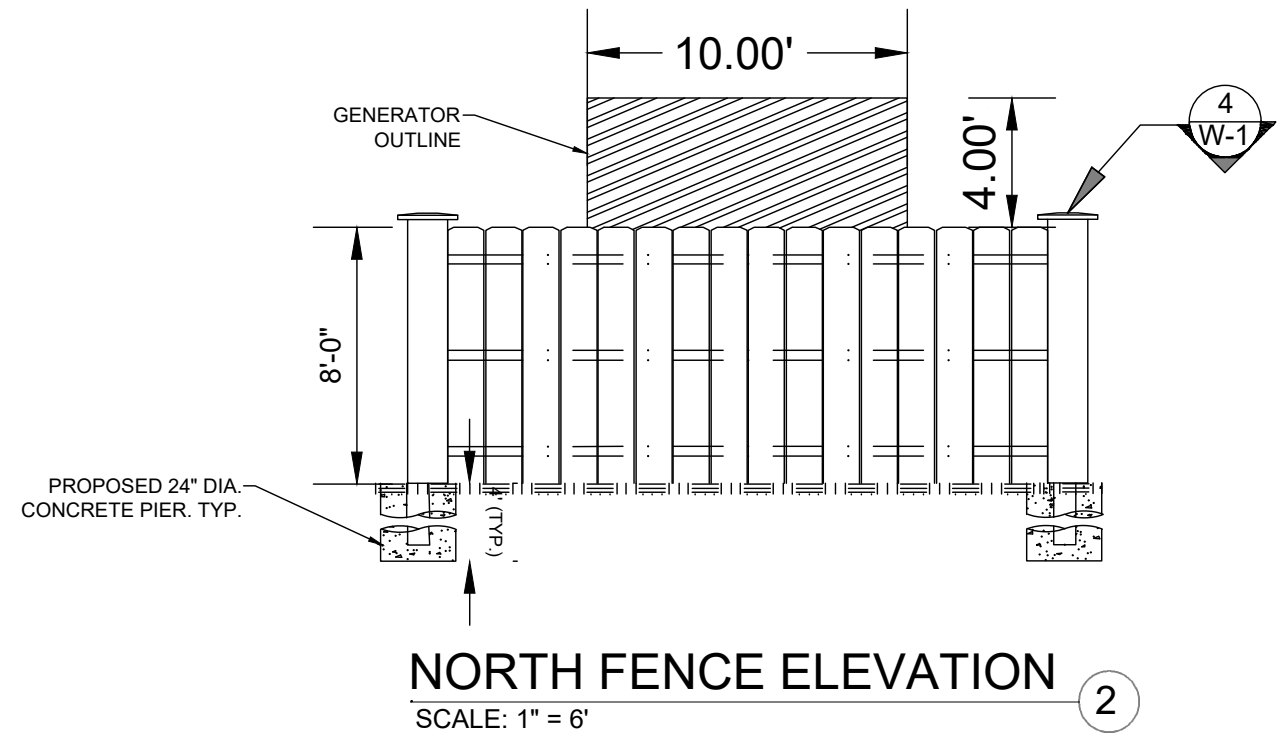
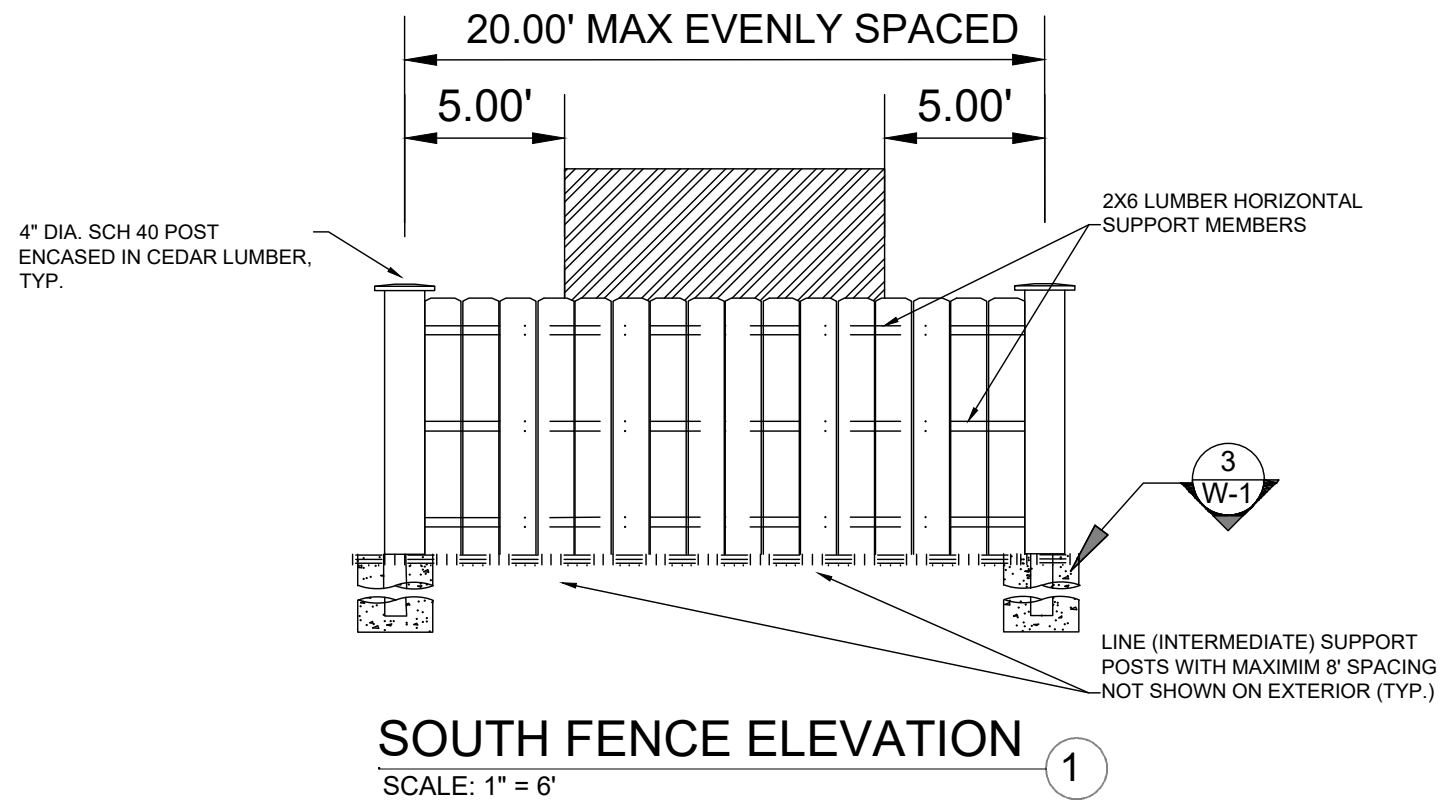


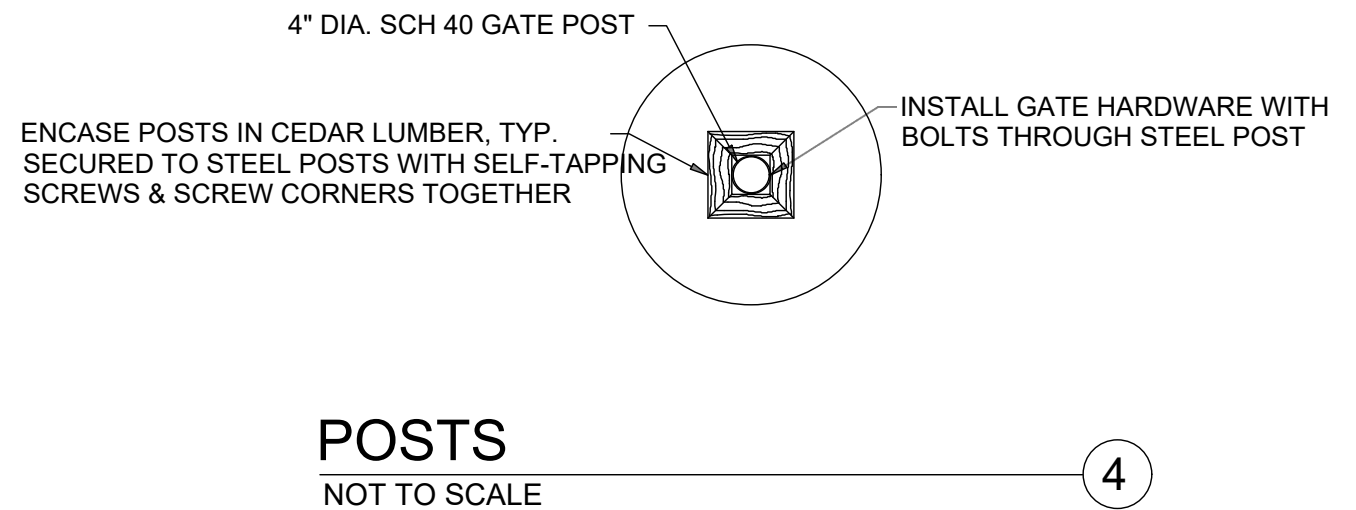
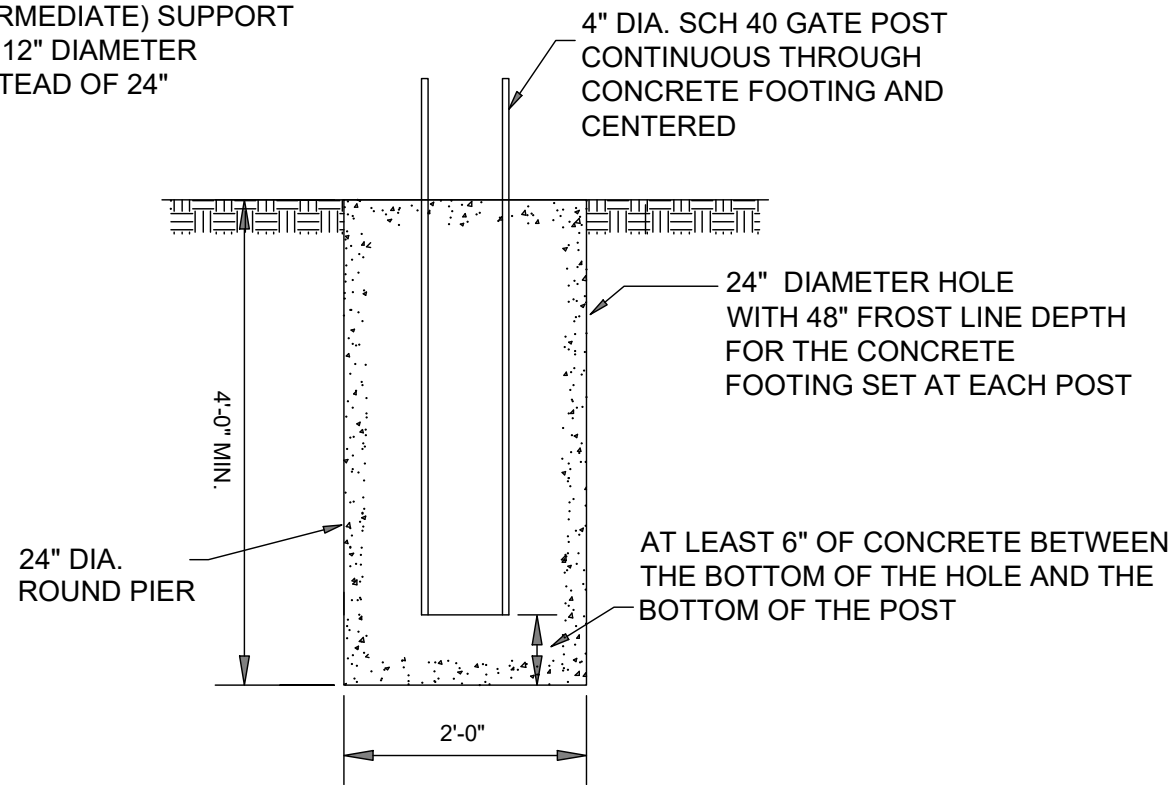


UNIT WELL 11  
 FACILITY SITE MAP  
 102 DEMPSEY ROAD

FACILITY	UW 11
ADDRESS	102 DEMPSEY RD
YEAR BUILT	1956 - WELL DRILLED
	1957 - RESERVOIR & PUMP STATION
RESERVOIR CAPACITY	0.15 MG
OVERFLOW ELEVATION	900
WATER DEPTH	14 FT
RESERVOIR CONFIGURATION	GROUND LEVEL
OPERATIONS	PUMPED
PRESSURE ZONE	6E
DEEP WELL CAPACITY	2,000 GPM
NUMBER OF PUMPS	1
PUMPING CAPACITY	2,100 GPM
STANDBY GENERATOR	NO



NOTE - LINE (INTERMEDIATE) SUPPORT POSTS CAN HAVE 12" DIAMETER ROUND PIERS INSTEAD OF 24"



SCALE: N/A  
 DESIGNED BY: NGM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 6/21/23

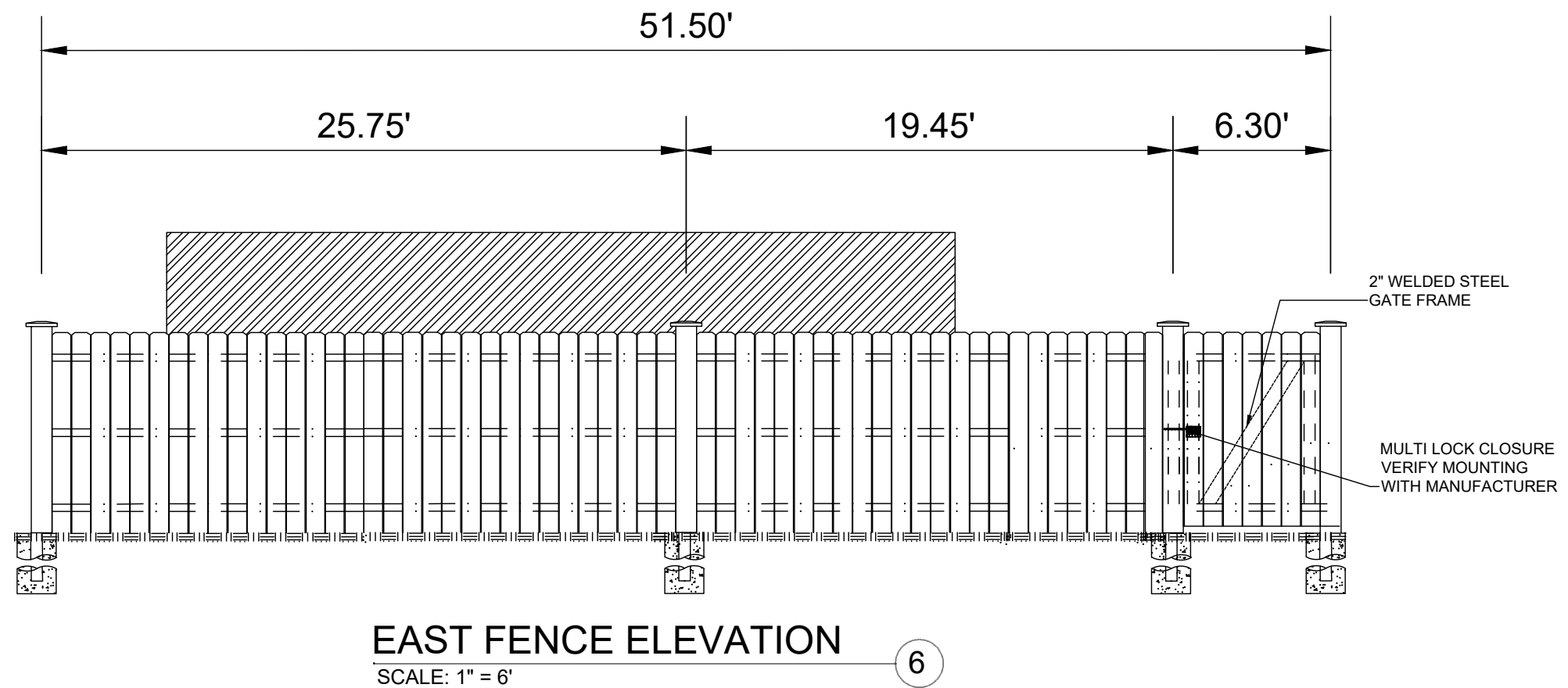
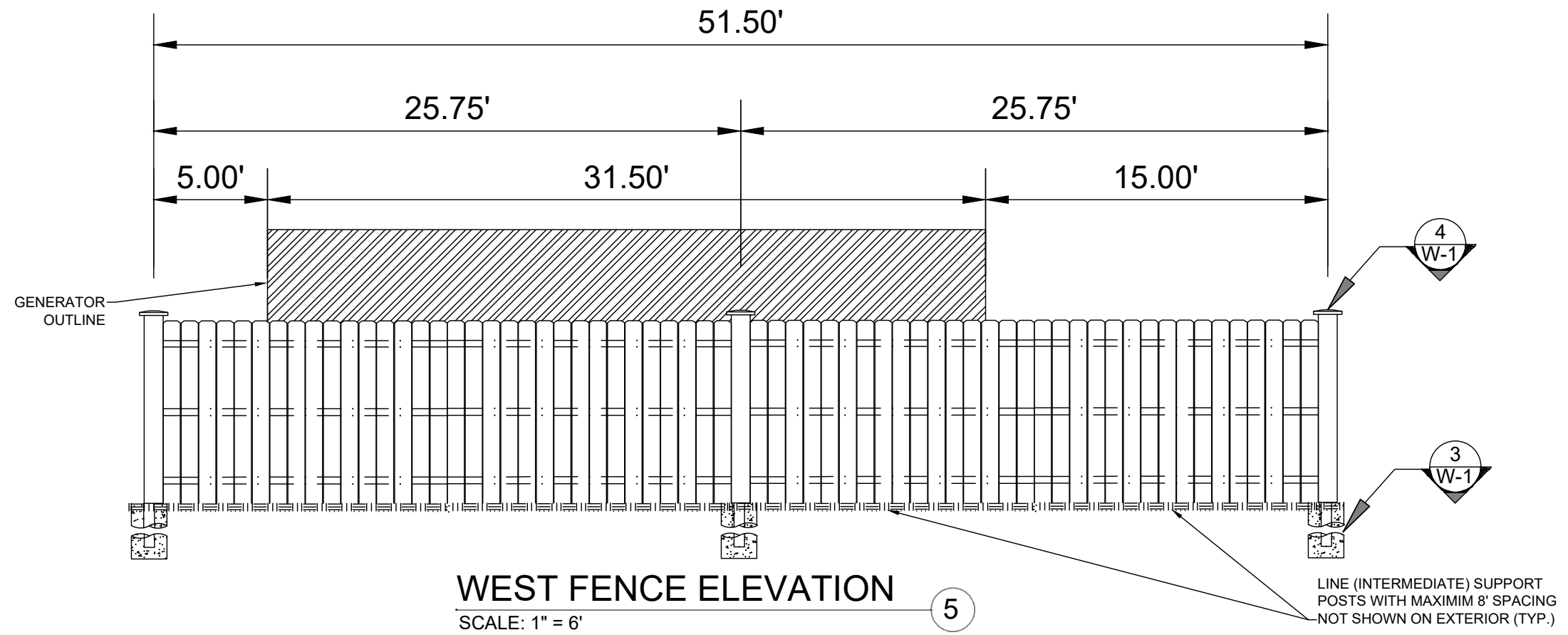
CONTRACT NO: N/A

UNIT WELL 11 EXISTING SITE & PROPOSED GENERATOR  
 FENCE ELEVATION

**CITY OF MADISON, WISCONSIN**



N/A  
 W-1



SCALE: N/A  
DESIGNED BY: NGM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 6/21/23

CONTRACT NO: N/A

UNIT WELL 11 EXISTING SITE & PROPOSED GENERATOR  
FENCE ELEVATION

CITY OF MADISON, WISCONSIN



N/A  
W-2

1.0 SCOPE:

1.1 THIS SECTION COVERS THE REQUIREMENTS FOR THE MATERIALS AND THE CONSTRUCTION OF SITE FENCING.

2.0 SPECIAL REQUIREMENTS:

- 2.1 ALL FITTINGS, HARDWARE AND STEEL MEMBERS USED FOR SITE AREA FENCING, SHALL BE HOT DIPPED GALVANIZED (ASTM A153) OR OTHER APPROVED NON CORROSIVE MATERIAL AND CONFORM TO FEDERAL SPEC RR-F-191G (1-25-74).
- 2.2 ALL NON-CORROSIVE MATERIAL SHALL BE PRE-APPROVED BY THE PROJECT MANAGER.
- 2.3 ANY DAMAGE TO GALVANIZING OR NON-CORROSIVE COATING DURING CONSTRUCTION SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
- 2.4 ALL WOOD TO BE WESTERN RED CEDAR WITH CLEAR WOOD SEALER FINISH (ANTI-GRAFFITI COATED).

3.0 FENCE POSTS:

- 3.1 LOCATION OF CORNER POSTS SHALL BE DETERMINED FROM STAKES AND PROPERTY PINS INSTALLED BY SURVEYING MEANS BY MADISON WATER UTILITY. IF THE STAKES ARE NOT PRESENT OR DO NOT CONFORM TO THE SITE PLAN, CONSULT WITH THE PROJECT MANAGER.
- 3.2 POSTS FOR SITE SHALL BE 4" DIA. SCHEDULE 40 GALVANIZED PIPE.
- 3.3 CORNER POSTS SHALL BE SET WITHIN ONE INCH (1") OF DIMENSIONS INDICATED ON THE SITE PLAN.
- 3.4 FENCE POSTS SHALL BE VERTICALLY PLUMB IN ALL PLANES WITHIN 1/2 INCH (1/2").
- 3.5 GATE POST FOUNDATIONS SHALL BE A MINIMUM FOUR FEET (4') DEEP OR SIX INCHES (6") BELOW THE FROST LINE, WHICHEVER IS GREATER
- 3.6 GATE POST FOUNDATIONS SHALL BE TWENTY-FOUR INCHES (24") IN DIAMETER. INTERMEDIATE (LINE) POST FOUNDATIONS, AS REQUIRED, SHALL BE TWELVE INCHES (12") IN DIAMETER.
- 3.7 LINE POSTS BETWEEN CORNER AND GATE POSTS SHALL BE EQUALLY SPACED WITH AN EIGHT FOOT (8') MAXIMUM SPACING. GATE POST LOCATIONS SHALL BE IN ACCORDANCE WITH SITE PLAN AND SHALL BE VERIFIED WITH THE PROJECT MANAGER.
- 3.8 ALL POSTS SHALL BE CAPPED.

4.0 FENCE ENCLOSURE:

- 4.1 ENCLOSURE BACKING RAILS TO CONSIST OF TWO INCH (2") BY SIX INCH(6") NOMINAL CEDAR PLANKS. ALL CEDAR TO HAVE CLEAR CEDAR WOOD SEALER FINISH (ANTI-GRAFFITI COATED).
- 4.2 ENCLOSURE BOARDS TO BE HEAVY DUTY TWO INCH (2") BY SIX INCH (6") NOMINAL CEDAR ALL CEDAR TO HAVE CLEAR CEDAR WOOD SEALER FINISH (ANTI-GRAFFITI COATED).
- 4.3 ALL ENCLOSURE BOARDS TO BE SECURED TO FENCE POSTS WITH MANUFACTURER APPROVED HARDWARE. CONTRACTOR TO FOLLOW MANUFACTURER RECOMMENDATIONS AND SPECIFICATIONS.

5.0 GATE:

- 5.1 LOCATION OF GATE SHALL CONFORM TO THE SITE PLAN, GATE SIZE SHALL BE MINIMUM 6'-0" WIDE (UNLESS OTHERWISE NOTED).
- 5.2 GATE FRAME TO BE CONSTRUCTED OF TWO INCH (2") WELDED STEEL WITH HEAVY DUTY FRAME; CONTRACTOR TO FOLLOW MANUFACTURER RECOMMENDATIONS AND SPECS.
- 5.3 GATE HINGES SHALL PROVIDE FOR 180 DEGREE RADIUS GATE SWING. ANY HINGE NUTS SHALL BE ON THE INSIDE AND DOUBLE-NUT TO DETER UNAUTHORIZED ENTRY.
- 5.4 GATE SHALL BE INSTALLED PLUMB AND SHALL OPEN AND CLOSE FREELY.

6.0 CONCRETE:

- 6.1 CONCRETE SHALL HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI WITH MINIMUM CEMENT CONTENT OF 6 SACKS PER CUBIC YARD AND MAXIMUM 5.5 GALLONS OF WATER PER SACK. THE SLUMP SHALL BE BETWEEN 2 TO 3.5 INCHES. UTILIZE AN AIR-ENTRAINING ADMIXTURE CONFORMING TO ASTM C280 FOR 4% TO 7% CONTENT ALONG WITH A WATER REDUCER MEETING ASTM C494 TYPE A.

SCALE: N/A

DESIGNED BY: NGM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 6/21/23

UNIT WELL 11 EXISTING SITE & PROPOSED GENERATOR

PROJECT NOTES & DETAILS

CITY OF MADISON, WISCONSIN

CONTRACT NO: N/A



N/A

W-3

**GENERATOR WEST ELEVATION**



30 in

9 ft 6 in

6 ft

25 ft 3 in

FIRE  
DANGER  
INSIDE  
DG-27 msoe



DG-27 msoe

Madison Water Utility  
1903 Latta Memorial Dr Madison

# GENERATOR NORTH ELEVATION



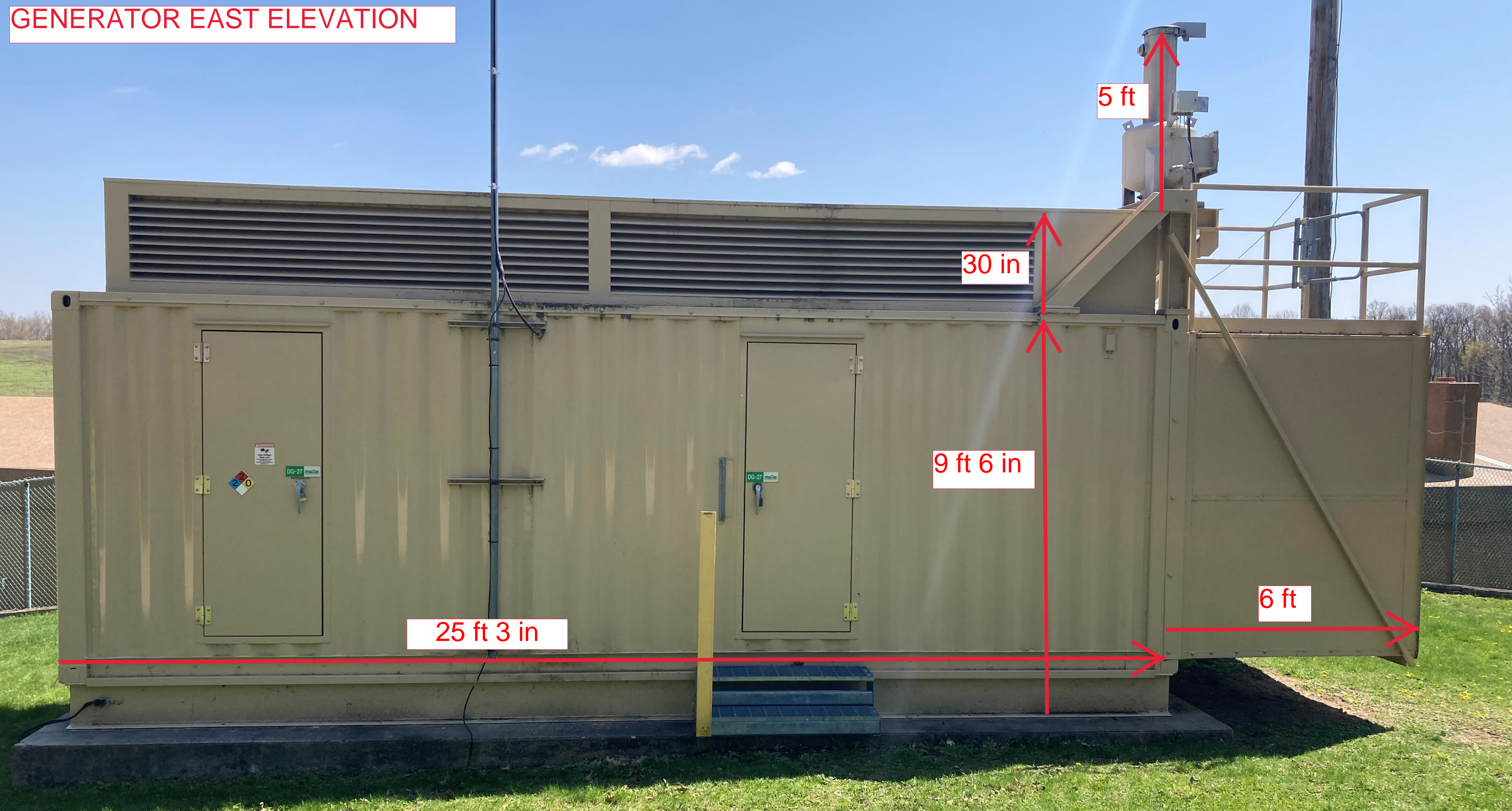
29 in

67 in

7 ft 11 in

8 ft 4 in

# GENERATOR EAST ELEVATION



5 ft

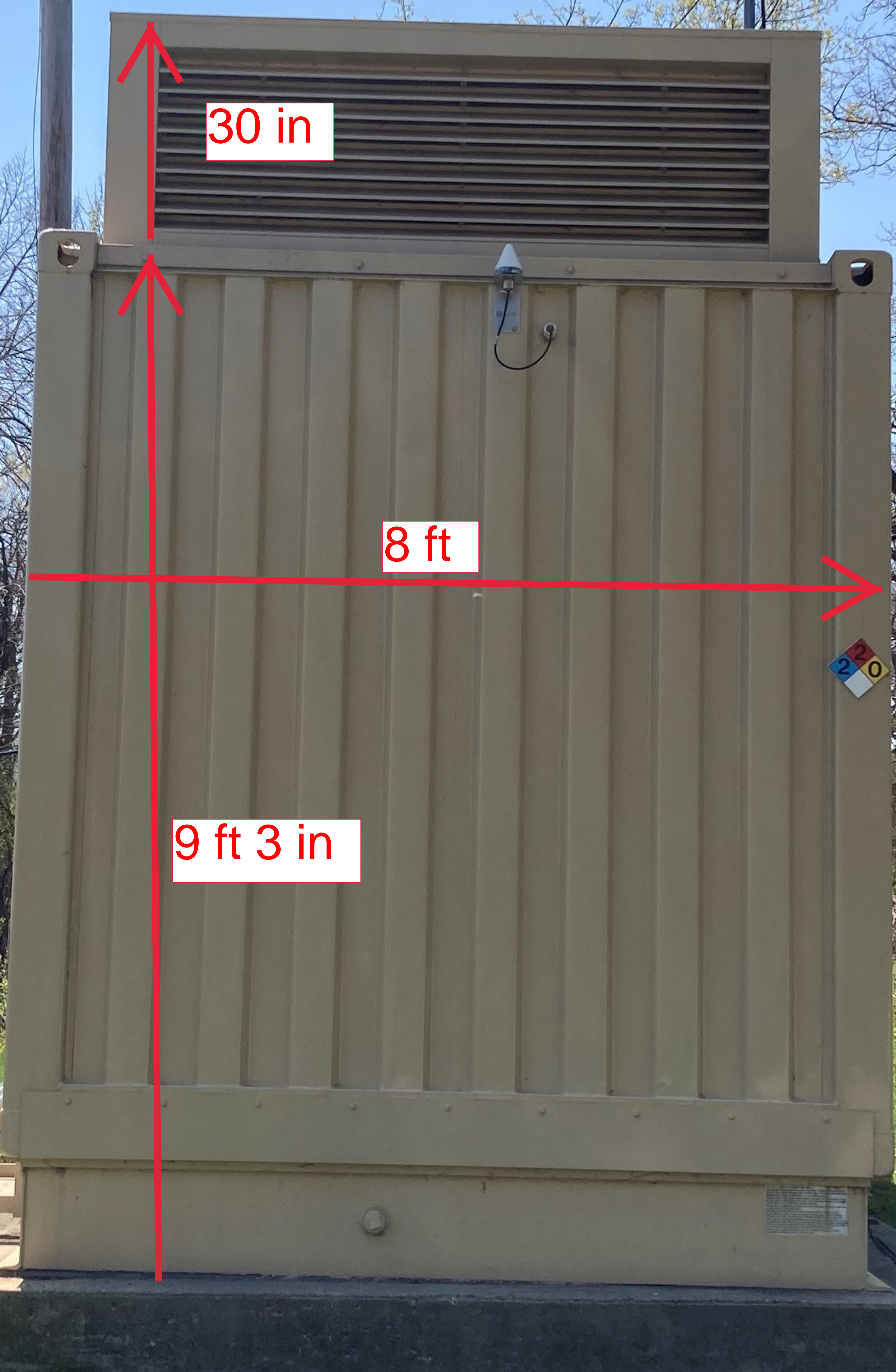
30 in

9 ft 6 in

6 ft

25 ft 3 in

# GENERATOR SOUTH ELEVATION



30 in

8 ft

9 ft 3 in

20