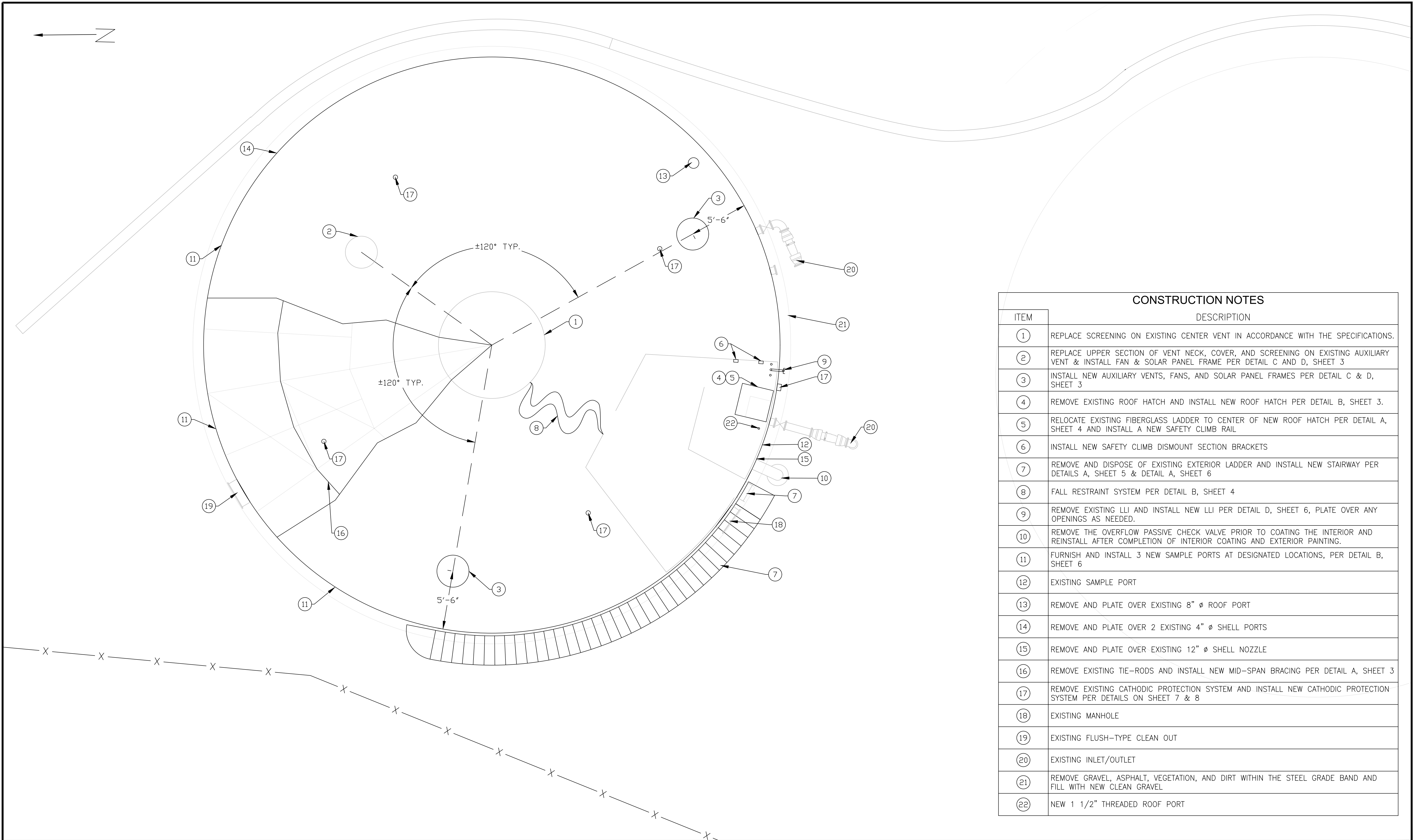




CONSTRUCTION NOTES	
ITEM	DESCRIPTION
①	REPLACE SCREENING ON EXISTING CENTER VENT IN ACCORDANCE WITH THE SPECIFICATIONS.
②	REPLACE UPPER SECTION OF VENT NECK, COVER, AND SCREENING ON EXISTING AUXILIARY VENT & INSTALL FAN & SOLAR PANEL FRAME PER DETAIL C AND D, SHEET 3
③	INSTALL NEW AUXILIARY VENTS, FANS, AND SOLAR PANEL FRAMES PER DETAIL C & D, SHEET 3
④	REMOVE EXISTING ROOF HATCH AND INSTALL NEW ROOF HATCH PER DETAIL B, SHEET 3.
⑤	RELOCATE EXISTING FIBERGLASS LADDER TO CENTER OF NEW ROOF HATCH PER DETAIL A, SHEET 4 AND INSTALL A NEW SAFETY CLIMB RAIL
⑥	INSTALL NEW SAFETY CLIMB DISMOUNT SECTION BRACKETS
⑦	REMOVE AND DISPOSE OF EXISTING EXTERIOR LADDER AND INSTALL NEW STAIRWAY PER DETAILS A, SHEET 5 & DETAIL A, SHEET 6
⑧	FALL RESTRAINT SYSTEM PER DETAIL B, SHEET 4
⑨	REMOVE EXISTING LLJ AND INSTALL NEW LLJ PER DETAIL D, SHEET 6, PLATE OVER ANY OPENINGS AS NEEDED.
⑩	REMOVE THE OVERFLOW PASSIVE CHECK VALVE PRIOR TO COATING THE INTERIOR AND REINSTALL AFTER COMPLETION OF INTERIOR COATING AND EXTERIOR PAINTING.
⑪	FURNISH AND INSTALL 3 NEW SAMPLE PORTS AT DESIGNATED LOCATIONS, PER DETAIL B, SHEET 6
⑫	EXISTING SAMPLE PORT
⑬	REMOVE AND PLATE OVER EXISTING 8" Ø ROOF PORT
⑭	REMOVE AND PLATE OVER 2 EXISTING 4" Ø SHELL PORTS
⑮	REMOVE AND PLATE OVER EXISTING 12" Ø SHELL NOZZLE
⑯	REMOVE EXISTING TIE-RODS AND INSTALL NEW MID-SPAN BRACING PER DETAIL A, SHEET 3
⑰	REMOVE EXISTING CATHODIC PROTECTION SYSTEM AND INSTALL NEW CATHODIC PROTECTION SYSTEM PER DETAILS ON SHEET 7 & 8
⑱	EXISTING MANHOLE
⑲	EXISTING FLUSH-TYPE CLEAN OUT
⑳	EXISTING INLET/OUTLET
㉑	REMOVE GRAVEL, ASPHALT, VEGETATION, AND DIRT WITHIN THE STEEL GRADE BAND AND FILL WITH NEW CLEAN GRAVEL
㉒	NEW 1 1/2" THREADED ROOF PORT



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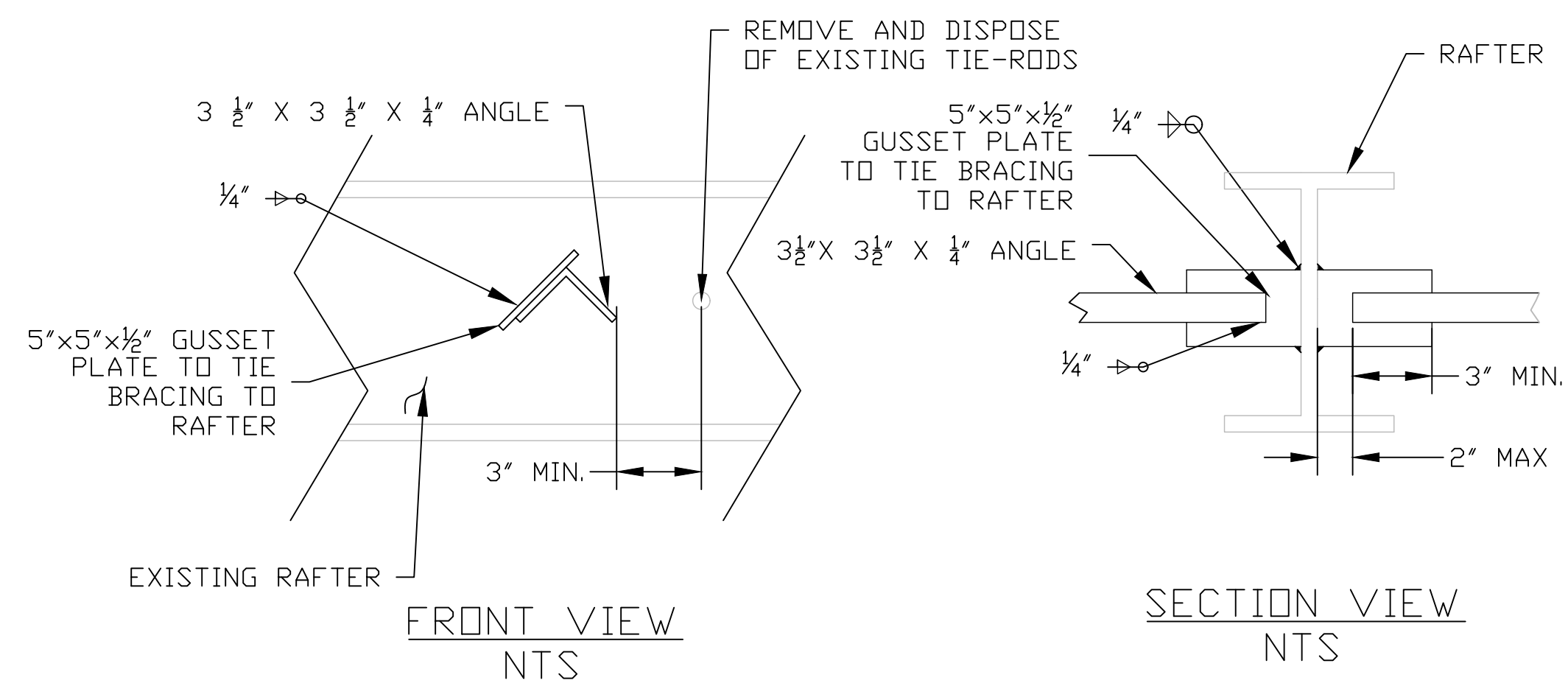
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CRESCENTA VALLEY WATER DISTRICT
GOSS CANYON NO. 1 RESERVOIR
REHABILITATION PROJECT

SHEET TITLE

RESERVOIR LAYOUT

PROJECT NO. 3131
SHT. 2 OF 8 SHTS.
SCALE: NTS



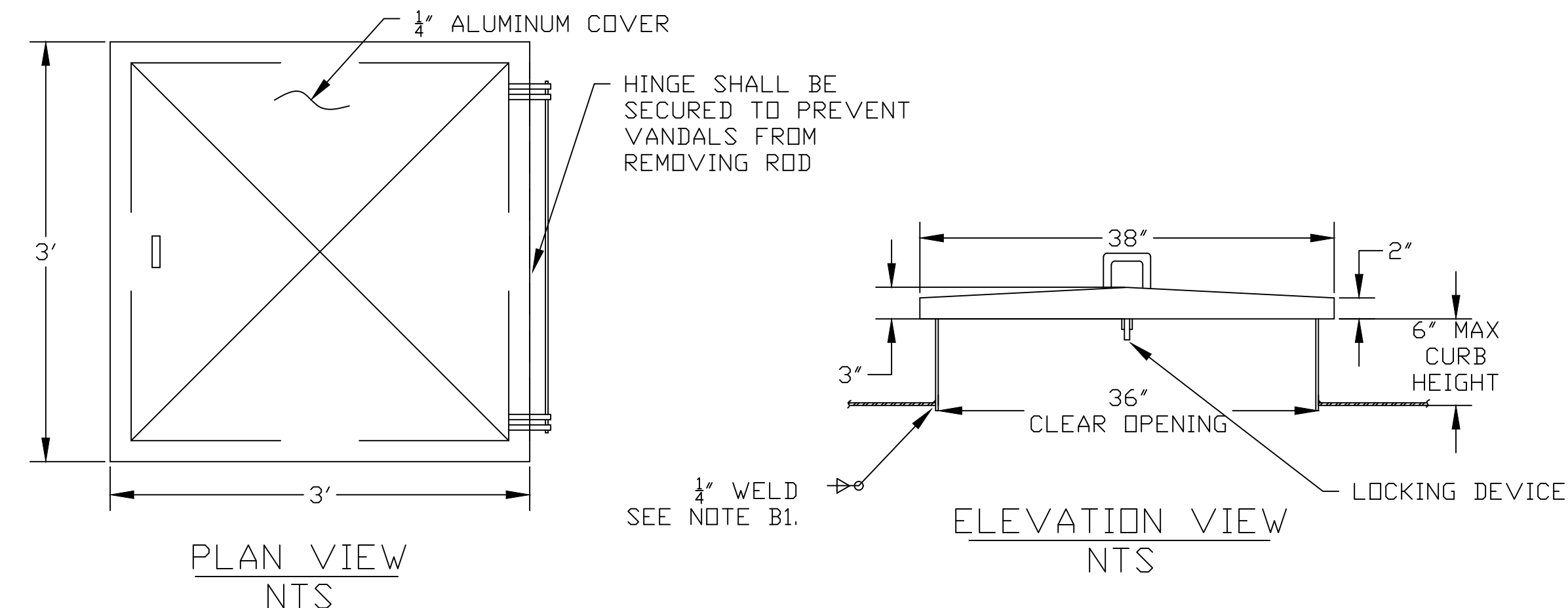
MID-SPAN BRACING DETAILS

NTS

A

NOTES:

- A1. REMOVE AND DISPOSE OF ALL EXISTING TIE-RODS.
- A2. INSTALL NEW LATERAL BRACING AT THE MID-SPAN OF THE JACK RAFTERS.



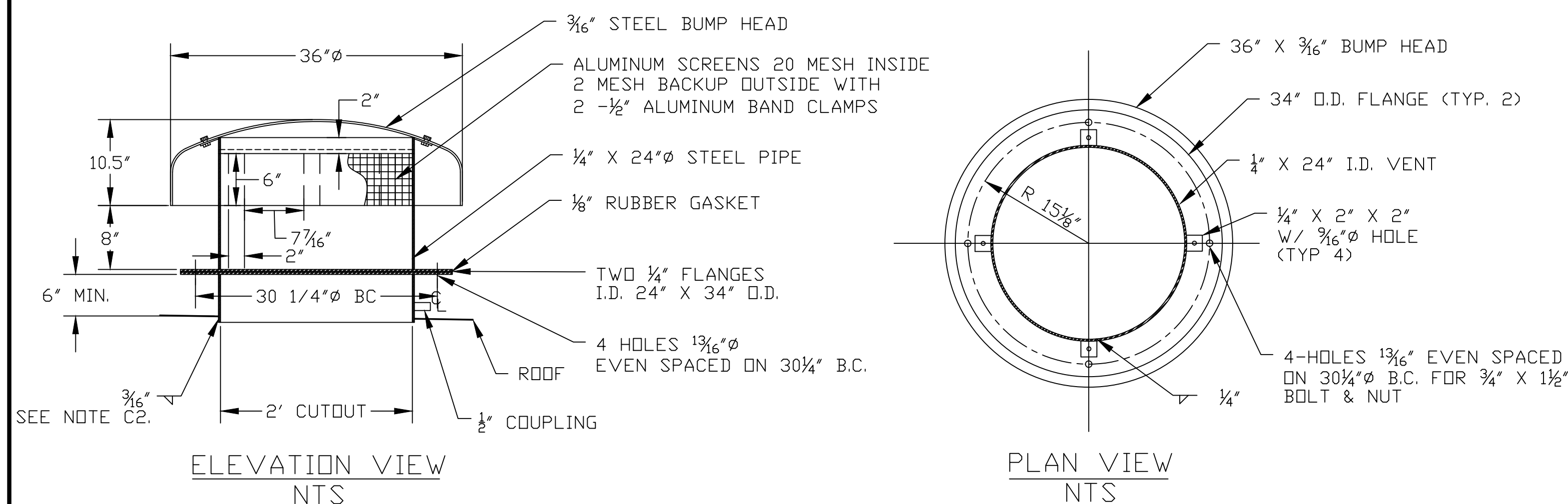
ROOF HATCH DETAILS

NTS

B

NOTE:

- B1. HATCH CURB MUST PENETRATE THE ROOF A MIN. OF 1" AND MAX. OF 2" ON THE LOW SIDE OF THE ROOF. PLACE SEAL WELD ON INTERIOR AND EXTERIOR OF THE RESERVOIR.
- B2. HATCH SHALL OPEN TOWARDS THE CENTER OF THE TANK.



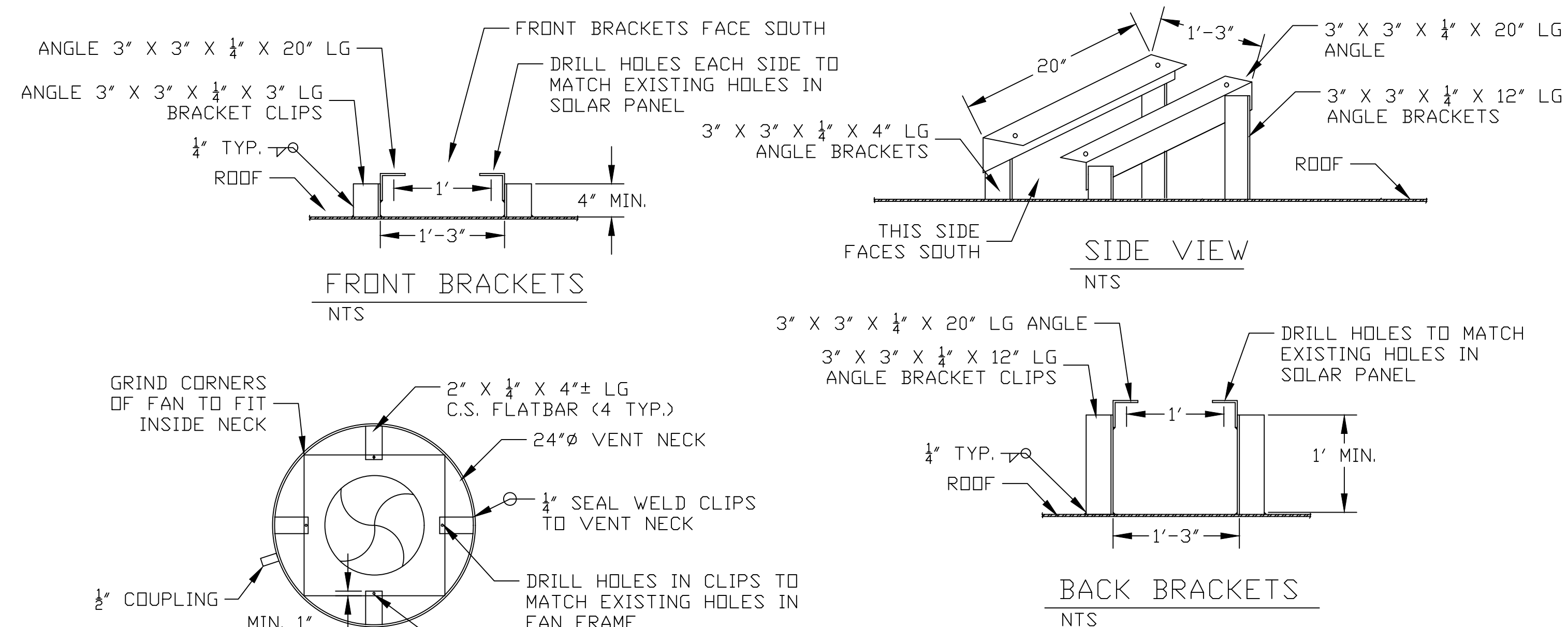
24" AUXILIARY VENT

NTS

C

NOTE:

- C1. VENT CENTER LOCATION SHALL BE APPROXIMATELY 5-FEET AWAY FROM THE SHELL AND APPROXIMATELY. THE VENT SHALL BE ADJUSTED AS NEEDED TO FIT BETWEEN RAFTERS.
- C2. CUT NECK FLUSH WITH THE ROOF AND SEAL WELD ON BOTH INTERIOR AND EXTERIOR OF ROOF.
- C3. REPLACE VENT ABOVE FLANGE, INCLUDING SCREENING AND COVER ON THE EXISTING AUXILIARY VENT.



AUXILIARY VENT FAN

NTS

D

NOTES:

- D1. SOLAR PANEL SHALL BE MOUNTED 12" FROM THE AUXILIARY VENT
- D2. INSTALL GALVANIZED CONDUIT AND FITTINGS FROM VENT NECK TO SOLAR PANEL. CONNECT WIRES IN A JUNCTION BOX.
- D3. INSTALL FAN TO CIRCULATE AIR FROM OUTSIDE THE TANK TO INSIDE THE TANK.



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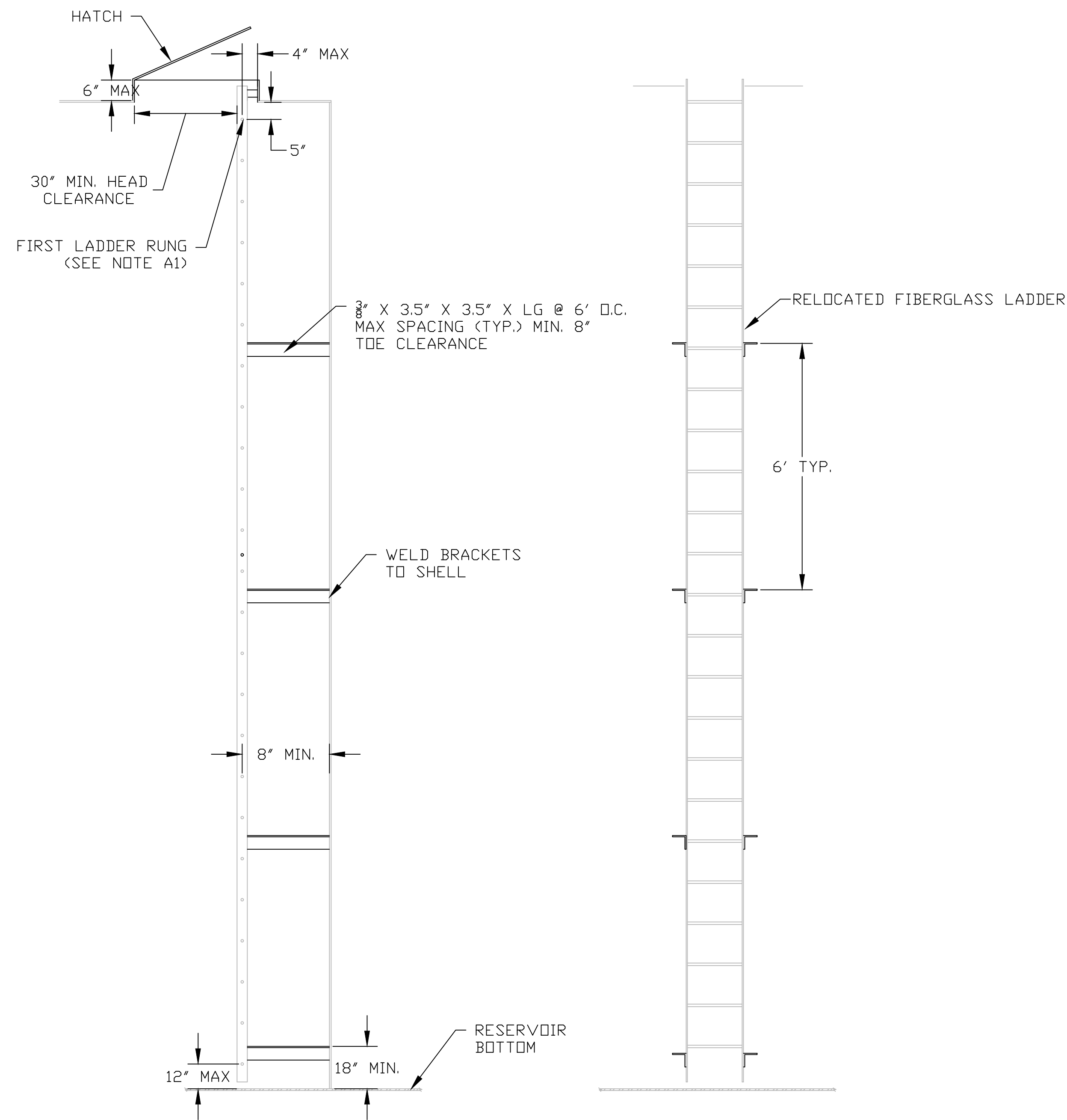
SHEET TITLE

MID-SPAN BRACING,
ROOF HATCH, & VENT DETAILS

PROJECT NO. 3131

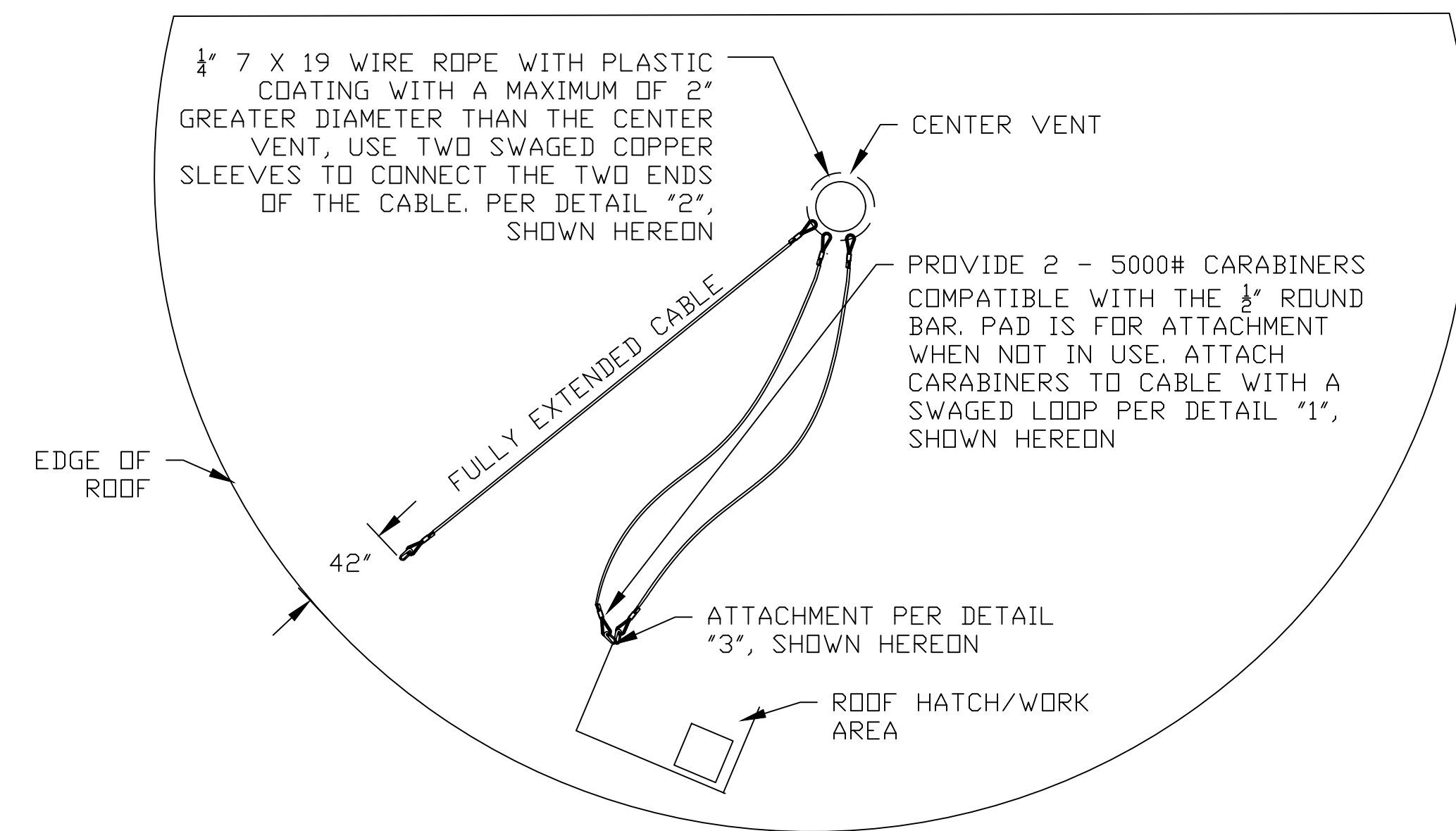
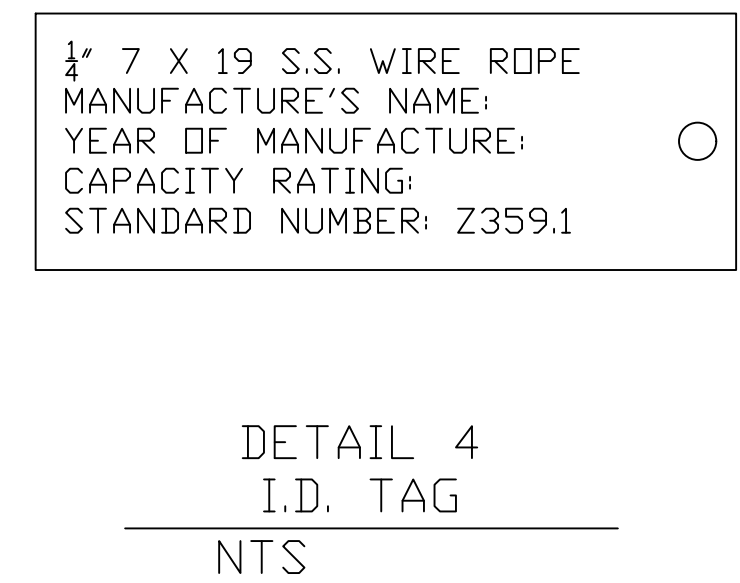
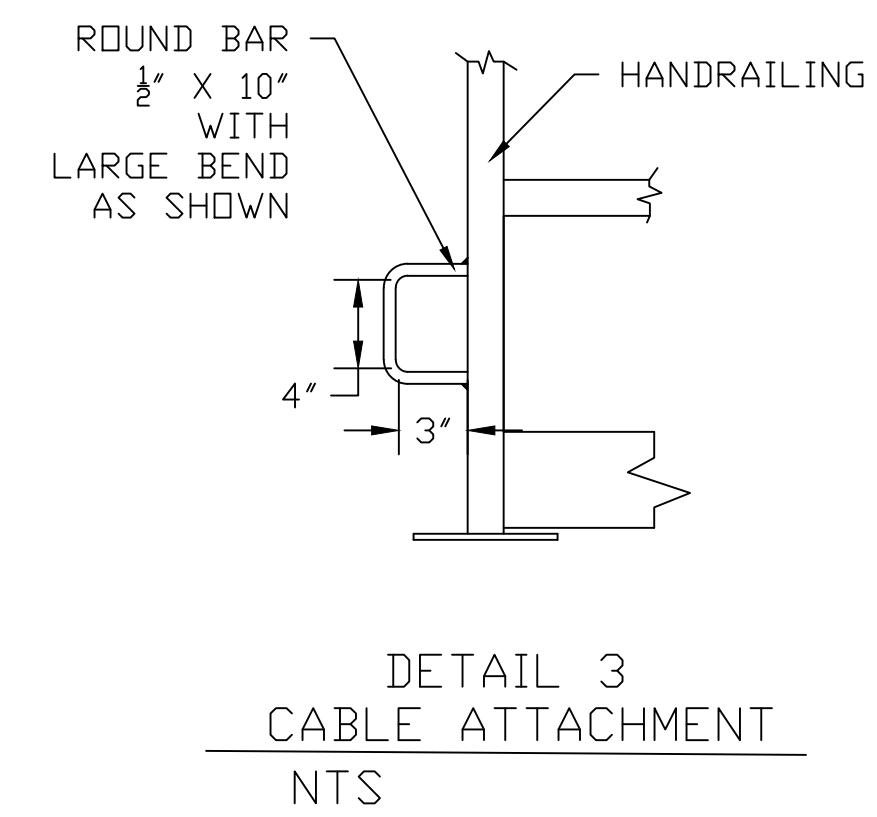
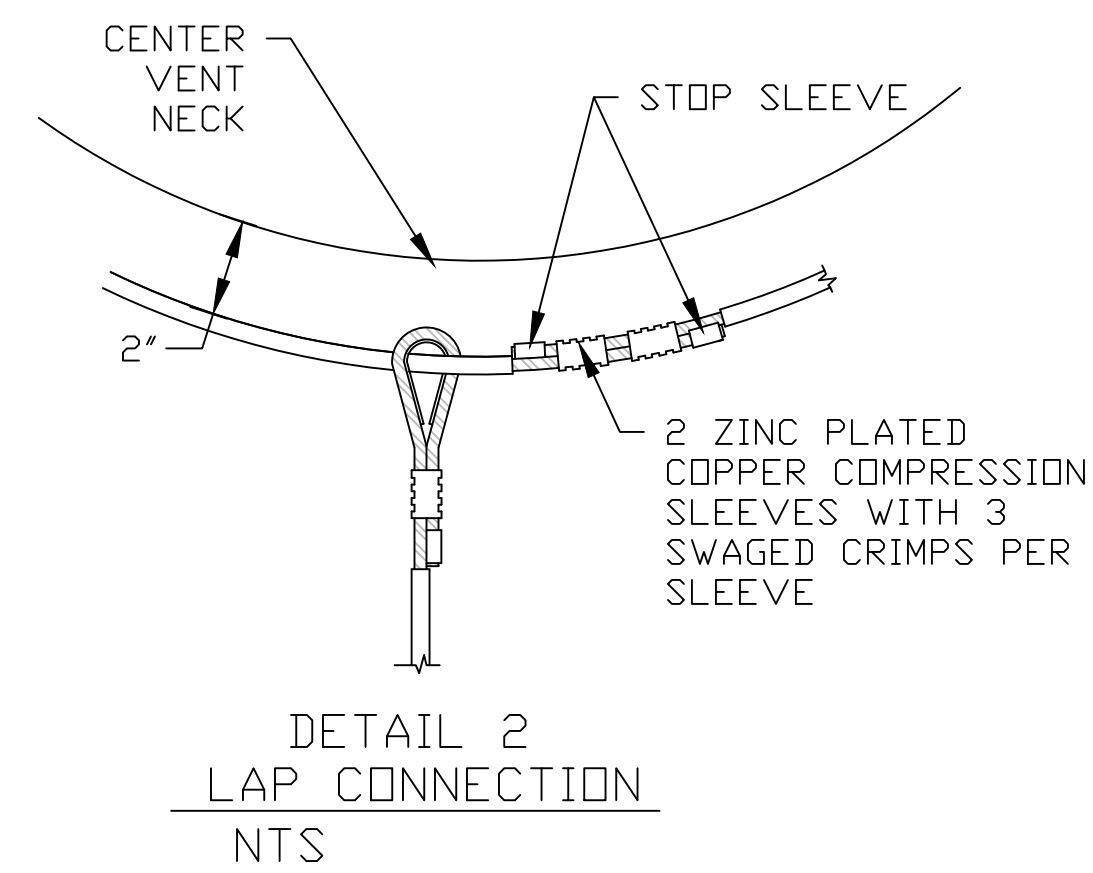
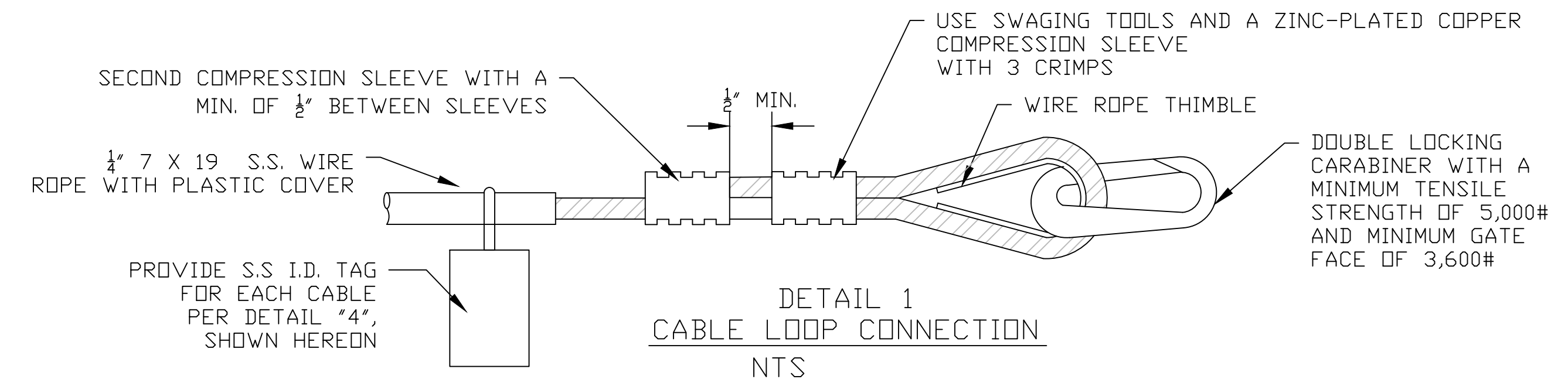
SHT. 3 OF 8 SHTS.

SCALE: NTS



INTERIOR LADDER DETAIL
NTS

NOTES:
A1. FIRST LADDER RUNG SHALL BE LOCATED A MIN. OF 5' AND MAX 10' BELOW ROOF PLATE AND MIN. OF 8' FROM SHELL.



FALL RESTRAINT SYSTEM
NTS



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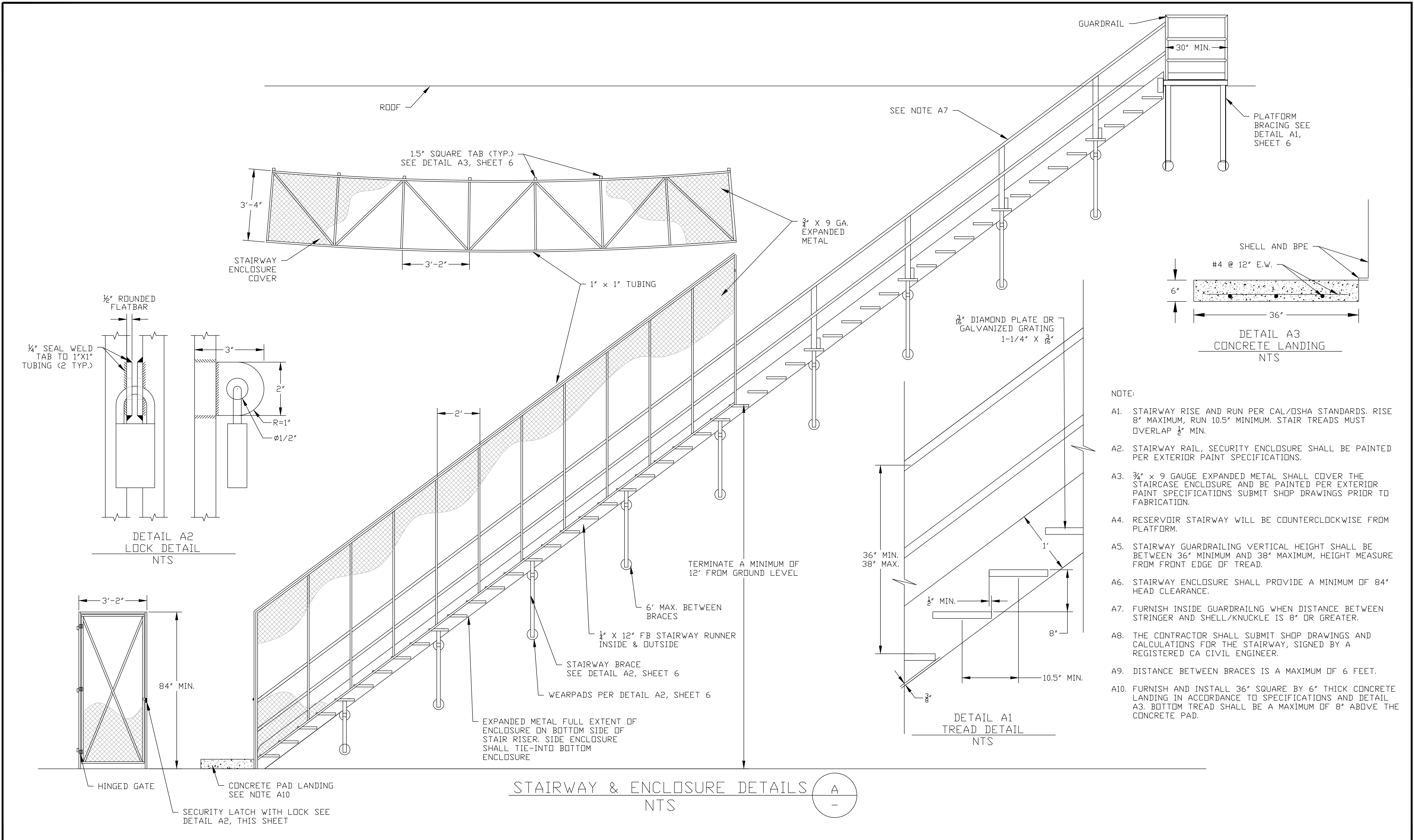
SHEET TITLE

INTERIOR LADDER & FRS DETAILS

PROJECT NO. 3131

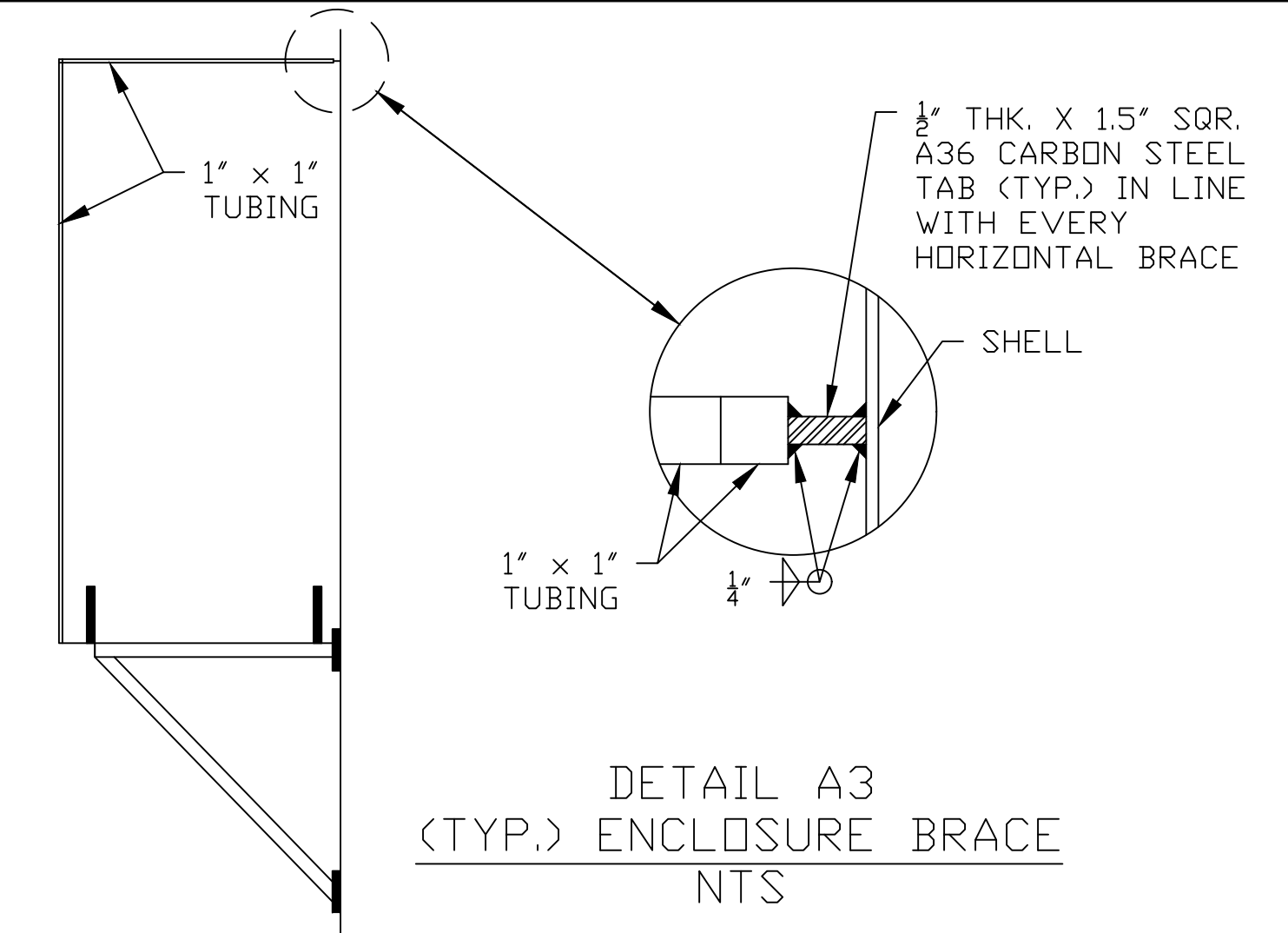
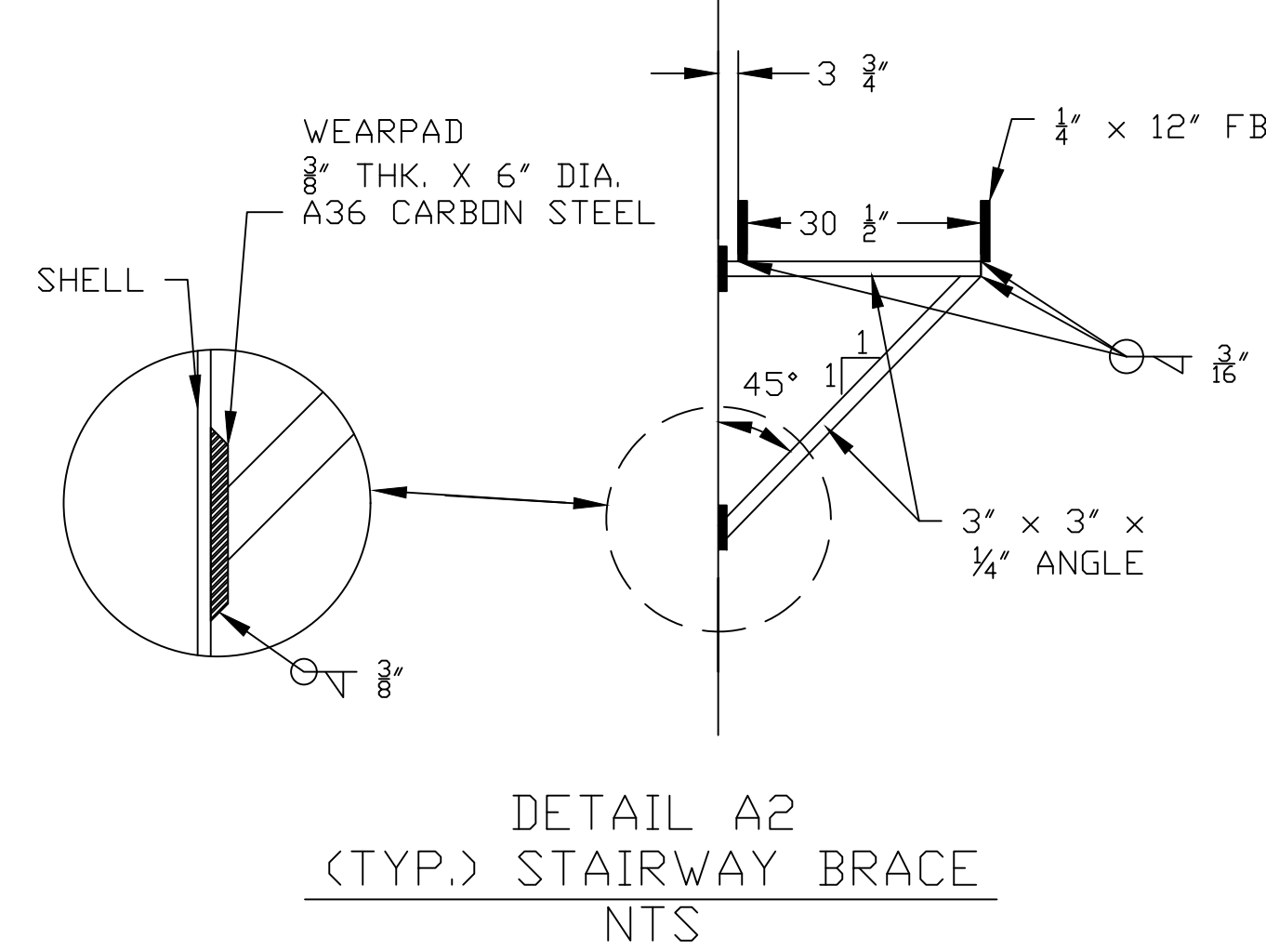
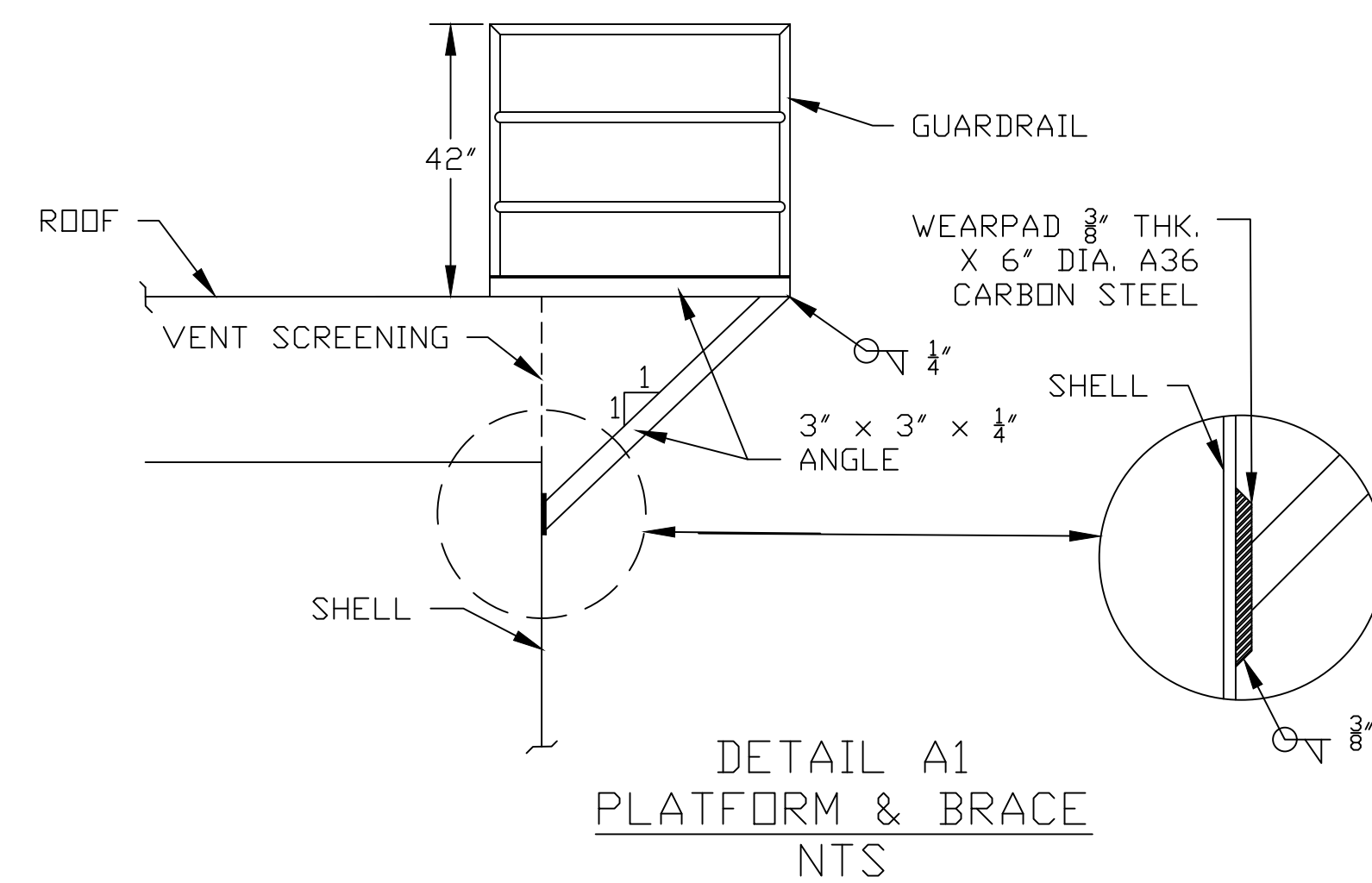
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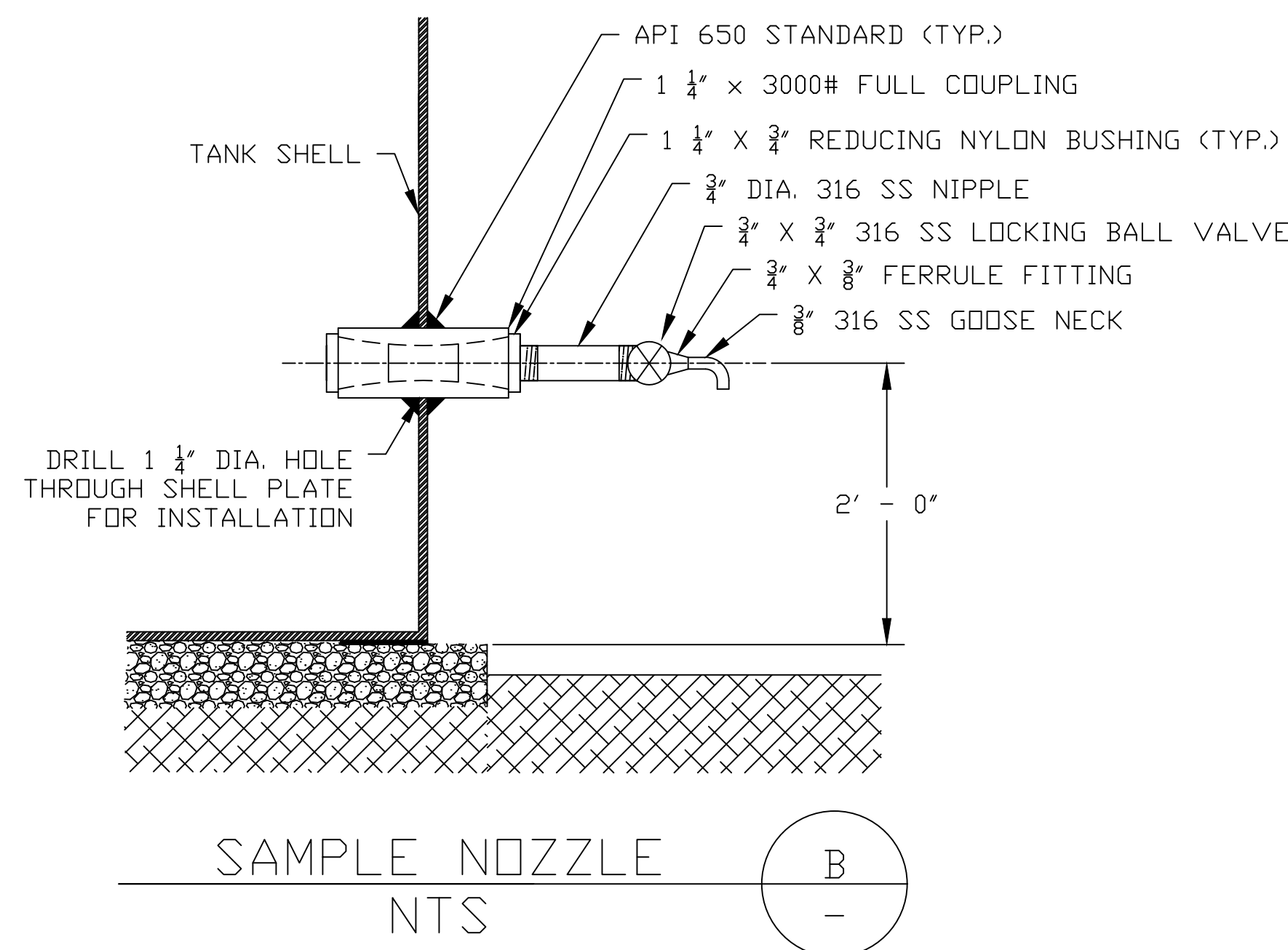
- NOTE:
- A1. STAIRWAY RISE AND RUN PER CAL/OSHA STANDARDS. RISE 8" MAXIMUM, RUN 10.5" MINIMUM. STAIR TREADS MUST OVERLAP 1/2" MIN.
 - A2. STAIRWAY RAIL, SECURITY ENCLOSURE SHALL BE PAINTED PER EXTERIOR PAINT SPECIFICATIONS.
 - A3. 3/4" x 9 GAUGE EXPANDED METAL SHALL COVER THE STAIRCASE ENCLOSURE AND BE PAINTED PER EXTERIOR PAINT SPECIFICATIONS. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION.
 - A4. RESERVOIR STAIRWAY WILL BE COUNTERCLOCKWISE FROM PLATFORM.
 - A5. STAIRWAY GUARDRAILING VERTICAL HEIGHT SHALL BE BETWEEN 36" MINIMUM AND 38" MAXIMUM, HEIGHT MEASURE FROM FRONT EDGE OF TREAD.
 - A6. STAIRWAY ENCLOSURE SHALL PROVIDE A MINIMUM OF 84" HEAD CLEARANCE.
 - A7. FURNISH INSIDE GUARDRAILING WHEN DISTANCE BETWEEN STRINGER AND SHELL/KNUCKLE IS 8" OR GREATER.
 - A8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR THE STAIRWAY, SIGNED BY A REGISTERED CA CIVIL ENGINEER.
 - A9. DISTANCE BETWEEN BRACES IS A MAXIMUM OF 6 FEET.
 - A10. FURNISH AND INSTALL 36" SQUARE BY 6" THICK CONCRETE LANDING IN ACCORDANCE TO SPECIFICATIONS AND DETAIL A3. BOTTOM TREAD SHALL BE A MAXIMUM OF 8" ABOVE THE CONCRETE PAD.

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		CHECKED: KH							
		DATE: 10-24-22	NO.	DESCRIPTION	DATE:	APPROVED			SCALE: NTS
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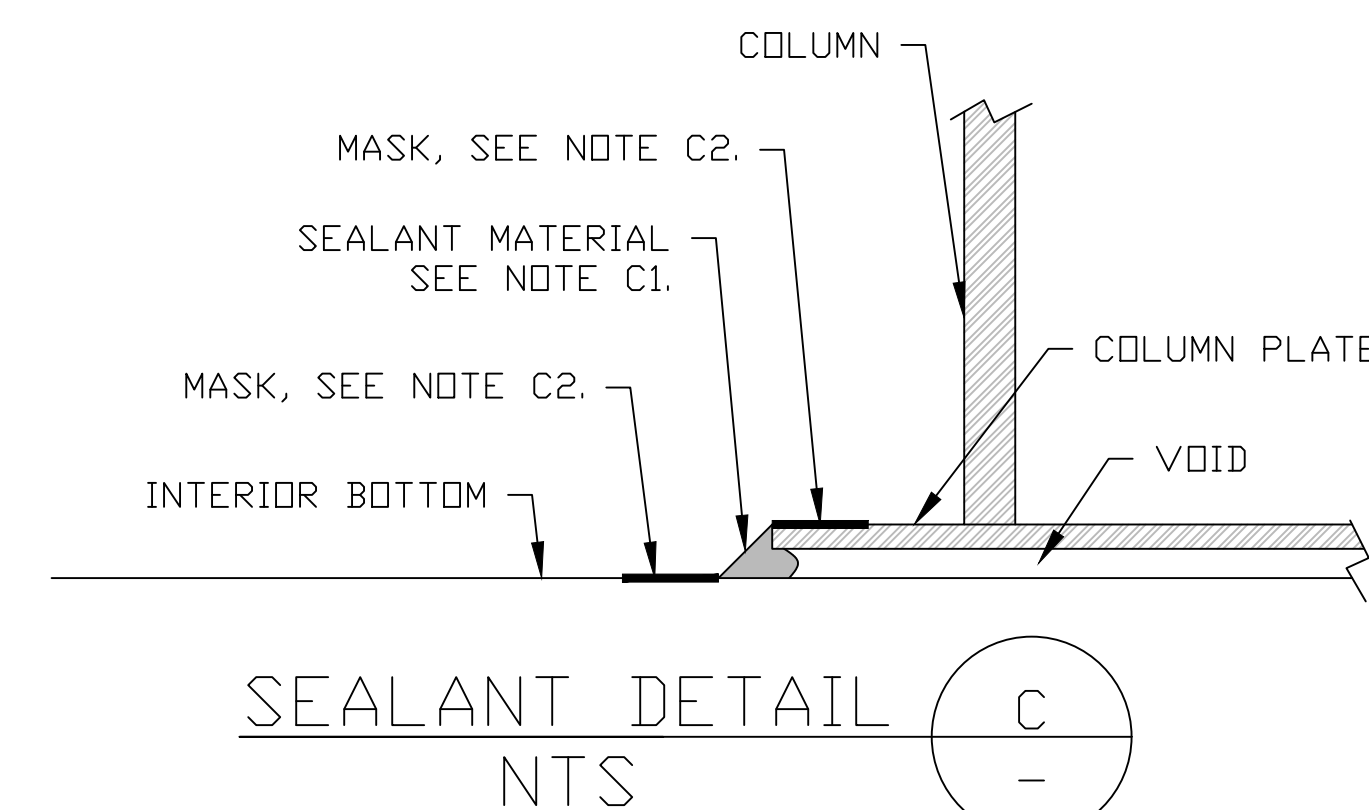


STAIRWAY & PLATFORM BRACING
NTS

A
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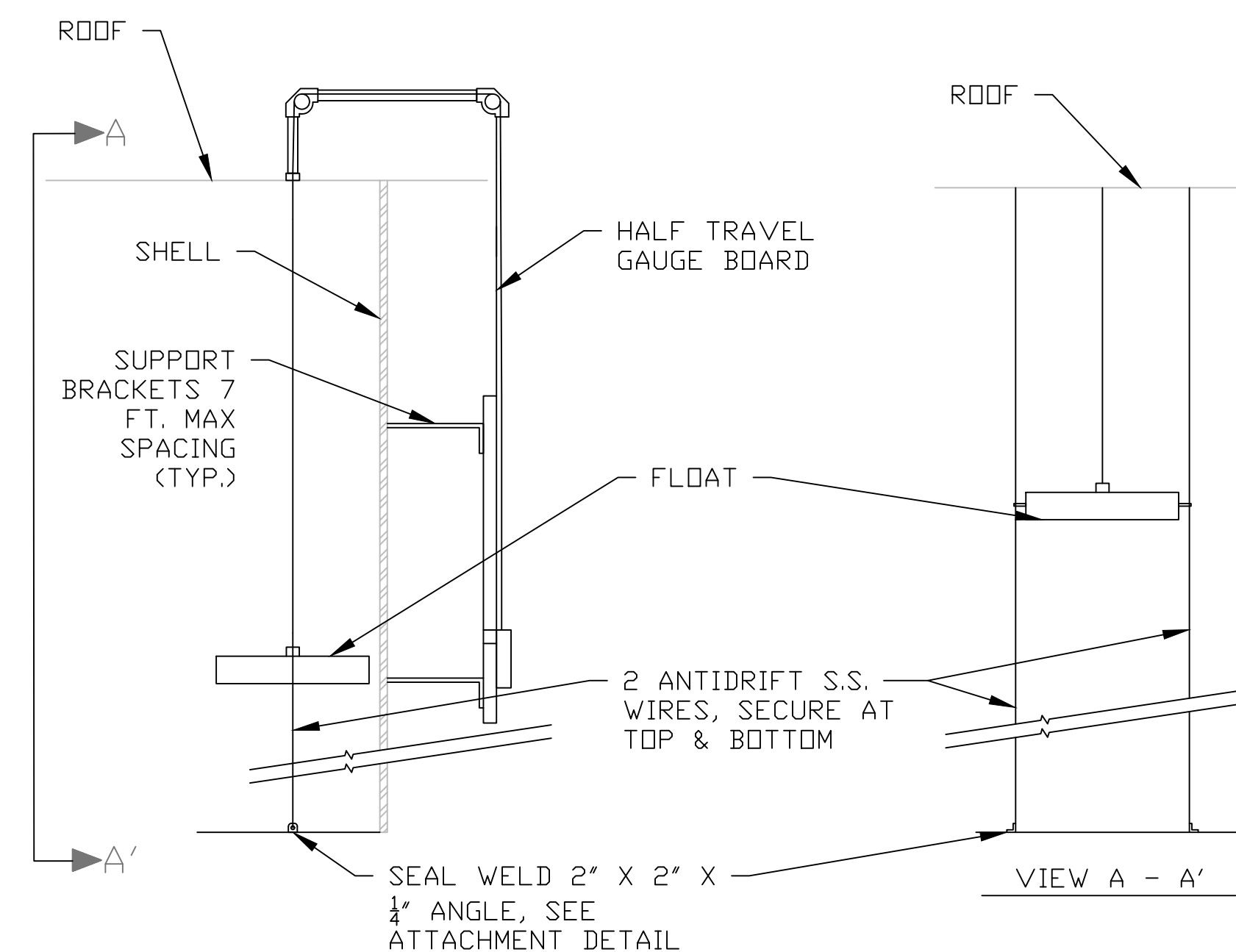


B
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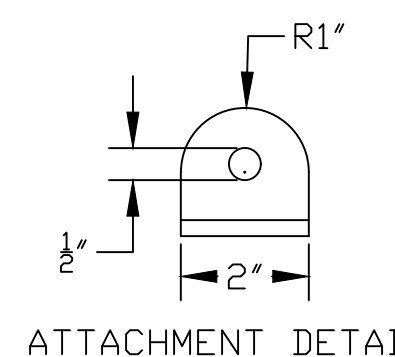


C
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- NOTES:
- C1. THE SEALANT MATERIAL SHALL BE PUSHED INTO THE VOID BELOW THE PLATE AND TROWELED AT A 45° ANGLE FROM THE OUTER TOP EDGE OF THE PLATE.
- C2. MASK A DISTANCE OF 45° AWAY FROM APPLICATION AREA TO OBTAIN A CLEAN LINE. REMOVE MASKING AFTER COMPLETION OF CAULKING.



D
-



- NOTE:
- D1. INSTALL 1/2" Ø RUBBER GROMMET IN THE 1/2" HOLE FROM MCMASTER-CARR PRODUCT#9600K54.



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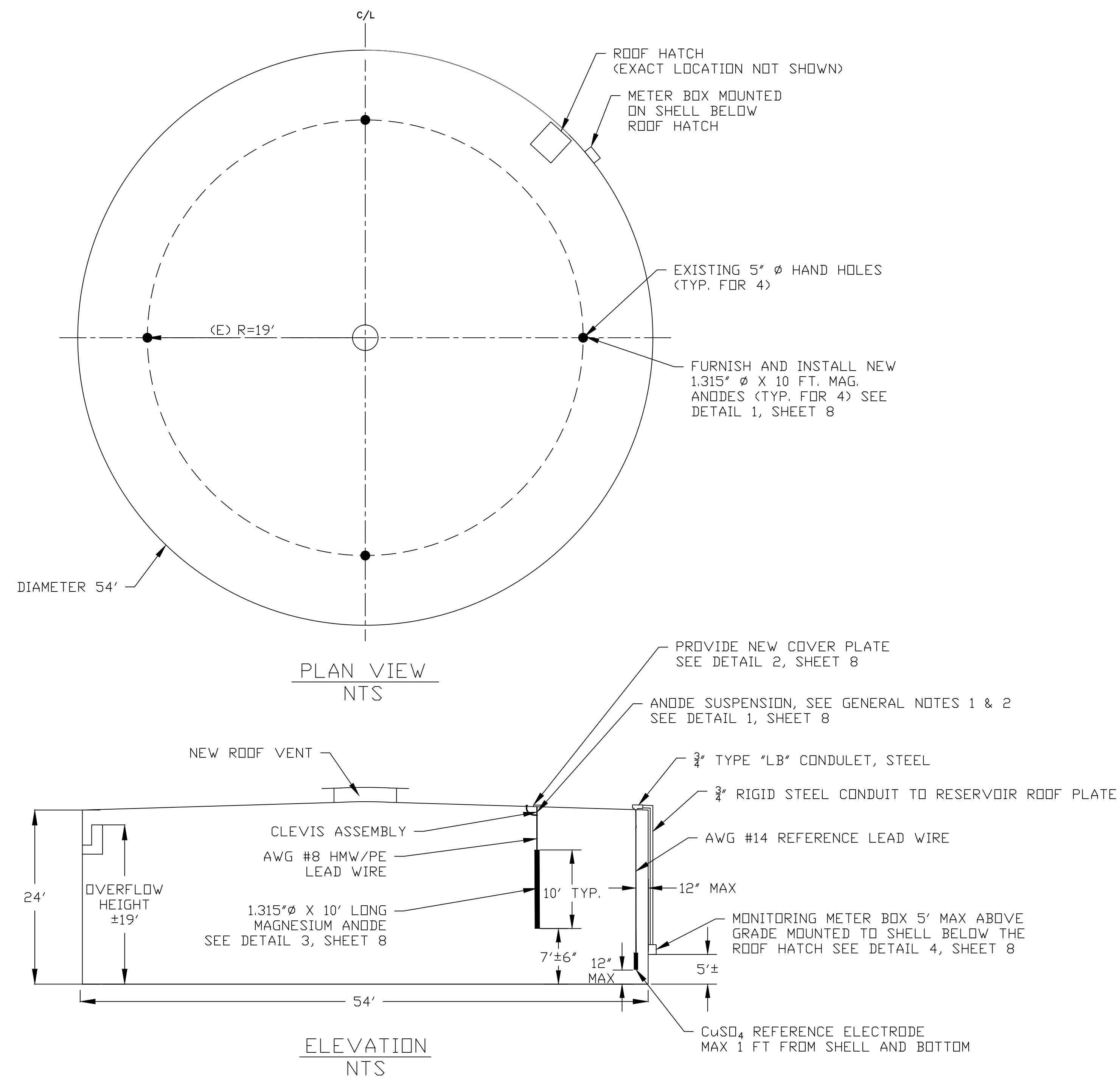
SHEET TITLE

STAIRWAY BRACING, SAMPLE NOZZLE,
SEALANT, & INLET/OUTLET DETAILS

PROJECT NO. 3131

SHT. 6 OF 8 SHTS.

SCALE: NTS



GENERAL NOTES

1. PROVIDE NEW ANODE MOUNTING HARDWARE PER DETAIL 1, SHEET 8
2. ANODES TO BE SUSPENDED BY THEIR OWN LEAD WIRE PER DETAIL 1, SHEET 8
3. CLEAN METAL UNDER SOLDERLESS LUG TO BARE WITH GRINDER OR WIRE BRUSH. COVER ALL EXPOSED METAL WITH MIN. $\frac{1}{16}$ " EPOXY AFTER ASSEMBLY.
4. REMOVE AND DISPOSE OF EXISTING CATHODIC PROTECTION SYSTEM.

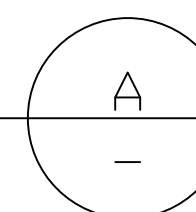
LEGEND

- EXISTING 5" ϕ HANDHOLES - PROVIDE NEW 1.315" ϕ X 10' MAGNESIUM ANODES (TYP. FOR 4) WITH COVER

MATERIAL LIST

ITEM	QUANTITY	DESCRIPTION
1 ANODE	4	1.315" DIA. X 10' MAGNESIUM GALVOROD ANODE WITH 15' AWG. #8 STRANDED COPPER LEAD WIRE, HMW/PE INSULATION, BLACK.
2 SOLDERLESS LUG	4	T & B #31003 COPPER OR BRONZE, SIZED FOR AWG #8 CONDUCTOR (OR APPROVED EQUAL)
3 SERVICE SLEEVE	4	HOT-DIPPED GALVANIZED STEEL CRIMPABLE SLEEVE, SIZED TO FIT AROUND TWO CONDUCTORS.
4 CLEVIS ASSEMBLY	4	STEEL HEAVY DUTY, GALVANIZED WITH CERAMIC SPOOL
5 HANDHOLE COVER	4	6" DIA. X $\frac{3}{32}$ " GALVANIZED STEEL PLATE WITH 7 $\frac{1}{2}$ " X 1" X $\frac{1}{4}$ " GALVANIZED STEEL BAR, STAINLESS STEEL $\frac{1}{2}$ " BOLT AND FULL FACE NEOPRENE RUBBER GASKET AND GROMMET.
6 BOLTS/NUTS FOR CABLE LUG	4	$\frac{1}{4}$ " - 20 STAINLESS STEEL BOLTS AND NUTS, LENGTH APPROX. 1".
7 METER ASSEMBLY AND REFERENCE ELECTRODE	1	FIBERGLASS OR POLYCARBONATE ENCLOSURE BOX PLUS METER AND SWITCH, COPPER SULFATE REFERENCE

CATHODIC PROTECTION
NTS



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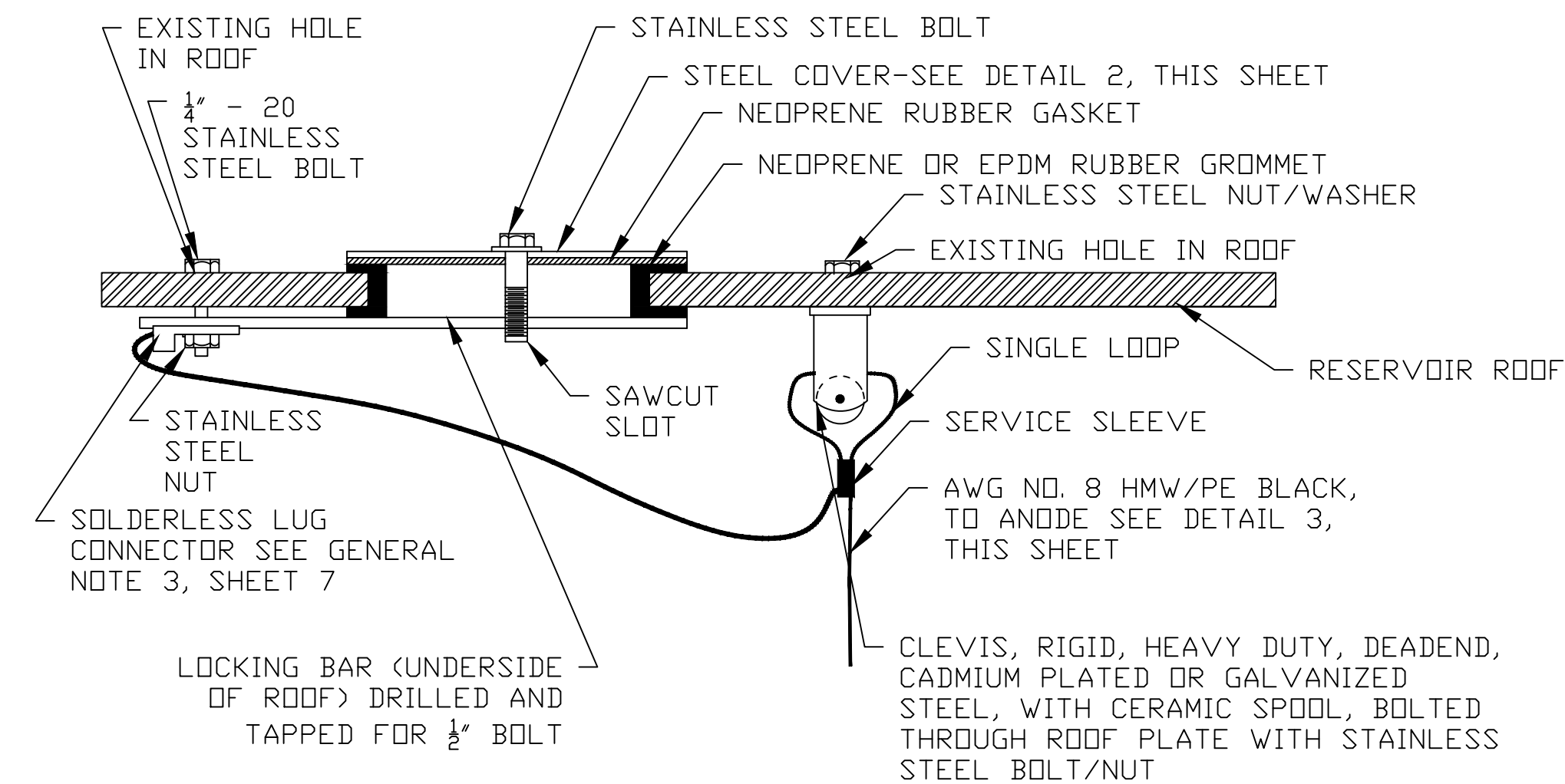
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CATHODIC PROTECTION LAYOUT

PROJECT NO. 3131

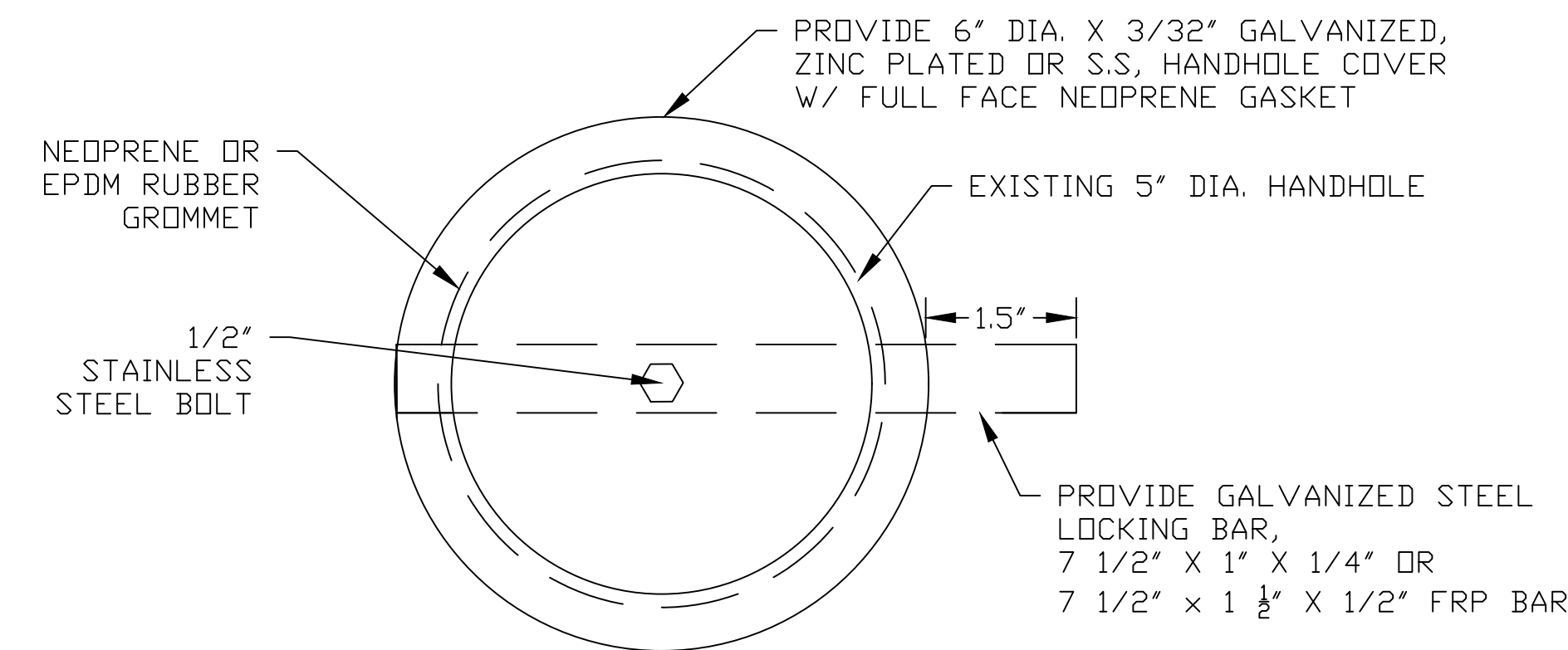
SHT. 7 OF 8 SHTS.

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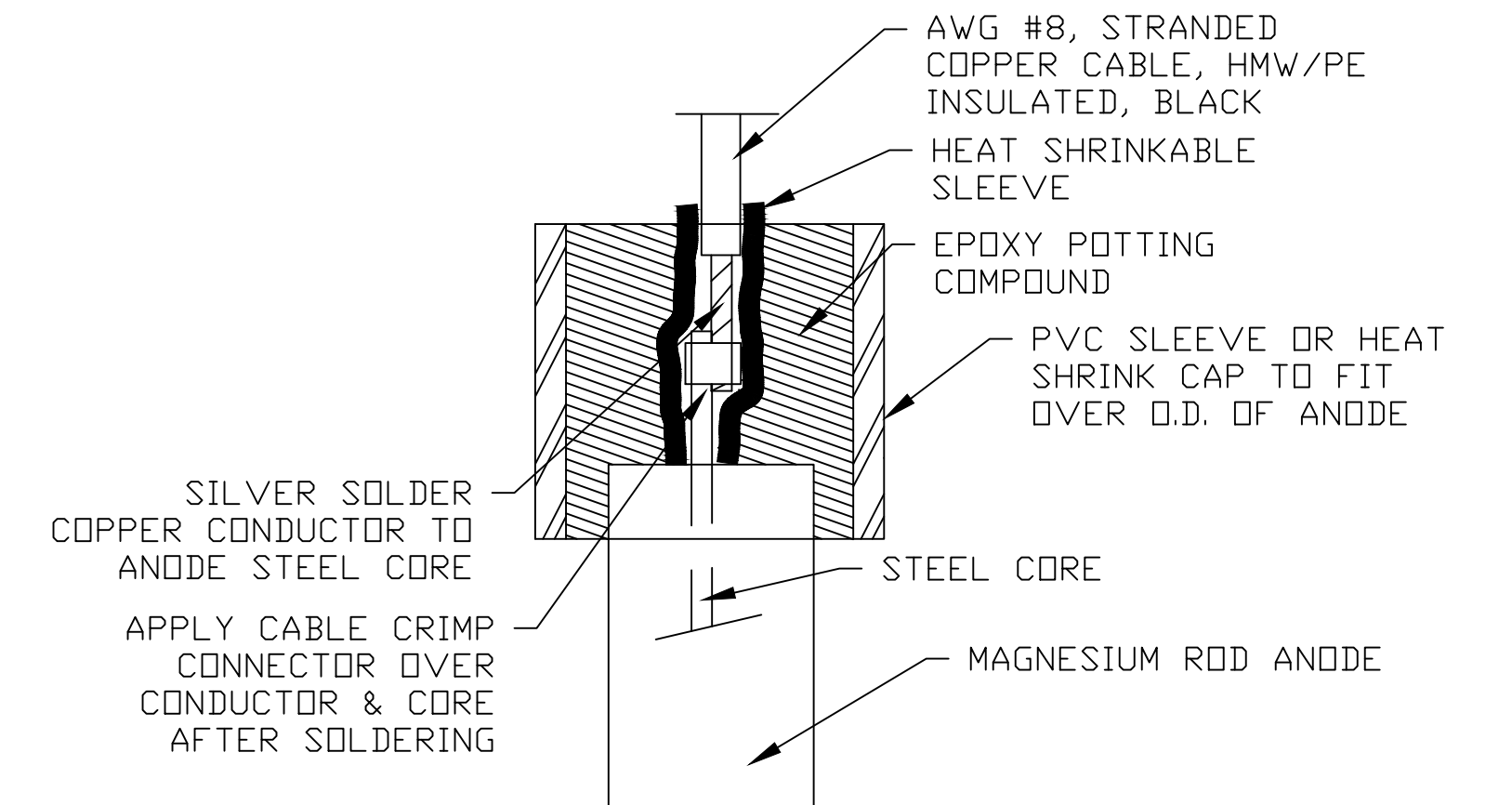
ANODE MOUNTING ASSEMBLY
NTS

1
-



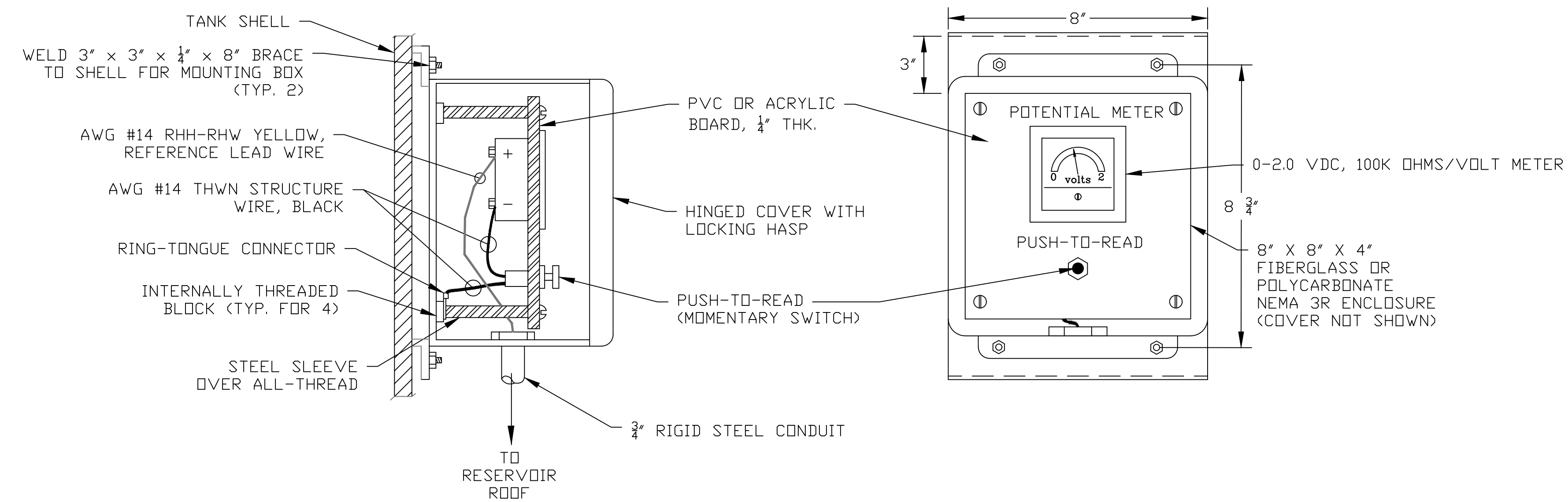
HANDHOLE COVER
NTS

2
-



LEAD WIRE ATTACHMENT TO ANODE
NTS

3
-



POTENTIAL METER & ENCLOSURE
EXTERIOR MOUNTED ON RESERVOIR SHELL
NTS

4
-



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CATHODIC PROTECTION DETAILS

PROJECT NO. 3131

SHT. 8 OF 8 SHTS.

SCALE: NTS