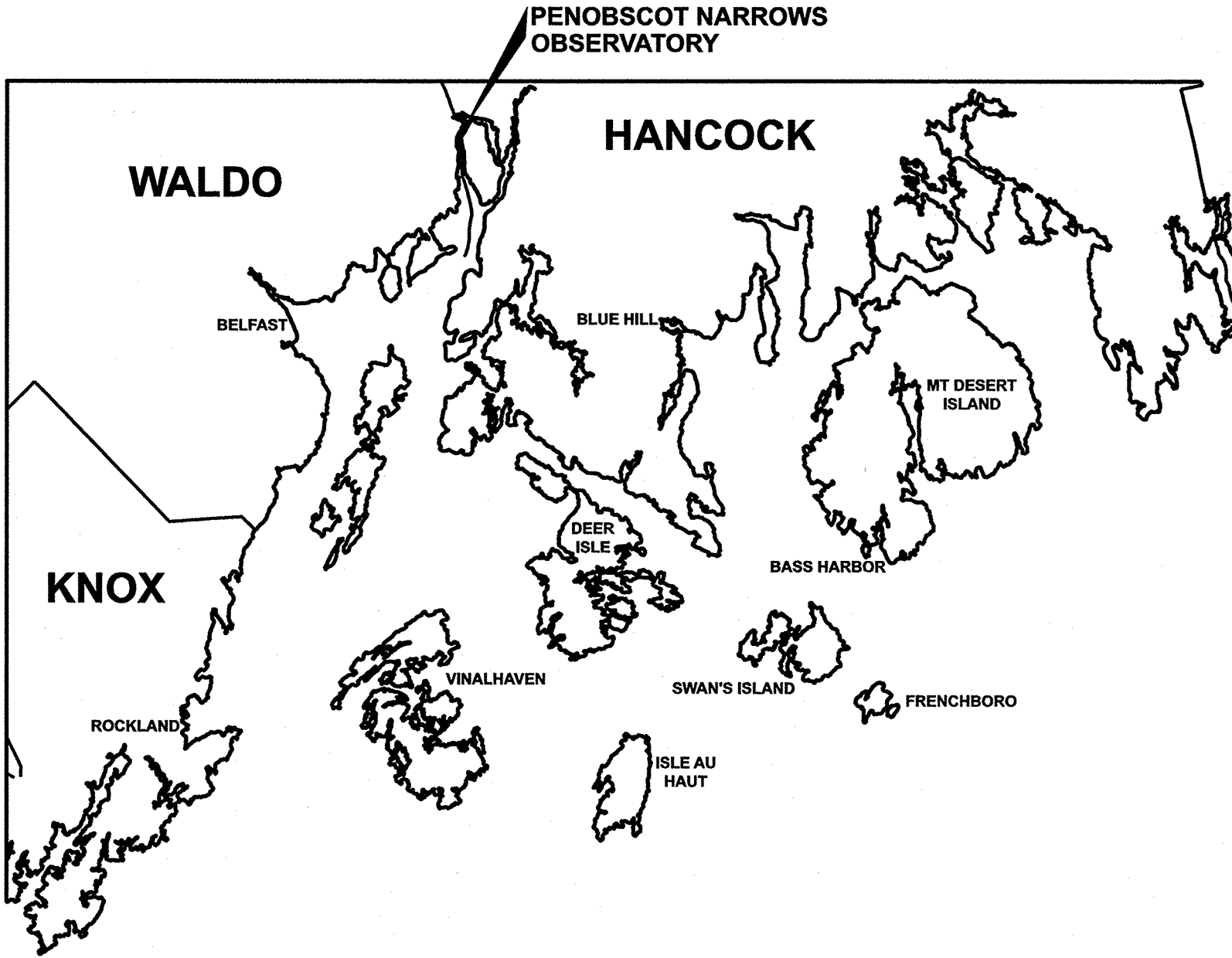
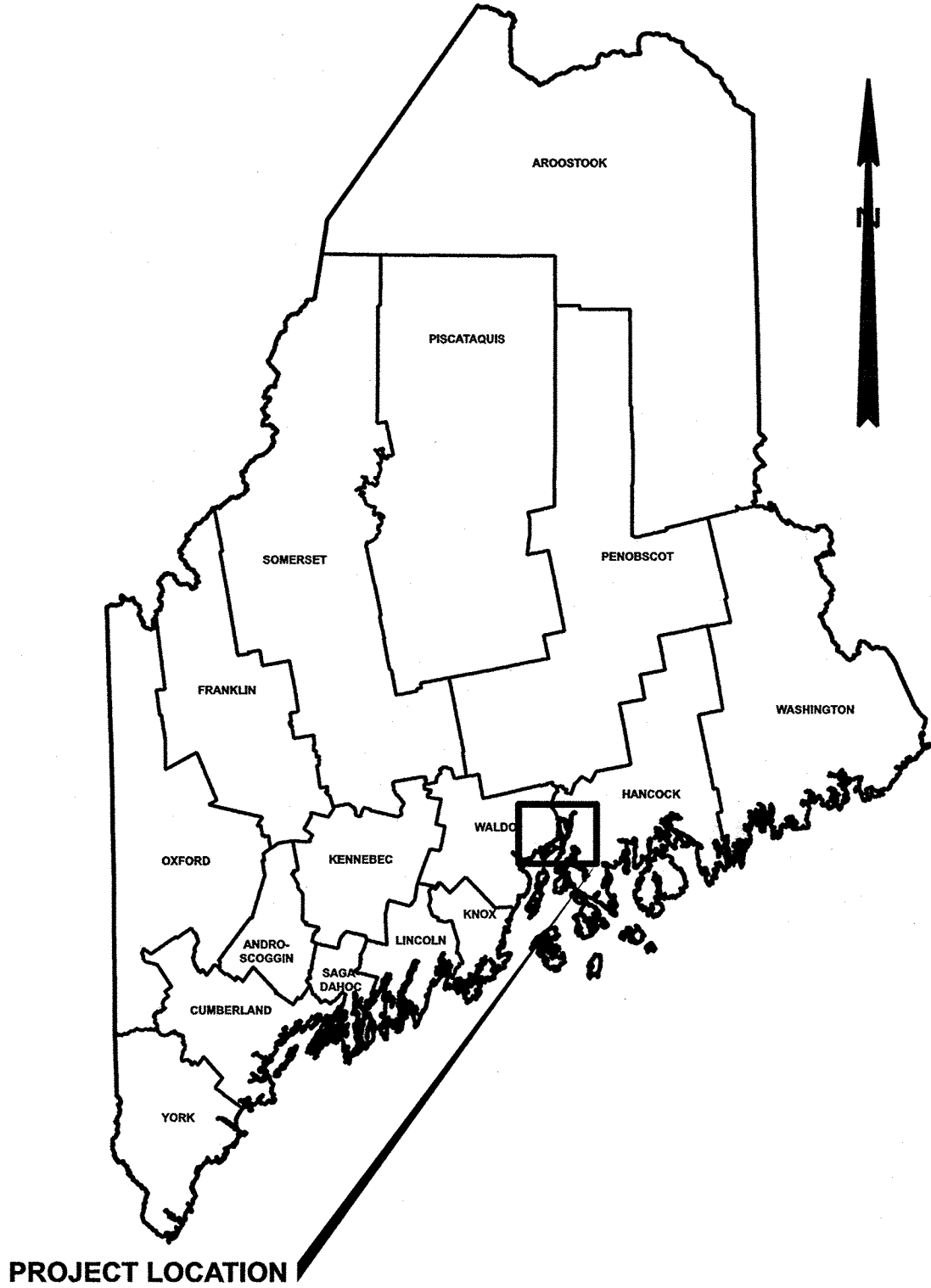


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



PROSPECT
WALDO COUNTY
PENOBSCOT NARROWS OBSERVATORY
GENERATOR REPLACEMENT
WIN: 028892.00

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Site Plan	5
Building Electrical Plan	6



PROJECT LOCATION:	PENOBSCOT NARROWS OBSERVATORY
PROGRAM AREA:	REGIONAL
SCOPE OF WORK:	GENERATOR REPLACEMENT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED
ACTING COMMISSIONER: [Signature]
CHIEF ENGINEER: [Signature]

DATE
7-15-25
9-10-25

PROJECT INFORMATION

PROGRAM
REGIONAL PROGRAM

PROJECT MANAGER
ROBERT BETZ

DESIGNER
DANA BERGMAN

CONSULTANT
STANTEC

PROJECT RESIDENT
CONTRACTOR

PROJECT COMPLETION DATE

PENOBSCOT NARROWS
GENERATOR REPLACEMENT

TITLE SHEET







WIN 28892.00

SHEET NUMBER

1

OF 6

NOT ALL SYMBOLS SHOWN MAY BE USED

POWER AND LIGHTING APPURTANCES LEGEND:	
SYMBOL	REFER TO PLANS FOR EXACT QUANTITIES AND LOCATIONS.
	LED LUMINAIRE AT GENERATOR
	PANELBOARD (EXISTING)
	EMERGENCY 'STOP' PUSH BUTTON (MAINTAINED CONTACT). MOUNT AT 48" AFF MAX.
 WP GF	DUPLEX CONVENIENCE OUTLET WP - WATER-PROOF, GF - GFCI
 S	SWITCH, SPST WP - WATER-PROOF
	DUCT BANK- CIRCUITS IN UNDERGROUND CONDUITS

1. THE SCOPE OF WORK IS TO PROVIDE ALL LABOR, MATERIALS, SERVICES, SUPPLIES, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES NECESSARY TO FURNISH AND INSTALL COMPLETE ELECTRICAL WORK AS CALLED FOR ON THE DRAWINGS, SPECIFICATIONS, OR AS MAY REASONABLY BE IMPLIED AS BEING INCIDENTAL TO THIS WORK.

3. EXECUTE ALL WORK IN A NEAT AND WORKMANLIKE MANNER IN CONFORMANCE WITH BEST MODERN TRADE PRACTICE, BY COMPETENT, EXPERIENCED MECHANICS, PRESENTING A NEAT APPEARANCE WHEN COMPLETED. REPLACE WORK NOT APPROVED BY OWNER WITHOUT ADDITIONAL CHARGE.
4. ALL MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, AND ALL CODES, REGULATIONS AND REQUIREMENTS OF ALL MUNICIPAL, STATE, FEDERAL AND OTHER PUBLIC OR PRIVATE AUTHORITIES WHICH HAVE JURISDICTION. IN EACH CASE, CODES ARE MINIMUM REQUIREMENTS.
5. SHOP DRAWINGS: SUBMIT COMPLETE CATALOG INFORMATION FOR ALL MATERIALS AND EQUIPMENT TO BE PURCHASED AND USED ON THIS PROJECT; AND AS CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS. DO NOT INSTALL MATERIALS OR EQUIPMENT WITHOUT APPROVAL BY THE OWNER. UNAPPROVED MATERIAL ALREADY INSTALLED SHALL BE SUBJECT TO REMOVAL AND REPLACEMENT WITH APPROVED MATERIALS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT APPROVED SUBSTITUTE ITEMS WILL FIT INTO AVAILABLE SPACES AND FOR ANY EXTRA CHARGES BY OTHER TRADES.
6. THESE PLANS ARE DEVELOPED FROM VARIOUS RECORD PLANS AND NO SURVEY WAS OBTAINED FOR THIS PROJECT. THERE MAY BE VARIOUS CONDITIONS AT THE SITE WHICH DO NOT SHOW ON THE DRAWINGS OR DIFFER FROM THE CONDITIONS INDICATED ON THE DRAWINGS. IT IS IMPORTANT THAT EACH BIDDER VISIT THE SITE AND CONFIRM THE EXISTING CONDITIONS AND TAKE THESE CONDITIONS INTO CONSIDERATION WHEN PREPARING THE BID. EACH BIDDER SHALL OBTAIN INFORMATION OR MAKE ANY MEASUREMENT DESIRED.
7. THE FINISHED INSTALLATION SHALL BE COMPLETE IN EVERY RESPECT AND DETAIL, TESTED AND LEFT READY IN PERFECT OPERATING CONDITION FOR THE OWNER'S USE. THE CONTRACTOR SHALL ALSO PROVIDE TRAINING TO MAINEDOT AND STATE PARK STAFF ON USE OF THE PROPOSED GENERATOR SYSTEM.
8. MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS' LABORATORIES AND SHALL BE INSTALLED IN ACCORDANCE WITH SUCH LISTINGS.
9. THE CONTRACTOR SHALL GUARANTEE THAT MATERIALS, EQUIPMENT AND WORKMANSHIP PROVIDED BY HIM SHALL BE FREE FROM DEFECTS IN MATERIALS OR WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK DONE UNDER THIS CONTRACT, AND SHALL REPLACE PARTS FOUND TO BE DEFECTIVE WITHIN THE PERIOD COVERED BY SUCH GUARANTEE, WITHOUT COST TO THE OWNER.
10. INSTALLATION SHALL BE MADE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
11. CONTRACTOR TO CONTACT DIG SAFE AT 1-888-DIG-SAFE, PRIOR TO COMMENCING WORK. CONTRACTOR SHALL VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND ELECTRIC AND TELEPHONE LINES AND TAKE NECESSARY PRECAUTIONS IN STRICT ACCORDANCE WITH OSHA STANDARDS DURING CONSTRUCTION. CONTRACTOR SHALL CONTACT LOCAL ELECTRICAL, CABLE AND TELEPHONE UTILITIES REGARDING ANY NECESSARY SUPPORT OF ANY UTILITY POLES DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE SUPPORT OR TEMPORARY RELOCATION OF ALL UTILITY POLES AFFECTED BY THE CONSTRUCTION.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING BARRIERS TO PREVENT PUBLIC ENTRY TO ANY AREAS OF CONSTRUCTION INCLUDING HOLES TRENCHED, PILES OF FILL MATERIAL, CONSTRUCTION MATERIALS, AND ANY OTHER CONSTRUCTION HAZARDS. BARRIERS SHALL BE PROVIDED AT ALL HOURS AND SHALL CLEARLY INDICATE THE AREA NOT TO BE TRESPASSED.
13. REMOVAL OF THE EXISTING GENERATOR SHELTER AND GENERATOR PAD SHALL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS.
14. THE GENERATOR FUEL TANK SHALL BE PUMPED EMPTY PRIOR TO REMOVAL.
15. REMOVAL OF ANY EXISTING ELECTRICAL COMPONENTS SHALL BE INCLUDED IN THE LUMP SUM PAYMENT FOR THE ELECTRICAL AND CONTROL SYSTEM.

PENOBSCOT NARROWS
GENERATOR REPLACEMENT
GENERAL NOTES AND LEGEND

SHEET NUMBER

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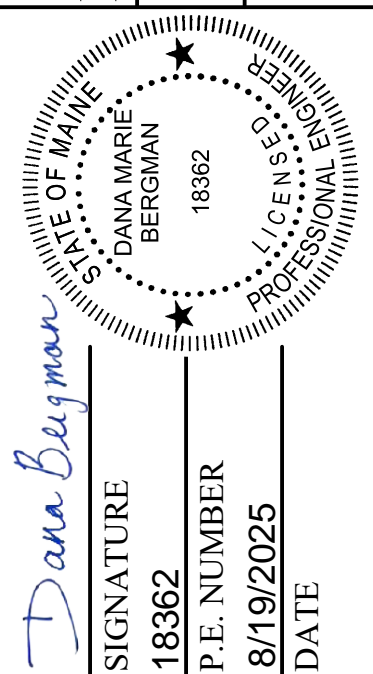
STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

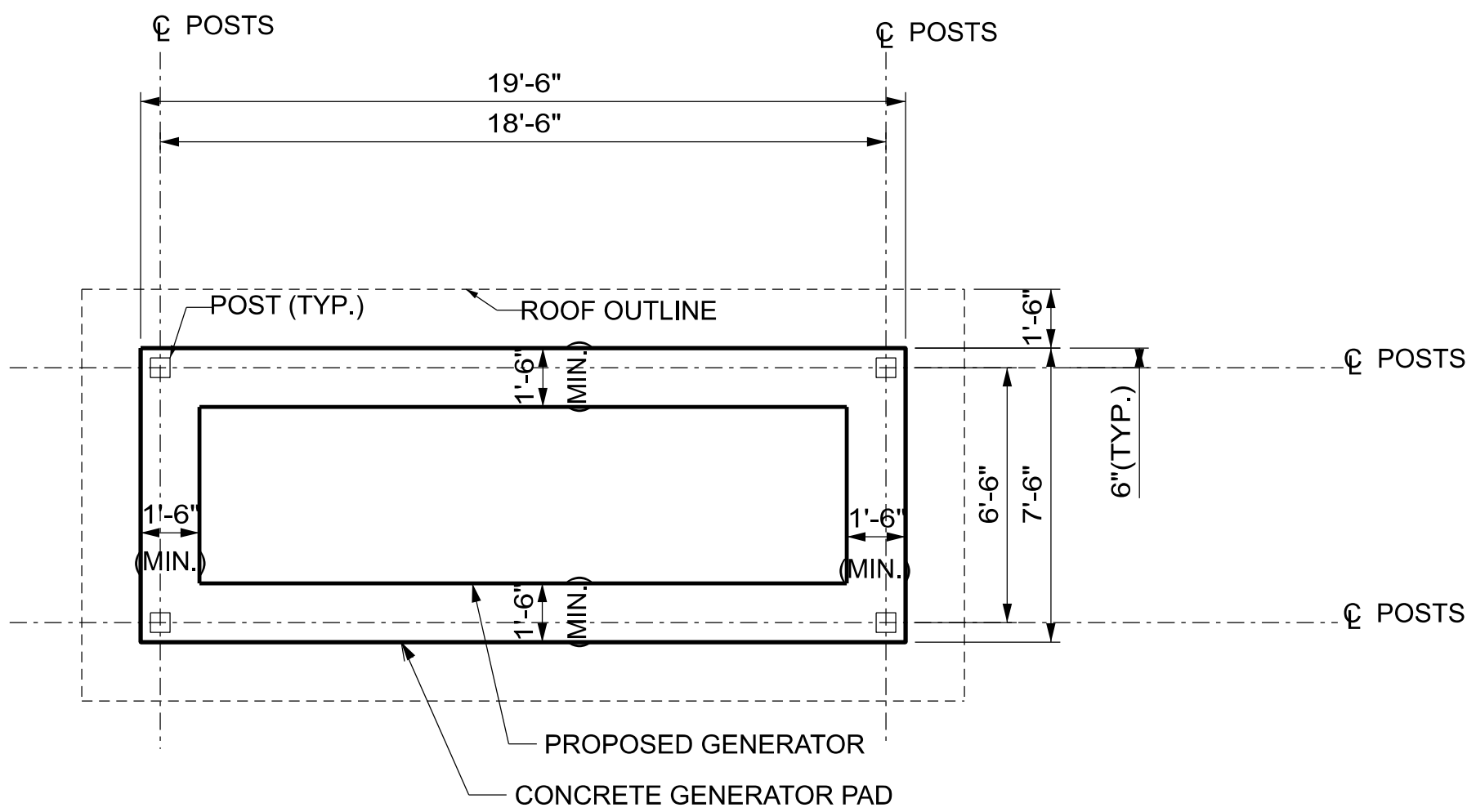
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WIN 0000000000

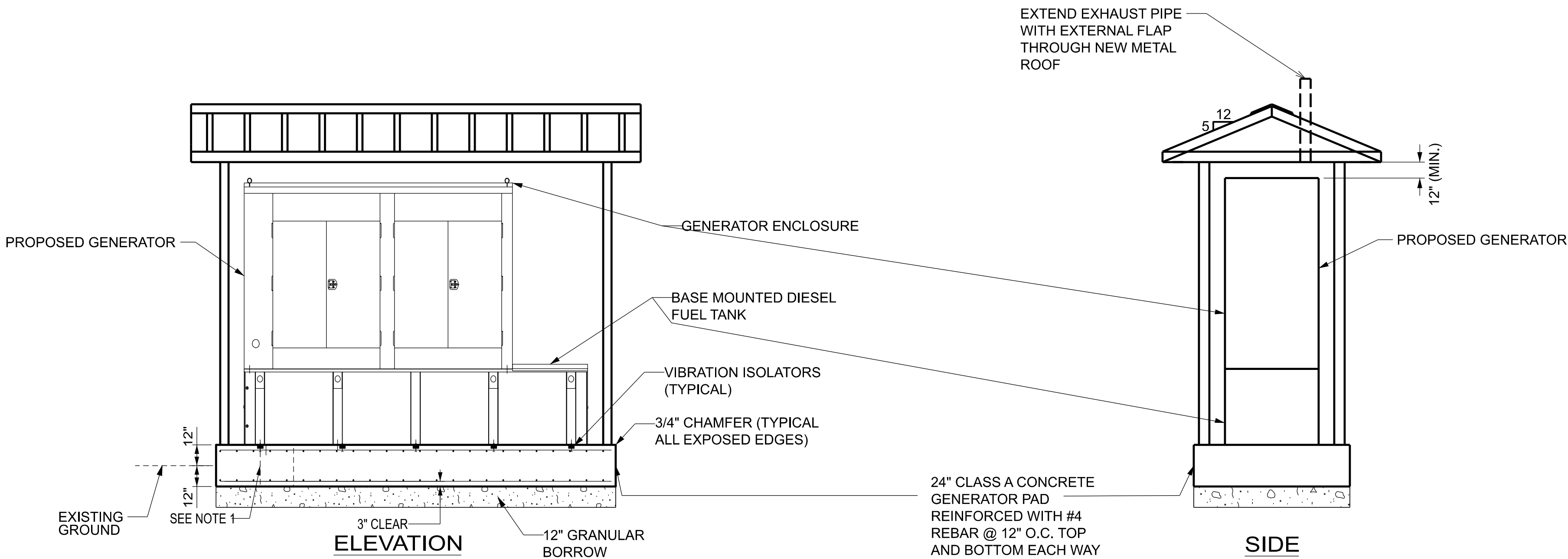
MAINT PLANS



PROJ. MANAGER	BY	DATE
ROBERT BETZ	EAB	FEB 2025
CHECKED-DETAILED	DMB	FEB 2025
DESIGNED-REVIEWED	NLC	
DESIGN'S DETAILED2		
DESIGN'S DETAILED3		
REVIEWS 1		
REVIEWS 2		
REVIEWS 3		
REVIEWS 4		
FIELD CHANGES		



PLAN



GENERATOR SHELTER
1/4" = 1'-0"

NOTES:

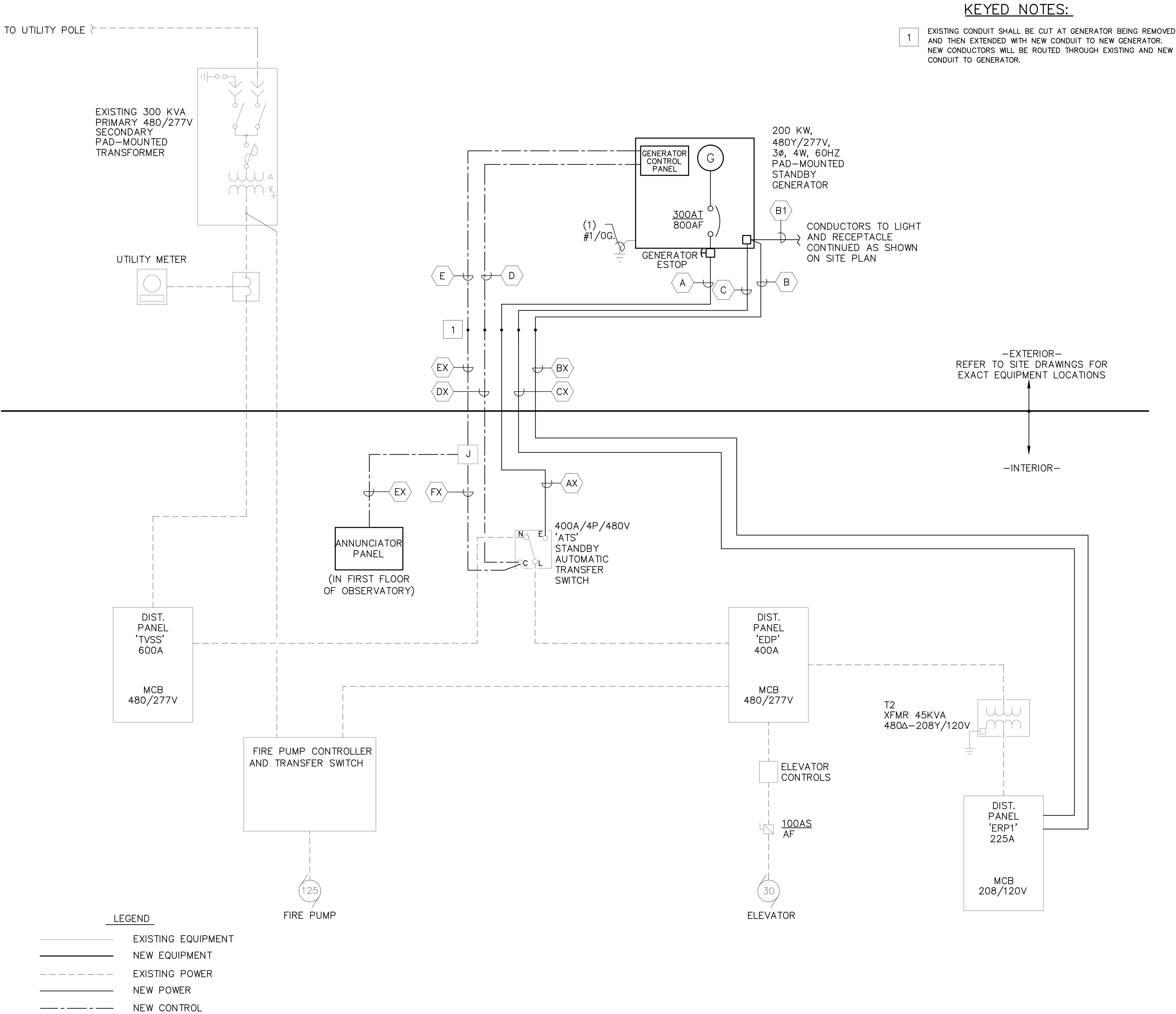
1. PROVIDE 24"x24" OPENING IN SLAB AND SLIP JOINT AT CONDUIT TERMINATIONS.
2. ROOF COLOR SHALL MATCH THE EXISTING GENERATOR SHELTER ROOF.
3. PROVIDE GROUND RING AROUND GENERATOR PAD, INSTALL MIN. 2 3/4"x10: GROUND RODS. BOND TO PAD REINFORCEMENT. PROVIDE LEADS AT SLAB OPENING FOR CONNECTION TO GENERATOR FRAME, UTILIZE #2 GROUND.
4. GENERATOR PAD DIMENSIONS MAY BE REDUCED BASED ON ACTUAL GENERATOR DIMENSIONS.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2889200		WIN 028892.00		MAINT PLANS	
PENOBSCOT NARROWS GENERATOR REPLACEMENT		SHEET NUMBER		3		OF 6	
PROJ. MANAGER ROBERT BETZ, PE		BY kbl gmb		DATE 03/2025 03/2025		SIGNATURE 18362 P.E. NUMBER 8/19/2025 DATE	
DESIGN-REVIEWED 1st 2nd		DESIGN-REVIEWED 1st 2nd		DESIGN-REVIEWED 1st 2nd		DESIGN-REVIEWED 1st 2nd	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

Dana Bergman
18362
PROFESSIONAL ENGINEER

18362
P.E. NUMBER
8/19/2025
DATE



CONDUIT & CONDUCTOR SCHEDULE		
KEY	CONDUIT SIZE	CIRCUIT CONDUCTORS FOR EQUIPMENT
A	4"	4-600KCMIL & 1#1/0G
AX	EXISTING	
B	1"	2#10, 2#12, #10G
BX	EXISTING	
B1	1"	2#12, #12G
C	1"	2#8, #8G
CX	EXISTING	
D	1"	2#14
DX	EXISTING	
E	1"	2#10, 17#14, #10G
EX	EXISTING	
FX	EXISTING	3#14

CONDUIT SCHEDULE NOTES:

1 ALL CONDUIT IS SCHEDULE 80 PVC.

2 CIRCUIT CONDUCTORS INCLUDING NEUTRAL CONDUCTOR SHALL BE CLEARLY IDENTIFIED BY CORROSION RESISTANT TAGS INDICATING CIRCUIT NUMBER AND PANEL SOURCES.

3 MAXIMUM OF 270° IN TOTAL BENDS PERMITTED IN SINGLE RUN OF CONDUIT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2889200

WIN
028892.00

MAINT PLANS

PROJ. MANAGER
ROBERT BETZ

DESIGNED/DETAILED
LAB

CHECKED/REVIEWED
MLC

DESIGNED/DETAILED
D3

DESIGNED/DETAILED
D3

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

DATE
FEB 2025

BY
LAB

DATE
FEB 2025

BY
DMB

DATE

BY

DATE

BY

DATE

BY

DATE

DATE
FEB 2025

SIGNATURE
DANA MARIAN BERGMAN

DATE
FEB 2025

P.E. NUMBER
18362

DATE

P.E. NUMBER

DATE

P.E. NUMBER

DATE
FEB 2025

DATE
8/19/2025

DATE

DATE

PENOBSCOT NARROWS
GENERATOR REPLACEMENT

ELECTRICAL ONE-LINE
AND CONDUIT SCHEDULE

SHEET NUMBER

4

OF 6



