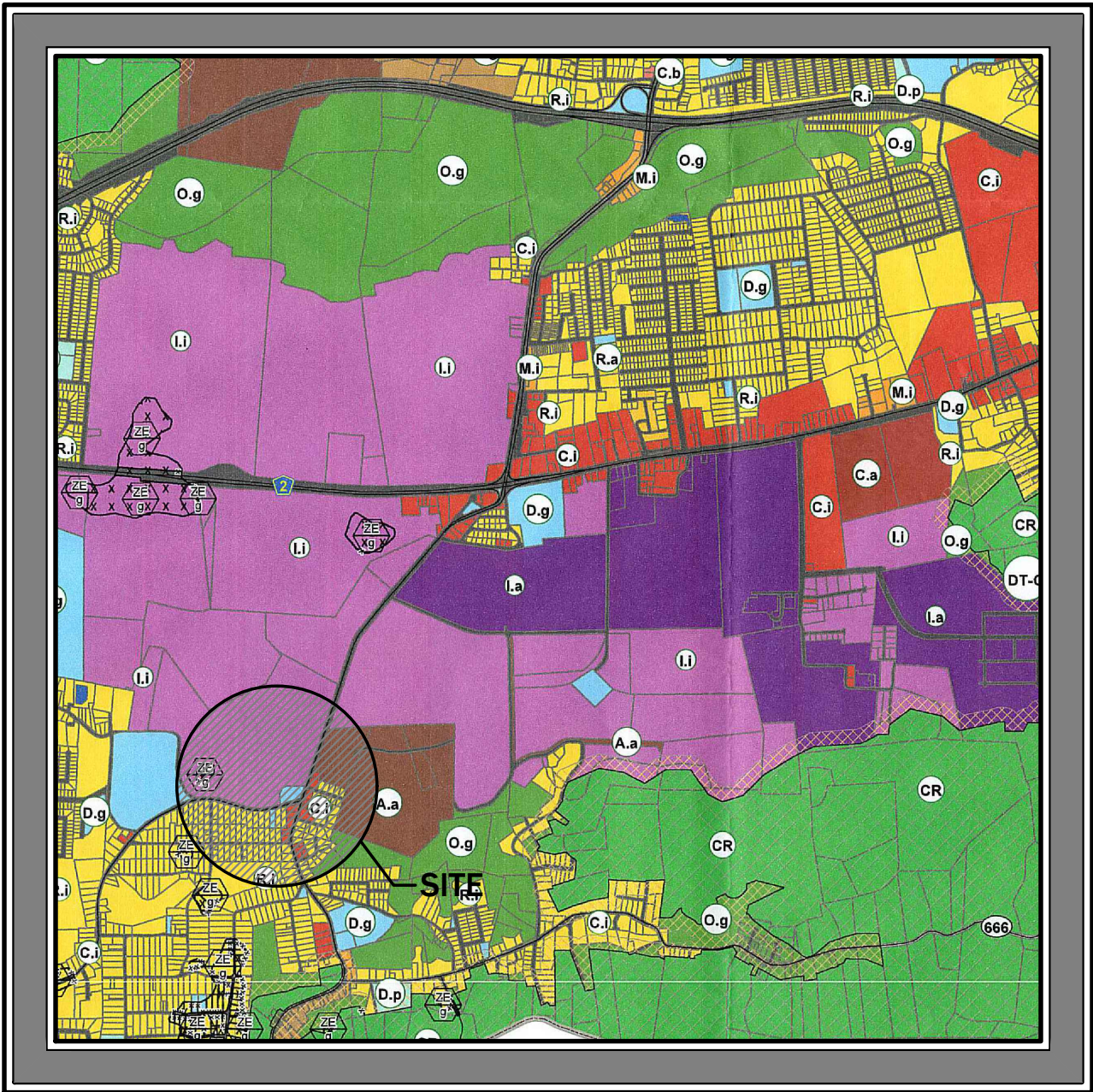


Index of Drawings

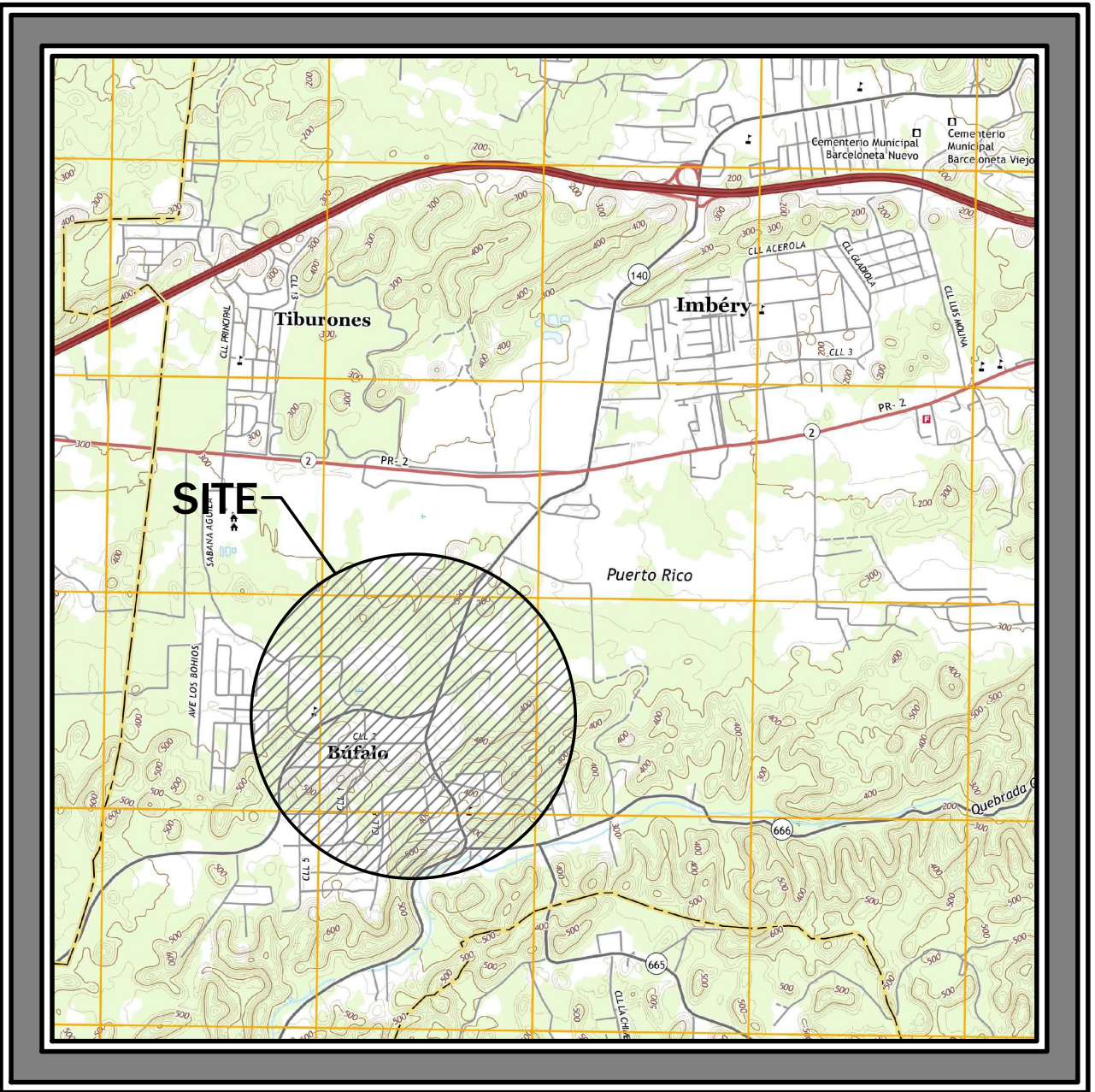
No. Sht.	No. Dwg.	Title
1	TS-1	TITLE SHEET & LOCATION MAP
2	C-101.0	EXISTING SITE PLAN
3	A-101.0	EXISTING STRUCTURE ENLARGED PLAN
4	A-101.1	PROPOSED SITE PLAN & TYPICAL DETAILS
5	E-1	ONE LINE DIAGRAM & GENERAL NOTES



Flood Map
Scale: 1:10,000
Map Number:
72000C0265H
Effective Date:
19 April, 2005



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



Location Map
Scale: 1:20,000
Lambert Coordinates:
X = -66.57212095
Y = 18.42116111

FINAL DRAWINGS - PROYECTOS DE RECUPERACIÓN

NEW BACKUP GENERATOR BO. MAGUEYES COMMUNITY CENTER

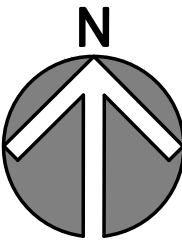
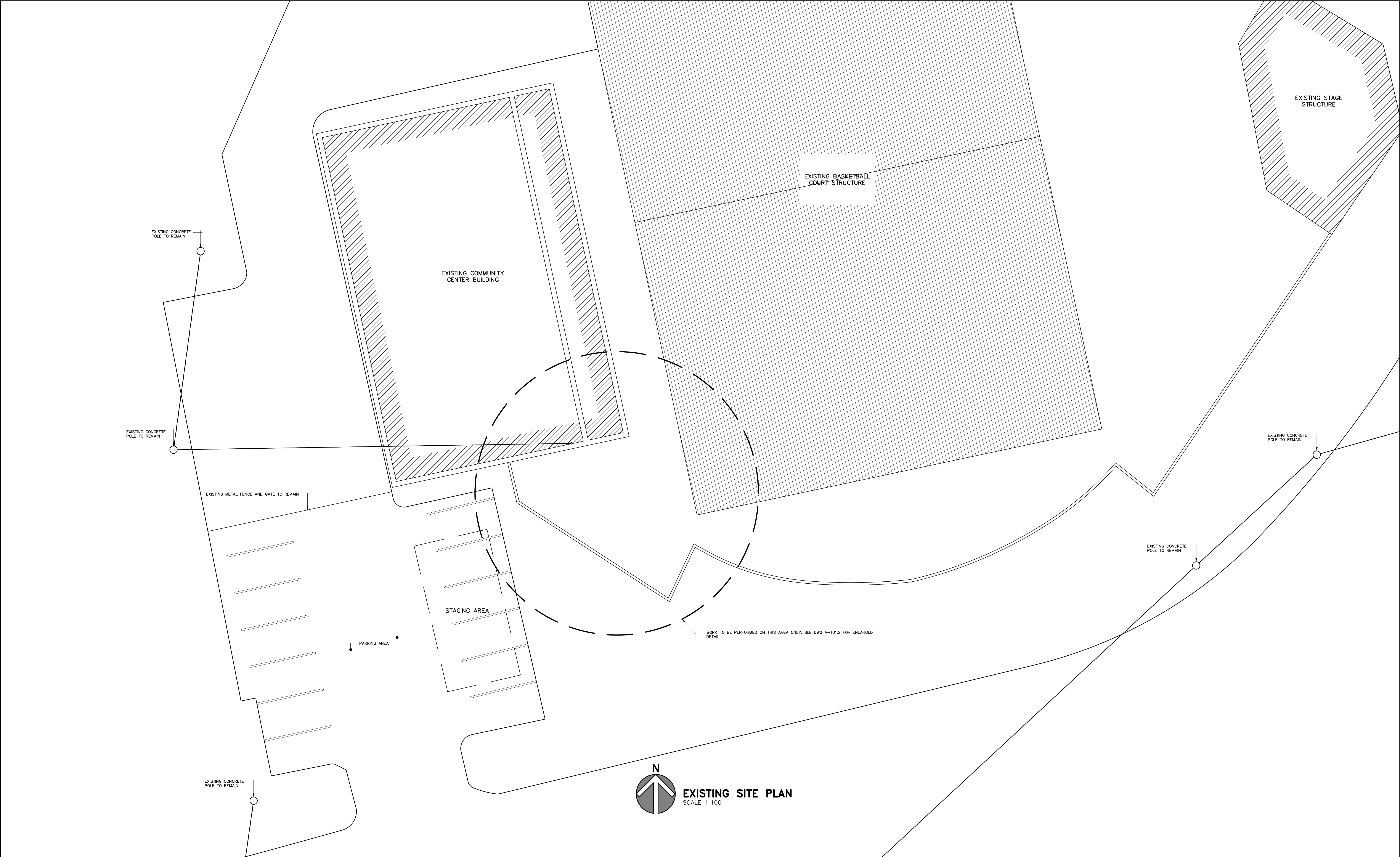
BO. MAGUEYES CARR. 140 INT. 664

BARCELONETA, P.R.

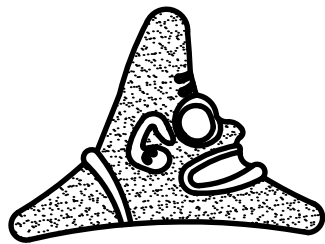
50 KW AC DIESEL GENERATOR

DATE: DECEMBER 2024





EXISTING SITE PLAN
SCALE: 1:100



Engineering, P.S.C.
TEL. (787) 667-3611

FINAL DRAWINGS - PROYECTOS DE RECUPERACIÓN
NEW BACKUP GENERATOR BO. MAGUEYES COMMUNITY CENTER
BO. MAGUEYES CARR. 140 INT. 664 BARCELONETA, P.R.

CERTIFIED BY:



CERTIFICATION – SECTION 2.1.9.2.k

Yo, Ing. Miguel San Miguel Torres, LIC. 11838, certifico que soy el profesional que diseñó estos planos y las especificaciones complementarias. También certifico que entiendo que dichos planos y especificaciones cumplen con las disposiciones aplicables del Reglamento Conjunto y las disposiciones aplicables de los Reglamentos y Códigos de las Agencias, Juntas Reguladoras o Corporaciones Públicas con jurisdicción. Reconozco que cualquier declaración falsa o falsificación de los hechos que se haya producido sin conocimiento o por negligencia ya sea por mí, mis agentes o empleados, o por otras personas con mi conocimiento, me hacen responsable de cualquier acción judicial y disciplinaria por la OJFE y otras autoridades competentes, incluyendo, pero sin limitarse, la terminación de la participación en los procedimientos de certificación profesional en la OJFE.

PROJECT NO.

DRAWN BY:

LICENSED NO.:

CHECKED BY:

REVISIONS		
NO.	DESCRIPTION	DATE

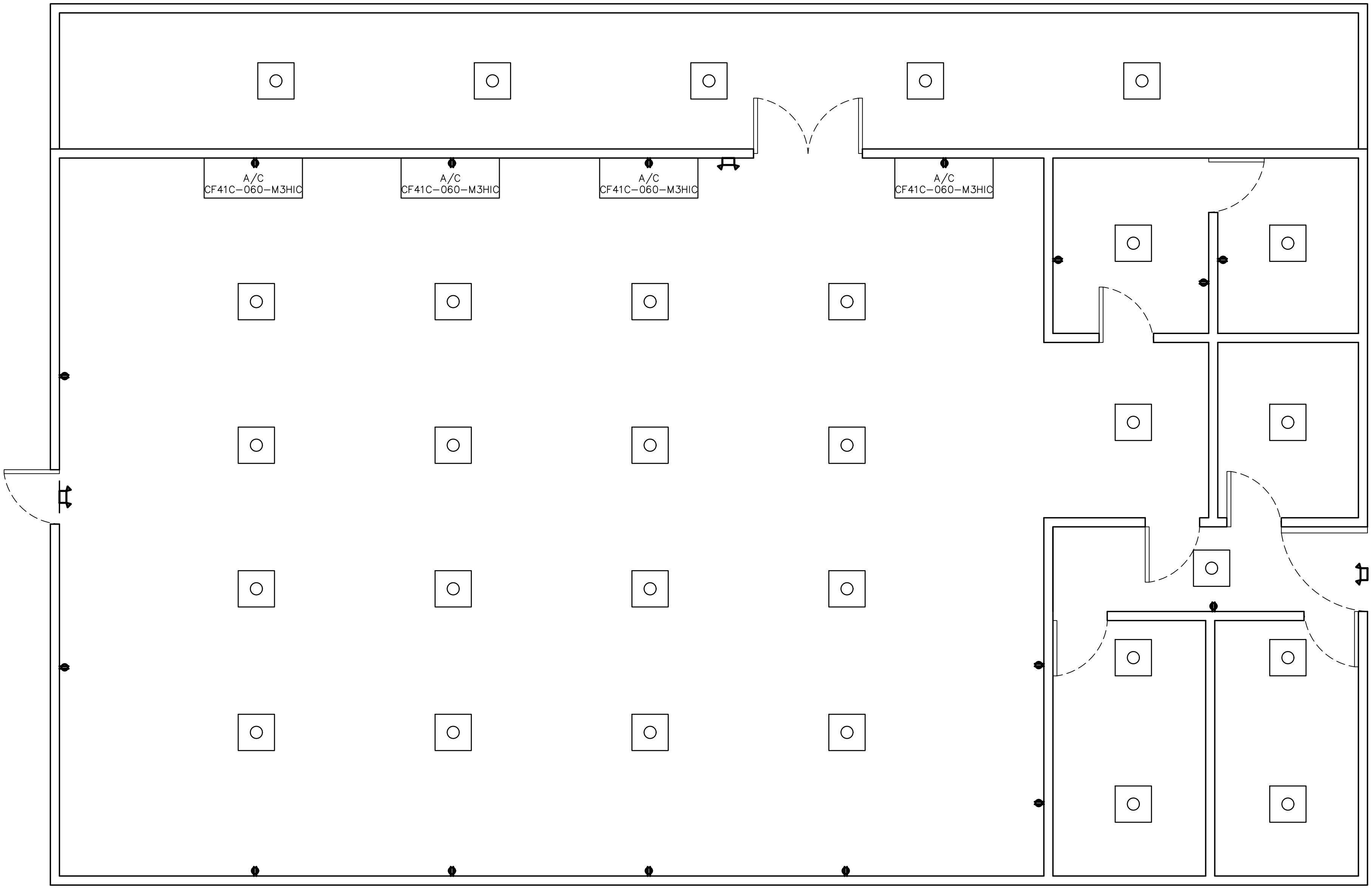
DRAWING TITLE:

EXISTING SITE PLAN

DATE: DECEMBER, 2024 SCALE: 1:100

DRAWING NO.: SHEET NO.:

C-101.0 02



- LEGEND
- FUTURE SURFACE MOUNTED 2'X4' LED LAMP
 - EXISTING SURFACE MOUNTED 1'X4' LAMP
 - EXISTING SURFACE MOUNTED 2'X2' LAMP
 - EXISTING EMERGENCY LAMP
 - EXISTING 120V DUPLEX RECEPTACLE, GF FOR GROUND FAULT, WP FOR WATERPROOF
 - EXISTING WALLPACK LAMP
 - EXISTING MAIN DISTRIBUTION POWER PANEL
 - EXISTING WATER FOUNTAIN
 - EXISTING WALL MOUNTED FAN

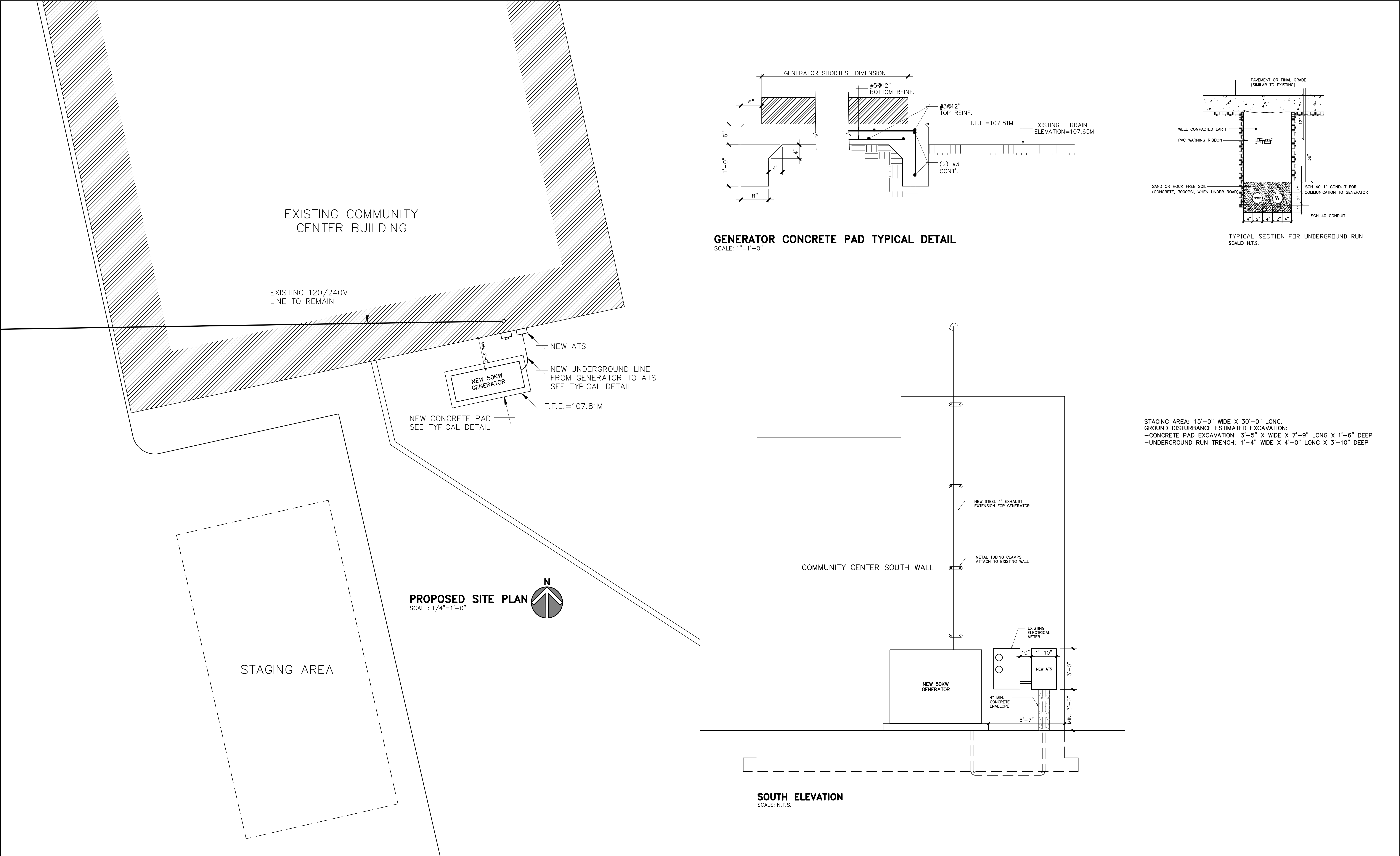
EXISTING COMMUNITY CENTER STRUCTURE ENLARGED PLAN
SCALE: 1/4"=1'-0"

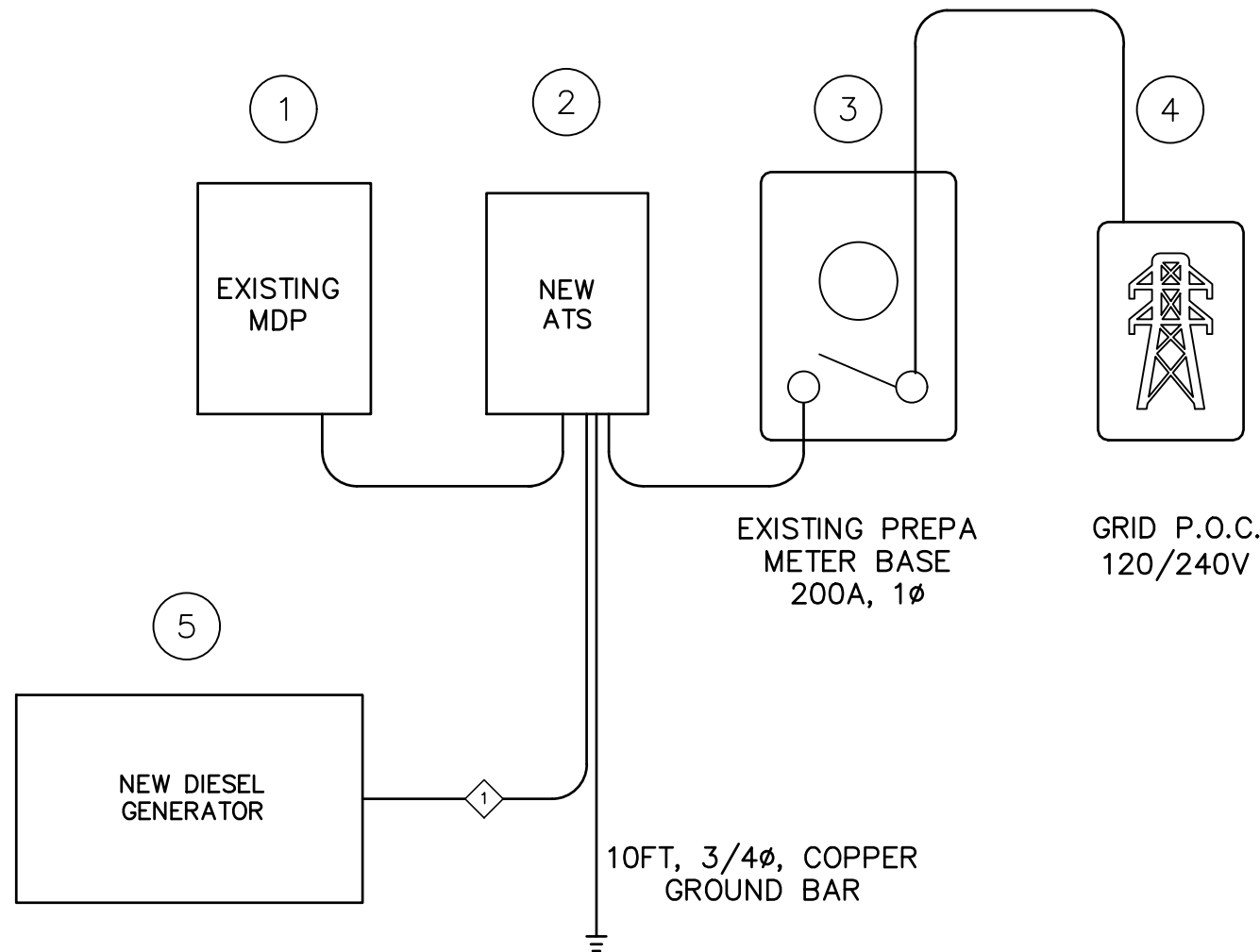
WORK TO BE PERFORMED

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:			

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





ELECTRICAL ONE – LINE DIAGRAM
N.T.S.

- 1 EXISTING MDP OUTSIDE COMMUNITY CENTER, 1Ø, 120/240V TO REMAIN
- 2 NEW ATS, EQUAL OR SIMILAR TO GENERAC TX611 SERIES; 3R ENCLOSURE, 200AMP. TWO YEAR EXTENDED STANDARD WARRANTY.
- 3 EXISTING PREPA/LUMA METER BASE, 1Ø, 120/240V, 200AMP TO REMAIN
- 4 EXISTING PREPA/LUMA, 1Ø, 120/240V, ELECTRICAL LINES TO REMAIN
- 5 NEW 50KW DIESEL GENERATOR WITH LEVEL 1 SOUND ATTENUATED ENCLOSURE EQUAL OR SIMILAR TO GENERAC SD050, SINGLE PHASE, 120/240V. 132 GALS DUAL WALL TANK (MINIMUM). TWO YEAR EXTENDED STANDARD WARRANTY.
ENCLOSURE SHALL HAVE A 200MPH WIND LOAD RATING CERTIFIED BY MANUFACTURER.

WIRING SCHEDULE

- 1 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.

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 RECEPITS.
- 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.