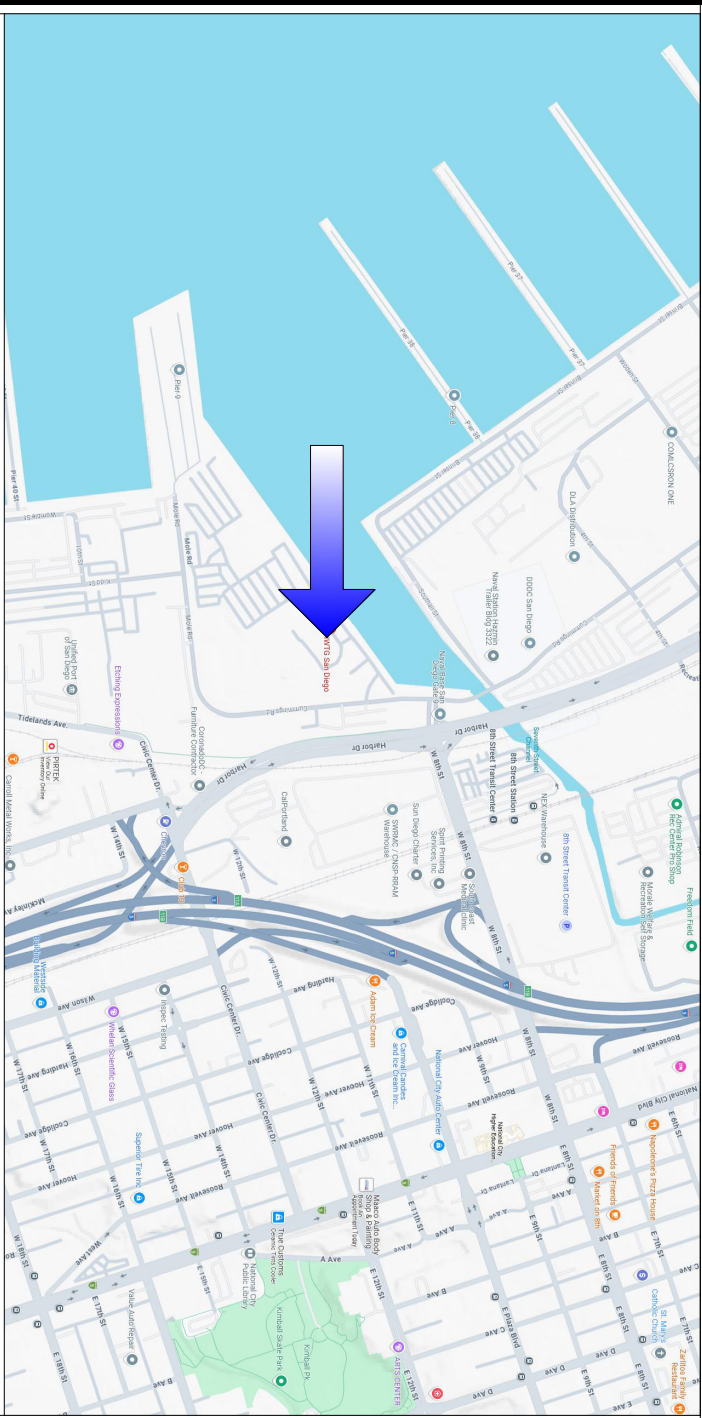


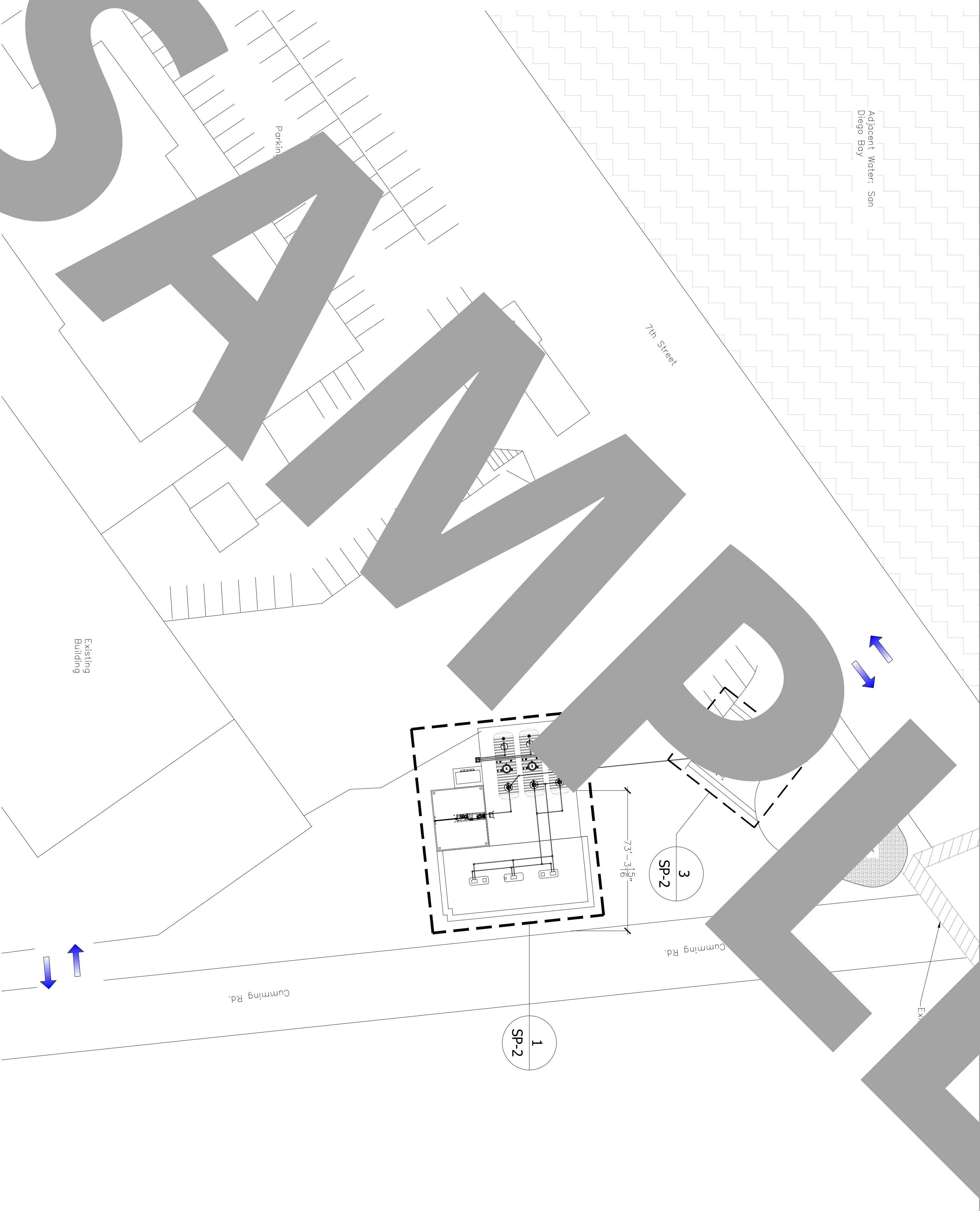
NBSD Building B305

UST Installation



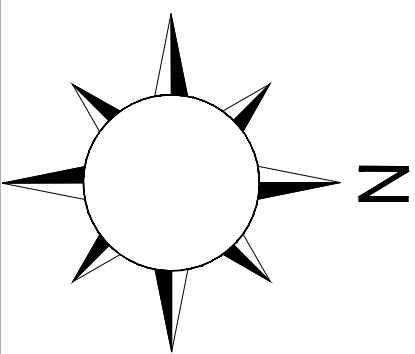
VICINITY MAP

LEGEND	
1 SP-1	Existing Site Plan Layout
2	Scope of Work
3	Parts List
4 SP-2	Job Plan View & Dispenser Elevation
5 A-1	Tank Plan View & Tank Details
6 A-2	Tank Details/Transition Boxes
7 A-3	Tank Details/Skid/UDC's
8 A-4	Tank Details
9 A-5	Module Details
10 S-1	Structural Details
11 S-2	Structural Details
12 E-1	Electrical Details
13 E-1.1	Electrical Details
14 E-2	Electrical Details



ALL PIPING SLOPES $\frac{1}{8}''$ PER FOOT BACK TO THE TANK.

WILL FOLLOW APPLICABLE CODES
2022 CBC-2022 CEC-2022 CFC



Scale
 $1/16'' = 1'-0''$



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No.	Revision/Issue	Date

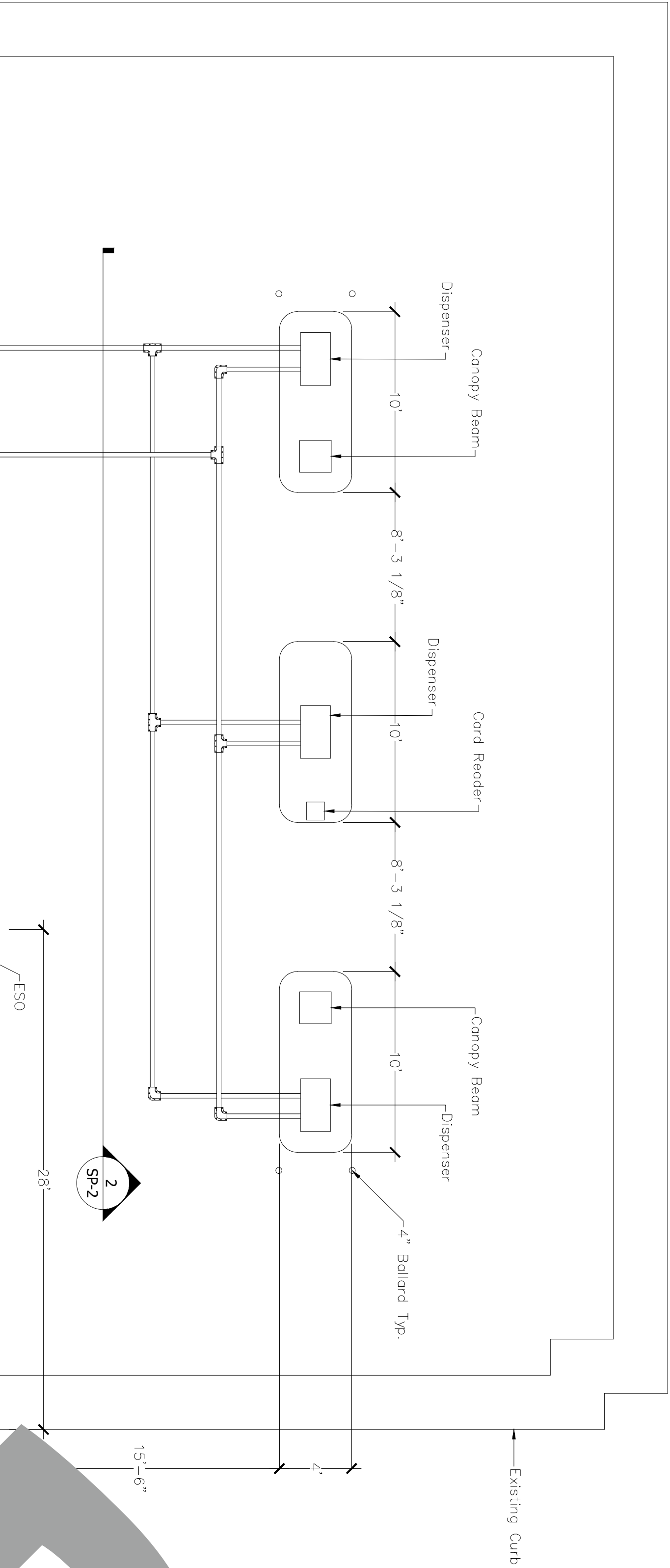
SP-1

Sheet Title:
Site Plan Layout

Project: _____	Sheet: _____
Date: 09/21/2025	SP-1
Scale: 1/16"=1'-0"	

Ports List	#	Qty.	Port #	Description
TANKS	1	3	20,000 Gallon DW FRP Tank	XERKES 20,000-10'0 Double Wall FRP Tank Brine Reservoir/Brine-Factory Filled 22' Momway – DW (5'-4" NPT per Cover) 36" Momway – DW (4'-4" NPT in Cover) 4"
	2	3	42x60 SLUMP PKG	Cover Fitting(s) (Half Cpg.) 10' Fiberglass Ladder XERKES Double Wall Collar & Sump Package: 42" diameter DW Collar with 42" x 60"
	3	3	48x60 SLUMP PKG	DW Sump with Open Top, 36" Access, Brine and FRP Bonding Kits XERKES Double Wall Collar & Sump Package: 48" diameter DW Round Containment
	4	3	54x60 SLUMP PKG	Collar with 48" x 60" DW Sump with 36" Watertight Lid, Brine and FRP Bonding Kits
	5	3		Collar with 54" x 60" DW Sump Straight Tube with Open Top, Brine and FRP Bonding Kits
	6	3		Xerxes 6 Straps for 20K – 10' dia. Tank
	7	3		Xerxes Deadmen 10-20K
	7	3		Xerxes 12 Turnbuckles for 20k – 10' dia tank
TANK HARDWARE	8	2	PK42-42RTMP-33	OPW 6571 Series Package Kit including: 6571EVRB-164042RT052 EVR Multifport 42" Dia 61USK-44CB EVR Jack Screw Ass. For Cast Iron Base Fills 61SALP-1020-EVR Fuel Swivel Adapter Low Profile, Bronze 634TT-7085-EVR 4" Fill Cap 61VSA-1020-EVR Vapor Swivel Adapter, Bronze 1711T-7085-EVR 4" Vapor Cap 723V-2203 2" Thread-on, 3" wc pres., 8" wc voc. VPM4x7 4" Nipple 7" Long for Fill FSA-400-S Short EVR Force Seal Adapter H12806M 4" Nipple 5" Long for Vapor 6511-RB16 Riser Spacer 16" Center to Center MPWS-33 Sump Shield for Sumps Lids Up to 32.5" Di.
	9	2	PK3-42RTDIESEL-33	OPW 6571 Series Package Kit including: 6571EVAL-164042RT051 EVR Single Port, 42" Dia 61USK-44CB EVR Jack Screw Ass. For Cast Iron Base Fills 61SALP-1020-EVR Fuel Swivel Adapter Low Profile, Bronze 634TT-7085-EVR 4" Fill Cap 23-0033 2" vent Cap VPM4x7 4" Nipple 7" Long for Fill FSA-400-S Short EVR Face Seal Adapter MPWS-33 Sump Shield for Sumps Lids Up to 32.5" Dia. C05223M Shroud Boot Cap To Isolate One FRP Cover Point
	10	2	71SO-400C	OPW 4" Overfill Valve 2 Point 60" Upper 83" Lower Not Testable
	11	2	71SO-410C	OPW EVR 4" Overfill Valve 2 Point 120" Upper 102" Lower Not Testable
	12	4	233-4420	OPW 44x2 Extractor Valve W/O Coge
	13	4	FL1000GRAV-SK12	Fibrelite 40' Fiber Reinforced Composite Manhole Groy- Includes Frame & Skirt
	14	4	104A-1800WT	OPW 18" ID x 19' Deep WT Manhole
	15	1	FL7A	Fibrelite Stainless Steel Lifting Handle
	16	1	B50-D-222/EO-EBS	Bravo DW Vapor Vent 3 Product FRP Containment Box for 3" Over 2" FRP Pipe, Area.
	17	1	B60-D-200	Bravo DW VPH FRP Vent/Transition Sump with 1, 2" AST Fittings
	18	2	RS-501	Bravo Vent Rock System Assembly for 2 or 3 Vent Risers
	19	5	AGR150SIRAZ 0410141-089	Red Jacket 1.5 HP SIP Fixed Speed Variable Length Sub Pump – riser, Red Armour Corrosive Environments, EIO
	20	1	41053-002	Red Jacket Siphon Check Valve Kit, High Pressure
	21	1	880-041-5	Red Jacket Control Box w/Relay
	22	4	880-047-1	Red Jacket Isolation Control Box With Relay (Includes Isolation and Relays. Use One Per Submersible) For up to 8 Dispensers
	23	4	FSQM220150-SS	Hosemaster Freshfield 1.5" Male NPT x 22" Long x Quick Flange, Stainless.(oil fuels)
	24	5	FSQM160200-SS	Hosemaster Freshfield 2" Male NPT x 16" Long x Quick Flange, Stainless (oil fuels)
	25	3	FSQM160300-SS	Hosemaster Freshfield 3" Male NPT x 16" Long x Quick Flange, Stainless (oil fuels)
	26	9	ACOCSEALO200	Hosemaster Gasket for 1.5" & 2"
	27	3	ACOCSEALO300	Hosemaster Gasket 3"
	28	9	ACOCCLAMP	Hosemaster Clamp for 1.5" & 2"
	29	3	ACOCCLAMP-3	Hosemaster Clamp 3"
	30	9	ACOCM0200	Hosemaster Quick Flange x 2" Male NPT Adapter, Stainless Steel, (oil fuels)
	31	3	ACOCM0300	Hosemaster Quick Flange x 3" Male NPT Adapter, Stainless Steel, (oil fuels)
	32	5	691BSS-0600 1V	Morrison SS 2" Locking Ball Valve Full Port E86 Bio
	33	15	F-32S-1-F	Bravo 1 Pack of FRP hot-wall Full Body fitting w/ 3 x 2" FRP pipe, Use 260 EP10
	34	30	EP-100	Bravo Epoxy Kit (6oz Epoxy 1oz Catalyst) yellow colorant, includes: two pots nitrile gloves
	35	18	F-07RS-0-DF	Bravo 3/4" FRP Rigid DW Electrical Sealant, 100% Solvent Free, AB2481 Use With Roproy 3/4" Conduit, Sodium Chloride Brine and Propylene Glycol
DISPENSER HARDWARE	36	6	VSTAP-EVR-048	VST 4" Platinum Coaxial EVR Whip
	37	6	VDP-EVR-096	VST 8" Platinum Coaxial EVR Hose
	38	6	VST-EVR-MBK-2	VST Coaxial EVR 02 Balance Nozzle
	39	6	3360VR	Husky Coaxial Hose Breakaway
	40	6	610XB-0100 ARPB	Morrison Hose Retriever for 3/4" x 12'-14" hose W/2" Alum Post and Base
3/4" STANDARD GAS AND DIESEL HANGING HARDWARE	41	2	V34GPG-060-MRWS	VST 3/4" x 60" M X M Swivel Green CP Whip
	42	2	V34GPG-102-MRWS	VST 3/4" x 86" M X M Swivel Green CP Whip Hose
	43	2	11B-0100	OPW Diesel Nozzle (Green) Pressure Activated
	44	2	8G-0100	OPW Green Spigot Guard
	45	2	241TPS-0492	OPW 3/4" E85 UL Listed Swivel
	46	2	3360	Husky 3/4" Reconnectable Hose Breakaway
	47	2	610XB-0100 ARPB	Morrison Hose Retriever for 3/4" x 12'-14" hose W/2" Alum Post and Base
DISPENSER/EQUIPS	48	1	88530XTW1 FIL	Cosboy Atlas X 8800C Series Electronic Retail Twin One Product

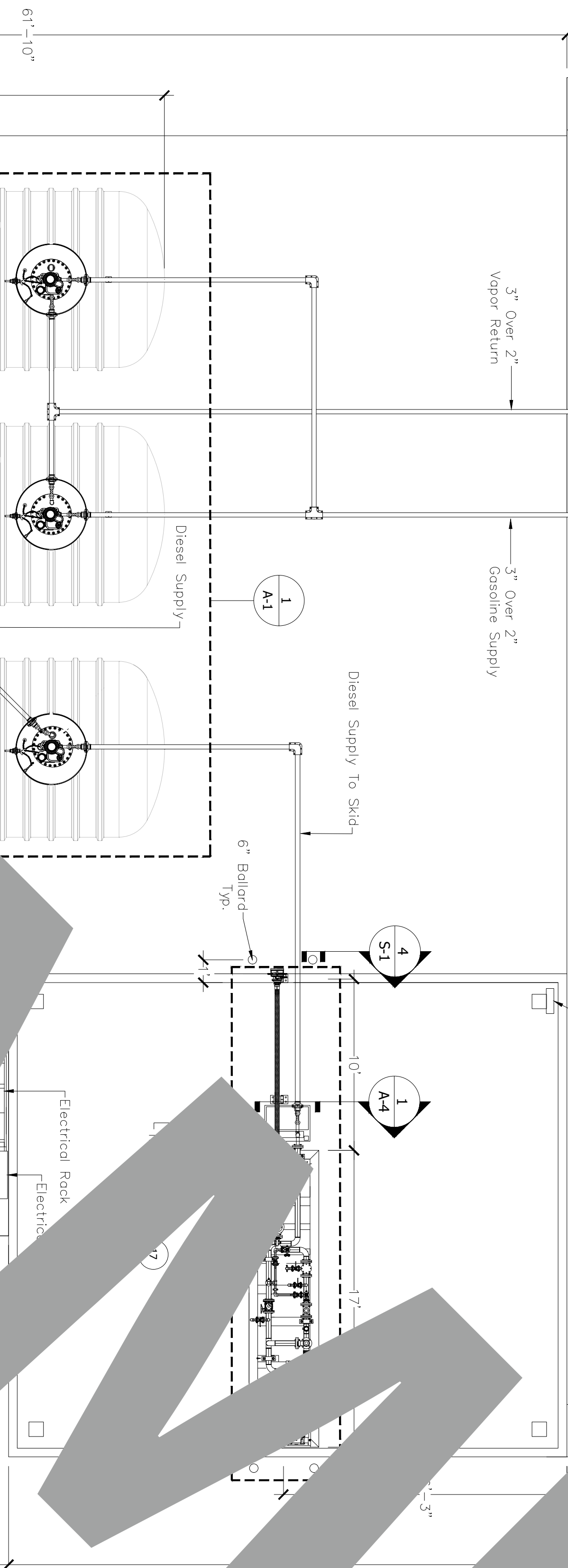
Project: _____ Date: 09/21/2025 Scale: _____	Sheet: _____ Parts List	Parts List	NBSD Building B305	Tank Specialists of California (A Division of Tank Specialties, Inc.) 27570 Commerce Center Drive, Suite 129 Temecula, CA 92590 Toll Free # (1-888) 606 TANK (8265) Fax (951) 676-0688 (License No. 745065 A, B-HAZ)
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GAS ISLAND ELEVATION DETAIL

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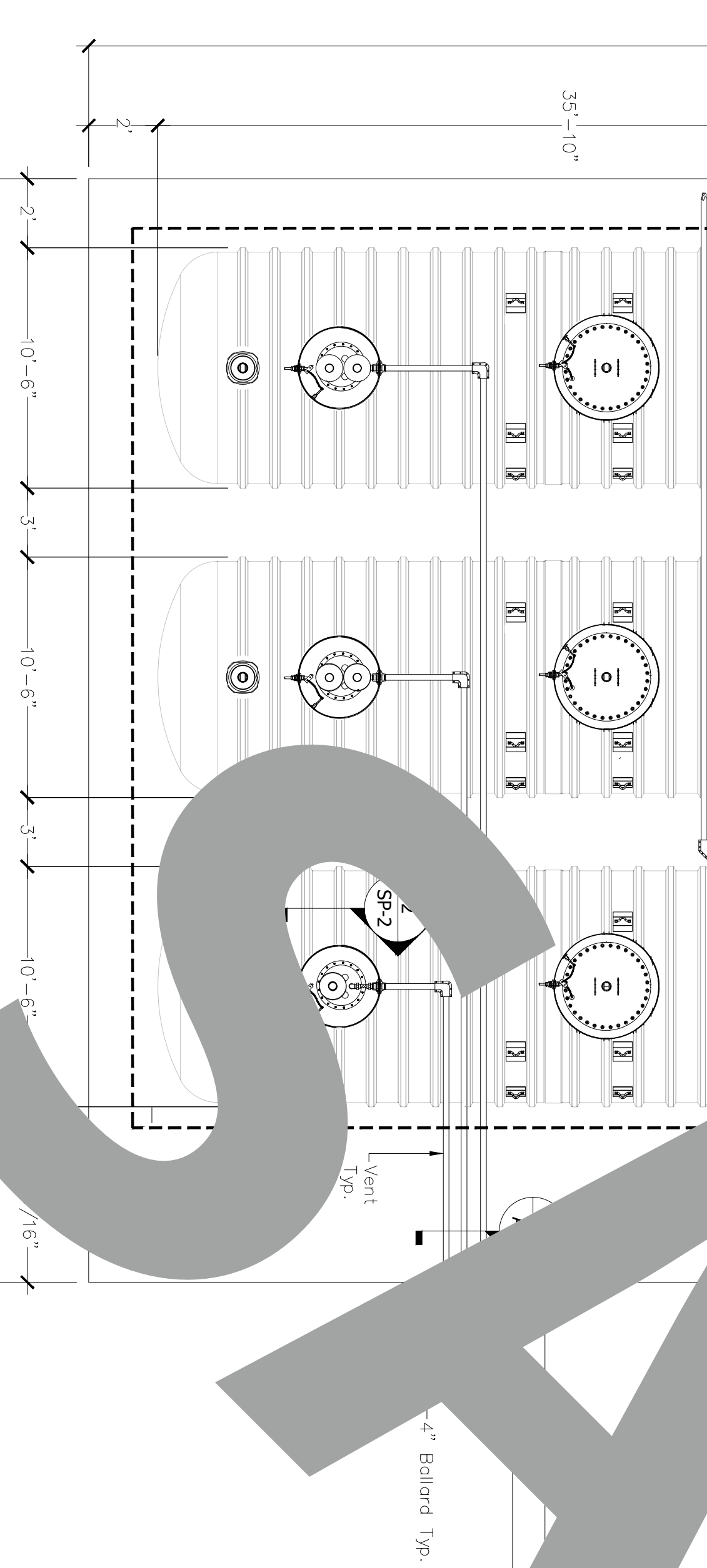
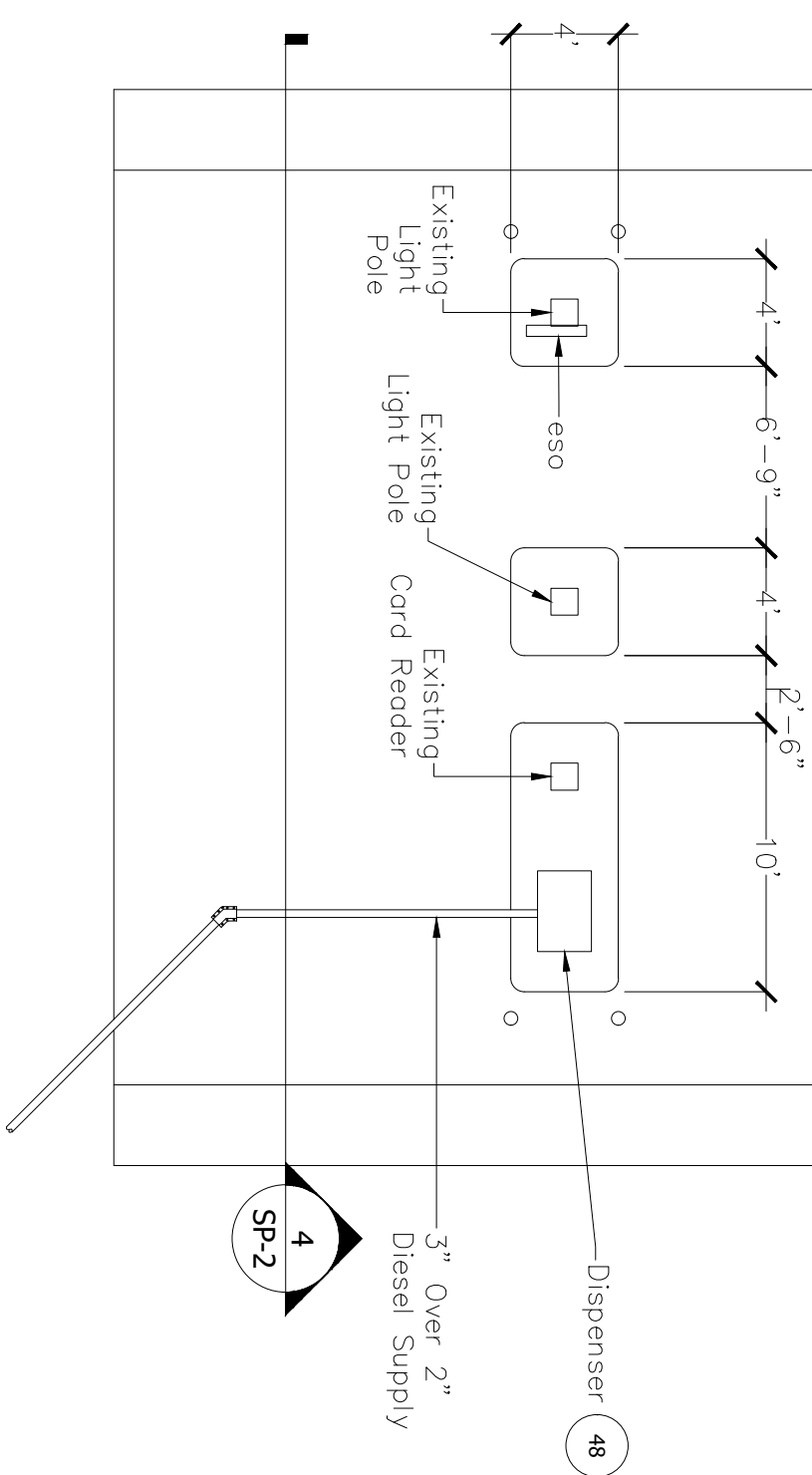
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DIESEL ISLAND PLAN VIEW DETAIL

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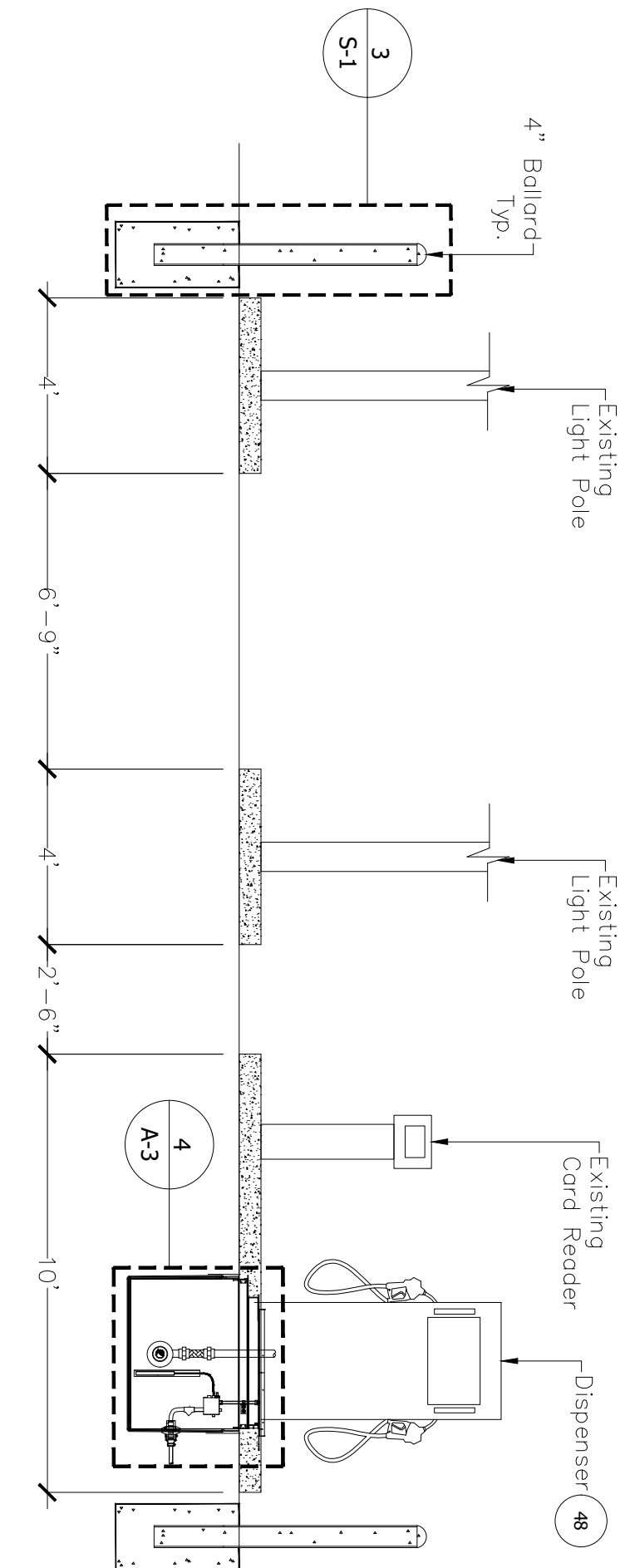
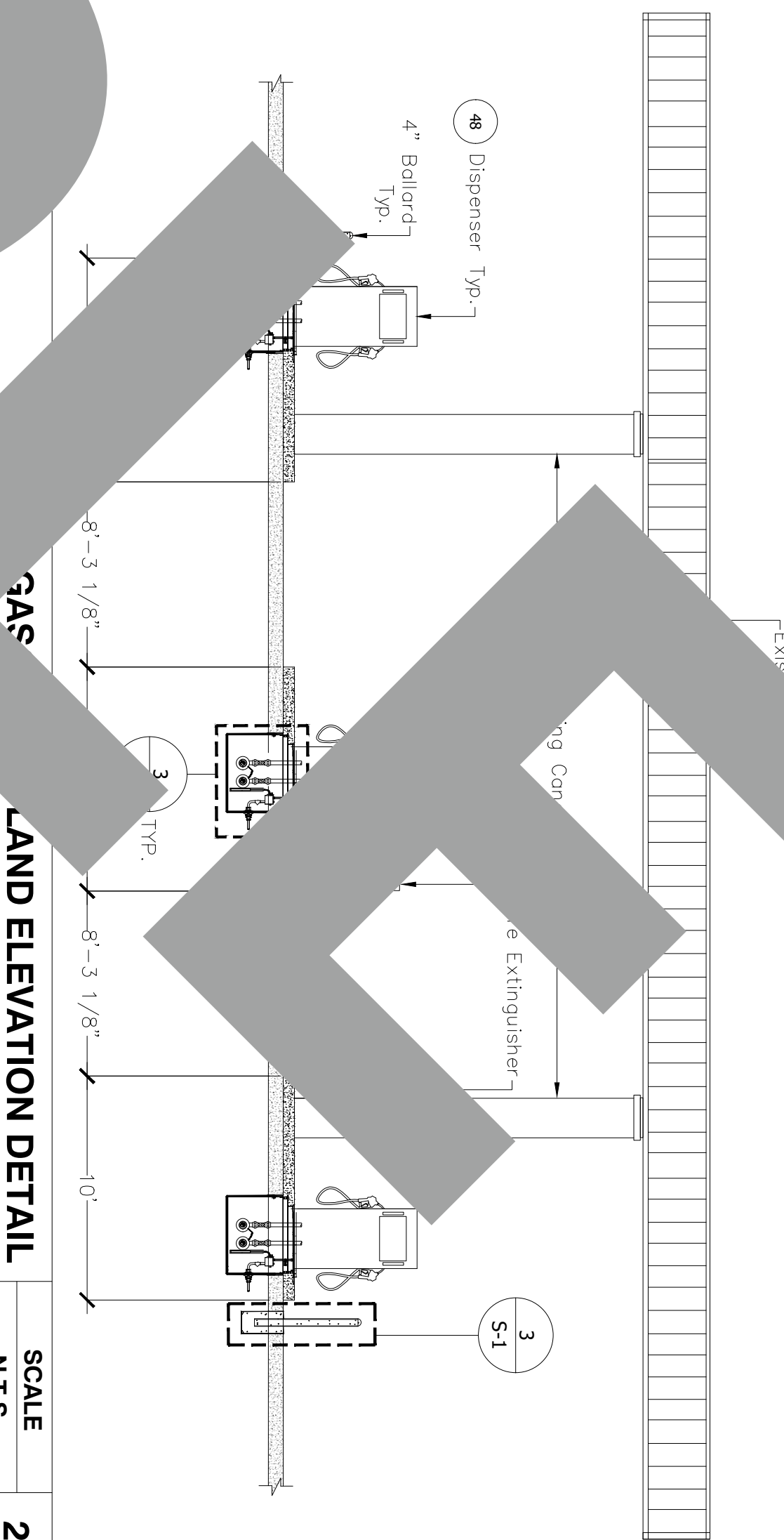
3



SITE PLAN DETAIL

SCALE
N.T.S.

1



DIESEL ISLAND ELEVATION DETAIL

SCALE
N.T.S.

4



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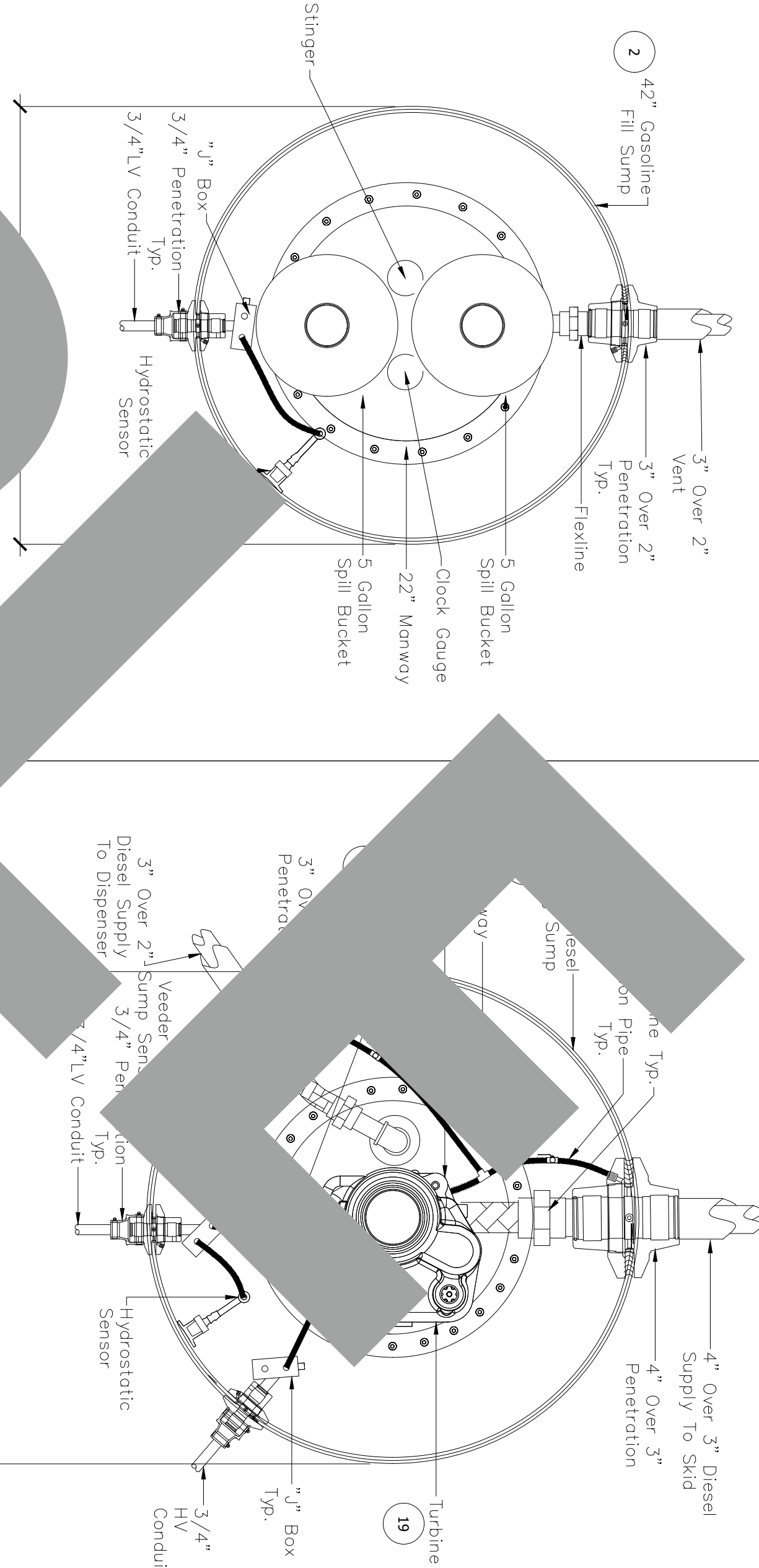
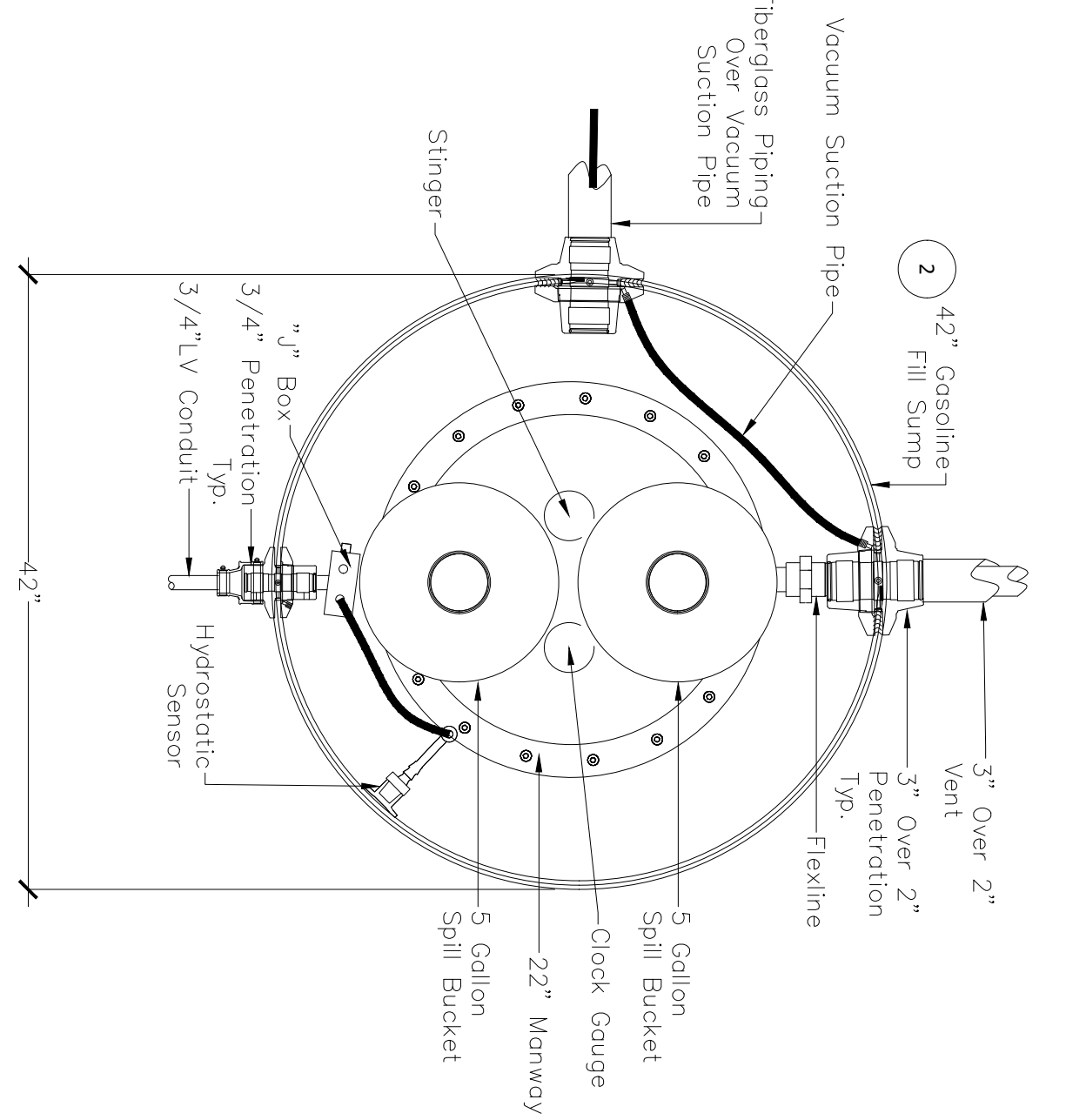
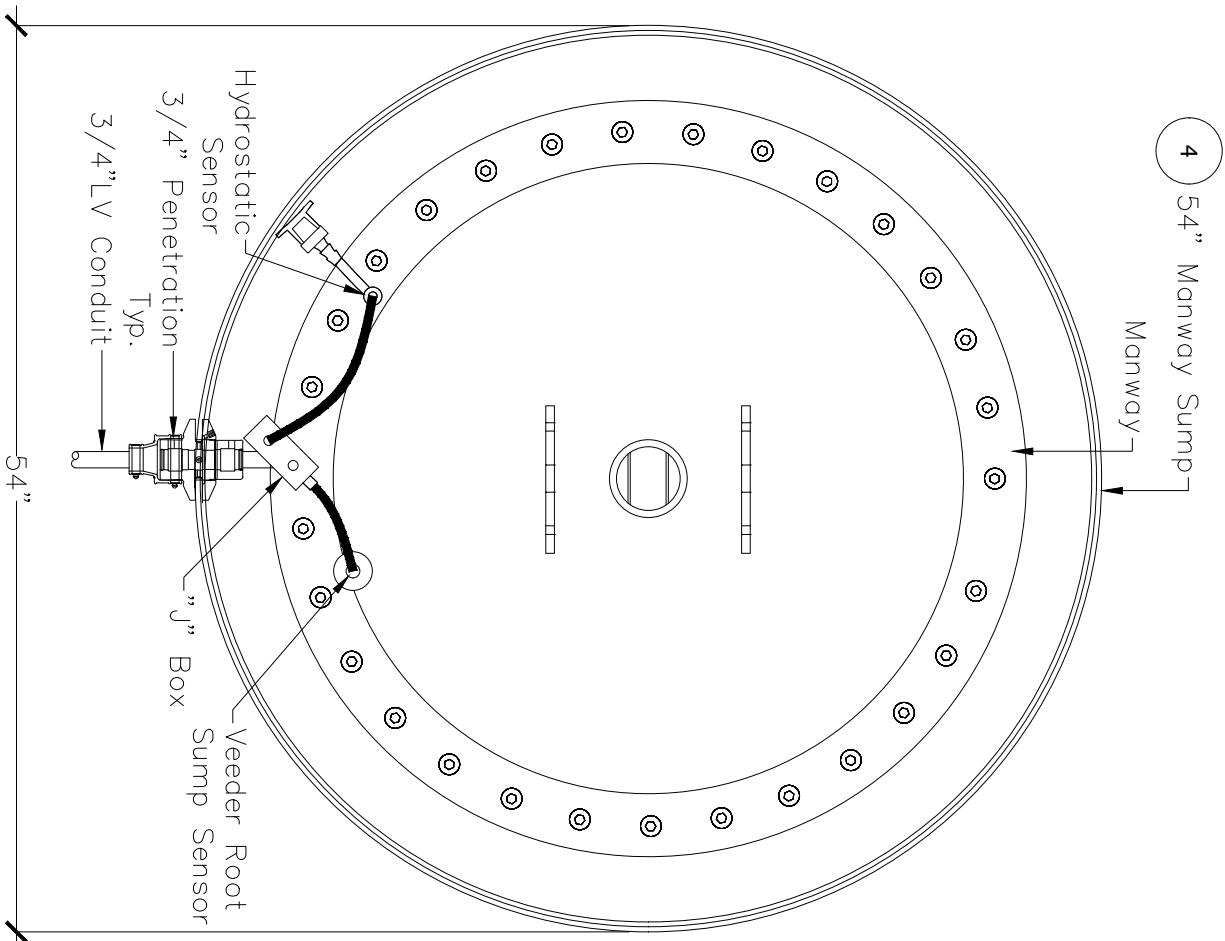
NBSD Building B305

No.	Revision/Issue	Date

SP-2

Job Plan View &
Dispenser
Elevations

Project	Sheet
Date	SP-2
Scale	AS NOTED

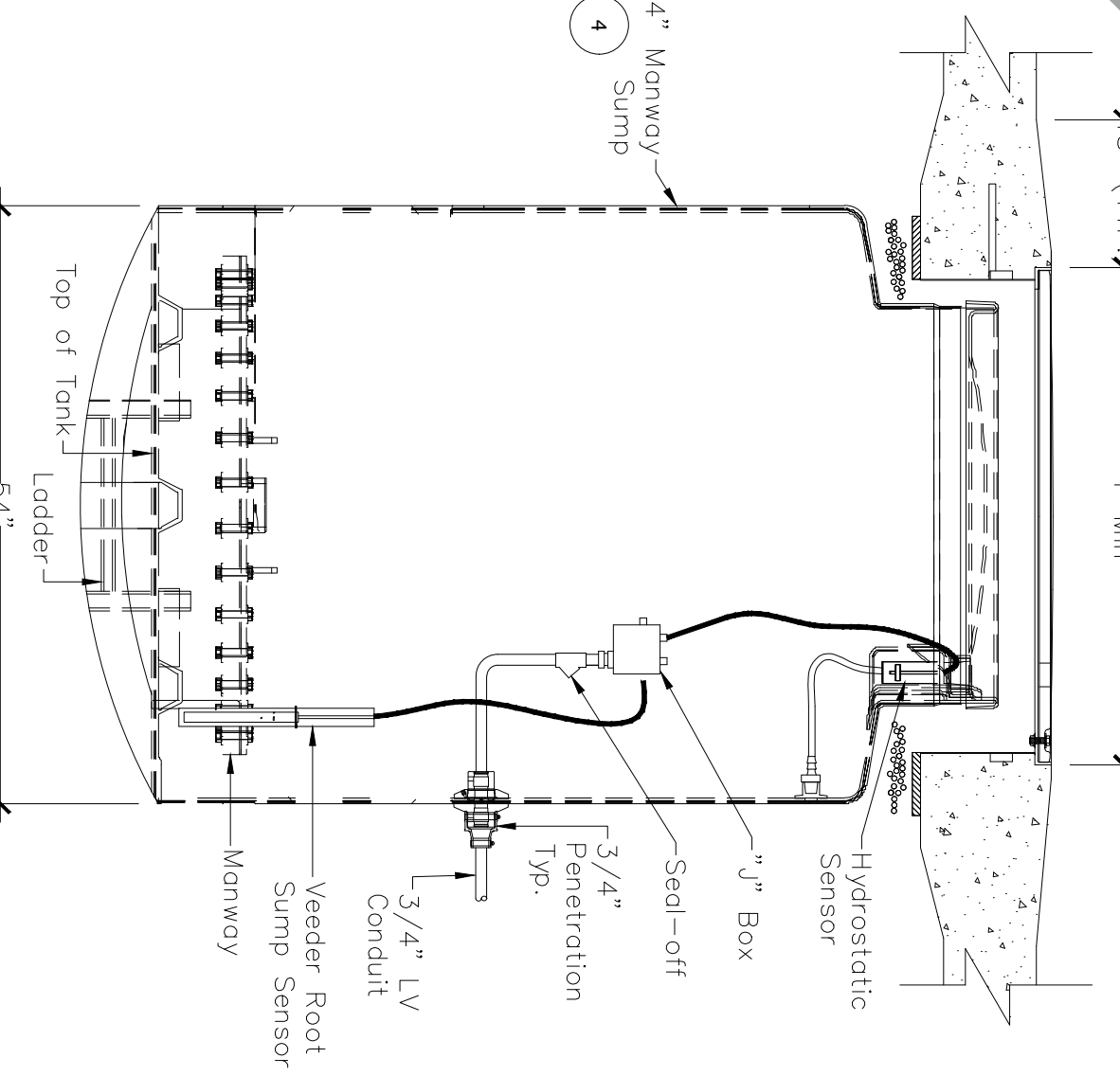
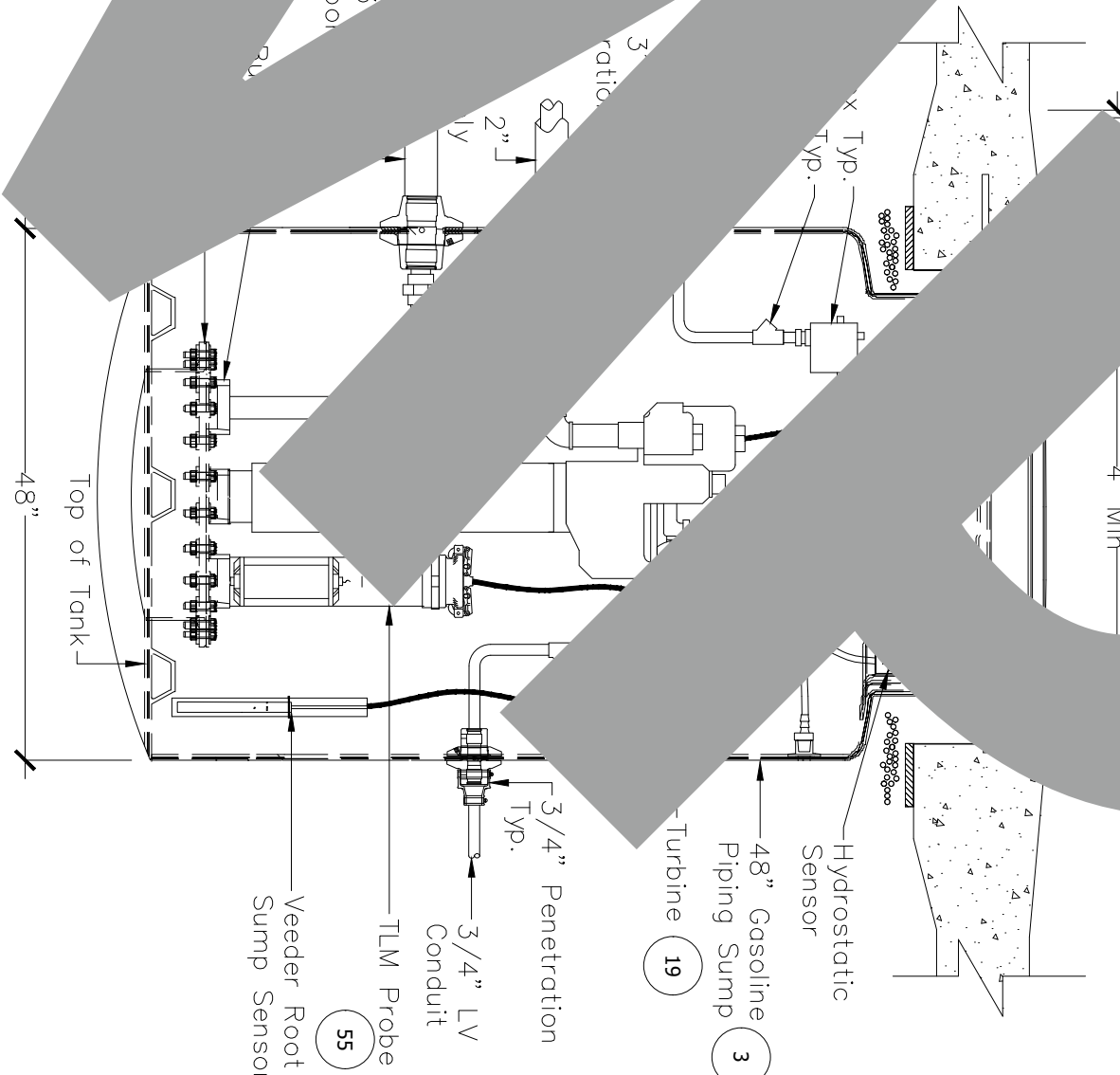
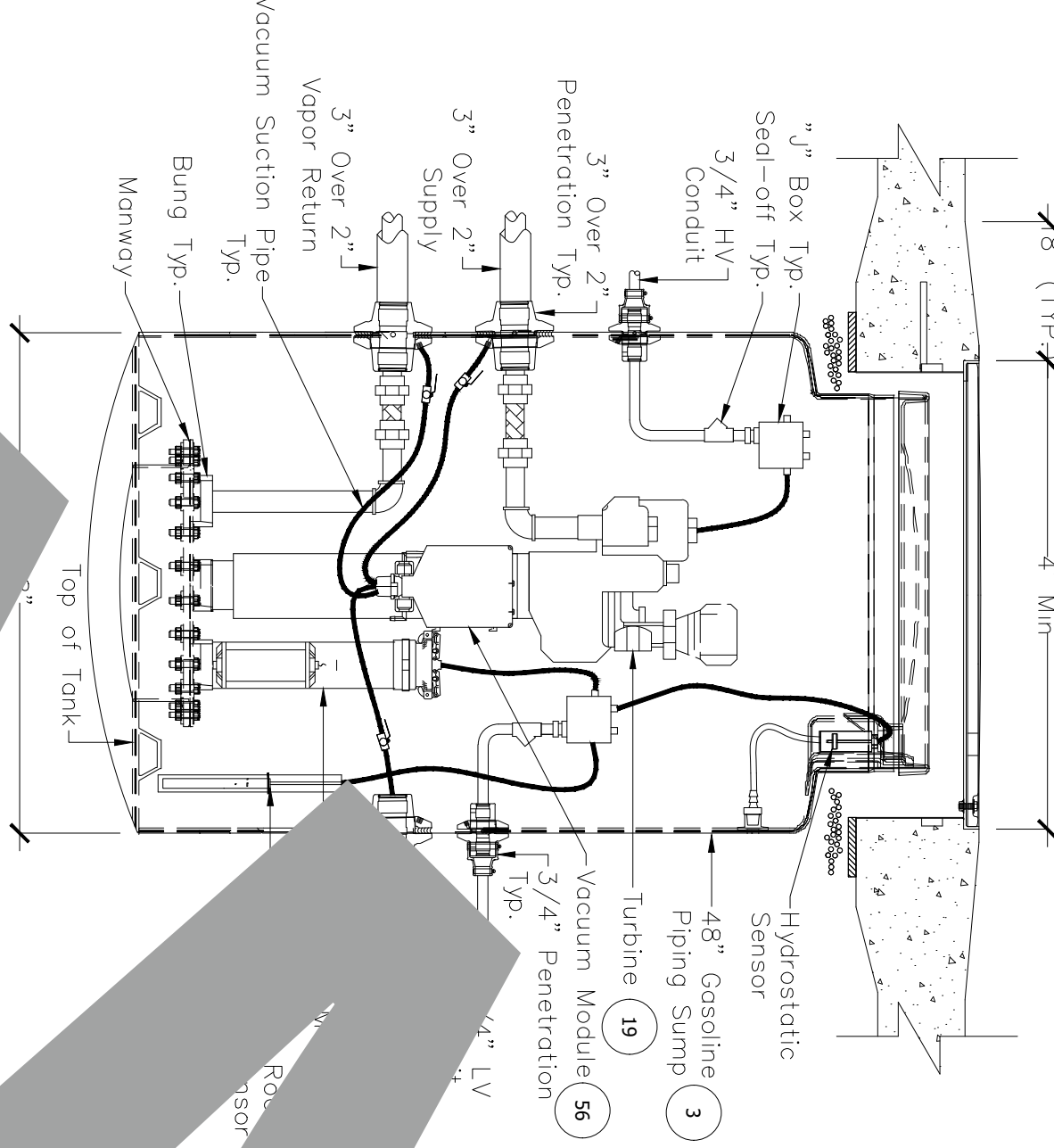
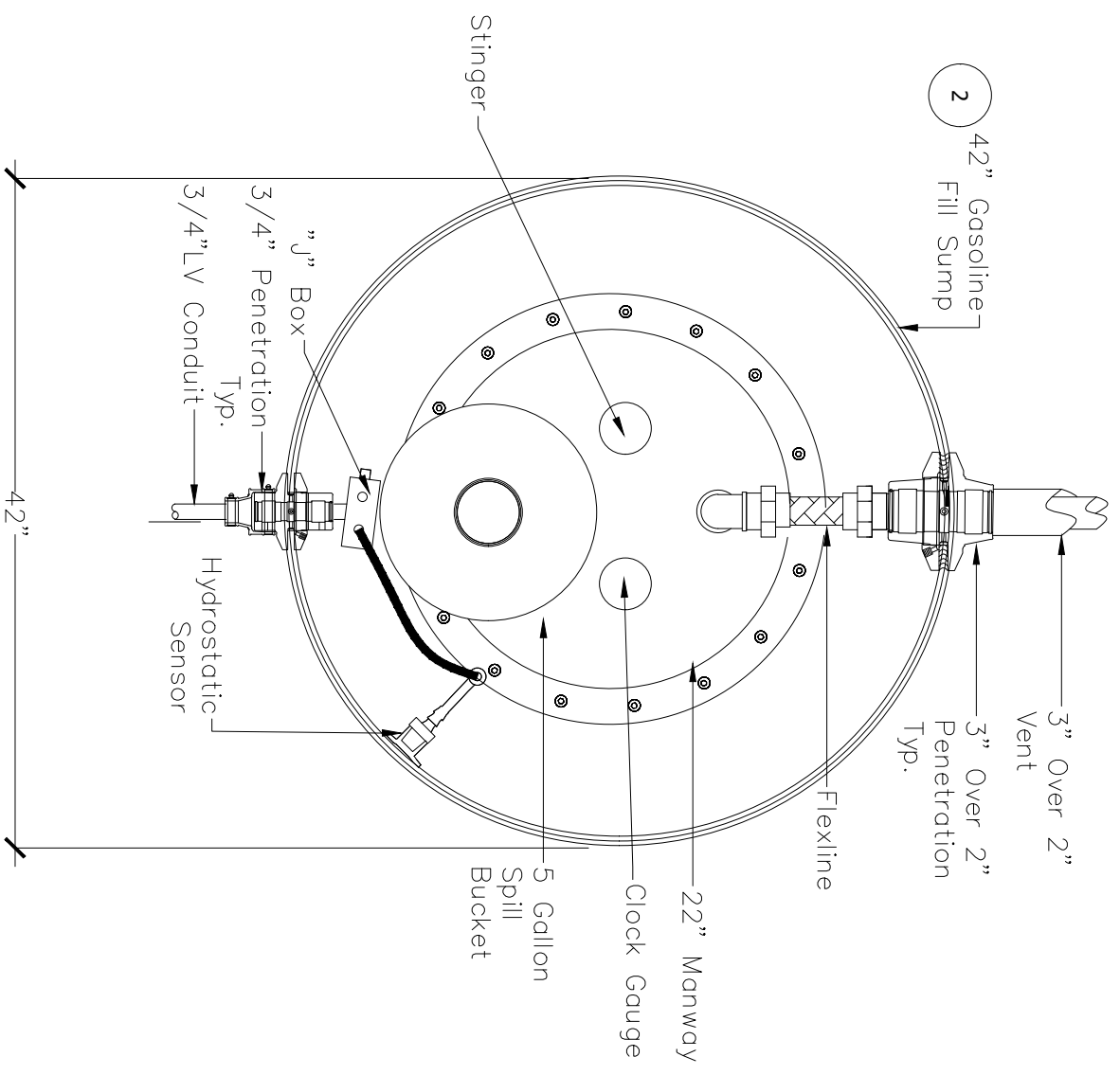


MANWAY SUMP TANKS #1,2,3

GASOLINE FILL SUMP TANK #1

GASOLINE FILL SUMP TANK #2

DIESEL PIPING SUMP TANK #3

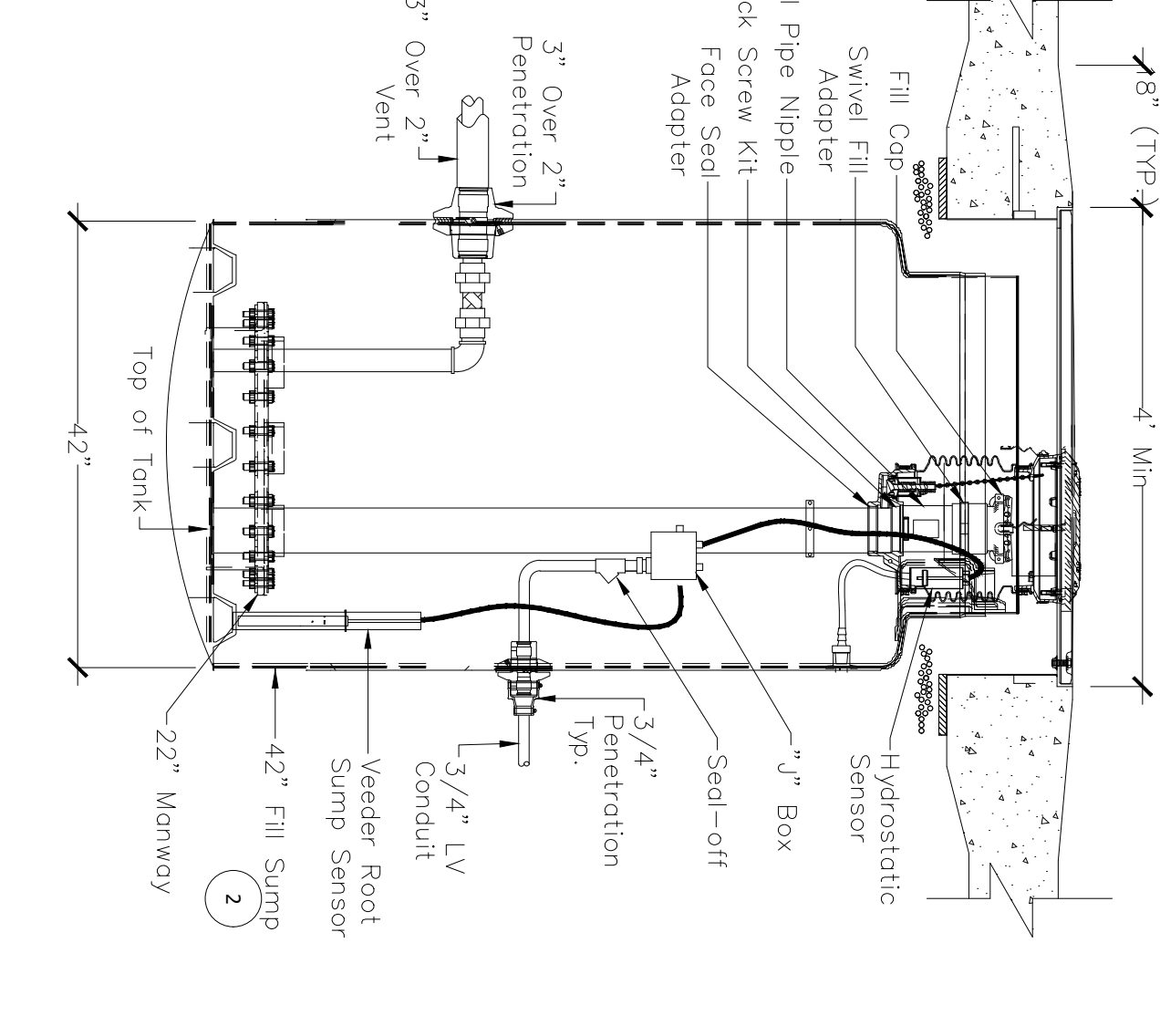
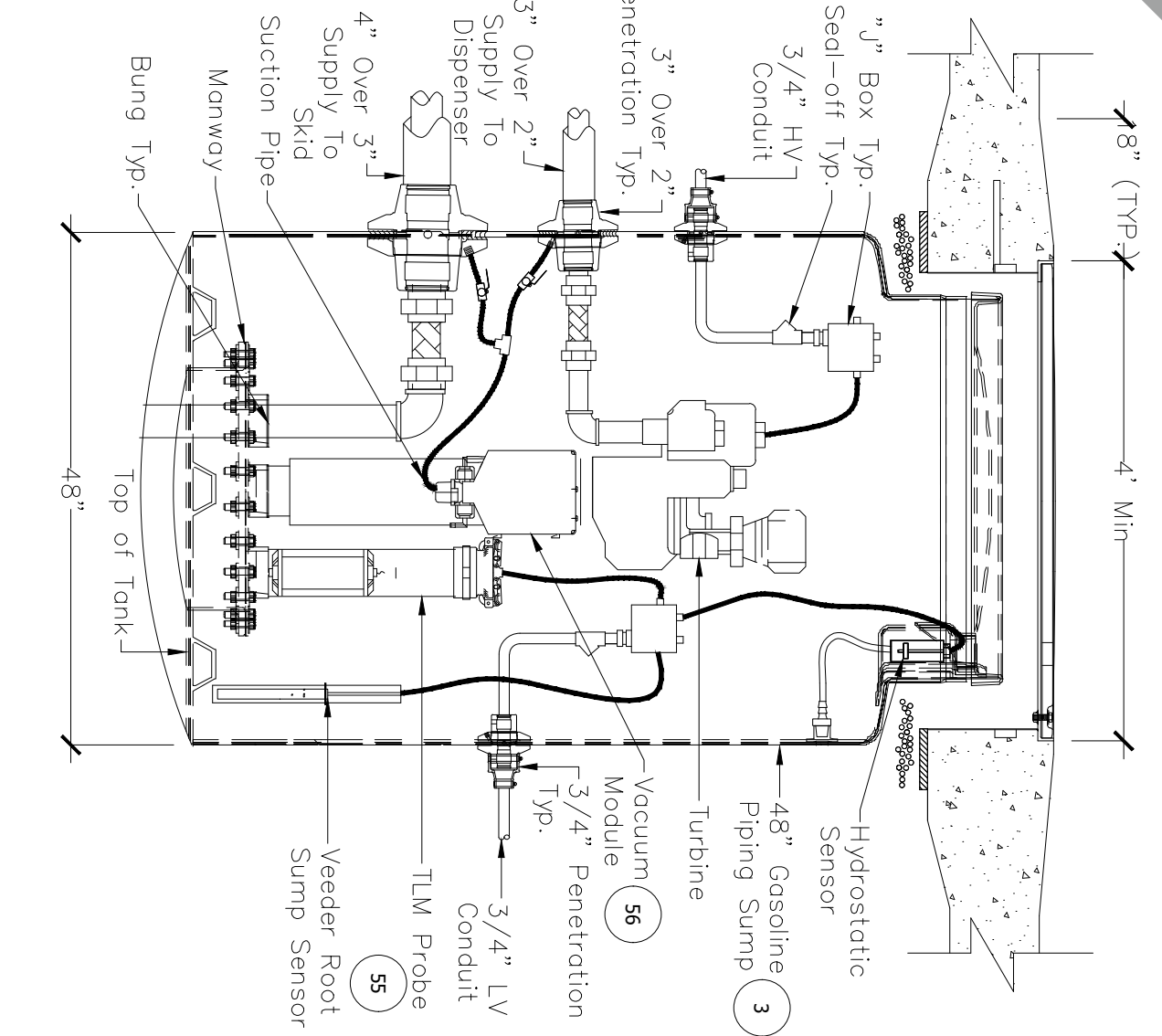
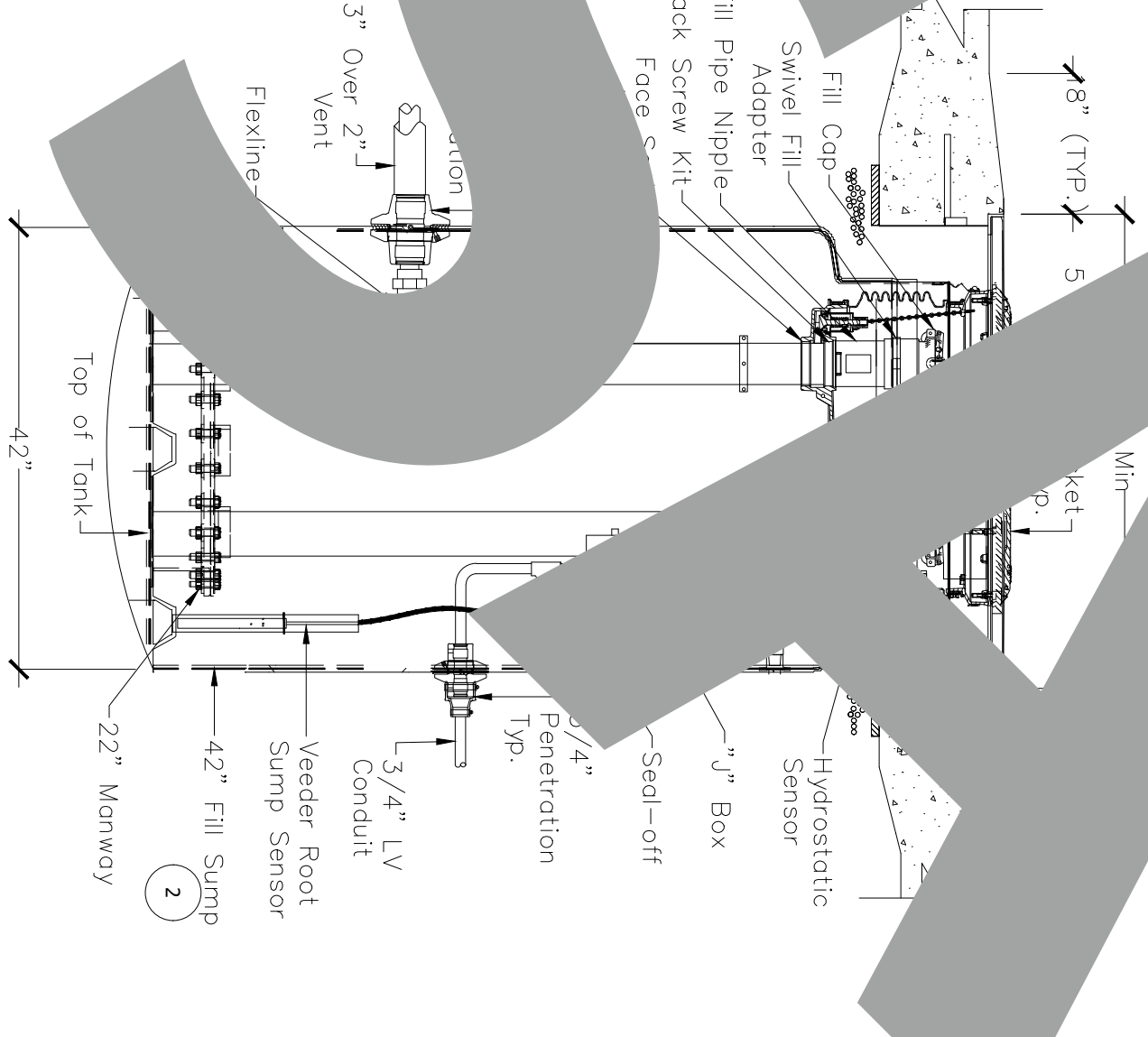
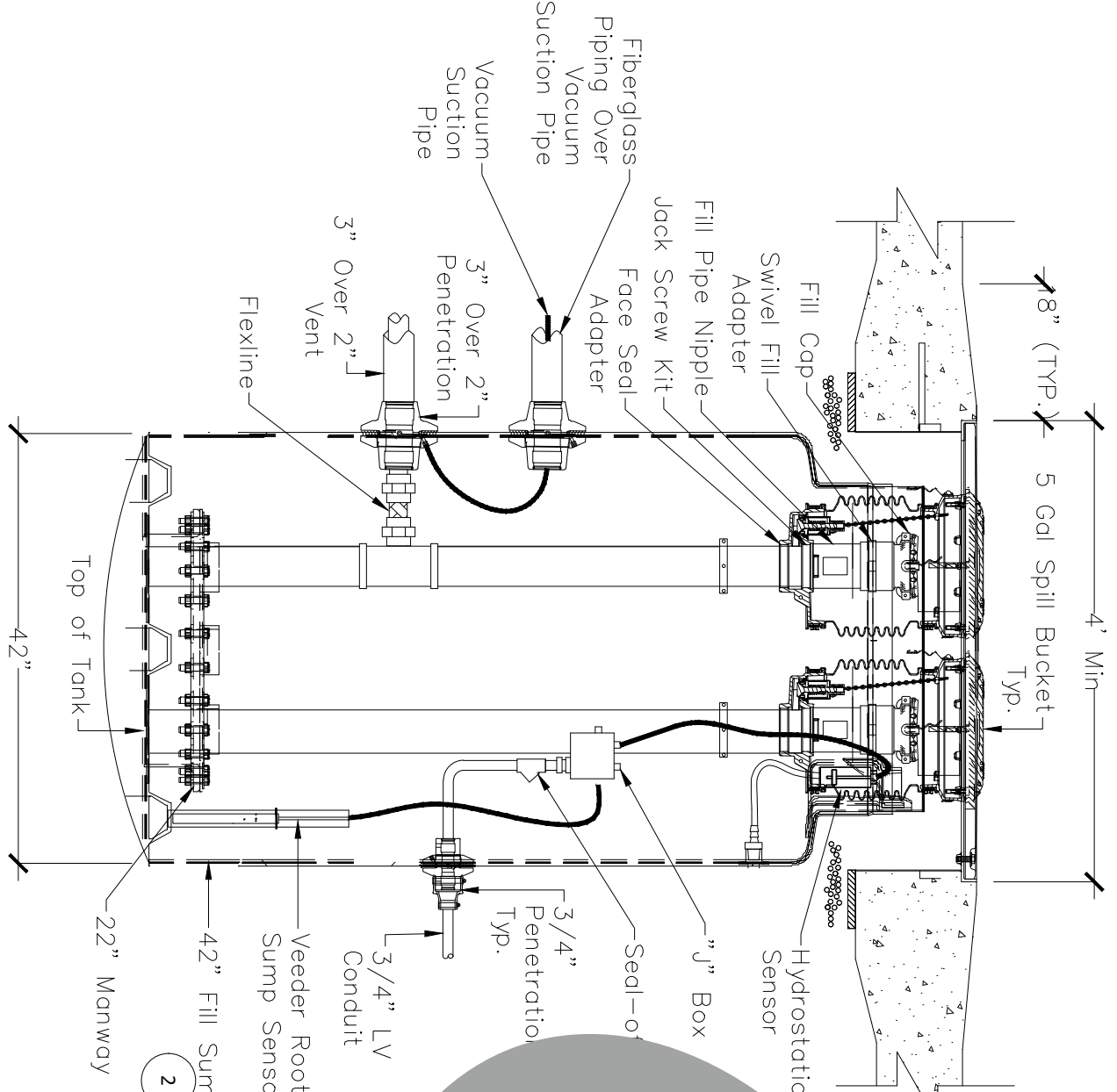


DIESEL FILL SUMP TANK #3

GASOLINE FILL SUMP TANK #2

GASOLINE PIPING SUMP TANKS #2

MANWAY SUMP TANKS #1,2,3



GASOLINE FILL SUMP TANK #1

GASOLINE FILL SUMP TANK #2

DIESEL PIPING SUMP TANK #3

DIESEL FILL SUMP TANK #3



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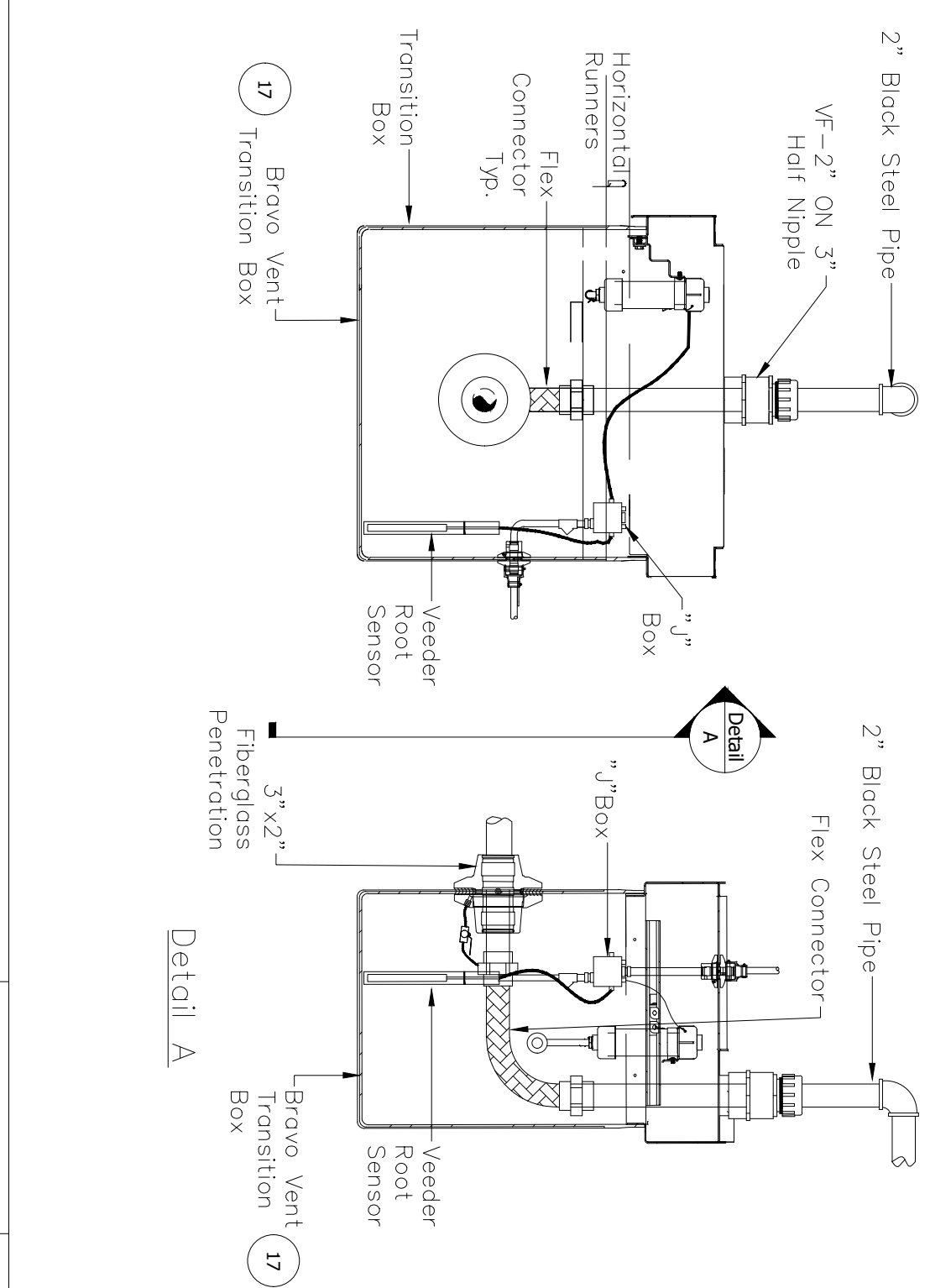
NBSD Building B305

A-2

Tank Details & Transition Boxes

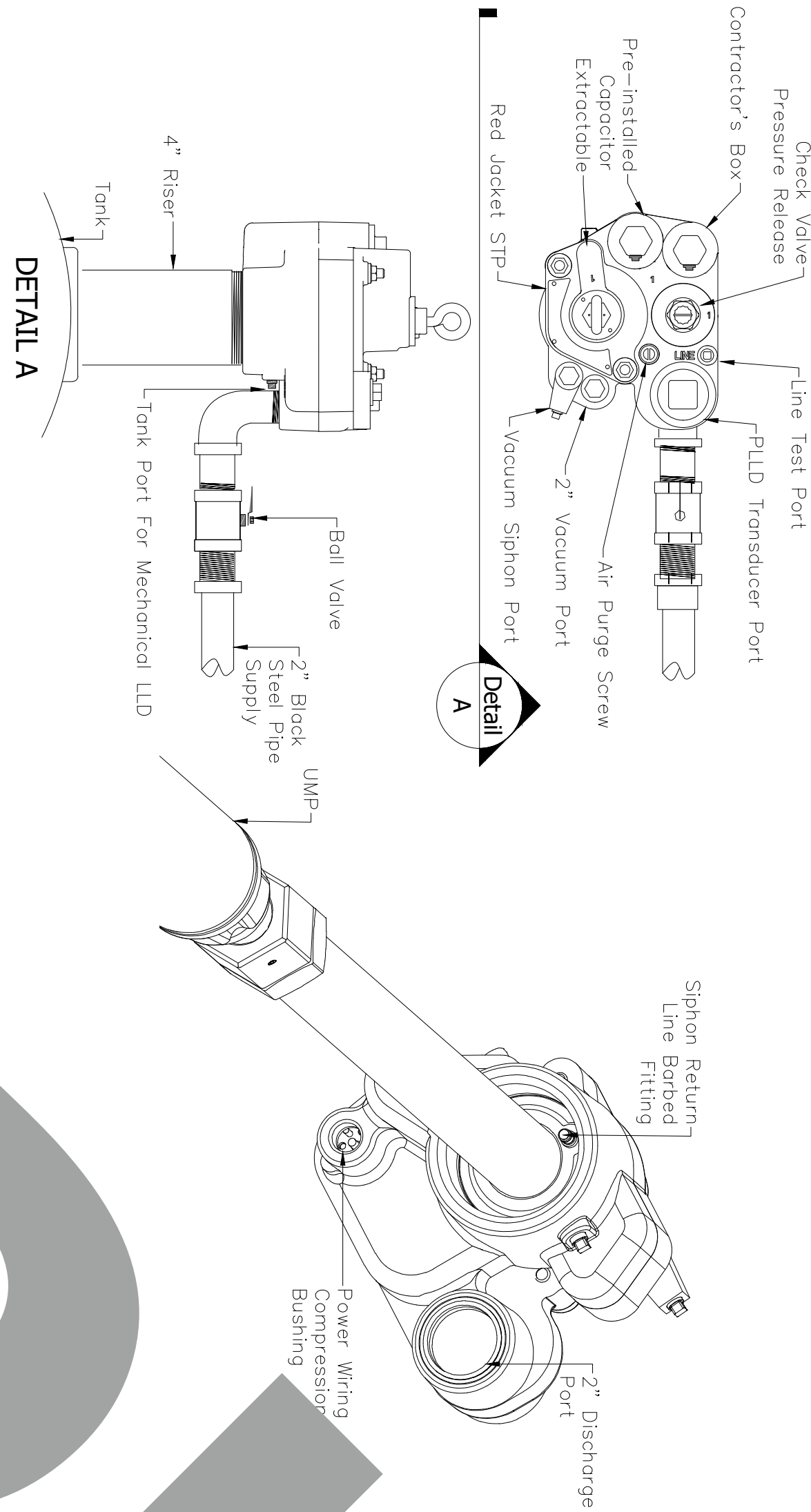
Project	Sheet
Date	A-2
Scale	AS NOTED

No.	Revision/Issue	Date



TRANSITION BOX DETAIL

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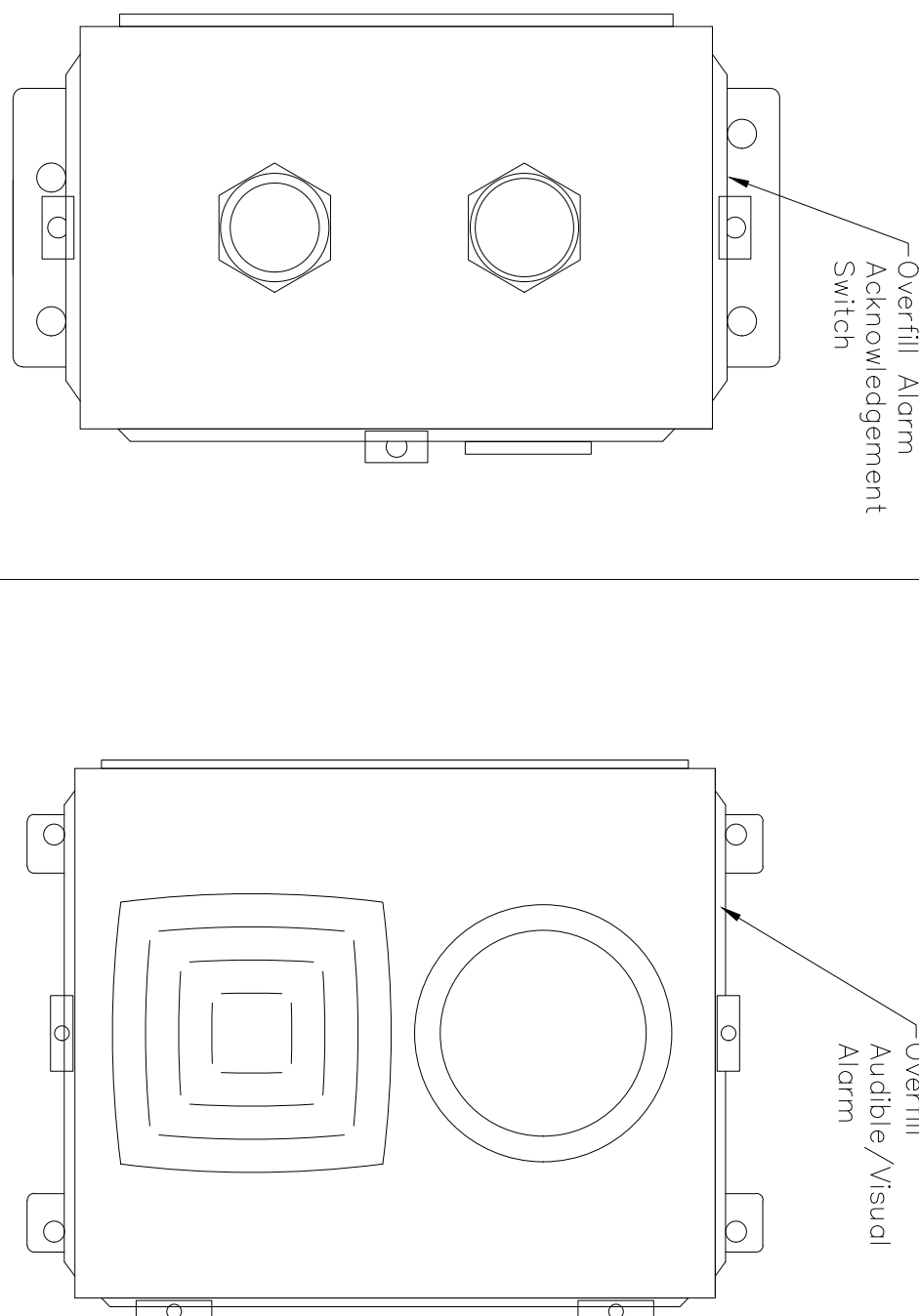
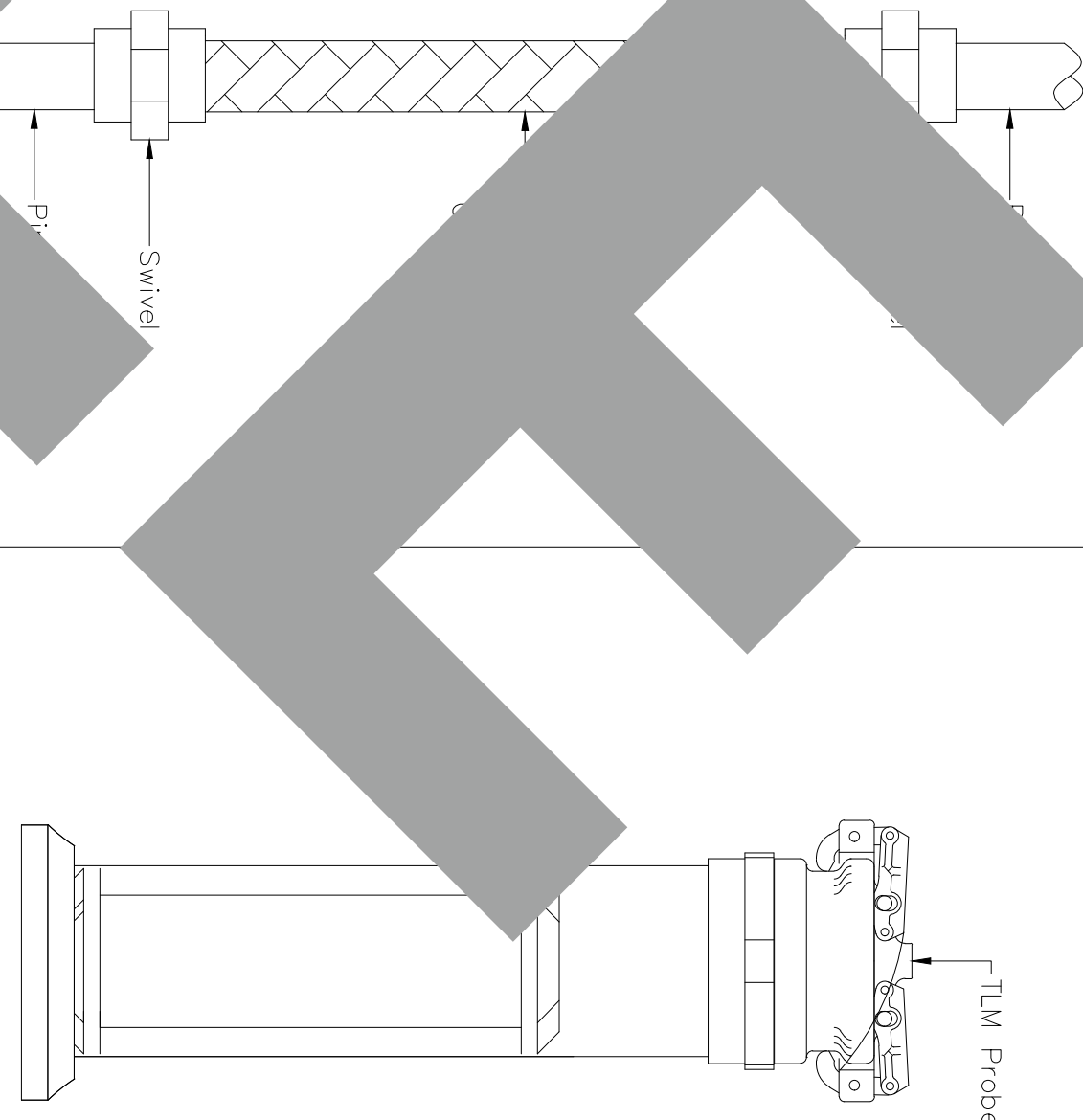
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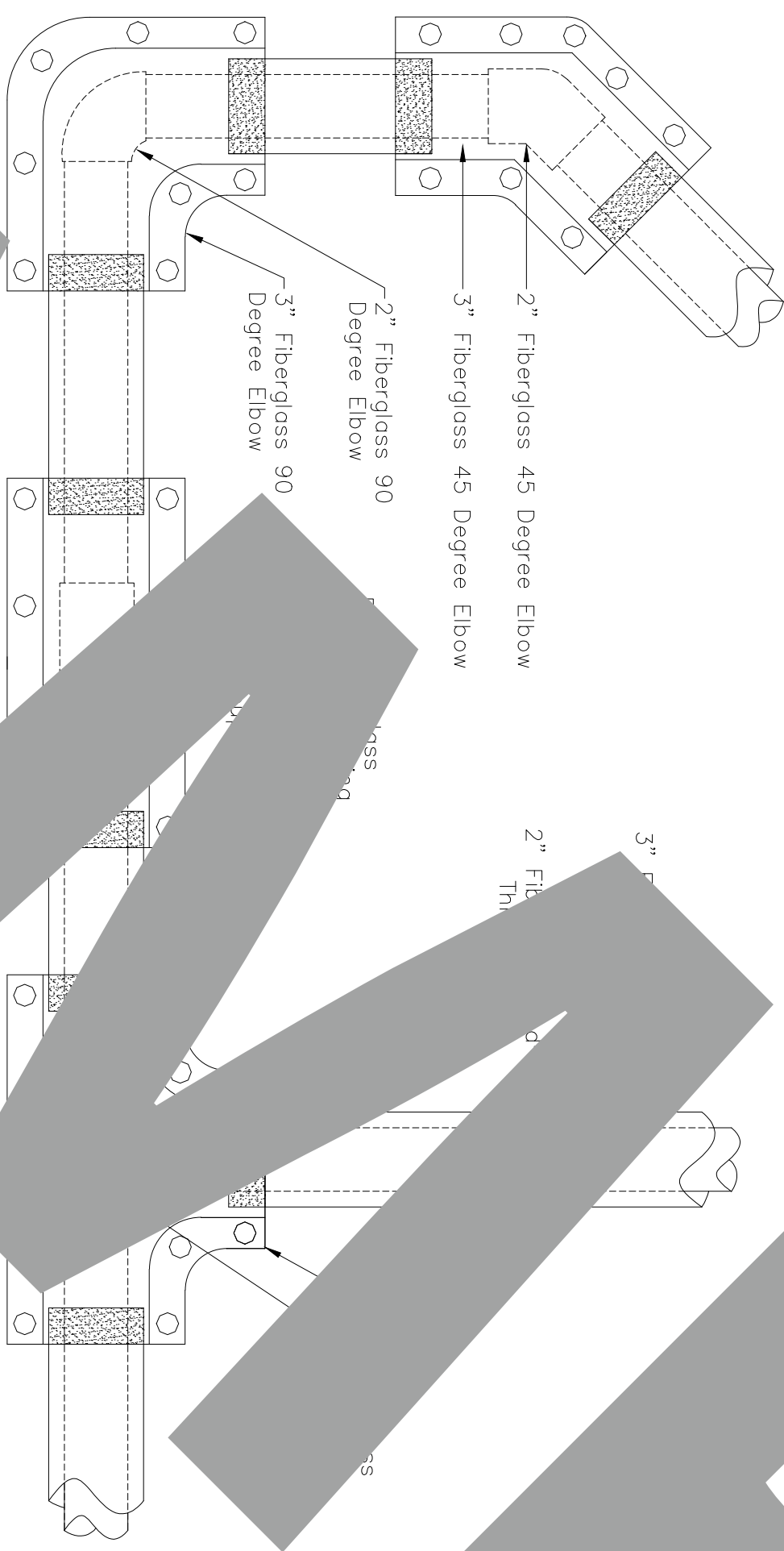
ESO

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5 OVERFILL ALARM

SCALE
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6



ING DETAIL

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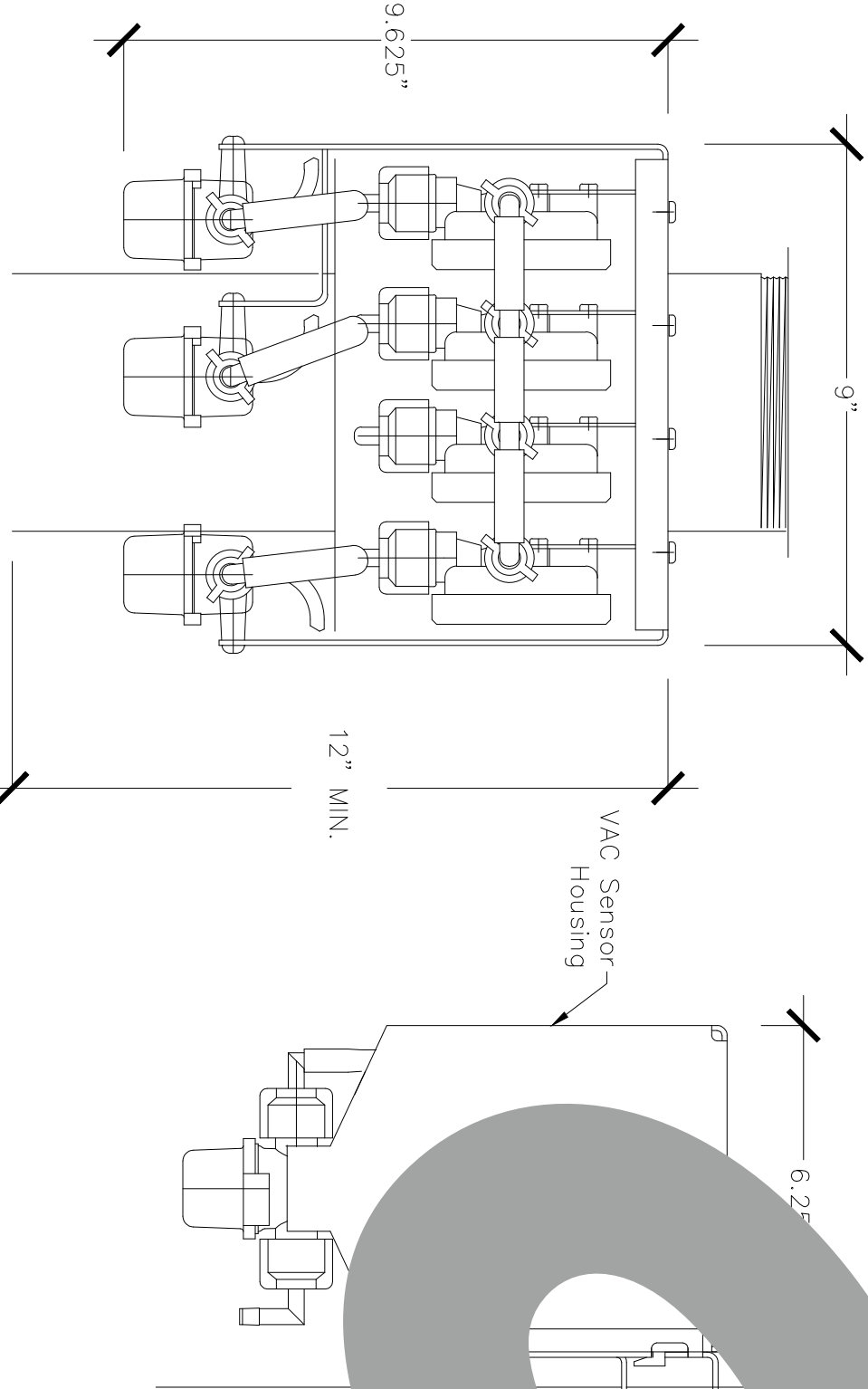
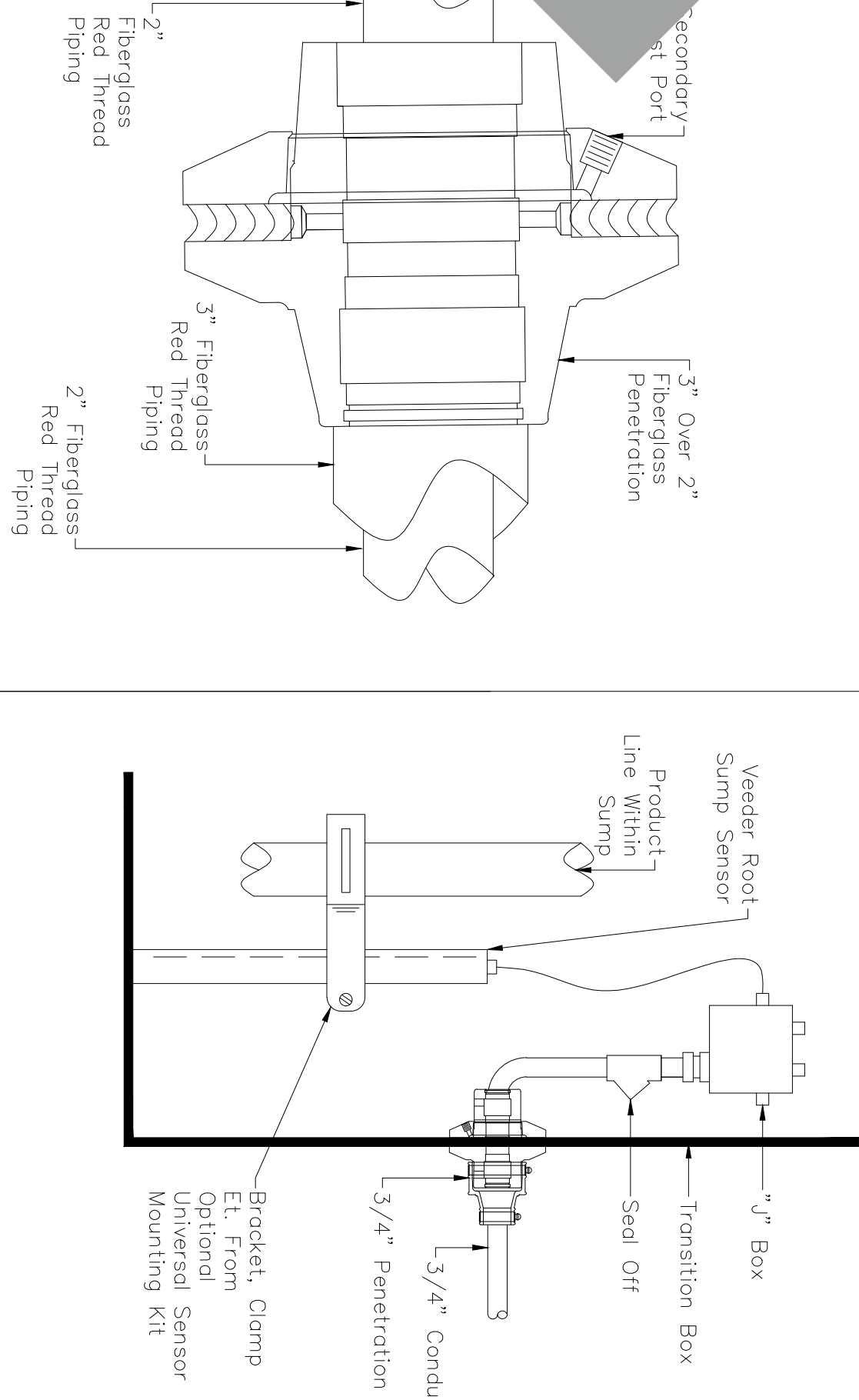
4 PENETRATION DETAIL

SCALE
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8 SUMP SENSOR DETAIL

SCALE
N.T.S.

9



VACUUM SENSOR DETAIL

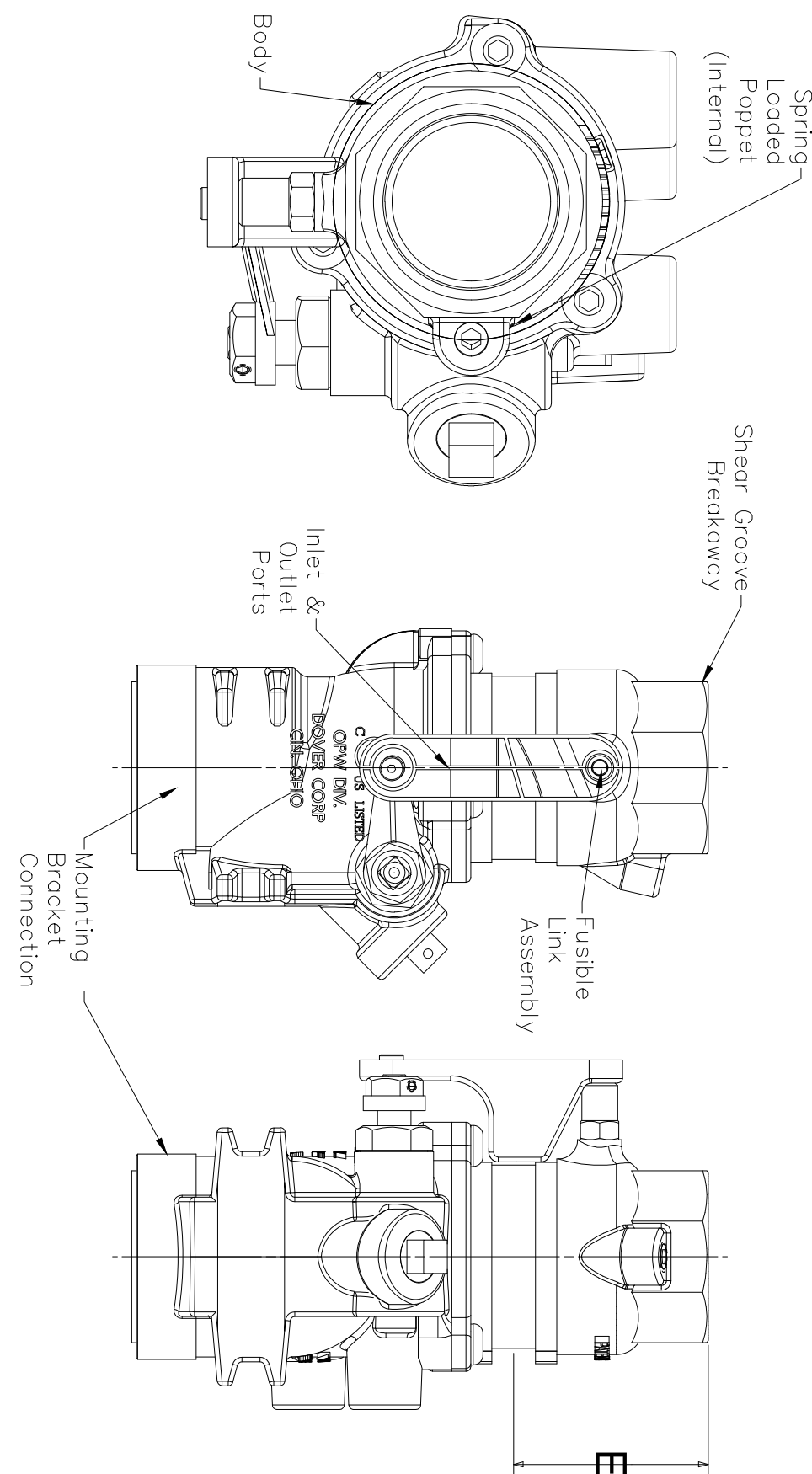
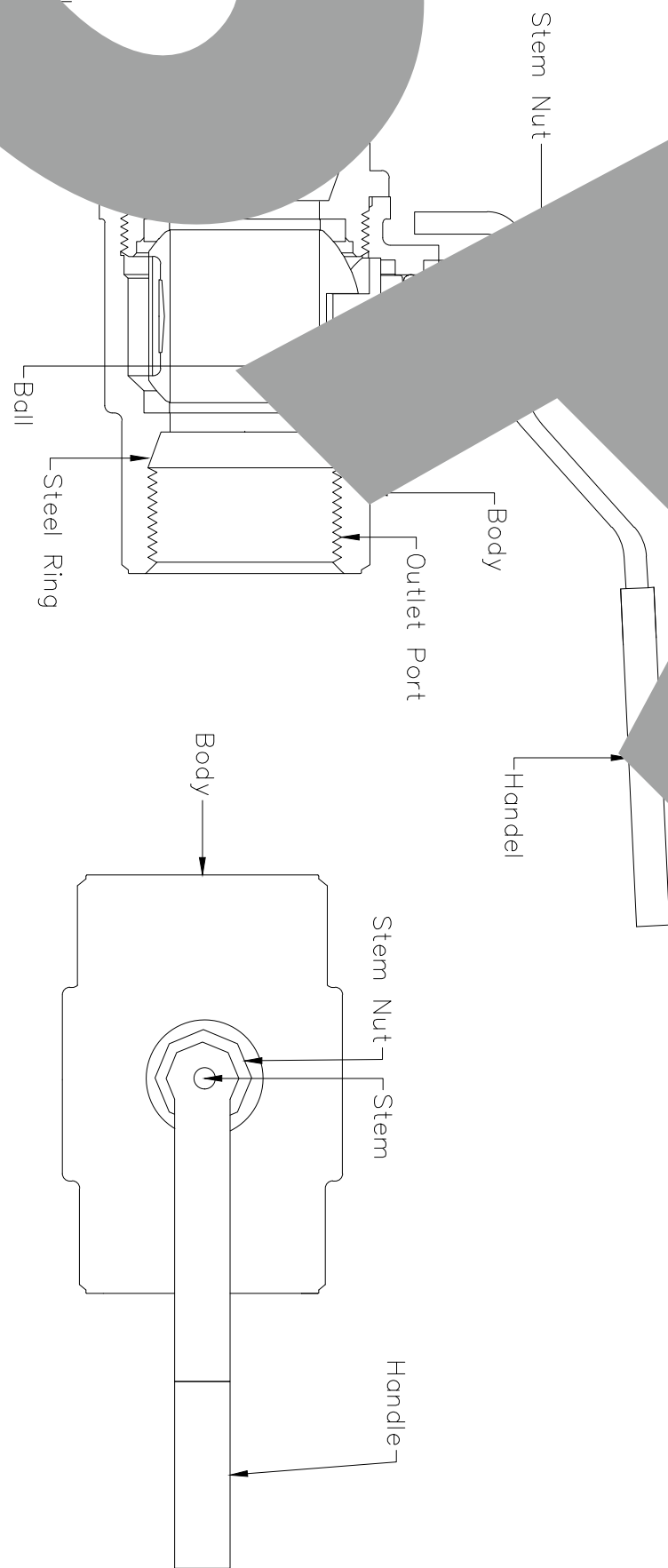
SCALE
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10

BALL VALVE DETAIL

SCALE
N.T.S.

11



SHEAR VALVE DETAIL

SCALE
N.T.S.

12



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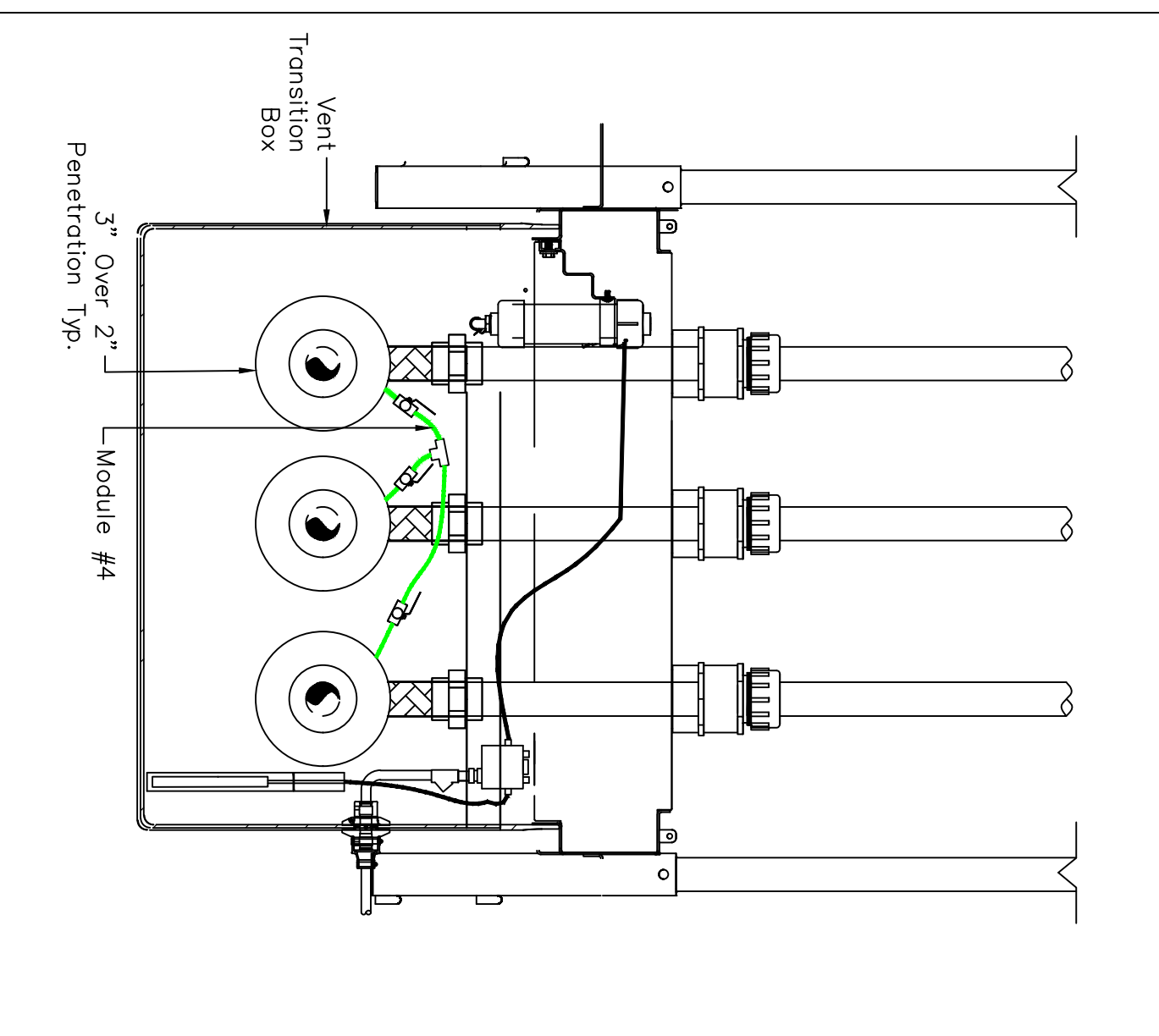
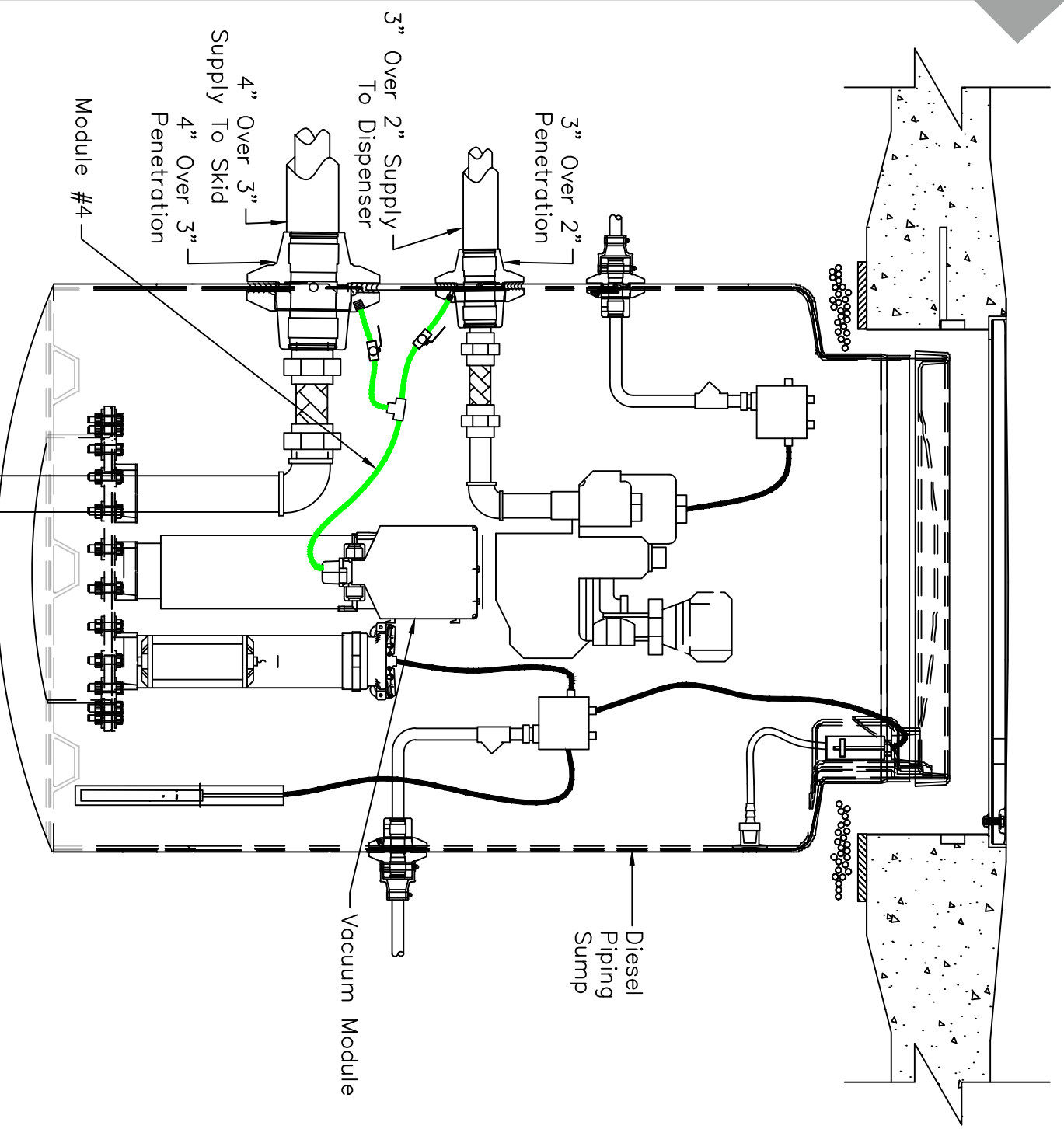
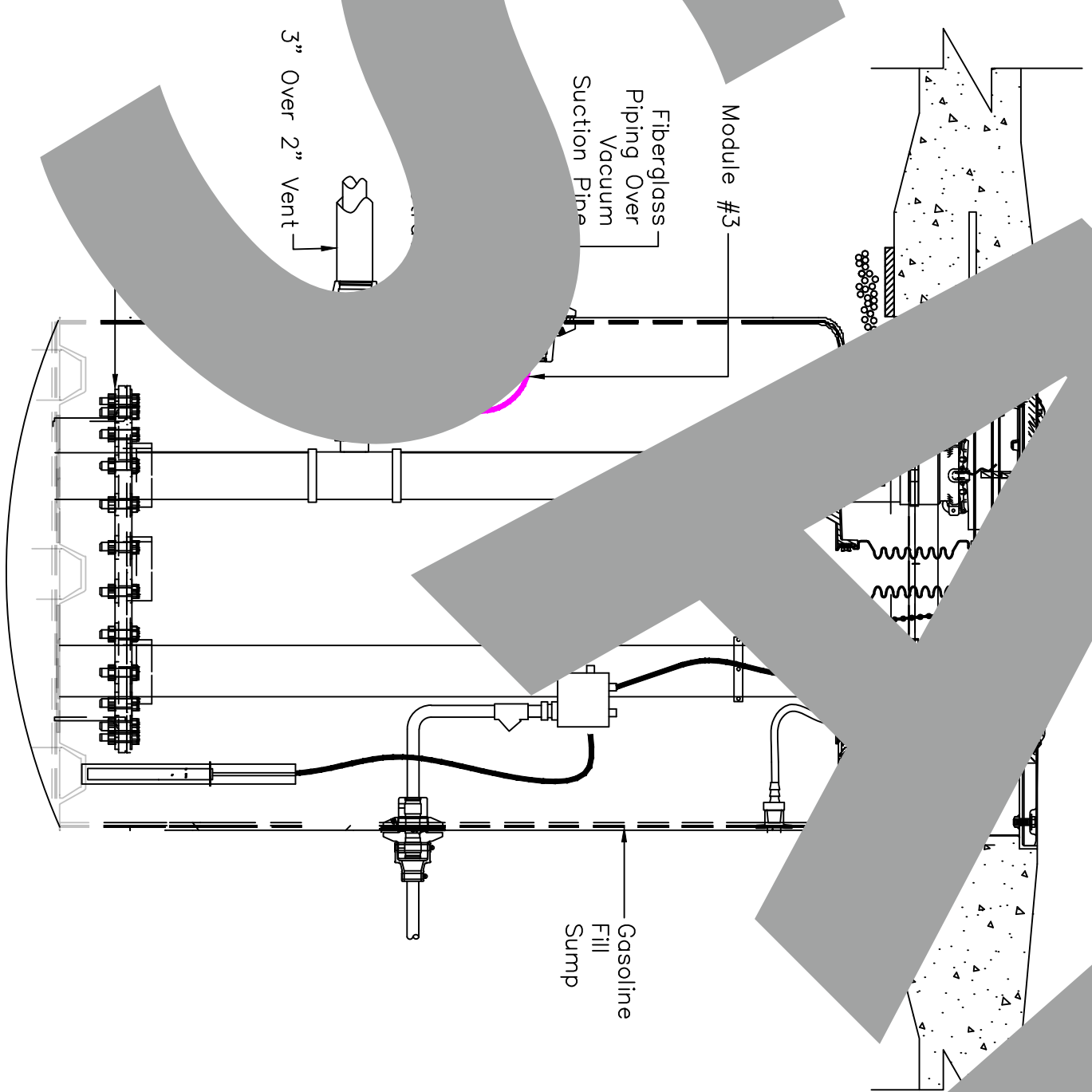
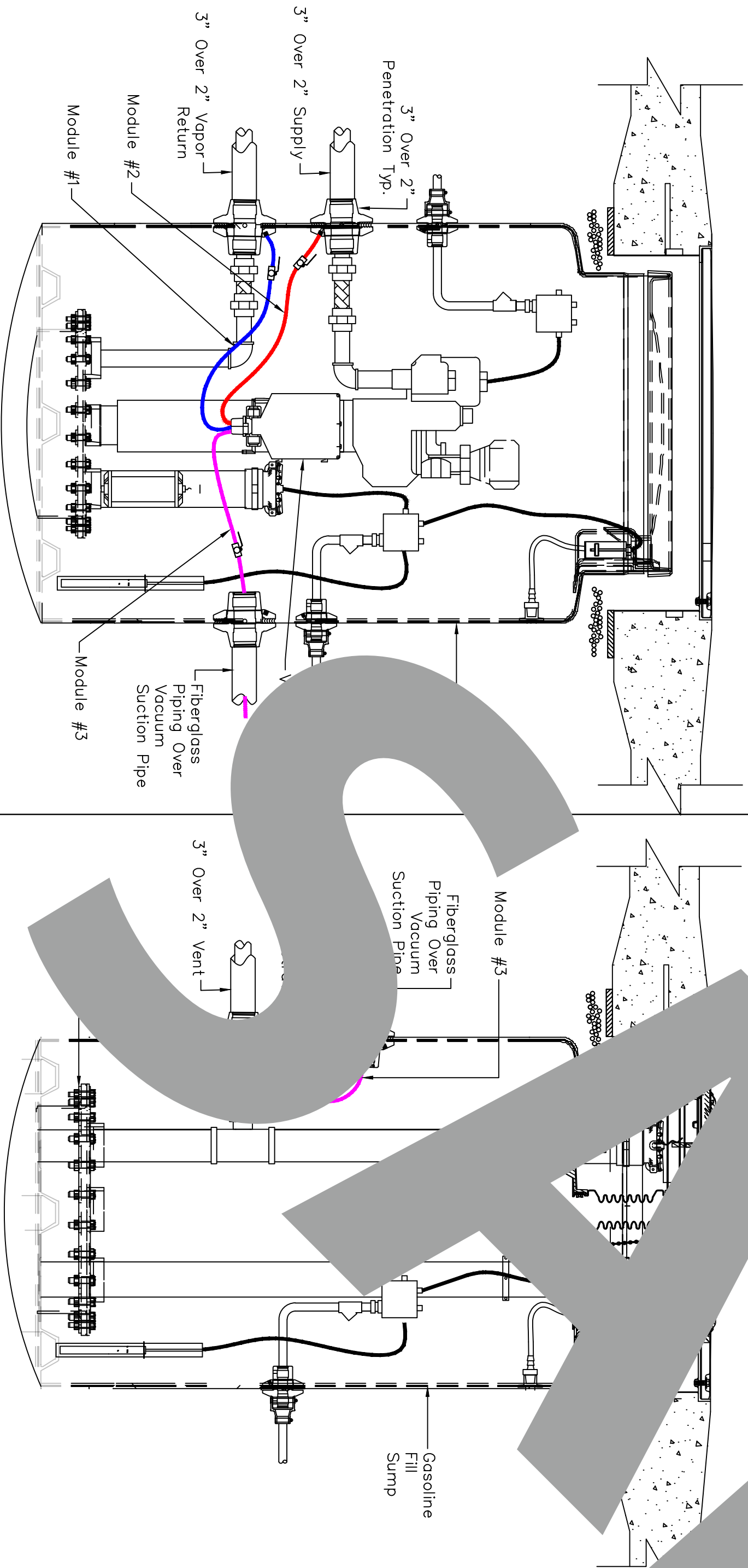
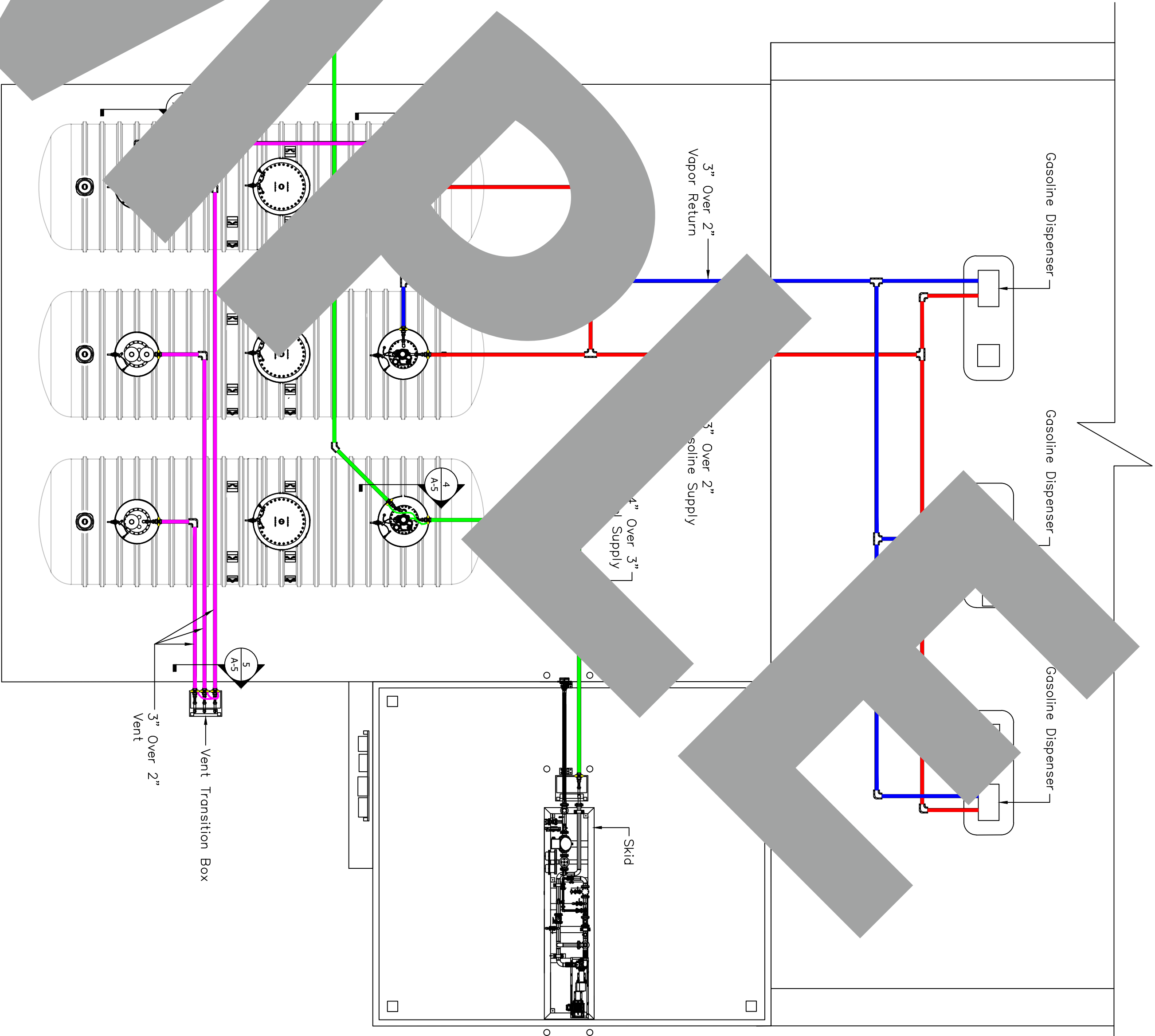
No.	Revision/Issue	Date

A-4

Tank Details

Project	*****	Sheet
Date	03/12/2025	A-4
Scale	AS NOTED	

MODULE/ZONE	PRIMARY & SECONDARY PIPING	CUBIC FEET	TOTAL VOLUME
MODULE 1 ZONE 1	3" OVER 2"	25.53 CU FT.	25.53 CU FT.
MODULE 2 ZONE 2	3" OVER 2"	27.715 CU FT.	27.715 CU FT.
MODULE 3 ZONE 3	3" OVER 2"	26.795 CU FT.	26.795 CU FT.
MODULE 4 ZONE 4	3" OVER 2"	26.565 CU FT.	32.223 CU FT.
	4" OVER 3"	5.658 CU FT.	



MODULE/ZONE DETAIL

SCALE
N.T.S.

1

GASOLINE PIPING SUMP ELEVATION DETAIL

SCALE
N.T.S.

2

GASOLINE FILL SUMP ELEVATION DETAIL

SCALE
N.T.S.

3

DIESEL PIPING SUMP ELEVATION DETAIL

SCALE
N.T.S.

4

VENT TRANSITION BOX ELEVATION DETAIL

SCALE
N.T.S.

5



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No.	Revision/Issue	Date

A-5

Module Details

Project	Sheet
Date	A-5
09/21/2025	
Scale	AS NOTED

- When connecting the end of a hold-down strap to the anchor, The following method will be used: (see Figure H-4)
- Drop-forged turnbuckle (A)
 - Looped wire rope (B)
 - Combination of both A and B (C)
- After hardware is installed, all exposed metal on the anchoring system must be protected against corrosion. With application of rubberized coating.

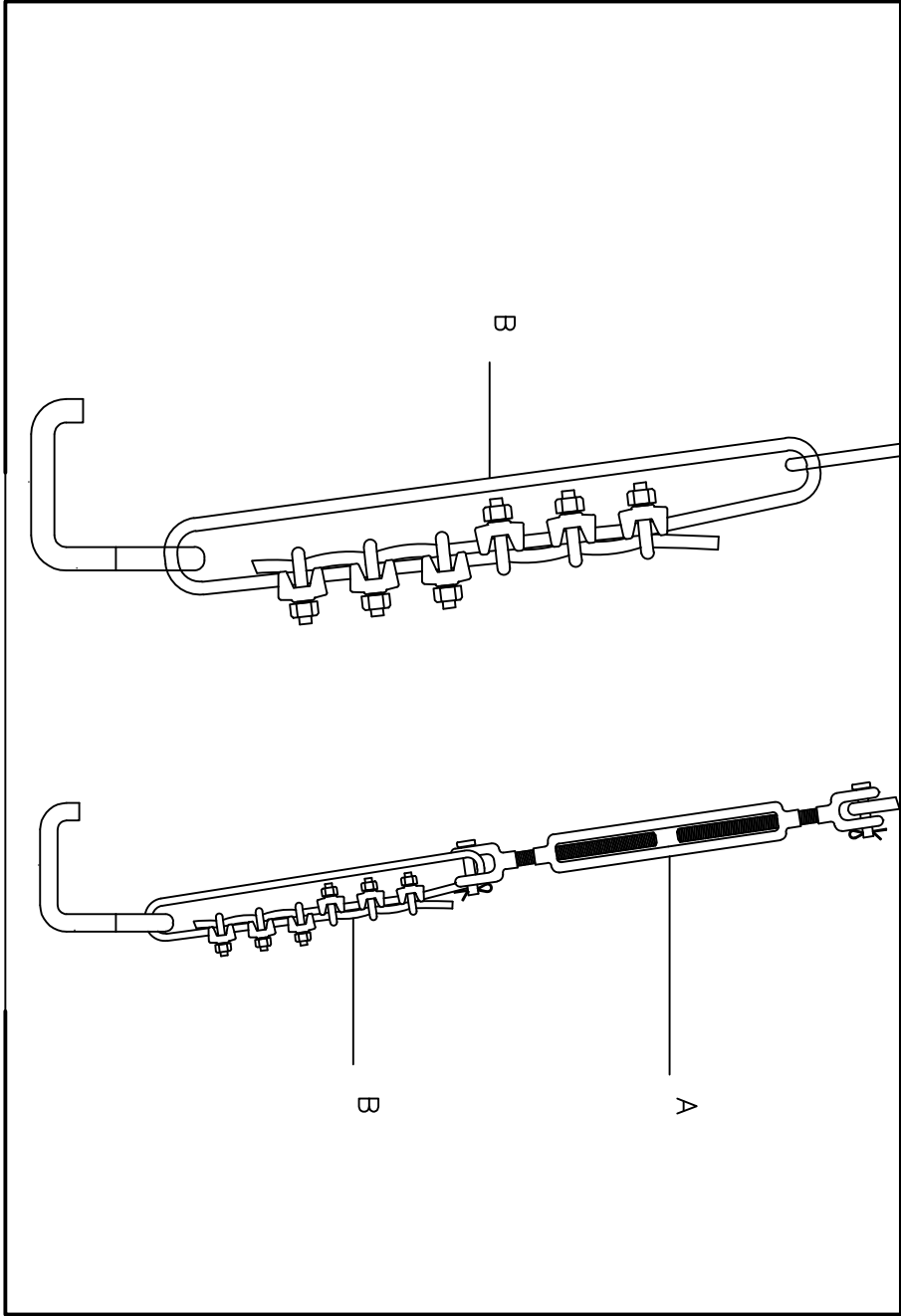


Figure H-5

Minimum Turnbuckle Diameter (by type)				
Tank Dia.	Hook	Jaw	Eye	Minimum Working Load Limit*
10'-5 1/2"	2 3/4"	3 1/4"	3 1/4"	5,200 lbs

CAUTION

Wire rope should never be in direct contact with any portion of the tank or damage may occur.

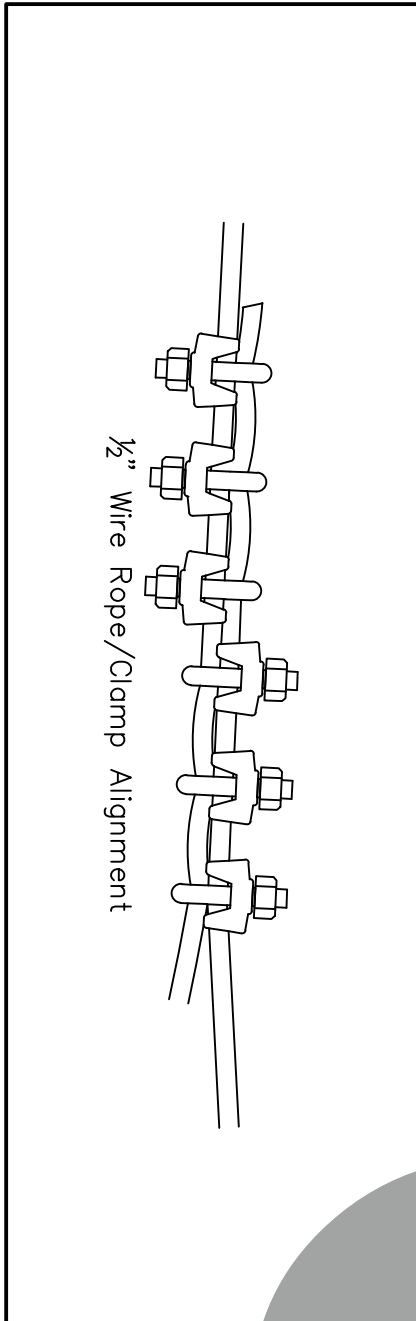
- Use 6 x 19 Improved Plow Steel (WRC, or better, wire rope.
- Refer to Table H-6 for minimum wire rope diameter and strength.

Figure H-6

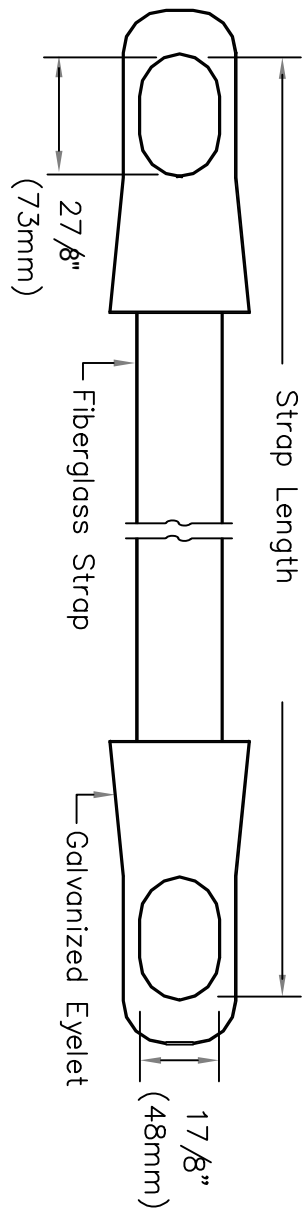
Wire Rope		
Tank Diameter	Minimum Diameter	Minimum Ultimate Strength
10'-5 1/2"	3/2" (13mm)	23,000 lbs.(10,431kg)

- Follow recommendations of the wire rope manufacturer, as well as all industry standards when selecting, handling, attaching or connecting wire rope.
- Tighten all hardware uniformly and follow the manufacturer's torque specifications. Double check the tightness once the anchoring system is complete.
- When forming a loop in the wire rope, a splice is required for connecting the two ends together. Use a minimum of six clamps for 3/2" wire rope. Place the rope ends parallel to each other and install the clamps as shown in Figure H-7.

Figure H-7



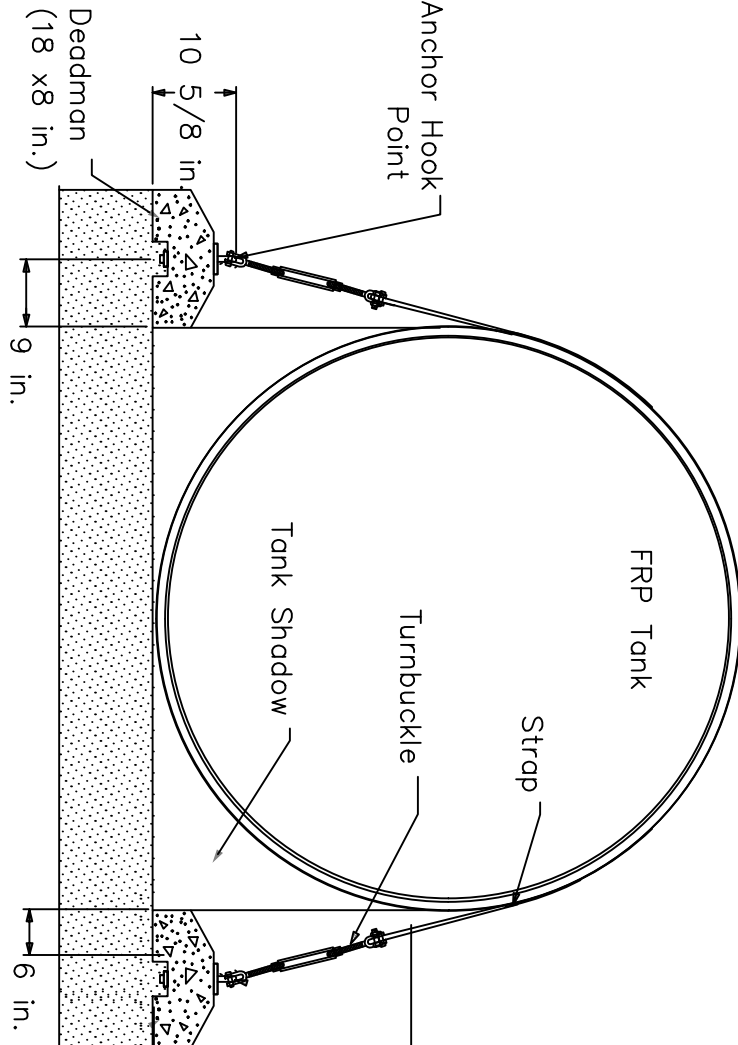
FIBERGLASS ANCHOR STRAP



Tank Diameter: 10'-5 1/2" Strap Length: 271 in. (6,877mm)

Hold-down straps have an ultimate load of 25,000 lbs.

- ALL TURNBUCKLES AND WIRE ROPE CLIPS TO BE GALVANIZED.
- ALL GALVANIZED + PLAIN STEEL PARTS TO BE COATED WITH INDUSTRIAL RUBBERIZED COATING.



Tank Diameter: 10'-5 1/2" *Dimension H: 50"

* This dimension is the distance from the hook strap to the bottom of the deadman.

XERXES DEADMAN

TANK SIZE GALLONS	QTY	1" L.	APPROX. WEIGHT EACH
4-600	2	12"	1,800 LBS
4-1,000	2	12"	1,800 LBS
4-1,500	2	16"	2,400 LBS
6-1,500	2	12"	1,800 LBS
6-2,000	2	12"	1,800 LBS
6-3,000	2	16"	2,400 LBS
6-4,000	2	18"	2,700 LBS
6-5,000	4	12"	1,800 LBS
6-6,000	4	16"	2,400 LBS
6-8,000	4	18"	2,700 LBS
8-2,000	2	12"	1,800 LBS
8-3,000	2	12"	1,800 LBS
8-4,000	2	12"	1,800 LBS
8-5,000	2	16"	2,400 LBS
8-6,000	2	18"	2,700 LBS
8-7,000	4	12"	1,800 LBS
8-8,000	4	12"	1,800 LBS
8-9,000	2	12"	1,800 LBS
8-10,000	4	16"	2,400 LBS
8-11,000	4	16"	2,400 LBS
8-12,000	4	18"	2,700 LBS
8-13,000	4	18"	2,700 LBS
8-14,000	2	12"	1,800 LBS
8-15,000	2	12"	1,800 LBS
10-1,000	2	12"	1,800 LBS
10-1,500	2	12"	1,800 LBS
10-2,000	2	16"	2,400 LBS
10-2,500	2	16"	2,400 LBS
10-3,000	2	16"	2,400 LBS
10-3,500	2	16"	2,400 LBS
10-4,000	2	16"	2,400 LBS
10-4,500	2	16"	2,400 LBS
10-5,000	2	16"	2,400 LBS
10-5,500	2	16"	2,400 LBS
10-6,000	2	16"	2,400 LBS
10-6,500	2	16"	2,400 LBS
10-7,000	2	16"	2,400 LBS
10-7,500	2	16"	2,400 LBS
10-8,000	2	16"	2,400 LBS
10-8,500	2	16"	2,400 LBS
10-9,000	2	16"	2,400 LBS
10-9,500	2	16"	2,400 LBS
10-10,000	2	16"	2,400 LBS
10-10,500	2	16"	2,400 LBS
10-11,000	2	16"	2,400 LBS
10-11,500	2	16"	2,400 LBS
10-12,000	2	16"	2,400 LBS
10-12,500	2	16"	2,400 LBS
10-13,000	2	16"	2,400 LBS
10-13,500	2	16"	2,400 LBS
10-14,000	2	16"	2,400 LBS
10-14,500	2	16"	2,400 LBS
10-15,000	2	16"	2,400 LBS
10-15,500	2	16"	2,400 LBS
10-16,000	2	16"	2,400 LBS
10-16,500	2	16"	2,400 LBS
10-17,000	2	16"	2,400 LBS
10-17,500	2	16"	2,400 LBS
10-18,000	2	16"	2,400 LBS
10-18,500	2	16"	2,400 LBS
10-19,000	2	16"	2,400 LBS
10-19,500	2	16"	2,400 LBS
10-20,000	2	16"	2,400 LBS
10-20,500	2	16"	2,400 LBS
10-21,000	2	16"	2,400 LBS
10-21,500	2	16"	2,400 LBS
10-22,000	2	16"	2,400 LBS
10-22,500	2	16"	2,400 LBS
10-23,000	2	16"	2,400 LBS
10-23,500	2	16"	2,400 LBS
10-24,000	2	16"	2,400 LBS
10-24,500	2	16"	2,400 LBS
10-25,000	2	16"	2,400 LBS
10-25,500	2	16"	2,400 LBS
10-26,000	2	16"	2,400 LBS
10-26,500	2	16"	2,400 LBS
10-27,000	2	16"	2,400 LBS
10-27,500	2	16"	2,400 LBS
10-28,000	2	16"	2,400 LBS
10-28,500	2	16"	2,400 LBS
10-29,000	2	16"	2,400 LBS
10-29,500	2	16"	2,400 LBS
10-30,000	2	16"	2,400 LBS
10-30,500	2	16"	2,400 LBS
10-31,000	2	16"	2,400 LBS
10-31,500	2	16"	2,400 LBS
10-32,000	2	16"	2,400 LBS
10-32,500	2	16"	2,400 LBS
10-33,000	2	16"	2,400 LBS
10-33,500	2	16"	2,400 LBS
10-34,000	2	16"	2,400 LBS
10-34,500	2	16"	2,400 LBS
10-35,000	2	16"	2,400 LBS
10-35,500	2	16"	2,400 LBS
10-36,000	2	16"	2,400 LBS
10-36,500	2	16"	2,400 LBS
10-37,000	2	16"	2,400 LBS
10-37,500	2	16"	2,400 LBS
10-38,000	2	16"	2,400 LBS
10-38,500	2	16"	2,400 LBS
10-39,000	2	16"	2,400 LBS
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10-40,000	2	16"	2,400 LBS
10-40,500	2	16"	2,400 LBS
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10-41,500	2	16"	2,400 LBS
10-42,000	2	16"	2,400 LBS
10-42,500	2	16"	2,400 LBS
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10-43,500	2	16"	2,400 LBS
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10-54,000	2	16"	2,400 LBS
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10-57,000	2	16"	2,400 LBS
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10-68,500	2	16"	2,400 LBS
10-69,000	2	16"	2,400 LBS
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10-72,000	2	16"	2,400 LBS
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10-73,500	2	16"	2,400 LBS
10-74,000	2	16"	2,400 LBS
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10-75,000	2	16"	2,400 LBS
10-75,500	2	16"	2,400 LBS
10-76,000	2	16"	2,400 LBS
10-76,500	2	16"	2,400 LBS
10-77,000	2	16"	2,400 LBS
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10-78,000	2	16"	2,400 LBS
10-78,500	2	16"	2,400 LBS
10-79,000	2	16"	2,400 LBS
10-79,500	2	16"	2,400 LBS
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10-81,000	2	16"	2,400 LBS
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10-82,000	2	16"	2,400 LBS
10-82,500	2	16"	2,400 LBS
10-83,000	2	16"	2,400 LBS
10-83,500	2	16"	2,400 LBS
10-84,000	2	16"	2,400 LBS
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10-86,000	2	16"	2,400 LBS
10-86,500	2	16"	2,400 LBS
10-87,000	2	16"	2,400 LBS
10-87,500	2	16"	2,400 LBS
10-88,000	2	16"	2,400 LBS
10-88,500	2	16"	2,400 LBS
10-89,000	2	16"	2,400 LBS
10-89,500	2	16"	2,400 LBS
10-90,000	2	16"	2,400 LBS
10-90,500	2	16"	2,400 LBS
10-91,000	2	16"	2,400 LBS
10-91,500	2	16"	2,400 LBS
10-92,000	2	16"	2,400 LBS
10-92,500	2	16"	2,400 LBS
10-93,000	2	16"	2,400 LBS
10-93,500	2	16"	2,400 LBS
10-94,000	2	16"	2,400 LBS
10-94,500	2	16"	2,400 LBS
10-95,000	2	16"	2,400 LBS
10-95,500	2	16"	2,400 LBS
10-96,000	2	16"	2,400 LBS
10-96,500	2	16"	2,400 LBS
10-97,000	2	16"	2,400 LBS
10-97,500	2	16"	2,400 LBS
10-98,000	2	16"	2,400 LBS
10-98,500	2	16"	2,400 LBS
10-99,000	2	16"	2,400 LBS
10-99,500	2	16"	2,400 LBS
10-100,000	2	16"	2,400 LBS

Deadmen To Be Used For NBDS B305 Project

XERXES PRECAST DEADMAN ANCHORS ARE USED WITH XERXES TANKS TO PROVIDE ANCHORAGE FOR PROPER SIZING AND ANCHORING OF DEADMEN.

FOR CAST IN PLACE OR DEADMAN ANCHORS TO XERXES INSTALLATION MANUAL FOR PROPER SIZING AND ANCHORING.

XERXES®	
TITLE	XERXES PRECAST DEADMEN
DATE	1/24
REV	NO.S11-376.02

Structural Details

S-2

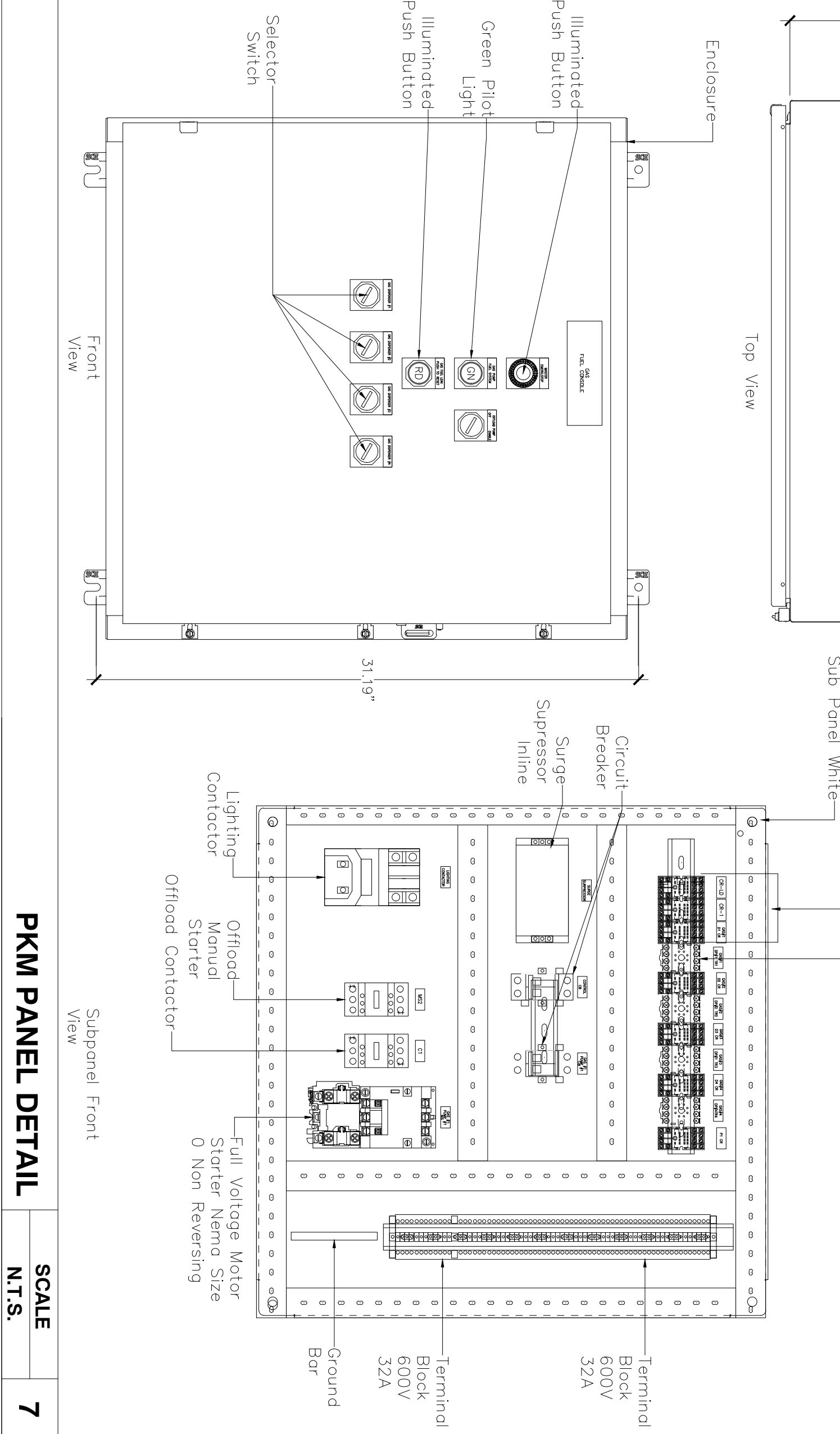
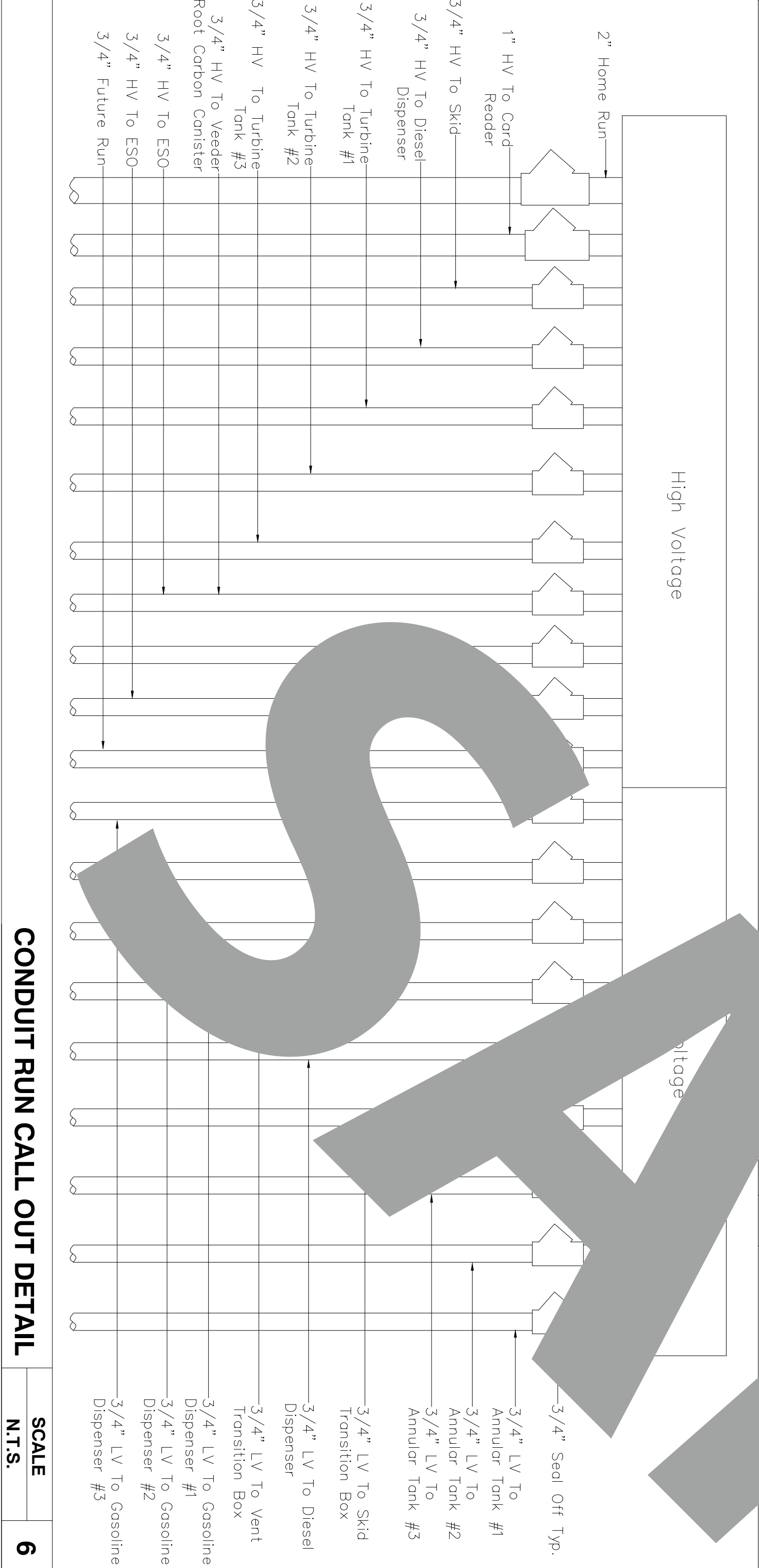
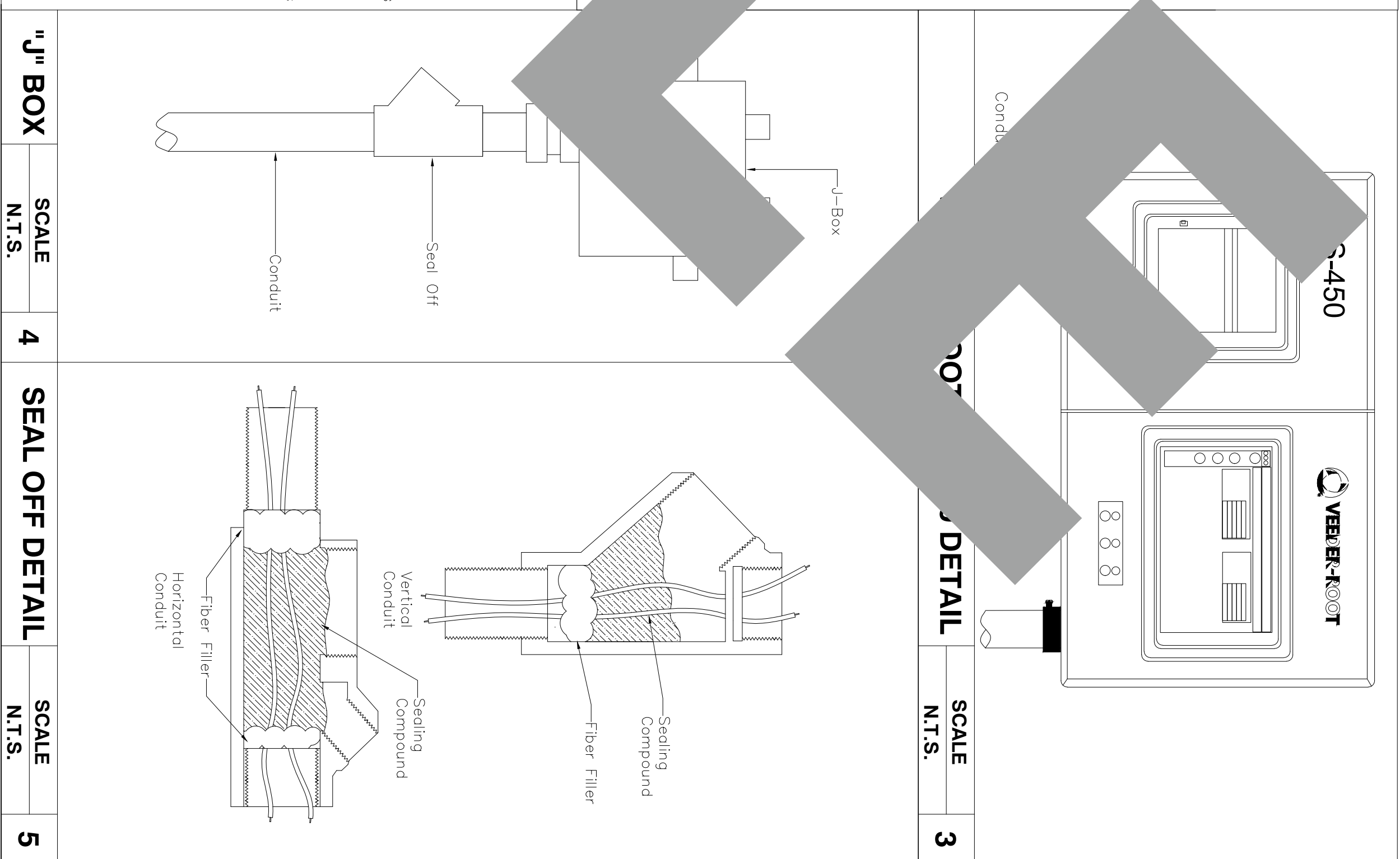
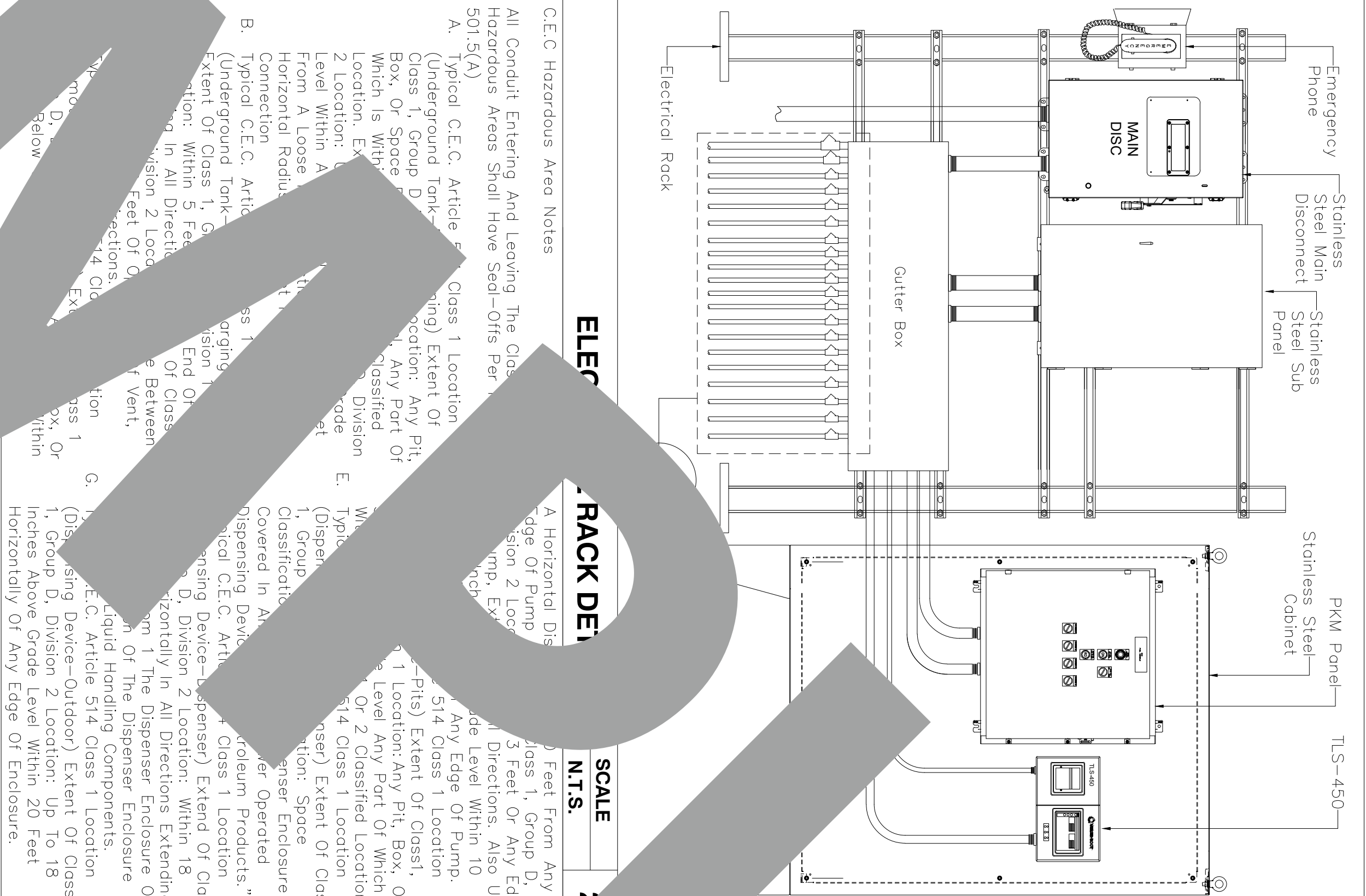
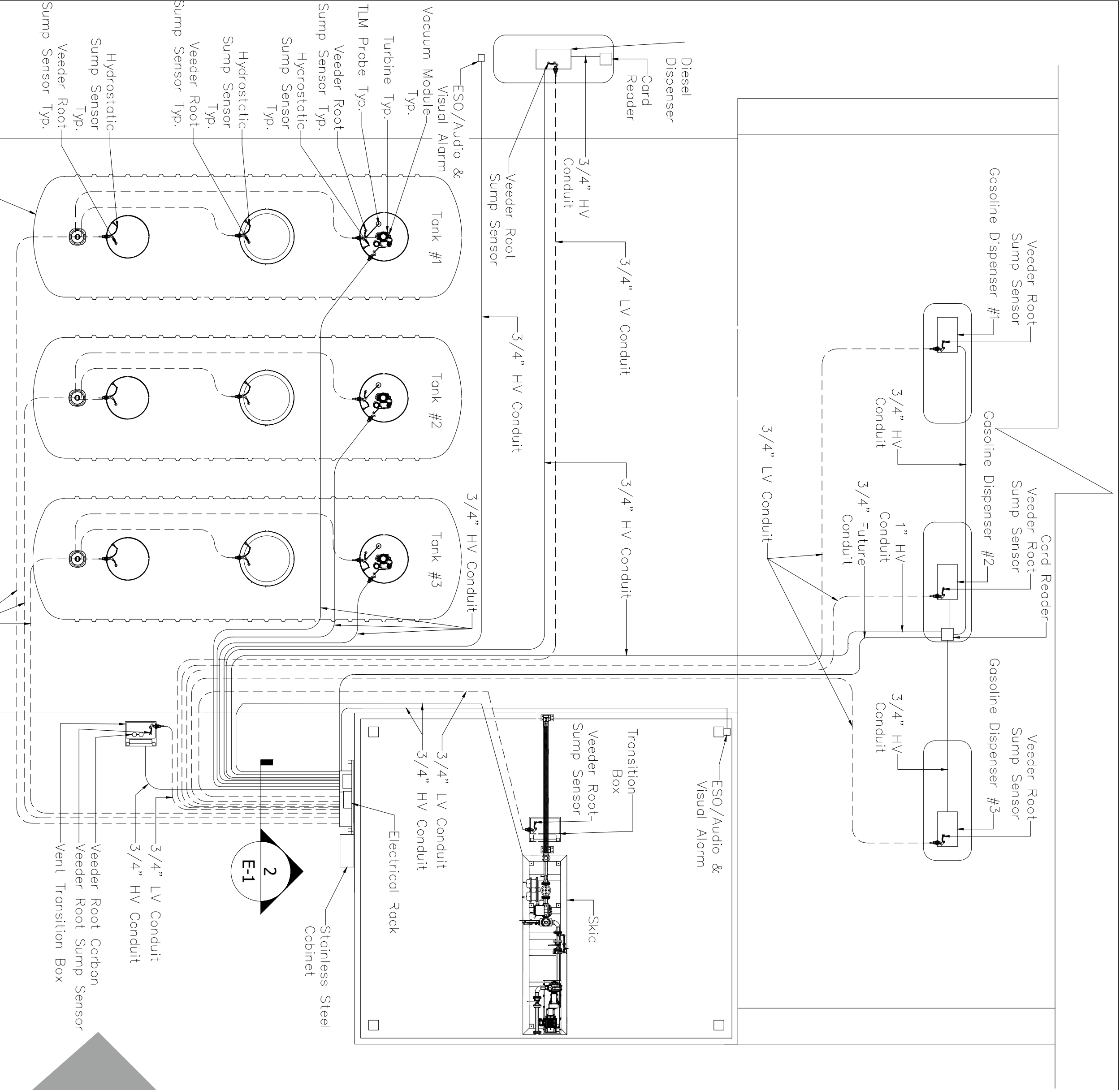
NBSD Building B305

Tank Specialists of California
(A Division of Tank Specialties, Inc.)
27570 Commerce Center Drive, Suite 129
Temecula, CA 92590
Toll Free # (1-888) 606 TANK (8265)
Fax (951) 676-0688
(License No. 745065 A, B-HAZ)



No.	Revision/Issue	Date

Project	Sheet
Date	S-2
Scale	AS NOTED



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NBSD Building B305

E-1

Electrical Detail

Project	*****	Sheet
Date	09/21/2025	E-1
Scale	As Noted	

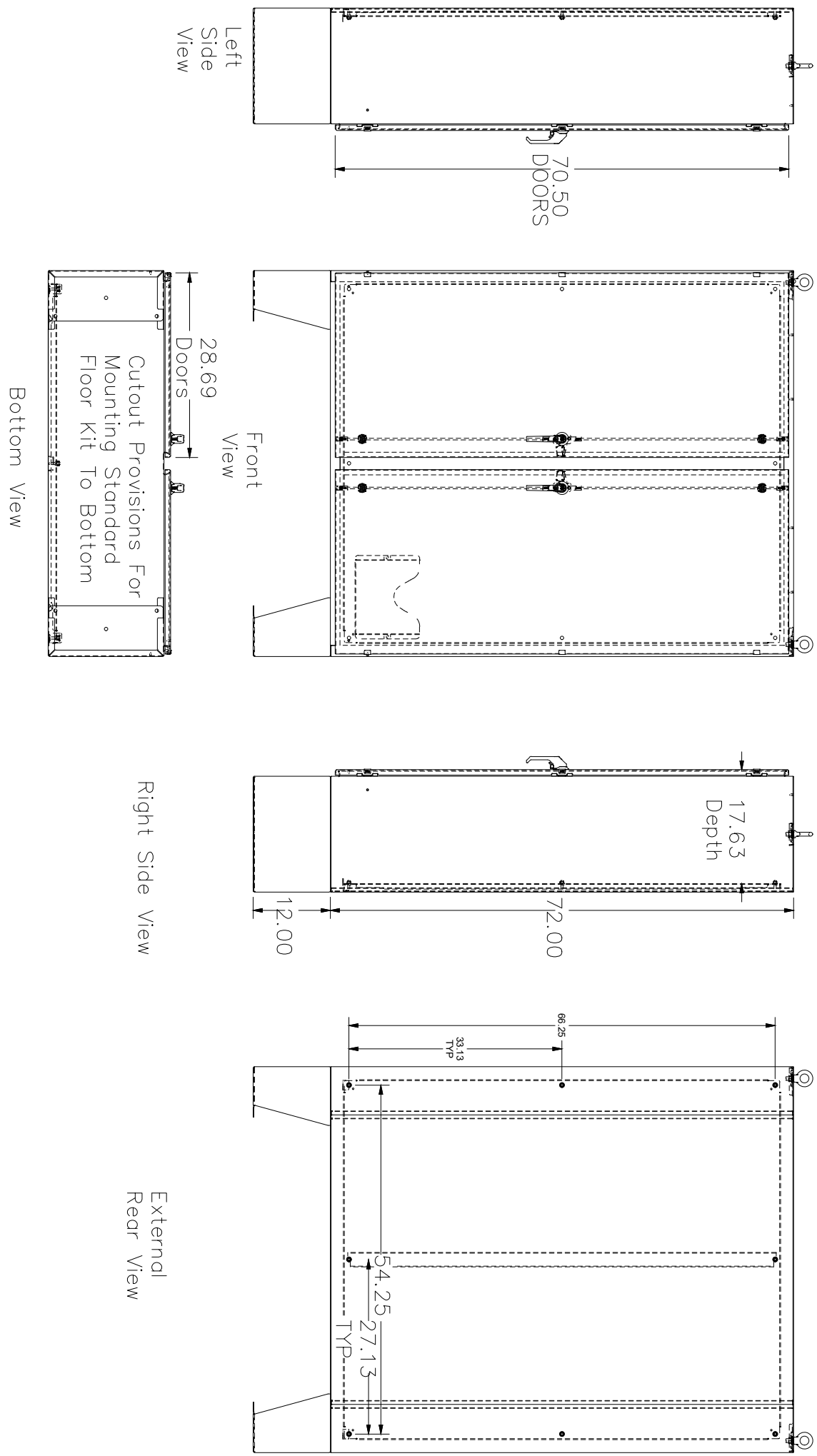
No.	Revision/Issue	Date

CONDUIT RUN CALL OUT DETAIL

SCALE
N.T.S.

PKM PANEL DETAIL

SCALE
N.T.S.



STAINLESS STEEL CABINET DETAIL

SCALE
N.T.S.

2



EMERGENCY PHONE DETAIL

SCALE
N.T.S.

2

Tank Specialists of California

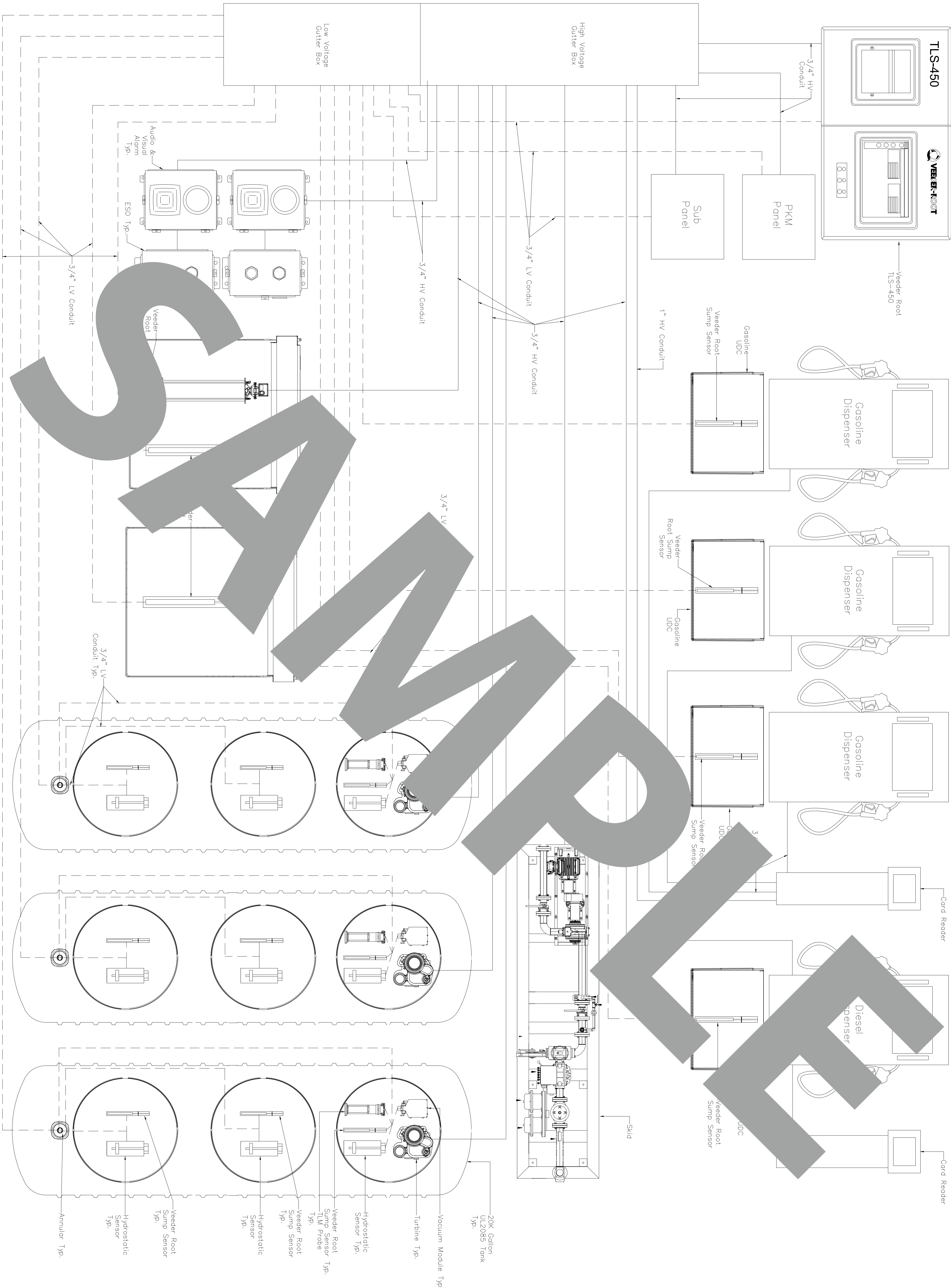
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NBSD Building B305

E-1.1

Electrical Detail

Project	Sheet
Date	E-1.1
Scale	As Noted



SINGLE LINE DIAGRAM DETAIL

SCALE
N.T.S.

1

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No.	Revision/Issue	Date

E-2

Electrical Detail

Project	Sheet
Date	E-2
Scale	As Noted