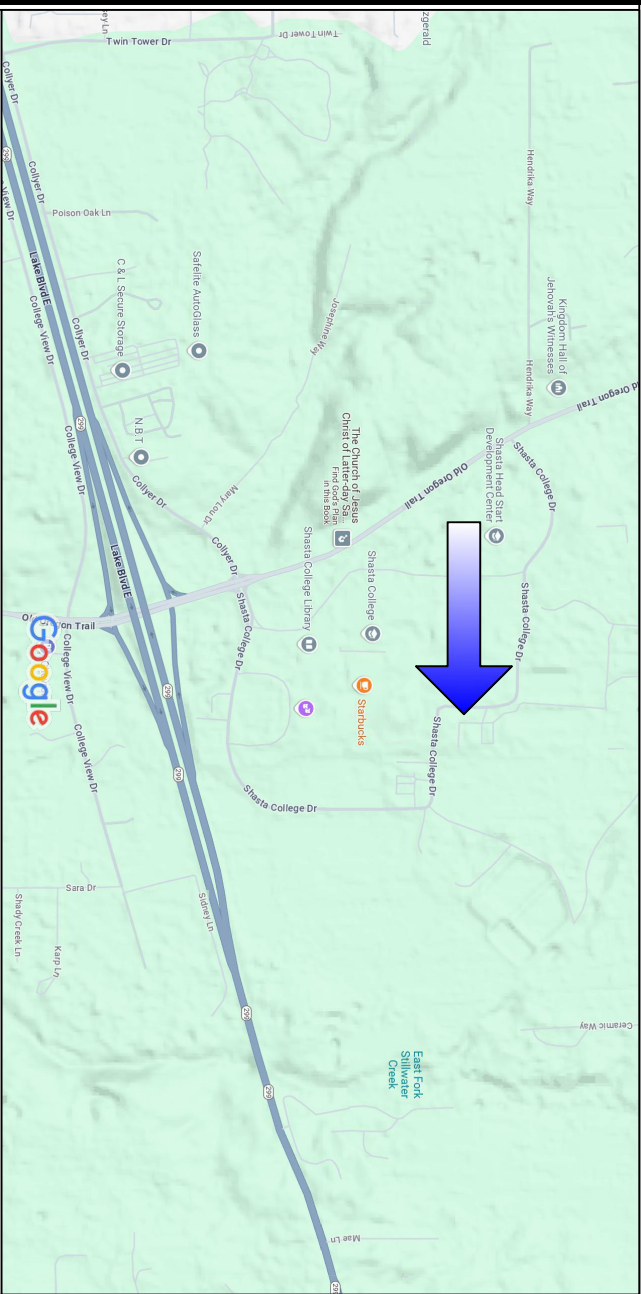


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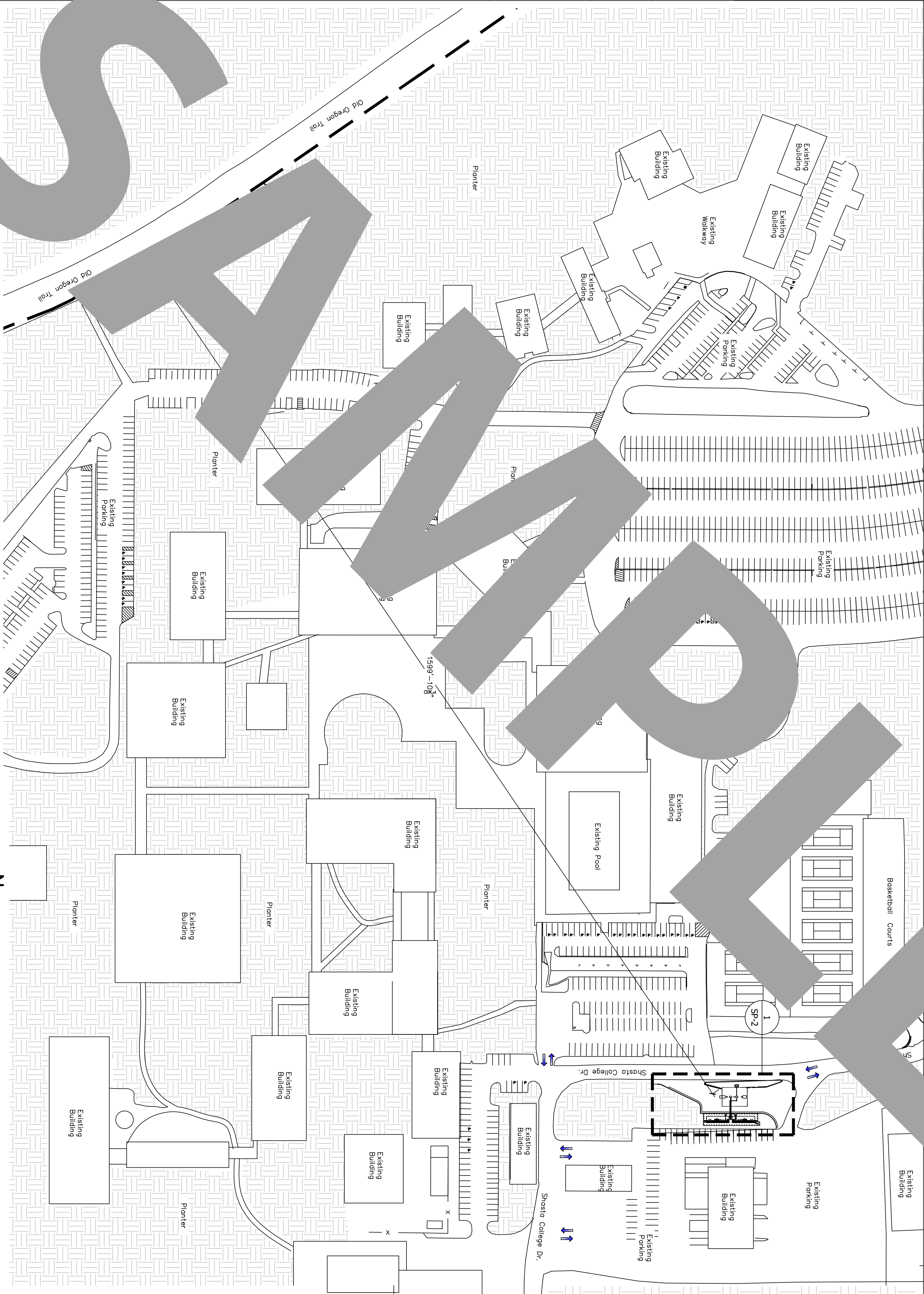
AST Installation



VICINITY MAP

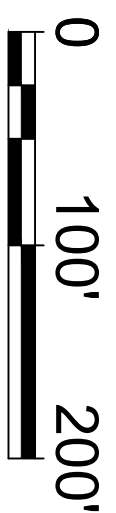
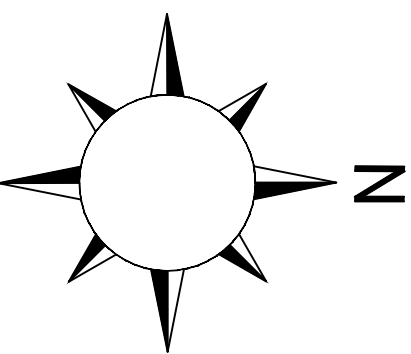
LEGEND

1	SP-1	New Work Site Plan Layout
2	SP-D1	Demolition Site Plan Layout
3	PL-1	Parts List
4	SP-2	Site Plan & Canopy/Dispenser Details
5	A-1	Tank/Transition Sump Details
6	A-2	Tank Details
7	A-3	Kiosk & Canopy Details
8	A-4	DEF & Tank Details
9	S-1	Concrete Details
10	E-1	Electrical Details
11	E-2	PKM/ESO/Overfill Alarm/SUB Panel Details



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

WILL FOLLOW APPLICABLE CODES
2025 CBC-2025 CEC-2025 CFC



Scale
1/90"=1'-0"

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Tank Specialists of California

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SP-1

New Work
Site Plan Layout

Project	Sheet
Date	SP-1
Scale	1/90"=1'-0"

No.	Revision/Issue	Date

UST REMOVAL SCOPE OF WORK

MOVE IN

- Mobilize all required equipment and temp fencing for our work.

SITE PREPARATION, DEMOLITION AND EXCAVATION

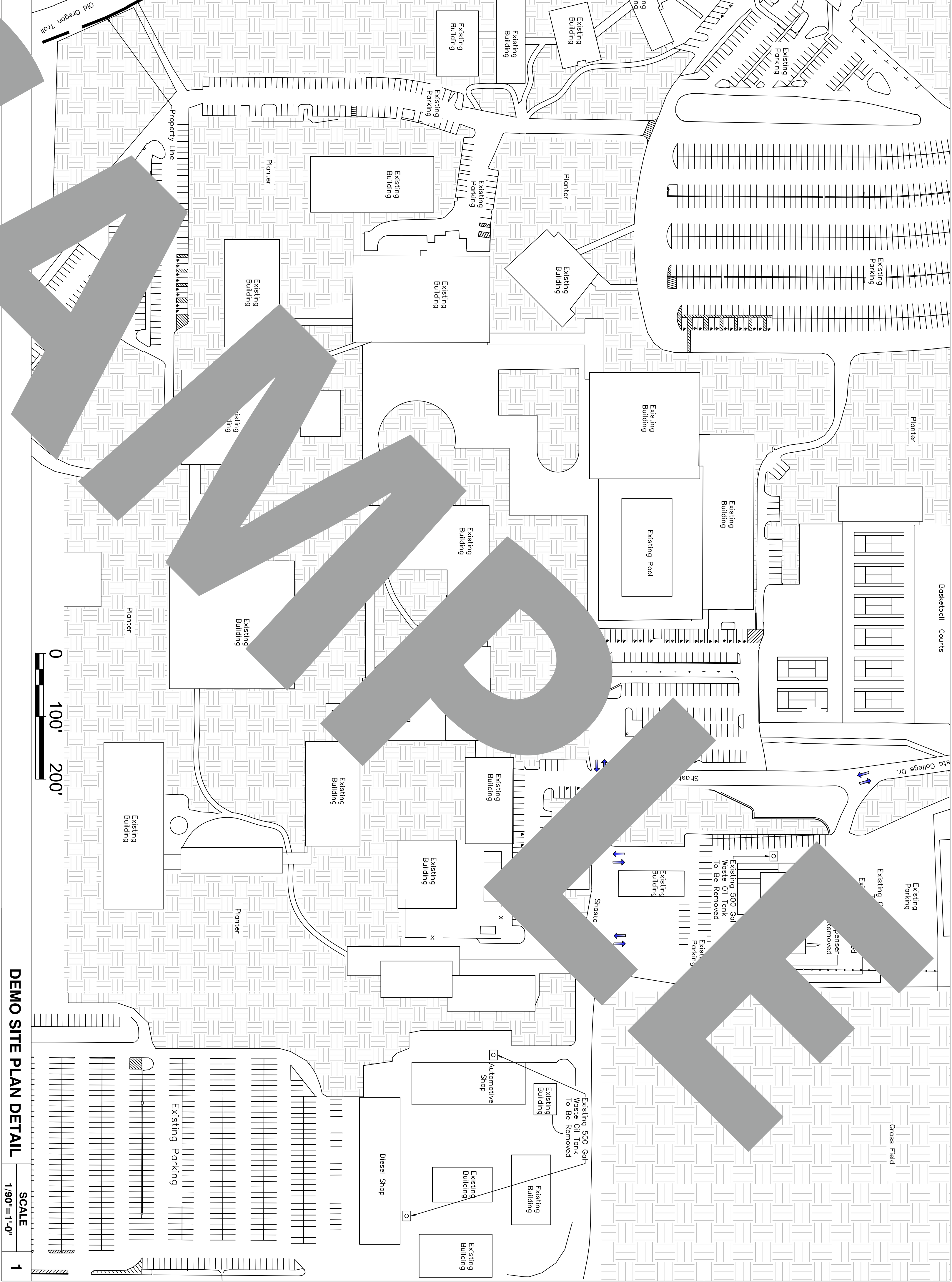
- Contact Underground Service Alert.
- Remove and dispose of the dispensers.
- Sawcut the concrete around the tank's perimeter and the product and vent piping trenches and dispenser pans.
- Provide screw jacks and support strips around the canopy column closest to the UST. This is required to support that footing during the tank removal process.
- Remove and dispose of all concrete above the tanks and lines and dispose.
- Provide delineation around the excavations.

TANK REMOVAL

- Uncover the tank and lines.
- Triple rise the tank to ensure that they are safe for removal and demo. The tanks will be cleaned with a high-pressure pressure washer. The rinsate will be transported and disposed of, under manifest, by a hazardous materials disposal company. This same rinsate manifest will be required to dispose of the tank, as non-haz, at a landfill. Bid includes up to 300 gallons product/rinsate disposal, which includes the initial free product removal.
- Place dry ice in the tanks prior to removal.
- Place dry ice in the tanks prior to removal.
- Load and secure the tank on a trailer and dispose of at a state certified disposal facility.
- Dispose of all piping, sumps and manways.
- Obtain by a State of California Registered Geologist and analyze up to eight (8) soil samples under the tanks, piping and dispensers per EPA test methods Med. 8015/8020 BTEX& and MRE, as applicable.
- Backfill and compact the excavation with class II base, note we assume all excavated material removed for the tank removal will be clean and used for backfilling.
- Provide repair, dowel into the existing surrounding concrete and pour 3,000 psi concrete to match the surrounding area.
- Prepare and submit the final closure data to the City of Redding & Shasta County and provide the originals to the client. The data includes all permits, destruction certificate for the tank, and soil sample analytical and waste manifest for the rinsate disposal.

Notes:

- Is the responsibility of the permittee shall provide site security to prevent unauthorized access into work zone.
- The permittee shall contact underground service alerts at 811 or (800) 422-4133 at least two working days prior to the start of the excavation.
- Nieves and Sons will be the certified cleaner and the hauler for the rinsate. Nieves and Sons will be the certified hauler for the waste.
- Toxic Substances Control Hazardous Waste Transporter # 0503
- Nieves and Sons will be the certified UST cleaner and the hauler for the rinsate.
- CA State Contractors License #: 672912 Classification A-Haz, CA Department of Toxic Substances Control – Hazardous Waste Transporter # 0503.
- Dry ice to be used to inert the tank and that it will not be placed into the UST until the branch representative is on site. 22.2 lbs. of dry ice per 1,000 gallons of UST capacity shall be used for each UST.
- Verify the tanks lower explosion limit (LEL) utilizing a calibrated/certified meter.
- Mini Excavator to expose the existing UST's and small crane to place it on flat bed truck to be haul away.
- Proper PPE will be required to be onsite during working hours (also see our Health and Safety documents on site)
- Please see attachment for Health and Safety Plan. Also, we will provide two 200lb fire extinguishers on site during UST removal.
- There are no overhead hazards where UST removal will take place
- Will have a third party come out to track any possible underground utility lines around the UST removal.



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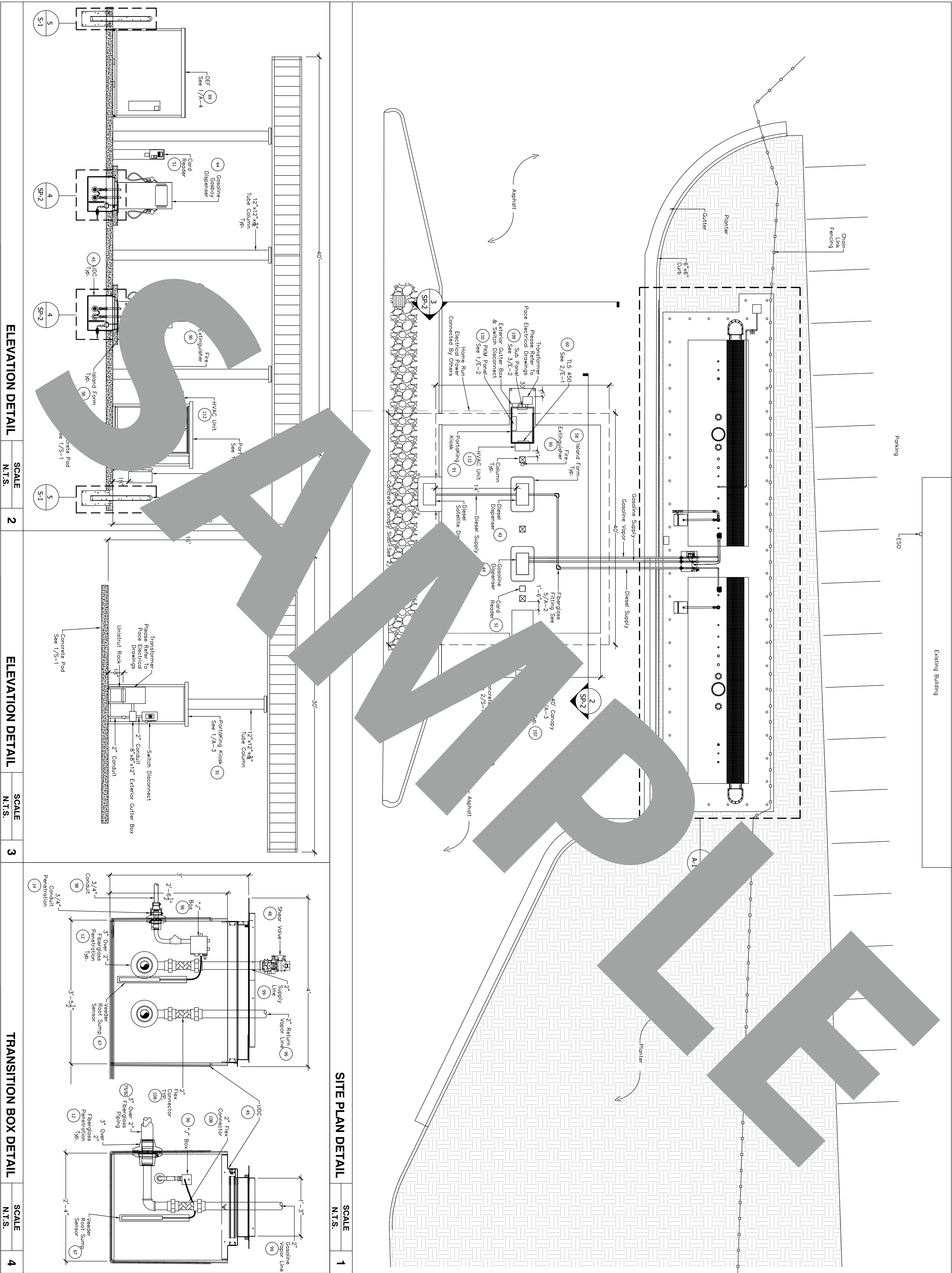
1155 Old Oregon Trail
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No.	Revision/Issue	Date

SP-D1

Demolition
Site Plan

Project	Sheet
Date	SP-D1
Scale	1/90"=1'-0"



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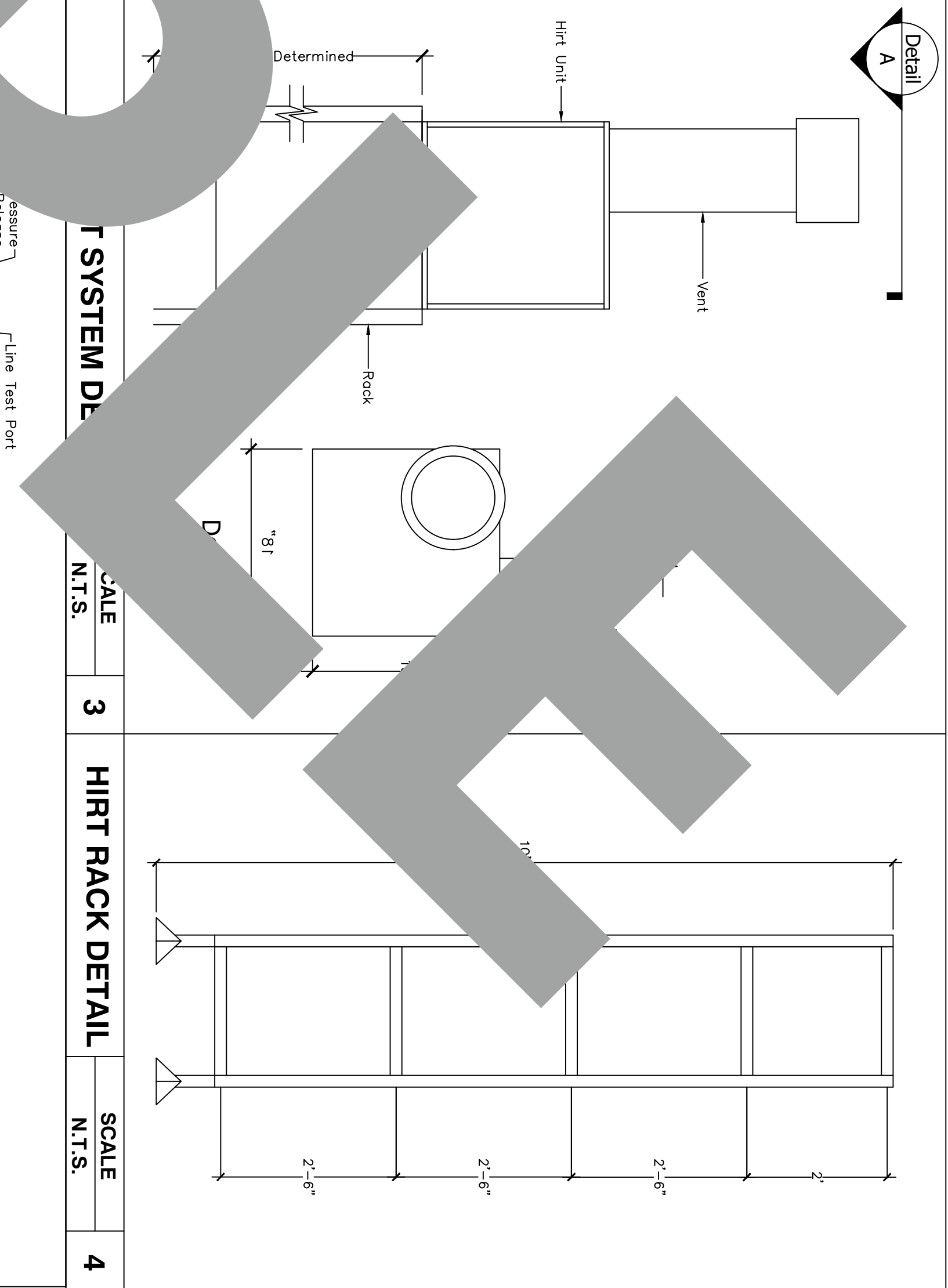
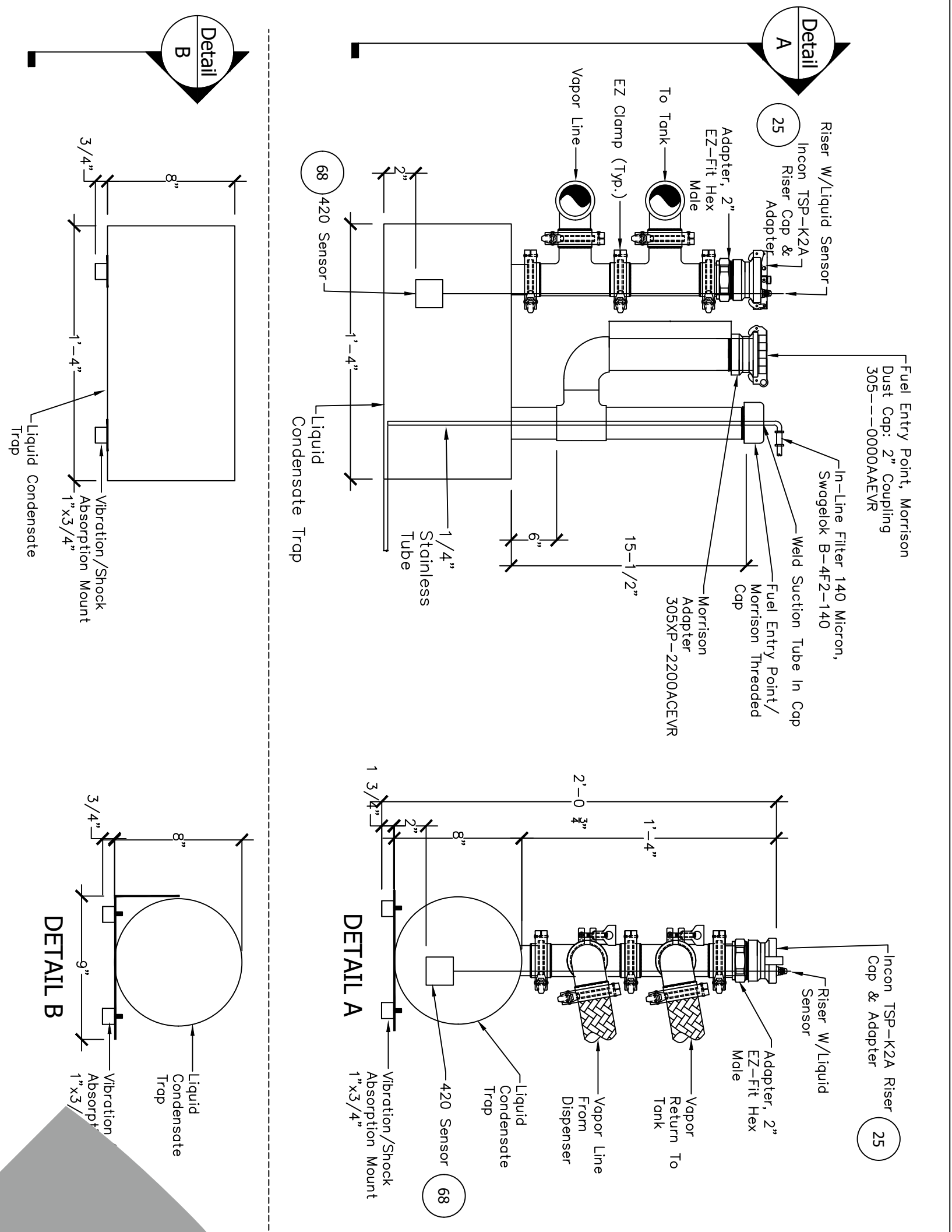
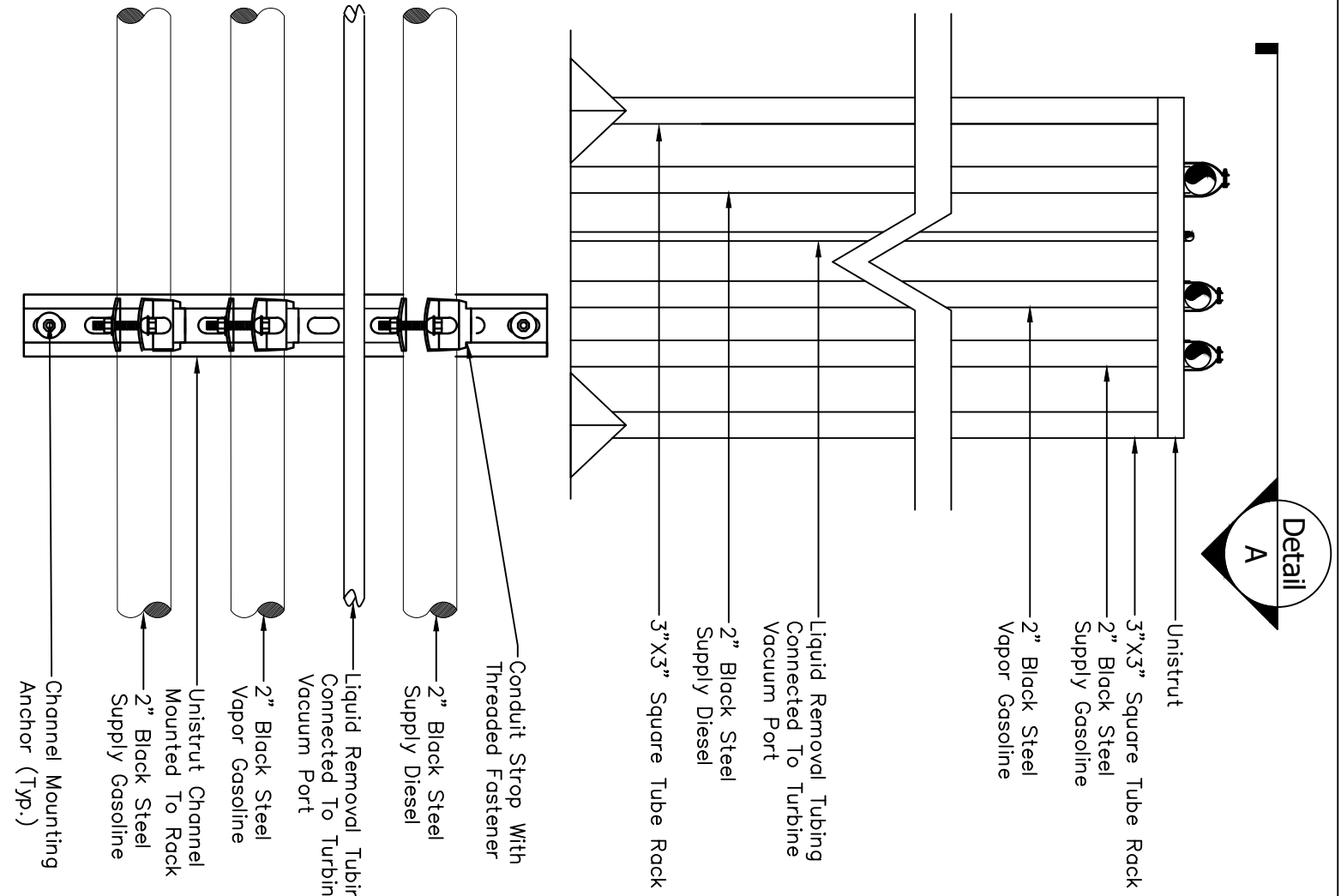
**1155 Old Oregon Trail
Redding CA 96003**

SP-2

**Site Plan &
Canopy/Dispenser
Details**

Project	Sheet
Date	SP-2
Scale	AS NOTED

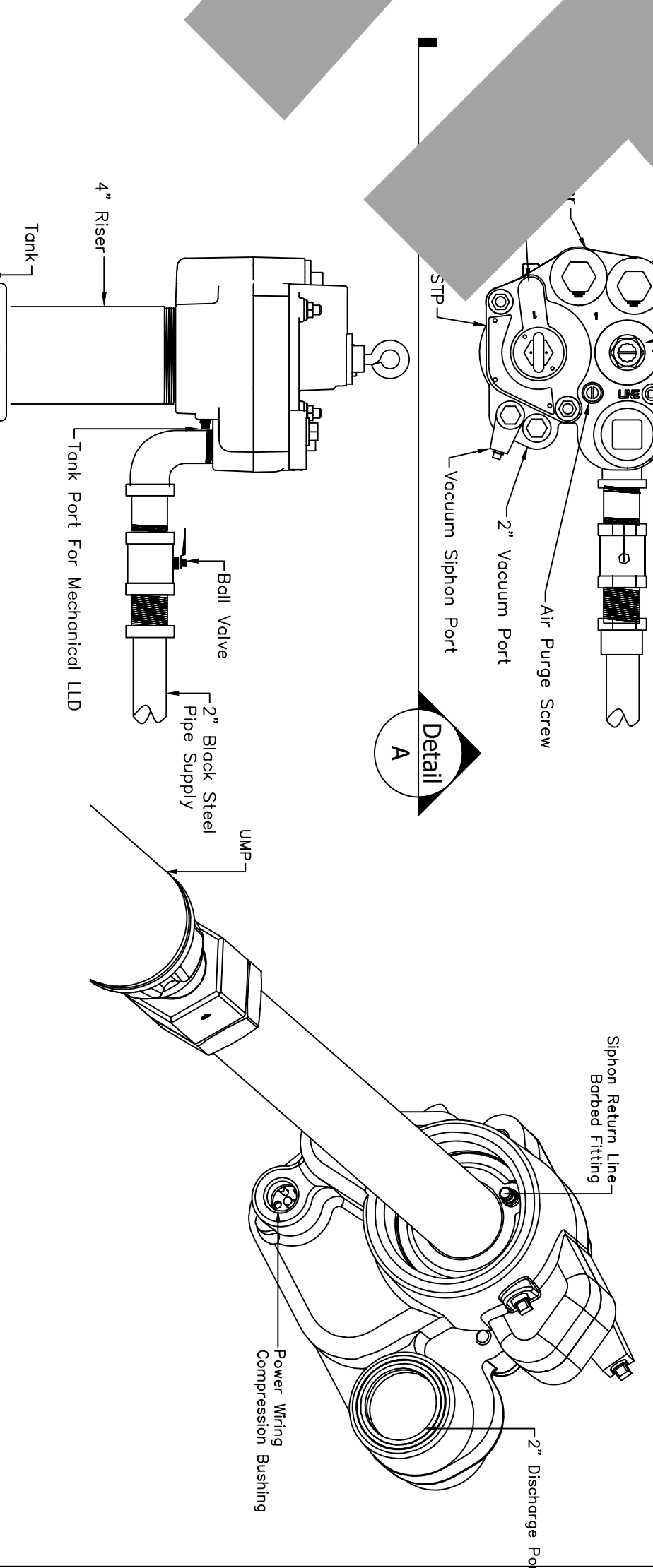
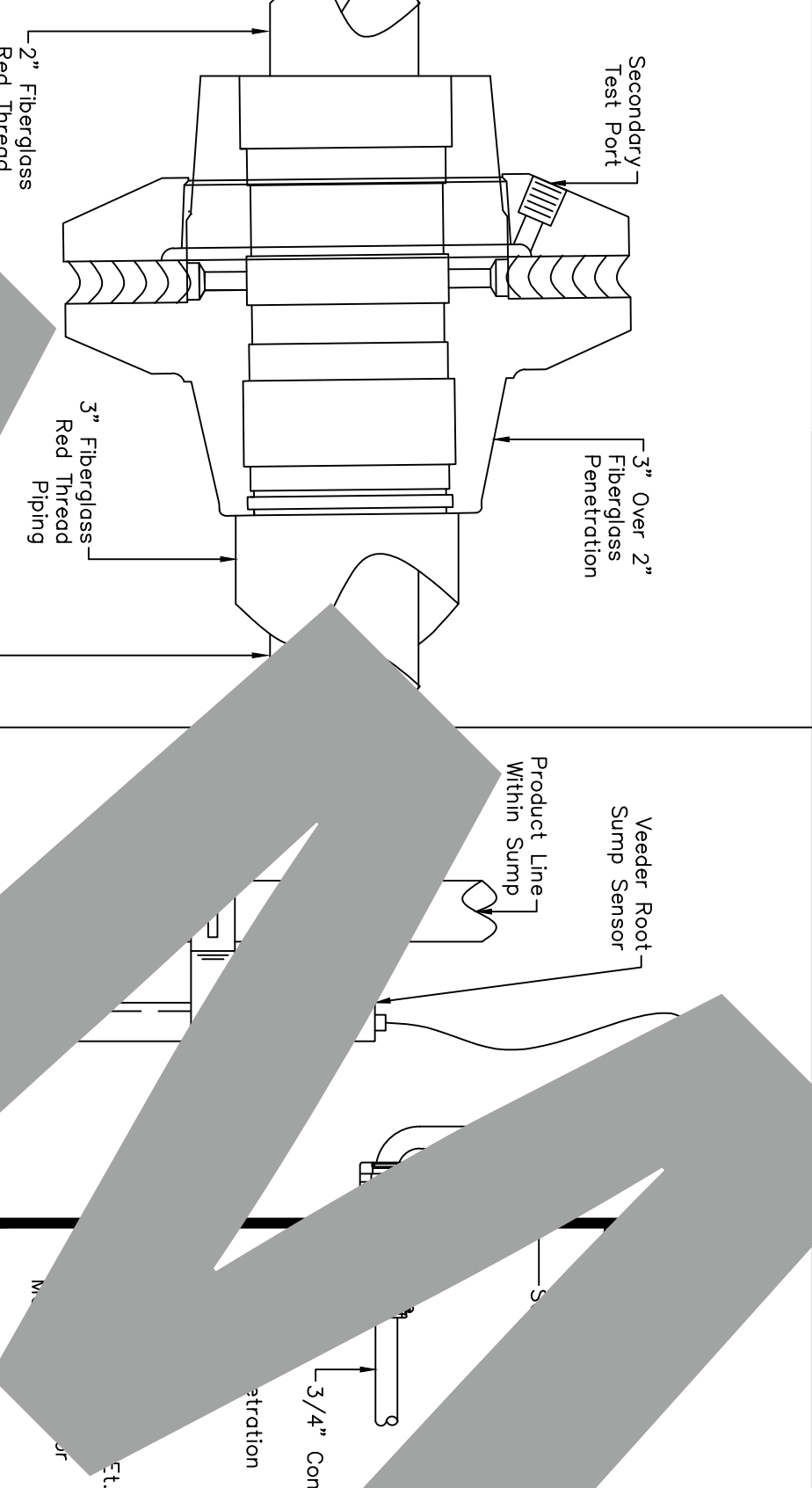
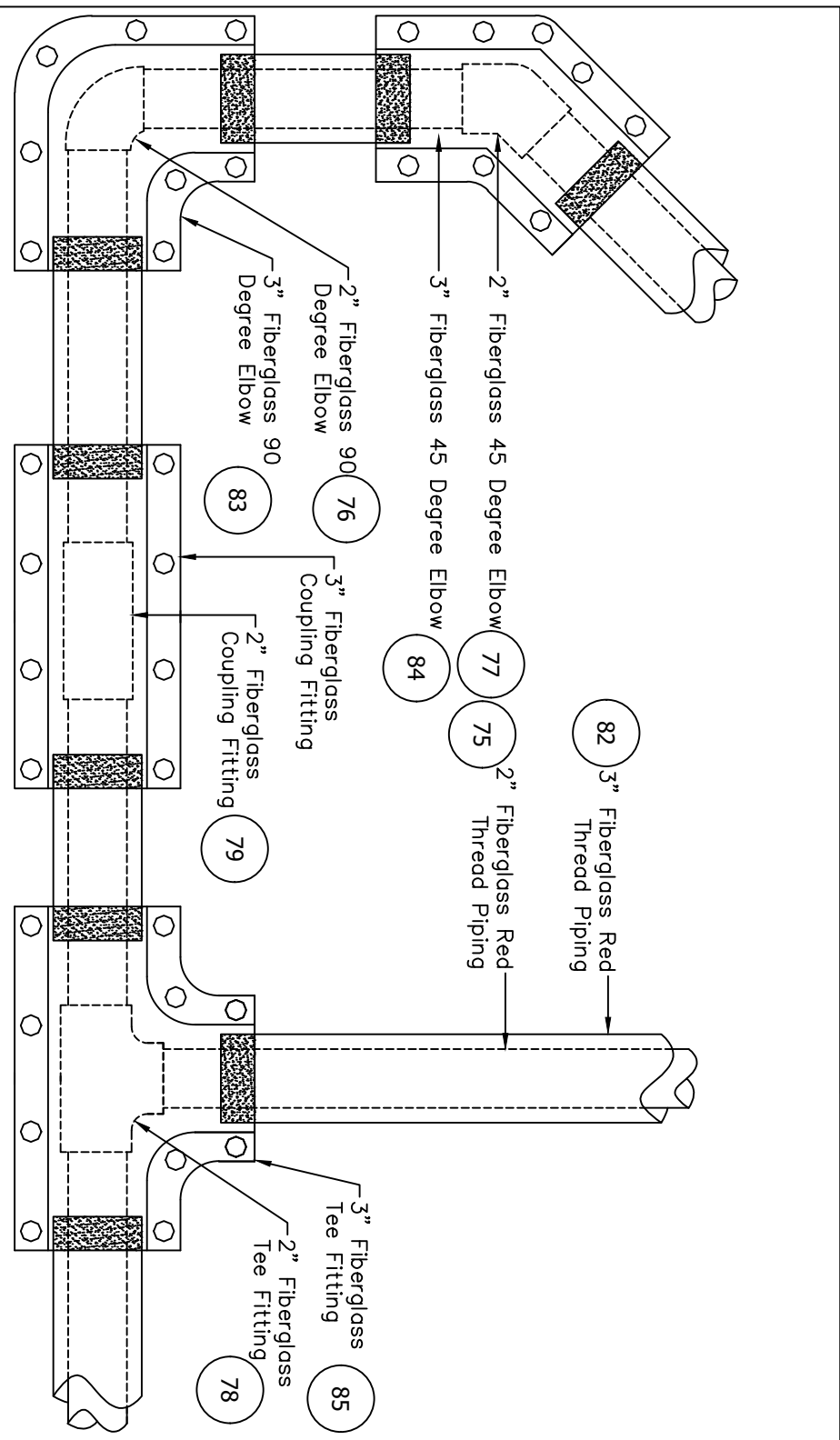
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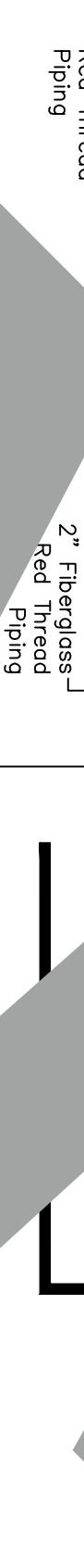
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PIPING RACK DETAIL	SCALE	1	PIPETO-LECT DETAIL	SCALE	2
N.T.S.			N.T.S.		



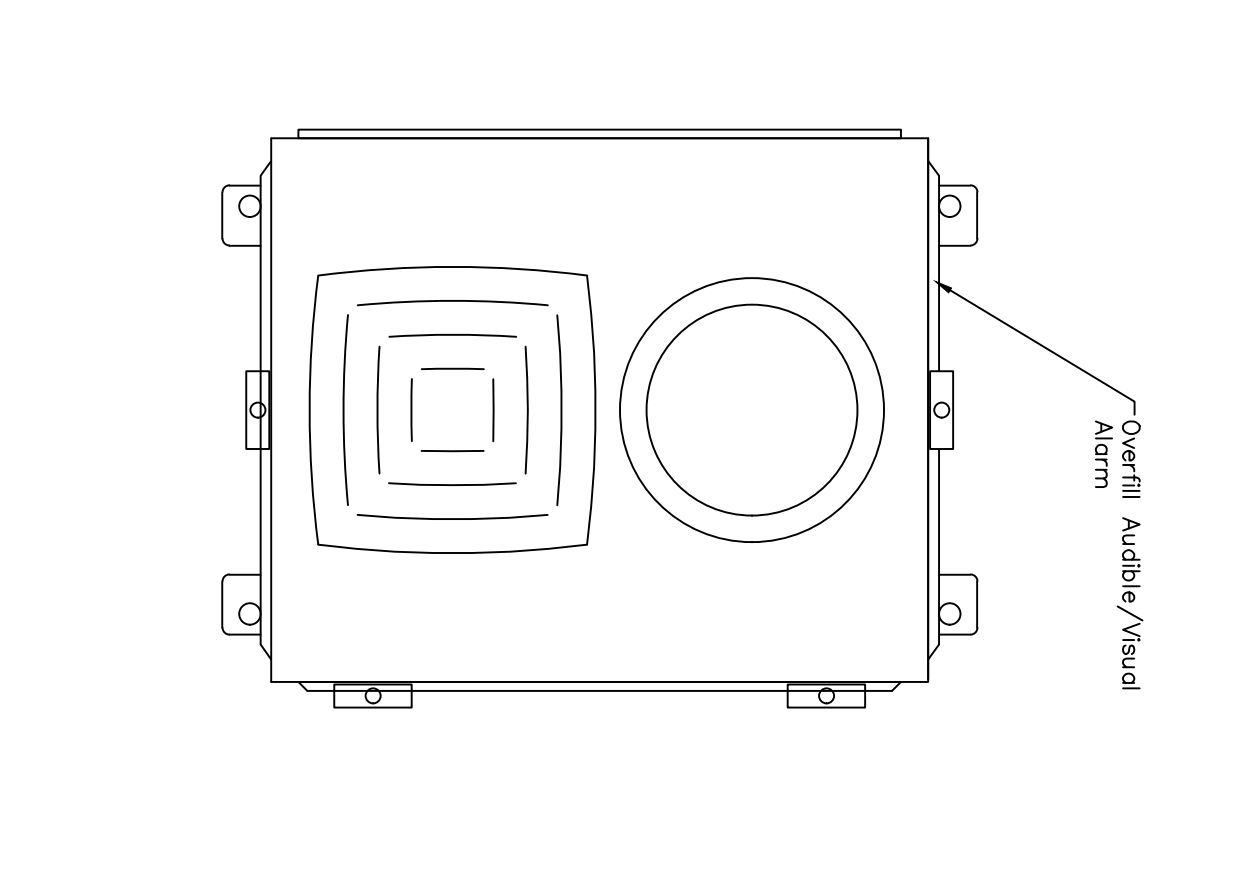
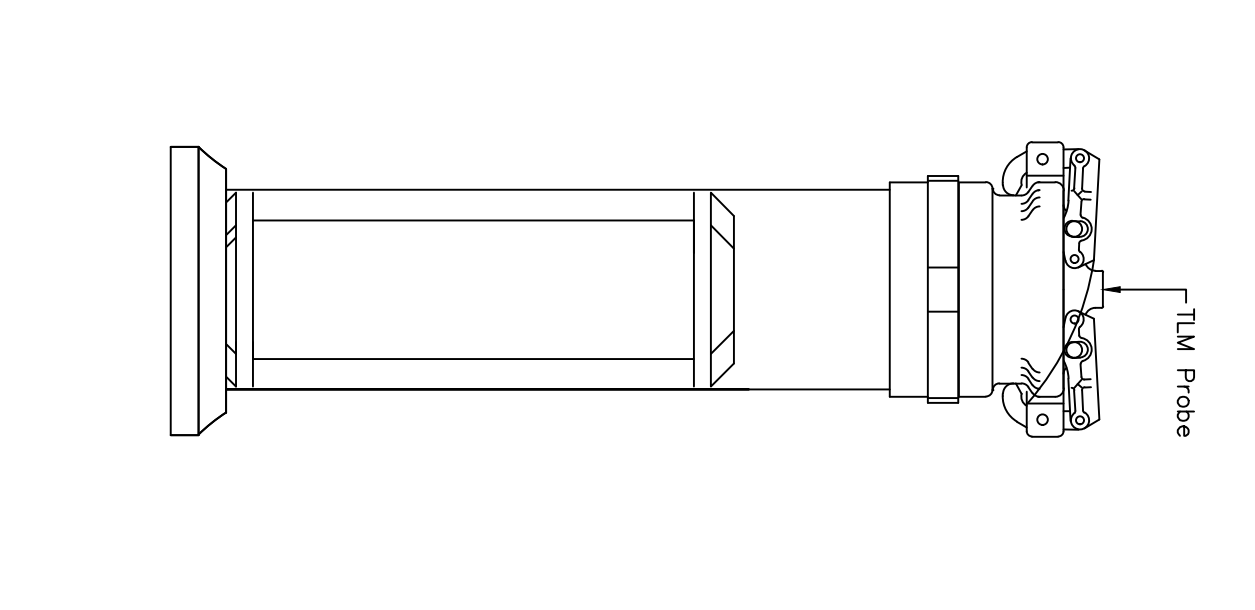
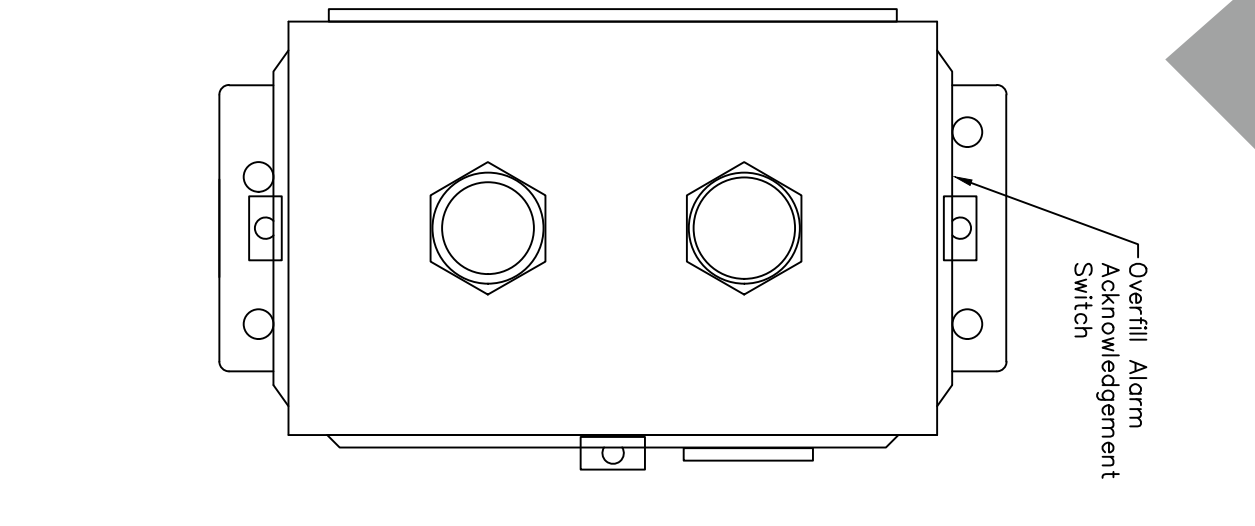
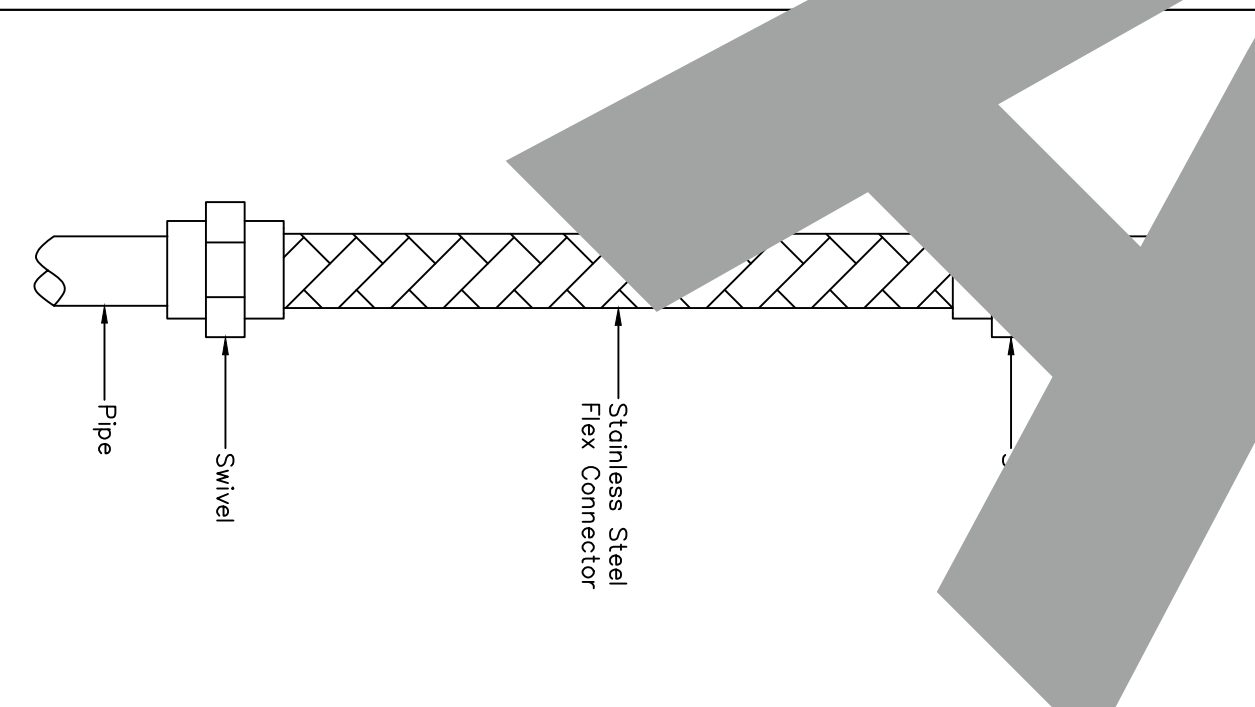
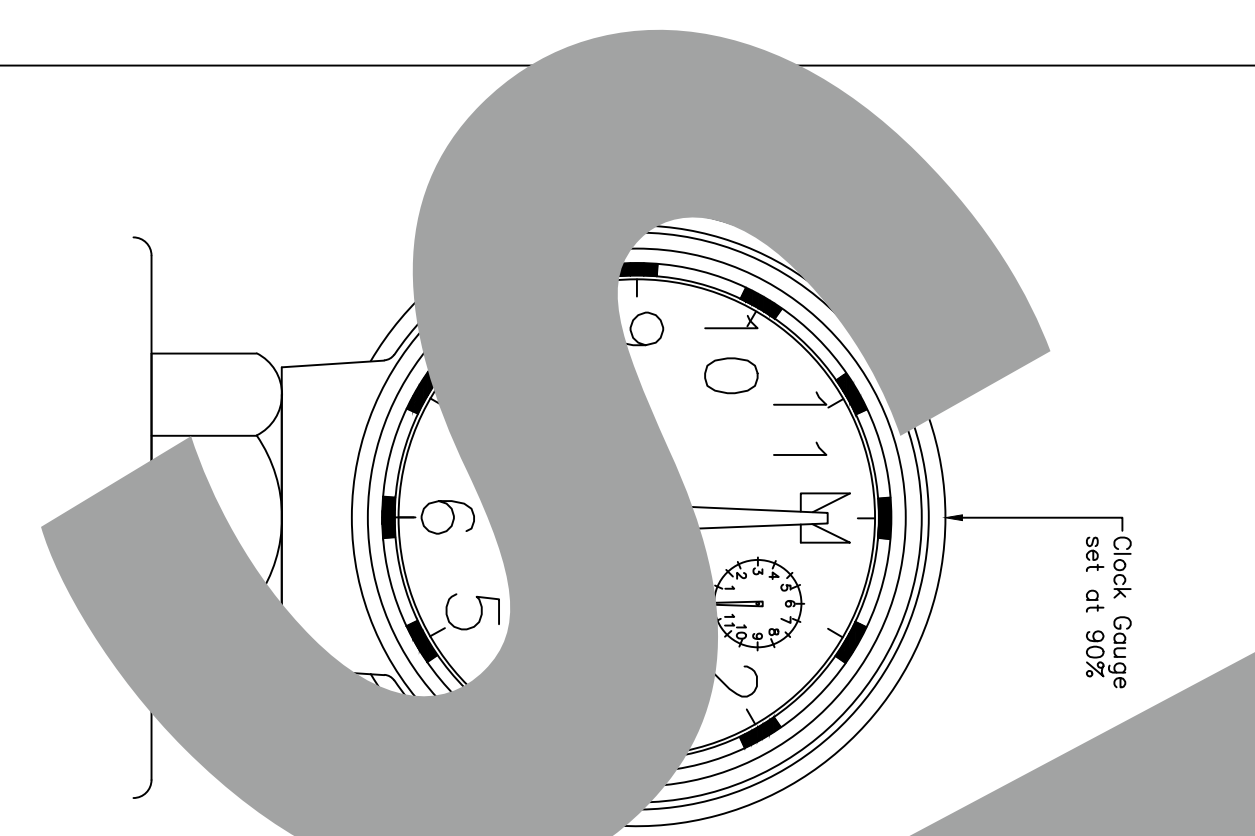
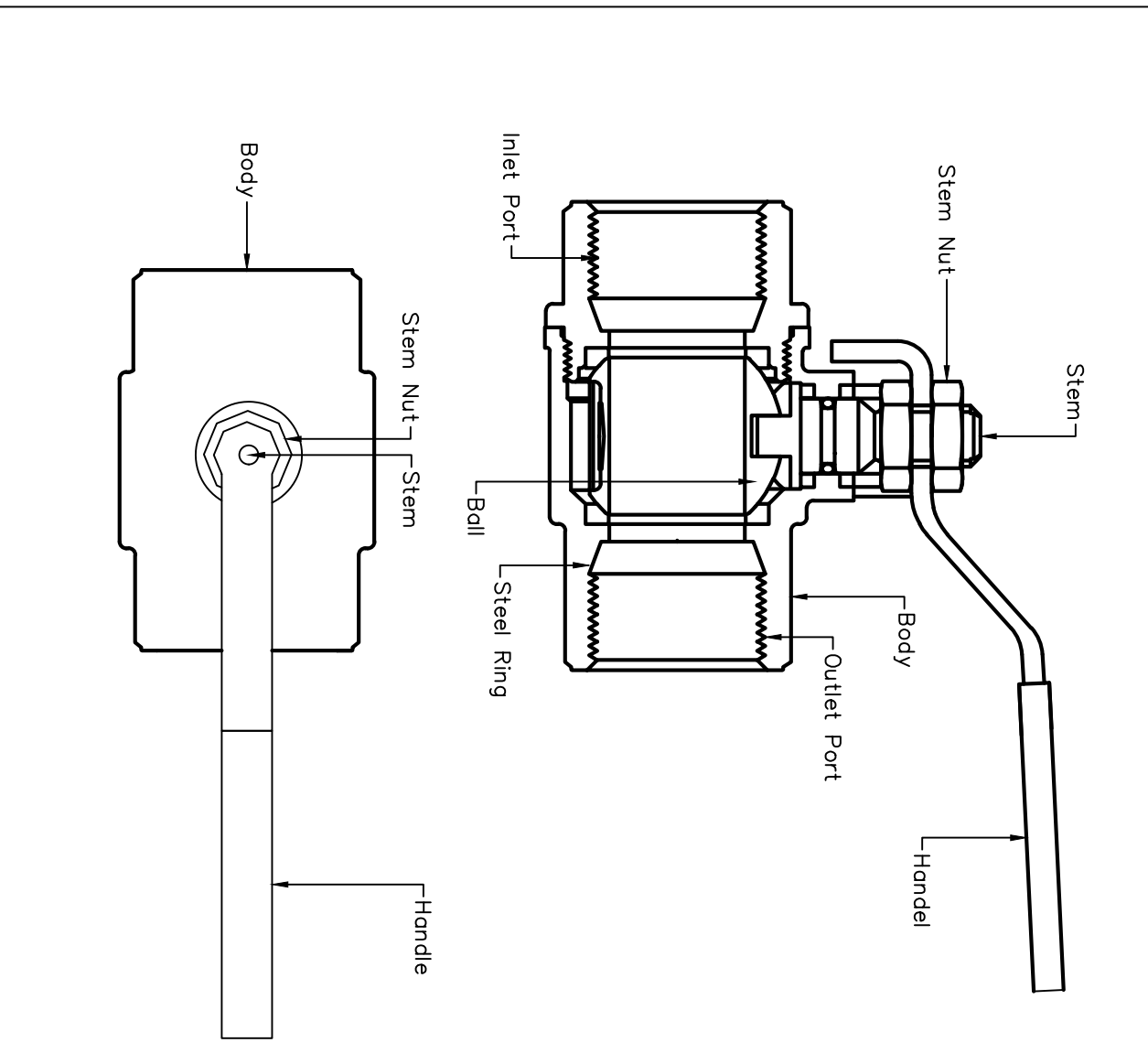
FIBERGLASS FITTING DETAIL	SCALE	5	PENETRATION DETAIL	SCALE	7
N.T.S.			N.T.S.		



SUMP DETAIL	SCALE	11
N.T.S.		



RED JACKET TURBINE DETAIL	SCALE	8
N.T.S.		



No.	Revision/Issue	Date

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Redding CA 96003

A-2

TANK DETAILS

Sheet Title

Project

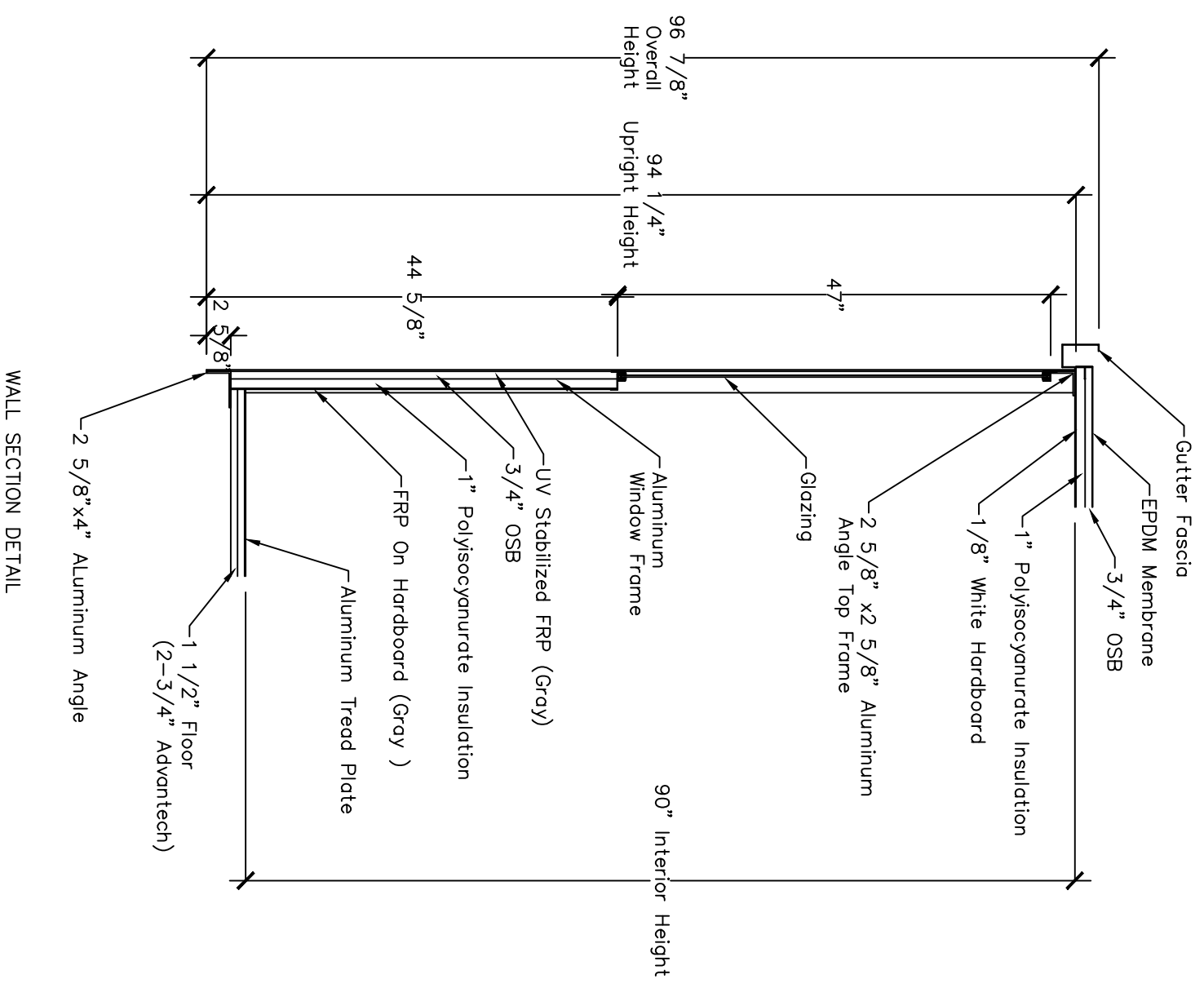
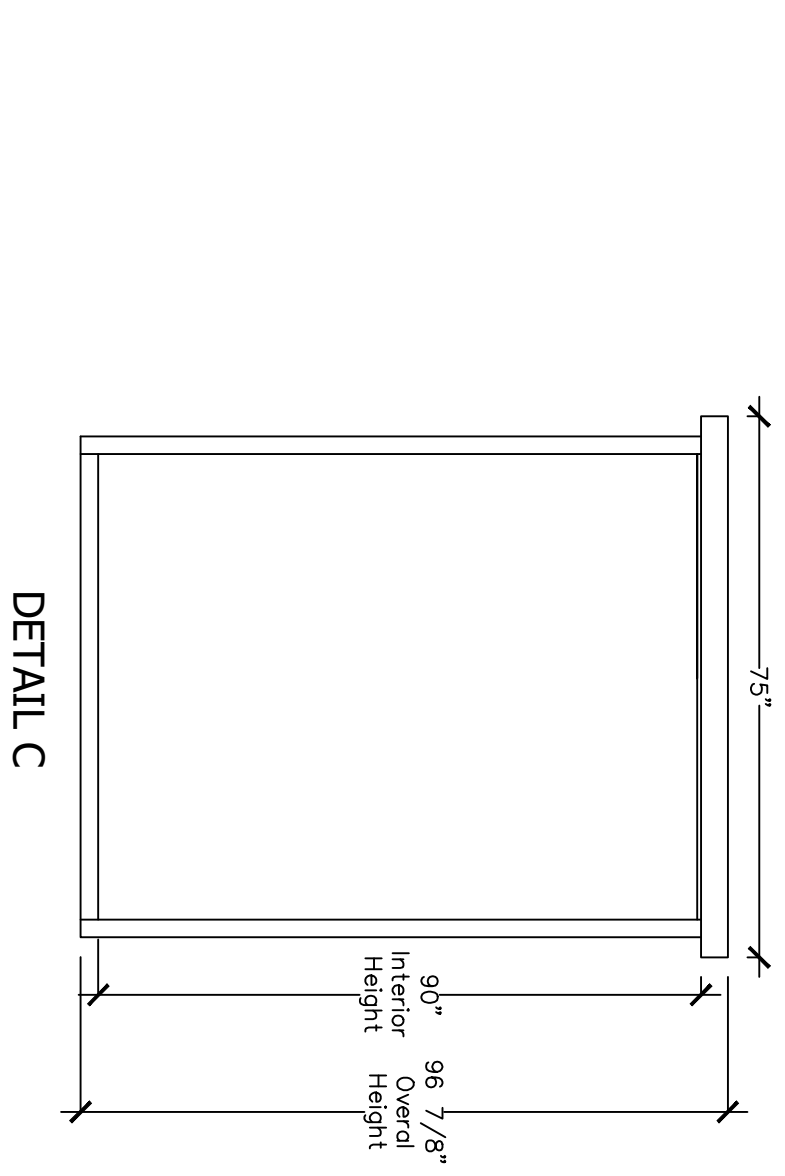
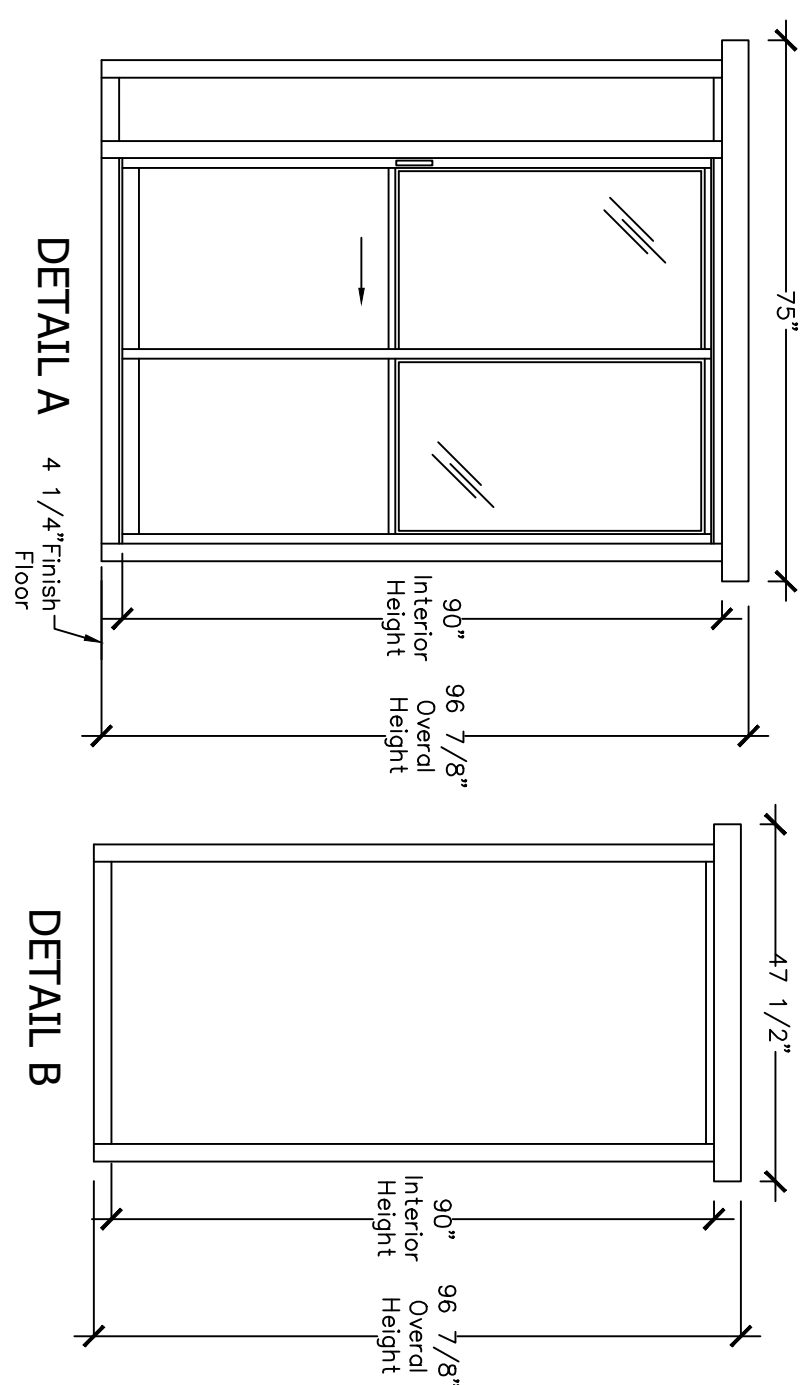
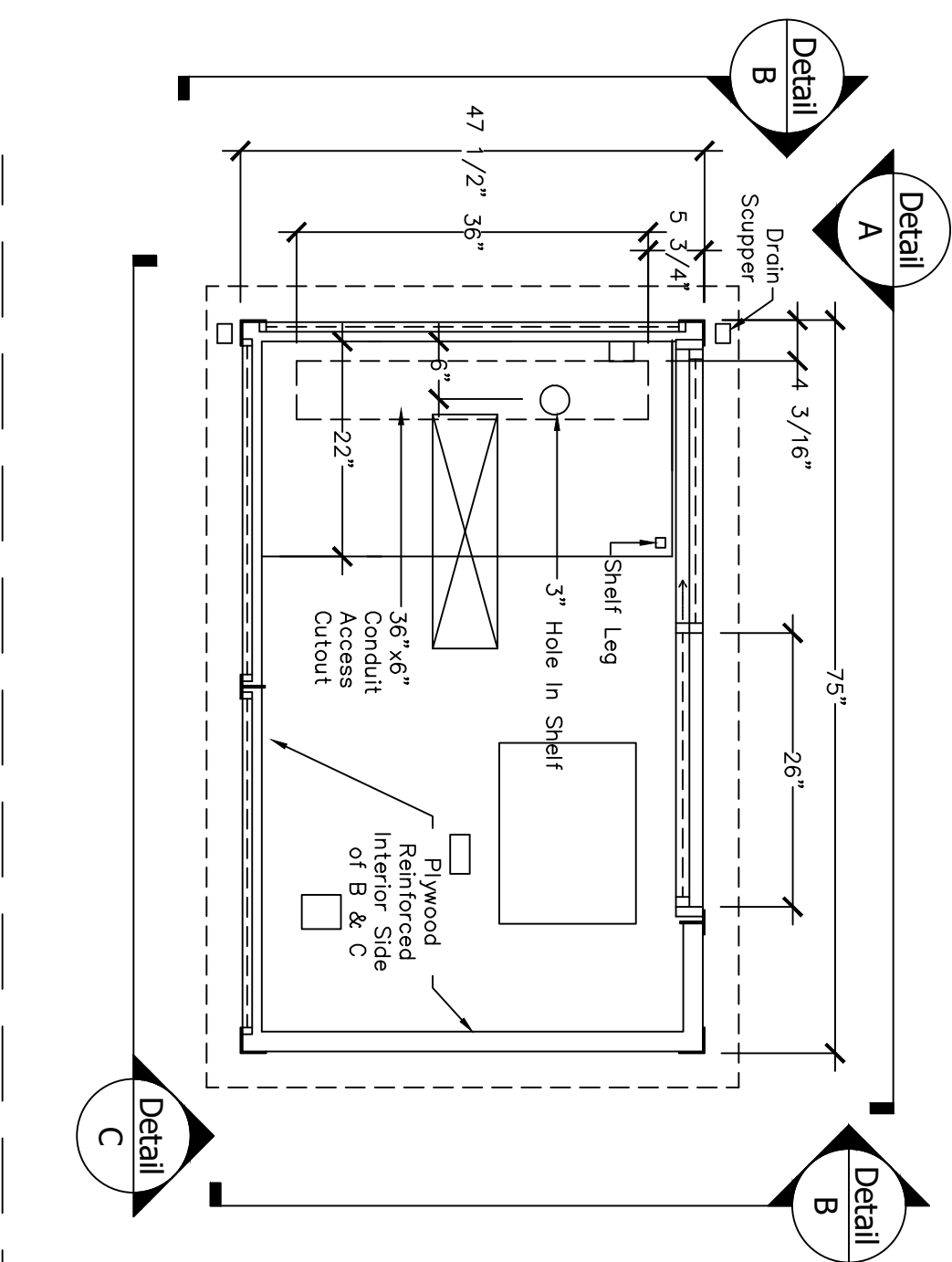
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Scale

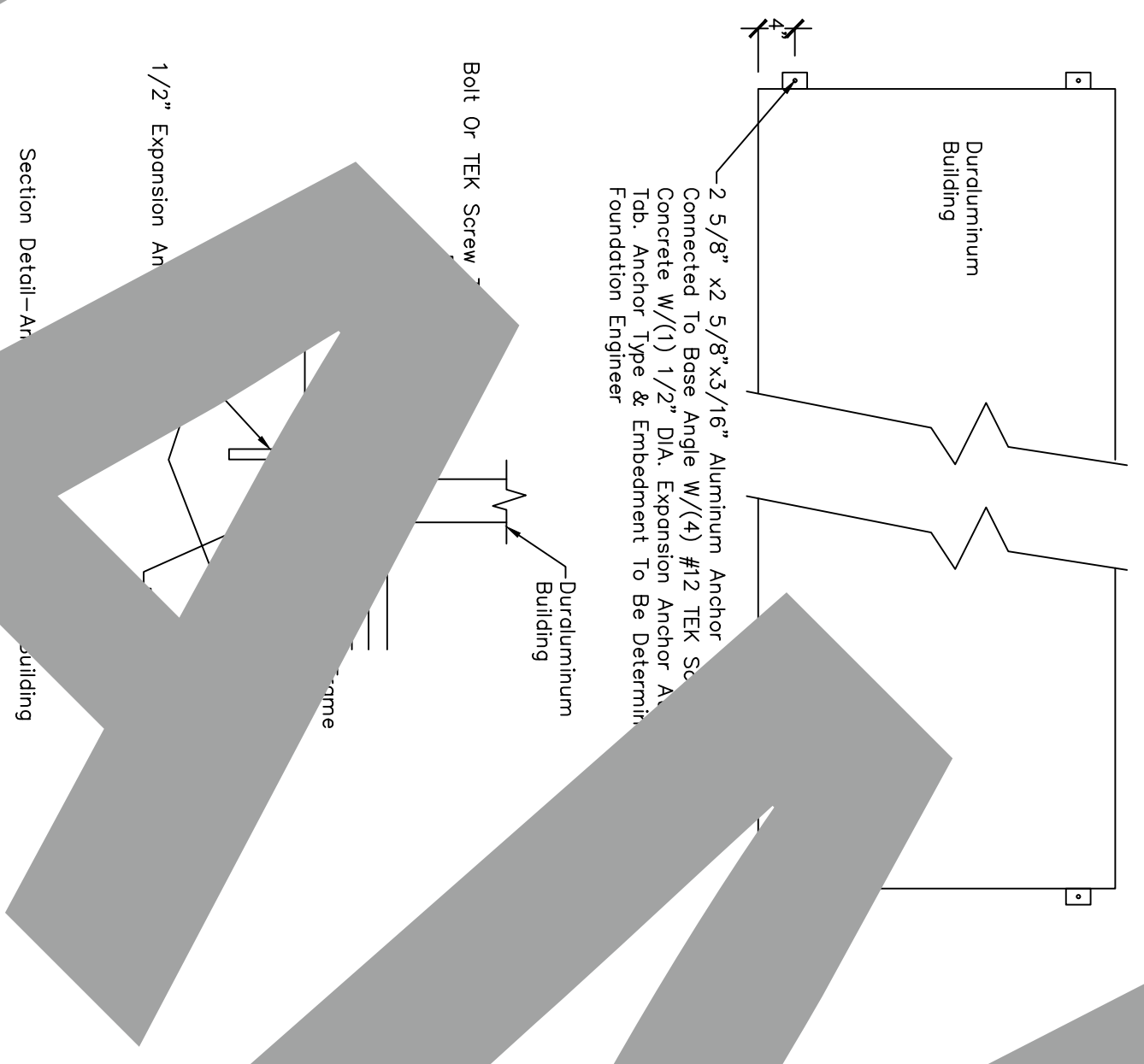
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A-2

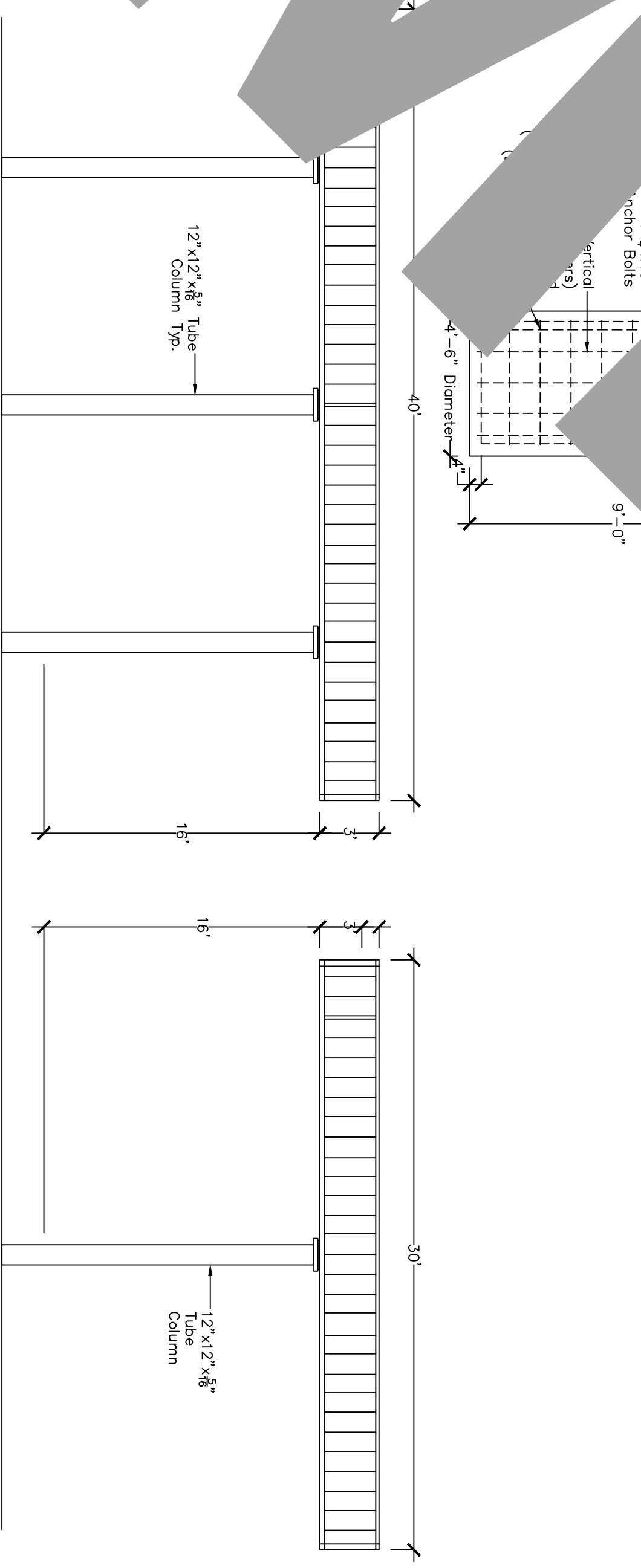
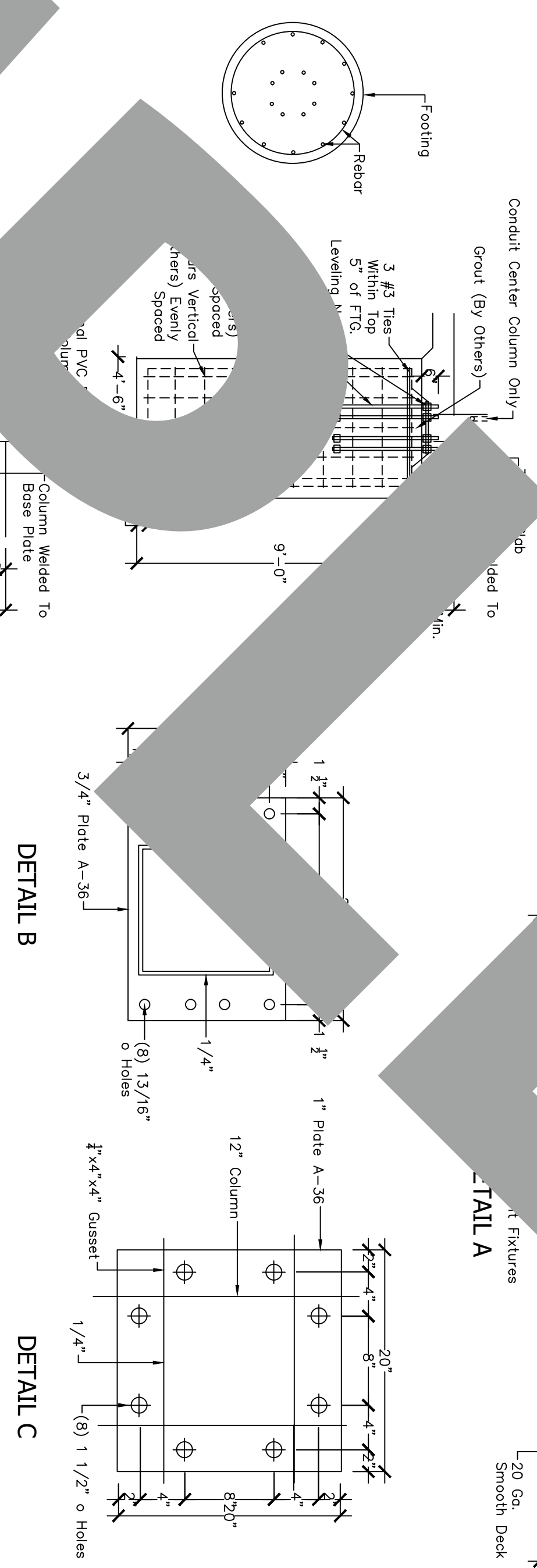
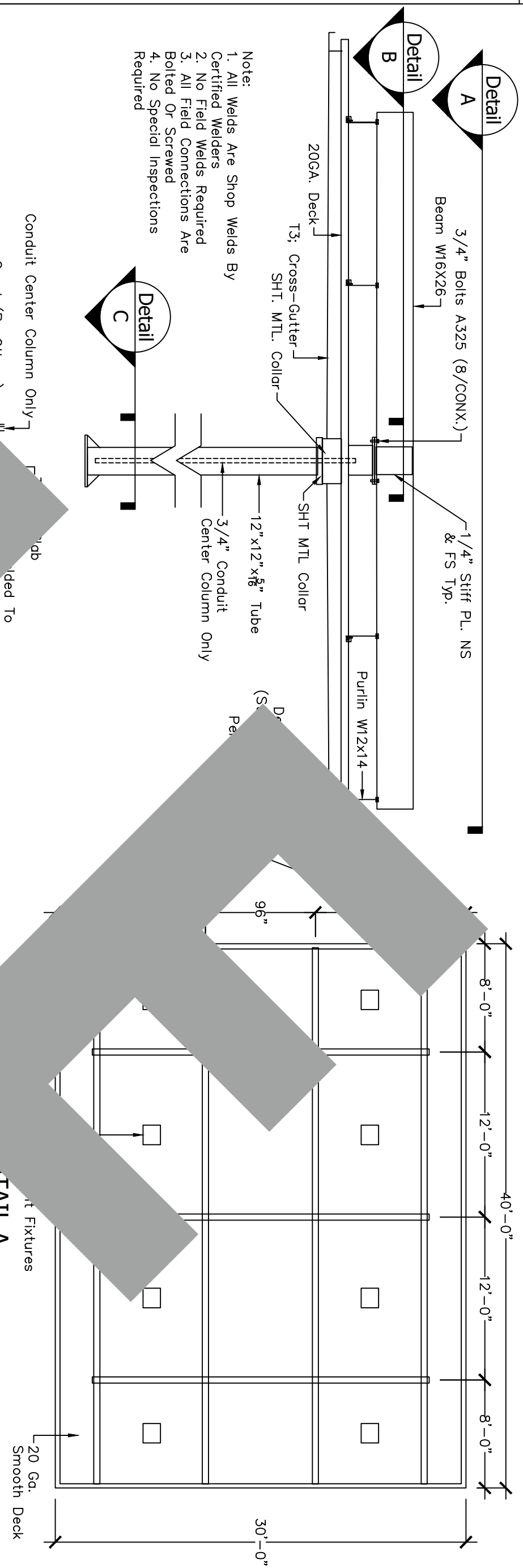
AS NOTED



- Durulmuşun Model De 76480SL FRP Building Notes: This Building will be Manufactured in accordance with Port-a-King's Standard Specifications for Durulmuşun Buildings.
1. 115V Duplex Outlets, 30 A.F.F.
 2. LED Work Around Light Fixture with Pujl Chain
 3. 22 Degree Gray Painted Steel Sheet, .38 A.F.F. with Support Legs
 4. E15 90x60 B.U. Ceiling Mount Header
 5. 90 Interior Height
 6. 90 Interior Height
 7. Gray UV Stabilized FRP Exterior Finish / Gray FRP on Hardboard Interior Finish
 8. 1 - 6068 Bottom Tread Slide Door w/ Half Glass, Mortise Lock and Hardware
 9. HANDLING: 3/16 BRONZE TEMPERED GAUSS INSULATION - WALLS R-10
 10. ALUMINUM TREAD PLATE FLOOR
 11. (1) 36x66 FLOOR ACCESS CUTOUT
 12. PLWOOD REINFORCED PANEL ON ELEVATION B (INTERIOR SIDE)



PORTAKING	SCALE		1
	N.T.S.		
DETAIL			



Note: Canopy to be provided by the client

CANOPY DETAIL	SCALE	2
	N.T.S.	

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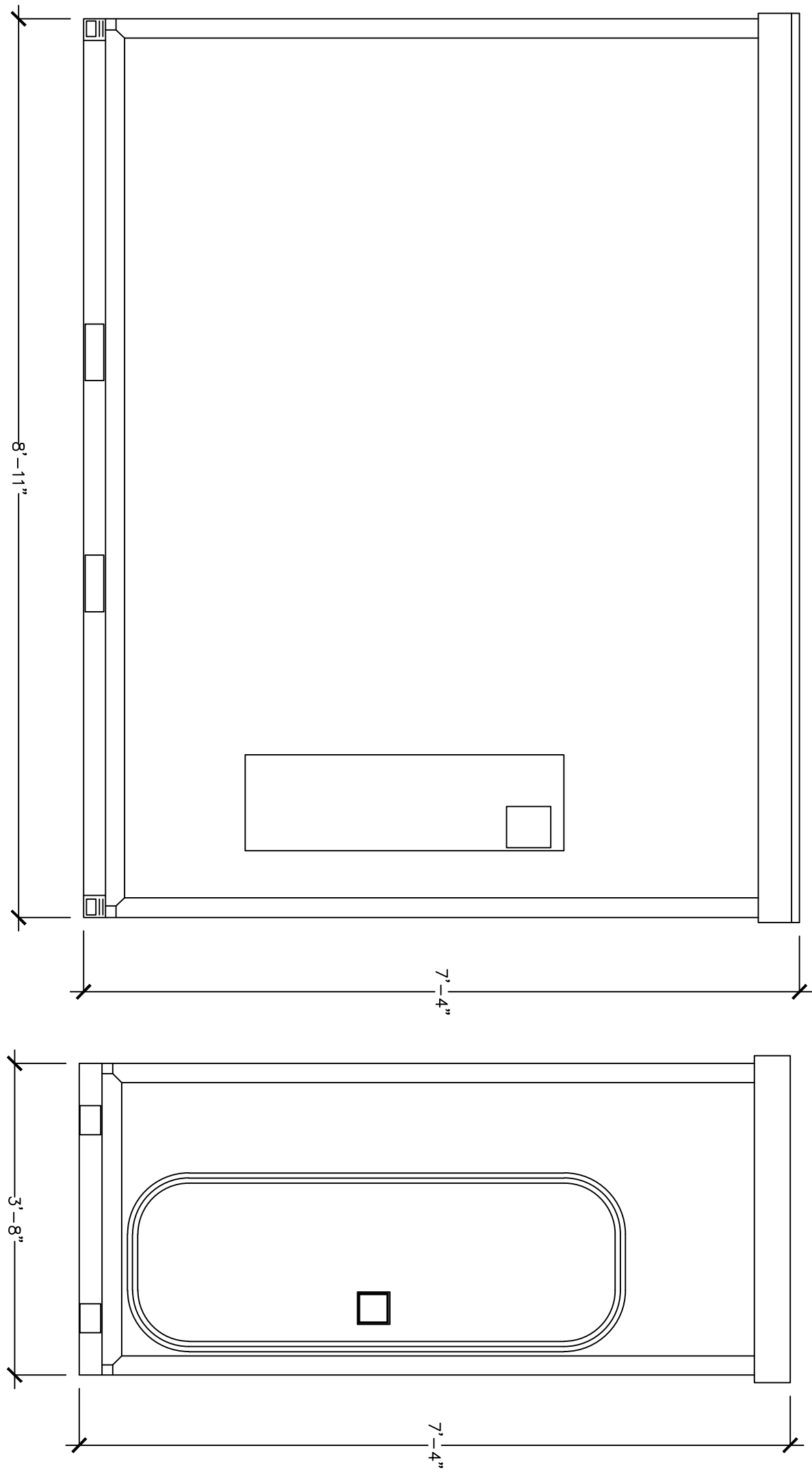
No.	Revision/Issue	Date

A-3

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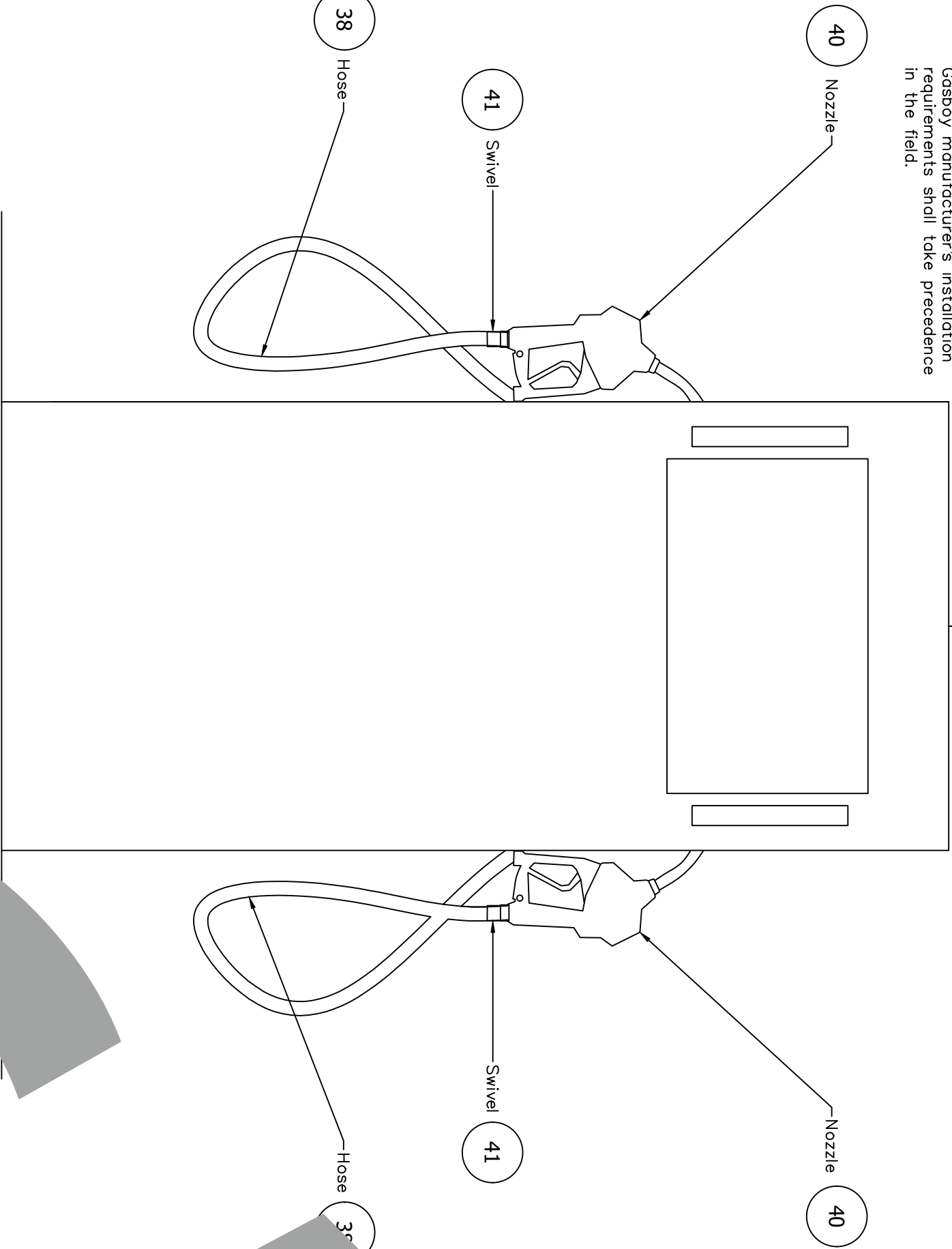
KIOSK & CANOPY DETAILS

Project	Sheet
Date	A-3
Scale	

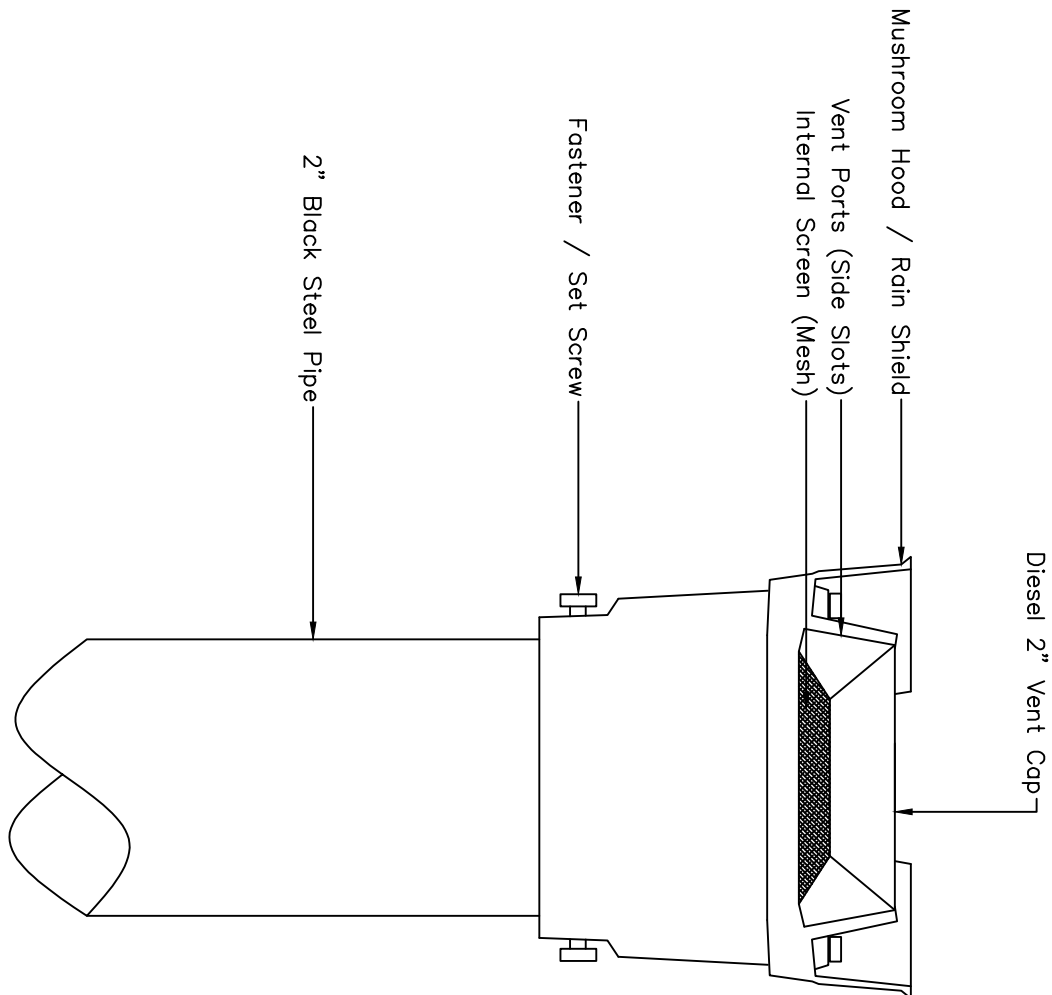


500G BLUE1 DEF SCALE 1 N.T.S.

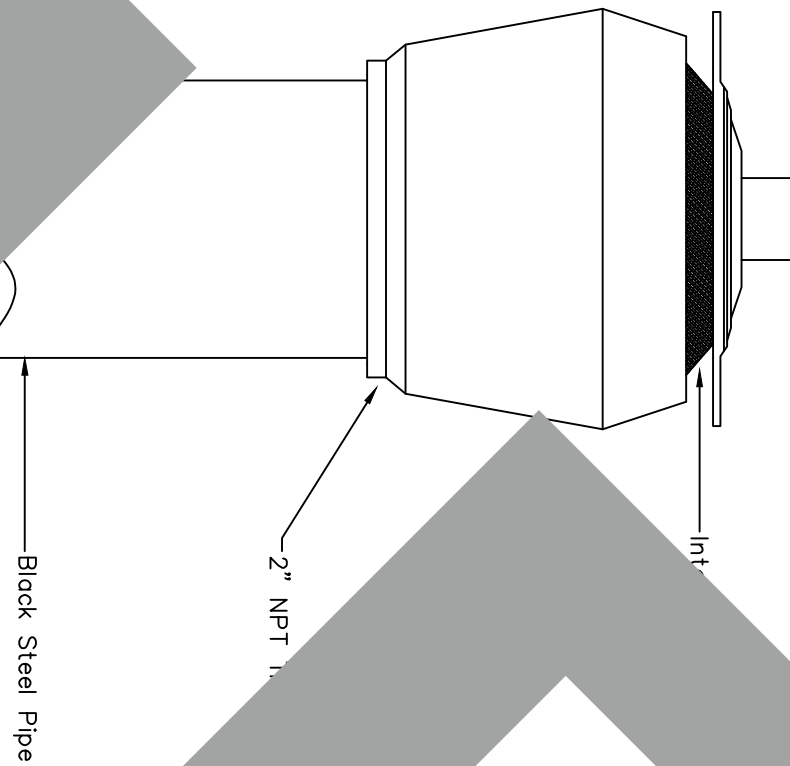
NOTE FOR DISPENSER ANCHORAGE:
Provide minimum (4) 1/2"Ø anchor bolts with 4" minimum embedment into concrete island/slab. Final anchorage to be confirmed with actual equipment. Gasboy dispensers shall meet all applicable code requirements in the field.



GASBOY DISPENSER SCALE 4 N.T.S.



DIESEL VENT CAP SCALE 1 N.T.S.



GASOLINE VENT CAP SCALE 1 N.T.S.



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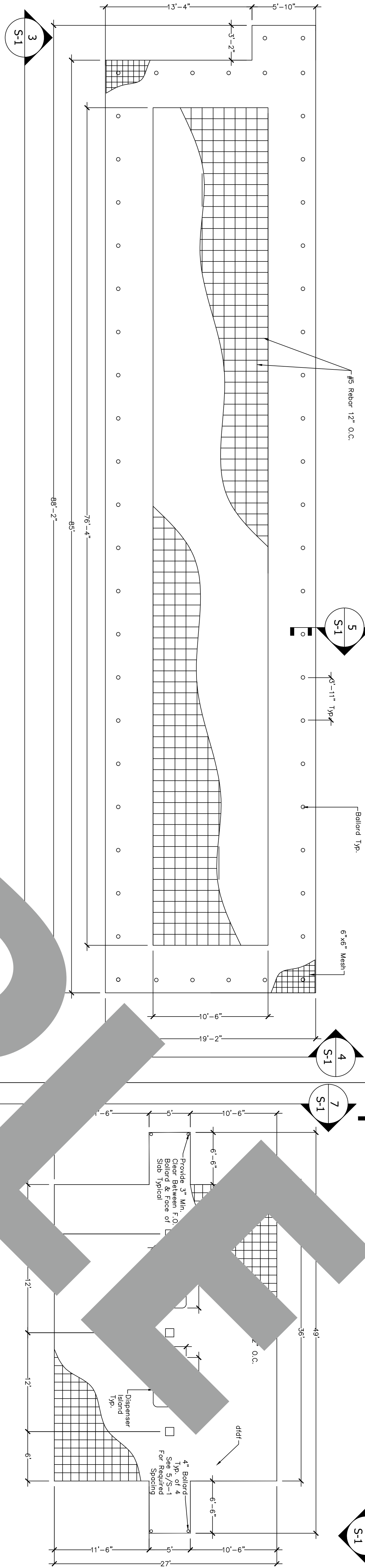
**1155 Old Oregon Trail
Redding CA 96003**

No.	Revision/Issue	Date

A-4

**DEF & TANK
DETAILS**

Project	Sheet
Date	A-4
Scale	AS NOTED

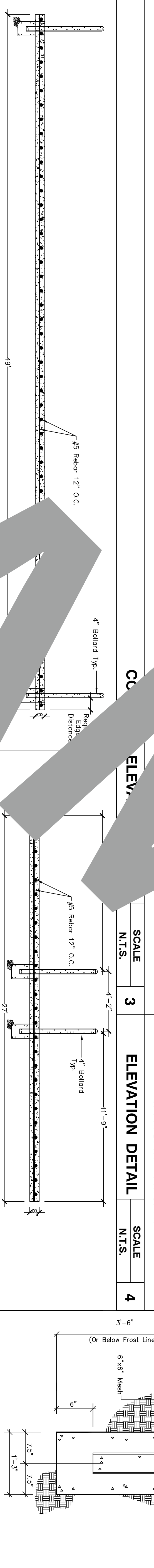
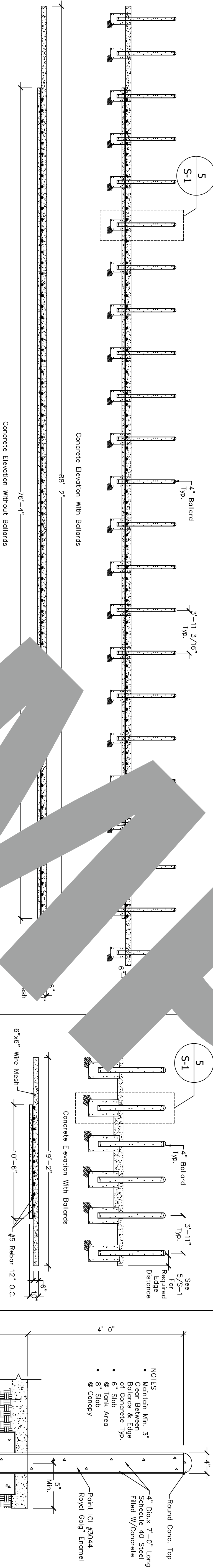


TANK PAD PLAN

SCALE N.T.S.

DRIVE SLAB DETAIL

SCALE N.T.S.



CONCRETE AND REINFORCING STEEL

1. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14 AND 2022 CALIFORNIA BUILDING CODE.
2. THE MINIMUM 28 DAY STRENGTH SHALL BE AS FOLLOWS: 5000 PSI (W/C RATIO 0.50) FOR SLABS AND 5500 PSI (W/C RATIO 0.50) FOR WALLS AND COLUMNS.
3. CONCRETE SHALL CONFORM TO ASTM C-150, TYPE I OR II.
4. CONCRETE AGGREGATES: NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C-33.
5. REINFORCING SHALL CONFORM TO ASTM A615, GRADE 60.
6. REINFORCING SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED.
7. "MANUAL OF STANDARD PRACTICE OF REINFORCED CONCRETE CONSTRUCTION" BY THE PORTLAND CEMENT ASSOCIATION (PCA) SHALL BE USED FOR ALL REINFORCING DETAILS.
8. ALL BARS SHALL HAVE A CLASS B MINIMUM LAP UNLESS OTHERWISE NOTED.
9. REMOVE ALL DEBRIS FROM THE FORMS BEFORE PLACING ANY CONCRETE.
10. REINFORCING SHALL BE PLACED IN THE FORMS BEFORE PLACING ANY CONCRETE.
11. MAXIMUM FREE FALL OF CONCRETE SHALL BE 4'-0".
12. LEAD DOCUMENTATION (CONTRACTOR OPTION) FOR FOUNDATIONS, SLABS ON GRADE AND FILL OVER DECK SLABS.

DESIGN CRITERIA:

1. CODE: CALIFORNIA BUILDING CODE (2022)
2. LIVE LOADS: 20 PSF (RESIDENTIAL), 40 PSF (COMMERCIAL), 100.0 PSF (RETAIL)
3. WIND: ASCE 7-16, 150 PSF, $F_v = 2500$ PSI (W/C RATIO 0.50)
4. NA
5. SEISMIC: 2019 CBC, 0.5, 0.3, 1.0
6. S₁ = 0.3, S₂ = 0.3, S₃ = 0.3
7. V = $\frac{R}{I_e} = 0.5$
8. A) ALL BARS SHALL HAVE A CLASS B MINIMUM LAP UNLESS OTHERWISE NOTED.
9. SEE TABLE "REINFORCEMENT LAP SPLICES" ON THIS SHEET, AT APART FROM THE FOUNDATION.
10. DOWN IN VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH THE SAME SIZE REINFORCING.
11. REMOVE ALL DEBRIS FROM THE FORMS BEFORE PLACING ANY CONCRETE.
12. REINFORCING SHALL BE PLACED IN THE FORMS BEFORE PLACING ANY CONCRETE.
13. MAXIMUM FREE FALL OF CONCRETE SHALL BE 4'-0".
14. LEAD DOCUMENTATION (CONTRACTOR OPTION) FOR FOUNDATIONS, SLABS ON GRADE AND FILL OVER DECK SLABS.

GENERAL NOTES:

1. CONSTRUCTION SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE.
2. NOTES AND DETAILS ON TYPICAL SHEETS SHALL BE USED FOR ALL DETAILS.
3. DIFFERENT CONSTRUCTION DETAILS MAY BE REQUIRED FOR A SIMILAR CONDITION.
4. ALL SPECIAL INSPECTION & TESTING AGENCIES SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER WITHIN TWO WEEKS OF PERFORMANCE OF INSPECTION OR TEST.
5. Required for Post Installed Anchors — Verification of Anchor size, Depth and torque

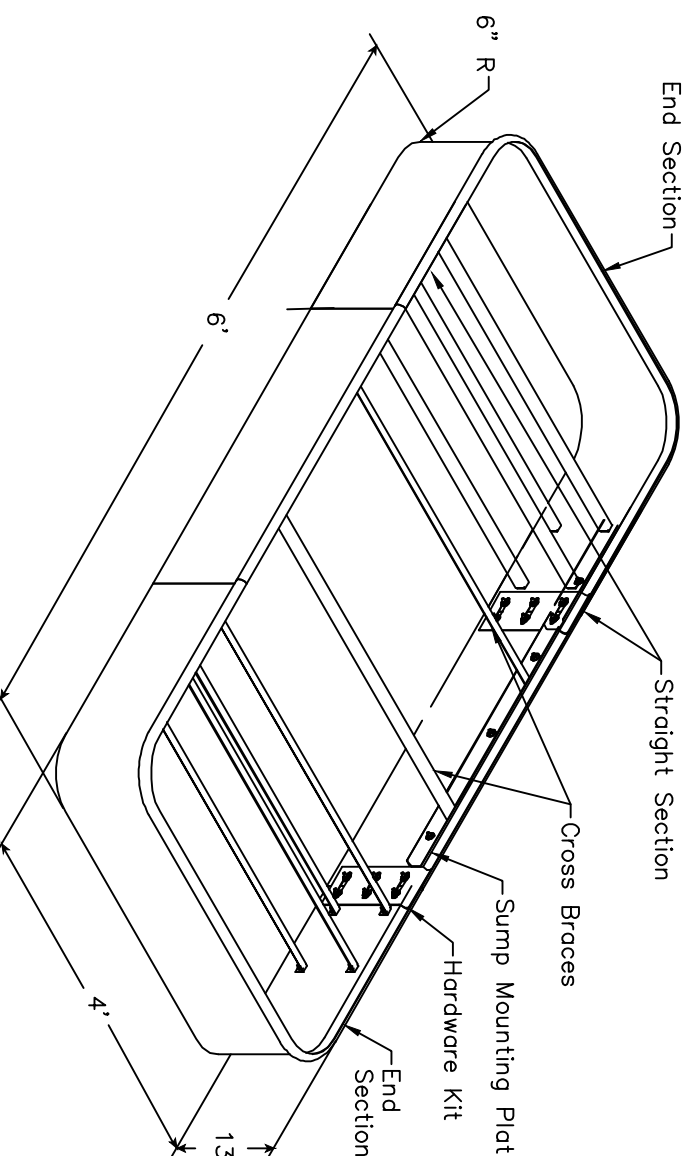
POST-INSTALLED ANCHORS:

1. POST-INSTALLED ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE ESR REPORT.
2. THE MINIMUM 28 DAY STRENGTH SHALL BE AS FOLLOWS: 5000 PSI (W/C RATIO 0.50) FOR SLABS AND 5500 PSI (W/C RATIO 0.50) FOR WALLS AND COLUMNS.
3. WIND: ASCE 7-16, 150 PSF, $F_v = 2500$ PSI (W/C RATIO 0.50)
4. NA
5. SEISMIC: 2019 CBC, 0.5, 0.3, 1.0
6. S₁ = 0.3, S₂ = 0.3, S₃ = 0.3
7. V = $\frac{R}{I_e} = 0.5$
8. A) ALL BARS SHALL HAVE A CLASS B MINIMUM LAP UNLESS OTHERWISE NOTED.
9. SEE TABLE "REINFORCEMENT LAP SPLICES" ON THIS SHEET, AT APART FROM THE FOUNDATION.
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11. REMOVE ALL DEBRIS FROM THE FORMS BEFORE PLACING ANY CONCRETE.
12. REINFORCING SHALL BE PLACED IN THE FORMS BEFORE PLACING ANY CONCRETE.
13. MAXIMUM FREE FALL OF CONCRETE SHALL BE 4'-0".
14. LEAD DOCUMENTATION (CONTRACTOR OPTION) FOR FOUNDATIONS, SLABS ON GRADE AND FILL OVER DECK SLABS.

REINFORCEMENT LAP SPLICE LENGTHS (IN INCHES)

F _c = 5000 PSI AT 28 DAYS		REINFORCEMENT SIZE (GRADE, UNO)										
CLASS	REINFORCEMENT	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13
A	TOP	21	28	37	46	63	82	104	132	162	201	240
A	BOTTOM	16	22	27	35	46	63	80	102	125	156	188
B	TOP	27	36	45	60	82	107	135	172	210	258	306
B	BOTTOM	21	29	37	46	63	82	104	132	162	201	240

1. TOP REINFORCING IS HORIZONTAL REINFORCEMENT THAT HAS MORE THAN TWELVE INCHES OF CONCRETE PLACED BELOW IT.
2. LAP SPLICE LENGTHS ABOVE ARE BASED ON CRSI CATEGORY 3.
3. WHERE CENTER TO CENTER SPACING BETWEEN BARS BEING LAP SPLICED IS LESS THAN OR EQUAL TO 3 BAR DIAMETERS OR CLEAR BAR COVER IS LESS THAN OR EQUAL TO 1 BAR DIAMETER, INCREASE LAP SPLICE LENGTH 45% (CRSI CATEGORY 1).
4. ALL REBAR TO BE WELDED SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED LABORATORY.



RAISED STEEL ISLAND FORM

SCALE N.T.S.

6



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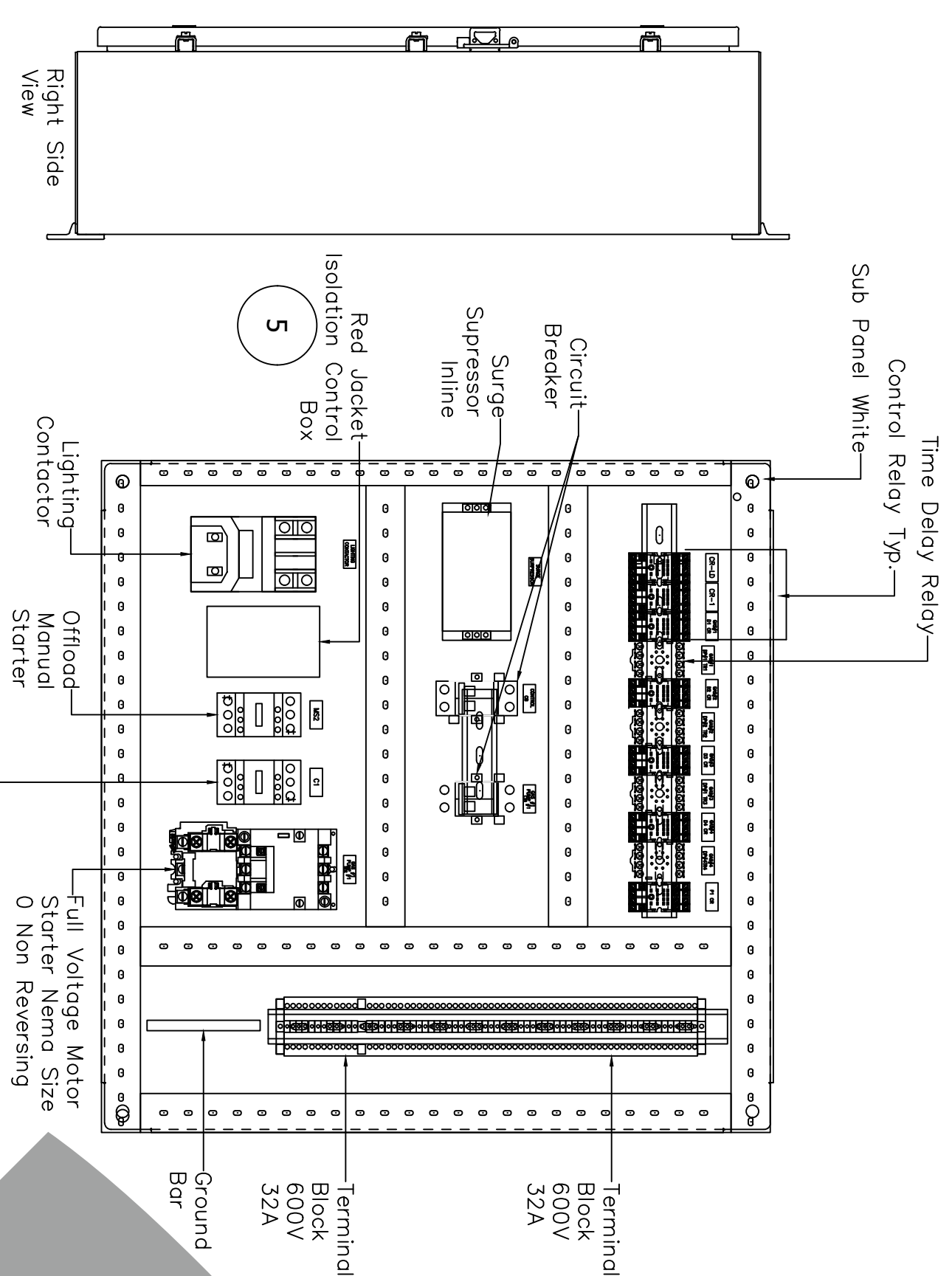
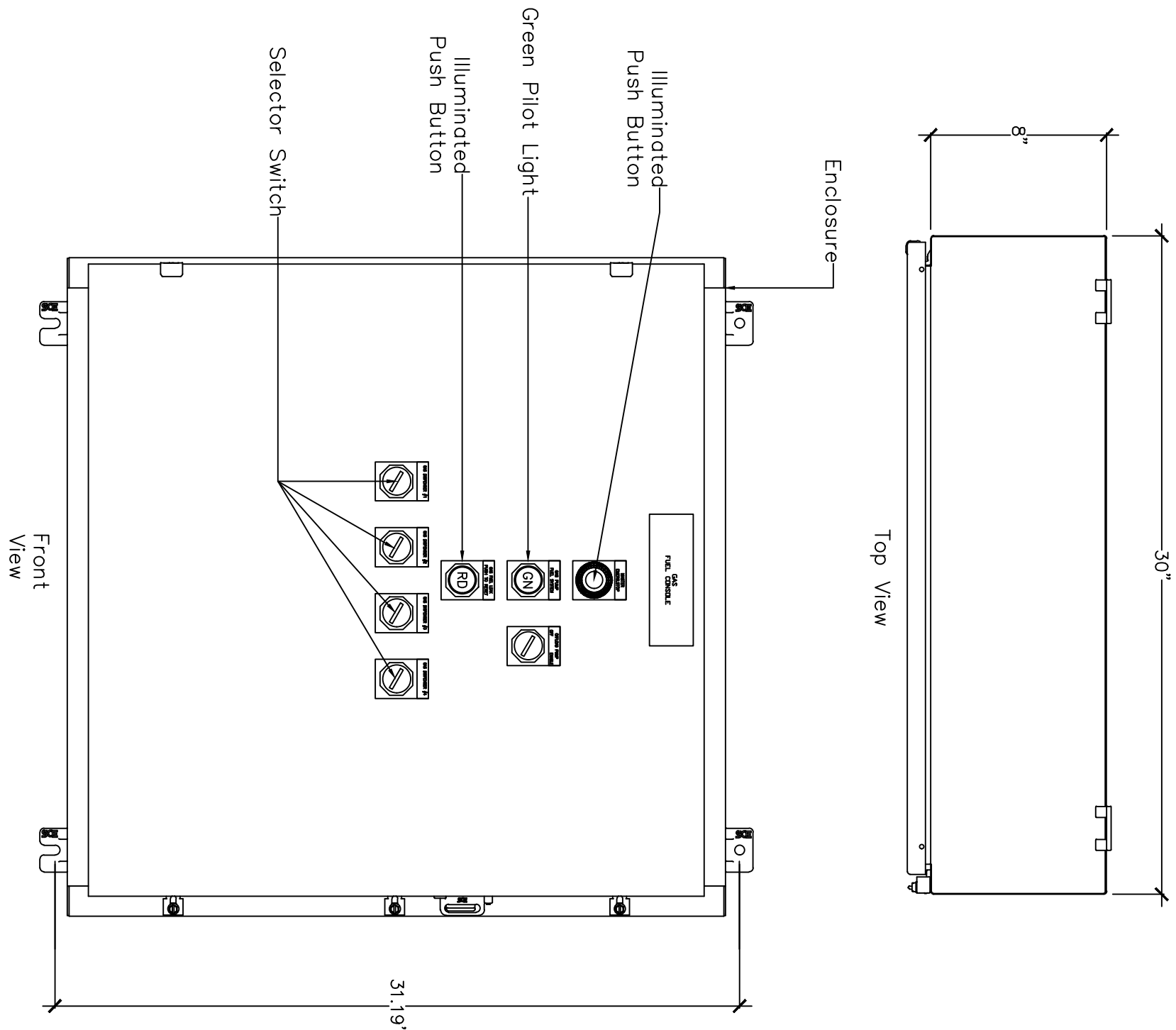
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No.	Revision/Issue	Date

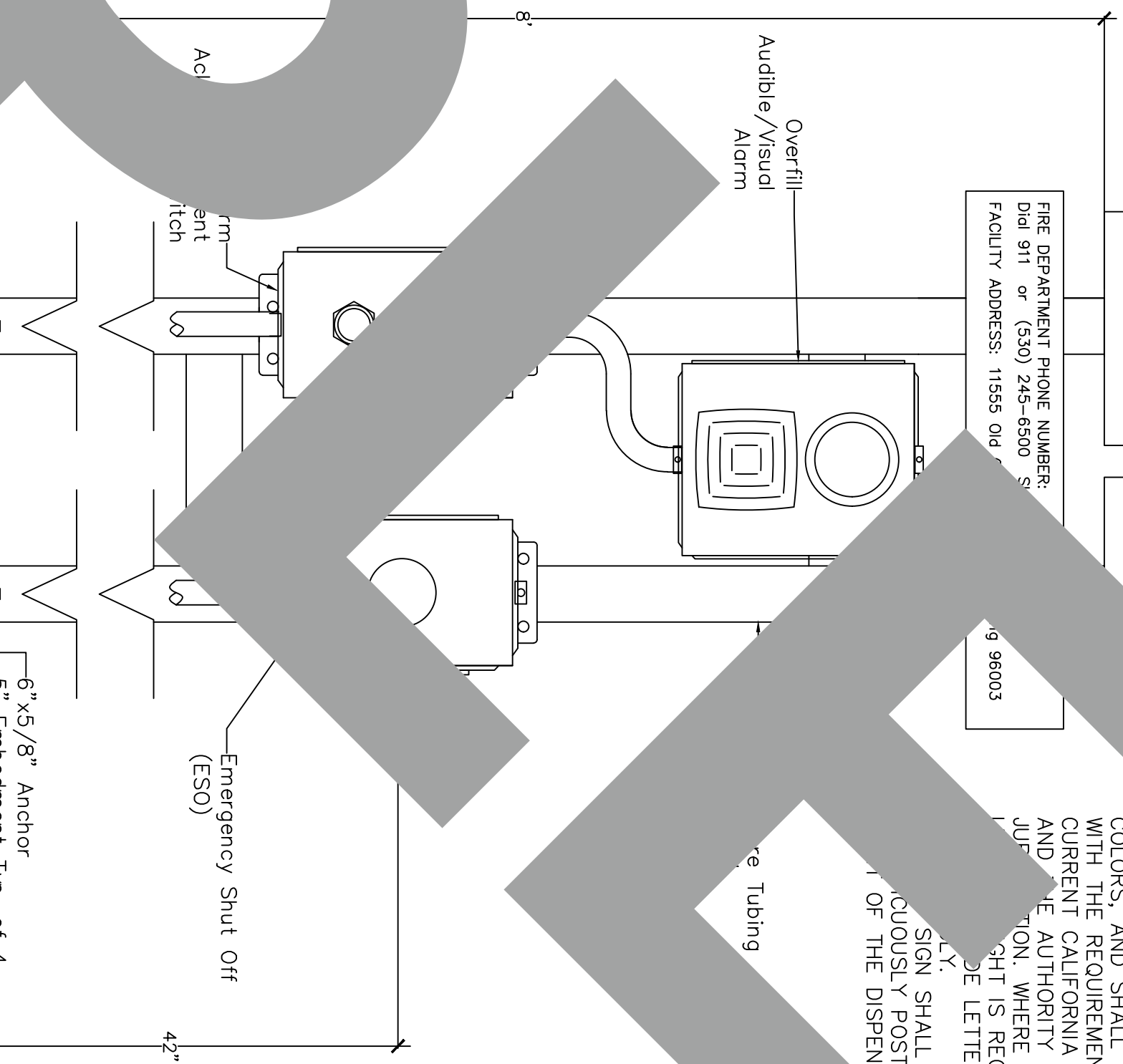
S-1

Concrete Details

Project	Sheet
8/8/2025	S-1
Score	AS NOTED



Subpanel Front View



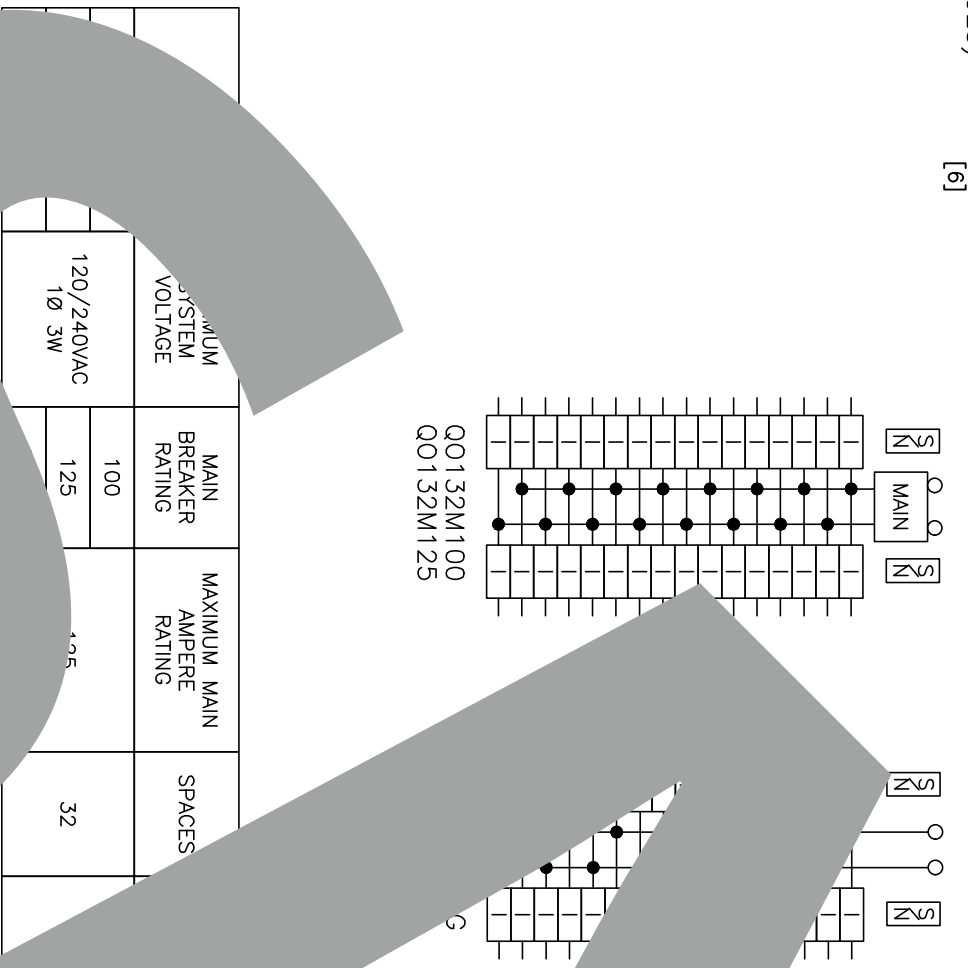
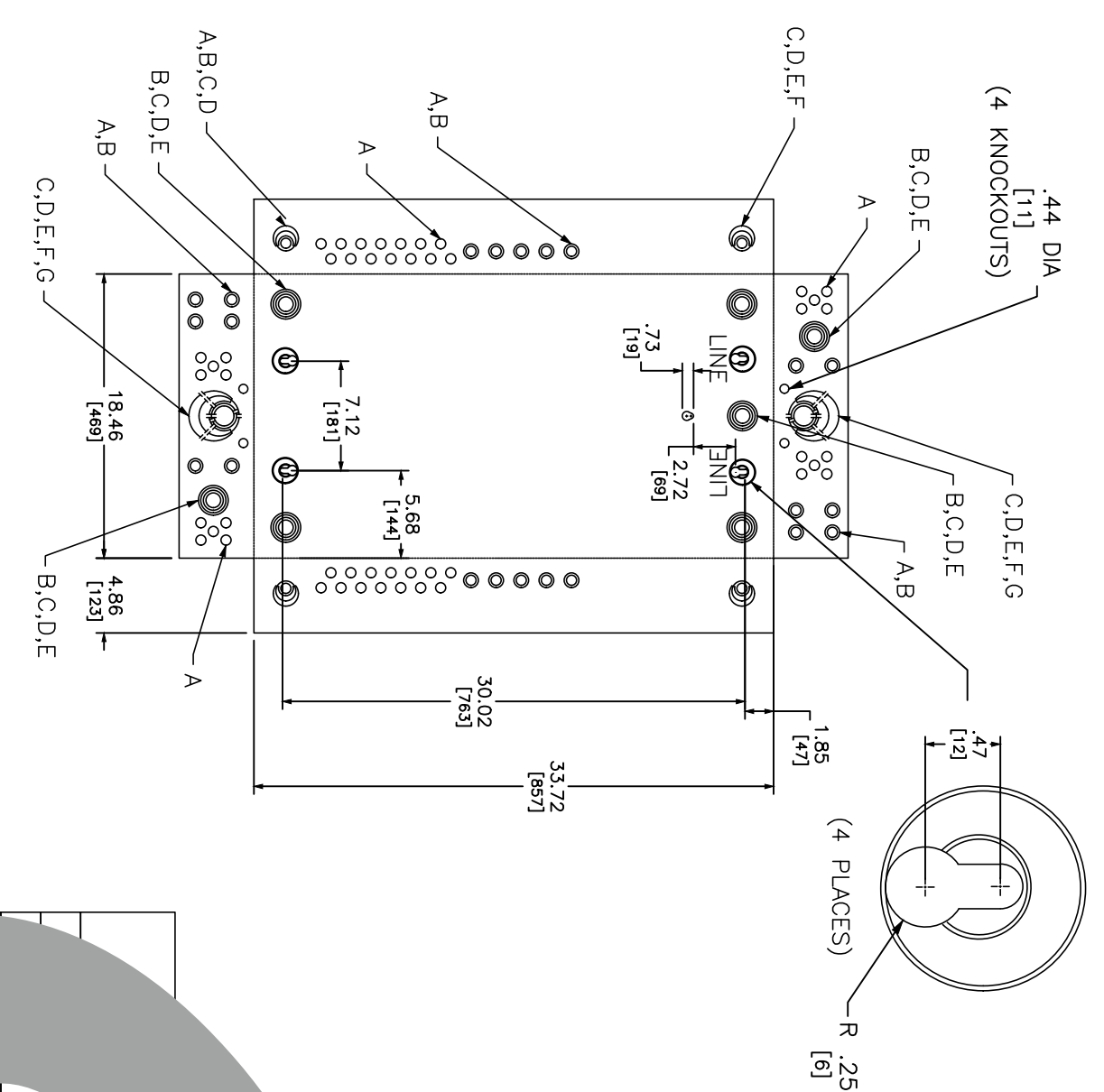
PKM DETAIL

ESO/OVERFILL ALARM RACK

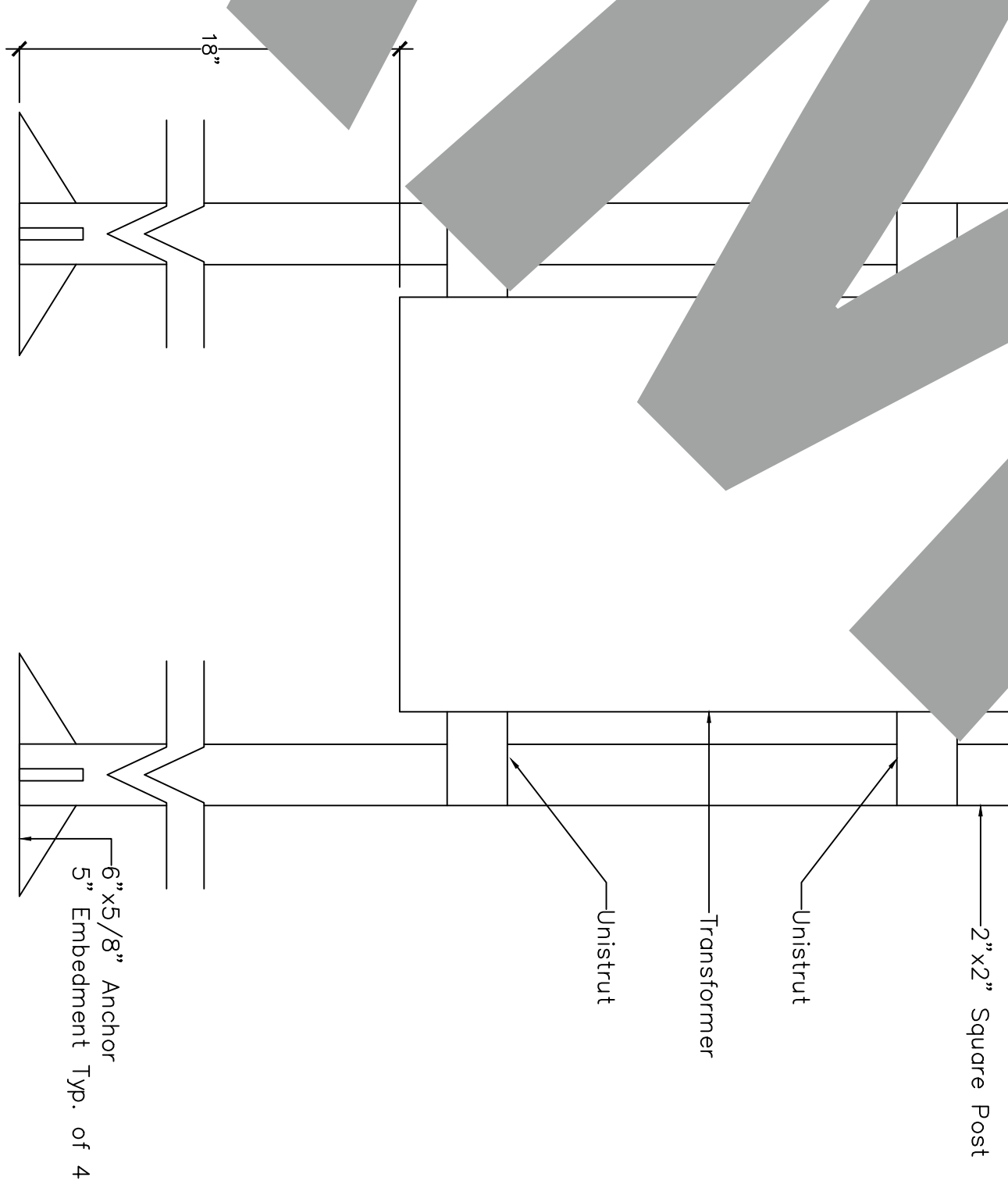
SCALE

N.T.S.

2



INCHES	MILLIMETERS
A	1/8
B	1/4
C	3/8
D	1/2
E	5/8
F	3/4
G	7/8



TRANSFORMER RACK DETAIL

SCALE

N.T.S.

4

100 AMP SUB PANEL DETAIL

SCALE

N.T.S.

3

NOTES:
1. GRAY PAINTED ENAMEL, ELECTRODEPOSITED OVER CLEANED PHOSPHATIZED STEEL.
2. FINISHED SURFACES SHALL BE PROTECTED WITH AN ANTI-RUST COMPOUND.
3. NEUTRALS - INSULATED GROUNDABLE.
4. LOADCENTERS WITH "5" IN CATALOG NUMBER INCLUDE FIELD INSTALLABLE EQUIPMENT GROUND BAR KIT.



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)

Shasta Community College

**1155 Old Oregon Trail
Redding CA 96003**

E-2

**PKM/ESO/
OVERFILL
ALARM/SUB
PANEL DETAILS**

Project	Sheet
Date	8/8/2025
Scale	As Noted