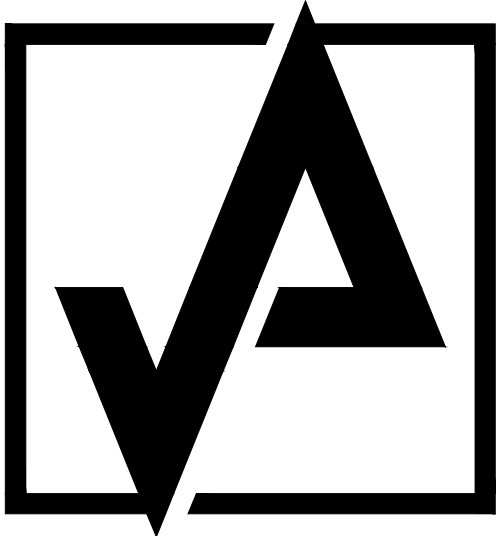


PROJECT DESIGN BY:



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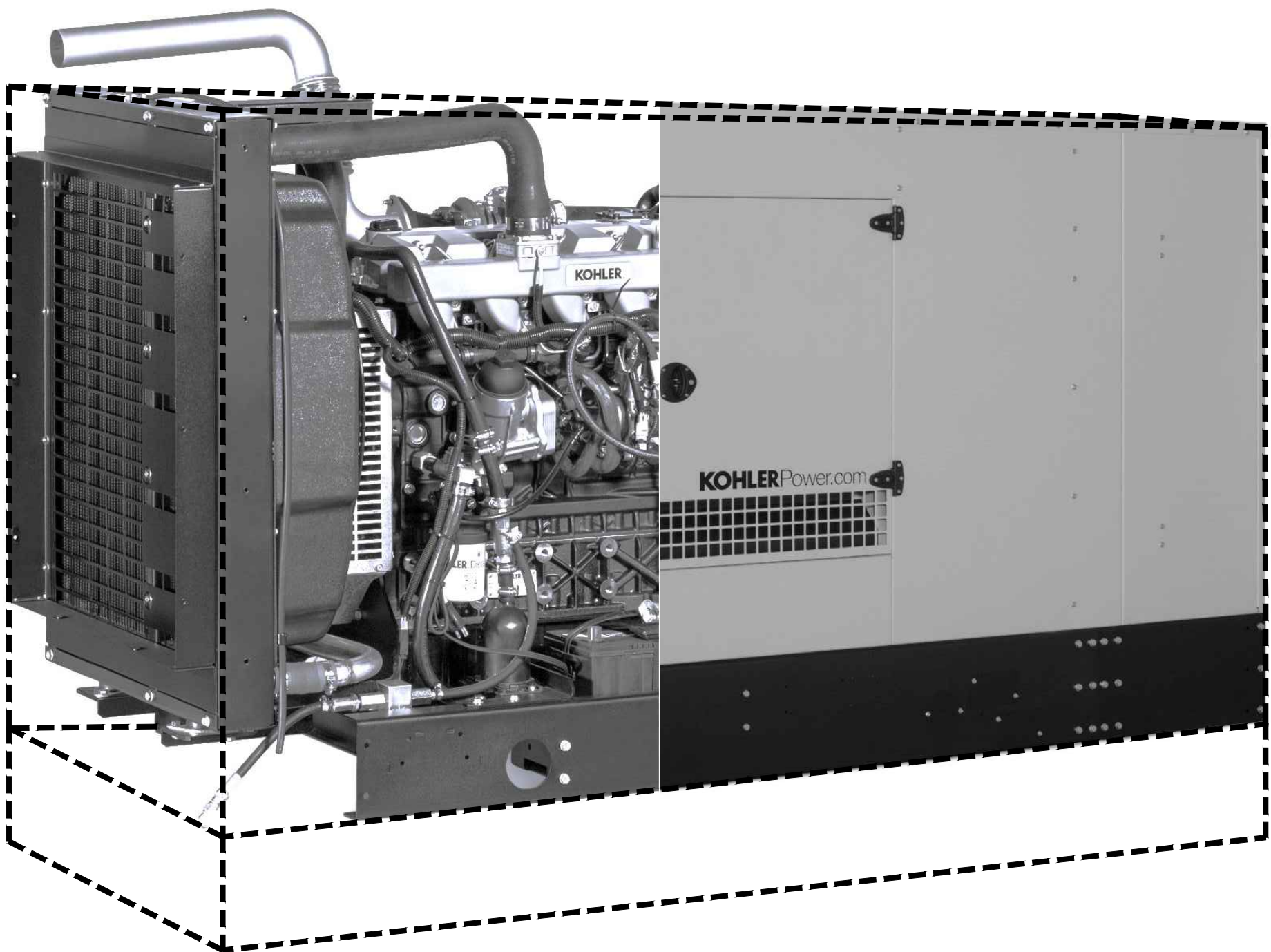


COMMUNITY COLLEGE OF RHODE ISLAND

FIELD HOUSE GENERATOR
REPLACEMENT & ELECT
INFRASTRUCTURE UPDATE

KNIGHT CAMPUS
400 EAST AVENUE
WARWICK, RI 02886

FEBRUARY 17, 2025
FOR CONSTRUCTION



INDEX OF DRAWINGS

ISSUE DATE	DWG NO	DESCRIPTION
02/17/2025	D1.1	FIELD HOUSE DEMOLITION SITE & FLOOR PLANS, ELEVATION AND NOTES
02/17/2025	A1.1	FIELD HOUSE SITE & FLOOR PLANS, ELEVATION, DETAILS AND NOTES
02/17/2025	S1.1	CONCRETE PADS STRUCTURAL PLAN, SECTIONS AND NOTES
02/28/2025	E0.01	GENERAL NOTES, SYMBOLS AND ABBREVIATIONS
02/28/2025	E0.02	SINGLE-LINE DIAGRAM - GENERATOR NEW WORK
02/28/2025	E0.03	SINGLE-LINE DIAGRAM - GENERATOR DEMOLITION
02/28/2025	E0.04	SINGLE-LINE DIAGRAM - GENERATOR REPLACEMENT
02/28/2025	E0.05	SINGLE-LINE DIAGRAM - SWITCHBOARD REPLACEMENT (ADD ALTERNATE)
02/28/2025	E0.06	SINGLE-LINE DIAGRAM - 208V SWITCHBOARD REPLACEMENT (ADD ALTERNATE)
02/28/2025	E0.11	GENERATOR CONDUIT DIAGRAM
02/28/2025	E1.00	ELECTRICAL SITE PLAN - PAD AND GENERATOR
02/28/2025	E1.01	FLOOR PLAN - GENERATOR NEW WORK
02/28/2025	E1.02	FLOOR PLAN - GENERATOR DEMOLITION
02/28/2025	E1.03	FLOOR PLAN - FINAL GENERATOR WORK
02/28/2025	E2.00	ELECTRICAL SITE PLAN - TRANSFORMER
02/28/2025	E2.01	FLOOR PLAN - TRANSFORMER NEW WORK
02/28/2025	E2.02	FLOOR PLAN - TRANSFORMER DEMOLITION
02/28/2025	E2.03	FLOOR PLAN - SWITCHBOARD NEW WORK (ADD ALTERNATE)
02/28/2025	E3.01	DETAILS

ABBREVIATIONS INDEX

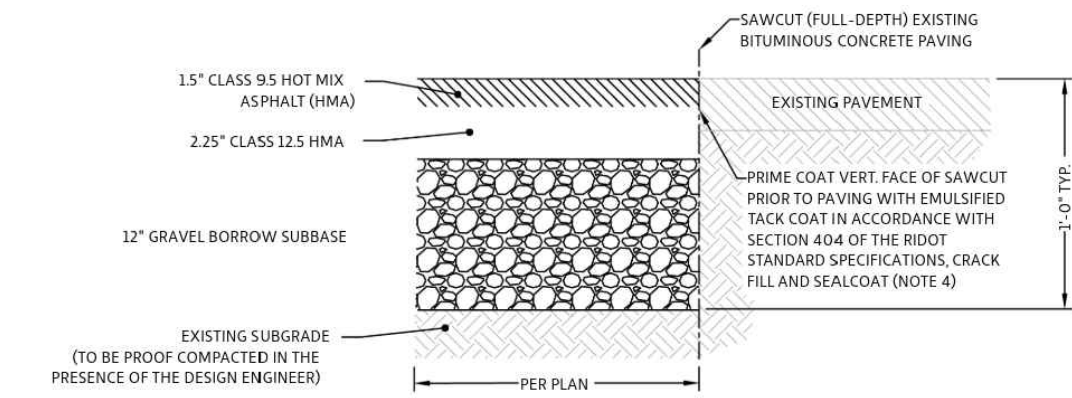
#	AND	DN	DOWN	ID	INSIDE DIAMETER	PLAM	PLASTIC LAMINATE	STD	STANDARD
@	AT	DR	DOOR	INSUL	INSULATION	PLUMB	PLUMBING	STL	STEEL
A/C	AIR CONDITIONING	DS	DOWNSPOUT	INT	INTERIOR	PLYWD	PLYWOOD	STRUCT	STRUCTURAL
AF	ABOVE FLOOR	DWG	DRAWING	JT	JOINT	FR	PAIR	SUSP	SUSPENDED
ALUM	ALUMINUM	EA	EACH	KIT	KITCHEN	PROP	PROPERTY	TBD	TO BE DETERMINED
ALT	ALTERNATIVE	EL	ELEVATION	LAM	LAMINATE	PSF	PER SQUARE FOOT	TEL	TELEPHONE
APPROX	APPROXIMATE	ELEG	ELECTRICAL	LAV	LAVATORY	PSI	PER SQUARE INCH	THK	THICK
BD	BOARD	EQ	EQUAL	LT	LIGHT	PT	PRESSURE TREATED	THRU	THROUGH
BLS	BELOW GRADE	EQUIP	EQUIPMENT	MAS	MASONRY	PTD	PAINTED	TOP	TOP OF FLATE
BN	BUILDING	ETR	EXISTING TO REMAIN	MAX	MAXIMUM	PVC	POLYVINYL CHLORIDE	TOS	TOP OF STEEL
BSMT	BASMENT	EXIST	EXISTING	MECH	MECHANICAL	QT	QUARRY TILE	TOSL	TOP OF SLAB
BTWN	BETWEEN	EXT	EXTERIOR	MTL	METAL	QTY	QUANTITY	TRT	TREATED
BOT	BOTTOM	FCB	FIBER CEMENT BOARD	MANUF	MANUFACTURER	RAD	RADIUS	TYP	TYPICAL
C/L	CENTER LINE	FD	FLOOR DRAIN	MIN	MINIMUM	REF	REFRIGERATOR	UNO	UNLESS NOTED OTHERWISE
CT	CERAMIC TILE	FIN	FINISH	MISC	MISCELLANEOUS	REINF	REINFORCING	VB	VINYL BASE
CLS	CEILING	FL	FLOOR	MO	MASONRY OPENING	REV	REVISION	VCT	VINYL COMPOSITE TILE
CLO	CLOSET	FO	FACE OF	MTD	MOUNTED	REQD	REQUIRED	VERT	VERTICAL
CM	CONSTRUCTION MGR	FR	FIRE RETARDANT	NC	NOT IN CONTRACT	REQTS	REQUIREMENTS	VIF	VERIFY IN FIELD
CMU	CONCRETE MASONRY UNIT	FT	FOOT	NO	NUMBER	RES	RESILIENT	VWG	VINYL WALL COVERING
COL	COLUMN	FTB	FLOOR TILE BASE	NOM	NOMINAL	RM	ROOM	W	WITH
CONC	CONCRETE	FURN	FURNITURE	NTS	NOT TO SCALE	RO	ROUGH OPENING	WC	WATER CLOSET
CONT	CONTINUOUS	GA	GAUGE	OA	OVERALL	SCHED	SCHEDULE	WD	WOOD
CONSTR	CONSTRUCTION	GALV	GALVANIZED	OC	ON CENTER	SEC	SECTION	WFS	WATER FILTRATION SYSTEM
DEPT	DEPARTMENT	GYP BD	GYPSON BOARD	OCH	ON CENTER HORIZONTALLY	SF	SQUARE FOOT	W/O	WITHOUT
DTL	DETAIL	HWD	HARDWARE	OCV	ON CENTER VERTICALLY	SHT	SHEET	WP	WATERPROOFING
DIA/Ø	DIAMETER	HDR	HEADER	OD	OUTER DIAMETER	SIM	SIMILAR	WT	WEIGHT
DIM	DIMENSION	HM	HOLLOW METAL	OPNS	OPENING	SPEC	SPECIFICATION	WVF	WELDED WIRE FABRIC
DISP	DISPENSER	HORIZ	HORIZONTAL	OPT	OPTIONAL	SG	SQUARE		
		HST	HEIGHT	PL	PLATE	SS	STAINLESS STEEL		

GRAPHIC SYMBOLS

	INTERIOR ELEVATION NUMBER / SHEET		FRAME / WINDOW TYPE
	SECTION OR DETAIL KEY NUMBER/SHEET		EQUIPMENT TAG
	DETAIL KEY		PARTITION TYPE
	ROOM NAME		ETR CONSTRUCTION
	ROOM NUMBER		EXIST CONSTRUCTION TO BE REMOVED
	FINISH NUMBER		NEW PARTITION
	KEYED PLAN NOTE		AREA NOT IN SCOPE
	DOOR TYPE		

PROJECT COORD NOTE

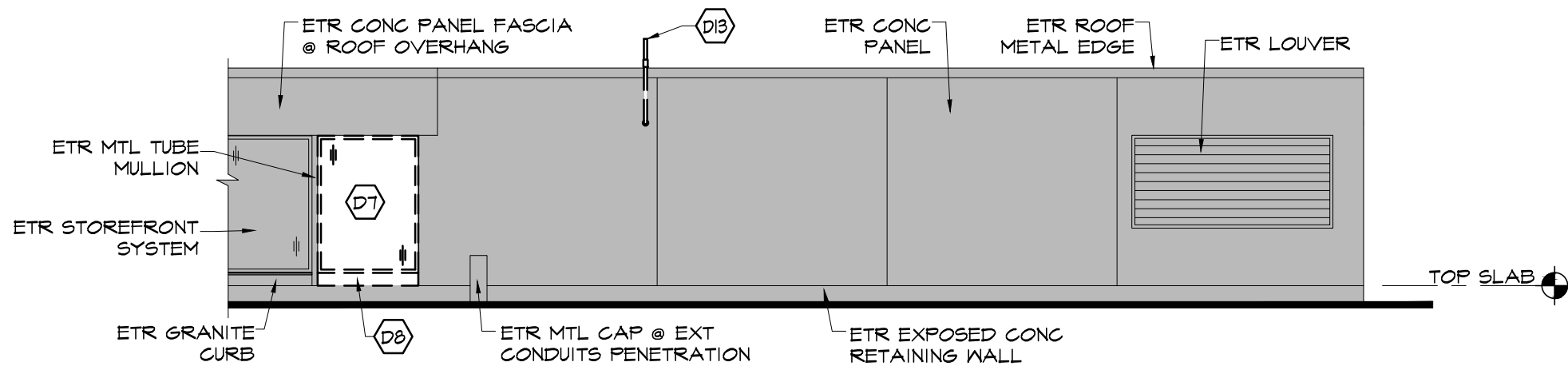
- 1) SEE ELEG DWG EQ.01 FOR ELECTRICAL WORK PHASING. GC SHALL COORDINATE ARCHITECTURAL AND STRUCTURAL WORK ACCORDINGLY.



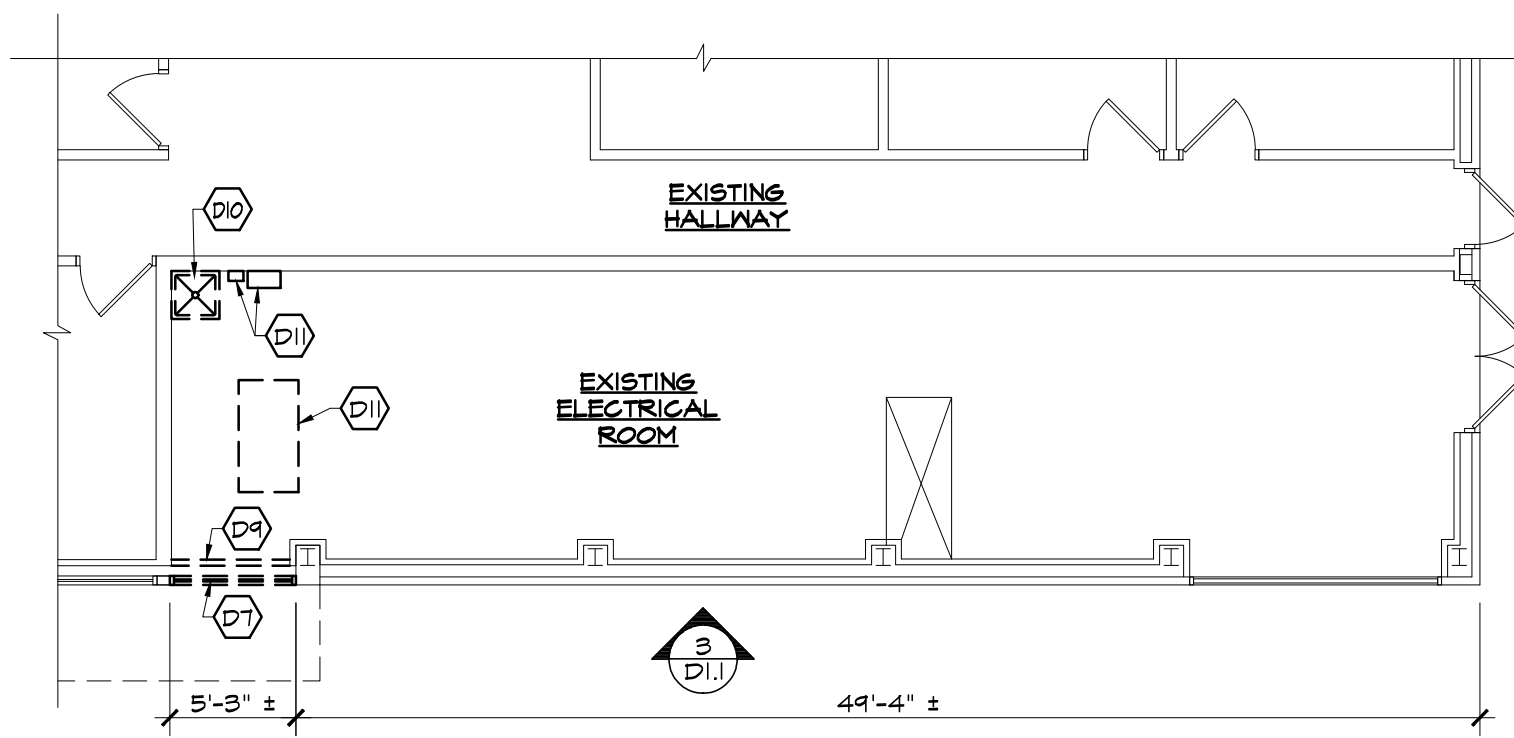
NOTES:

- THE CONTRACTOR SHALL REMOVE 15/16\"/>
- BITUMINOUS CONCRETE SHALL NOT BE PLACED ON SUBGRADE CONTAINING STANDING WATER, FROST OR ICE. SHOULD WATER, FROST OR ICE BE PRESENT AFTER SUBGRADE PREPARATION ACTIVITIES ARE COMPLETE, THE SUBGRADE SHOULD BE REMEDIATED PRIOR TO CONCRETE PLACEMENT.
- MINIMUM COMPACTION FOR GRAVEL BORROW SUB-BASE AND SUBGRADE: 95% MODIFIED PROCTOR.

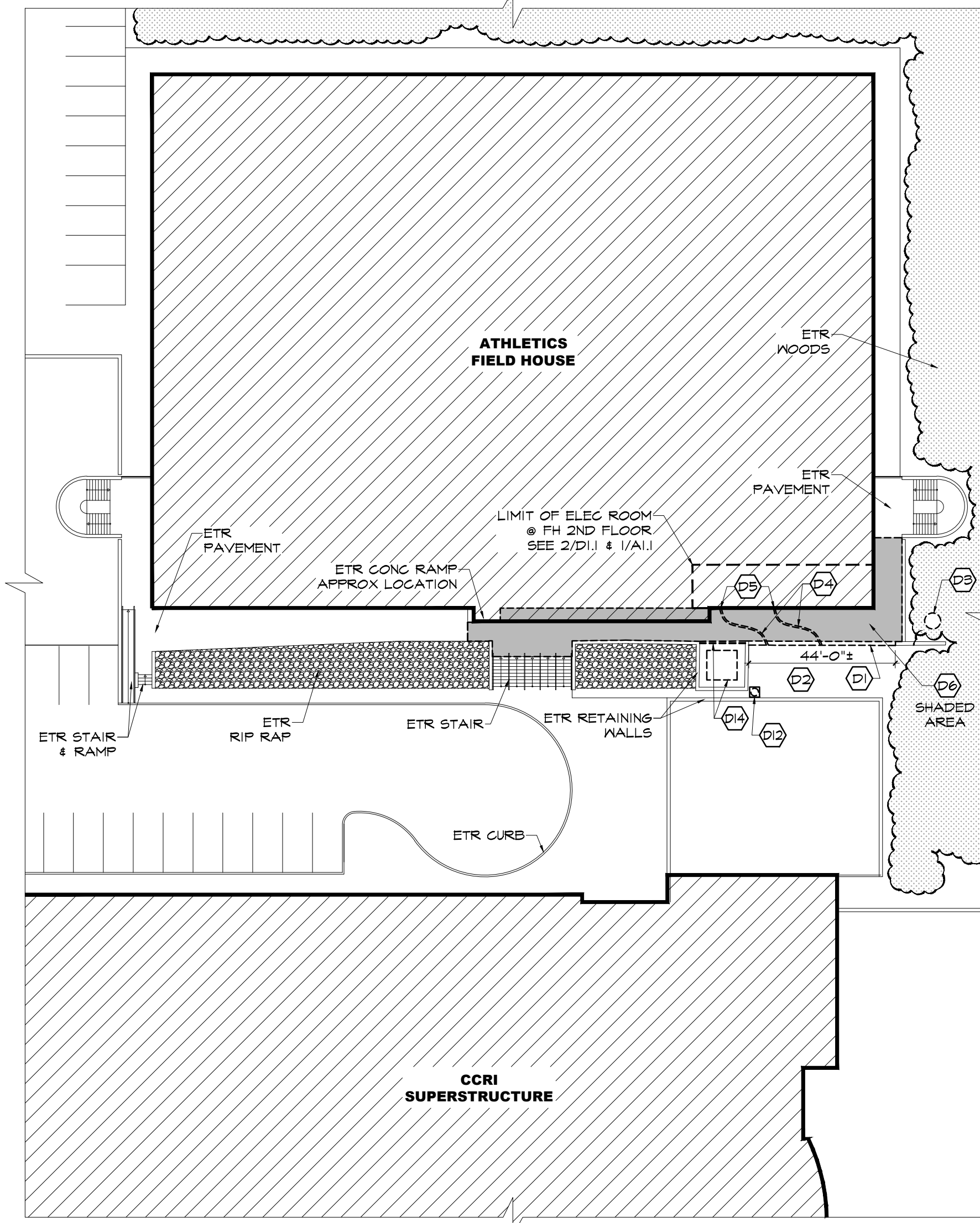
4 TYP BITUMINOUS CONC PAVEMENT DETAIL
NOT TO SCALE



3 FIELD HOUSE PARTIAL DEMO NORTH EXTERIOR ELEVATION
SCALE: 1/8\"/>



2 FIELD HOUSE ELEC ROOM DEMO FLOOR PLAN
SCALE: 1/8\"/>



1 FIELD HOUSE SCHEM DEMO SITE PLAN
SCALE: 1/32\"/>

GENERAL DEMOLITION NOTES

PROTECTION

- ALL RULES AND REGULATIONS GOVERNING THE RESPECTIVE UTILITIES SHALL BE OBSERVED IN EXECUTING ALL WORK UNDER THIS SECTION. ALL WORK SHALL BE EXECUTED IN SUCH A MANNER AS TO PREVENT ANY DAMAGE TO THE EXISTING BUILDING, SERVICE UTILITY LINES AND STRUCTURES.
- THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGES TO THE EXISTING BUILDING AS WELL AS ADJOINING PRIVATE SPACES AND PROPERTY CAUSED BY HIS SUBCONTRACTOR'S EQUIPMENT AND PERSONNEL.
- PERFORM THE WORK IN SUCH A MANNER AS TO CAUSE NO INTERFERENCE WITH ACCESS BY THIS SUBCONTRACTOR OR OTHER CONTRACTORS TO ALL PORTIONS OF THE BUILDING AS NECESSARY FOR THE NORMAL CONDUCT OF THEIR WORK.
- THE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL ITEMS SCHEDULED TO REMAIN HAVE BEEN ADEQUATELY PROTECTED. TAKE ALL POSSIBLE PRECAUTIONS TO AVOID DAMAGING THOSE ITEMS WHICH HAVE BEEN SPECIFIED BY THE OWNER TO BE SALVAGED AND/OR STOCKPILED.

PREPARATION

- NOTIFY ALL CORPORATIONS, COMPANIES, INDIVIDUALS OR LOCAL AUTHORITIES OWNING, OR HAVING JURISDICTION OVER UTILITIES RUNNING TO, THROUGH OR ACROSS AREAS TO BE DISTURBED BY DEMOLITION OPERATIONS.
- HAVE ALL UTILITY SERVICES NOT OTHERWISE DESIGNATED TO BE DISCONNECTED BY THE CONTRACTOR, DISCONNECTED AT SERVICE MAINS BY THE GOVERNING UTILITY INVOLVED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED BY THE ARCHITECT.

DEMOLITION

- DEMOLISH DESIGNATED EXISTING FEATURES ABOVE AND BELOW FLOOR LEVELS, WITHIN THE CONTRACT LIMIT LINES, AS NOTED TO PREPARE THE BUILDING FOR ALL OTHER WORK AS SPECIFIED OR AS SHOWN ON THE DRAWINGS AND AS ORDERED BY THE ARCHITECT.
- COMPLY WITH ALL STATE OF RHODE ISLAND DEPARTMENT OF HEALTH STANDARDS DURING DEMOLITION OPERATIONS.
- REMOVE AND SALVAGE MATERIAL REQ'D FOR LATER REUSE AS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ARCHITECT.
- REMOVE AND DISPOSE OF ALL UNSUITABLE MATERIAL OFF SITE. THE OWNER SHALL HAVE RIGHT OF FIRST REFUSAL FOR ALL MATERIALS. REMOVE ANY STOCKPILED MATERIAL DEEMED SURPLUS BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.
- REFER TO KEYED DEMOLITION NOTES AND THE DEMOLITION FLOOR PLAN FOR FURTHER CLARIFICATION OF ITEMS SCHEDULED FOR DEMOLITION.

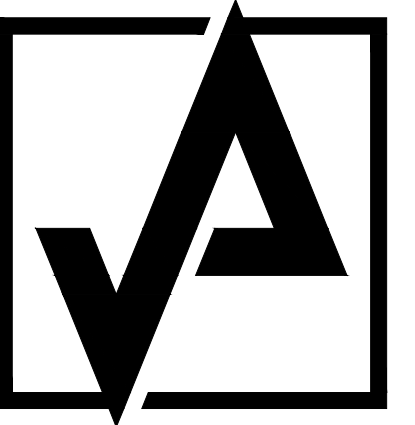
DISPOSAL AND CLEAN UP

- PROMPTLY REMOVE ANY DEMOLITION DEBRIS OR SIMILAR MATERIAL, KEEPING THE AREA CLEAN AT ALL TIMES.
- DEMOLISHED MATERIAL
 - ALL DEMOLISHED MATERIAL DECLARED UNSUITABLE BY THE ARCHITECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF THE PREMISES, UNLESS OTHERWISE INDICATED OR SPECIFIED.
 - KEEP ALL EXITS, PUBLIC WAYS AND EGRESS PASSAGEWAYS CLEAR OF ALL DEBRIS AT ALL TIMES.
- PREMISES: LEAVE THE PREMISES IN A SAFE, CLEAN AND RELATIVELY ORDERLY CONDITION UPON COMPLETION OF WORK.

DEMOLITION NOTES

ALL ITEMS SHOWN DASHED -- -- ARE TO BE REMOVED

- CUT EXIST CONG RETAINING WALL AS REQ'D TO ACCOMMODATE NEW GENERATOR CONG PAD.
- EXCAVATE, REMOVE AND DISPOSE ALL EXIST LANDSCAPE MATERIAL. CLEAN THE AREA AND ADJUST GRADE AS REQ'D TO ACCOMMODATE NEW GENERATOR AND TRANSFORMER CONCRETE PADS.
- REMOVE & DISPOSE EXIST OIL TANK AND ALL RELATED ACCESSORIES INCLUDING PAD, FOUNDATION AND FUEL LINES. GC IS RESPONSIBLE TO REMEDIATE ANY HAZMAT CONDITIONS. ALTERNATIVELY TO REMOVAL, GC MIGHT CLEAN AND ENCASE FUEL LINES PRIOR TO ABANDON.
- TRENCH GROUND AS REQ'D TO INSTALL NEW CONDUITS PER ELEG DWGS. GC SHALL COORD TRENCHING W/ OWNER FOR ROUTING OPTIONS.
- DRILL FH EXIST CONG RETAINING WALL AND SLAB AS REQ'D TO ROUTE NEW ELEC CONDUITS TO ELEC ROOM. GC SHALL COORD ANY PENETRATION AT FIELD HOUSE CONST W/ OWNER.
- REMOVE EXIST ASPHALT PAVING WITHIN LIMITS SHOWN (SHADeD AREA). GC SHALL REPAIR GRADINGS AS REQ'D TO MATCH EXISTING DRAINAGE SYSTEM. SEE 4/D.1.
- REMOVE EXIST STOREFRONT PANEL & ALUM BOTTOM FLASHING AS REQ'D TO INSTALL NEW EGRESS DOOR. REMOVE GLAZING AND RELATED FRAME AND ACCESSORIES.
- CUT & REMOVE EXIST GRANITE SILL AS REQ'D TO INSTALL NEW EGRESS DOOR.
- REMOVE EXIST PARTITION AS REQ'D TO INSTALL NEW EGRESS DOOR. PATCH AND REPAIR DISTURBED ADJACENT SURFACES TO MATCH EXIST.
- REMOVE EXIST MOP SINK. PATCH AND REPAIR SURROUNDING SURFACES TO MATCH EXIST. GC SHALL CONVERT EXIST SINK DRAIN IN AN INDIRECT DRAIN W/ FUNNEL STRAINER.
- PATCH & REPAIR TO MATCH EXIST ALL SURFACES DISTURBED BY ELEG DWGS. EXIST GENERATOR REMOVAL SHALL INCLUDE ALL ACCESSORIES AND ATTACHMENTS INCLUDING CONG CURB.
- REMOVE EXIST CONDENSER UNIT AND ALL RELATED ATTACHMENTS/ACCESSORIES AND SALVAGE FOR REINSTALLATION IN NEW LAYOUT.
- REMOVE FLUE & PATCH CONG WALL PENETRATION AS REQ'D TO MATCH ADJACENT.
- REMOVE TRANSFORMER, CONCRETE PAD, GRAVEL LAYER AND FENCE. TRANSFORMER DEMOLITION SHALL BE PERFORMED ACCORDING TO ELECTRICAL DRAWINGS.



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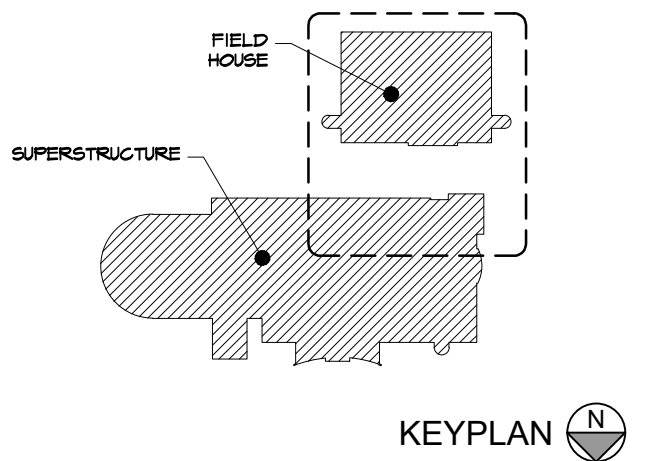
DISCLAIMER

OWNERSHIP AND USE OF DOCUMENTS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. THESE DOCUMENTS ARE NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECTS OR PURPOSES OR BY ANY OTHER PARTIES THAN THOSE PROPERLY AUTHORIZED BY CONTRACT WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT.

FOR CONSTRUCTION

REVISIONS:

NUMBER	REMARKS	DATE



KNIGHT CAMPUS
FH GENERATOR REPLACEMENT
& ELEC INFRASTRUCTURE UPDATE

400 EAST AVE
WARWICK, RI 02886
Kent County

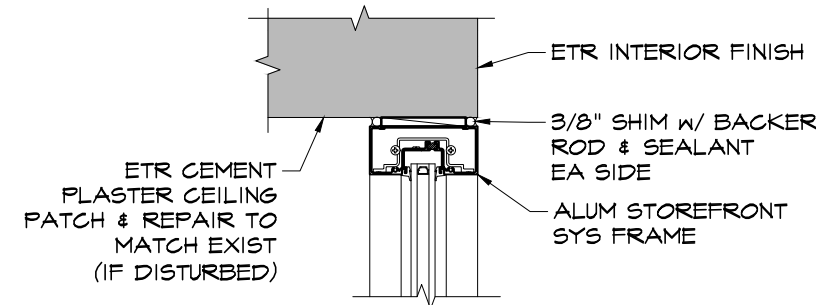
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FIELD HOUSE DEMOLITION
SITE & FLOOR PLANS,
ELEVATION AND NOTES

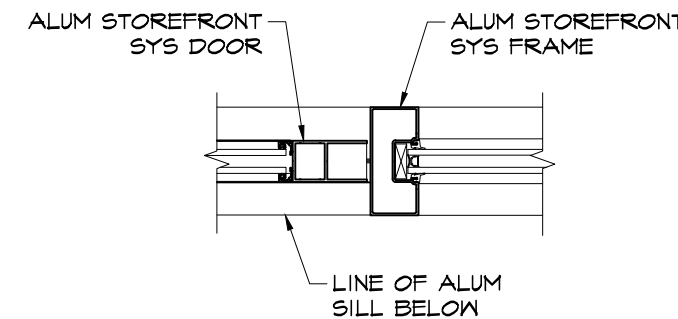
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DRAWN BY:	CHECKED BY:
AL	DH

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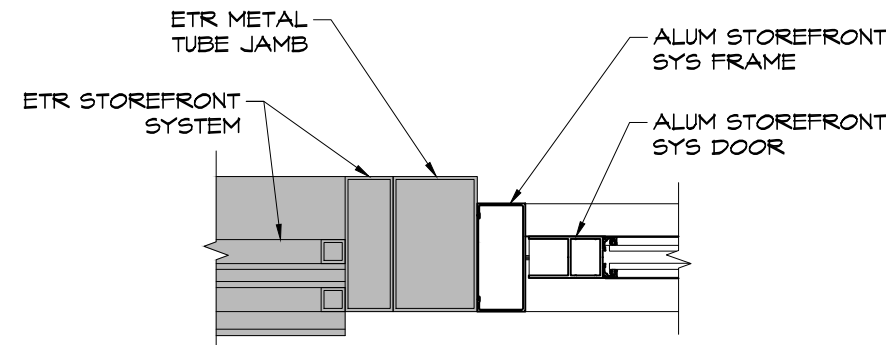
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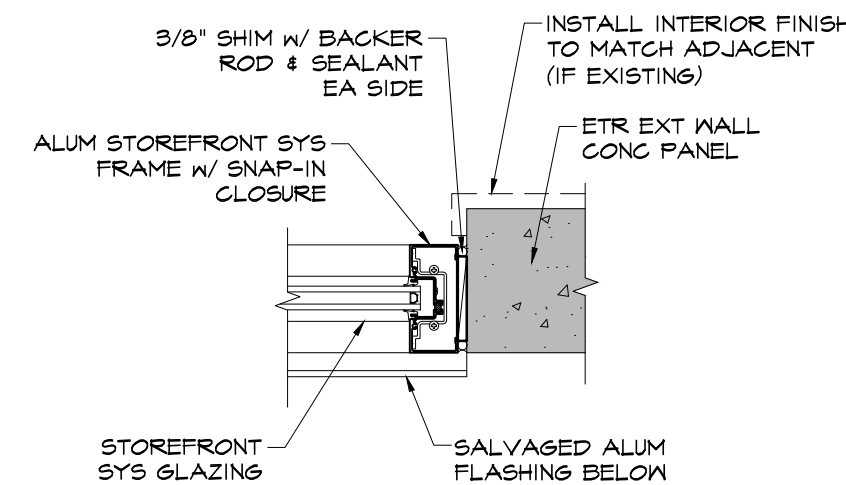
9 HEAD DETAIL
SCALE: 1/2" = 1'-0"



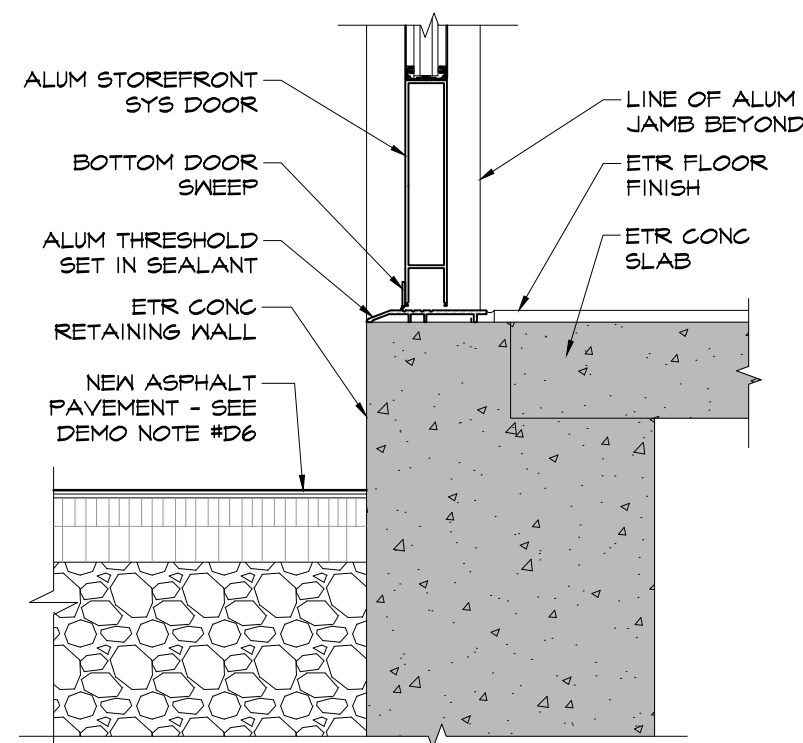
6 HEAD / JAMB DETAIL
SCALE: 1/2" = 1'-0"



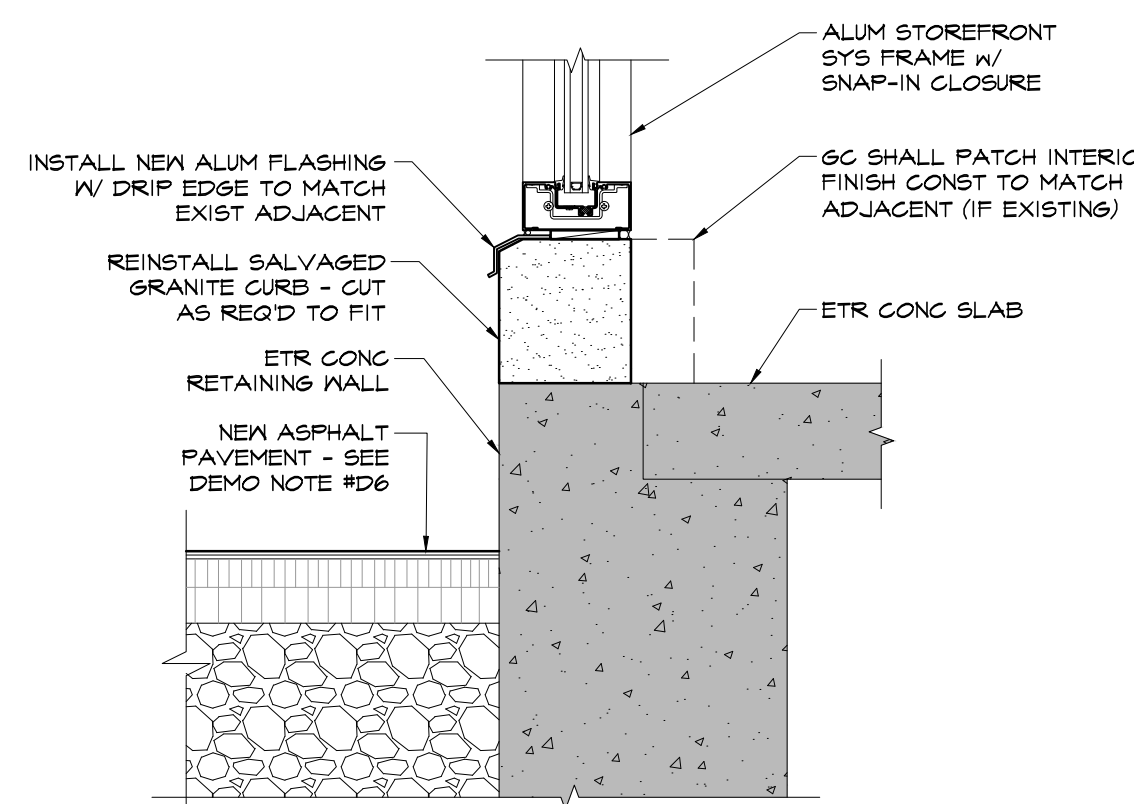
8 JAMB DETAIL
SCALE: 1/2" = 1'-0"



5 JAMB DETAIL
SCALE: 1/2" = 1'-0"



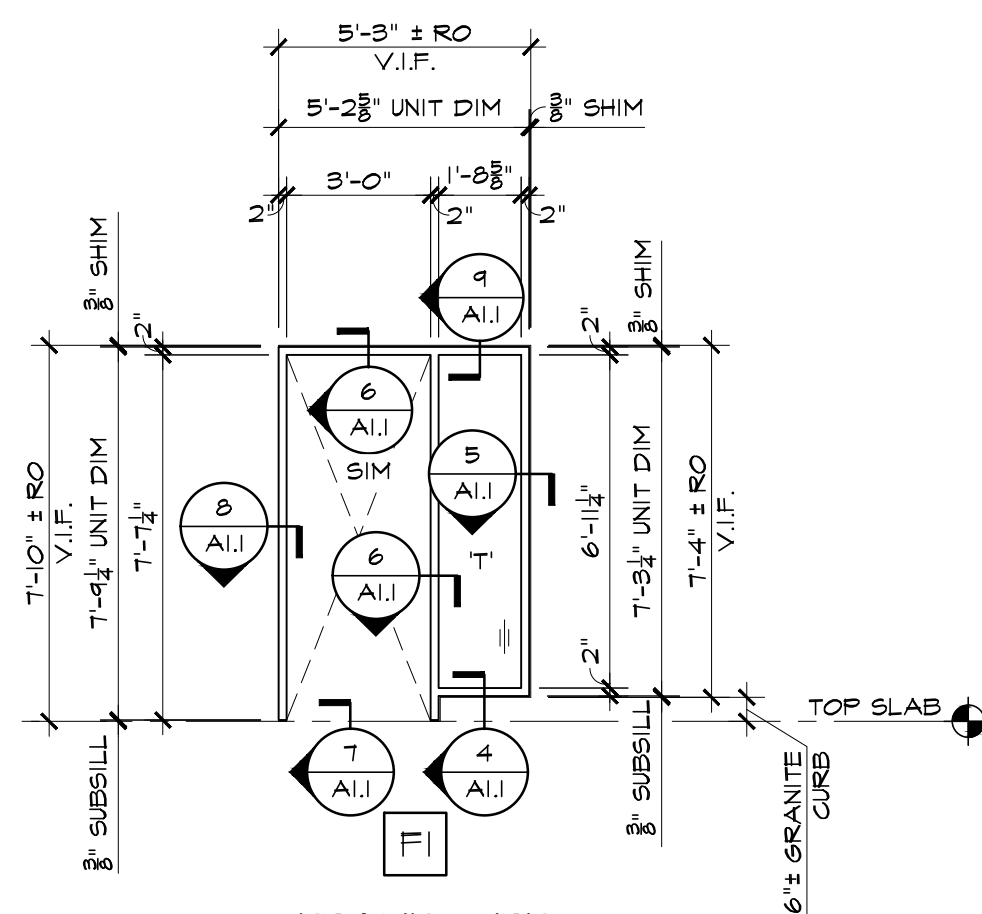
7 SILL DETAIL
SCALE: 1/2" = 1'-0"



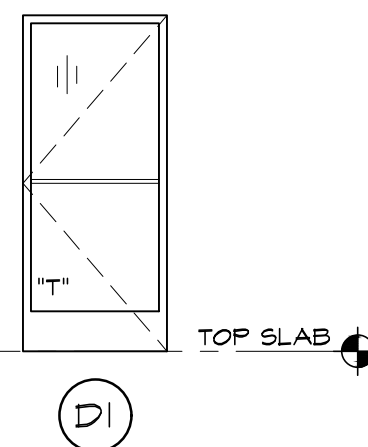
4 SILL DETAIL
SCALE: 1/2" = 1'-0"

DOOR SCHEDULE

MARK/LOCATION		DOOR						FRAME						HDW	REMARKS
No	ROOM (FROM / TO)	TYPE	WIDTH	HEIGHT	THICK	MAT	FINISH	HEAD DTL	JAMB DTL	SILL DTL	TYPE	MAT	FINISH	SET	
100	ELEC ROOM / EXTERIOR	D1	3'-0"	7'-1 1/2"	1 3/4"	ALUM/GL	CLEAR ANODIZED	6 & 9/A1.1	5 & 8/A1.1	4 & 7/A1.1	F1	ALUM	CLEAR ANODIZED	E-1	SEE PROJ MANUAL FOR HARDWARE SET



FRAME TYPE
SCALE: 1/4" = 1'-0"



DOOR TYPE
SCALE: 1/4" = 1'-0"

SEALANTS NOTE:

REFER TO PROJECT MANUAL FOR SURFACE PREPARATION, INSTALLATION AND SPECIFICATION OF SEALANTS REQUIRED AT ALL JOINTS AND PENETRATIONS RELATED TO THE SCOPE OF WORK.

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

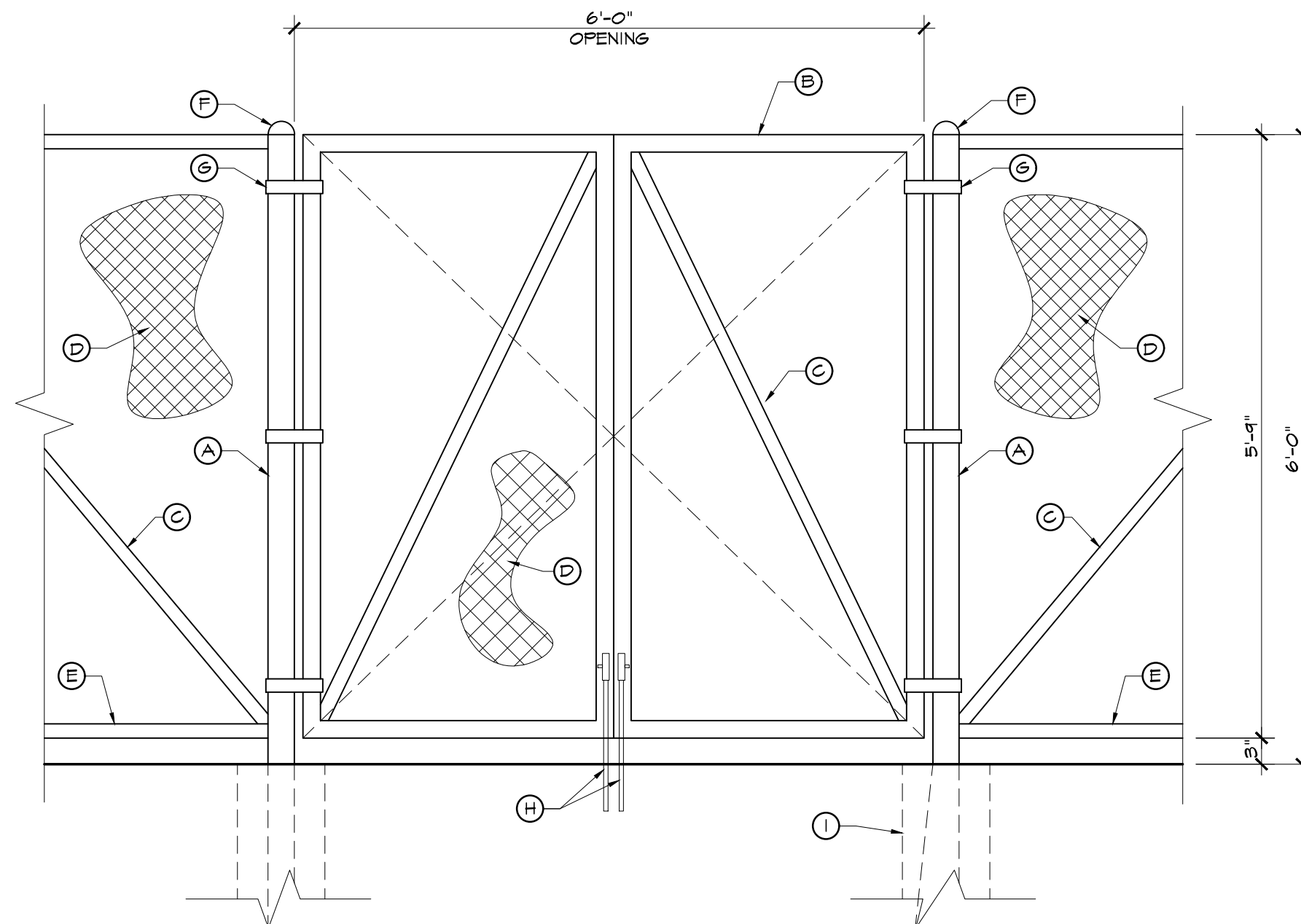
CHAPTER 2: SCOPING REQUIREMENTS

SECTION 203: GENERAL EXCEPTIONS

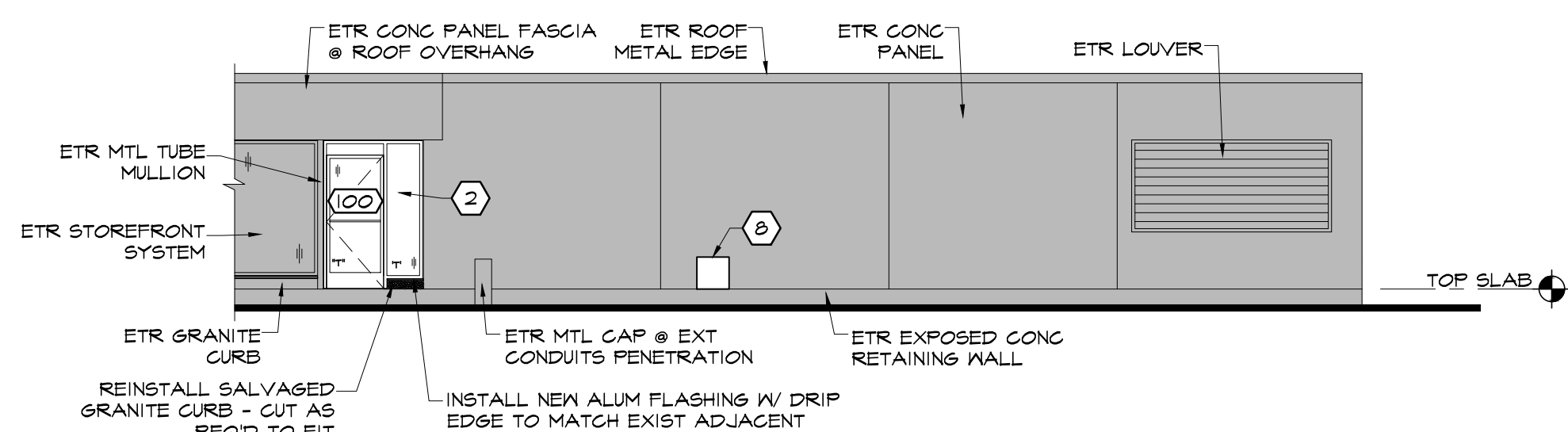
203.5 MACHINERY SPACES. SPACES FREQUENTED ONLY BY SERVICE PERSONNEL FOR MAINTENANCE, REPAIR, OR OCCASIONAL MONITORING OF EQUIPMENT SHALL NOT BE REQUIRED TO COMPLY WITH THESE REQUIREMENTS OR TO BE ON AN ACCESSIBLE ROUTE. MACHINERY SPACES INCLUDE, BUT ARE NOT LIMITED TO: ELEVATOR FITS OR ELEVATOR PENTHOUSES; MECHANICAL, ELECTRICAL OR COMMUNICATIONS EQUIPMENT ROOMS; PIPING OR EQUIPMENT CATAWALKS; WATER OR SEWAGE TREATMENT PUMP ROOMS AND STATIONS; ELECTRIC SUBSTATIONS AND TRANSFORMER VAULTS; AND HIGHWAY AND TUNNEL UTILITY FACILITIES.

CHAIN LINK FENCE LEGEND

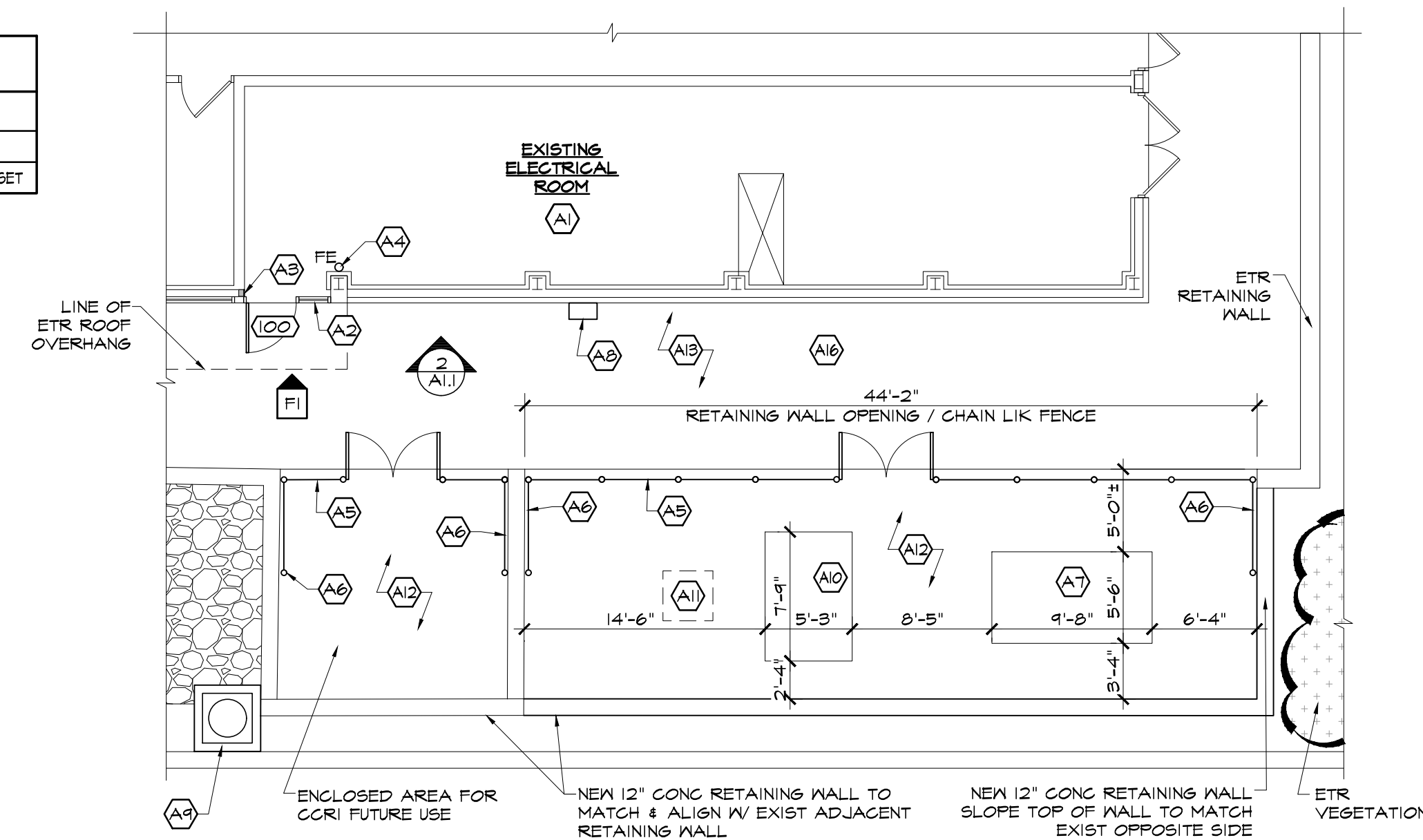
- (A) 2 1/8" O.D. GALV STEEL POST.
- (B) 1 7/8" O.D. GALV STEEL GATE FRAME.
- (C) 1 5/8" O.D. GALV STEEL BRACINGS.
- (D) 2" x 9 GA GALV MESH W/ VINYL PRIVACY SLATS. COLOR TO BE SELECTED BY ARCHITECT.
- (E) 1 7/8" O.D. GALV STEEL RAIL.
- (F) PRESSED STEEL DOME CAP.
- (G) PRESSED STEEL HINGES (3 PER LEAF MIN.).
- (H) 1/2" x 18" L6 STEEL CANE BOLTS. PROVIDE SLEEVE IN CONCRETE OR GROUND FOR BOLTS.
- (I) 12" x 48" DEEP CONC PIER (TYP @ POSTS).



3 TYP CHAIN LINK FENCE SCHEMATIC ELEVATION
SCALE: 3/4" = 1'-0"



2 FIELD HOUSE PARTIAL NORTH EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"



1 FIELD HOUSE ELEC ROOM FLOOR PLAN
SCALE: 1/8" = 1'-0"

CODES, RULES, REGULATIONS

FEDERAL, STATE AND MUNICIPAL LAWS

WARWICK, RHODE ISLAND RULES AND/OR REGULATIONS

SRG-1: STATE OF RHODE ISLAND REHABILITATION BUILDING AND FIRE CODE FOR EXISTING BUILDINGS AND STRUCTURES, 2002 ED.

CHAPTER 5: ALTERATIONS

CHAPTER 10: ACCESSIBILITY

ANY PREVAILING RULES, REGULATIONS PERTAINING TO ADEQUATE PROTECTION AND/OR GUARDING OF ANY MOVING PARTS OR OTHERWISE HAZARDOUS LOCATIONS.

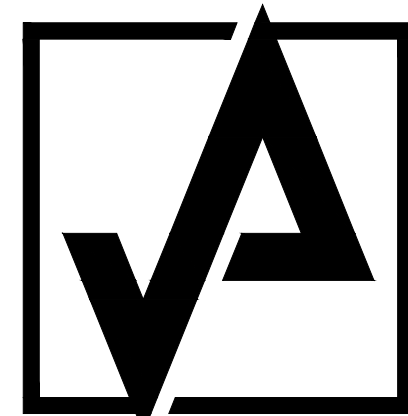
ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR REVISIONS THERETO, WHICH ARE APPLICABLE DURING THE TERM OF THIS CONTRACT AND HOLD THE OWNER AND/OR HIS/HER AGENTS HARMLESS FROM ANY CLAIM OR LOSS THAT MAY RESULT FROM VIOLATIONS OF OR CLAIMS UNDER THIS ACT.

GENERAL NOTES

- THE CONTRACTOR SHALL OBTAIN ALL PERMITS & INSPECTIONS NECESSARY TO INSURE ISSUANCE OF AN OCCUPANCY CERTIFICATE UPON COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL MAINTAIN ALL INSURANCE REQ'D BY THE OWNER AND/OR GOVERNMENTAL AUTHORITIES AND SHALL PROVIDE PROOF OF SUCH INSURANCE AS REQ'D.
- ALL WORK SHALL BE IN STRICT ACCORDANCE W/ ALL APPLICABLE CODES, CITY OF WARWICK, RHODE ISLAND REQ'TS & AS PUT FORTH IN THESE CONSTRUCTION DOCUMENTS, WHERE CONFLICTS OCCUR, THE MOST STRINGENT REQ'TS SHALL BE MET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING ALL WORK DURING CONSTRUCTION.
- THE DRAWINGS MAY NOT BE TO SCALE. SEE PLANS & DETAILS FOR DIMENSIONS.
- ALL EXTERIOR DIMENSIONS SHOWN ARE TO THE FACE OF FRAMING. ALL INTERIOR DIMENSIONS SHOWN ARE TO THE FACE OF SUBSTRATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS BEFORE COMMENCING CONSTRUCTION & REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING.
- THE CONTRACTOR SHALL ANCHOR WALL MOUNTED EQUIPMENT & ACCESSORIES TO EXISTING WALLS AS REQ'D FOR PROPER SUPPORT. PROVIDE BLOCKING AS REQ'D.
- LEVEL OF GYP BD FINISH PER MATERIAL: UNDER WALL COVERING: 4
UNDER PAINT: 5
- NOTHING IN THE SPECIFICATIONS OR DRAWINGS SHALL BE CONSTRUED TO ALLOW WORK NOT IN ACCORDANCE W/ THE CODE REQ'TS. WHEN REQ'TS SHOWN OR SPECIFIED ARE LESS THAN THOSE DICTATED IN THE CODE, THE CONTRACTOR SHALL FURNISH AND/OR INSTALL THE LARGER SIZE OR HIGHER STANDARD WITHOUT EXTRA COST TO THE OWNER.
- "PROVIDE" SHALL MEAN TO "SUPPLY & INSTALL".
- ALL MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE CLASSIFIED AS NONCOMBUSTIBLE PER THE STATE BUILDING CODE WHETHER SO INDICATED ON THE DWGS OR NOT.

CONSTRUCTION NOTES

- SEE ELEC DWGS FOR ALL ITEMS TO BE INSTALLED IN THIS ROOM. GC SHALL PREVIOUSLY VERIFY FEASIBILITY OF PROPOSED LAYOUT, EQUIPMENT CONNECTION, LOCATION, DIMENSIONS, REQ'D CLEARANCES IN ORDER TO ELEC ROOM BE FUNCTIONAL AS EXPECTED. ANY CONDITION THAT WOULD DEVIATE OF SUCH REQUIREMENT SHALL BE BROUGHT TO ARCHITECT/OWNER ATTENTION.
- INSTALL NEW ALUM FRAME + GLAZING TO MATCH EXIST ADJACENT STOREFRONT SYSTEM.
- PROVIDE 3 5/8" x 20 GA MTL STUD + GYP BD AS REQ'D TO INFILL GAP.
- PROVIDE TYPE ABC FIRE EXTINGUISHER, MOUNTED AT 4'-0" AF FROM TOP BY GC, COORDINATE ALL FINAL LOCATIONS & QUANTITY WITH LOCAL FIRE DEPT.
- NEW CHAIN LINK FENCE W/ ACCESS GATES FOR GENERATOR MAINTENANCE. SEE 3/A1.1
- TURN CHAIN LINK FENCE AGAINST EXIST SLOPED CONC RETAINING WALL AND STOP WHERE RETAINING WALL REACH 6'-0" HIGH.
- NEW GENERATOR CONCRETE PAD. SEE STRUCT DWG.
- CAM LOCK CONNECTION PANEL. SEE ELEC DWGS. GC SHALL PREVIOUSLY COORD FINAL LOCATION W/ OWNER.
- PROVIDE 48"x48" HOUSEKEEPING PAD AND REINSTALL SALVAGED CONDENSER UNIT AND RELATED ACCESSORIES. EXTEND REFRIGERANT LINES AS REQ'D FOR NEW LOCATION.
- NEW TRANSFORMER CONCRETE PAD. SEE STRUCT DWG.
- NEW HANDHOLE PER ELEC DWGS. MAINTAIN TOP OF HANDHOLE ABOVE CRUSHED STONE LAYER.
- PROVIDE 4" LAYER OF 3/4" CRUSHED STONE AROUND CONCRETE PADS AND HANDHOLE, LIMITED TO RETAINING WALLS AND ADJACENT ASPHALT PAVEMENT. LEVEL GRAVEL WITH ASPHALT.
- INSTALL CONCRETE ENCASED CONDUITS PER ELEC DRAWINGS CONNECTING NEW GENERATOR AND NEW TRANSFORMER TO ETR ELECTRICAL ROOM PRIOR TO NEW ASPHALT PAVEMENT CONSTRUCTION.
- GC SHALL REPAIR EXIST CONDUITS THAT ARE TO REMAIN AS NECESSARY.
- THE GC SHALL EXCAVATE AREAS OF EXISTING CONDUIT LINES AND REPAIR THEIR PENETRATIONS INTO THE BUILDING RETAINING WALL AS NECESSARY TO ELIMINATE LEAKS.
- WITHIN THE LIMITS DEFINED IN THE SHADED AREA IN 1/D1.1 PROVIDE NEW BITUMINOUS CONCRETE PAVEMENT. SEE 4/D1.1.



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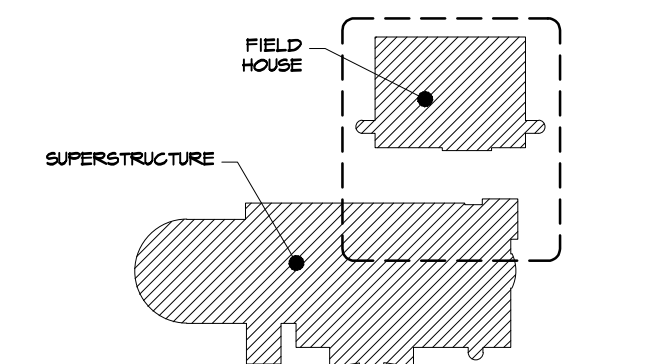
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FOR CONSTRUCTION

REVISIONS:

NUMBER	REMARKS	DATE



KEYPLAN



KNIGHT CAMPUS
FH GENERATOR REPLACEMENT
& ELECT INFRASTRUCTURE UPDATE

400 EAST AVE
WARWICK, RI 02886
Kent County

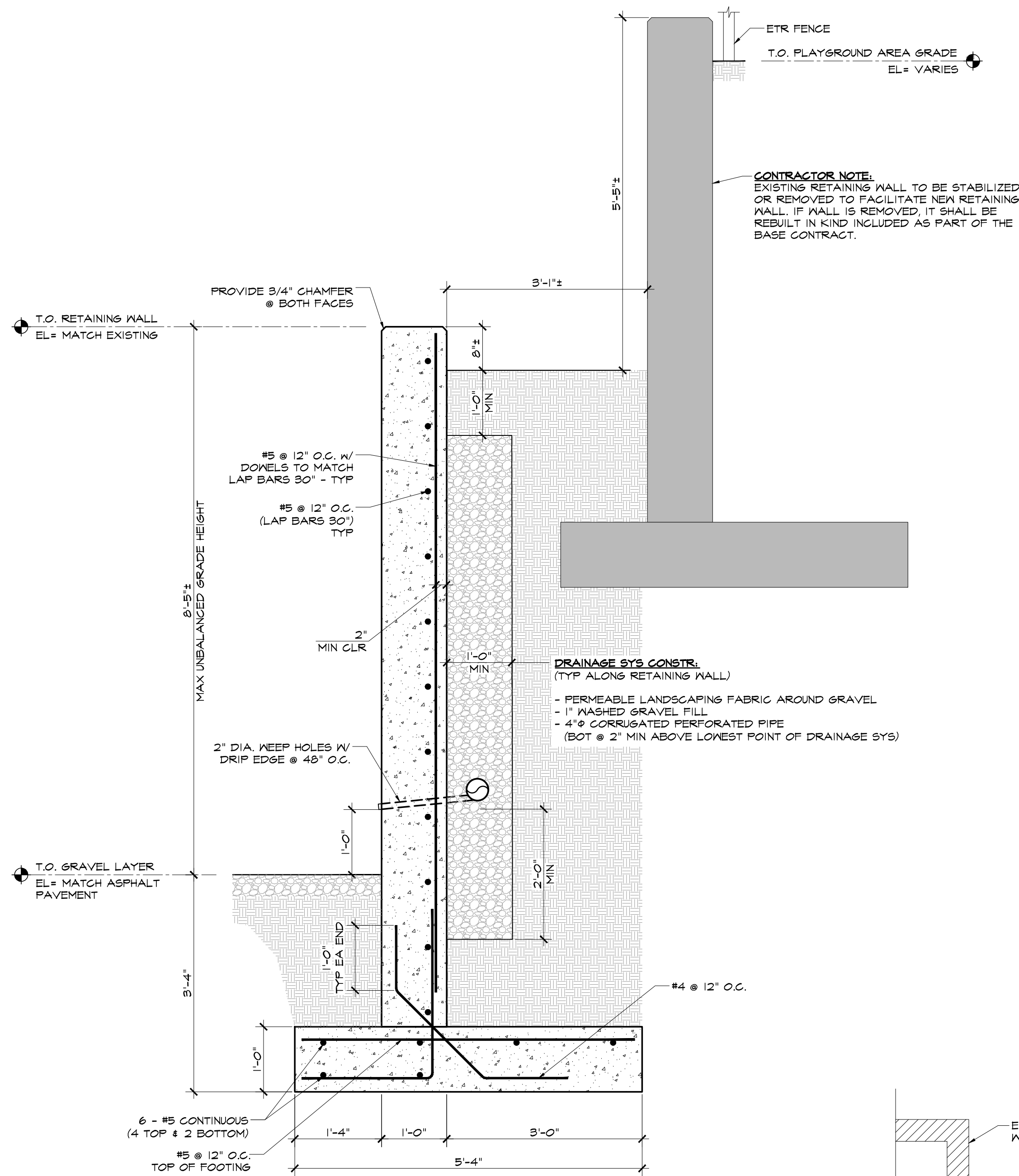
DRAWING TITLE:

FIELD HOUSE SITE & FLOOR
PLANS, ELEVATION,
DETAILS AND NOTES

DATE:	PROJ NO:
FEB 17, 2025	21234
DRAWN BY:	CHECKED BY:
AL	DH

DRAWING NUMBER:

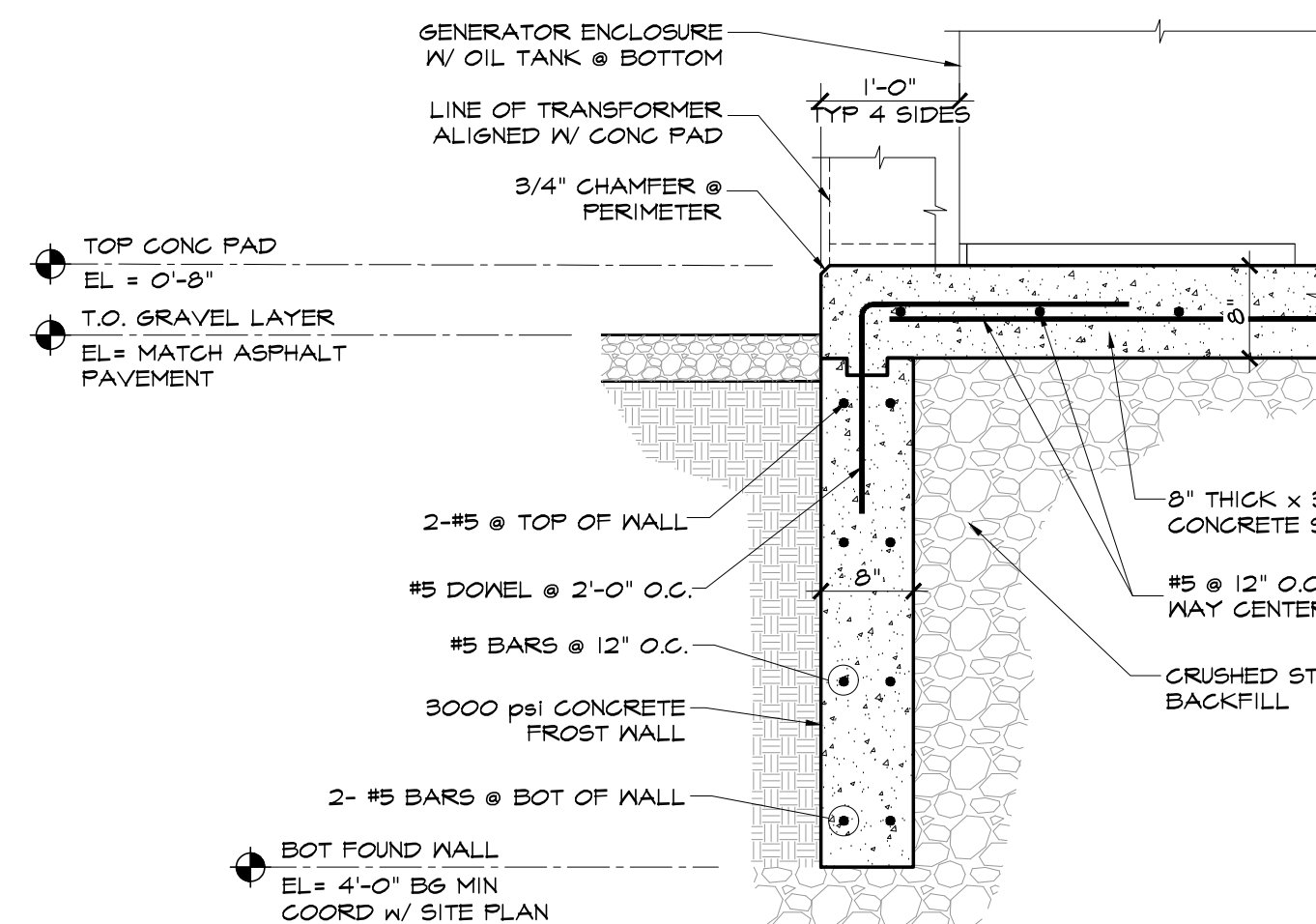
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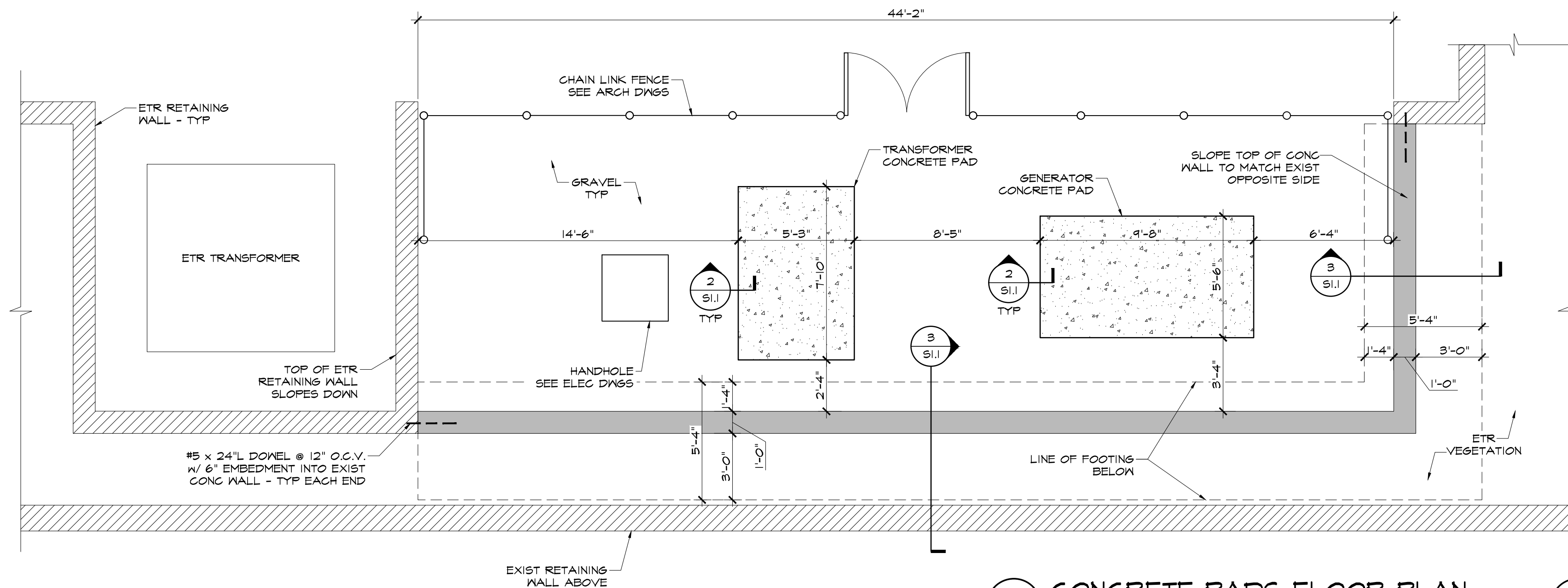
3 RETAINING WALL SECTION DETAIL
S1.1 SCALE: 3/4" = 1'-0"

PENETRATION NOTE:

SC SHALL COORDINATE WITH THE GENERATOR OR TRANSFORMER MANUF. FOR ALL CONCRETE PADS PENETRATIONS AND ANCHORAGE REQUIREMENTS PRIOR TO START OF CONSTRUCTION.



2 TYP CONCRETE PAD SECTION DETAIL
S1.1 SCALE: 3/4" = 1'-0"



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

GENERAL NOTES:

- 1) THE FOUNDATION DWGS SHALL BE USED IN CONJUNCTION W/ ARCHITECTURAL & ELECTRICAL DWGS AND THEIR SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQTS OF OTHER TRADES AS TO ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- 2) THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE W/ THE PROVISIONS OF THE INTERNATIONAL BUILDING CODE (IBC 2021) W/ THE RHODE ISLAND STATE BUILDING CODE.
- 3) THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING & BRACINGS REQ'D TO ERECT & HOLD NEW STRUCTURES IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS & LATERAL BRACINGS ARE IN PLACE.

CONCRETE NOTES:

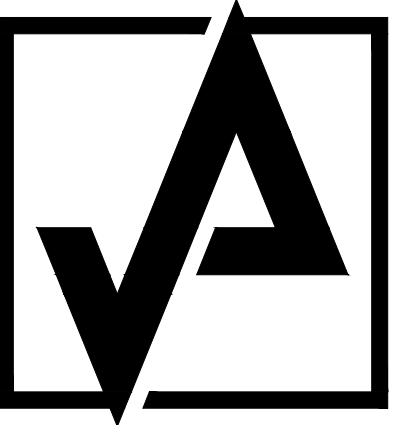
- 1) CONCRETE WORK SHALL CONFORM TO THE LATEST AMERICAN CONCRETE INSTITUTE (ACI) CODE FOR "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
- 2) ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS.
- 3) CONCRETE SHALL NOT CONTAIN SLAG OR SILICA FUME & IF USING FLY-ASH, THE MAXIMUM QUANTITY PER WEIGHT OF CEMENT SHALL BE 20%.
- 4) A SET OF FOUR (4) CONCRETE TEST CYLINDER SHALL BE TAKEN BY AN INDEPENDENT CONCRETE TESTING LAB EACH DAY WHEN CONCRETE PLACEMENT EXCEEDS 5 CUBIC YARDS. ONE CYLINDER SHALL BE BROKEN @ 7 DAYS, TWO @ 28 DAYS & ONE @ 56 DAYS. A COPY OF ALL TEST REPORTS SHALL BE FILED W/ THE ENGINEER.
- 5) ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60.
- 6) ALL REINFORCING STEEL SHALL BE ELECTRICALLY GROUNDED IN ACCORDANCE W/ THE NATIONAL ELECTRIC CODE, AS AMENDED BY THE RHODE ISLAND STATE BUILDING CODE.
- 7) ALL CONTINUOUS REINFORCING BARS SHALL BE LAPPED 48 BAR DIAMETERS @ SPLICES & @ CORNERS UNLESS OTHERWISE NOTED. TERMINATE CONTINUOUS BARS @ NON-CONTINUOUS ENDS W/ STANDARD HOOKS.

SOIL CONDITIONS & STRUCTURAL FILL:

- 1) ALL FOOTINGS SHALL BE CARRIED TO THE DEPTHS SHOWN & DEEPER IF REQ'D, & SHALL REST ON UNDISTURBED SOIL HAVING A SAFE BEARING PRESSURE OF 2,000 PSF. IT IS RECOMMENDED THAT THE OWNER HIRE A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF RHODE ISLAND TO ENSURE THAT THE ABOVE REQTS ARE MET. THIS OFFICE IS NOT QUALIFIED TO DETERMINE SOIL BEARING CAPACITIES OR SUBSURFACE PREPARATION & WILL NOT ACCEPT RESPONSIBILITY FOR BEARING CONDITIONS.
- 2) NO FOOTING SHALL BE PLACED ON FROZEN SOIL OR IN STANDINGS WATER.
- 3) STRUCTURAL FILL SHALL BE WELL GRADED BANK RUN, SCREENED OR CRUSHED GRAVEL & SHALL BE PLACED IN ACCORDANCE W/ THE GEOTECHNICAL REPORT & COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D1557.
- 4) PROVIDE A MINIMUM OF 6" (OR GREATER IF REQ'D BY THE GEOTECHNICAL ENGINEER) WELL COMPACTED, CLEAN, COARSE SAND & GRAVEL UNDER ALL SLABS ON GRADE AFTER THE TOPSOIL HAS BEEN REMOVED.

SHOP DRAWINGS & SPECIFICATIONS:

- 1) SHOP DWGS REVIEWED BY THE GENERAL CONTRACTOR FOR THE REINFORCING STEEL SHALL BE SUBMITTED TO THE ENGINEER AND A STAMPED APPROVAL RECEIVED BEFORE FABRICATION CAN PROCEED. ERECTION SHALL BE MADE FROM APPROVED SHOP DWGS ONLY. CONCRETE MIX DESIGN SPECIFICATIONS SHALL BE SUBMITTED FOR APPROVAL BEFORE CONCRETE IS POURED.
- 2) CHANGES, SUBSTITUTIONS OR OMISSIONS MADE BY THE GENERAL CONTRACTOR OR THEIR SUBCONTRACTORS TO THE CONTRACT DOCUMENTS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE SUBMISSION SHALL HIGHLIGHT & NOTE THE PROPOSED CHANGE. SUBSTITUTION OR OMISSIONS TO THE CONTRACT DOCUMENTS WHICH DO NOT FOLLOW THIS APPROVAL PROCEDURE SHALL BE CONSIDERED NOT APPROVED.



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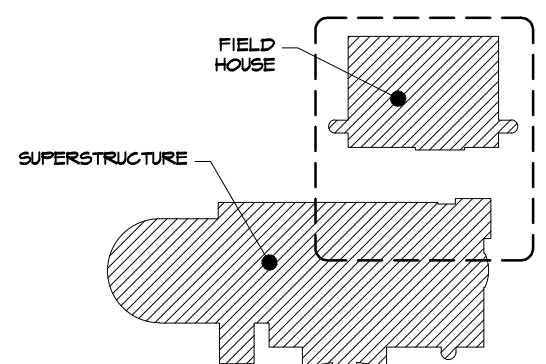
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FOR CONSTRUCTION

REVISIONS:		
NUMBER	REMARKS	DATE



KEYPLAN



KNIGHT CAMPUS
FH GENERATOR REPLACEMENT
& ELECT INFRASTRUCTURE UPDATE

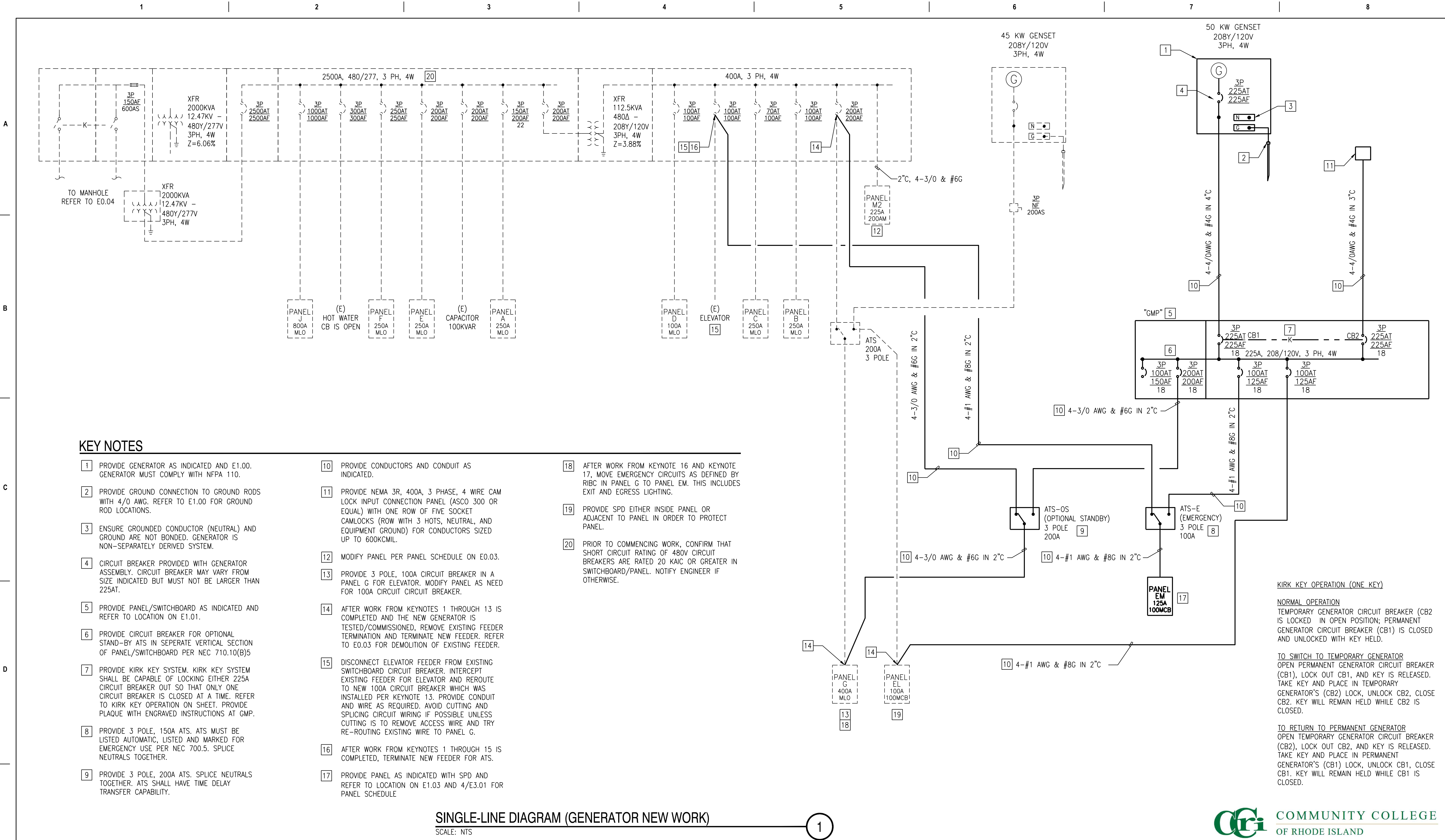
400 EAST AVE
WARWICK, RI 02886
Kent County

DRAWING TITLE:
CONC PADS STRUCT
PLAN, SECTIONS
AND NOTES

DATE:	PROJ NO:
FEB 17, 2025	21234
DRAWN BY:	CHECKED BY:
AL	DH

DRAWING NUMBER:

S1.1



KEY NOTES

- 1

PROVIDE GENERATOR AS INDICATED AND E1.00. GENERATOR MUST COMPLY WITH NFPA 110.
- 2

PROVIDE GROUND CONNECTION TO GROUND RODS WITH 4/0 AWG. REFER TO E1.00 FOR GROUND ROD LOCATIONS.
- 3

ENSURE GROUNDED CONDUCTOR (NEUTRAL) AND GROUND ARE NOT BONDED. GENERATOR IS NON-SEPARATELY DERIVED SYSTEM.
- 4

CIRCUIT BREAKER PROVIDED WITH GENERATOR ASSEMBLY. CIRCUIT BREAKER MAY VARY FROM SIZE INDICATED BUT MUST NOT BE LARGER THAN 225AT.
- 5

PROVIDE PANEL/SWITCHBOARD AS INDICATED AND REFER TO LOCATION ON E1.01.
- 6

PROVIDE CIRCUIT BREAKER FOR OPTIONAL STAND-BY ATS. IN SEPARATE VERTICAL SECTION OF PANEL/SWITCHBOARD PER NEC 710.10(B)5
- 7

PROVIDE KIRK KEY SYSTEM. KIRK KEY SYSTEM SHALL BE CAPABLE OF LOCKING EITHER 225A CIRCUIT BREAKER OUT SO THAT ONLY ONE CIRCUIT BREAKER IS CLOSED AT A TIME. REFER TO KIRK KEY OPERATION ON SHEET. PROVIDE PLAQUE WITH ENGRAVED INSTRUCTIONS AT GMP.
- 8

PROVIDE 3 POLE, 150A ATS. ATS MUST BE LISTED AUTOMATIC, LISTED AND MARKED FOR EMERGENCY USE PER NEC 700.5. SPLICE NEUTRALS TOGETHER.
- 9

PROVIDE 3 POLE, 200A ATS. SPLICE NEUTRALS TOGETHER. ATS SHALL HAVE TIME DELAY TRANSFER CAPABILITY.
- 10

PROVIDE CONDUCTORS AND CONDUIT AS INDICATED.
- 11

PROVIDE NEMA 3R, 400A, 3 PHASE, 4 WIRE CAM LOCK INPUT CONNECTION PANEL (ASCO 300 OR EQUAL) WITH ONE ROW OF FIVE SOCKET CAMLOCKS (ROW WITH 3 HOTS, NEUTRAL, AND EQUIPMENT GROUND) FOR CONDUCTORS SIZED UP TO 600KCMIL.
- 12

MODIFY PANEL PER PANEL SCHEDULE ON E0.03.
- 13

PROVIDE 3 POLE, 100A CIRCUIT BREAKER IN A PANEL G FOR ELEVATOR. MODIFY PANEL AS NEED FOR 100A CIRCUIT CIRCUIT BREAKER.
- 14

AFTER WORK FROM KEYNOTES 1 THROUGH 13 IS COMPLETED AND THE NEW GENERATOR IS TESTED/COMMISSIONED, REMOVE EXISTING FEEDER TERMINATION AND TERMINATE NEW FEEDER. REFER TO E0.03 FOR DEMOLITION OF EXISTING FEEDER.
- 15

DISCONNECT ELEVATOR FEEDER FROM EXISTING SWITCHBOARD CIRCUIT BREAKER. INTERCEPT EXISTING FEEDER FOR ELEVATOR AND REROUTE TO NEW 100A CIRCUIT BREAKER WHICH WAS INSTALLED PER KEYNOTE 13. PROVIDE CONDUIT AND WIRE AS REQUIRED. AVOID CUTTING AND SPLICING CIRCUIT WIRING IF POSSIBLE UNLESS CUTTING IS TO REMOVE ACCESS WIRE AND TRY RE-ROUTING EXISTING WIRE TO PANEL G.
- 16

AFTER WORK FROM KEYNOTES 1 THROUGH 15 IS COMPLETED, TERMINATE NEW FEEDER FOR ATS.
- 17

PROVIDE PANEL AS INDICATED WITH SPD AND REFER TO LOCATION ON E1.03 AND 4/E3.01 FOR PANEL SCHEDULE
- 18

AFTER WORK FROM KEYNOTE 16 AND KEYNOTE 17, MOVE EMERGENCY CIRCUITS AS DEFINED BY RIBC IN PANEL G TO PANEL EM. THIS INCLUDES EXIT AND EGRESS LIGHTING.
- 19


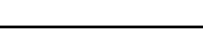
PROVIDE SPD EITHER INSIDE PANEL OR ADJACENT TO PANEL IN ORDER TO PROTECT PANEL.
- 20

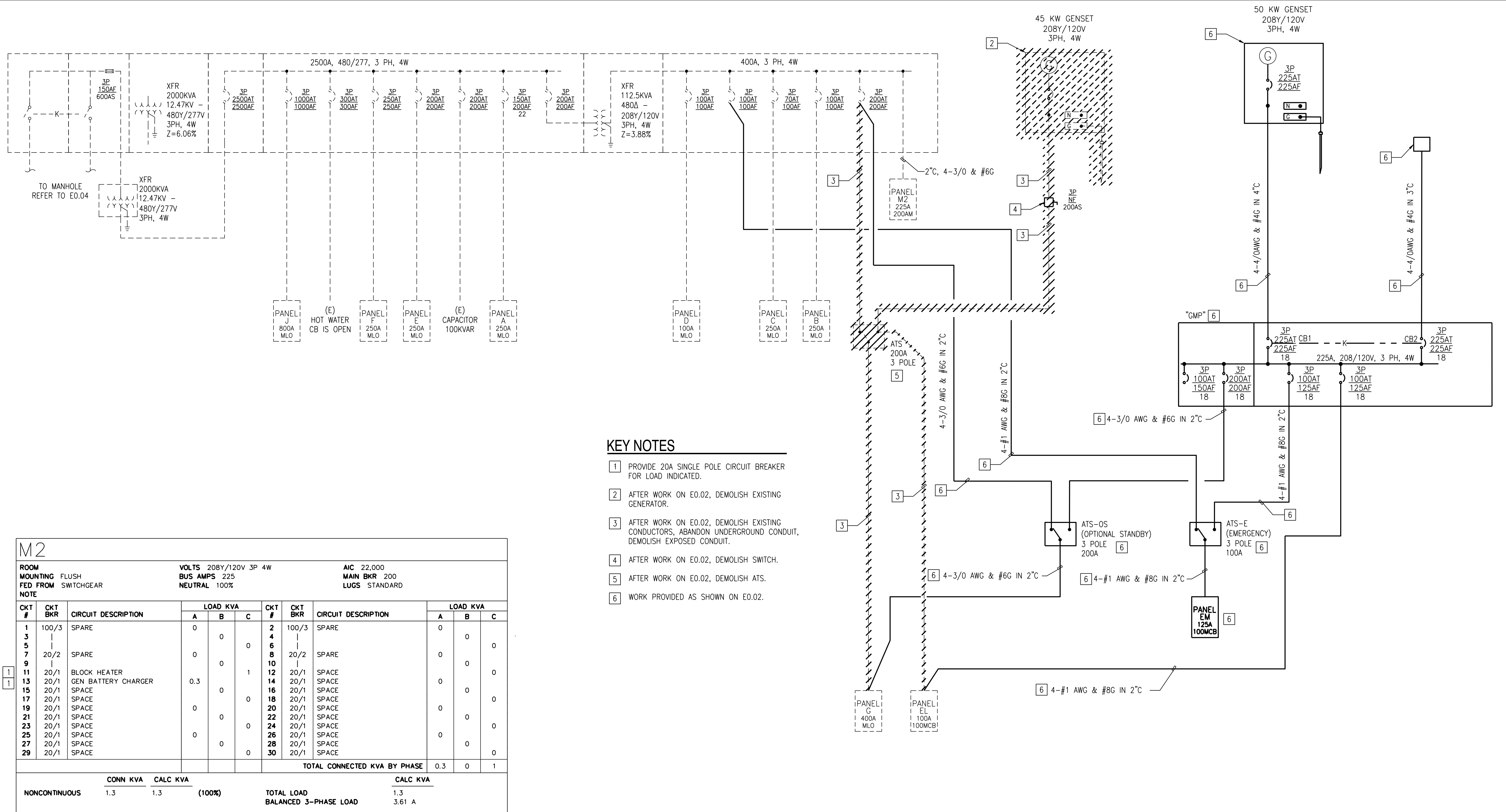
PRIOR TO COMMENCING WORK, CONFIRM THAT SHORT CIRCUIT RATING OF 480V CIRCUIT BREAKERS ARE RATED 20 KAIC OR GREATER IN SWITCHBOARD/PANEL. NOTIFY ENGINEER IF OTHERWISE.

SINGLE-LINE DIAGRAM (GENERATOR NEW WORK)

SCALE: NTS

1

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			MEP ENGINEER: Andre Gill Engineering, LLC	STRUCTURAL ENGINEER: Structures Engineering and Design, LLC 2 Charles St. Suite A-21 Providence, RI 02904	ARCHITECT: Aharonian & Associates, Inc. 310 Washington Hwy Suite 100 Smithfield, RI 02917				Drawing Scale			
			40 Overlea Road North Smithfield, RI 02896						Drawing Number E0.02			
			T: 401.441.3414 www.andregillengineering.com	T: 401.235.4808 www.structures-llc.com	T: 401-232-5010				Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE	Checked By: MTO
		Revision:		Date:								



M2

ROOM MOUNTING FLUSH		VOLTS 208Y/120V 3P 4W		AIC 22,000	
FED FROM SWITCHGEAR		BUS AMPS 225		MAIN BKR 200	
NOTE		NEUTRAL 100%		LUGS STANDARD	

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	100/3	SPARE	0			2	100/3	SPARE	0		
3				0		4				0	
5					0	6					0
7	20/2	SPARE	0			8	20/2	SPARE	0		
9				0		10				0	
11	20/1	BLOCK HEATER			1	12	20/1	SPACE			0
13	20/1	GEN BATTERY CHARGER	0.3			14	20/1	SPACE	0		
15	20/1	SPACE		0		16	20/1	SPACE		0	
17	20/1	SPACE			0	18	20/1	SPACE			0
19	20/1	SPACE	0			20	20/1	SPACE	0		
21	20/1	SPACE		0		22	20/1	SPACE		0	
23	20/1	SPACE			0	24	20/1	SPACE			0
25	20/1	SPACE	0			26	20/1	SPACE	0		
27	20/1	SPACE		0		28	20/1	SPACE		0	
29	20/1	SPACE			0	30	20/1	SPACE			0
						TOTAL CONNECTED KVA BY PHASE			0.3	0	1

CONN KVA		CALC KVA		CALC KVA	
NONCONTINUOUS	1.3	1.3	(100%)	TOTAL LOAD	1.3
				BALANCED 3-PHASE LOAD	3.61 A

M2 PANEL SCHEDULE

SCALE: NTS




SCALE: NTS

[illegible]

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STAMP



A rectangular professional engineer stamp for Michael Terence O'Brien. The stamp features a central shield emblem with an anchor. Above the shield is a banner with the text "REGISTERED PROFESSIONAL ENGINEER". Below the shield is another banner with the text "ELECTRICAL". The text "MICHAEL TERENCE O'BRIEN" is at the top, "No. 12511" is in the middle, and "REGISTERED PROFESSIONAL ENGINEER (ELECTRICAL)" is at the bottom.

MICHAEL TERENCE O'BRIEN

No. 12511

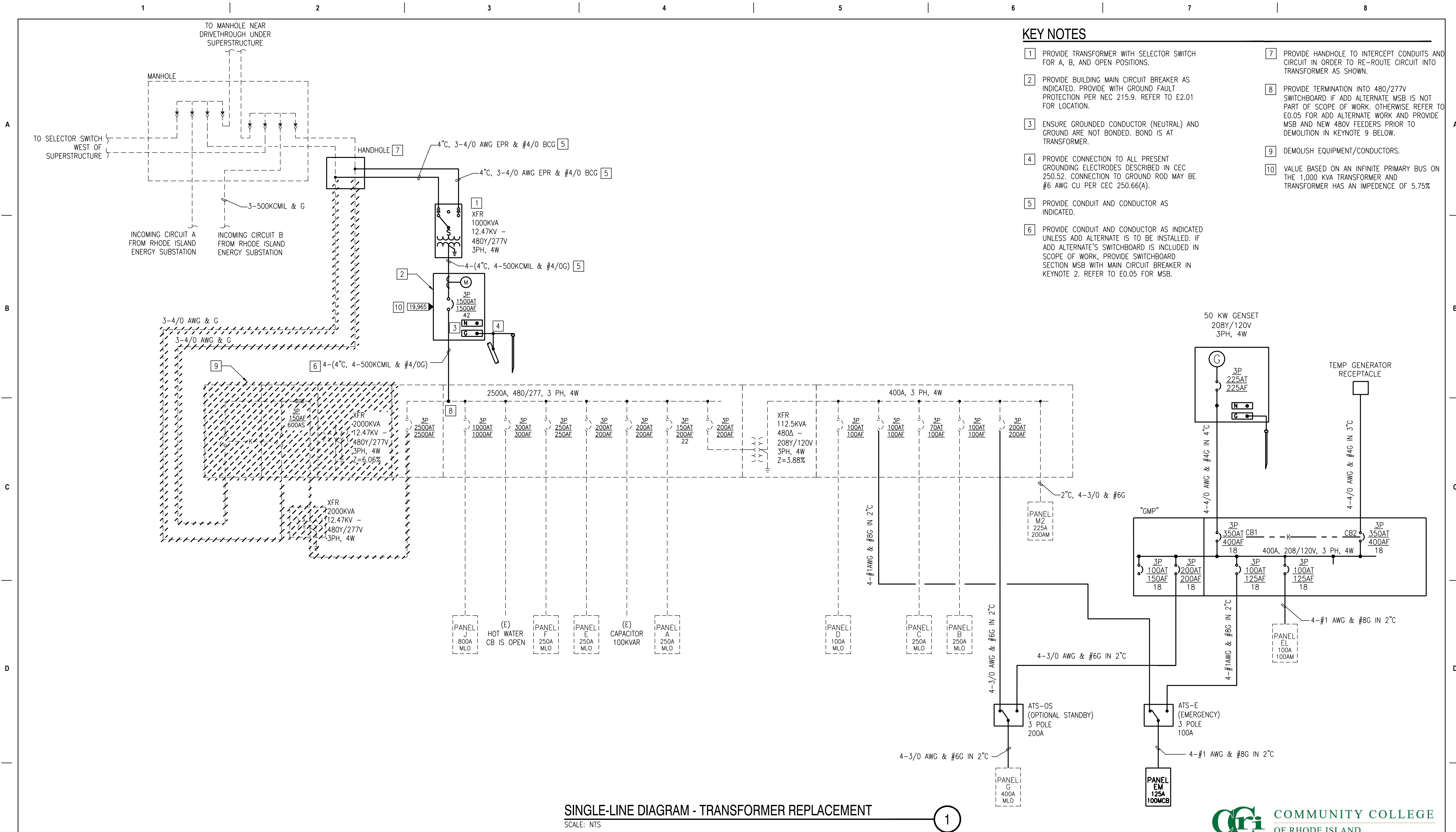
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Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125
Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: SINGLE-LINE DIAGRAM - GENERATOR DEMOLITION		Drawing Number E0.03
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
Checked By: MTO		

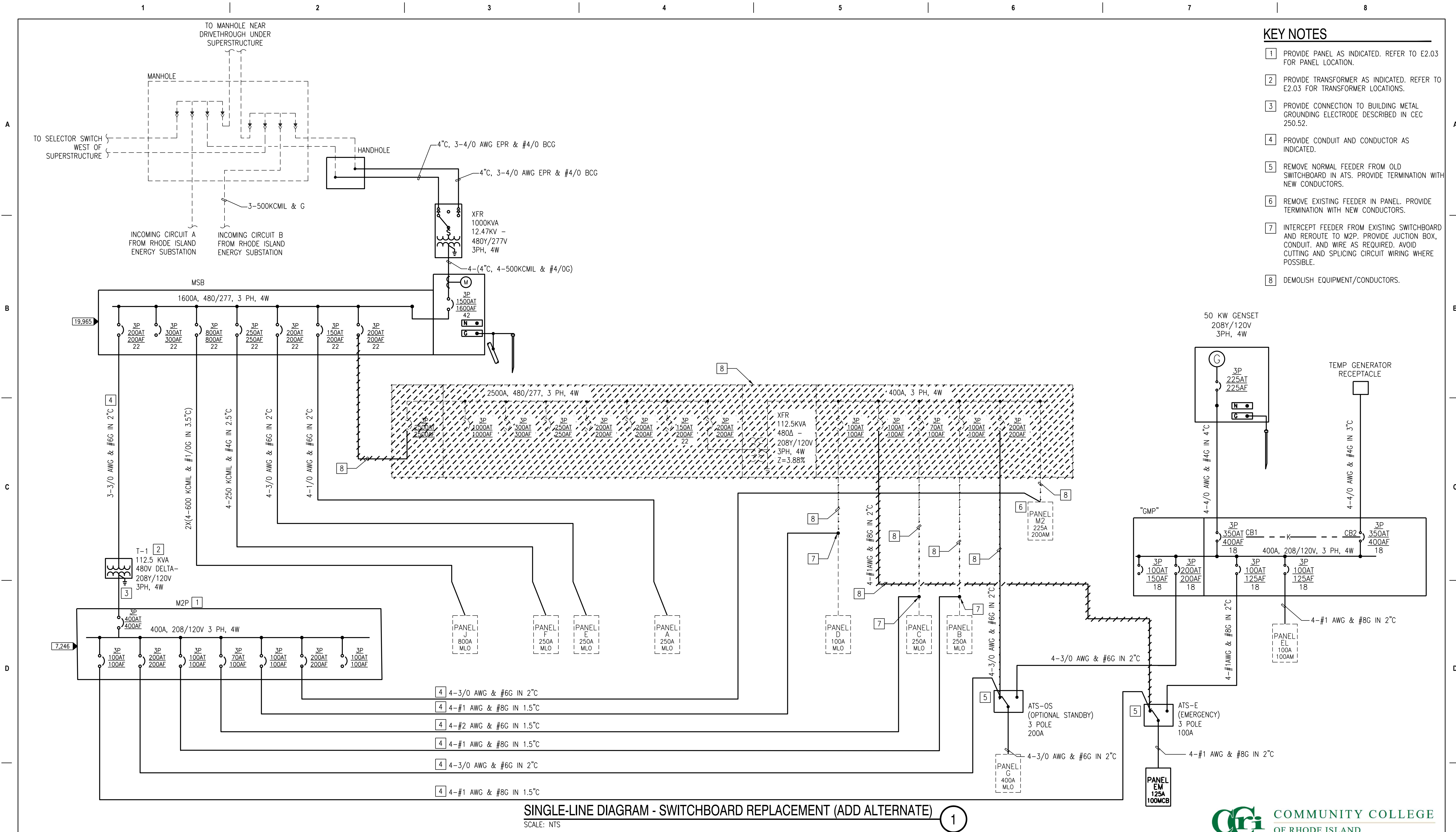


SINGLE-LINE DIAGRAM - TRANSFORMER REPLACEMENT

SCALE: NTS

1

[illegible]



SINGLE-LINE DIAGRAM - SWITCHBOARD REPLACEMENT (ADD ALTERNATE)

SCALE: NTS

1

[illegible]

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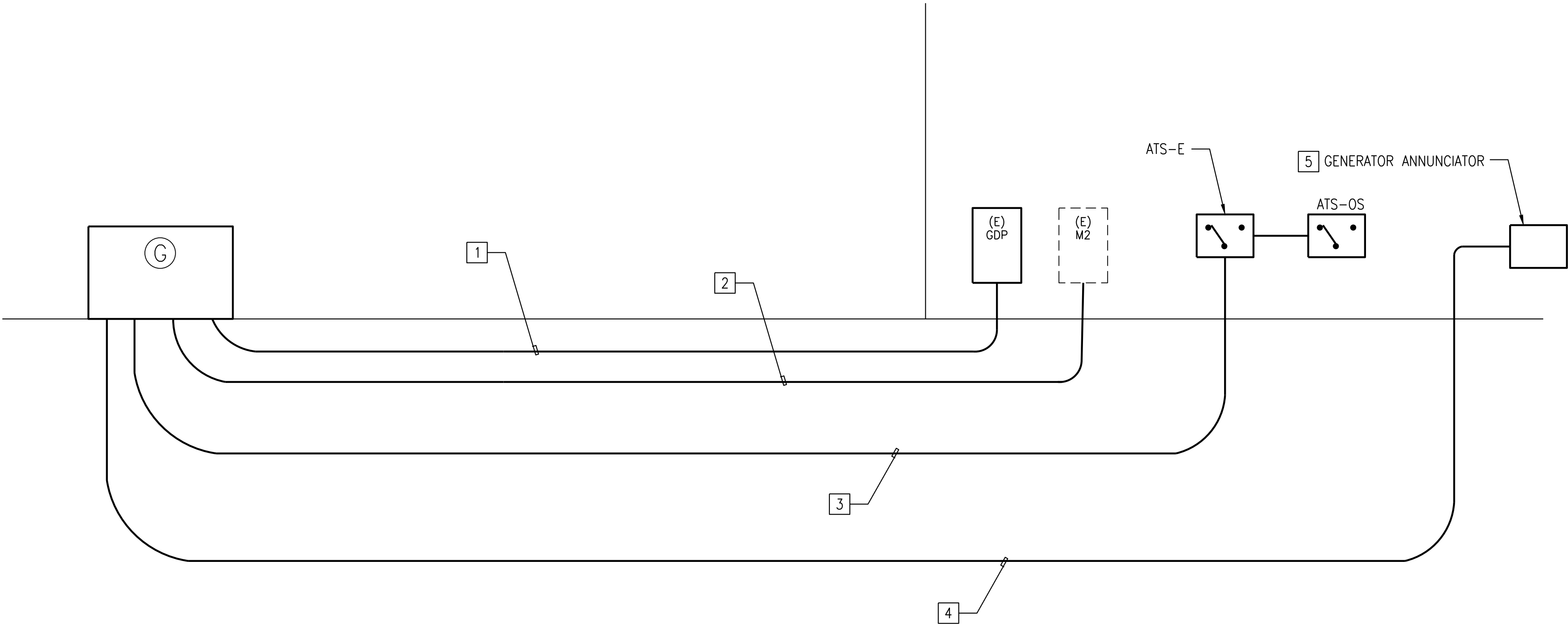
Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT			Project Number 2125
Location: 400 EAST AVE, WARWICK, RI 02886			Drawing Scale
Drawing Title: SINGLE-LINE DIAGRAM - 208V SWITCHBOARD REPLACEMENT			Drawing Number E0.06
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE	Checked By: MTO

GENERAL NOTES

1. DRAWING IS SHOWN DIAGRAMMATICALLY. DEPTH OR ACTUALL ROUTING OF CONDUITS IS NOT SHOWN.

KEY NOTES

- 1 PROVIDE 2-4"C. PROVIDE CONDUCTORS AS SHOWN ON E0.02.
- 2 PROVIDE 1"C. PROVIDE 4-#10AWG & #10G IN CONDUIT.
- 3 PROVIDE 1"C. PROVIDE 6-#14AWG DC WIRE IN CONDUIT FOR ATS SIGNAL WIRING. REFER TO MANUFACTURERS INSTALLATION MANUAL FOR TERMINATIONS.
- 4 PROVIDE 1"C. PROVIDE CABLING TO ANNUNCIATOR PANEL PER MANUFACTURER'S INSTRUCTIONS.
- 5 PROVIDE ANNUNCIATOR AT SECURITY STATION.



CONDUIT DIAGRAM
SCALE: NTS

1

Revision:	Date:

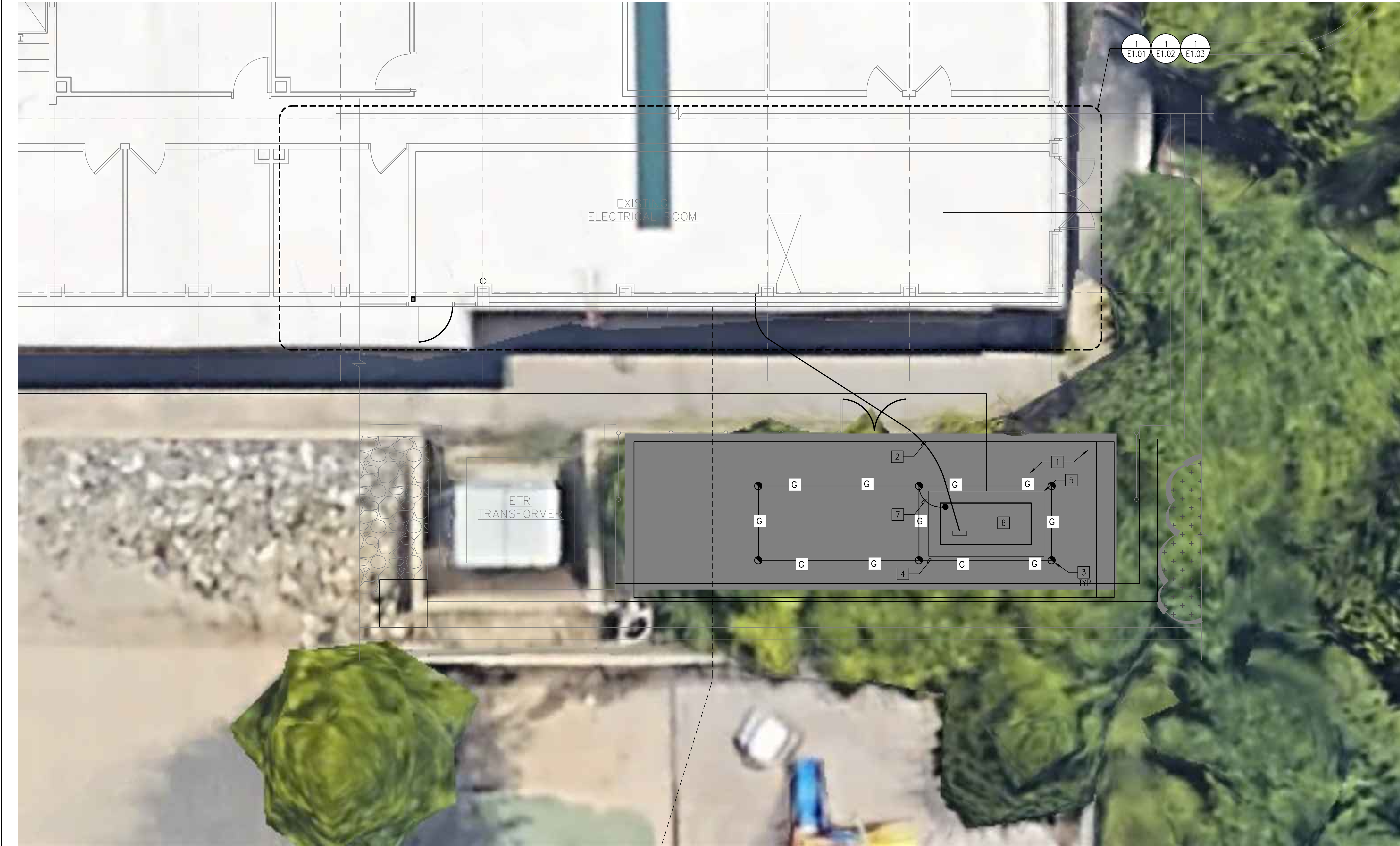
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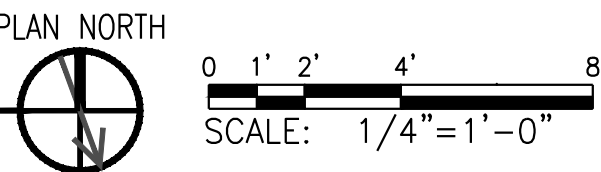
Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125
Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: GENERATOR CONDUIT DIAGRAM		Drawing Number E0.11
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO



KEY NOTES

- 1 REMOVE PLANTS AND CLEAR VEGETATION. CLEAR AREA FOR GENERATOR AND PAD.
- 2 PROVIDE CONCRETE ENCASED CONDUIT PER DETAIL 3/E3.01 AND E0.11. PROVIDE CONDUCTORS IN CONDUITS PER E0.11.
- 3 PROVIDE GROUND ROD PER DETAIL 2/E3.01.
- 4 PROVIDE 4/0 BCG BUIED 30" BELOW GRADE.
- 5 PROVIDE CONCRETE PAD PER STRUCTURAL DRAWINGS. COORDINATE OPENING TO ALLOW CONDUIT IN PROPER OPENING LOCATION.
- 6 PROVIDE KOHLER DIESEL GENERATOR MODEL 50RE0ZK WITH 4P10X ALTERNATOR ON CONCRETE PAD. PROVIDE GENERATOR PER SINGLE-LINE ON E0.03. PROVIDE GENERATOR WITH WEATHER AND SOUND ENCLOSURE AND 25 KW LOAD BANK MOUNTED ON ENCLOSURE WITH STANDARD SUBBASE FUEL TANK WITH A MINIMUM OF 130 GALLONS OF DIESEL FUEL CAPACITY.
- 7 PROVIDE GROUND CONNECTION TO GENERATOR. DO NOT BOND TO NEUTRAL.

ELECTRICAL SITE PLAN - PAD AND GENERATOR
SCALE: 1/4" = 1'-0"



Revision:	Date:

CONSULTANTS		
MEP ENGINEER: Andre Gill Engineering, LLC 40 Overlea Road North Smithfield, RI 02896 T: 401.441.3414 www.andregillengineering.com	STRUCTURAL ENGINEER: Structures Engineering and Design, LLC 2 Charles St. Suite A-21 Providence, RI 02904 T: 401.235.4808 www.structures-llc.com	ARCHITECT: Aharonian & Associates, Inc. 310 Washington Hwy Suite 100 Smithfield, RI 02917 T: 401-232-5010

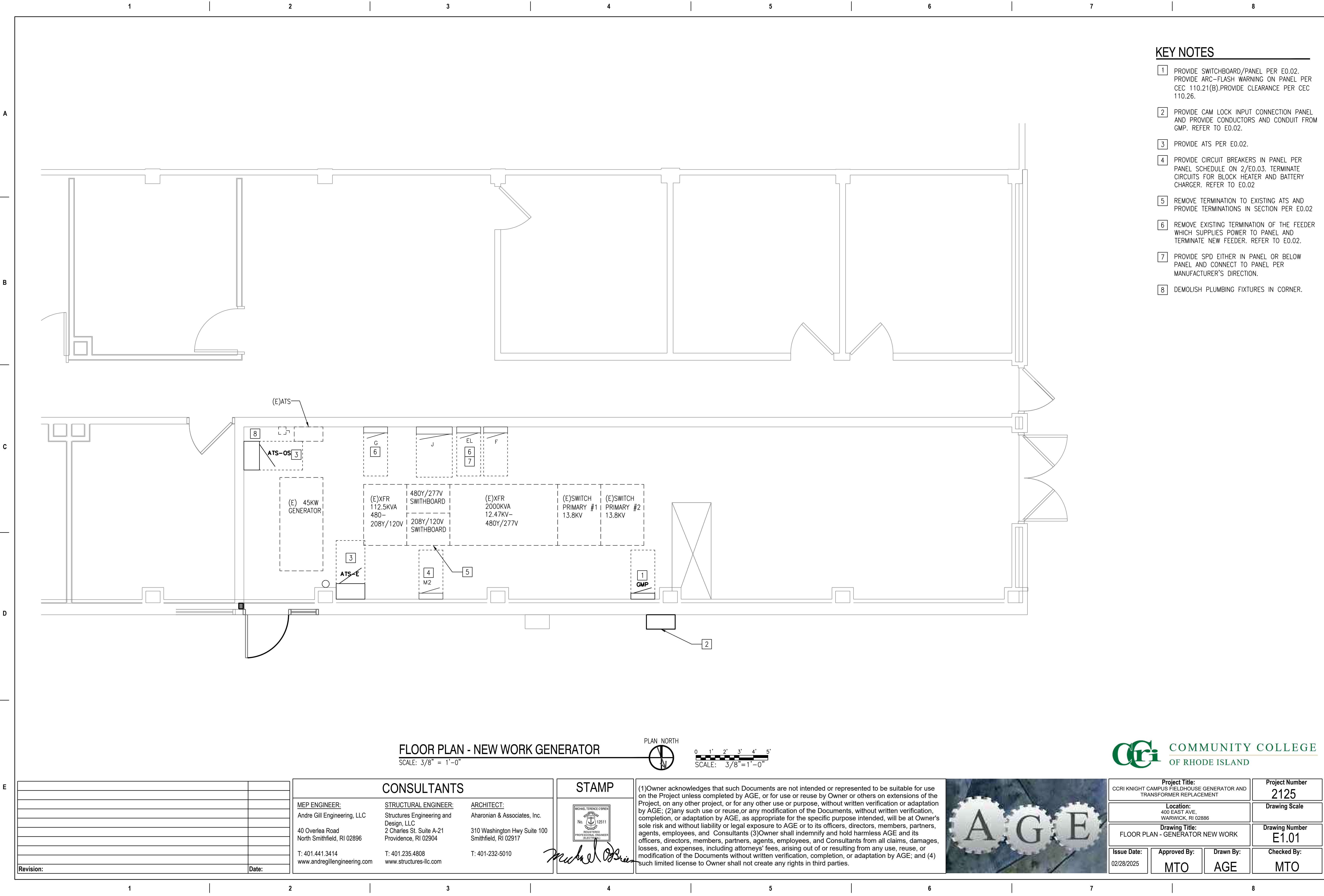
STAMP

Michael Terence O'Brien

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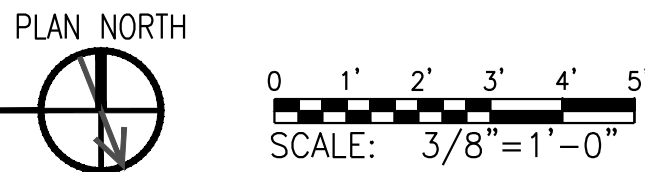
Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125
Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: ELECTRICAL SITE PLAN - PAD AND GENERATOR		Drawing Number E1.00
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO



KEY NOTES

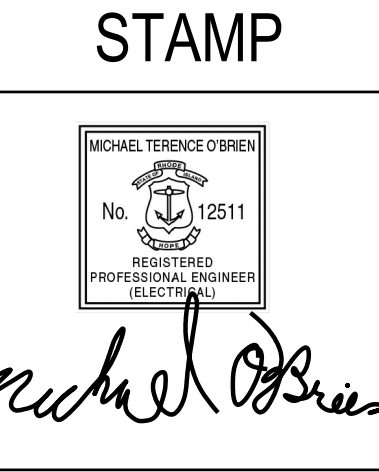
- 1 PROVIDE SWITCHBOARD/PANEL PER E0.02. PROVIDE ARC-FLASH WARNING ON PANEL PER CEC 110.21(B).PROVIDE CLEARANCE PER CEC 110.26.
- 2 PROVIDE CAM LOCK INPUT CONNECTION PANEL AND PROVIDE CONDUCTORS AND CONDUIT FROM GMP. REFER TO E0.02.
- 3 PROVIDE ATS PER E0.02.
- 4 PROVIDE CIRCUIT BREAKERS IN PANEL PER PANEL SCHEDULE ON 2/E0.03. TERMINATE CIRCUITS FOR BLOCK HEATER AND BATTERY CHARGER. REFER TO E0.02
- 5 REMOVE TERMINATION TO EXISTING ATS AND PROVIDE TERMINATIONS IN SECTION PER E0.02
- 6 REMOVE EXISTING TERMINATION OF THE FEEDER WHICH SUPPLIES POWER TO PANEL AND TERMINATE NEW FEEDER. REFER TO E0.02.
- 7 PROVIDE SPD EITHER IN PANEL OR BELOW PANEL AND CONNECT TO PANEL PER MANUFACTURER'S DIRECTION.
- 8 DEMOLISH PLUMBING FIXTURES IN CORNER.

FLOOR PLAN - NEW WORK GENERATOR
SCALE: 3/8" = 1'-0"



Revision:	Date:

CONSULTANTS		
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Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125
Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: FLOOR PLAN - GENERATOR NEW WORK		Drawing Number E1.01
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO

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KEY NOTES

- 1

AFTER ATS-E AND ATS-OS HAS BEEN ENERGIZED, IMMEDIATELY DEMOLISH EXISTING GENERATOR AND CONCRETE PAD.
- 2

DEMOLISH EXISTING ATS AFTER NEW WORK ON E1.00 AND E1.01 IS COMPLETE.
- 3

DEMOLISH SWITCH AFTER NEW WORK ON E1.00 AND E1.01 IS COMPLETE.

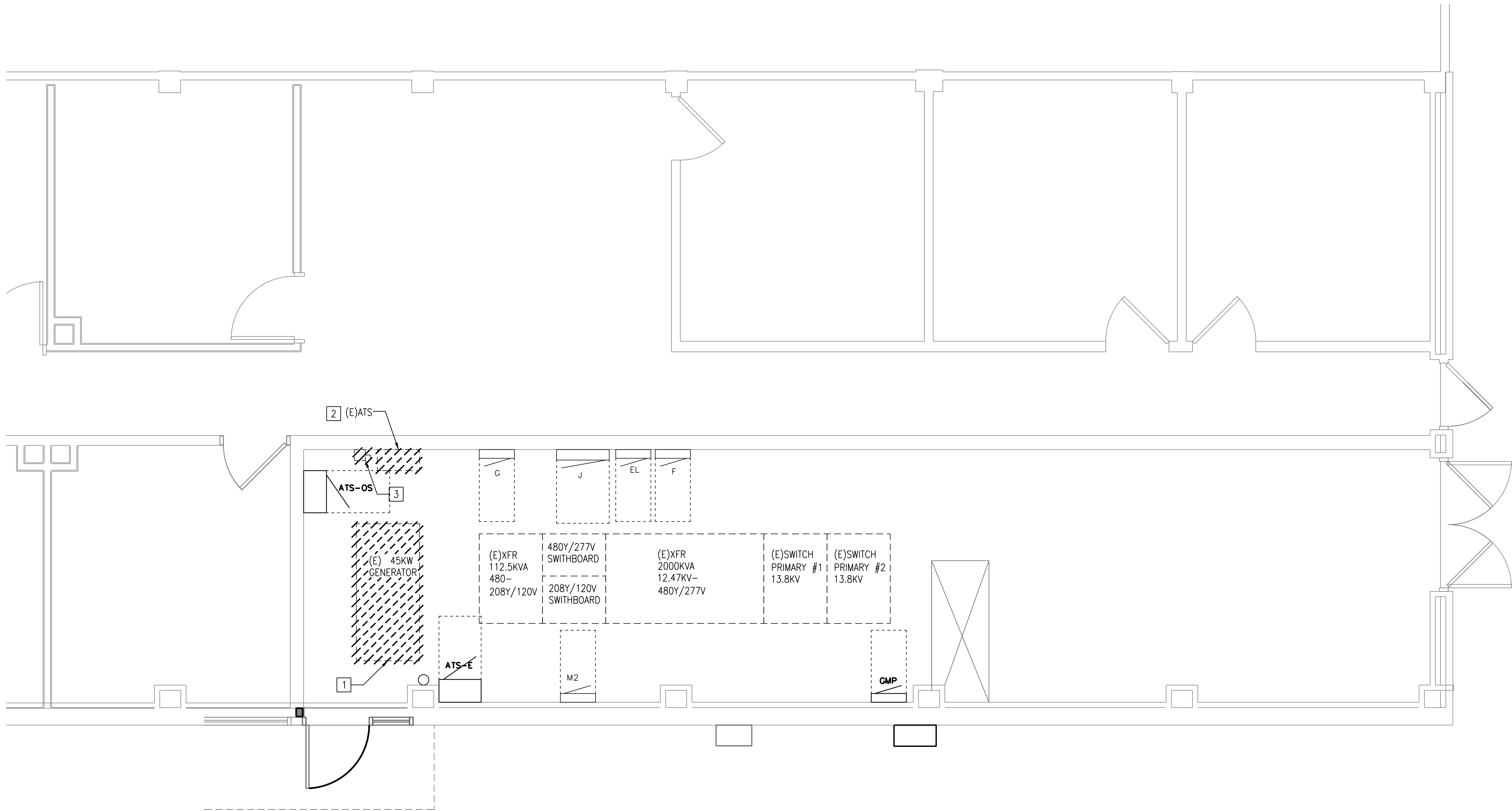
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FLOOR PLAN - GENERATOR DEMOLITION
SCALE: 3/8" = 1'-0"



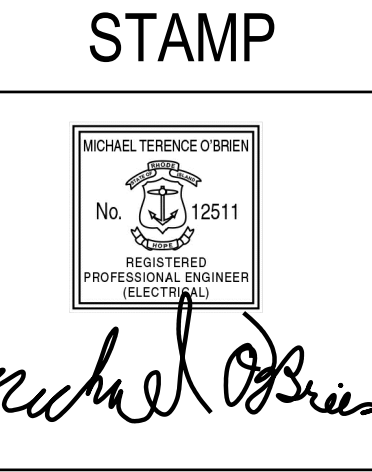
0 1' 2' 3' 4' 5'
SCALE: 3/8" = 1'-0"



COMMUNITY COLLEGE
OF RHODE ISLAND

Revision:	Date:

CONSULTANTS		
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Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125
Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: FLOOR PLAN - GENERATOR DEMOLITION		Drawing Number E1.02
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO

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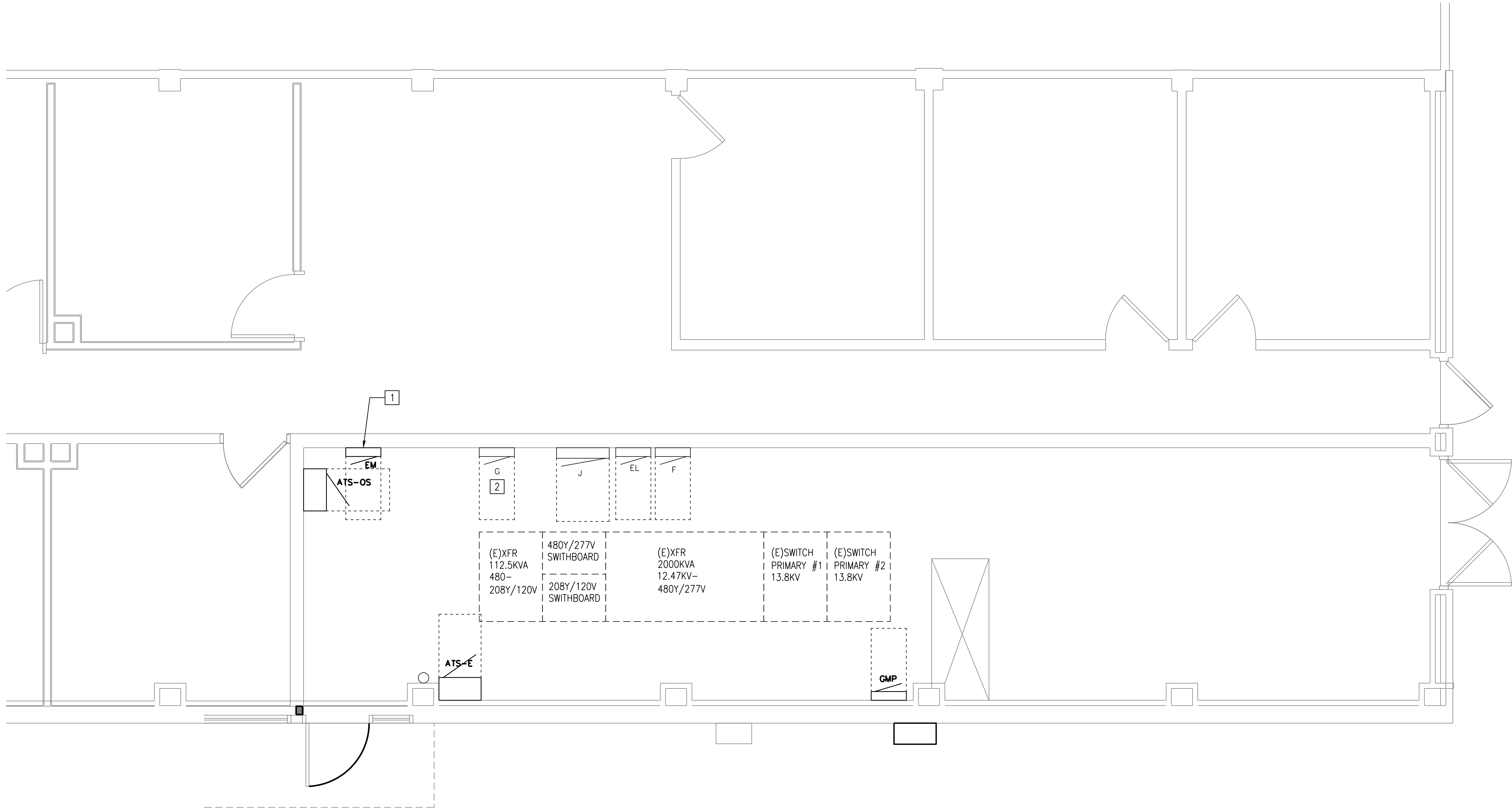
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KEY NOTES

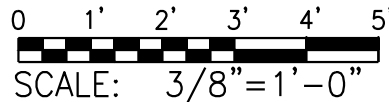
- 1

PROVIDE PANELBOARD PER E0.02 AND PANEL SCHEDULE ON E3.01. PROVIDE ARC-FLASH WARNING ON PANEL PER CEC 110.21(B). PROVIDE CLEARANCE PER CEC 110.26. PANELBOARD MAY BE LOCATED TO THE RIGHT WHERE DISCONNECT SWITCH IS TO BE DEMOLISHED IF THERE IS CONFLICT WITH LOCATION; PANELBOARD WOULD BE INSTALLED AFTER DEMOLITION IF THIS IS REQUIRED.
- 2

TRANSFER EMERGENCY CIRCUITS TO PANEL EM AFTER PANEL EM IS INSTALLED. PROVIDE ADDITIONAL CONDUIT, WIRING, AND JUNCTION BOXES AS NEEDED.



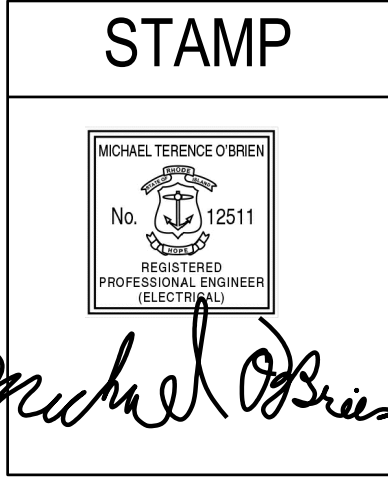
FLOOR PLAN - FINAL GENERATOR WORK
SCALE: 3/8" = 1'-0"



COMMUNITY COLLEGE
OF RHODE ISLAND

Revision:	Date:

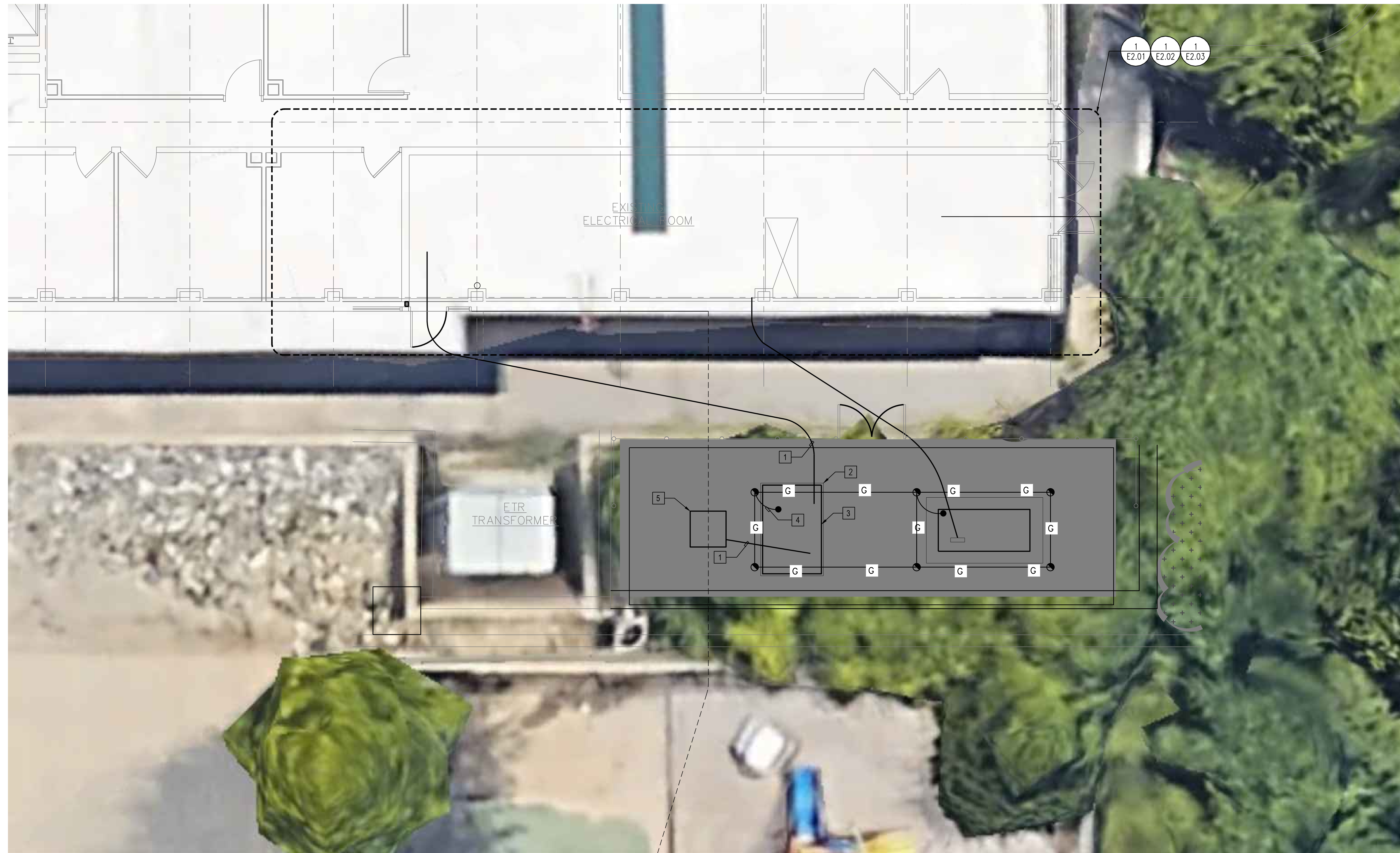
CONSULTANTS		
MEP ENGINEER: Andre Gill Engineering, LLC 40 Overlea Road North Smithfield, RI 02896 T: 401.441.3414 www.andregillengineering.com	STRUCTURAL ENGINEER: Structures Engineering and Design, LLC 2 Charles St. Suite A-21 Providence, RI 02904 T: 401.235.4808 www.structures-llc.com	ARCHITECT: Aharonian & Associates, Inc. 310 Washington Hwy Suite 100 Smithfield, RI 02917 T: 401-232-5010



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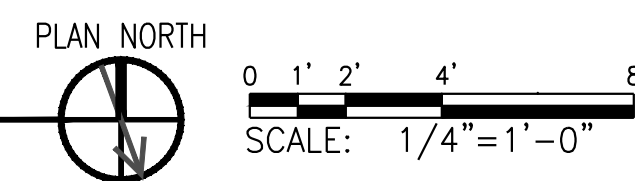
Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125
Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: FLOOR PLAN - FINAL GENERATOR WORK		Drawing Number E1.03
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO



KEY NOTES

- 1 PROVIDE CONCRETE ENCASED CONDUIT PER DETAIL 3/E3.01. PROVIDE CONDUCTORS IN CONDUITS PER E0.04.
- 2 PROVIDE CONCRETE PAD PER STRUCTURAL DRAWINGS. COORDINATE OPENING TO ALLOW CONDUIT IN PROPER OPENING LOCATION.
- 3 PROVIDE TRANSFORMER PER E0.04.
- 4 PROVIDE GROUND CONNECTION TO TRANSFORMER.
- 5 INTERCEPT 12.47 KV CIRCUITS' CONDUITS ROUTED INTO FIELD HOUSE. PROVIDE HANDHOLE PER DETAIL 1/E3.01. REROUTE MV CABLING INTO TRANSFORMER. REFER TO E0.04 FOR MORE INFORMATION.

ELECTRICAL SITE PLAN - TRANSFORMER
SCALE: 1/4" = 1'-0"

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KEY NOTES

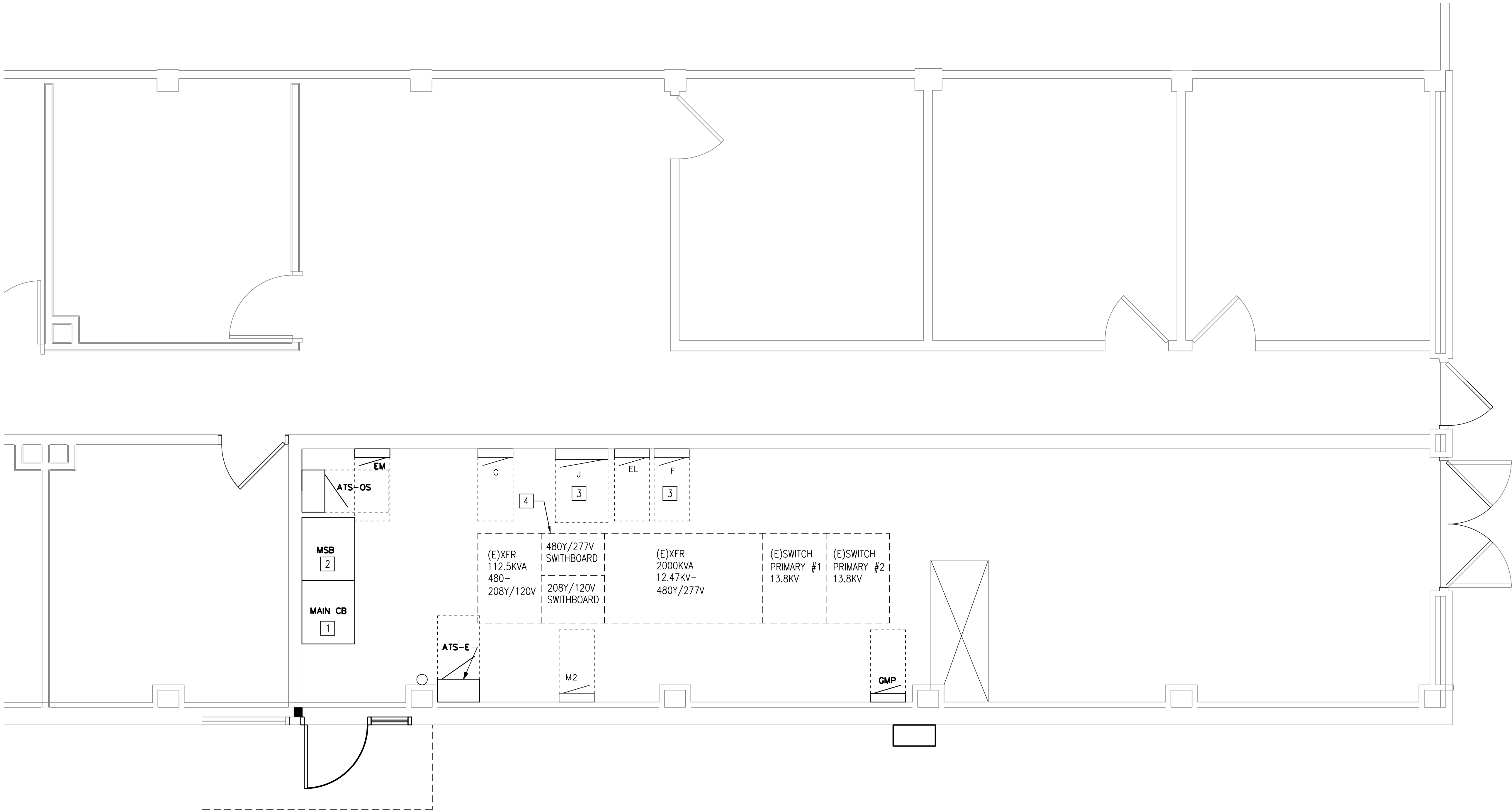
- 1

PROVIDE SWITCHBOARD/CIRCUIT BREAKER PER E0.04. PROVIDE ARC-FLASH WARNING ON PANEL PER CEC 110.21(B).PROVIDE CLEARANCE PER CEC 110.26.
- 2

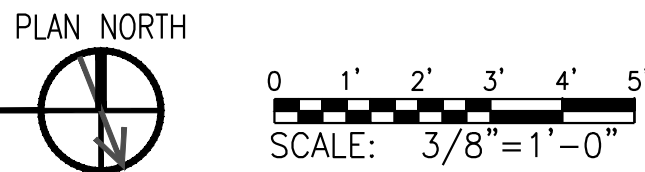
ADD ALTERNATE: PROVIDE SWITCHBOARD SECTION PER E0.05. PROVIDE ARC-FLASH WARNING ON PANEL PER CEC 110.21(B).PROVIDE CLEARANCE PER CEC 110.26.
- 3

ADD ALTERNATE: REMOVE EXISTING TERMINATION OF THE FEEDER WHICH SUPPLIES POWER TO PANEL AND TERMINATE NEW FEEDER. REFER TO E0.05.
- 4

PROVIDE CONNECTION TO SWITCHBOARD PER E0.04 FOR BASE BID OR E0.05 FOR ADD ALTERNATE.



FLOOR PLAN - NEW WORK (TRANSFORMER)
SCALE: 3/8" = 1'-0"



Revision:	Date:

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Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: FLOOR PLAN - TRANSFORMER NEW WORK		Drawing Number E2.01
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO

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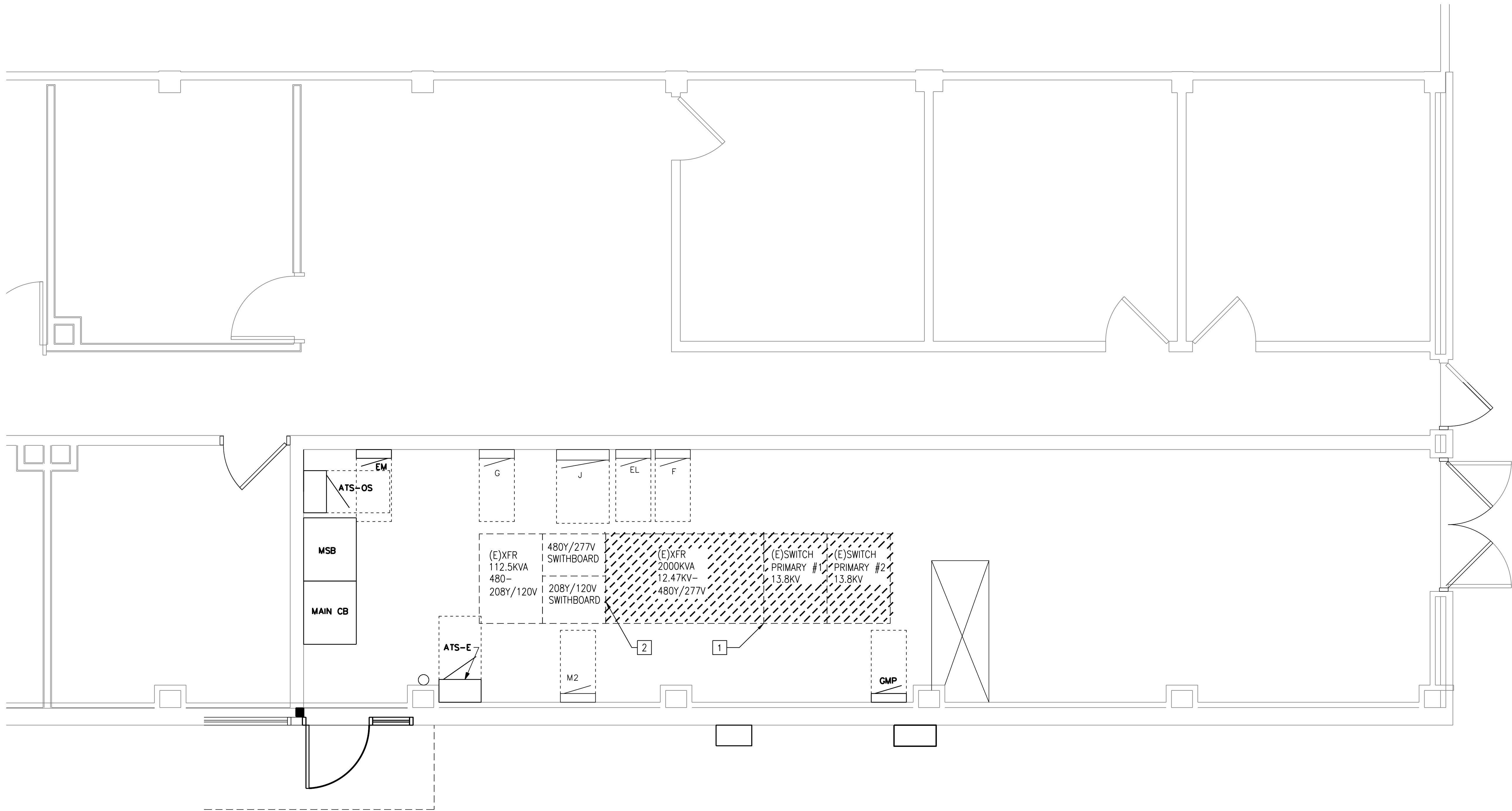
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KEY NOTES

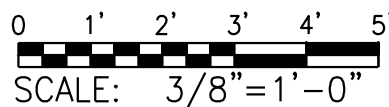
- 1

AFTER MAIN CIRCUIT BREAKER AND NEW 480V FEEDERS HAVE BEEN ENERGIZED, IMMEDIATELY DEMOLISH EXISTING TRANSFORMER AND SELECTOR SWITCHES PER E0.04.
- 2

CONSULT WITH MANUFACTURER AND PROVIDE ACCEPTABLE ENCLOSURE WALL TO CLOSE OPEN SIDE OF REMAINING SWITCHBOARD SECTIONS. LAYER OF INSULATION MAY BE REQUIRED ON INSIDE OF SHEET METAL.

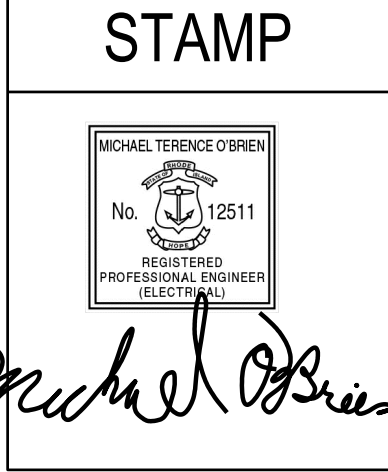


FLOOR PLAN - TRANSFORMER DEMOLITION
SCALE: 3/8" = 1'-0"



Revision:	Date:

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Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: FLOOR PLAN - TRANSFORMER DEMOLITION		Drawing Number E2.02
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO

GENERAL SHEET NOTES

1. WORK ON THIS SHEET IS FOR ADD ALTERNATE PRICING.

KEY NOTES

- 1 PROVIDE SWITCHBOARD/PANELBOARD PER E0.06. PROVIDE ARC-FLASH WARNING ON PANEL PER CEC 110.21(B).PROVIDE CLEARANCE PER CEC 110.26.
- 2 PROVIDE TRANSFORMER PER E0.06.
- 3 AFTER NEW WORK IS PERFORMED AND 208V CIRCUITS FROM THE EXISTING SWITCHBOARD HAS BEEN TRANSFERRED TO M2P PER E0.06, DEMOLISH EXISTING SWITCHBOARDS AND TRANSFORMERS.

FLOOR PLAN - SWITCHBOARD NEW WORK/DEMO (ADD ALT)

SCALE: 3/8" = 1'-0"

PLAN NORTH

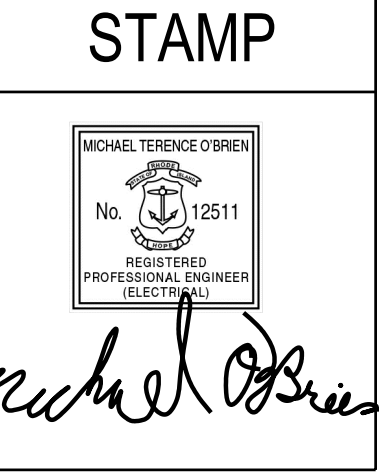


0 1' 2' 3' 4' 5'
SCALE: 3/8"=1'-0"

CCRI COMMUNITY COLLEGE
OF RHODE ISLAND

Revision:	Date:

CONSULTANTS		
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Location: 400 EAST AVE. WARWICK, RI 02886		Drawing Scale
Drawing Title: FLOOR PLAN - SWITCHBOARD NEW WORK + DEMO		Drawing Number E2.03
Issue Date: 02/28/2025	Approved By: MTO	Drawn By: AGE
		Checked By: MTO

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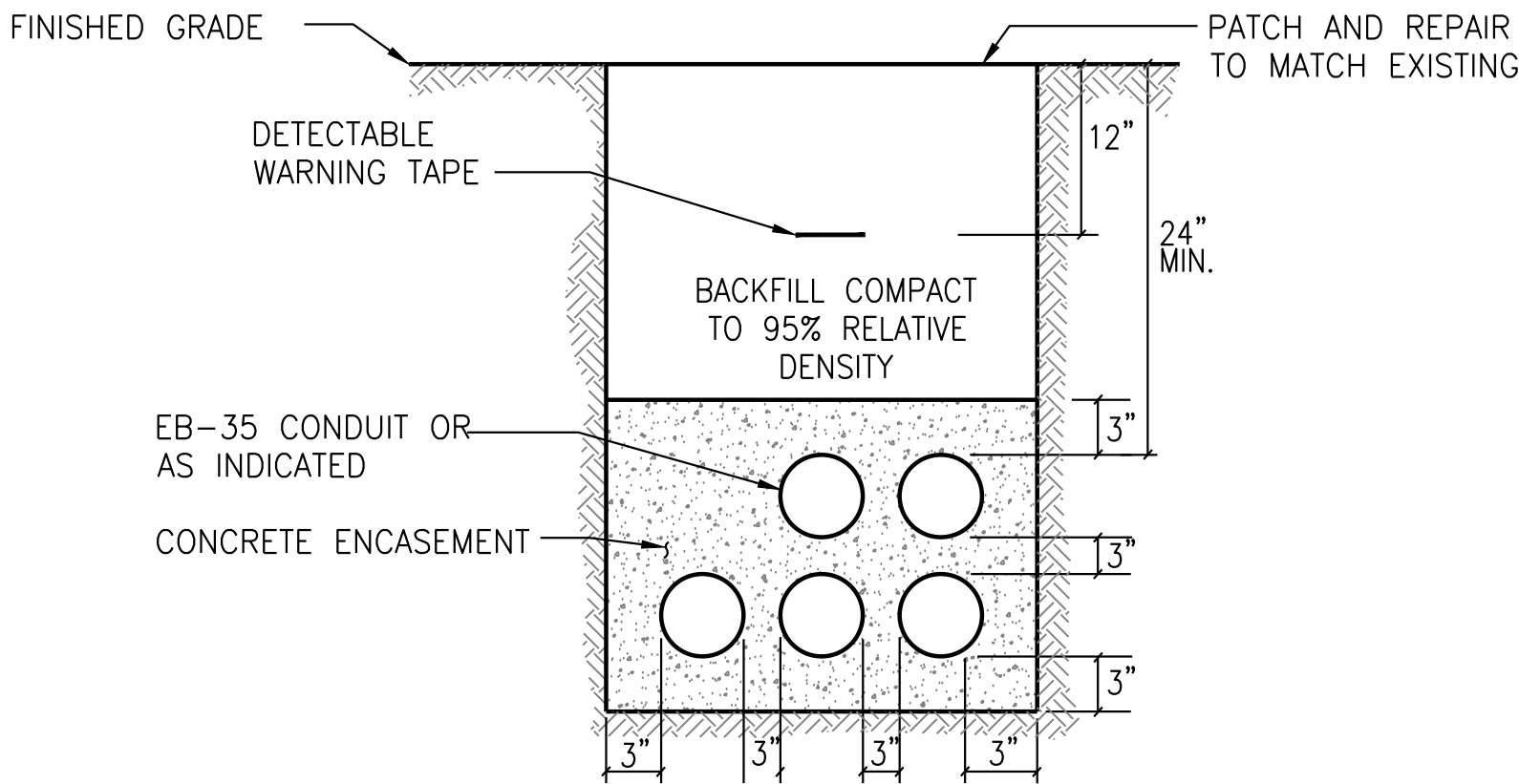
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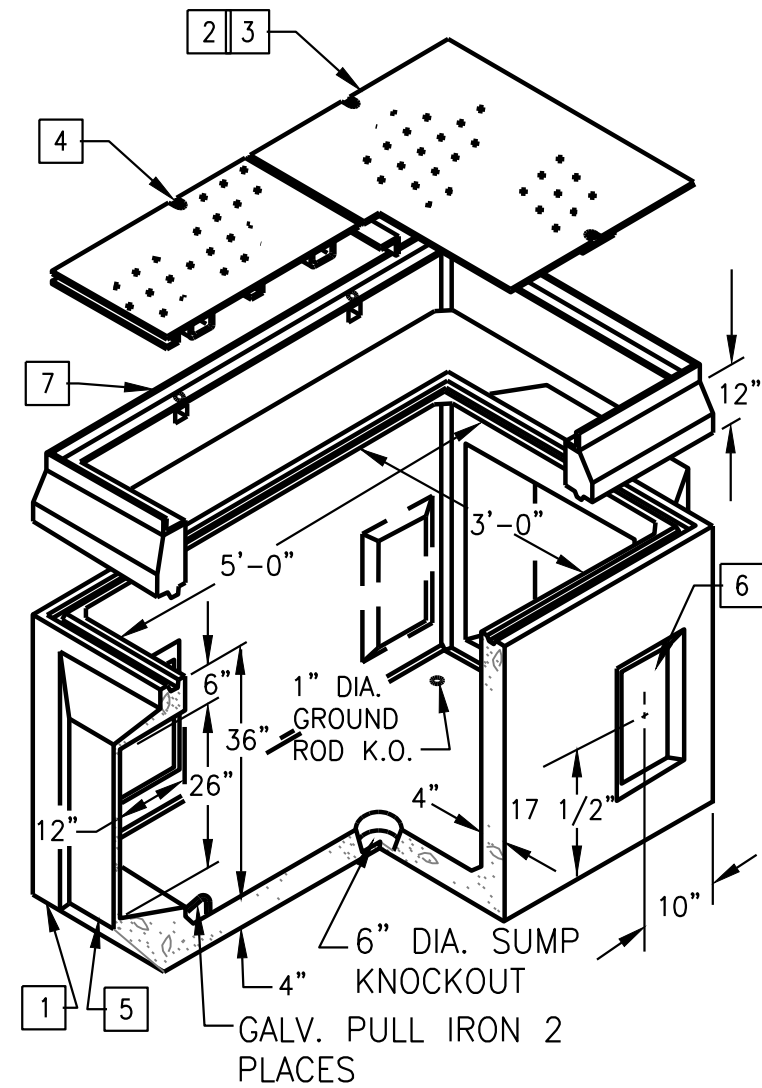
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TYPICAL DUCTBANK FOR 600V OR LESS CONCRETE ENCASED
SCALE: NTS



HANDHOLE DETAIL
SCALE: NTS

KEY NOTES

- 1 PRECAST 3'-0" X 5'-0" CONCRETE HANDHOLE BASE SECTION.
- 2 H-20 TRAFFIC COVER IN PAVED AREAS OR POLYMER CONCRETE COVER FOR PARKWAY LOADING IN UNPAVED AREAS.
- 3 UTILITY IDENTIFICATION TO READ "COMM" ON TOP OF COVER.
- 4 PENTAHEAD STAINLESS STEEL BOLTS (4 REQ'D). CONTRACTOR TO PROVIDE MINIMUM OF 6 WRENCHES TO FIT PENTAHEAD BOLTS.
- 5 18"x26" OR 26"x26" 12" DEEP RECESS KNOCKOUT (2 PLACES).
- 6 8"x16" KNOCKOUT 2 PLACES EA. SIDE WALL.
- 7 TOP RING WITH STEEL FRAME CAST-IN TO RECEIVE COVER.

EM 2											
ROOM MOUNTING SURFACE FED FROM UTILITY NOTE			VOLTS 208Y/120V 3P 4W BUS AMPS 200 NEUTRAL 100%				AIC 14,000 MAIN BKR 200 LUGS STANDARD				
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	20/1	SPACE	0			2	20/1	(E) ELEVATOR AND EXIT LIGHTS	0		
3	20/1	SPACE		0		4	20/1	(E) MECHANICAL ROOM LIGHTS		0	
5	20/1	SPACE			0	6	20/1	SPACE			0
7	20/1	SPACE	0			8	20/1	SPACE	0		
9	20/1	SPACE		0		10	20/1	SPACE		0	
11	20/1	SPACE			0	12	20/1	SPACE			0
13	20/1	SPACE	0			14	20/1	SPACE	0		
15	20/1	SPACE		0		16	20/1	SPACE		0	
17	20/1	SPACE			0	18	20/1	SPACE			0
19	20/1	SPACE	0			20	20/1	SPACE	0		
21	20/1	SPACE		0		22	20/1	SPACE		0	
23	20/1	SPACE			0	24	20/1	SPACE			0
25	20/1	SPACE	0			26	20/1	SPACE	0		
27	20/1	SPACE		0		28	20/1	SPACE		0	
29	20/1	SPACE			0	30	20/1	SPACE			0
31	20/1	SPACE	0			32	20/1	SPACE	0		
33	20/1	SPACE		0		34	20/1	SPACE		0	
35	20/1	SPACE			0	36	20/1	SPACE			0
37	20/1	SPACE	0			38	20/1	SPACE	0		
39	20/1	SPACE		0		40	20/1	SPACE		0	
41	20/1	SPACE			0	42	20/1	SPACE			0
TOTAL CONNECTED KVA BY PHASE									0	0	0
CONN KVA			CALC KVA			TOTAL LOAD			CALC KVA		
						BALANCED 3-PHASE LOAD			0 A		

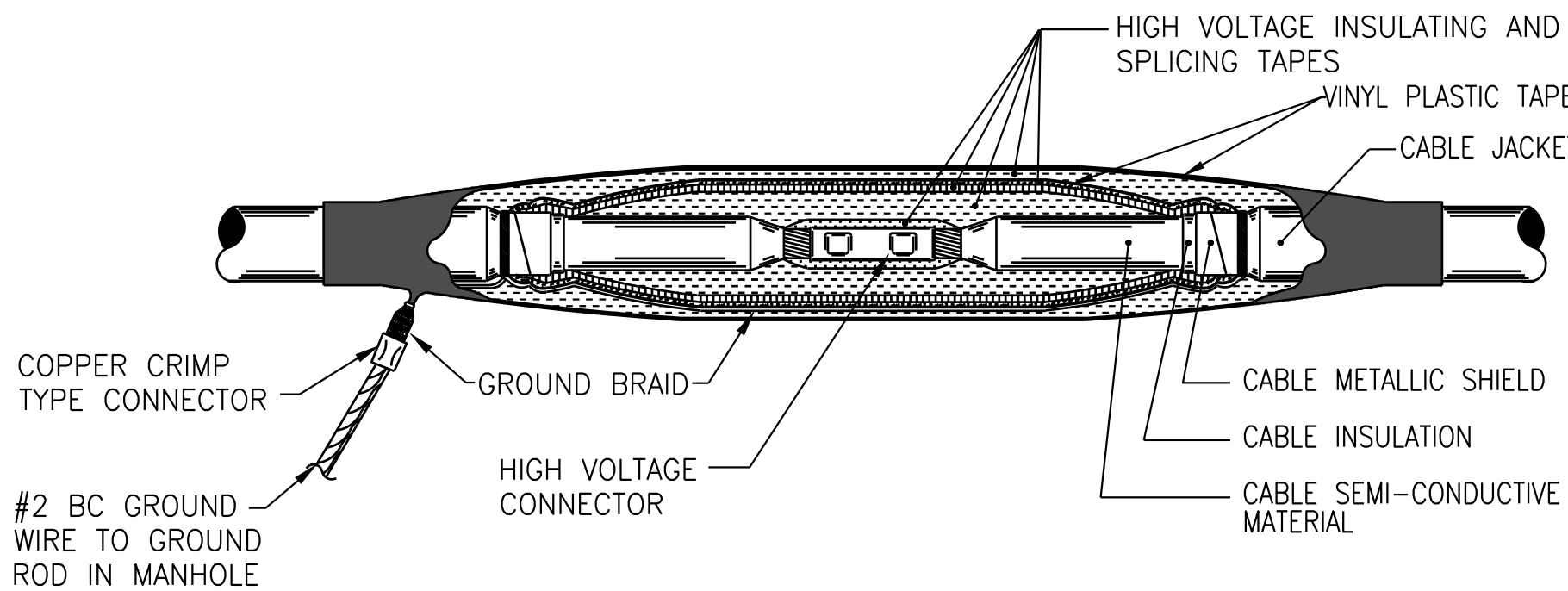
KEY NOTES

- 1 CIRCUITS WITH EMERGENCY LOADS SHOULD BE MOVED FROM PANEL G PER KYNOTE 15 ON E0.02.
- 2 SPARE CIRCUIT BREAKERS IN PANEL MAY BE UTILIZED FOR OTHER EMERGENCY LOADS NOT IDENTIFIED IN DESIGN WHICH SHOULD BE MOVED FROM PANEL G.

PANEL SCHEDULE

SCALE: NTS

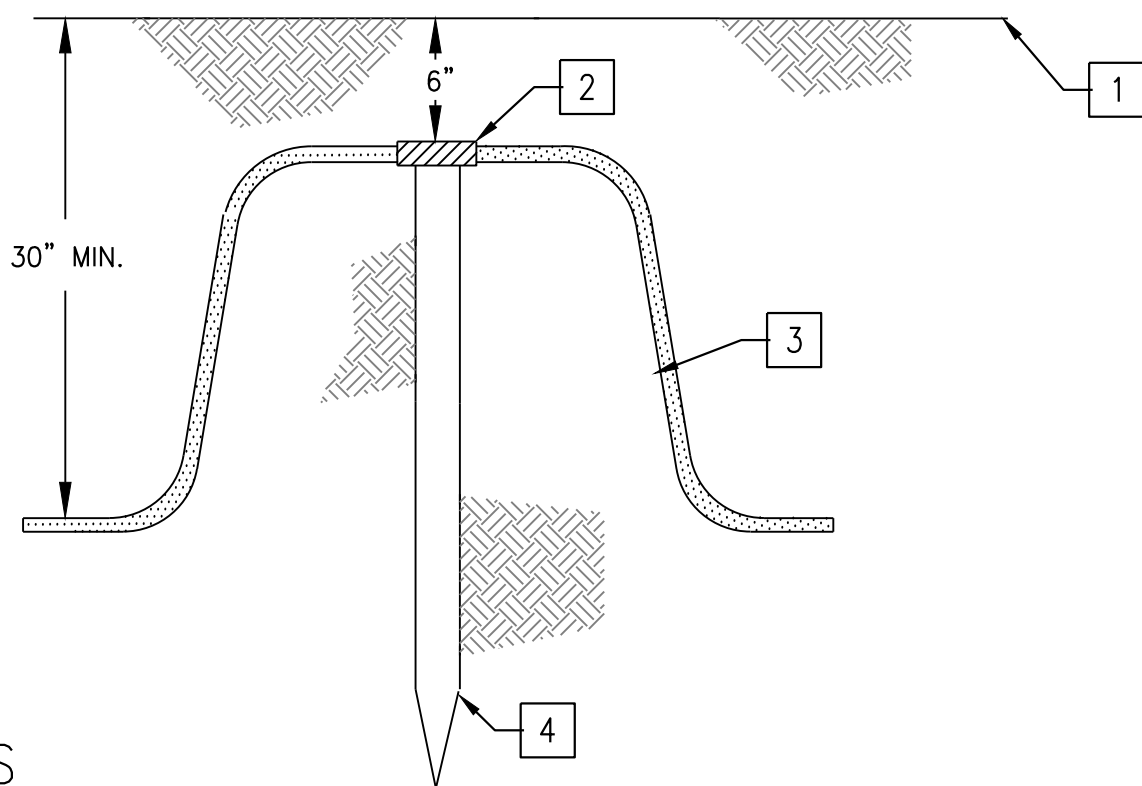
E0.02



15KV CLASS SHIELDED INLINE SPLICE

SCALE: NTS

E2.00



KEY NOTES

- 1 FINISH GRADE.
- 2 CONNECT GROUND ROD TO GROUND GRID WITH EXOTHERMIC WELD.
- 3 B.C. STRANDED GROUND WIRE. REFER TO DRAWINGS FOR SIZE.
- 4 3/4" DIA. X 10' LONG COPPERCLAD STEEL GROUND ROD.

GROUND ROD DETAIL

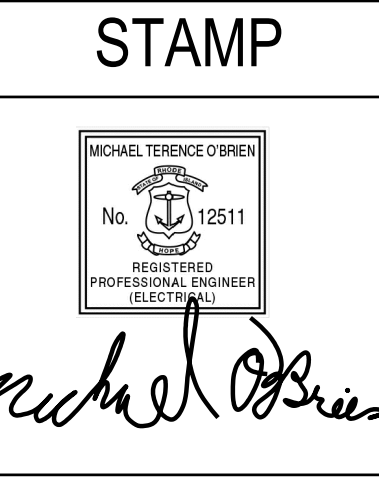
SCALE: NTS

E1.00, E3.01



Revision:	Date:

CONSULTANTS		
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Project Title: CCRI KNIGHT CAMPUS FIELDHOUSE GENERATOR AND TRANSFORMER REPLACEMENT		Project Number 2125	
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Drawing Title: DETAILS		Drawing Number E3.01	
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