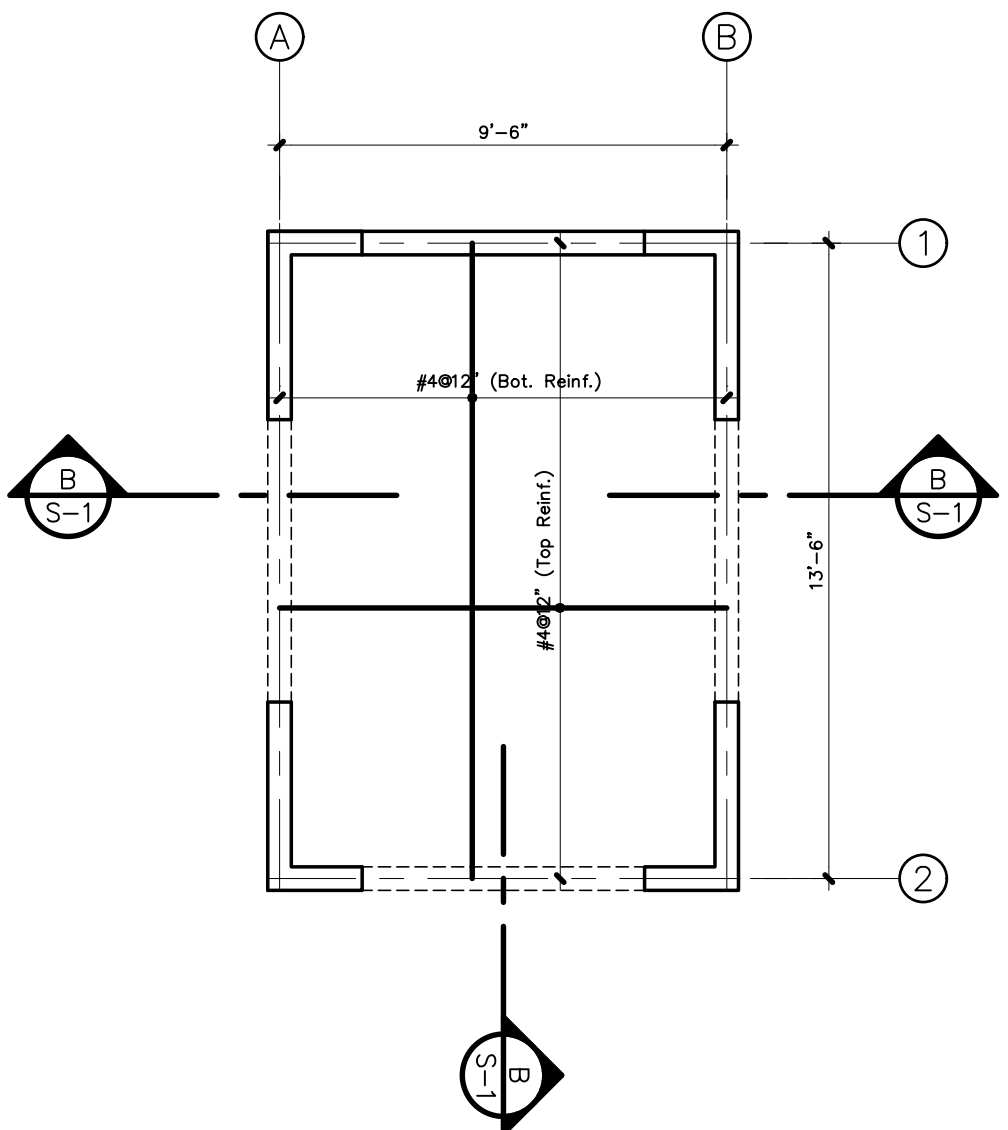
SECTION A-A
SCALE: 1/4"=1'-0"



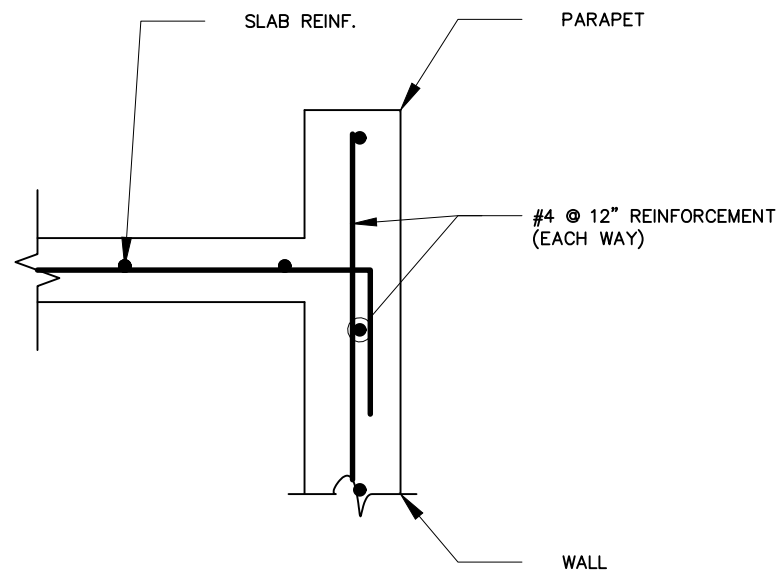
SECTION B-B
SCALE: 1/4"=1'-0"



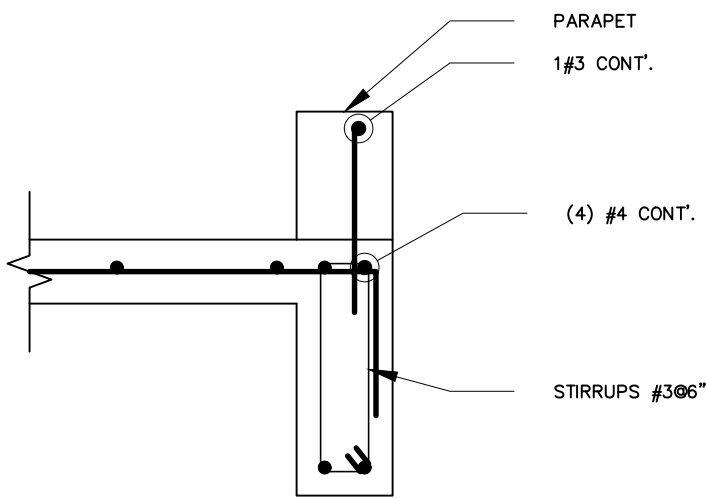
STRUCTURAL FLOOR PLAN
SCALE: 1/4"=1'-0"



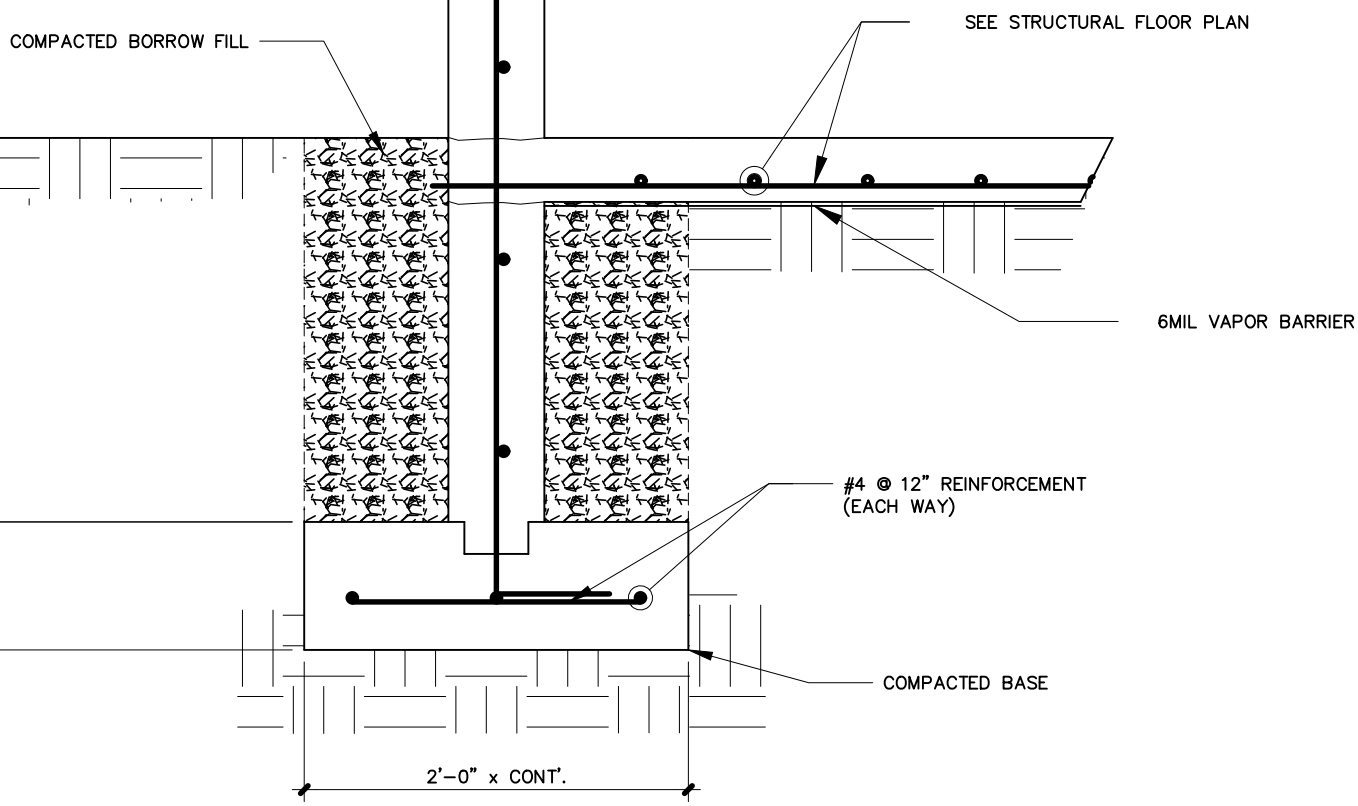
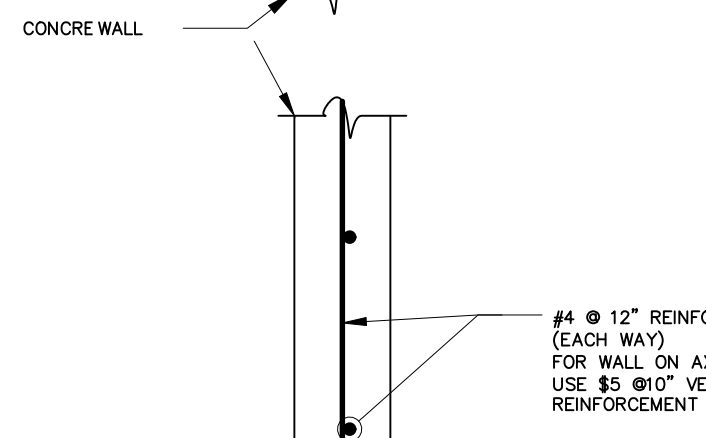
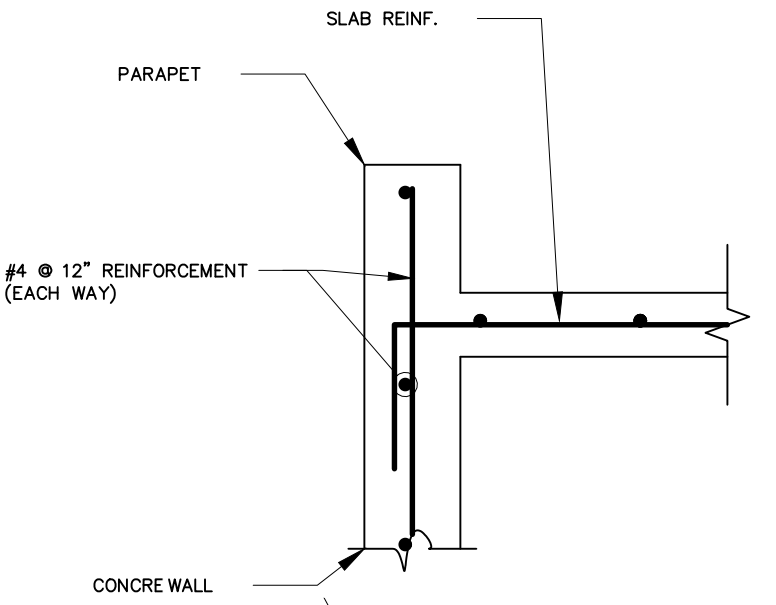
STRUCTURAL ROOF PLAN
SCALE: 1/4"=1'-0"



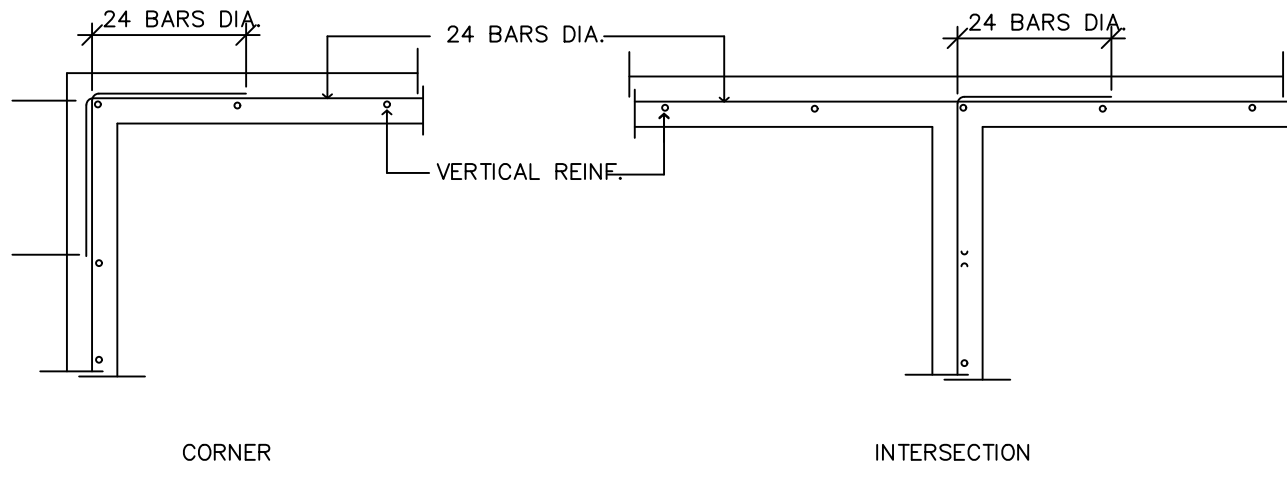
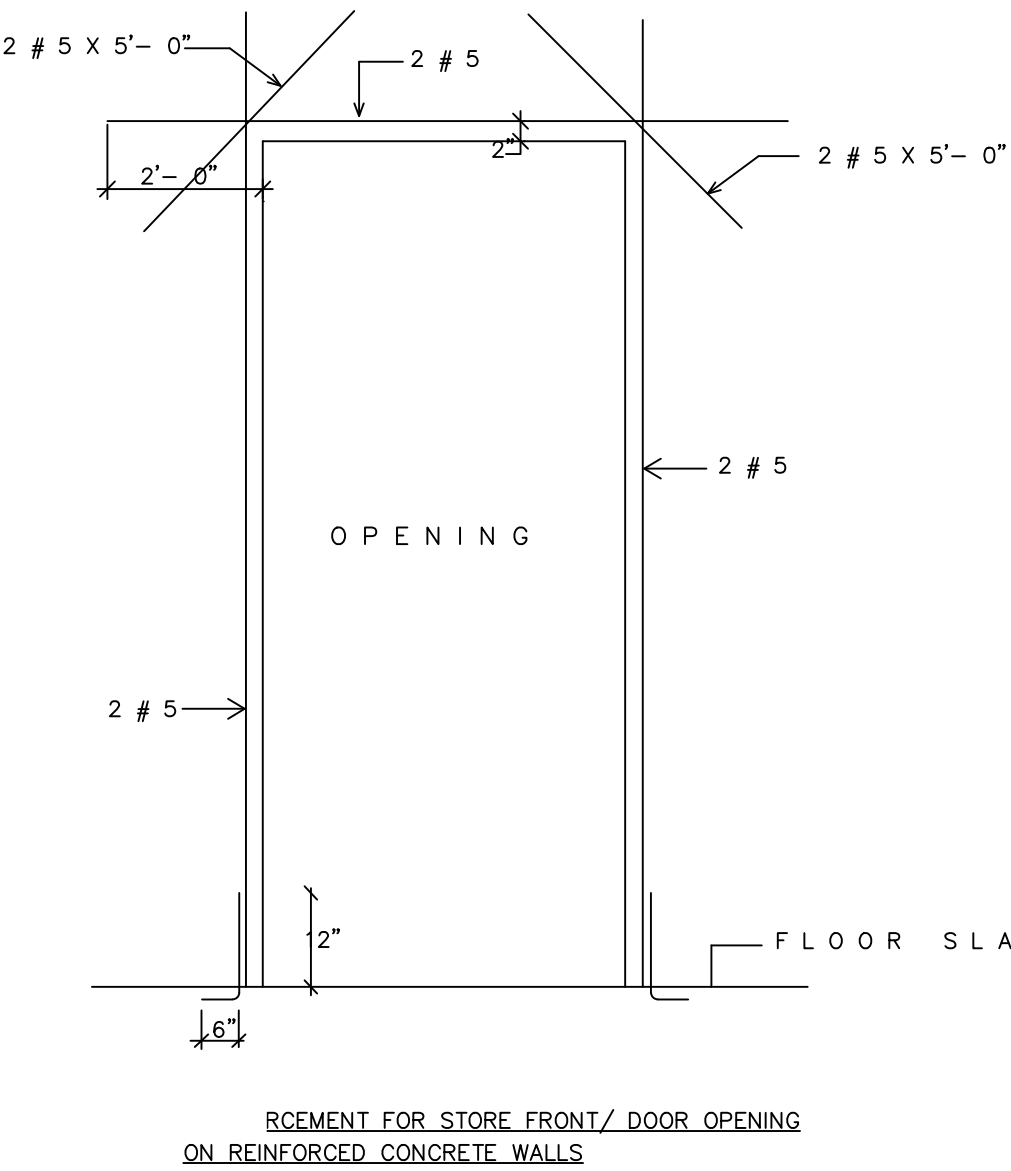
WALL TO ROOF DETAIL
SCALE: 1"=1'-0"



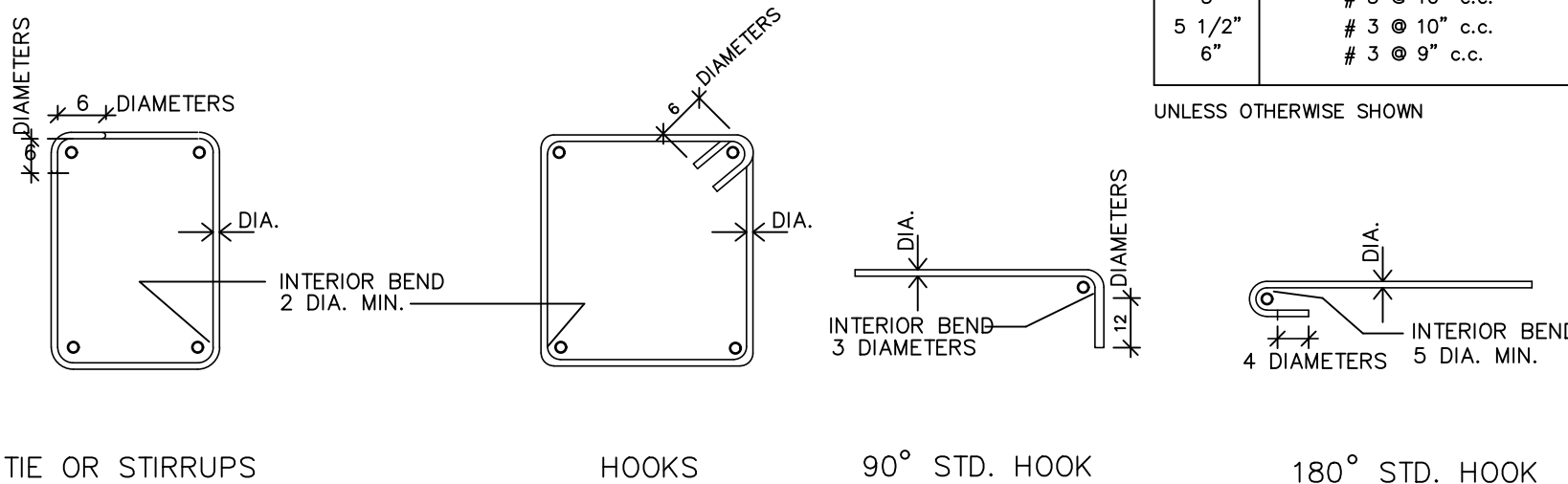
SECTION B (BEAM)
SCALE: 1"=1'-0"



SECTION A (WALL - FOOTING DETAIL)
SCALE: 1"=1'-0"



CONCRETE WALL REINFORCEMENT DETAILS



REINFORCING BAR BEND DETAILS

TEMPERATURE REINFORCEMENT	
SLAB	REINFORCEMENT
4"	# 3 @ 12" c.c.
4 1/2"	# 3 @ 12" c.c.
5"	# 3 @ 10" c.c.
5 1/2"	# 3 @ 9" c.c.
6"	# 3 @ 9" c.c.

UNLESS OTHERWISE SHOWN

GENERAL STRUCTURAL NOTES:

- ALL BEAMS SHALL BE POURED MONOLITHICALLY WITH FLOOR OR ROOF SLAB.
- TO THE MINIMUM REQUIREMENTS SET FORTH IN THE PREVAILING BUILDING CODES.
- SOIL BEARING CAPACITY ASSUMED AT 2,000 PSF. CONTRACTOR SHALL VERIFY THIS PARAMETER.
- CLEAR CONCRETE PROTECTION FOR ALL REINFORCEMENT SHALL BE AS FOLLOWS, UNLESS OTHERWISE INDICATED ON DRAWINGS:

WALLS	----- 3/4"
FOOTINGS	----- 3"
SLABS	----- 3/4"
COLUMNS & BEAMS	----- 1-1/2"
- PROVIDE DOWELS IN WALL AND COLUMN FOOTINGS EQUAL IN SIZE AND NUMBER TO VERTICAL REINFORCEMENT, EXTENDING A SPLICE LENGTH INTO WALL OR COLUMN OF 30 BARS DIAM. AND EXTENDED INTO THE FOOTING AS NECESSARY TO PROVIDE A 6" MINIMUM HORIZONTAL LEG RESTING ON FOOTING REINFORCEMENT.
- ALL CONCRETE BLOCK WALLS SHALL BE ANCHORED TO THE STRUCTURE BY MEANS OF #4 BARS DOWELS EXTENDING 21" INTO THE WALL AND SPACED AT 32". THE CELLS SHALL BE FILLED WITH MORTAR AS REQUIRED. ANCHORAGE TO WALLS OR COLUMNS SHALL BE DONE WITH METAL DOVE TAIL ANCHORS. ANCHORAGE OF BLOCK WALL TO BLOCK WALL SHALL BE MADE WITH METAL TIE BARS.
- ALL BLOCK WALLS SHALL BE HORIZONTALLY REINFORCED WITH DUE-0-WALL OR EQUIVALENT. PLACED HORIZONTALLY EVERY OTHER BLOCK COURSE AND SPLICED WITH A 12" OVERLAP.
- LINTELS OVER DOOR OPENINGS IN MASONRY WALLS SHALL HAVE A THICKNESS EQUAL TO THAT OF THE WALL AND REINFORCED WITH 2 #5 BARS AT TOP AND 2 #5 BARS AT BOTTOM. (FOR OPENINGS NOT WIDER THAN 4 FT.) MINIMUM LINTEL DEPTH 8", BEARING ON SIDES 6".
- ALL DETAILING AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315), "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318), AND OTHERS AMERICAN CONCRETE INSTITUTE STANDARDS AND RECOMMENDATIONS FOR ACCEPTABLE PRACTICES.
- THE CONTRACTOR SHALL PROVIDE, SET AND VERIFY DIMENSIONS AND LOCATIONS OF ALL ANCHORS, INSERTS, BOLTS, SLEEVES, CONDUITS, ETC., SHOWN OR NOTED ON DRAWINGS OR SPECIFICATIONS. ANY DETRIMENTAL INTERFERENCE BETWEEN ANY OF THESE ITEMS AND STRUCTURAL ELEMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ANY WORK IS STARTED.
- CONCRETE SHALL DEVELOP THE FOLLOWING COMPRESSIVE STRENGTH AT 28 DAYS, EXCEPT OTHERWISE INDICATED.

SLAB ON GROUND	----- 3,000 PSI
FOUNDATIONS,STRUCTURAL SLABS AND BEAMS	----- 4,000 PSI
WALLS AND COLUMNS	----- 4,000 PSI
- ALL REINFORCING STEEL SHALL CONFORM TO THE SPECIFICATIONS FOR DEFORMED NEW BILLET STEEL BARS FOR CONCRETE REINFORCEMENT (INTERMEDIATE GRADE) ASTM A-615, GRADE 60. ALL STRUCTURAL REINFORCING STEEL SHALL BE ASTM A-36.
- IN LAPPED SPLICES THE LENGTH OF LAP SHALL BE NOT LESS THAN 24 BAR DIAMETERS. DO NOT USE LAPPED SPLICES AT POINTS OF MAXIMUM STRESS. WIRE MESH REINFORCEMENT SHALL BE LAPPED ONE FULL MESH AT SIDES AND ENDS LAPS.
- SHORING OF FOUNDATION WALLS SHALL NOT BE REMOVED UNTIL SUPPORTING SLABS HAVE BEEN POURED AND ATTAINED SUFFICIENT STRENGTH.
- PROVISIONS FOR DETAILS, NOT SPECIFICALLY DRAWN SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE ACI 318 BUILDING CODE (LATEST VERSION) AND/OR CLARIFIED WITH THE DESIGNER.

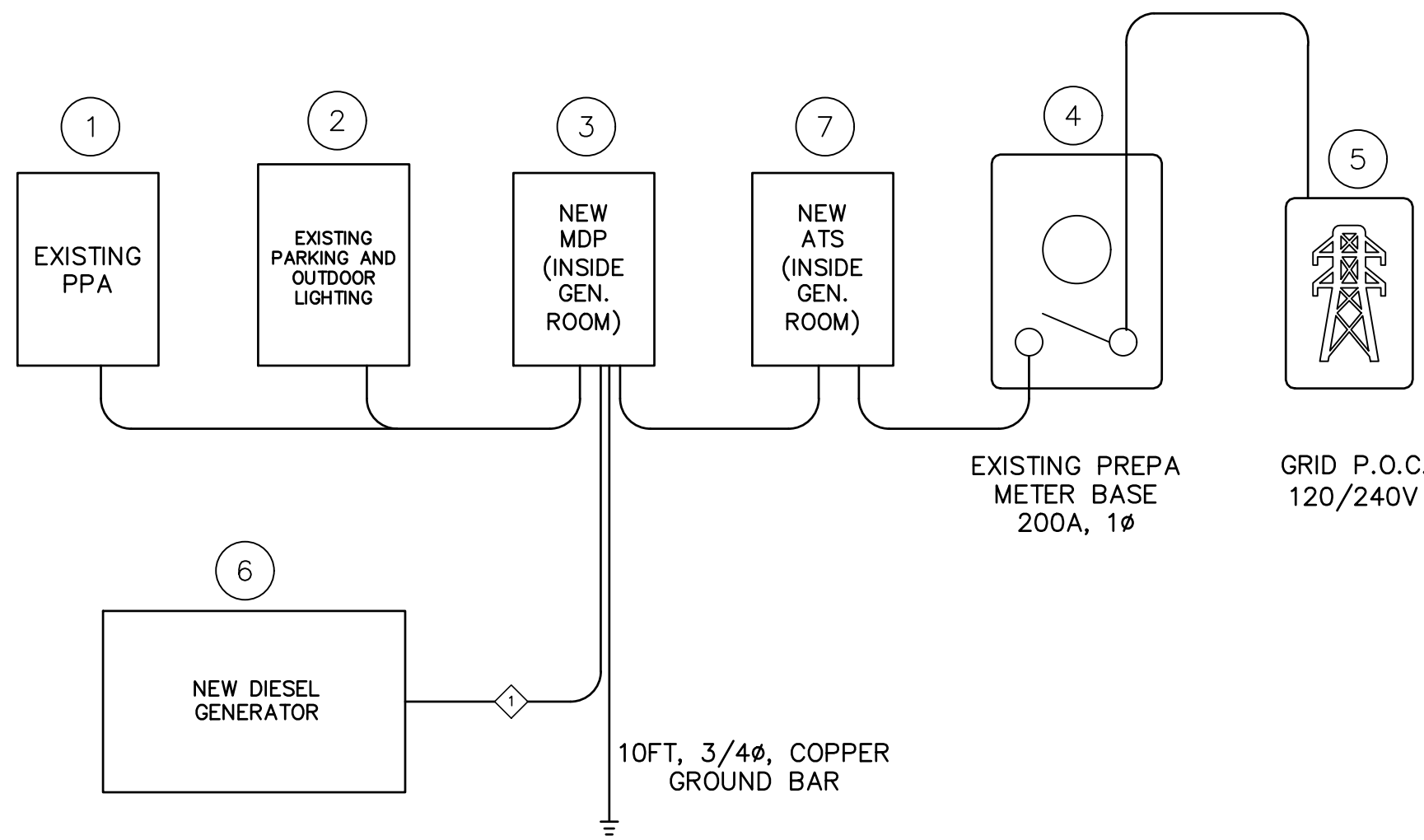
LIVE LOADS

ROOF SLAB ---- 30 PSI

CODES

PUERTO RICO BUILDING CODE - 2018
ACI BUILDING CODE (LATEST)
ASCE 7-16 (EFFECTIVE WIND SPEED - 200 MPH)

STAGING AREA: 15'-0" WIDE X 30'-0" LONG.
GROUND DISTURBANCE ESTIMATED EXCAVATION:
-NEW STRUCTURE FOOTINGS: 2'-0" WIDE X 48'-0" LONG X 2'-8" DEEP



ELECTRICAL ONE – LINE DIAGRAM
N.T.S.

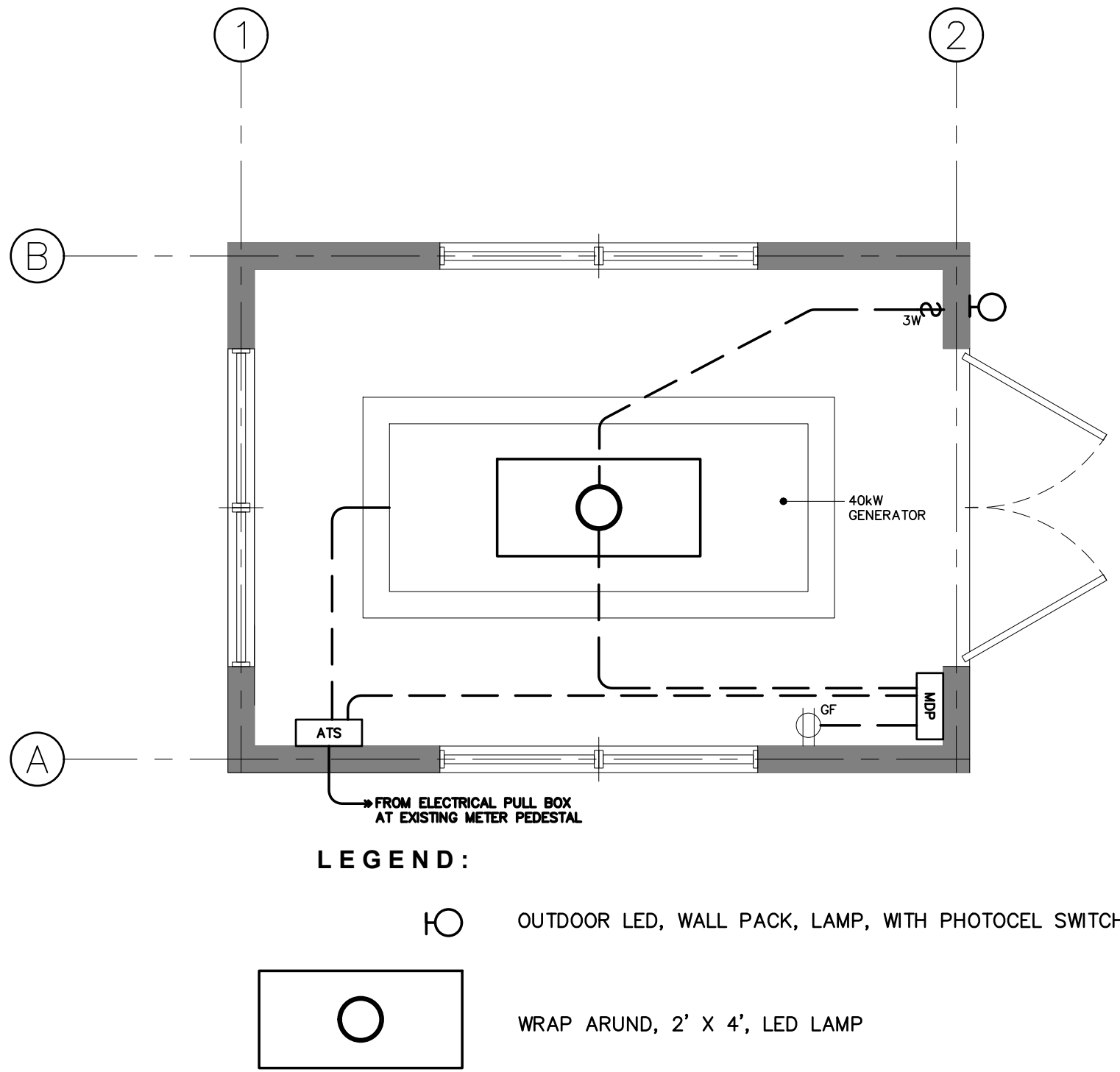
- 1 EXISTING MDP INSIDE COMMUNITY CENTER, 1ø, 120/240V TO REMAIN
- 2 EXISTING PARKING AND OUTDOOR’S AREA POLE LIGHTING TO REMAIN
- 3 NEW ATS, EQUAL OR SIMILAR TO GENERAC TX611 SERIES; 3R ENCLOSURE, 200AMP. TWO YEAR EXTENDED STANDARD WARRANTY.
- 4 EXISTING PREPA/LUMA METER BASE, 1ø, 120/240V, 200AMP TO REMAIN
- 5 EXISTING PREPA/LUMA, 1ø, 120/240V, ELECTRICAL LINES TO REMAIN
- 6 NEW 40KW DIESEL GENERATOR WITH STANDARD ENCLOSURE EQUAL OR SIMILAR TO GENERAC SD040, SINGLE PHASE, 120/240V. 111 GALS DUAL WALL TANK (MINIMUM). TWO YEAR EXTENDED STANDARD WARRANTY.
- 7 NEW MAIN DISTRIBUTION PANEL (MDP) WITH MAIN BREAKER, 120/240V, 1ø, 200AMP.
 - *1ea 20 AMP BREAKER FOR LIGHTS
 - *1ea 20 AMP BREAKER FOR RECEPTACLES
 - *1ea 150 AMP (2 POLES) FOR CONTROLLER

WIRING SCHEDULE

- 3EA #2, 600V, RHH AND 1EA #8 GROUND CONDUCTOR, INSIDE 2” DIA PVC, SCH 40 CONDUIT. USE JUNCTION AND PULL BOXES AS NEEDED FOR WIRING.

IMPORTANT NOTE

- 1 CONTRACTOR SHALL BALANCE ALL LOADS.



EQUIPMENT DISTRIBUTION PLAN
SCALE: 3/8”=1’-0”

GENERAL NOTES:

- 1 ALL CONSTRUCTION WORK SHALL BE DONE IN A THOROUGH AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND CONSTRUCTION DRAWINGS. THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE SHALL BE FOLLOWED EXCEPT WHERE LOCAL REGULATIONS ARE MORE STRINGENT, IN WHICH CASE LOCAL REGULATIONS SHALL GOVERN. ALL EQUIPMENT TO INSTALL SHALL BE PRE-APPROVED BY PREPA.
- 2 THE BIDDER SHALL VISIT THE JOB SITE AND BECOME ACQUAINTED WITH THE EXISTING FIELD CONDITIONS. IT IS THE RESPONSIBILITY OF THE BIDDER TO BRING TO THE ATTENTION OF THE ENGINEER ANY DISCREPANCIES BETWEEN THE EXISTING FIELD CONDITIONS AND "AS BUILT PLANS" BEFORE SUBMITTING HIS BID SO THAT THE ENGINEER CAN RENDER A DECISION ON THE MATTER BEFORE THE BIDS ARE RECEIVED. THE SUBMITTAL OF THE BID WILL BE TAKEN AS PROOF THAT THE BIDDER UNDERSTANDS THOROUGHLY AND COMPLETELY THE SCOPE OF THE WORK TO BE EXECUTED, HAS FAMILIARIZED HIMSELF WITH THE EXISTING FIELD CONDITIONS, AND HAS INCLUDED ON HIS BID ALL THE NECESSARY ITEMS TO PERFORM THE ELECTRICAL WORK AND LEAVE ALL EQUIPMENT INSTALLED, CONNECTED, AND WORKING PROPERLY WITHOUT ANY ADDITIONAL COST TO THE OWNER. UNLESS OTHERWISE SPECIFIED, BIDDERS SHALL ASSUME MINIMUM REQUIREMENTS BY PREPA AND THE NEC TO PERFORM AND COMPLETE WORK.
- 3 ALL DAMAGE CAUSED BY THE CONTRACTOR DURING THE EXECUTION OF THE WORK INCLUDED IN THIS CONTRACT WILL BE REPAIRED AS REQUIRED BY THE OWNERS REPRESENTATIVE AT THE CONTRACTOR’S EXPENSE.
- 4 NO WIRE SHALL BE SMALLER THAN NO. 12 AWG. EXCEPT FOR RUNS LONGER THAN 75 FEET. IN THAT CASE USE WIRE NO SMALLER THAN NO.10 AWG THHN 600 V. ALL CONDUCTORS IN FEEDERS SCHEDULE ARE TYPE THHN EXCEPT AS INDICATED. UP TO NO.10 AWG. USE WIRE, ALL LARGER SIZES USE CABLE.
- 5 NO CONDUIT SHALL BE SMALLER THAN 3/4 EXCEPT OTHERWISE INDICATED.
- 6 ALL CUTTING ON WALLS, FLOORS AND CEILINGS SHALL BE PATCHED, RESTORED AND PAINTED TO ORIGINAL CONDITIONS OR AS REQUIRED BY ARCHITECTURAL SPECS.
- 7 INDICATED HEIGHTS ARE FROM CENTER OF BOX OR EQUIPMENT TO FIN. FLOOR EXCEPT AS OTHERWISE INDICATED. CONTRACTOR SHALL CONSULT WITH ENGINEER WHEN EXACT LOCATION OF EQUIPMENT IS NOT SHOWN OR SPECIFIED ON PLANS.
- 8 PROVIDE A NO.12 TW GREEN BONDING JUMPER BETWEEN EACH OUTLET BOX GROUNDING SCREW AND WIRING DEVICE GRD. TERMINAL EXCEPT IN ISOLATED RECEPTS.
- 9 ROUTE OF CONDUITS SHOWN IN LAYOUT IS SCHEMATIC AND INTENDED ONLY TO INDICATED INTERCONNECTIONS BETWEEN OUTLETS. EXACT ROUTING SHALL BE DETERMINED BY BIDDERS TO CONFORM W/STRUCTURAL CONDITIONS & LEAVE CONCEALED IN CONCRETE ALL INSTALLATION. BIDDERS ARE RESPONSIBLE TO VISIT SITE AND DETERMINE APPROPRIATE ROUTING. NO CLAIM WILL BE PERMITTED FOR DEVIATIONS IN ROUTE OF CONDUITS AND CABLES.
- 10 ALL WORK SHALL BE DONE ACCORDING TO PREPA STANDARDS AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- 11 THE CONTRACTOR SHALL CONNECT AND LEAVE IN PERFECT WORKING ORDER THE ELECTRIC SYSTEMS FOR THIS PROJECT. CONTRACTOR SHALL RELOCATE ALL EXISTING ELECTRICAL, TELEPHONE & CABLE TV AERIAL LINES & LEAVE ALL SYSTEMS WORKING PROPERLY. THE CONTRACTOR IS RESPONSIBLE TO CONTACT AGENCIES AND ASSUME RESPONSABILITY OF ALL COORDINATION AS PART OF THIS CONTRACT. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH CENTENNIAL’S, PREPA’S, PR TELEPHONE’S, AND CABLE TV’S OFFICES ALL WORK NECESSAARY TO LEAVE THESE SERVICES WORKING PROPERLY. CONTRACTOR IS ALSO RESPONSIBLE TO PERFORM ALL PAPERWORK AND OBTAIN THE NECESSARY PERMITS FROM ALL AGENCIES TO PERFORM ALL WORK DESCRIBED IN THIS PROJECT. A LETTER OF ACCEPTANCE OF EVERY AGENCY INVOLVED SHALL BE SUBMITTED BEFORE FINAL COMPLETION.
- 12 USE SLATER MEDALIST LINE WIRING DEVICES & PLATES FOR ALL SWITCHES AND RECEPTACLES SPECIFIED.
- 13 EXACT LOCATION OF ALL LIGHTING FIXTURES SHALL BE COORDINATED WITH ALL OTHER TRADES.
- 14 WIRING SHALL BE COLOR CODED AS FOLLOWS:
 - 208/120 VOLT SYSTEM
 - PHASE A – BLACK
 - PHASE B – RED
 - PHASE C – BLUE
 - NEUTRAL – WHITE
 - GROUND – GREEN
- 15 CONTRACTOR SHALL COORDINATE NEW CONDUITS ROUTING AS TO AVOID INTERFERENCE WITH MECHANICAL EQUIPMENT.
- 16 OUTLET BOXES SHALL BE AS FOLLOWS: 5 TO 9 WIRES 4" x 4" x 2 1/8".
- 17 HANGING LUMINARIES ON EXPOSED CEILING SHALL BE HANGED BY RIGID GALVANIZED PIPING.
- 18 ALL WIRES SHALL BE COPPER, INSULATED AS NOTED, UNLESS OTHERWISE INDICATED.
- 19 EVERY CONDUIT SHALL CARRY A GREEN GROUND WIRE, SAME GAUGE AS THE OTHER WIRES EXCEPT OTHERWISE INDICATED.
- 20 ALL EXPOSED CONDUIT SHALL BE RIGID GALV. EXCEPT OTHERWISE INDICATED OR NOT ALLOWED BY THE N.E.C.
- 21 ALL CONDUITS CONCEALED INSIDE CONCRETE SHALL BE PVC SCHEDULE 40.
- 22 USE EMT FOR BRANCH CKT, INTERIOR LIGHTING CKTS & TELEPHONE CKTS CONDUITS RUNNING EXPOSED ABOVE ARCHITECTURAL CEILING (IN PLENUM).
- 23 THE ENTIRE CONDUIT SYSTEM SHALL BE THOROUGHLY GROUNDED AND TESTED FOR CONTINUITY.
- 24 CONTRACTOR SHALL COORDINATE WITH OWNER EXACT LOCATION OF LAMPS & RECEPTACLES BEFORE INSTALLATION.
- 25 ALL EQUIPMENT SHALL BE GROUNDED.
- 26 CONTRACTOR SHALL TEST ALL GROUNDING SYSTEM.