

# Lewis County Public Safety Building Generator Replacement

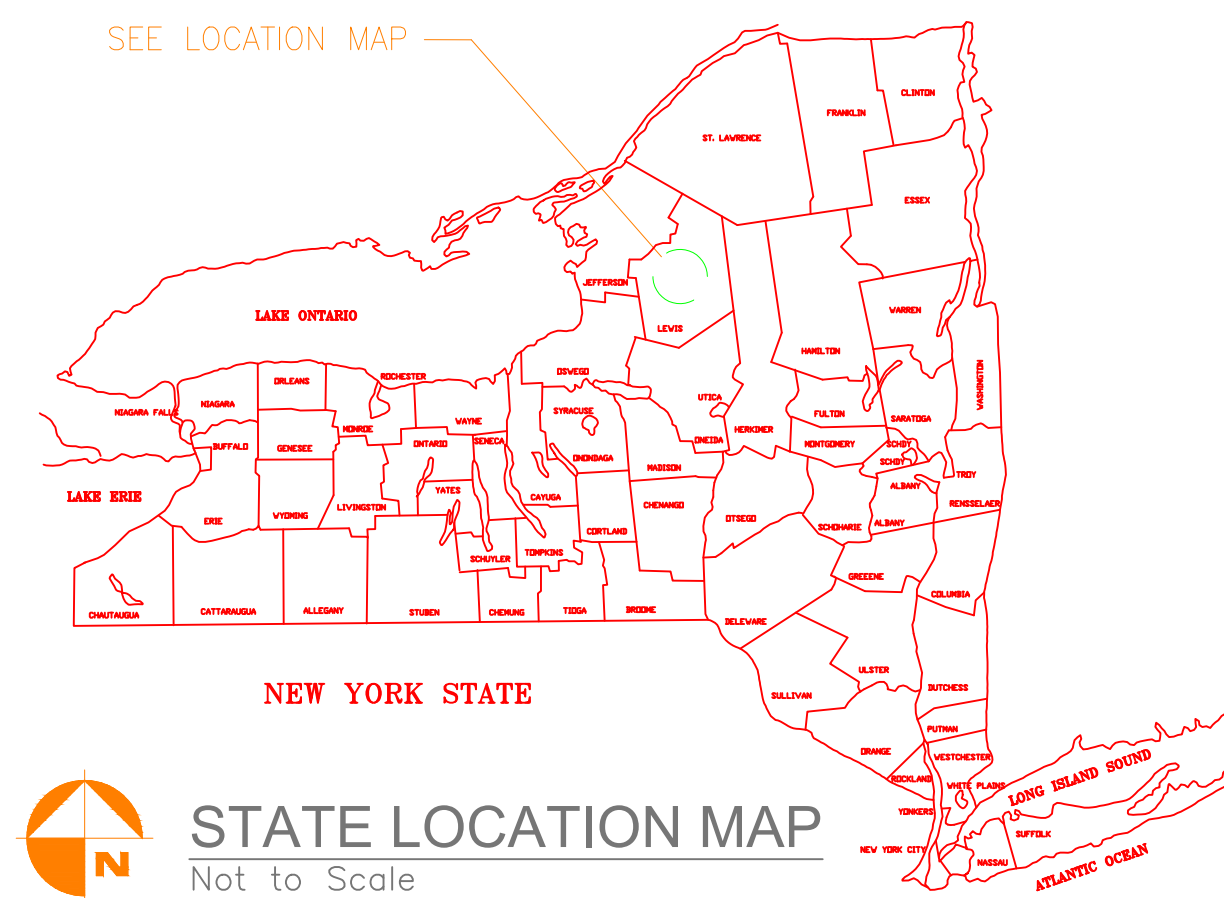
Town of Lowville, Lewis County, New York  
BID SET January 6, 2026

## DRAWING LIST

T1	TITLE SHEET
C-100	SITE PLAN
C-200	SITE DETAILS
A-100	ARCHITECTURAL PLAN
A-101	WINDOW DETAILS
E-000	GENERAL NOTES AND LEGENDS
E-100	ELECTRICAL PLAN
E-200	ELECTRICAL DETAILS
E-700	ELECTRICAL SINGLE LINE DIAGRAMS

## COUNTY OFFICIALS

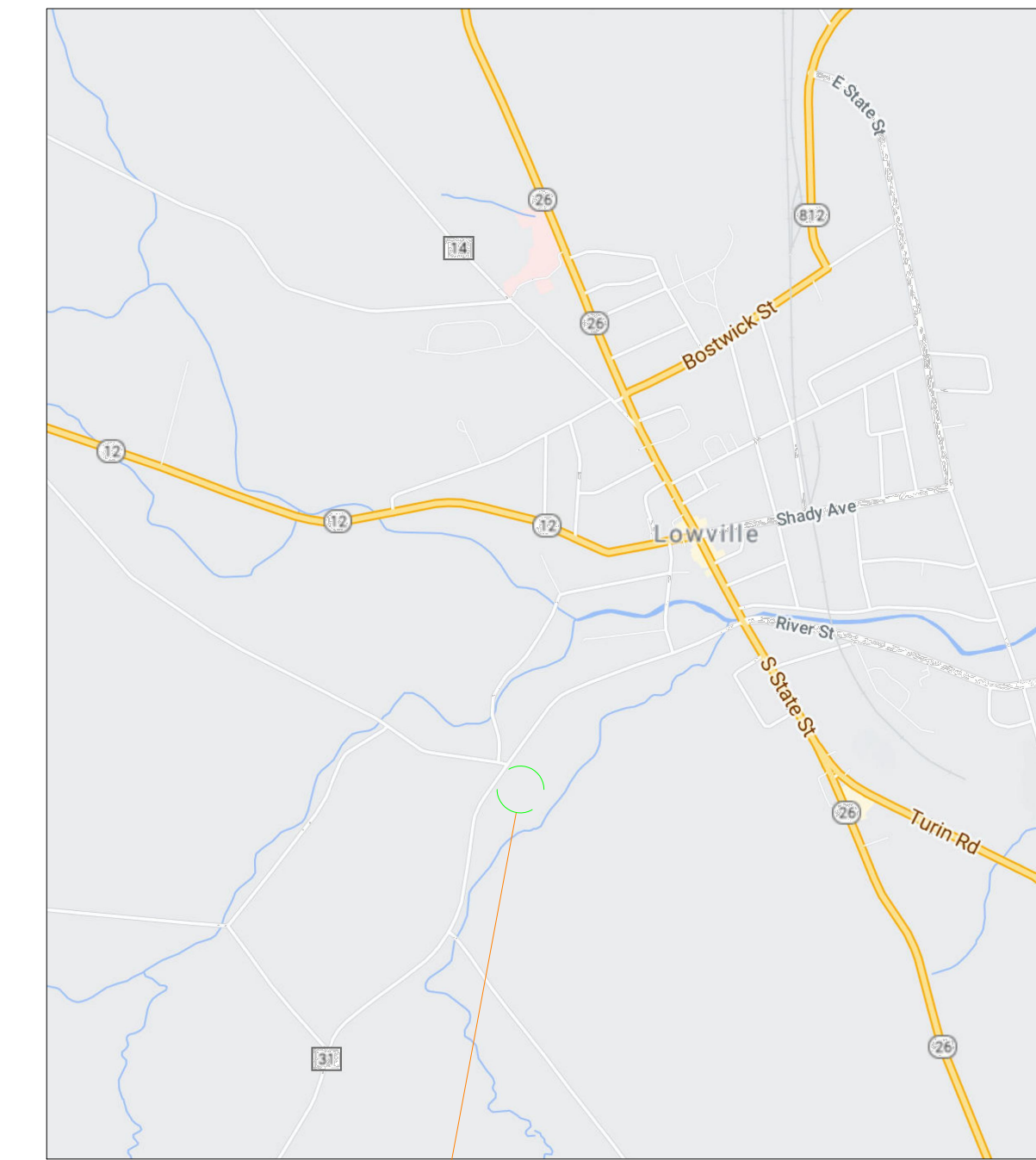
County Manager	Timothy Hunt
Director of Buildings & Grounds	Matt O'Connor



## ST LAWRENCE ENGINEERING DPC

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CLIENT: LEWIS COUNTY  
PROJECT: PUBLIC SAFETY BUILDING  
GENERATOR REPLACEMENT

DATE: JANUARY 6, 2026  
REVISED:

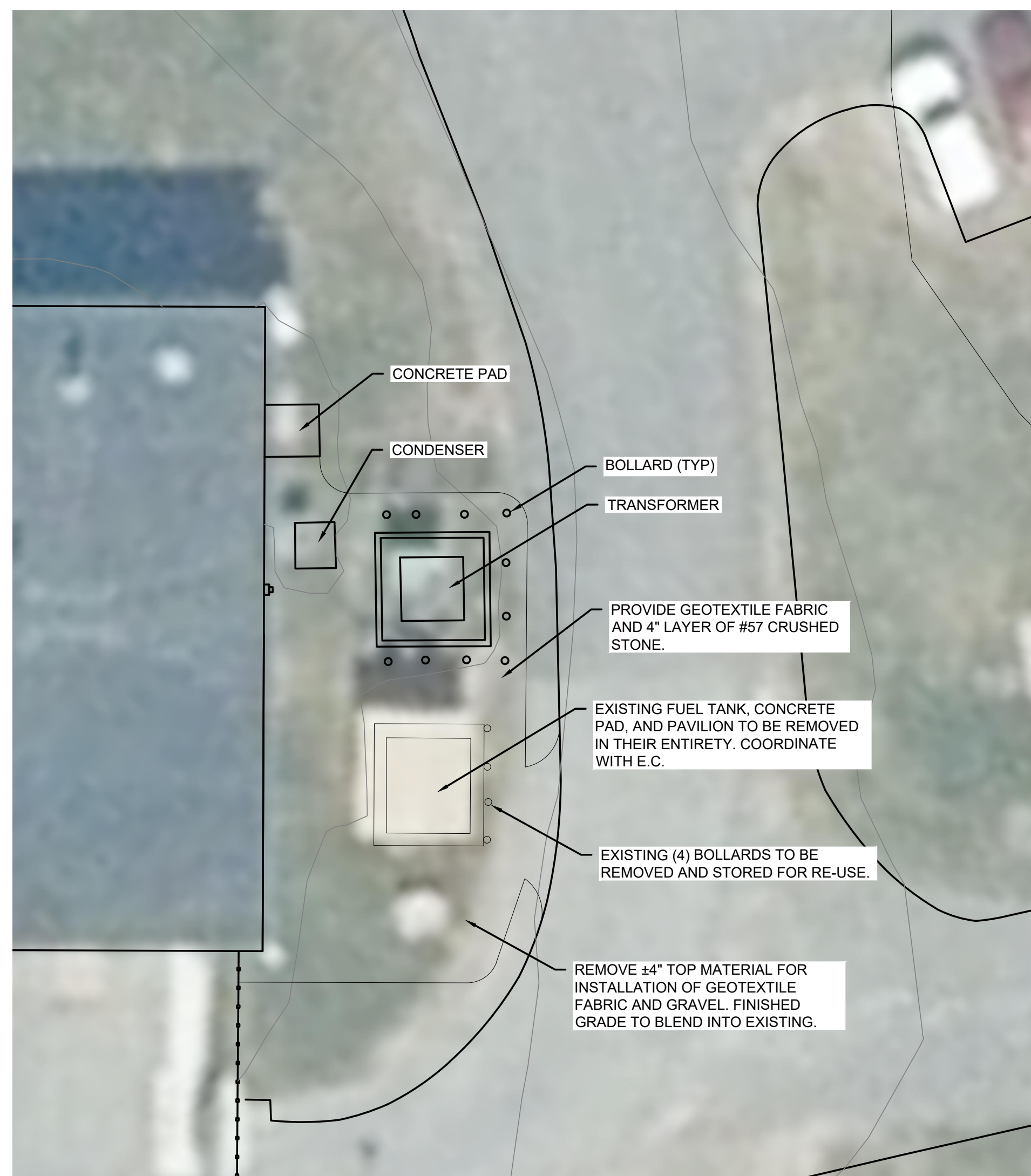
TITLE SHEET

T1

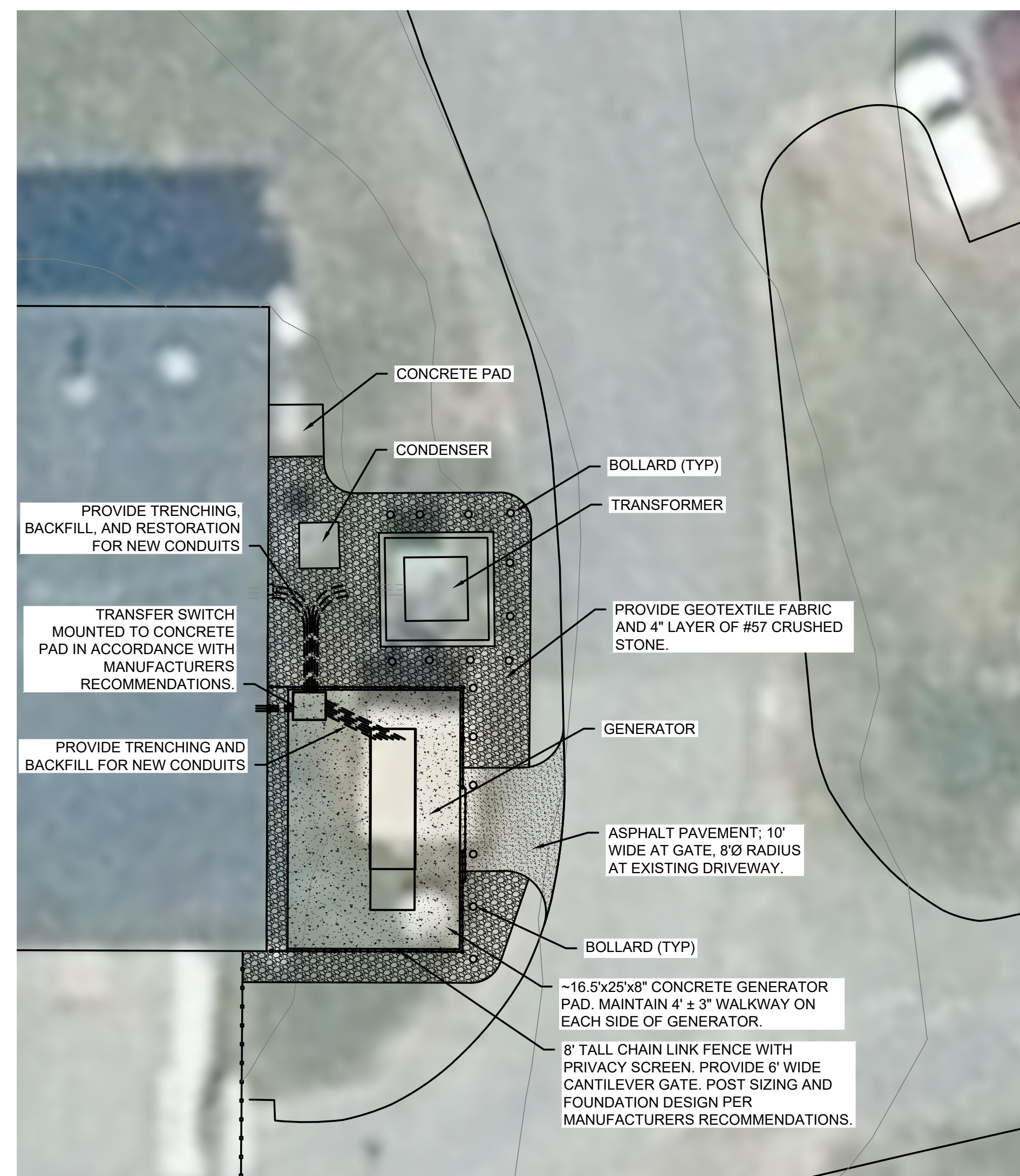


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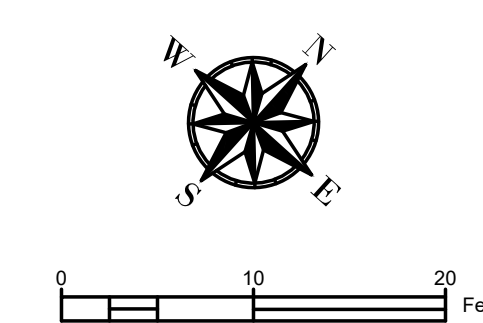
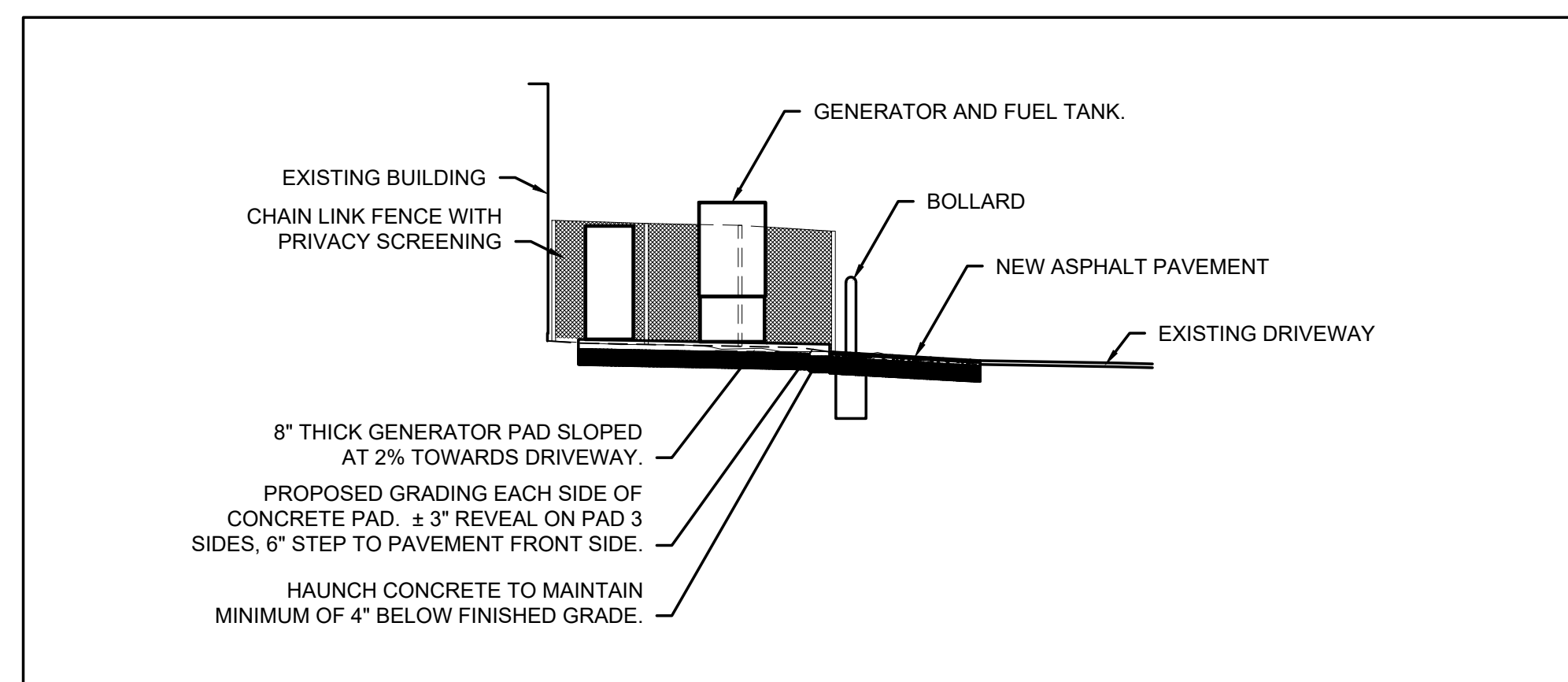
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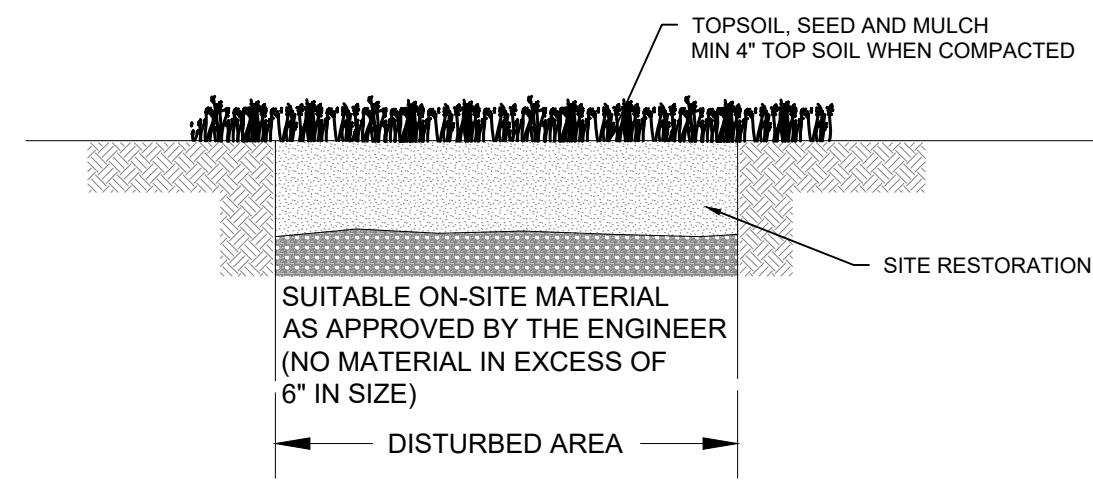
**DEMOLITION PLAN**  
1" = 10'-0"



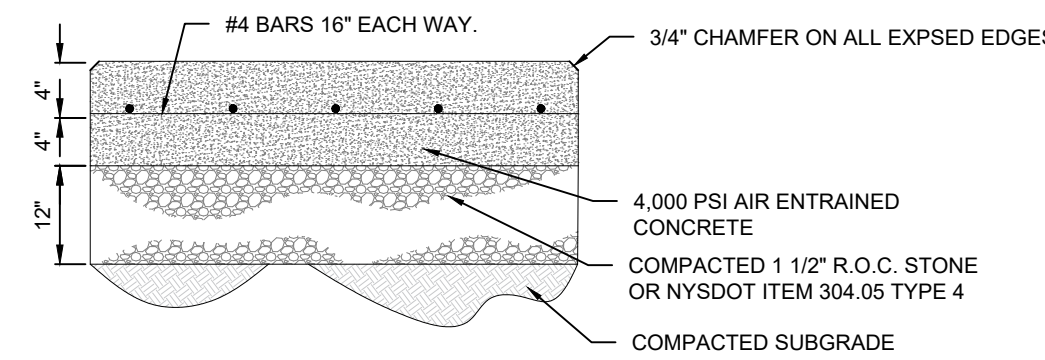
**NEW WORK PLAN**  
1" = 10'-0"



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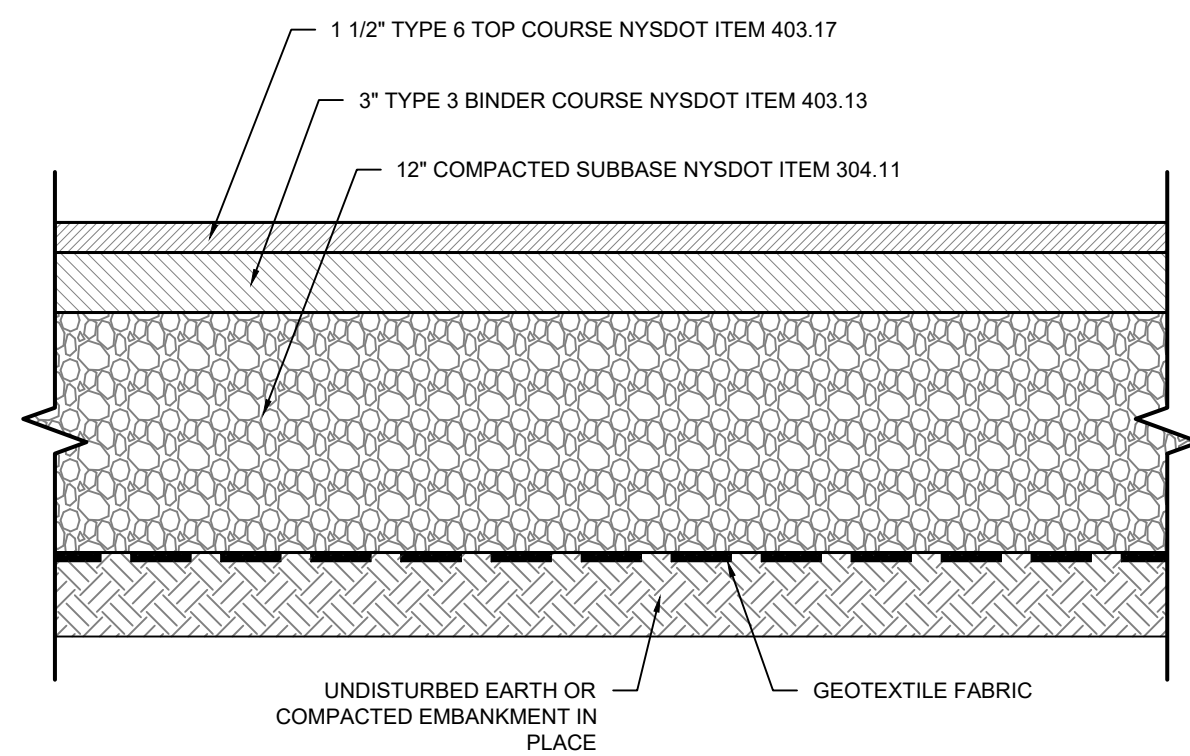


**LAWN RESTORATION DETAIL 1**  
NOT TO SCALE



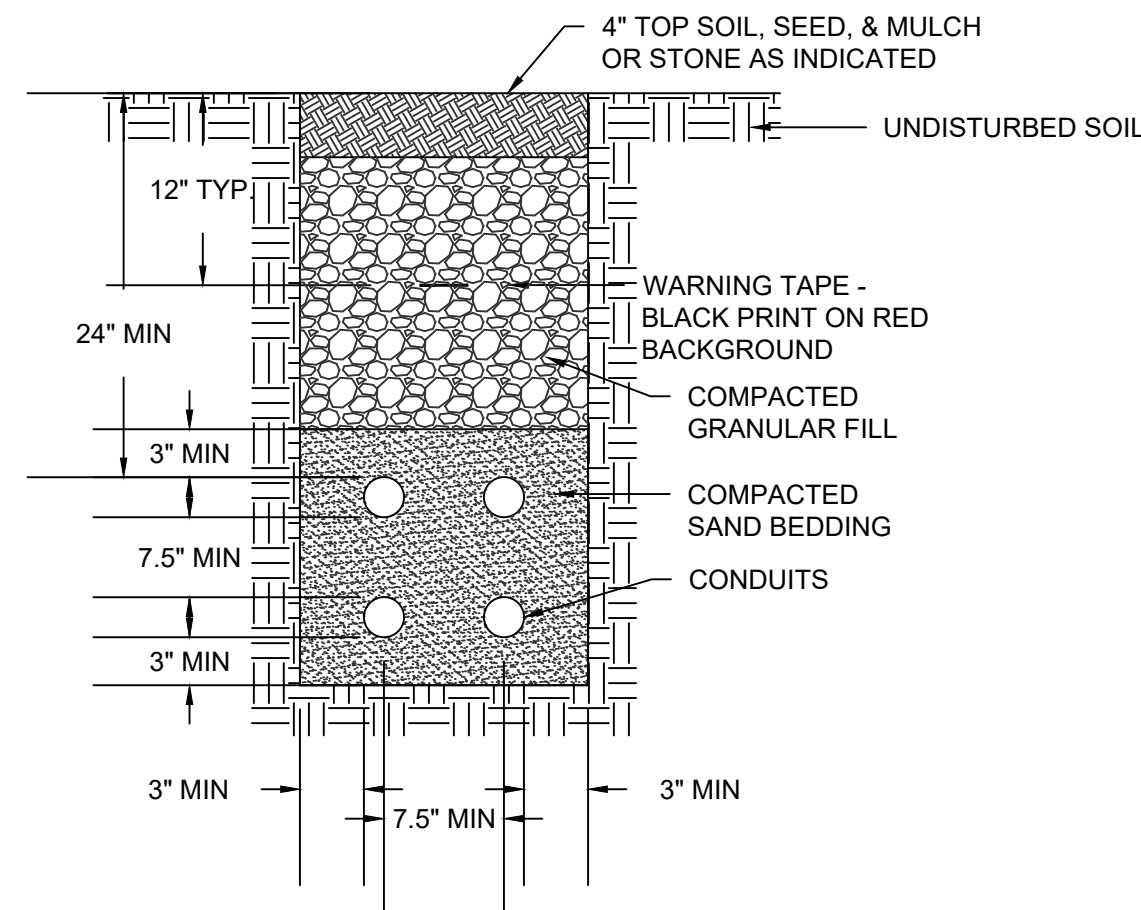
**CONCRETE PAD DETAIL 2**  
NOT TO SCALE

NOTES:  
WIDTH PER SITE PLAN.

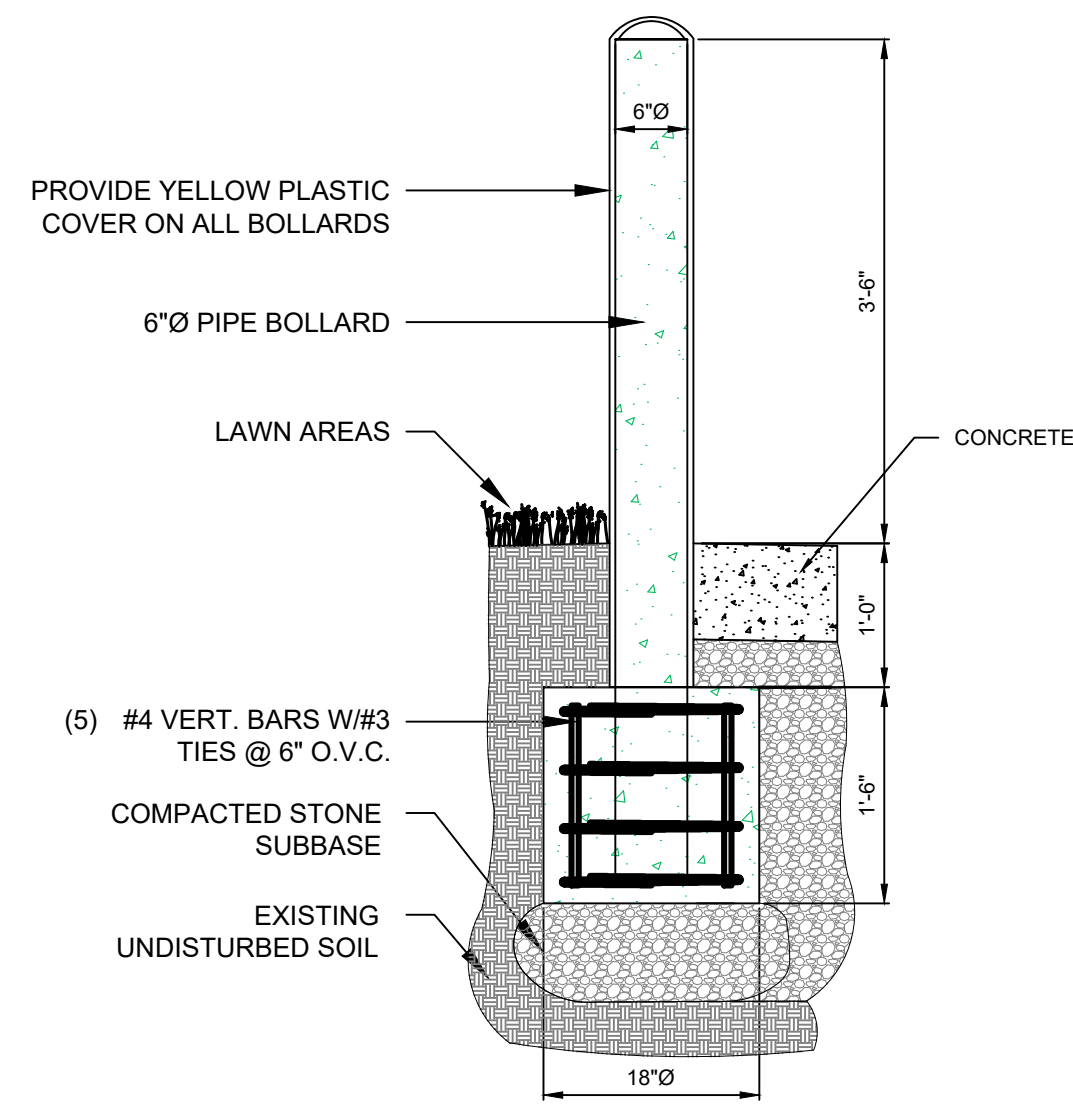


**ASPHALT DRIVEWAY DETAIL 3**  
NOT TO SCALE

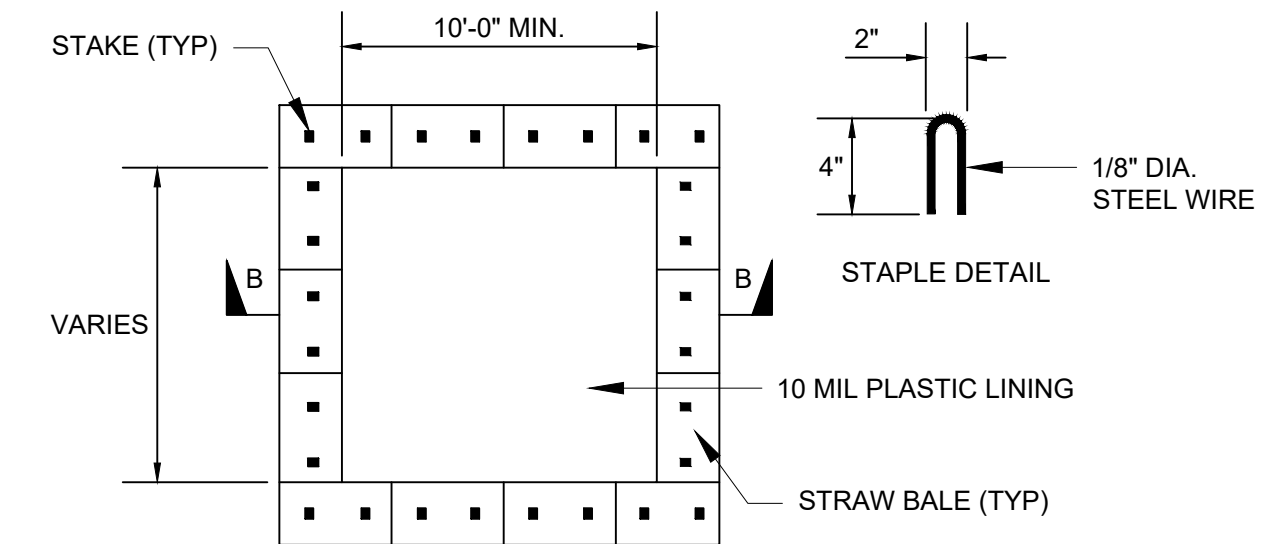
- GENERAL NOTES:**
- COORDINATE DUCT BANK REQUIREMENTS ( IF ANY) FOR SERVICE WITH THE UTILITY.
  - POWER AND COMMUNICATION CONDUITS TO HAVE SEPARATION OF 12" MINIMUM.
  - DETAIL IS TYPICAL AND MAY NOT REFLECT EXACT QUANTITY AND LAYOUT OF CONDUITS REQUIRED FOR PROJECT.
  - FINISHED SURFACE TO MATCH SURFACE BEING DISTURBED.



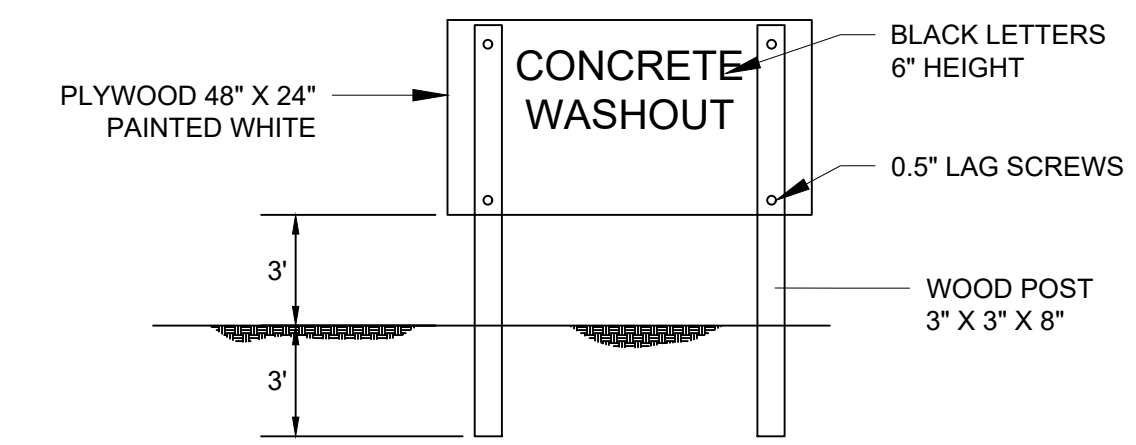
**TYPICAL SAND FILLED DUCT BANK DETAIL 4**  
NOT TO SCALE



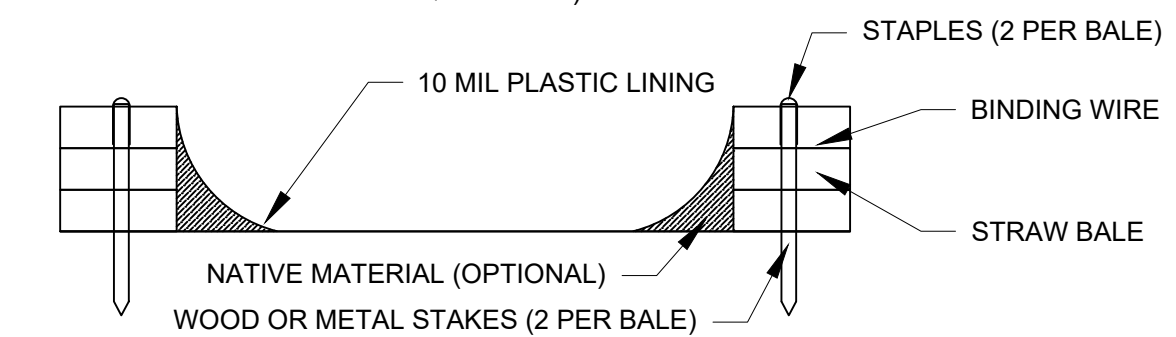
**BOLLARD DETAIL 5**  
NOT TO SCALE



**PLAN**  
NOT TO SCALE  
TYPE "ABOVE GRADE" WITH STRAW BALES



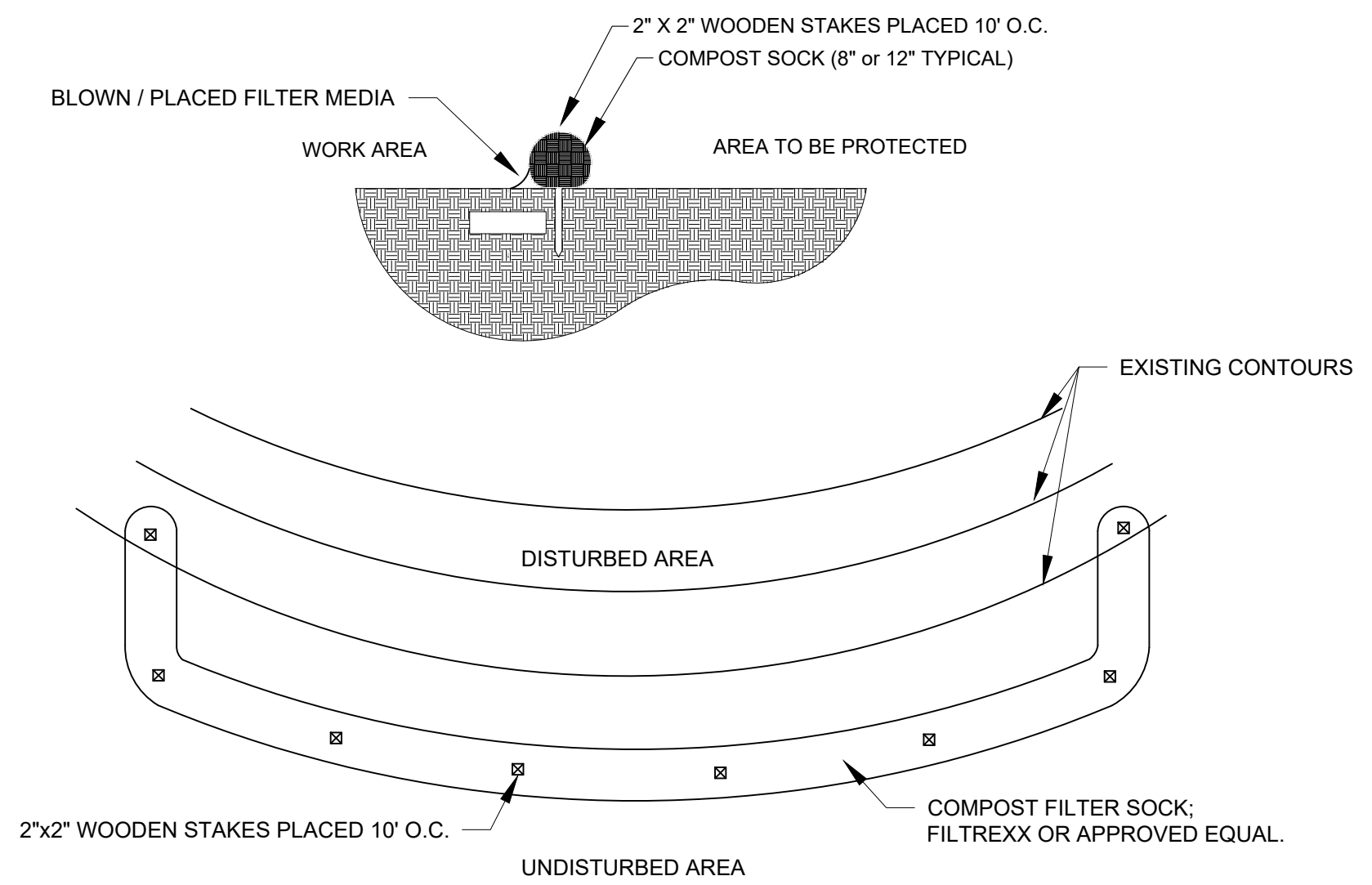
**CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)**  
NOT TO SCALE



**SECTION B-B**  
NOT TO SCALE

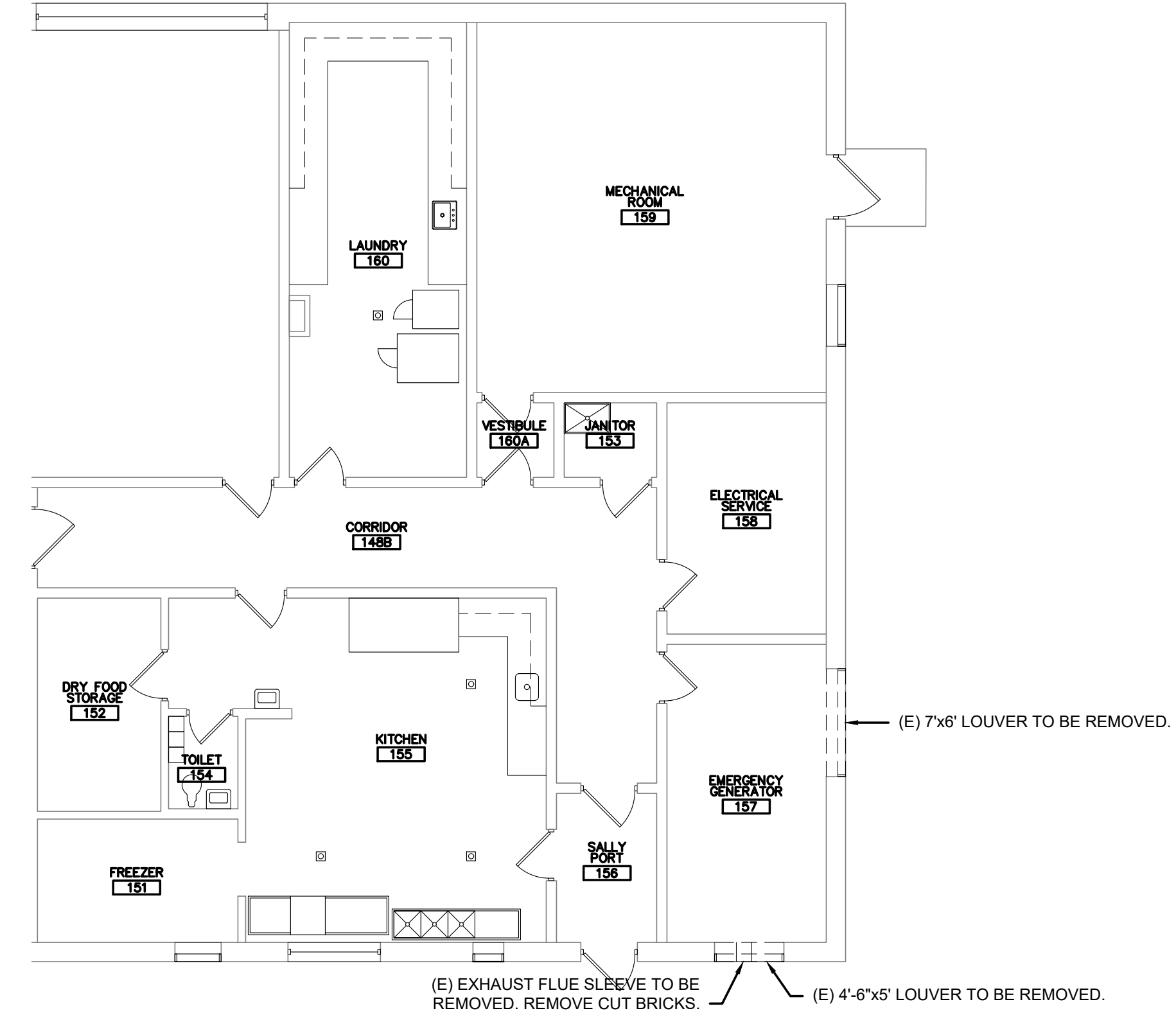
- NOTES:
- ACTUAL LAYOUT DETERMINED IN FIELD.
  - THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

**CONCRETE TRUCK ABOVE GRADE WASHOUT DETAIL 6**  
NOT TO SCALE

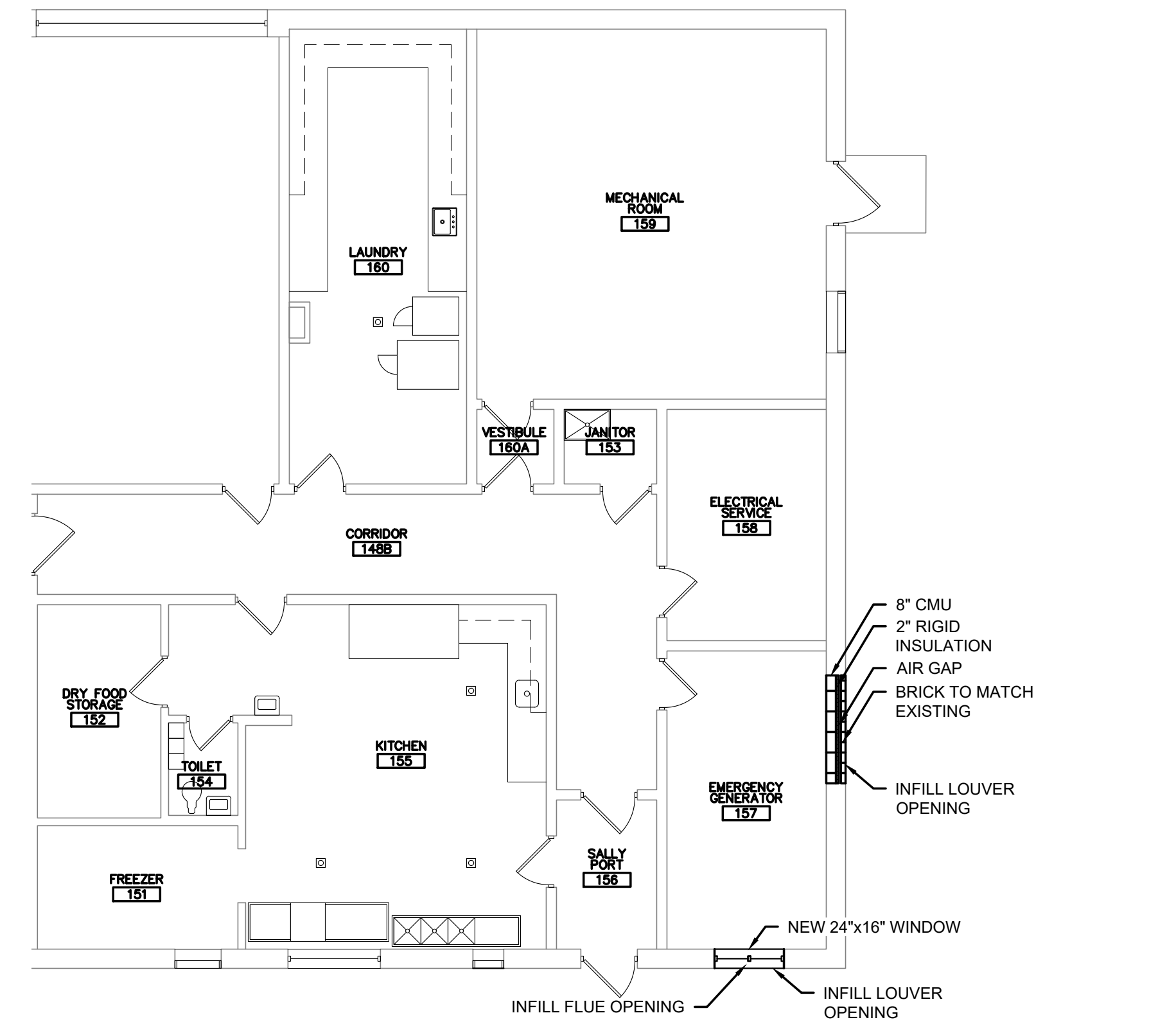


**TYPICAL STAKED FIBER ROLL DETAIL 7**  
NOT TO SCALE





**FIRST FLOOR PLAN**  
1/8"=1'-0" DEMOLITION



**FIRST FLOOR PLAN**  
1/8"=1'-0" NEW WORK



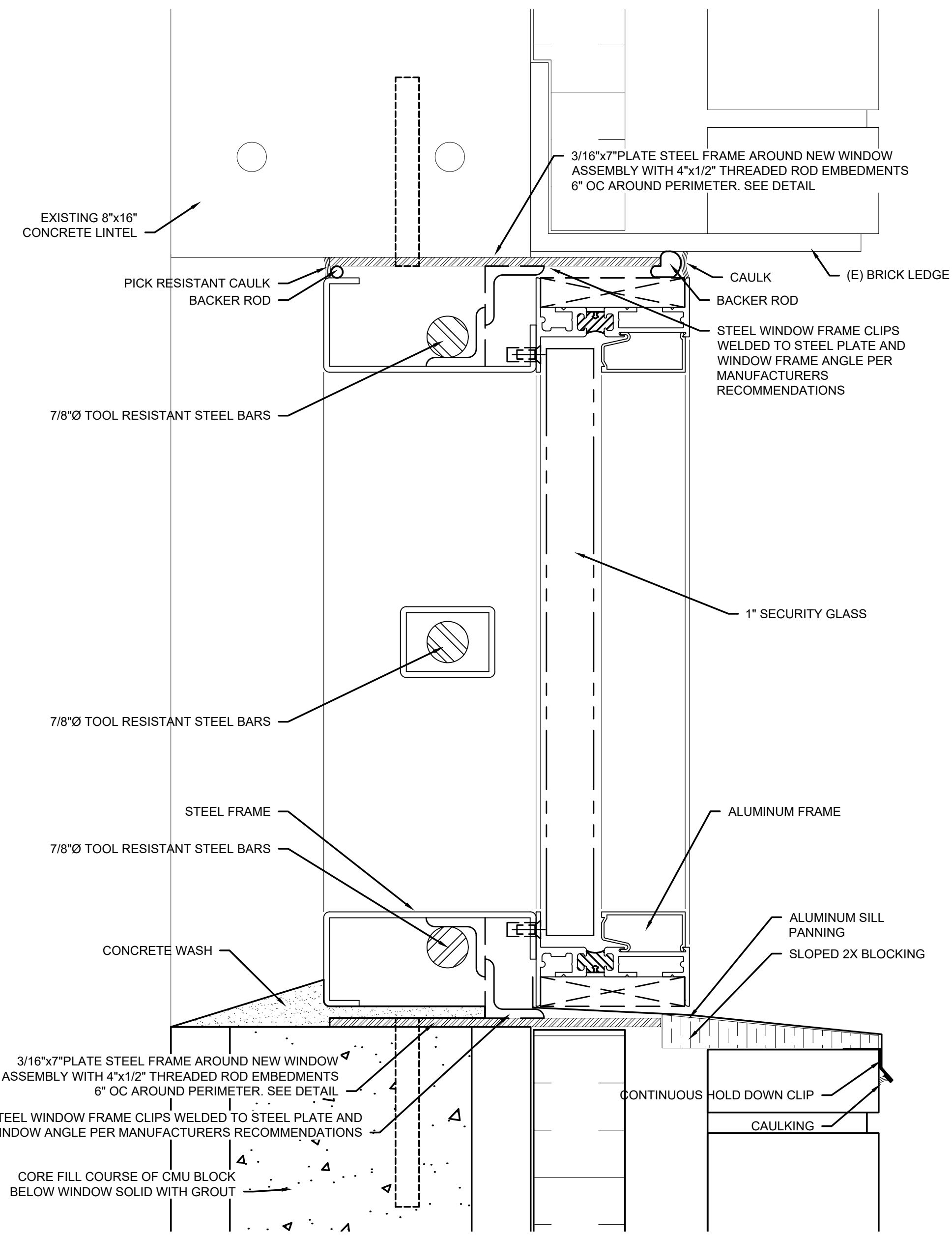
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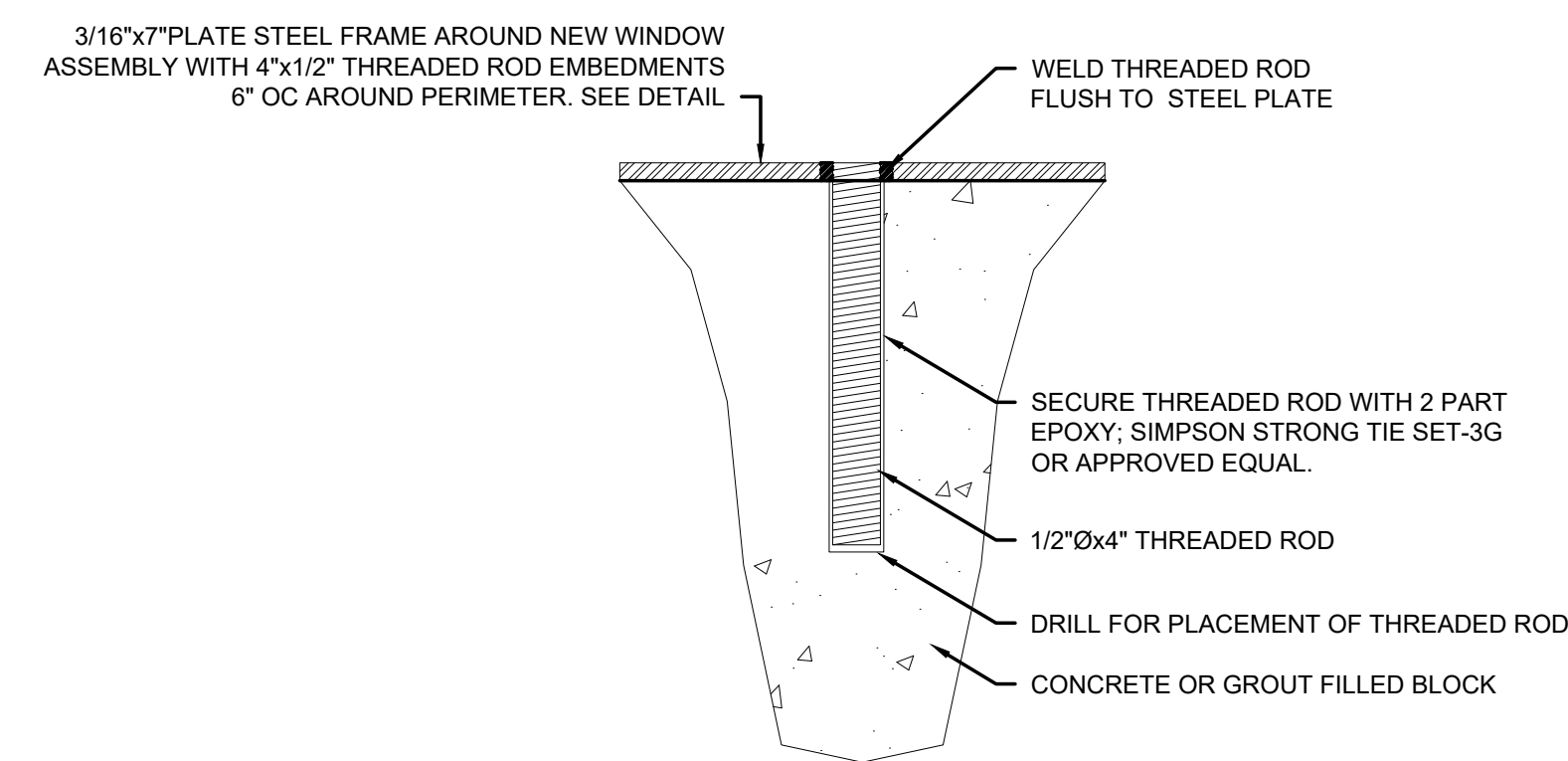
ARCHITECTURAL  
PLAN

**A-100**

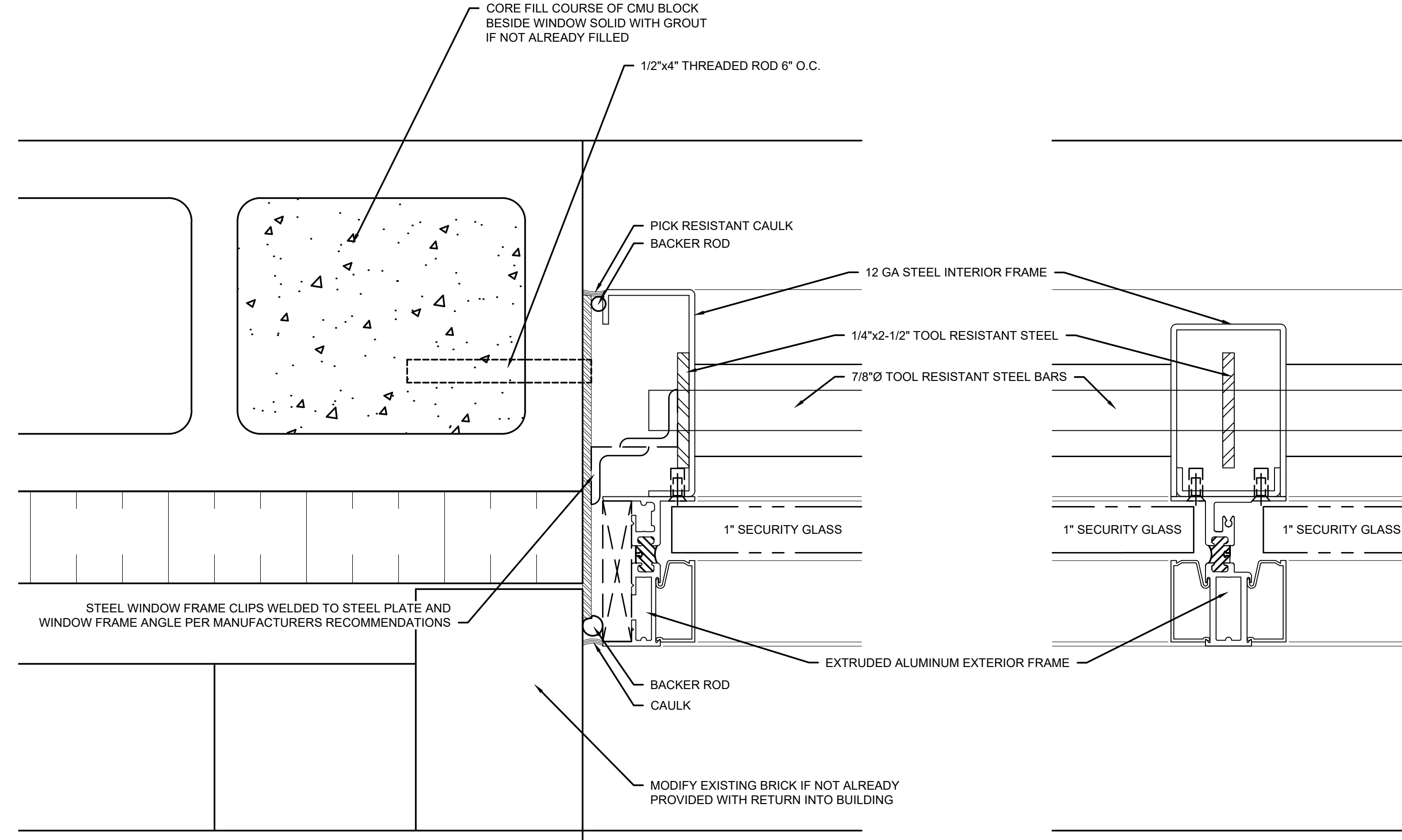
DRAWN BY: DEB CHECKED BY: RJC SCALE: 1/8"=1'-0"



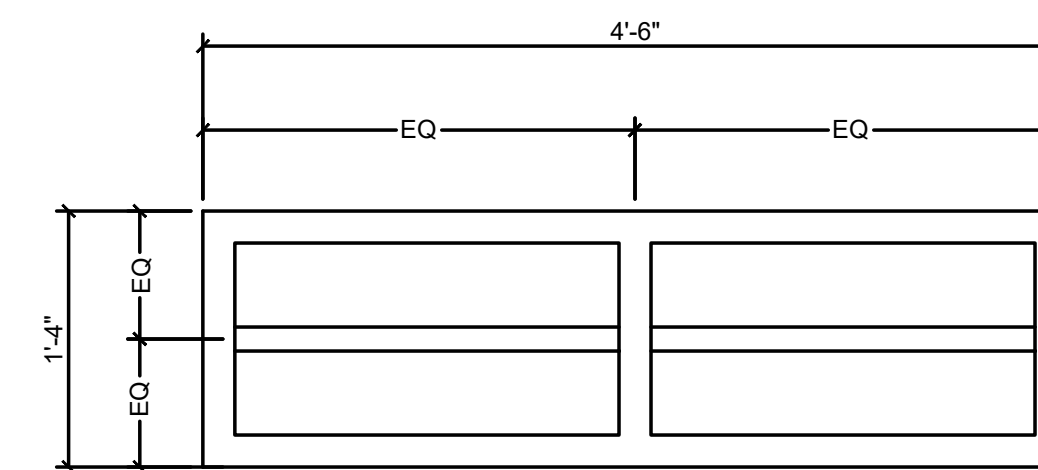
**WINDOW DETAIL A**  
6"=1'-0" NEW WORK



**WINDOW SUB FRAME MOUNTING DETAIL C**  
6"=1'-0" NEW WORK

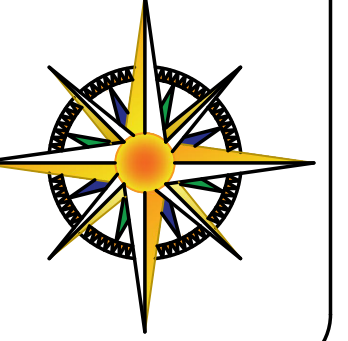


**WINDOW DETAIL B**  
6"=1'-0" NEW WORK



**WINDOW TYPE 1**  
1"=1'-0"

PROVIDE FIXED SECURITY GLAZING



**GENERAL SPECIFICATIONS**

- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.
- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND REPRESENT A COMPLETED PROJECT. MINOR MODIFICATIONS OF WORK SHALL BE PROVIDED BY THE CONTRACTOR TO COMPLY WITH PROJECT REQUIREMENTS. LOCATIONS OF DEVICES AND EQUIPMENT SHALL SHOW A GENERAL ARRANGEMENT AND INTENDED FUNCTION. ALL COMPONENTS SHOWN ON THE RISER DIAGRAMS, BUT NOT ON THE PLAN OR VICE VERSA, SHALL BE INCLUDED AS IF SHOWN ON BOTH. EXACT LOCATION OF MECHANICAL EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS ARE SHOWN ON THE MECHANICAL DRAWINGS. BEFORE INSTALLATION OF WORK, CHECK FOR SWINGS AND ALL REQUIRED CLEARANCES, TO AVOID INTERFERENCE WITH OTHER TRADES. COORDINATE WITH ALL CONTRACT DOCUMENTS, SHOP DRAWINGS AND EQUIPMENT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONTRACT DRAWINGS.
- PROVIDE ELECTRICAL CONNECTION FOR EVERY FIXTURE, OR ITEM OF EQUIPMENT REQUIRING SAME, WHICH IS SHOWN ON ANY CONTRACT DRAWING.
- INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND CONDITIONS FOR WARRANTY AND GUARANTEE. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE AND SATISFACTORY INSTALLATION READY FOR CONTINUOUS USE.
- WHERE WIRE SIZE IS NOT NOTED ON DRAWINGS, CONTRACTOR SHALL SIZE ACCORDING TO THE NEC AND SHALL ADHERE TO THE FOLLOWING CRITERIA:
  - EQUIPMENT CIRCUITS AND FEEDERS LESS THAN OR EQUAL TO 100A SHALL BE SIZED USING THE 60°C COPPER AMPACITY COLUMN (NEC T310.16)
  - EQUIPMENT CIRCUITS AND FEEDERS GREATER THAN 100A SHALL BE SIZED USING THE 75°C COPPER AMPACITY COLUMN (NEC T310.16). MINIMUM WIRE SIZE SHALL BE #12 THRU #14
  - ALUMINUM SHALL NOT BE USED. CONDUCTORS SHALL BE SOLID UP THROUGH #10.
- GROUNDING: PROVIDE GROUNDING & BONDING IN ACCORDANCE WITH NEC ARTICLE 250. CONDUCTORS SHALL BE COPPER. ALL FEEDERS, BRANCH CIRCUITS, AND OTHER WIRING SYSTEMS SHALL HAVE A SEPARATE DEDICATED GREEN INSULATED GROUND WIRE. BONDING: PROVIDE BONDING IN ACCORDANCE WITH NEC ARTICLE 250. ELECTRICALLY CONDUCTIVE MATERIALS ASSOCIATED WITH THE PROJECT SHALL BE CONNECTED TOGETHER IN A MANNER THAT CREATES A PERMANENT, LOW IMPEDANCE PATH FOR GROUND FAULT CURRENT.
- EQUIPMENT OR MATERIALS SHALL BE NEW AND FOR ANY GIVEN SYSTEM AND SHALL BE A PRODUCT OF THE SAME MANUFACTURER, UNLESS NOTED OTHERWISE.
- ALL BRANCH CIRCUITS REQUIRING A NEUTRAL SHALL HAVE SEPARATE DEDICATED FULL SIZE NEUTRAL CONDUCTORS.
- PERFORM WORK AS REQUIRED BY CODES, REGULATIONS AND LAWS OF LOCAL, STATE AND FEDERAL GOVERNMENTS AND OTHER AUTHORITIES WITH LAWFUL JURISDICTION. APPROVED FOR INTENDED SERVICE. ALL MATERIAL AND EQUIPMENT SHALL BE UL, NEMA, ANSI, IEEE, ADA & CBM
- MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE AND CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED. GUARANTEE WORK IN WRITING FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE.
- SHOP DRAWINGS AND SUBMITTALS SHALL BE PROVIDED FOR ALL EQUIPMENT SHOWN ON THE DRAWINGS. DEVIATION FROM CONTRACT DOCUMENTS, OR PROPOSED SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THOSE SPECIFIED, SHALL BE REQUESTED IN ADVANCE.
- ALL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE.
- ALL RACEWAYS RUNNING THROUGH BUILDING EXPANSION JOINTS SHALL BE EQUIPPED WITH EXPANSION FITTINGS.
- MINIMUM BRANCH CIRCUIT WIRING SHALL BE NO. 12 AWG SOLID COPPER. BRANCH CIRCUITS LONGER THAN 75 FEET FOR 120V CIRCUITS SHALL BE AT LEAST #10 FROM PANEL TO LAST OUTLET.
- CUT AND PATCH BUILDING STRUCTURE AS REQUIRED. PROVIDE U.L. LISTED FIRE STOP METHODS FOR PENETRATIONS OF FIRE-RATED BUILDING COMPONENTS OR BARRIERS PER UL REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL AND CEILING RATINGS. WATERPROOF ALL EXTERIOR OUTDOOR PENETRATIONS. THIS WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL.
- CONTRACTOR SHALL FIELD VERIFY ALL SITE CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF ANY WORK OR SHOP FABRICATION. REQUIRED CHANGES TO WORK SHOWN ON CONSTRUCTION DRAWINGS SHALL BE APPROVED BY THE ENGINEER IN WRITING, OTHER TRADES AND OWNER AS REQUIRED PRIOR TO ANY CONSTRUCTION.
- THE WORK INCLUDED IN THIS CONTRACT ENCOMPASSES THE DRAWINGS AND SPECIFICATIONS. WORK INCLUDED ON THE DRAWINGS ONLY, OR IN THE SPECIFICATIONS ONLY, SHALL BE INCORPORATED AS IF INCLUDED IN BOTH. ALL SYSTEMS SHOWN ARE INTENDED TO BE COMPLETE AND FULLY FUNCTIONING. THE CONTRACTOR SHALL PROVIDE SUCH COMPONENTS AS NECESSARY FOR A FULLY FUNCTIONING SYSTEM.
- PROVIDE ALL CUTTING AND PATCHING OF BUILDING COMPONENTS REQUIRED TO ACCOMMODATE THE WORK OF THIS CONTRACT. ALL PATCHING SHALL MATCH THE EXISTING COMPONENTS AND FINISHES. CUTTING AND PATCHING WORK SHALL BE PERFORMED BY PERSONNEL TRAINED AND REGULAR EMPLOYED FOR SUCH SERVICES.
- THIS CONTRACTOR SHALL PROVIDE NECESSARY SUPPORT FRAMING, STIFFENERS, BRACING, AND HANGERS WHETHER SHOWN OR NOT TO ENSURE A COMPLETE AND DURABLE SYSTEM. SUPPORT FRAMING CONNECTIONS SHALL BE WELDED UNLESS SPECIFICALLY SHOWN OTHERWISE. ACTUAL SUPPORTS MAY VARY FROM THOSE SHOWN IN DETAILS AND AS REQUIRED FOR EQUIPMENT TO BE FURNISHED OR FOR EXISTING FIELD CONDITIONS.

**GENERAL ABBREVIATIONS**

A	AMPERES
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AFJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTERLINE
CLF	CURRENT LIMITING FUSE
CT	CURRENT TRANSFORMER
CJ	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
F	FUSE
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FT	FEET
GFCI/GFI	GROUND-FAULT CIRCUIT INTERRUPTER
GRD/G	GROUND OR GROUNDING
HOA	HAND, OFF, AUTOMATIC SWITCH
KCML	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTS	LIGHTING
LTM	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCP	MOTOR CIRCUIT PROTECTOR
MLO	MAIN LUGS ONLY
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NF	NON FUSED
NTS	NOT TO SCALE
P	POLE
PH	PHASE
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
REQD	REQUIRED
RMC	RIGID METAL CONDUIT
RTU	ROOF TOP UNIT
SP	SPARE
TYP	TYPICAL
UG	UNDERGROUND OR UNDERGRADE
UNO, UNO	UNLESS OTHERWISE NOTED
V	VOLT
W	WIRE
WP	WEATHER PROOF RATED DEVICE
XFMR	TRANSFORMER
Δ	DELTA
Y	WYE
∅	PHASE

**DRAWING NOTATION**

	HEAVY & DOTTED AND/OR HATCHED INDICATES EXISTING EQUIPMENT TO BE DEMOLISHED
	SOLID LIGHT INDICATES EXISTING TO REMAIN EQUIPMENT
	HEAVY & SOLID INDICATES EQUIPMENT TO BE PROVIDED

TEXT ADJACENT TO EQUIPMENT IS SOMETIMES ADDED FOR EXTRA CLARIFICATION ON DEMO/EXISTING TO REMAIN ITEMS. REFER TO LIST BELOW FOR DEFINITIONS.

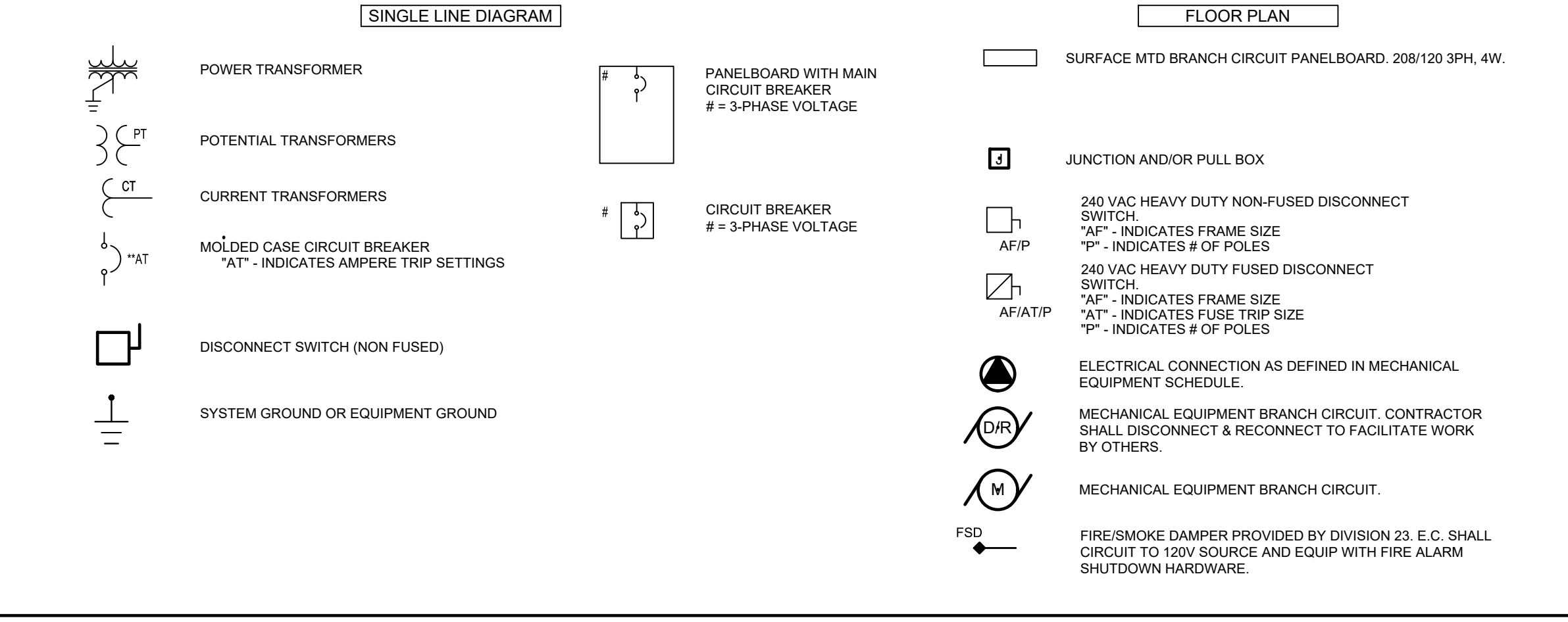
TBR	EXISTING EQUIPMENT TO BE REMOVED.
ETR	EXISTING EQUIPMENT TO REMAIN.
ERE	EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED AS SHOWN.
ETN	EXISTING EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW.

**CIRCUITING**

LPP1-1	HOMERUN TO PANEL "LPP1", CIRCUITS #1 (VIA 20A-1P CB'S). PROVIDE INSULATED GROUND CONDUCTOR IN ACCORDANCE WITH SPECIFICATIONS. NUMBER OF CIRCUITS INDICATED BY QUANTITY OF ARROW HEADS
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CIRCUIT ROUTING SHOWN ON DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL PROVIDE NECESSARY OFFSETS AND ROUTE FEEDERS AFTER HAVING CONSIDERED ALL FIELD OBSTACLES

**POWER EQUIPMENT**



**WIRING DEVICES**

	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., HEAVY DUTY DUPLEX RECEPTACLE, MOUNTING HEIGHT 18" AFF UNO.
	125 VOLT, 2 POLE, 3 WIRE, 20 AMP., HEAVY DUTY DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER.
#	INDICATES PANELBOARD CIRCUIT TO WHICH RECEPTACLE SHALL BE CIRCUITED TO. REFER TO HOMERUN FOR PANELBOARD DESIGNATION.
WP	EXTERIOR RECEPTABLES SUBJECT TO DAMP ENVIRONMENTS SHALL HAVE WEATHER PROOF IN USE BUBBLE COVER WITH PADLOCK CAPABILITY.
GFI	RECEPTACLE EQUIPPED WITH INTEGRAL GROUND FAULT CIRCUIT INTERRUPTOR.

	125V, 20A HEAVY DUTY SWITCH.
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TEXT ADJACENT TO RECEPTABLES INDICATES CONFIGURATION OR ACCESSORIES. REFER TO LIST BELOW FOR DEFINITIONS.

3.4 INDICATES A 3 OR 4-WAY SWITCH.

M MOTOR RATED SNAP SWITCH WITH OVERLOADS. CONTRACTOR SHALL SIZE SWITCH AND OVERLOADS BASED ON ACTUAL NAMEPLATE DATA OF EQUIPMENT SUPPLIED/PURCHASED.

D DIMMING SWITCH - SLIDER TYPE. LINE VOLTAGE STYLE SWITCH SHALL BE COMPATIBLE WITH FIXTURES.

K KEYSWITCH

HOA HAND / OFF / AUTO SWITCH

**LIGHTING**

	LIGHT FIXTURES
	EXIT & EGRESS

"A" CAPITAL LETTER INDICATES FIXTURE TYPE.

EMERGENCY BATTERY UNIT REFER TO LUMINAIRE SCHEDULE

ILLUMINATED "EXIT" SIGN LIGHTING FIXTURE WITH EMERGENCY BATTERY UNIT REFER TO LUMINAIRE SCHEDULE

ILLUMINATED "EXIT" SIGN LIGHTING FIXTURE, CEILING MOUNTED OR WALL MOUNTED.

EXIT SIGNS SHALL BE INSTALLED 8'-0" AFF. MOUNT THE SIGN ON PENDANTS IF THE CEILING HEIGHT OR HEIGHT TO A SUITABLE MOUNTING STRUCTURE IS GREATER THAN 8'-0"

**FIRE ALARM**

	HEAT DETECTOR
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**SECURITY**

	SECURITY CAMERA
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**AUDIO VISUAL**

	SPEAKER - CEILING MOUNTED
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**GENERAL NOTES & LEGENDS**

E-000

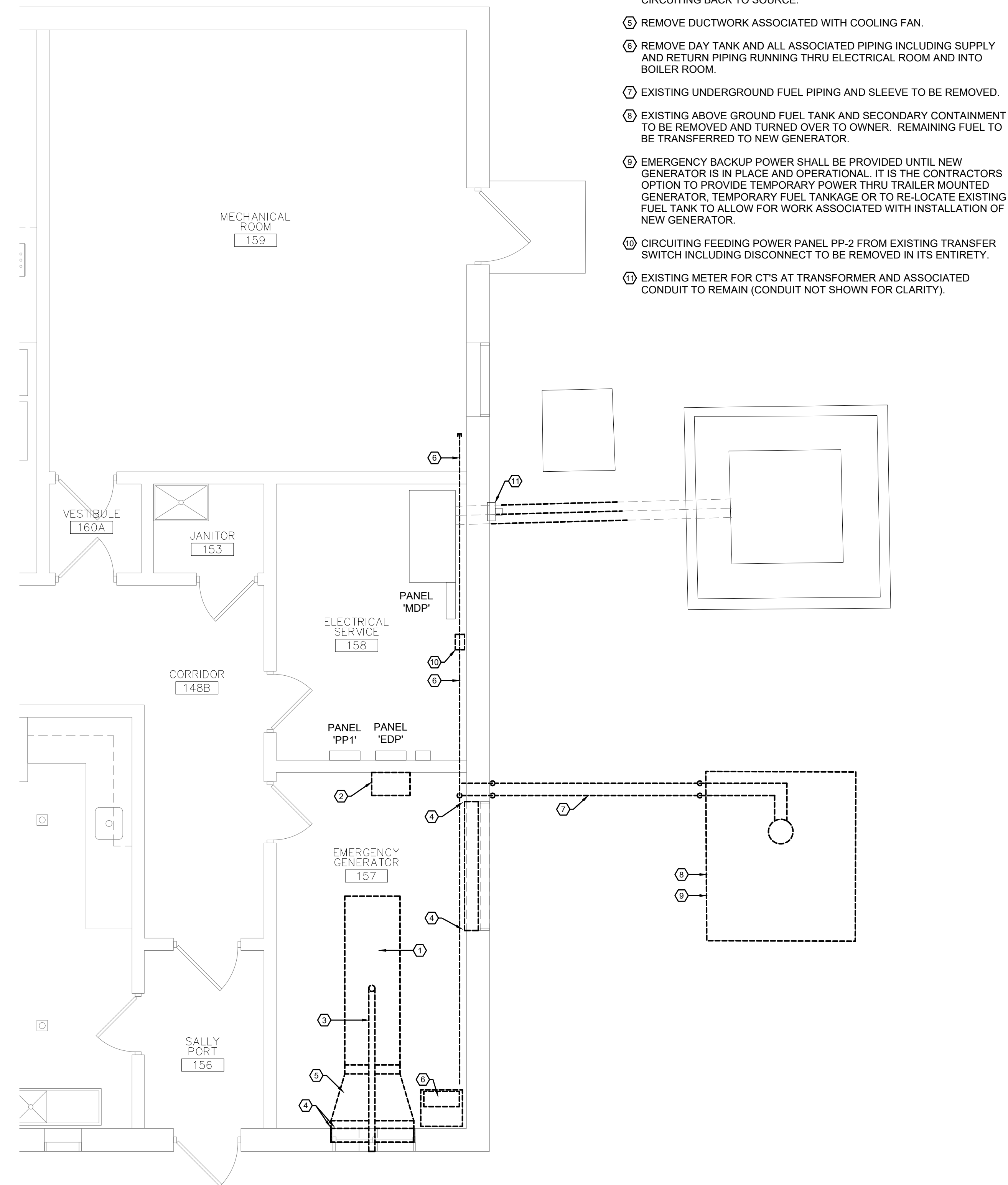
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SCALE(S) NOTED  
CHECKED BY: RJC  
DRAWN BY: DEB

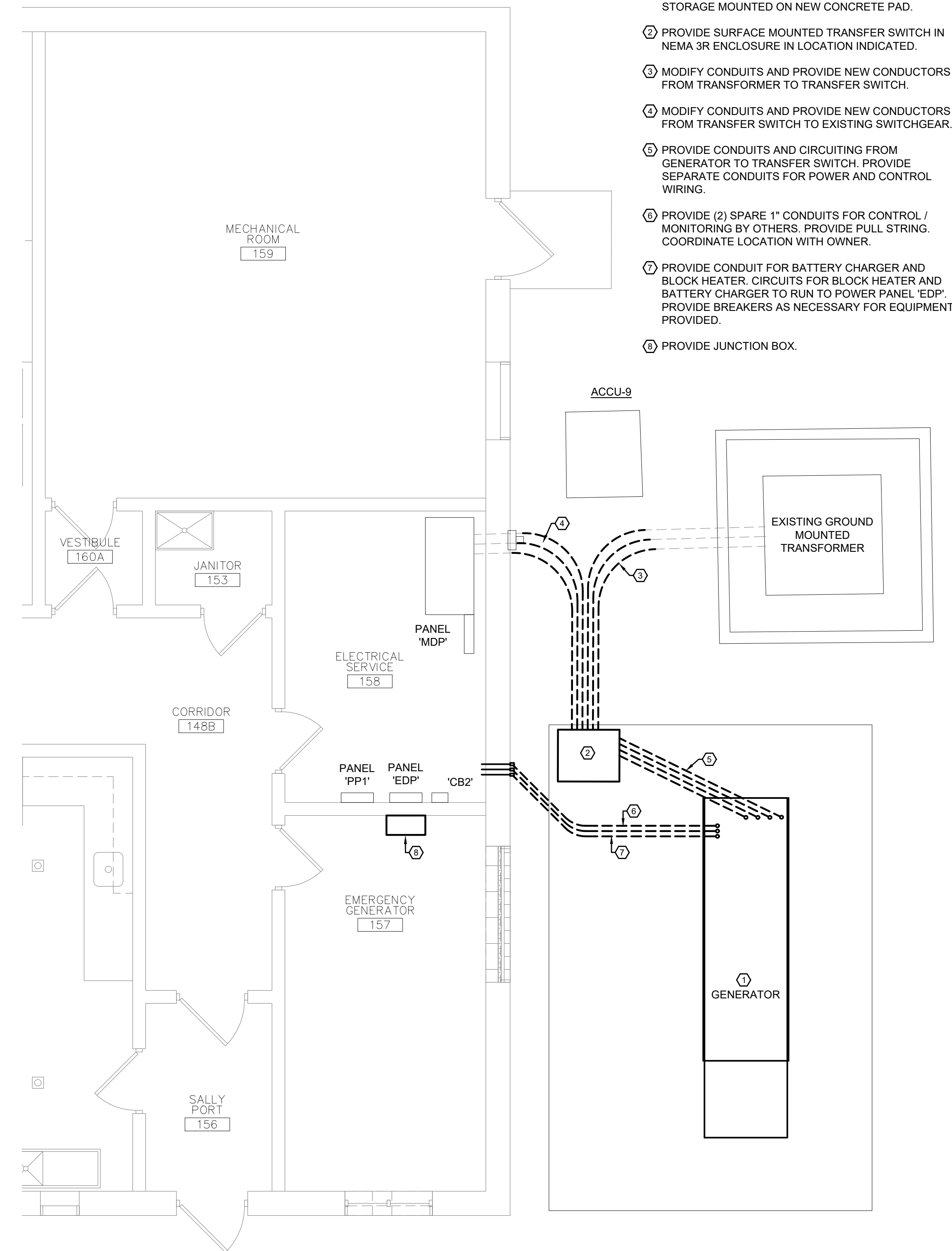
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- KEY NOTES - DEMOLITION:**
- ① EXISTING GENERATOR TO BE REMOVED AND TURNED OVER TO OWNER.
  - ② EXISTING TRANSFER SWITCH TO BE REMOVED AND TURNED OVER TO OWNER.
  - ③ EXISTING GENERATOR EXHAUST TO BE REMOVED IN ITS ENTIRETY.
  - ④ EXISTING CONTROL DAMPERS TO BE REMOVED. REMOVE POWER CIRCUITING BACK TO SOURCE.
  - ⑤ REMOVE DUCTWORK ASSOCIATED WITH COOLING FAN.
  - ⑥ REMOVE DAY TANK AND ALL ASSOCIATED PIPING INCLUDING SUPPLY AND RETURN PIPING RUNNING THRU ELECTRICAL ROOM AND INTO BOILER ROOM.
  - ⑦ EXISTING UNDERGROUND FUEL PIPING AND SLEEVE TO BE REMOVED.
  - ⑧ EXISTING ABOVE GROUND FUEL TANK AND SECONDARY CONTAINMENT TO BE REMOVED AND TURNED OVER TO OWNER. REMAINING FUEL TO BE TRANSFERRED TO NEW GENERATOR.
  - ⑨ EMERGENCY BACKUP POWER SHALL BE PROVIDED UNTIL NEW GENERATOR IS IN PLACE AND OPERATIONAL. IT IS THE CONTRACTORS OPTION TO PROVIDE TEMPORARY POWER THRU TRAILER MOUNTED GENERATOR, TEMPORARY FUEL TANKAGE OR TO RE-LOCATE EXISTING FUEL TANK TO ALLOW FOR WORK ASSOCIATED WITH INSTALLATION OF NEW GENERATOR.
  - ⑩ CIRCUITING FEEDING POWER PANEL PP-2 FROM EXISTING TRANSFER SWITCH INCLUDING DISCONNECT TO BE REMOVED IN ITS ENTIRETY.
  - ⑪ EXISTING METER FOR CT'S AT TRANSFORMER AND ASSOCIATED CONDUIT TO REMAIN (CONDUIT NOT SHOWN FOR CLARITY).

**ELECTRICAL FLOOR PLAN**  
NO SCALE DEMOLITION



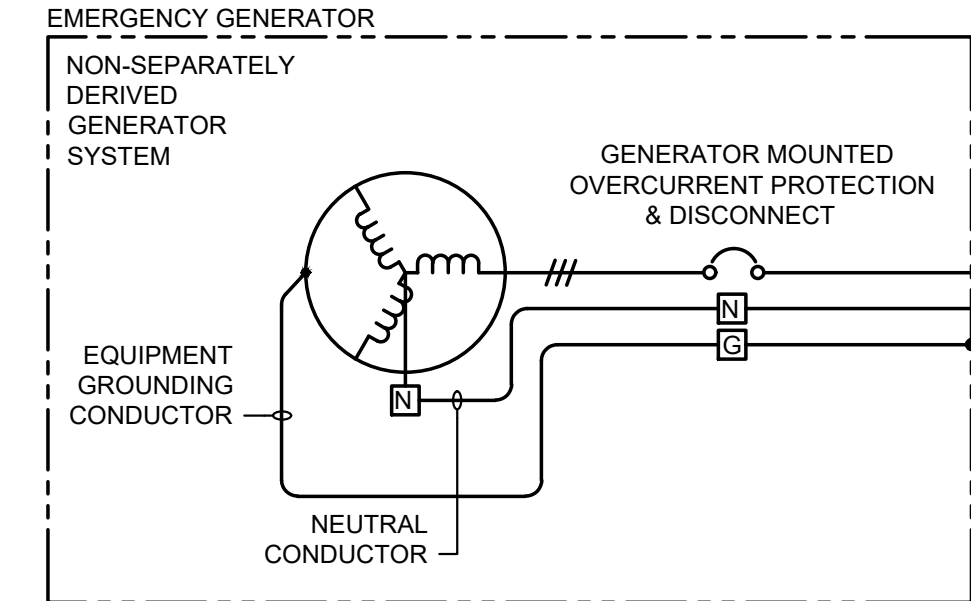
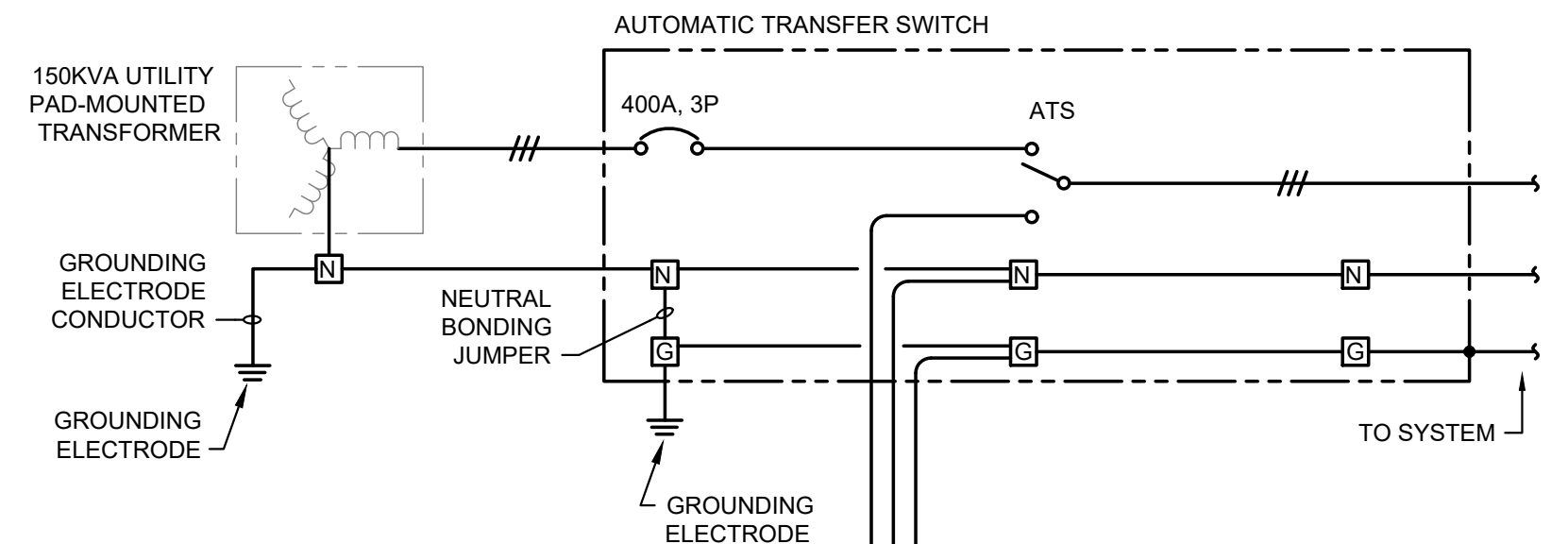
- GENERAL NOTES:**  
ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC.
- KEY NOTES - NEW WORK:**
- ① PROVIDE 250KW, 1800RPM DIESEL GENERATOR WITH BLOCK HEATER, BATTERY CHARGER, SYSTEM MONITORING, AND ACOUSTICALLY LINED SOUND ENCLOSURE WITH MINIMUM OF 2 DAYS OF FUEL TANK STORAGE MOUNTED ON NEW CONCRETE PAD.
  - ② PROVIDE SURFACE MOUNTED TRANSFER SWITCH IN NEMA 3R ENCLOSURE IN LOCATION INDICATED.
  - ③ MODIFY CONDUITS AND PROVIDE NEW CONDUCTORS FROM TRANSFORMER TO TRANSFER SWITCH.
  - ④ MODIFY CONDUITS AND PROVIDE NEW CONDUCTORS FROM TRANSFER SWITCH TO EXISTING SWITCHGEAR.
  - ⑤ PROVIDE CONDUITS AND CIRCUITING FROM GENERATOR TO TRANSFER SWITCH. PROVIDE SEPARATE CONDUITS FOR POWER AND CONTROL WIRING.
  - ⑥ PROVIDE (2) SPARE 1" CONDUITS FOR CONTROL / MONITORING BY OTHERS. PROVIDE PULL STRING. COORDINATE LOCATION WITH OWNER.
  - ⑦ PROVIDE CONDUIT FOR BATTERY CHARGER AND BLOCK HEATER. CIRCUITS FOR BLOCK HEATER AND BATTERY CHARGER TO RUN TO POWER PANEL 'EDP'. PROVIDE BREAKERS AS NECESSARY FOR EQUIPMENT PROVIDED.
  - ⑧ PROVIDE JUNCTION BOX.

**ELECTRICAL FLOOR PLAN**  
NO SCALE NEW WORK

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GENERAL NOTES:

- 1. BOND ALL NORMAL AND EMERGENCY EQUIPMENT TO GENERATOR GROUND RING SYSTEM AS WELL AS BUILDING MAIN GROUNDING SYSTEM. REFER TO 'TYPICAL PANEL GROUNDING DETAIL' FOR ADDITIONAL GROUNDING INFORMATION/REQUIREMENTS.
- 2. NOT ALL GROUNDING IS SHOWN. PROVIDE ADDITIONAL GROUNDING AS REQUIRED PER NEC.
- 3. REFER TO ELECTRICAL SINGLE LINE DIAGRAM FOR GROUND CONDUCTOR SIZES. ALL GROUND CONDUCTORS TO BE COPPER (CU).
- 4. DETAIL IS TYPICAL AND MAY REFLECT GROUNDING TO OBJECTS NOT PRESENT ON SITE OR EXISTING GROUNDING CONDITIONS. CONTRACTOR TO FIELD VERIFY.
- 5. GROUNDING ELECTRODE CONDUCTOR TO BE SIZED PER NEC 250.66



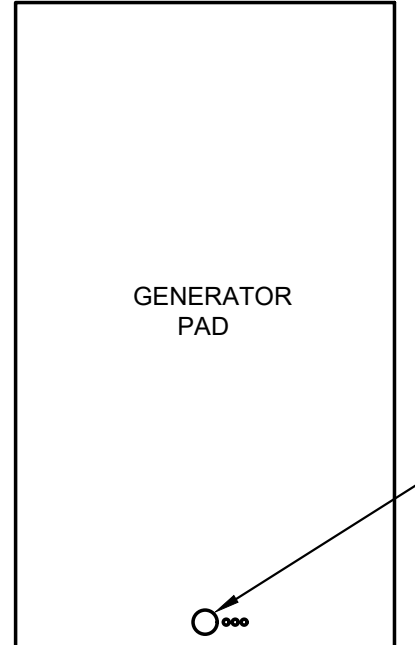
NON-SEPARATELY DERIVED GENERATOR SYSTEM DETAIL

NO SCALE

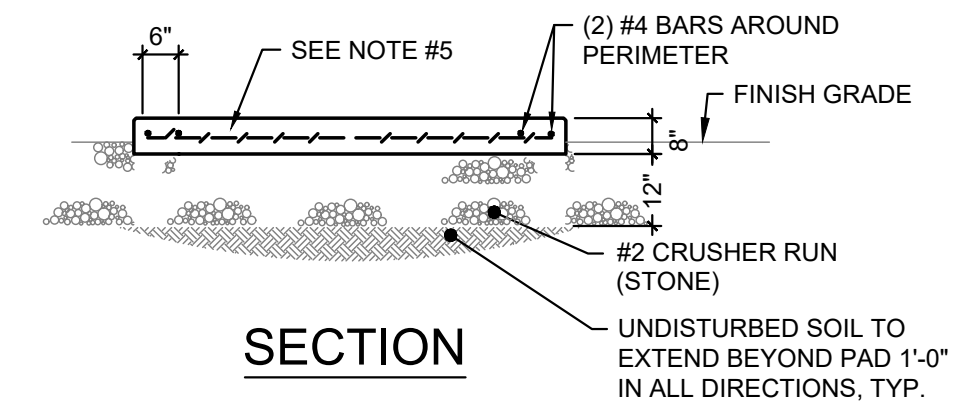
A

GENERAL NOTES:

- 1. CONCRETE 4,000 PSI @ 28 DAYS.
- 2. DEFORMED BARS ASTM A-615, GRADE 60.
- 3. TOP SURFACE SHALL BE TROWEL FINISHED.
- 4. 3/4" CHAMFER ALONG ALL EXPOSED EDGES, INCLUDING OPENING.
- 5. REINFORCING SHALL BE AS FOLLOWS:  
#4 BARS @ 12" EACH WAY
- 6. GENERATOR PAD SHALL BE CAST IN PLACE.
- 7. COORDINATE CONDUIT PENETRATIONS AT PAD WITH INSTALLED EQUIPMENT, AND FIELD CONDITIONS. CONTRACTOR TO FIELD VERIFY.



PLAN



SECTION

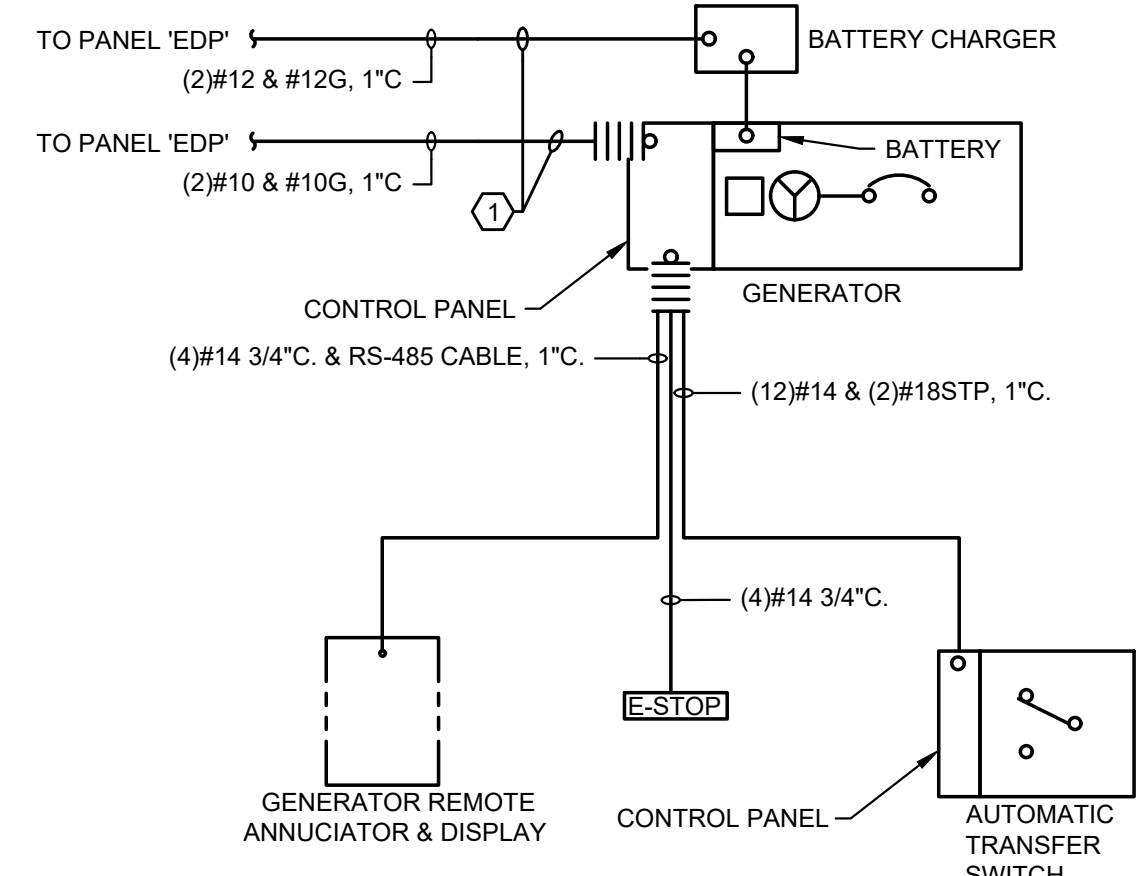
GENERATOR PAD DETAIL

NO SCALE

B

KEY NOTES:

- 1. PROVIDE CONDUCTORS / CABLE IN CONDUIT PER MANUFACTURER'S REQUIREMENTS. CONNECTION AT GENERATOR SHALL BE FLEXIBLE TYPE. TYPICAL OF ALL GENERATOR AUXILIARY EQUIPMENT.

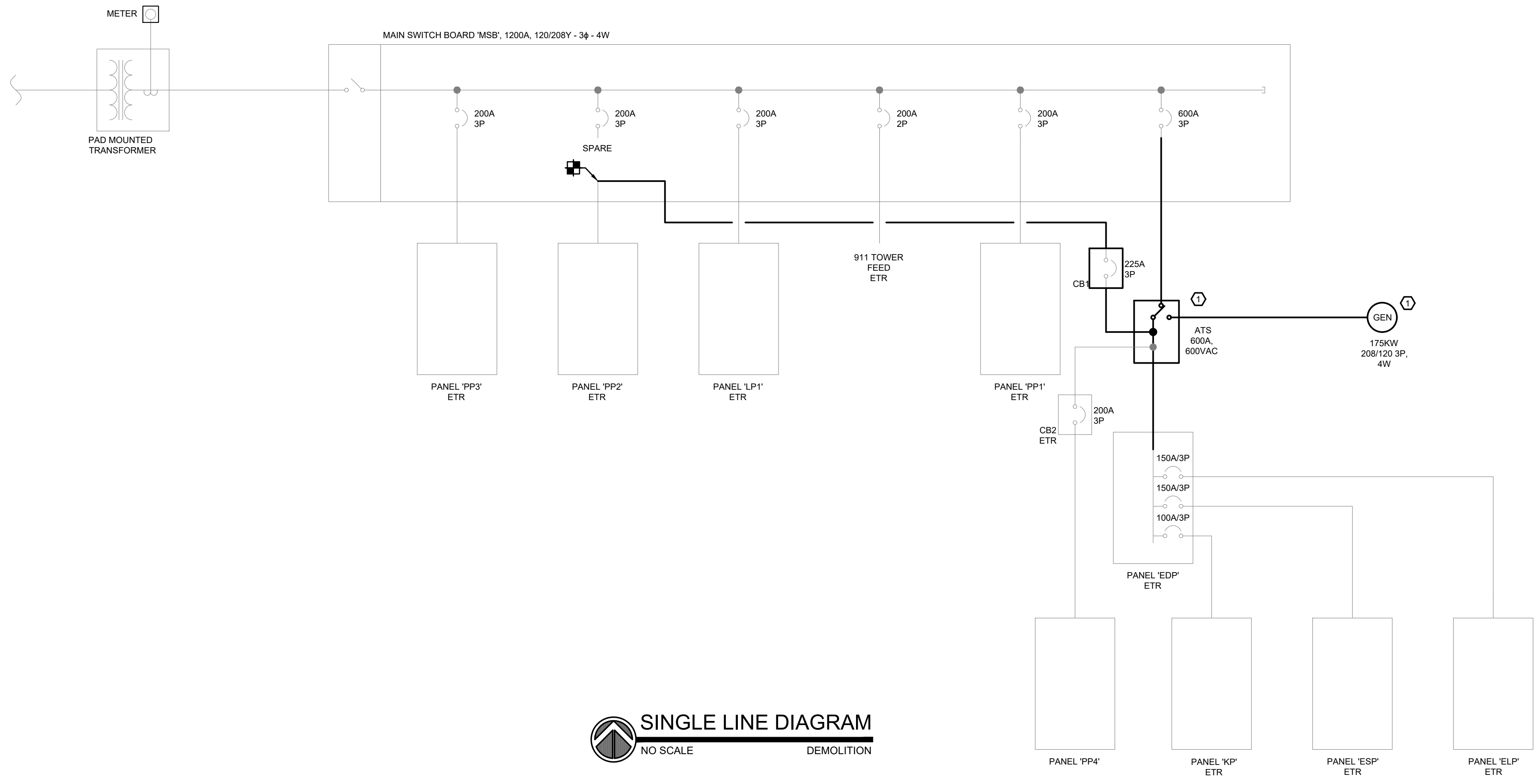


GENERATOR CONTROL AND AUXILIARY EQUIPMENT SINGLE LINE DIAGRAM

NO SCALE

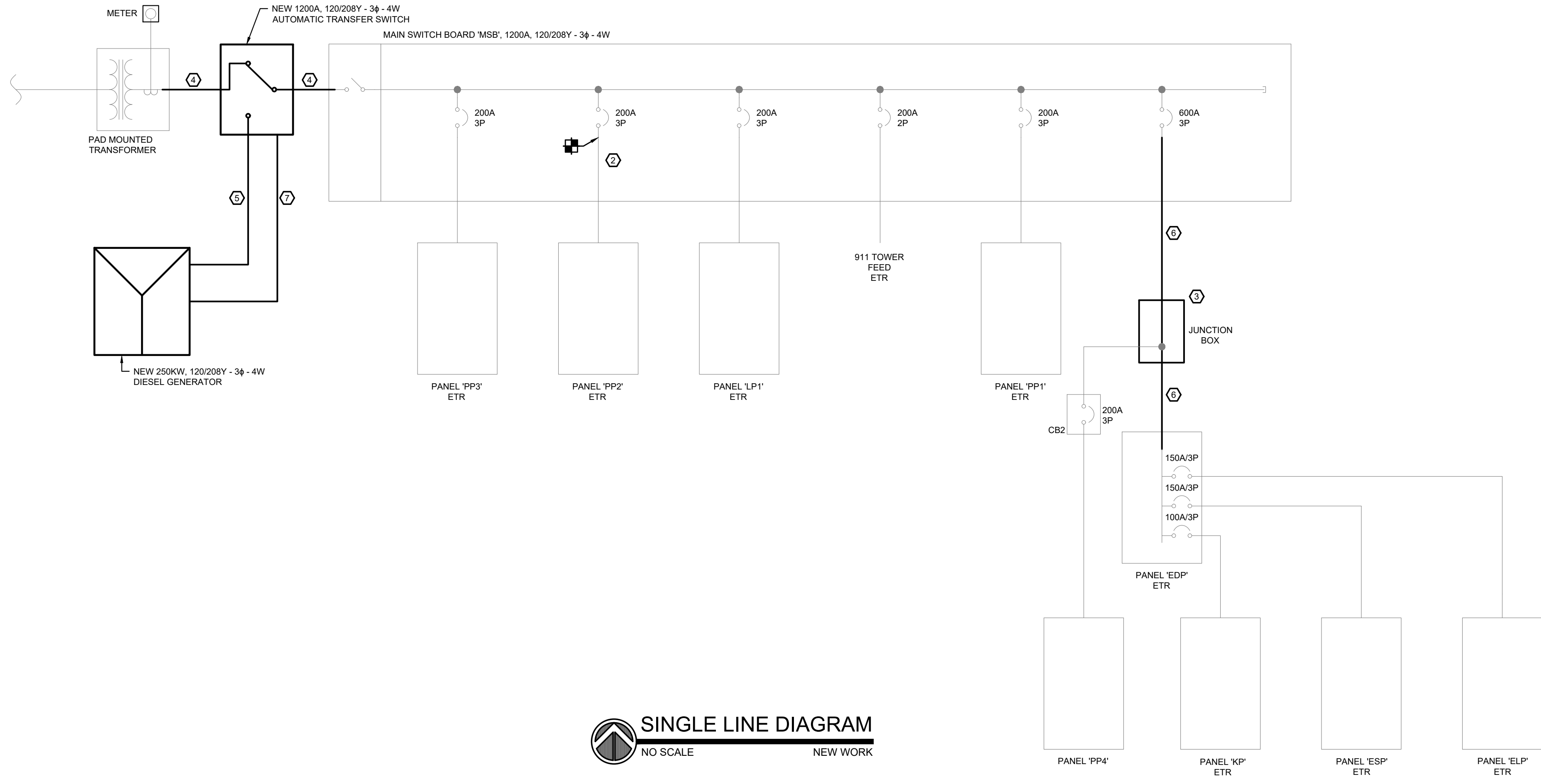
C





**SINGLE LINE DIAGRAM**  
NO SCALE DEMOLITION

- KEY NOTES THIS SHEET:
- ⓧ EXISTING GENERATOR AND TRANSFER SWITCH TO BE REMOVED.
  - ⓧ EXISTING CONDUCTORS SHOULD BE OF ADEQUATE LENGTH TO CONNECT TO EXISTING CIRCUIT BREAKER WITHOUT SPLICING.
  - ⓧ NEW JUNCTION BOX; ASSUME 24"x30"x12" FOR BIDDING PURPOSES. SIZE PER NEC AND SITE CONDITIONS.
  - ⓧ MATCH EXISTING. ASSUMED TO BE 3 SETS (4#350MCM, CU, #20G, 4°C)
  - ⓧ 3 SETS (4#350MCM, CU, #20G, 4°C)
  - ⓧ 2 SETS (4#350MCM, CU, #1G, 4°C)
  - ⓧ CONTROL WIRING BETWEEN GENERATOR AND TRANSFER SWITCH. CONDUIT SIZED PER NEC.



**SINGLE LINE DIAGRAM**  
NO SCALE NEW WORK

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