

Ellisville Water Main Rechlorination Station

Customer: Columbia County

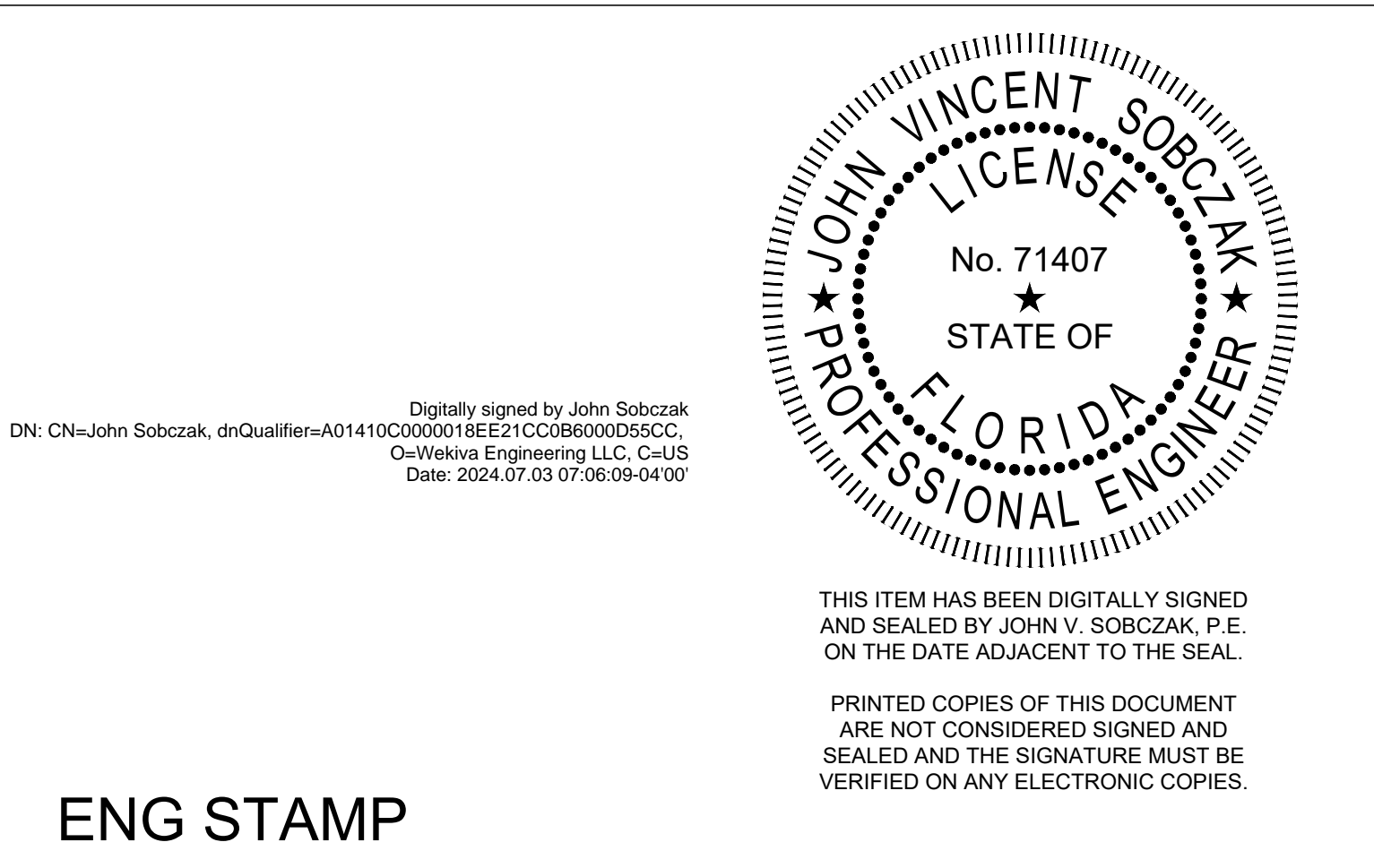
Manufacturer: Leesburg Concrete Company Inc.

1335 Thomas Ave, Leesburg Florida 34748
1-800-882-4177



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SD1.05.2	RP 1 Reinforcement

- General Notes
- Signed and sealed plans are on file with a third party agency
 - Plan review inspection required by chapter 633 F.S. shall be done on site by local fire safety inspector
 - FI Product Approval:
 - Doors: FL 14482-R12 or 16355-R5
 - Reinforcement to be 1 1/2" clear from all perimeter edges and in center of thickness unless shown otherwise
 - Welded wire fabric may be substituted for rebar mat



- Site installed items not by LCCI
- Foundation system
 - Plumbing, mechanical, electrical systems
 - Fire alarm systems
 - Gutters and downspouts
- Code standard requirements
 - 2023 Florida Building Code 8th Edition
 - 2023 Accessibility Code Florida 8th Edition
 - 2023 Mechanical, Plumbing Code Florida 8th Edition
 - 2023 Florida Fire Prevention Code Florida 8th Edition
 - 2020 NEC
 - ASCE 7-22
 - ASI318-14
 - PPCI 8th Edition
 - Steel Construction Manual
 - Florida Energy Code Exemption
 - FBC C101.4.2.4 Buildings (Exemption #2)
 - Loads
 - Roof Live Load: 60 PSF - Floor Live Load: 150 PSF
 - Wind Loading: 143 MPH (ASD)/ 185 MPH (Ultimate)
 - Seismic Design Catagory A
 - Wind Design Criteria
 - Risk Catagory III
 - Exposure Catagory C
 - Materials
 - Concrete =
 - Release = 2,500 PSI
 - 28 Day = 5,000 PSI
 - Rebar: ASTM A615, Grade 60
 - Welded Wire Fabric: ASTM A185, Grade 60 (WWR W4 x W4 - 3x3)
 - Utility
 - Construction Type V-B
 - Occupancy
 - Utility

DATE	DESCRIPTION	INI	REV #
5/22/2023	For Architectural Review		1
7/2/2024	For Structural Review		2

Rechlorination Station

Scale
Drawn By SDU
Issue Date 7/2/2024 10:16:29 AM
Cover
A0.00

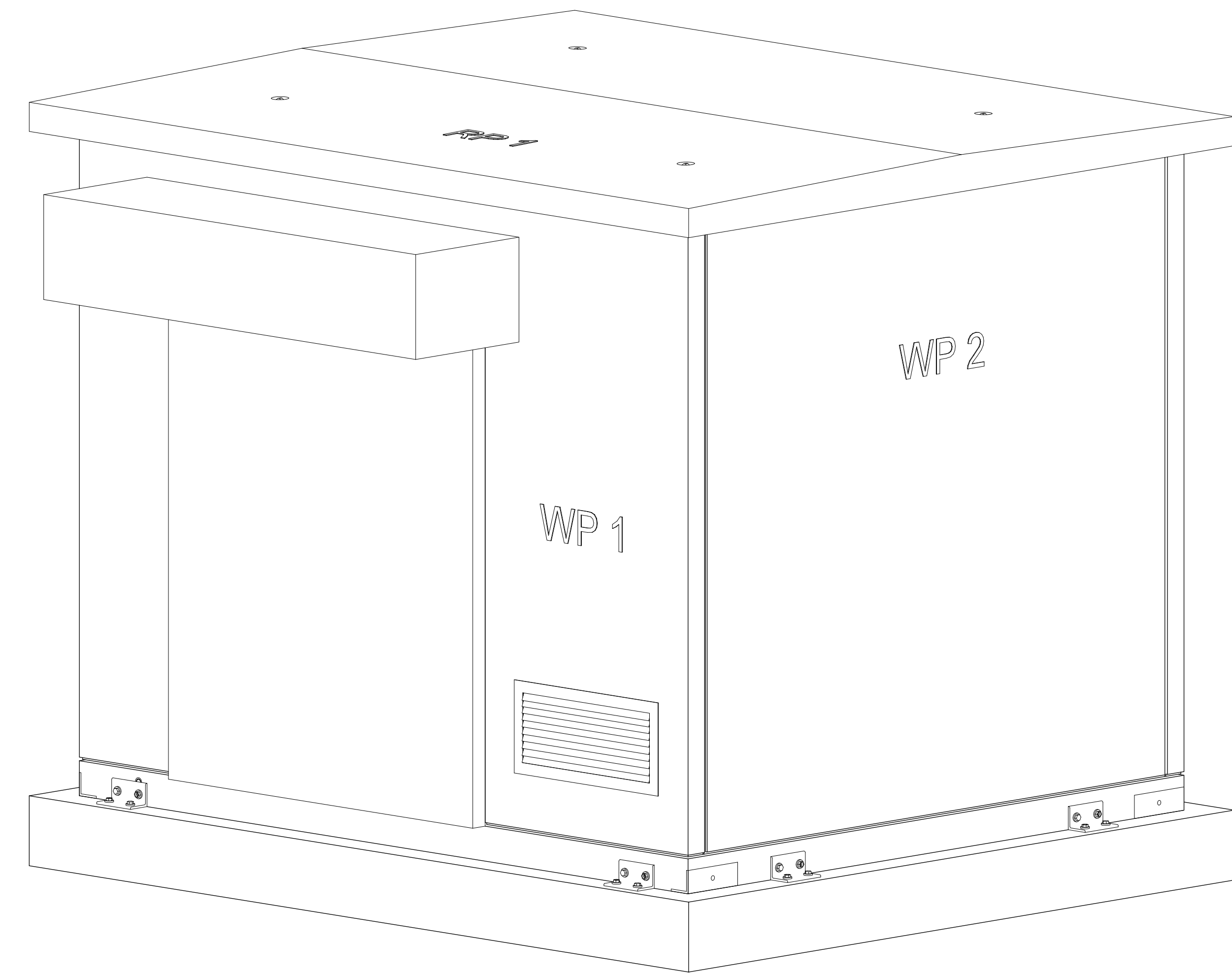
Building Notes

1. Building is Assembled In-plant and Delivered as One Pod
2. Exterior Wall Finish: TBD
3. Exterior Roof: TBD
4. Interior and Exterior Paint: H&C Concrete Stain

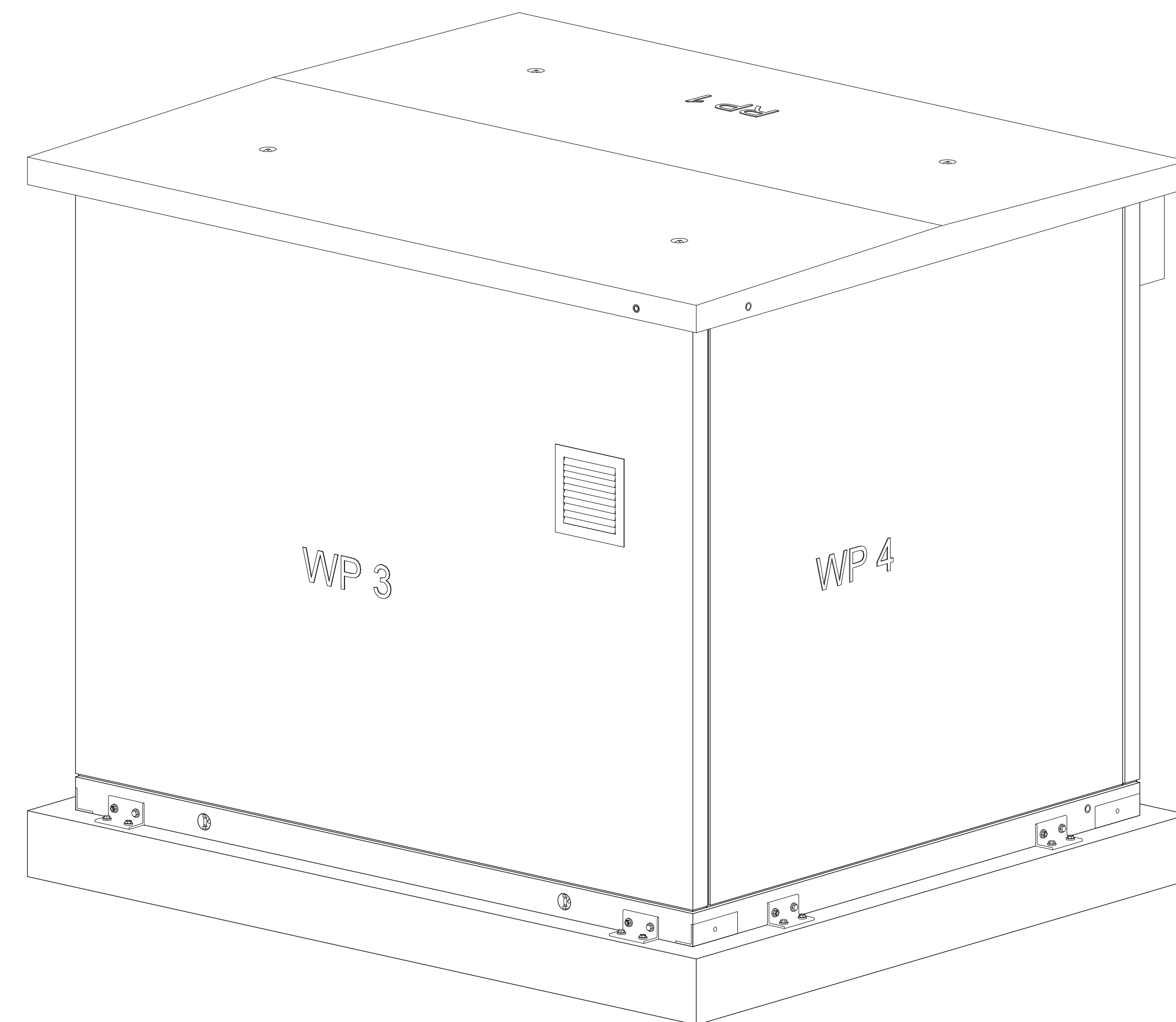
- a. Exterior Wall Color: TBD
- b. Exterior Trim Color: TBD
- c. Interior Ceiling Color: TBD
- d. Interior Wall Color: TBD
- e. Concrete Roof Color: TBD
- f. Concrete Floor Color: TBD
- g. Door Color: TBD

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② Perspective



① Perspective B

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Rechlorination Station

CJ 914

Scale

Drawn By

SDU

Issue Date

7/2/2024 10:16:30 AM

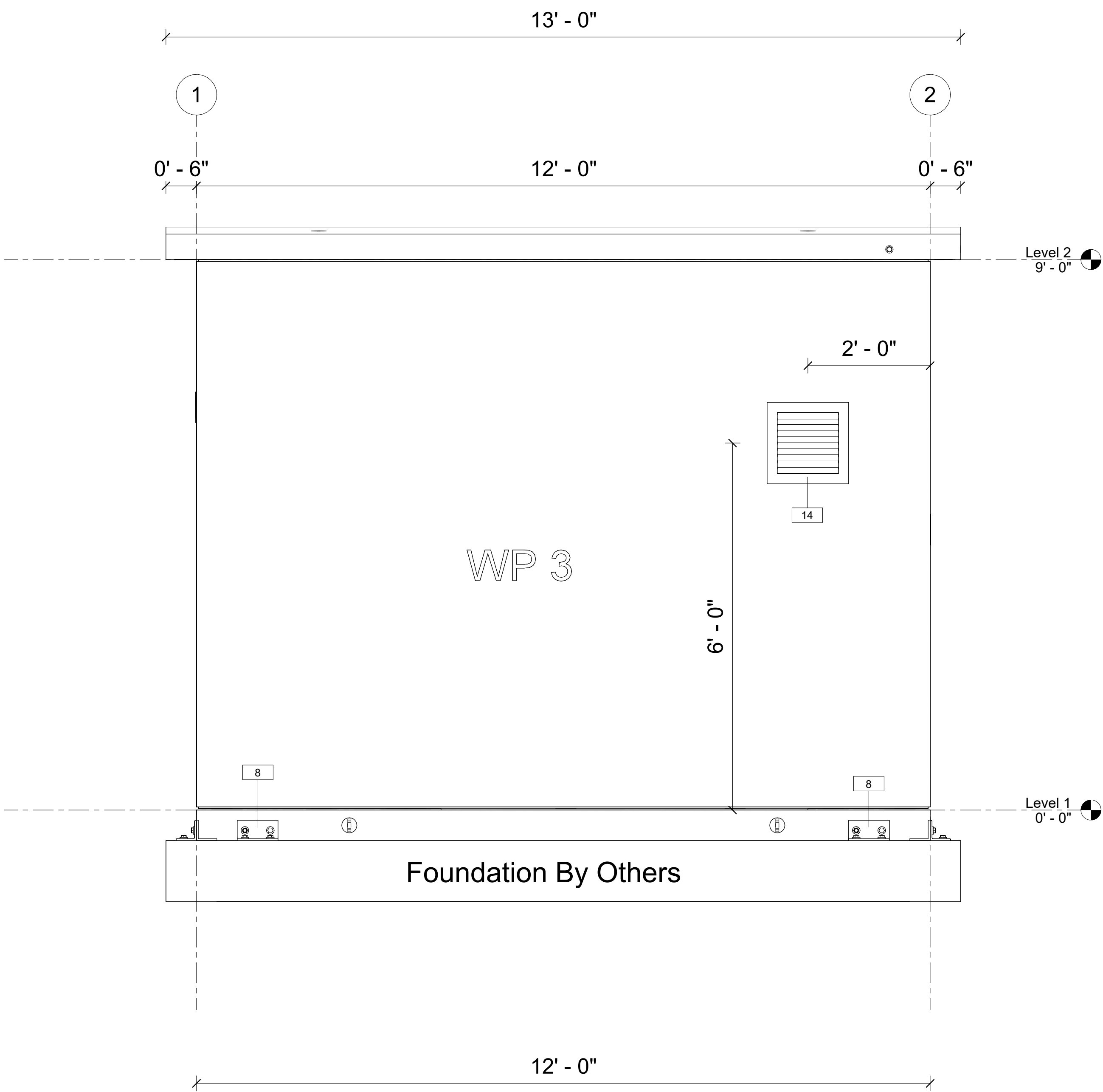
Building Notes

A1.01

Accessory Schedule		
Type Mark	Family	Count
8	Foundation to Building Tie Down L	8
12	4x4 Weld Plate P101 (See H1.01)	48
12.1	4x6 Weld Plate P102 (See H1.02)	32
14	12 x 12 Metal Louver	1
14.1	12 x 30 Metal Louver	1

Door Schedule		
Mark	Type	Count
111	72" x 84" Roll Up Door	1

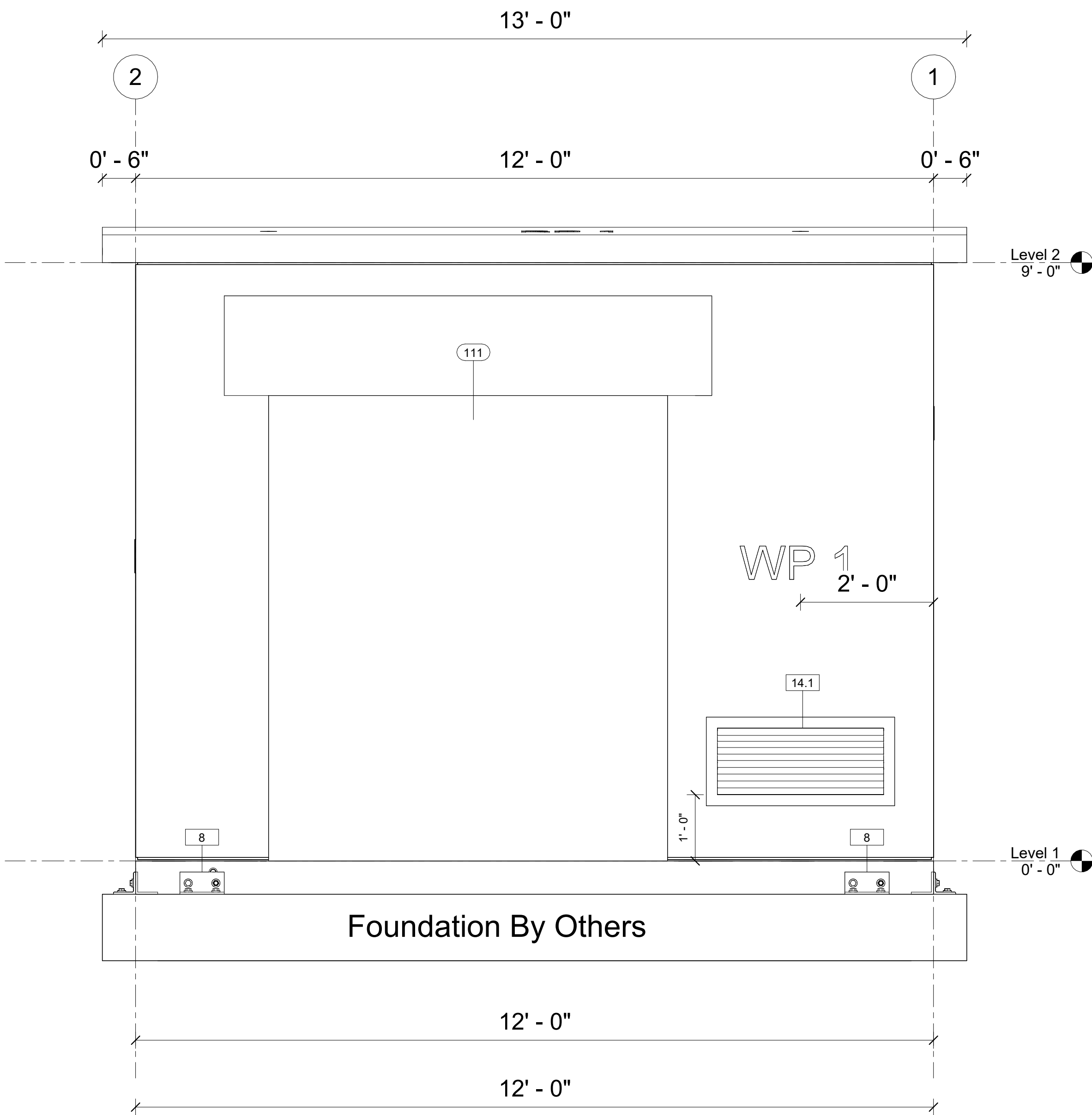
Directions Indicated on Drawings are for Reference Only and Refer to "Plan" Direction



① North
3/4" = 1'-0"

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② South
3/4" = 1'-0"

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Rechlorination Station

CJ 914

Scale
3/4" = 1'-0"

Drawn By
SDU

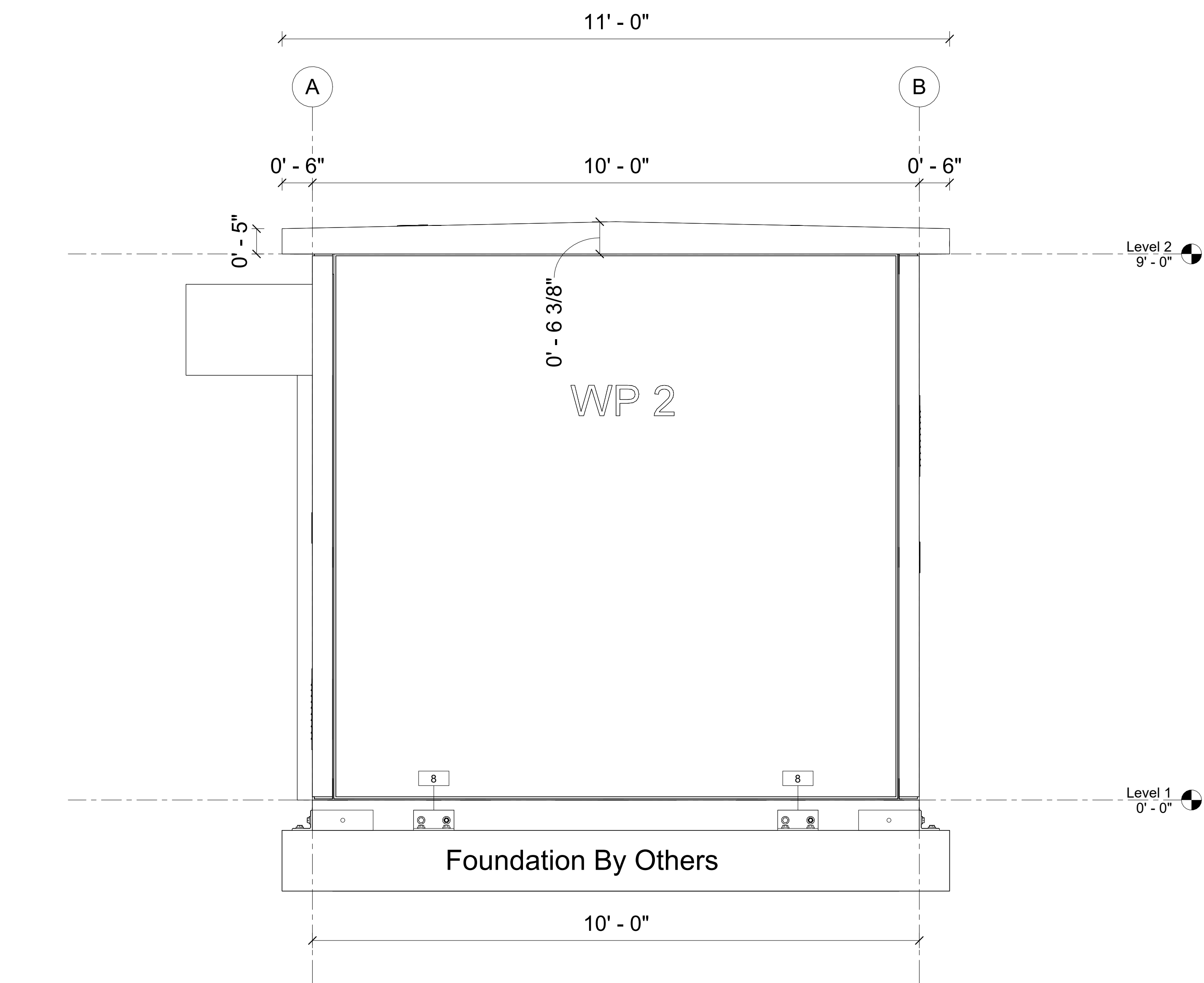
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Elevation

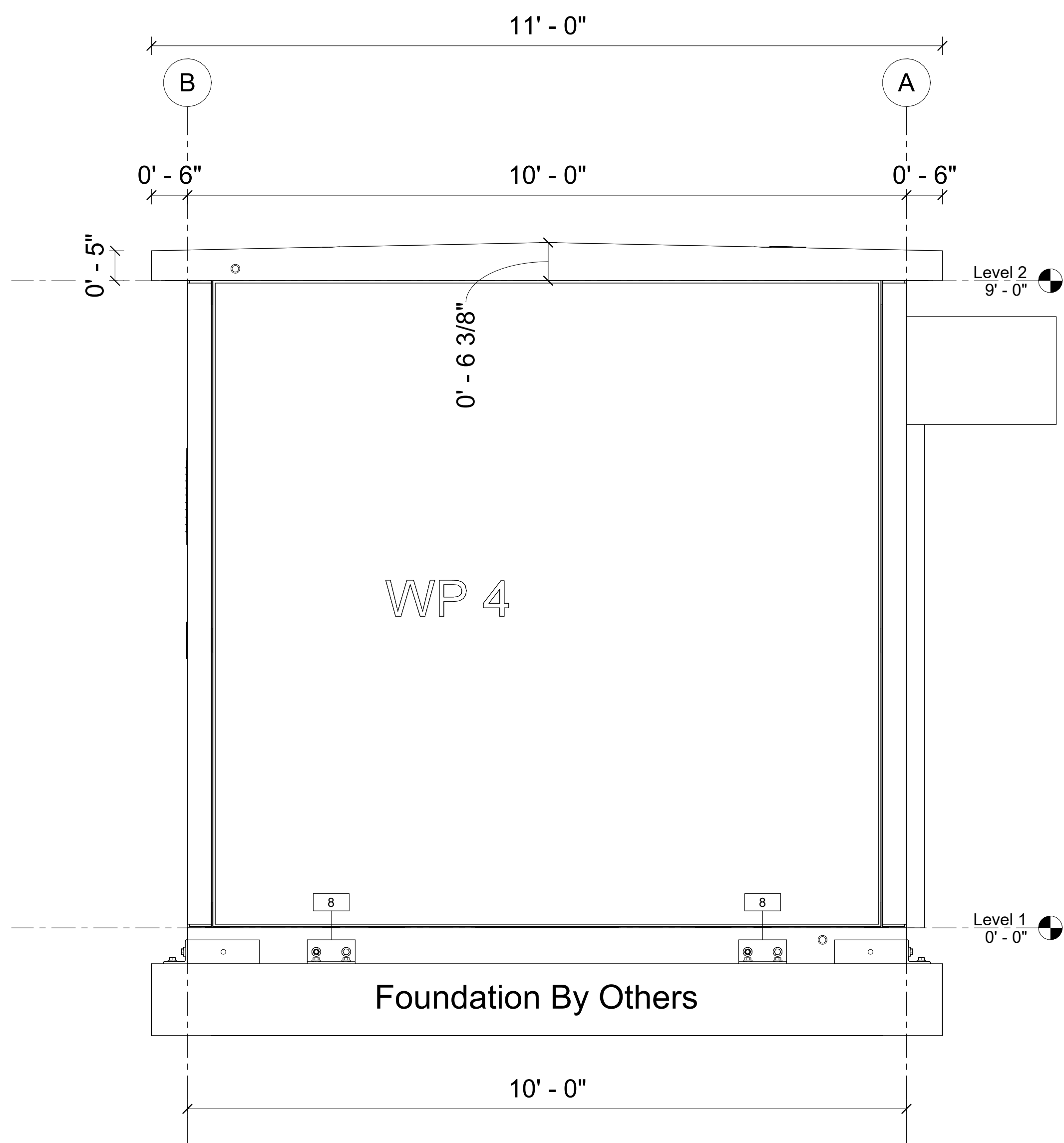
A2.01

Accessory Schedule		
Type Mark	Family	Count
8	Foundation to Building Tie Down L	8
12	4x4 Weld Plate P101 (See H1.01)	48
12.1	4x6 Weld Plate P102 (See H1.02)	32
14	12 x 12 Metal Louver	1
14.1	12 x 30 Metal Louver	1

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1 East
3/4" = 1'-0"



2 West
3/4" = 1'-0"

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Scale
3/4" = 1'-0"

Drawn By
SDU

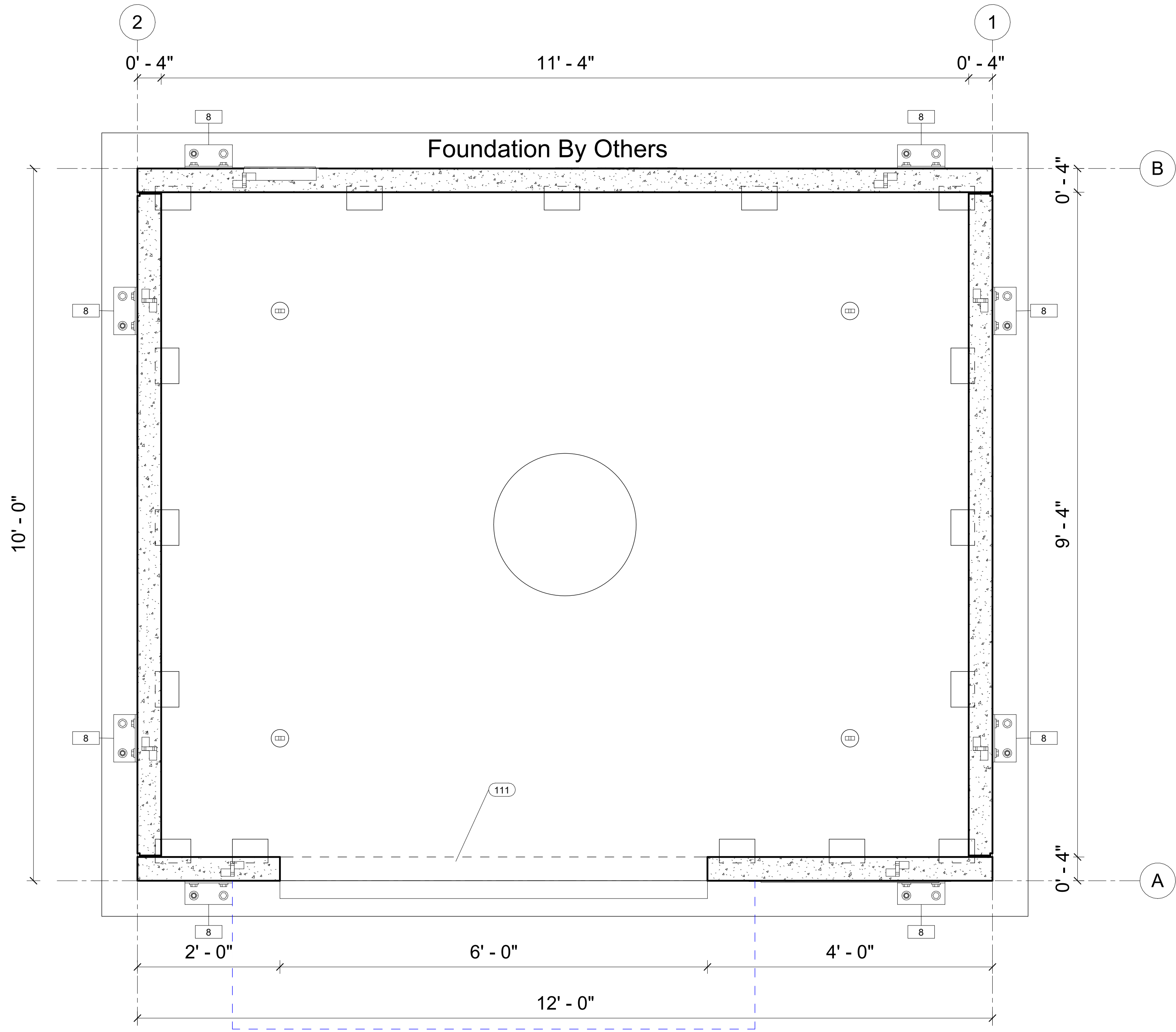
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Elevation

A2.02

Accessory Schedule		
Type Mark	Family	Count
8	Foundation to Building Tie Down L	8
12	4x4 Weld Plate P101 (See H1.01)	48
12.1	4x6 Weld Plate P102 (See H1.02)	32
14	12 x 12 Metal Louver	1
14.1	12 x 30 Metal Louver	1

Door Schedule		
Mark	Type	Count
111	72" x 84" Roll Up Door	1



① Floor Plan
1" = 1'-0"

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Rechlorination Station

CJ 914

Scale
1" = 1'-0"

Drawn By
SDU

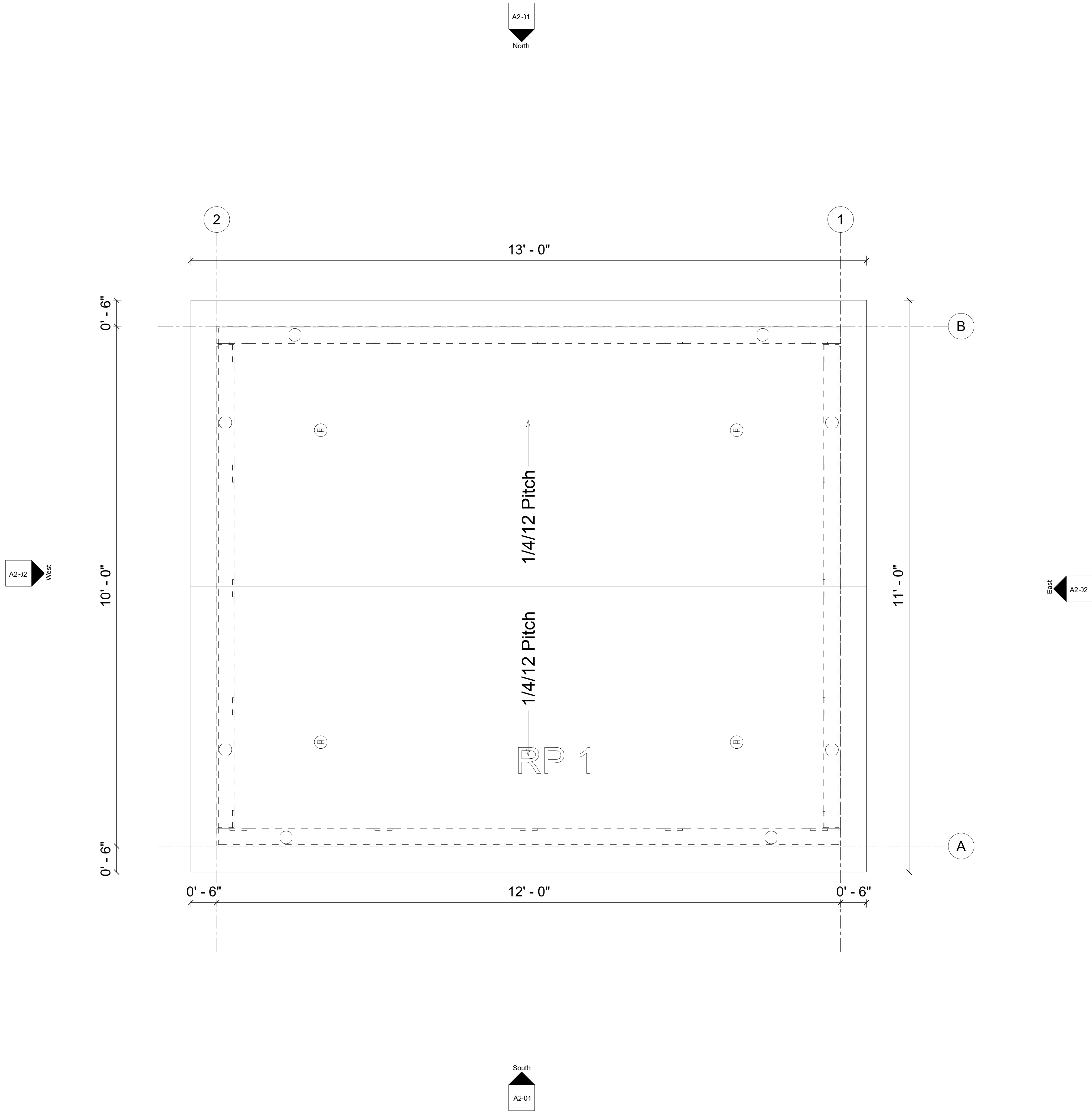
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Floor Plan

A3.00

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Rechlorination Station

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Scale
1" = 1'-0"

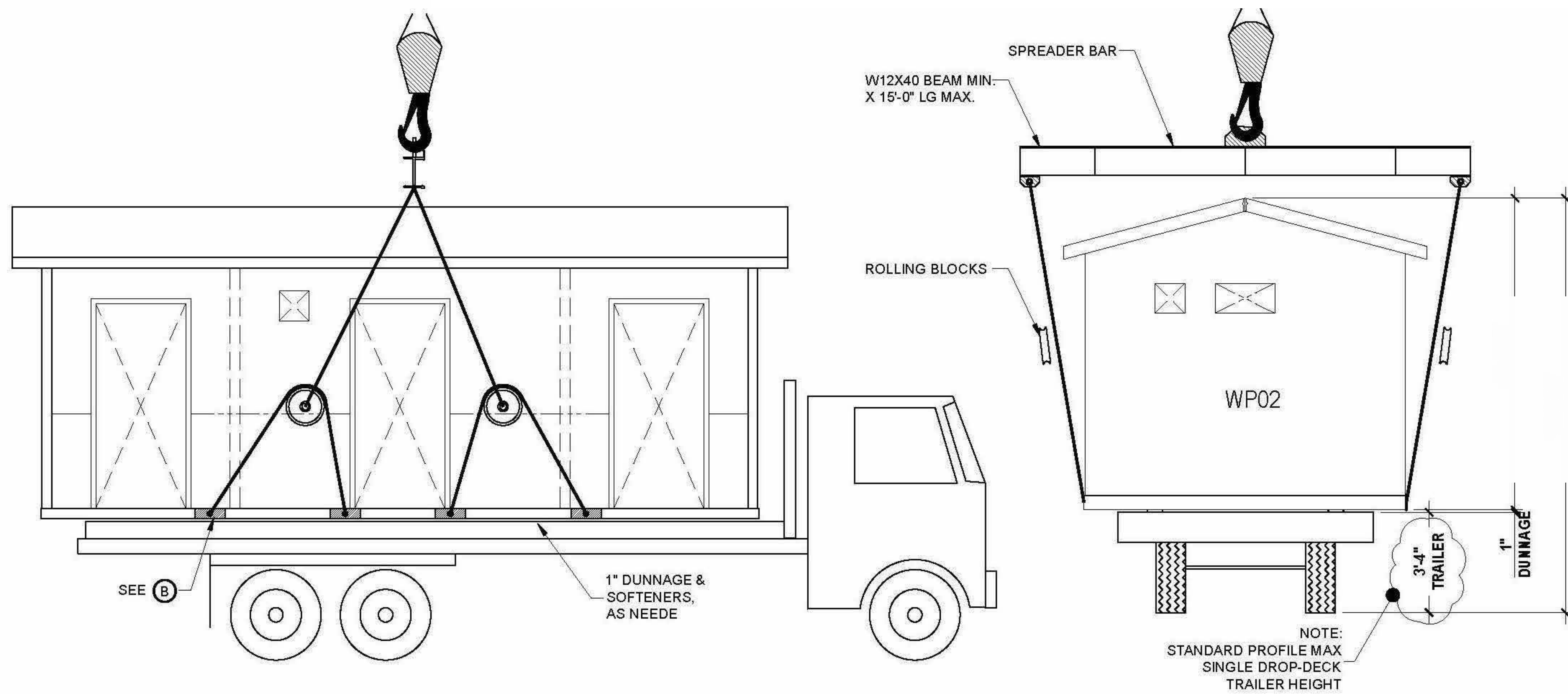
Drawn By
SDU

Issue Date
7/2/2024 10:16:31 AM

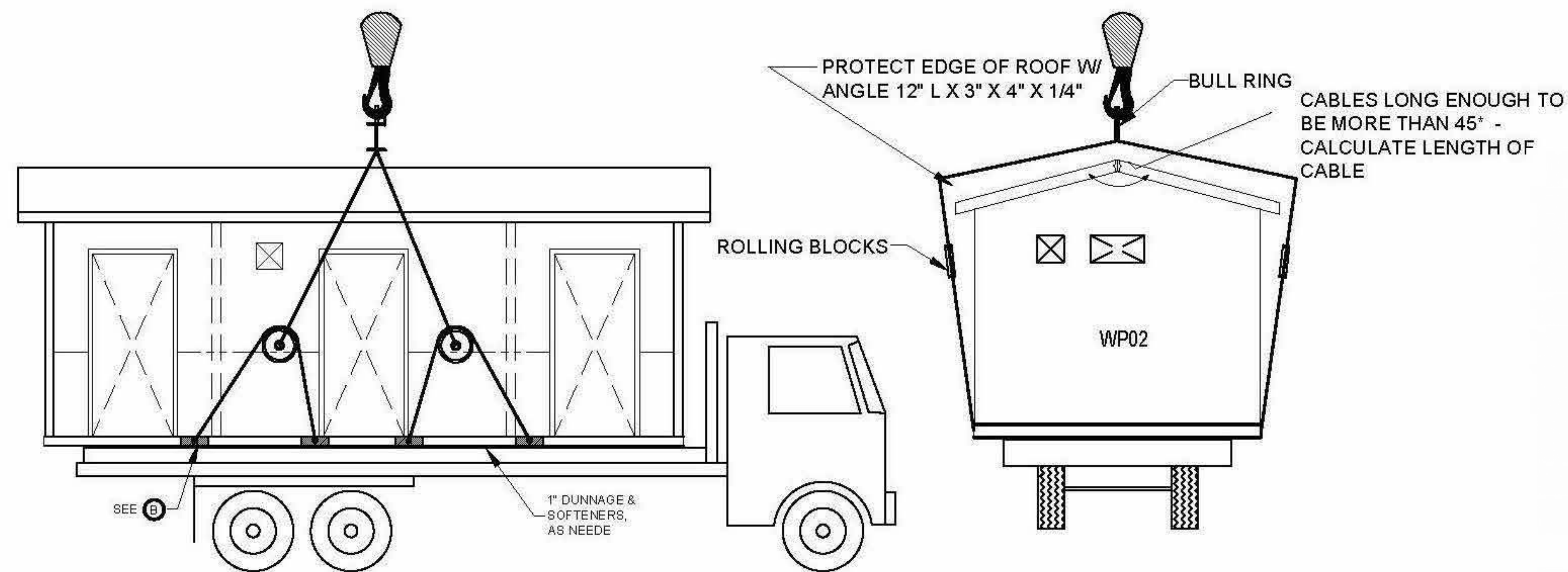
Roof Plan

A3.01

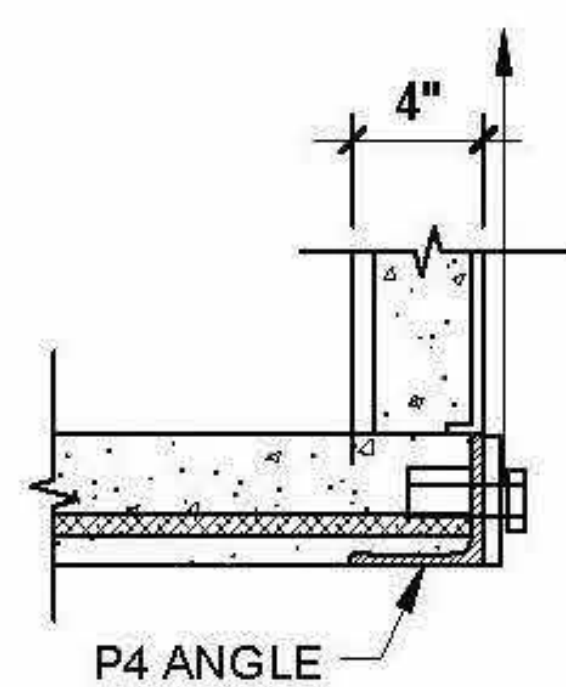
Item	Weight in Lbs
FP 1	9,306.65
WP 1	3,397.70
WP 2	4,343.20
WP 3	5,530.80
WP 4	4,343.20
RP 1	10,573.20
Total	37,494.75



CABLE RIG



OPTIONAL CABLE RIG



B

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Diagram Above is not Meant to be the Exact Building in these Drawings
It is Simply a Representation of the Shipping Method

Weights Are Approximates Using Industry Standard Weights
Shop Drawings Unlimited and Leesburg Concrete Company Are Not Responsible For Exact Weights

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Rechlorination Station

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Shipping
Information

A6.04

Ellisville Water Main Rechlorination Station

Customer: Columbia County

Manufacturer: Leesburg Concrete Company Inc.

1335 Thomas Ave, Leesburg Florida 34748
1-800-882-4177

General Notes

- 1. Signed and sealed plans are on file with a third party agency
- 2. Plan review inspection required by chapter 633 F.S. shall be done on site by local fire safety inspector
- 3. FI Product Approval:
 - 3.1 Doors: FL 14482-R12 or 16355-R5
- 4. Reinforcement to be 1 1/2" clear from all perimeter edges and in center of thickness unless shown otherwise
- 5. Welded wire fabric may be substituted for rebar mat

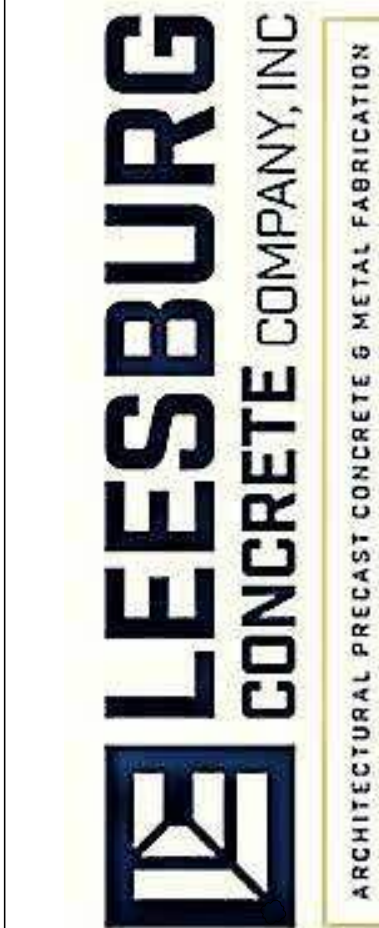
Site installed items not by LCCI

- 1. Foundation system
- 2. Plumbing, mechanical, electrical systems
- 3. Fire alarm systems
- 5. Gutters and downspouts

- 1. Code standard requirements
 - 1.1 2023 Florida Building Code 8th Edition
 - 1.2 2023 Accessibility Code Florida 8th Edition
 - 1.3 2023 Mechanical, Plumbing Code Florida 8th Edition
 - 1.4 2023 Florida Fire Prevention Code Florida 8th Edition
 - 1.5 2020 NEC
 - 1.6 ASCE 7-22
 - 1.7 ASI318-14
 - 1.8 PPCI 8th Edition
 - 1.9 Steel Construction Manual
 - 1.10 Florida Energy Code Exemption
 - 1.11 FBC C101.4.2.4 Buildings (Exemption #2)
- 2. Loads
 - 2.1 Roof Live Load: 60 PSF - Floor Live Load: 150 PSF
 - 2.2 Wind Loading: 143 MPH (ASD)/ 185 MPH (Ultimate)
 - 2.3 Seismic Design Catagory A
- 3. Wind Design Criteria
 - 3.1 Risk Catagory III
 - 3.2 Exposure Catagory C
- 4. Materials
 - 4.1 Concrete =
 - 4.1.1 Release = 2,500 PSI
 - 4.1.2 28 Day = 5,000 PSI
 - 4.2 Rebar: ASTM A615, Grade 60
 - 4.3 Welded Wire Fabric: ASTM A185, Grade 60 (WWR W4 x W4 - 3x3)
- 5. Utility
 - 5.1 Construction Type V-B
- 6. Occupancy
 - 6.1 Utility

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Rechlorination Station

CJ 914

Scale

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Issue Date
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Structural
Cover

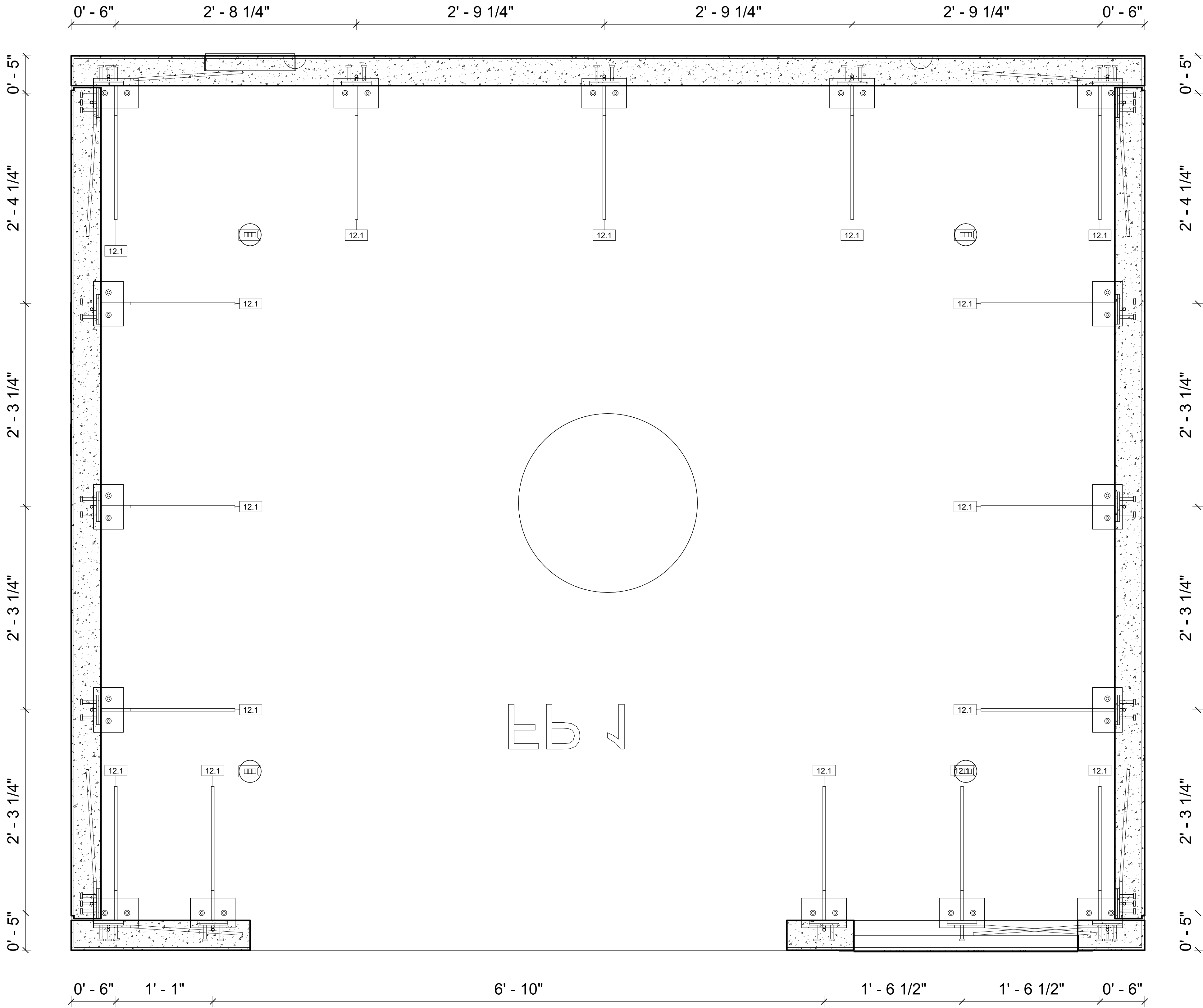
S1.00

12.1 = 4x6 Weld Plates (See S1.12)

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1 Floor Weld Plates
1 1/2" = 1'-0"



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Rechlorination Station
CJ 914

Scale
1 1/2" = 1'-0"

Drawn By
SDU

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Floor Weld
Plates

S1.01

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Rechlorination Station

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Scale
1 1/2" = 1'-0"

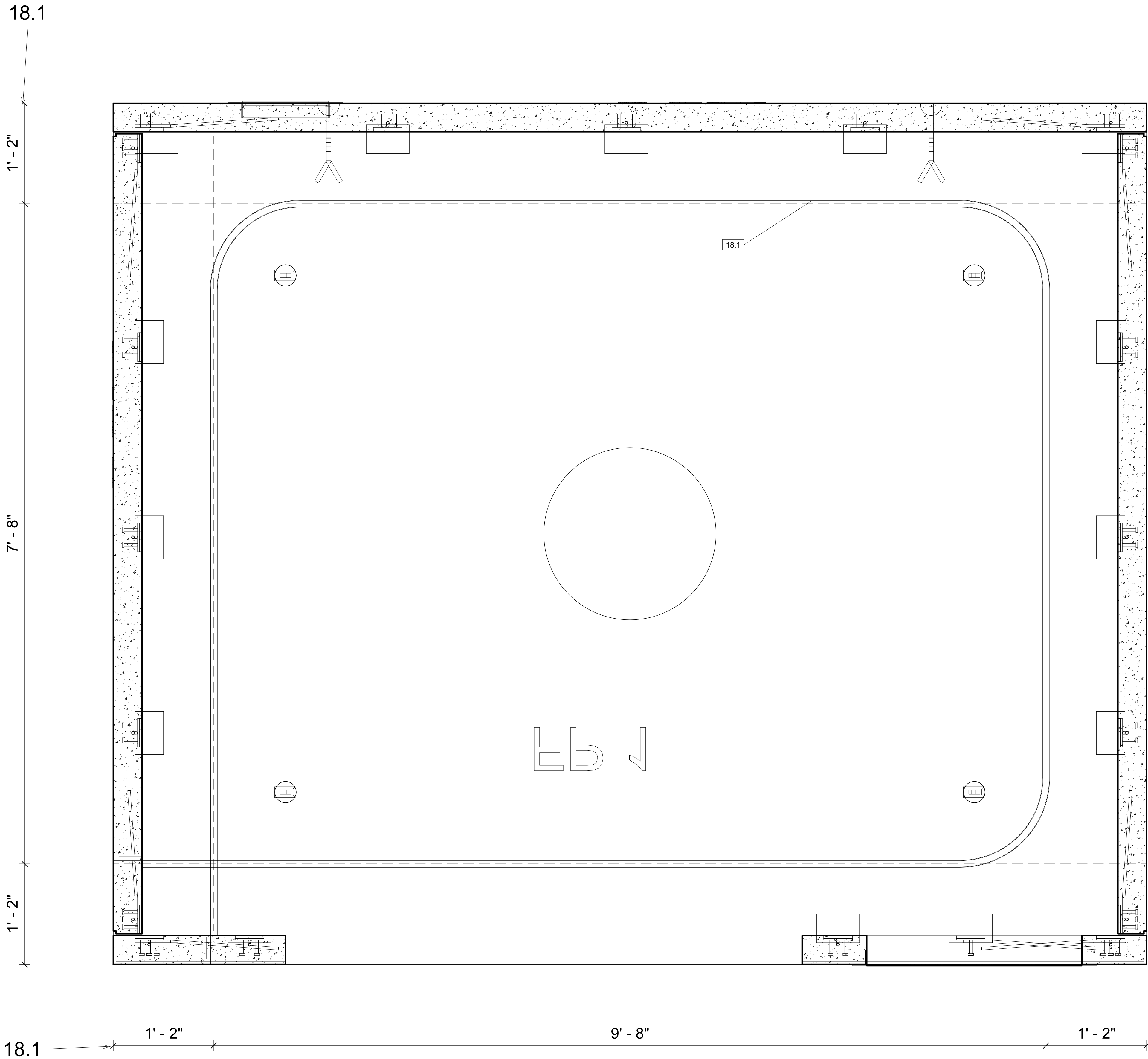
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SDU

Issue Date
7/2/2024 10:16:32 AM

Floor Tension
Cable

S1.02

18.1 = Tension Cable Loop



① Floor Tension Cable
1 1/2" = 1'-0"

STATE STAMP

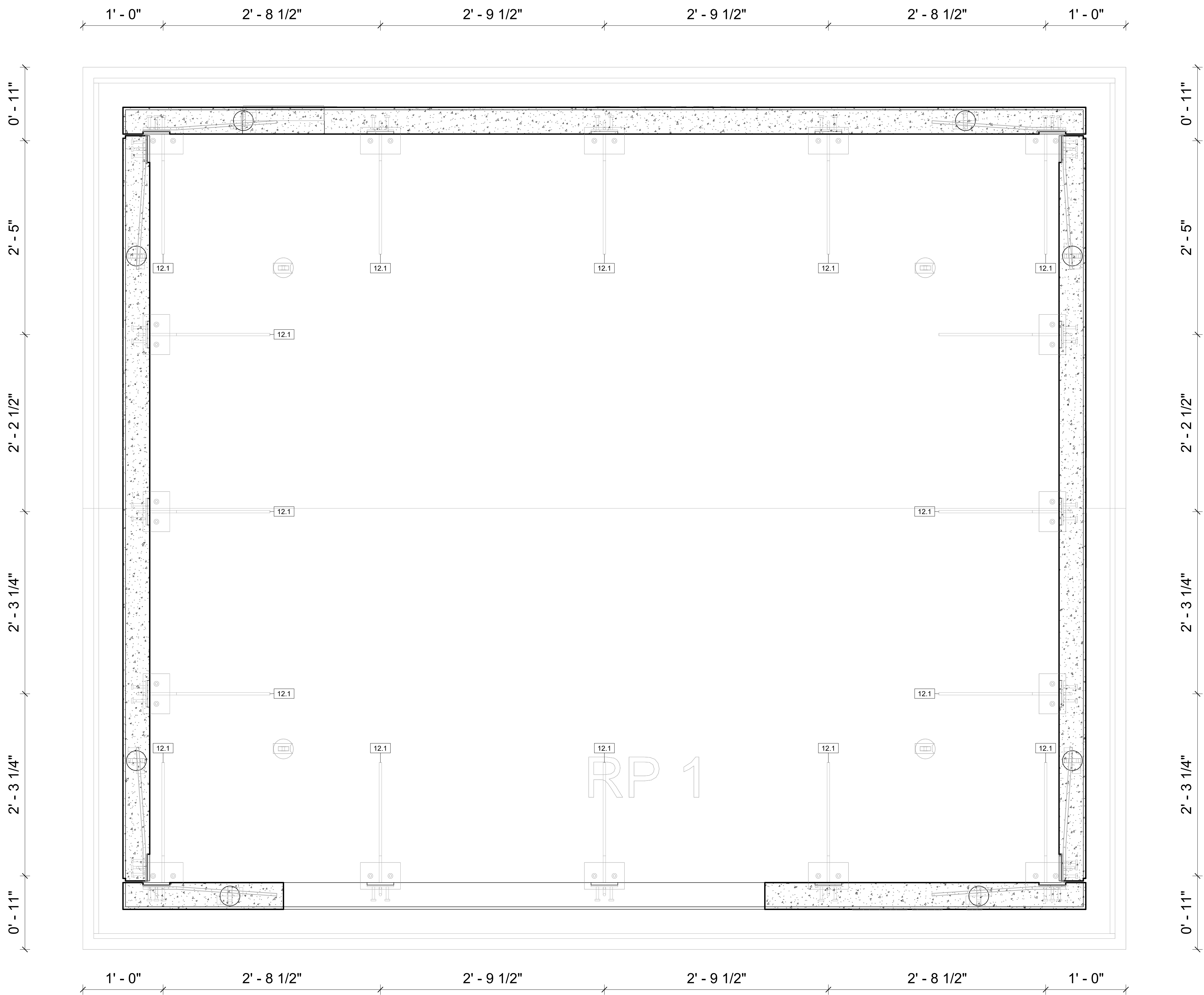
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12-1 = 4x6 Weld Plate (See S1.12)

STATE STAMP

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① Roof Weld Plates
1 1/2" = 1'-0"



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7/2/2024	For Structural Review		2

Rechlorination Station

CJ 914

Scale
1 1/2" = 1'-0"

Drawn By
SDU

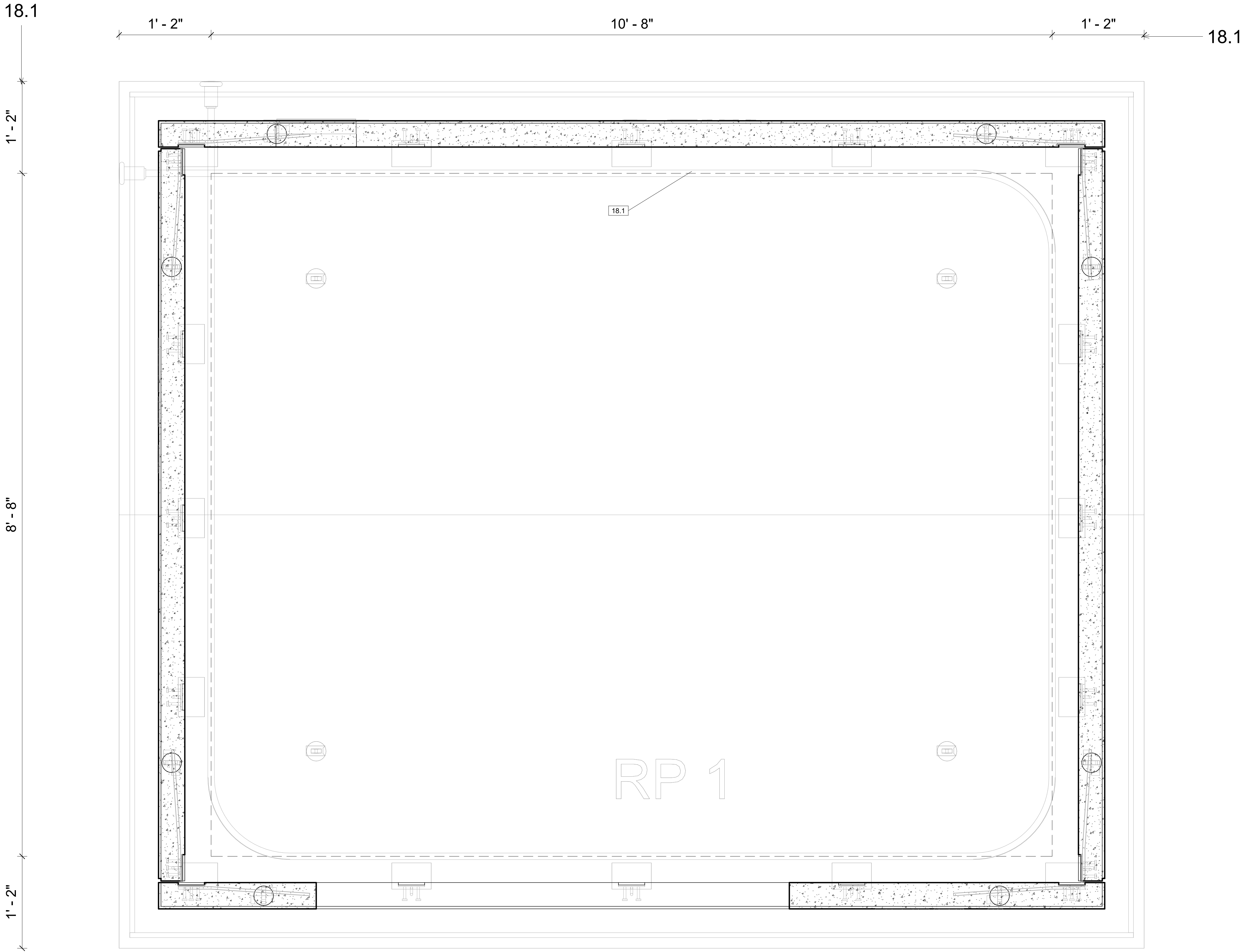
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Roof Weld
Plates

S1.03

18.1 = Tension Cable Loop

① Roof Tension Cable
1 1/2" = 1'-0"



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ENG STAMP

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7/2/2024	For Structural Review		2

Rechlorination Station

CJ 914

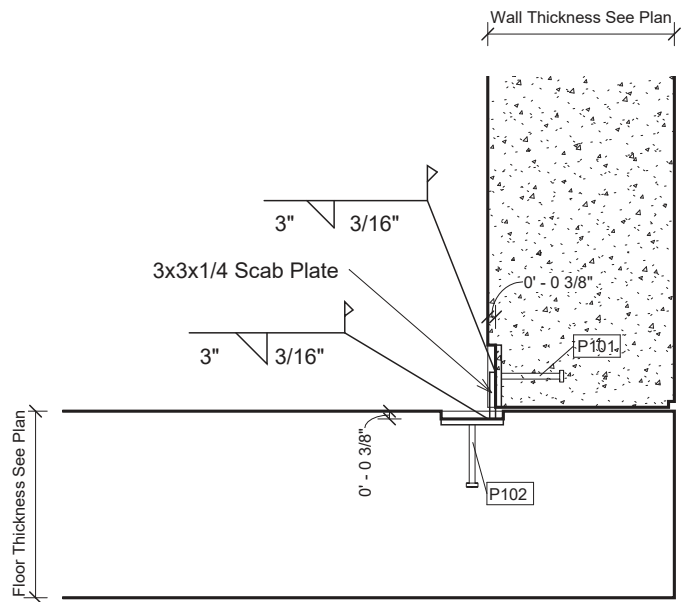
Scale
1 1/2" = 1'-0"

Drawn By
SDU

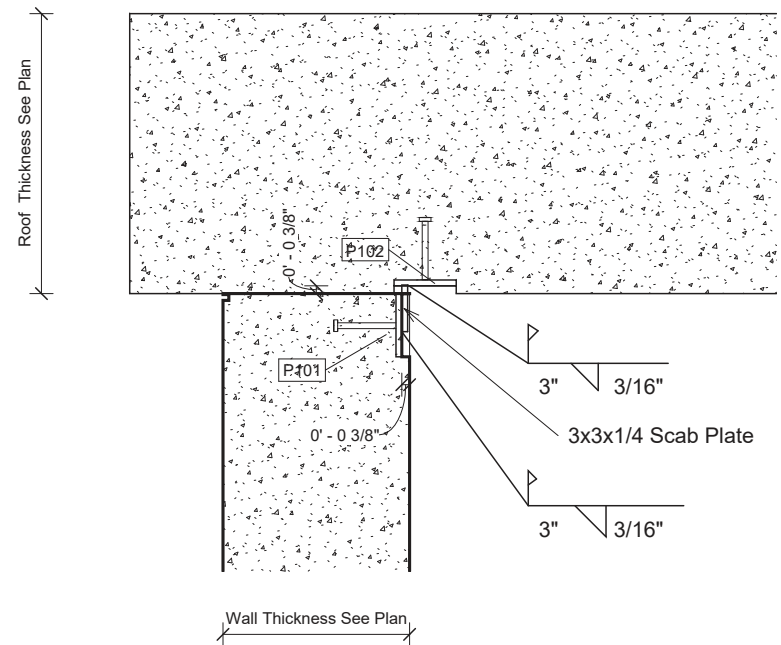
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Roof Tension Cable

S1.04



① Typical Wall To Floor Connection
1 1/2" = 1'-0"

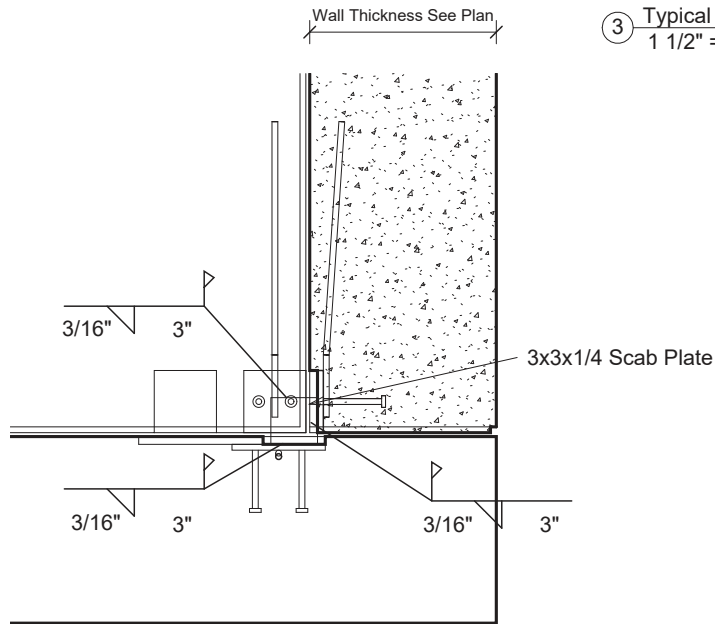


② Typical Roof to Wall Connection
1 1/2" = 1'-0"

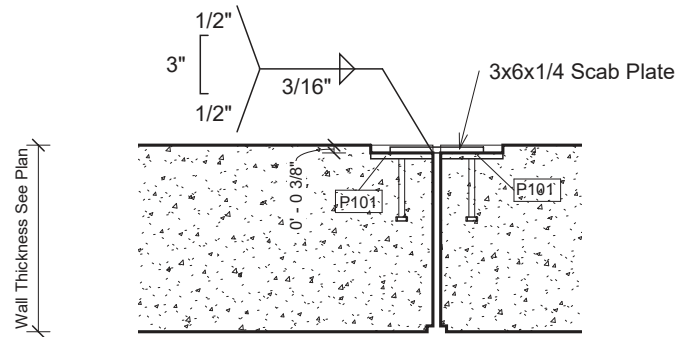
Welded Connections

Project number	Project Number	S1.05
Date		
Drawn by	Chad Zachary	
Checked by	Checker	Scale 1 1/2" = 1'-0"

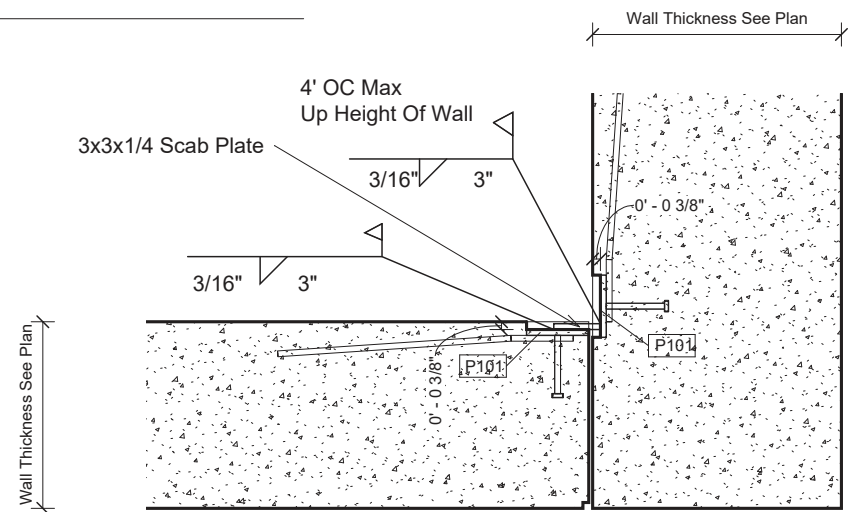
① Typical 3-Way Intersection (Roof or Floor)
1 1/2" = 1'-0"



③ Typical Wall to Wall Connection
1 1/2" = 1'-0"



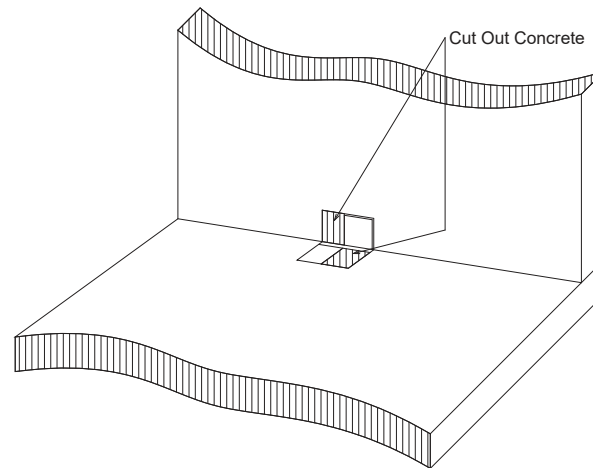
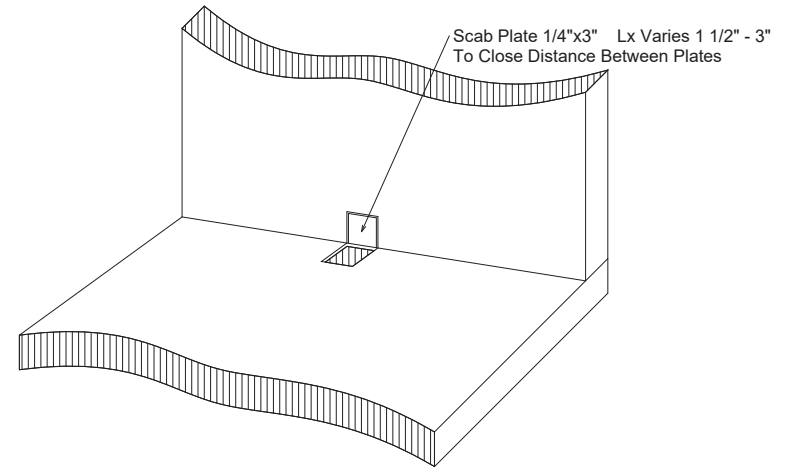
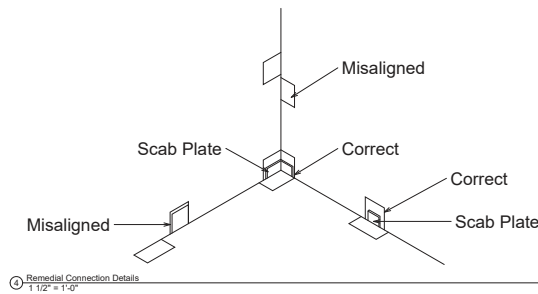
② Typical Inside Corner Connection
1 1/2" = 1'-0"



Welded Connections

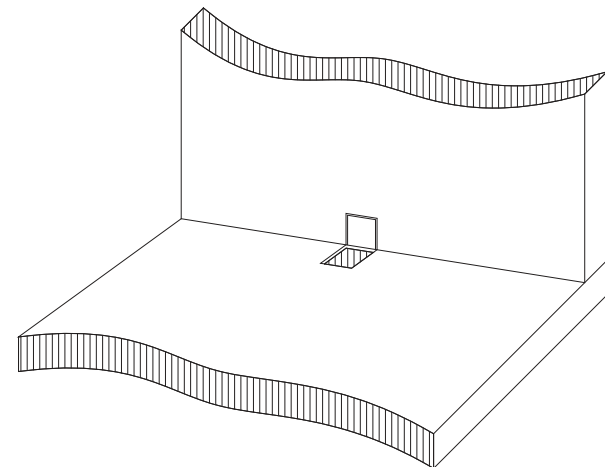
Project number	Project Number	S1.06
Date		
Drawn by	Chad Zachary	
Checked by	Checker	Scale 1 1/2" = 1'-0"

Remedial Connection Details



Recessed Plates Misaligned

1. Cut Out Concrete, Allowing For Recess
2. Drill Holes For Studs
3. Epoxy Plate (A36) Into Position
4. Patch Around Plate With Appropriate Mix
5. Paint Weld With Galvanized Paint
6. Patch Over Welded Plate



Missing Weld Plate

1. Excavate Area For Plate, Allowing For Recess
2. Drill Holes For Studs
3. Epoxy Plate (A36) Into Position
4. Patch Around Plate With Appropriate Mix
5. Paint Weld With Galvanized Paint
6. Patch Over Welded Plate

STATE STAMP

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DATE	DESCRIPTION	INI	REV #

Scale

1 1/2" = 1'-0"

Drawn By

Chad Zachary

Issue Date

1/19/2023 12:07:42 PM

Remedial
Connections

S1.07

FOUNDATION REQUIREMENTS FOR TRANSPORTABLE PRECAST CONCRETE BUILDINGS

BUILDING DESIGN

TRANSPORTABLE PRECAST CONCRETE BUILDINGS HAVE BEEN DESIGNED TO ELIMINATE THE NEED FOR FOUNDATIONS OR FOOTINGS FOR VIRTUALLY ALL INSTALLATIONS. THE BUILT-IN FLOOR OF THE BUILDINGS ARE DESIGNED FOR USE ON FLOATING FOUNDATIONS COMPRISED OF 4”-6” OF CRUSHED STONE OR SAND. THIS DESIGN, AND THE USE OF APPROPRIATE FLOATING FOUNDATIONS OF STONE OR SAND, HAVE PROVEN TO BE EFFECTIVE AND PROBLEM FREE IN THE FIELD FOR A WIDE VARIETY OF INSTALLATIONS. THE EFFECTIVENESS OF THE DESIGN HAS NOT BEEN ADVERSELY AFFECTED BY THE SIZE OF THE BUILDING.

CAVEATS

THE FLOATING FOUNDATION OF CRUSHED STONE OR SAND SHOULD BE PLACED ON A WELL-DRAINED AND GRADED AREA, TO PRECLUDE THE RETENTION OF STANDING WATER. ON A WELL-DRAINED AND PROPERLY GRADED SITE, ANY GROUND SWELL SHOULD BE MINIMAL AND LINEAR, WITH NO DAMAGE TO THE BUILDING OR ITS CONTENTS.

IT IS IMPORTANT TO NOTE THAT THE DESIGN OF THE BUILDING ENABLES THE TRANSPORTATION OF THE BUILDING, WHICH MAXIMIZES THE FLEXIBILITY AND LONG-TERM USEFULNESS OF THE STRUCTURE. FURTHERMORE, THE ELIMINATION OF FOUNDATIONS AND FOOTINGS MINIMIZES THE IMPACT ON, AND DAMAGE TO, THE ENVIRONMENT OF THE BUILDING SITE. THE USE OF STANDARD FOUNDATIONS OR FOOTINGS WOULD COUNTER SOME OF THE SIGNIFICANT BENEFITS, WHICH CAN BE ACHIEVED BY INSTALLING TRANSPORTABLE BUILDINGS. IN THOSE AREAS WHERE LOCAL BUILDING CODES MAY NOT ACCOMMODATE THE USE OF A FLOATING FOUNDATION FOR AN TRANSPORTABLE BUILDING, A VARIANCE TO SUCH CODES MAY BE AVAILABLE.

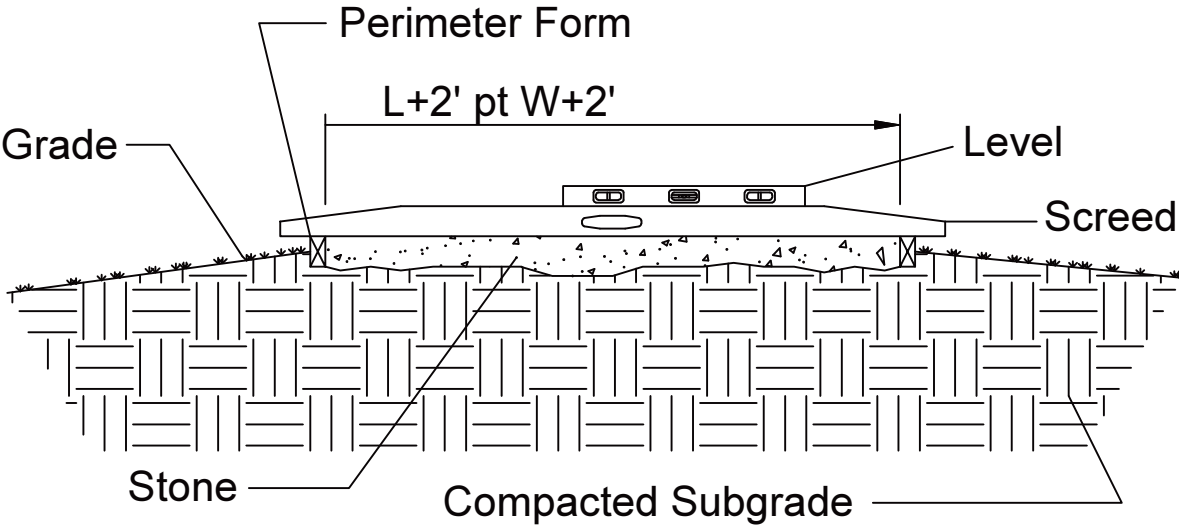
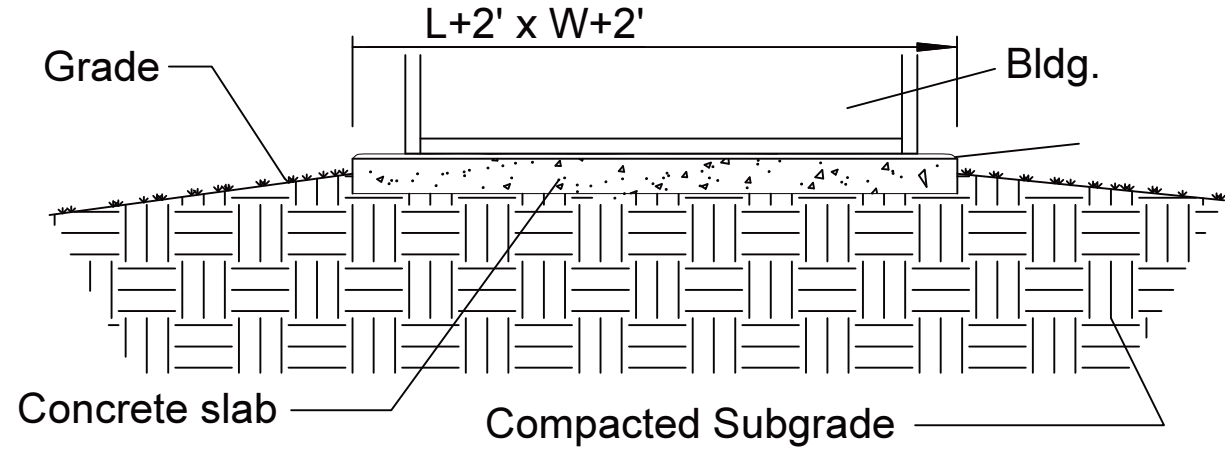
SITE PREPARATION REQUIREMENTS
(MANUFACTURER’S RECOMMENDATION)

- A. BUILDING SHALL BEAR FULLY ON A CRUSHED STONE BASE THAT IS AT LEAST TWO FEET LARGER THAN THE LENGTH AND WIDTH OF BUILDING.
- B. STONE SHALL BE A MINIMUM OF 4” THICK OR DOWN TO FIRM SUBGRADE. THE VERTICAL SOIL CAPACITY UNDER STONE SHALL BE COMPACTED TO HAVE MINIMUM BEARING OF 1,500 POUNDS PER SQUARE FOOT. STONE SHALL BE 3/8” OR SMALLER AND MUST BE SCREEDED LEVEL WITHIN ¼” IN BOTH DIRECTIONS. STONE SHALL BE PLACED WITHIN A PERIMETER FORM WITH FLAT AND LEVEL TOP EDGE FOR SCREEDING. FORMING MATERIAL SHALL REMAIN AROUND STONE UNTIL AFTER THE BUILDING IS SET.
- C. THE CRUSHED STONE BASE SHALL BE KEPT WITHIN THE CONFINES OF THE SOIL OR PERIMETER FORM. DO NOT ALLOW THE BASE TO BECOME UNCONFINED SO THAT IT MAY WASH, ERODE, OR OTHERWISE BE UNDERMINED.
OR
IF BUILDING IS PLACED ON PAVEMENT OR A CONCRETE SLAB, SUBSTRATE BELOW PAVEMENT OR SLAB MUST HAVE A VERTICAL SOIL CAPACITY OF 1,500 POUNDS PER SQUARE FOOT. PLACE STONE OR SAND TO 1” ABOVE HIGHEST POINT OF AREA WHERE BUILDING WILL BE PLACED AND AT LEAST 1’-0” WIDE ALL AROUND THE BUILDING FOOTPRINT. RETAIN STONE OR SAND WITH A PERIMETER FORM TO PREVENT THE MATERIAL FROM WASHING OUT.
- D. PROVIDE POSITIVE DRAINAGE FOR THE FILL, PAD, OR SLAB AS REQUIRED.

ACCESS

- A. CONTRACTOR MUST PROVIDE LEVEL UNOBSTRUCTED AREA LARGE ENOUGH FOR A CRANE AND A TRACTOR-TRAILER TO PARK ADJACENT TO THE PAD. CRANE MUST BE ABLE TO PLACE OUTRIGGERS WITHIN 5’-0” OF EDGE OF PAD AND TRUCK AND CRANE MUST BE ABLE TO GET SIDE BY SIDE UNDER THEIR OWN POWER. NO OVERHEAD LINES MAY BE WITHIN 75’ RADIUS OF CENTER OF PAD. A MINIMUM OF 24” CLEARANCE IS REQUIRED BETWEEN THIS BUILDING AND ADJACENT BUILDINGS.

All Foundation Work By Others



SITE PREPARATION

SCALE: N.T.S.



INT. REV.	DESCRIPTION	DATE
Δ		
Δ		
Δ		
Δ		

SCALE
AS NOTED

DRAWN BY

ISSUE DATE

SHEET NUMBER/
PIECE MARK
S1.08

ENG. STAMP

STATE STAMP

5.0 Building Production
5.10 STRESSING PROCEDURES For Roofs and Floors - Model 1012 &1220

1. Remove form rails. Verify concrete strength with Schmidt Hammer or cylinder breaks. Concrete shall be a minimum of 3,750 PSI before cable can be stressed.
2. Remove recessed plastic pocket-formers at the post-tensioning anchor.
3. Remove the plastic sheath from the strand all the way from the base of the anchor to the end of the strand. Clean off grease from exposed portion of cable. Use a suitable solvent. Never heat or use flame on the cable.
4. Insure that the tapered holes in the anchors are cleaned and free of any debris or cement paste, which might interfere with proper wedge seating.
5. Install wedge sets around the strand at each anchor. Press the wedges in with the fingers evenly. Tap wedges in securely. Make sure the ends of the wedges are even with each other so that the stress will be evenly distributed over the wires of the strand.
6. Slide the wedge-setter over the cable and place against the wedges installed in the cast-in anchors (see drawing #1 on sheet A1.08).
7. Install the temporary reusable anchor on the strand. The plates of the jack will push against this anchor to elongate and, therefore, stress the strand. Set the temporary stressing anchor approximately 5" beyond the rear of the wedge-setter (see Drawing #1 on A1.08).
8. Install the plates of the twin ram stressing jack over the strand between the wedge-setter and the reusable stressing anchor.
9. Standing back from the jack, using a remote switch for the pump, stress the strands until the pump pressure gauge indicates a pressure listed on the calibration chart of your stressing pump, that corresponds to 33 K required tension on the ½" cable. Whenever stressing be sure to observe safety precautions and operator positioning in anticipation of unexpected failures. NOTE: As a double-check to insure proper elongation of the strand, measure the distance the jack has stretched the cable. This dimension should be in accordance with the following formula:
Length of total cable x .0795 = the length of cable elongation.
10. Release pump pressure slowly and remove the jacking system and temporary stressing anchor. Your post release tension on the cable will be 28.5 K.
11. Repeat stressing operation at other end of cable. To insure that cable is fully tensioned. Line friction may result in lower stress of total length of cable if this procedure is not done.
12. Release pump pressure slowly and remove jack system and temporary anchor.
12. Cut off strand tails at 1" from the wedge and pack the holes with permanent grout.

SAFETY INSTRUCTIONS:

NOTE: Stressing units are calibrated against load cells to determine the gauge pressures for a particular unit which will produce the desired engineering force. Gauge pressure versus actual load calibration should be checked every six months against a load cell. The sample table on A1.08 lists the current equipment in service. Never use equipment which has not been tested in the last 6 months. The Quality Control Department has the responsibility to insure the stressing unit is calibrated semi-annually. See the following sample calibration chart A1.08. The calibration chart of your stressing jack is likely to vary from the sample table on A1.08.

ROOF AND FLOOR POST-TENSIONING Stressing System Safety Instructions

This equipment is designed and built to provide safety during equipment operation. It must be operated and maintained by personnel who are trained in and follow safe procedures. Since the forces involved in tendon stressing are in the order of 33 to 46 kips, it is obvious that failure from any cause could be damaging to personnel and property. Accordingly, stressing equipment operators are expected to observe all applicable safety precautions including the following:

1. Before activating the pump, visually check all elastomeric tubing for nicks, cracks, or other damage and repair or replace if required.

2. See that all tubing joints are tightly connected.

3. Be sure that pump is supported in a stable manner and positioned to avoid strain on connection lines.

4. Be sure that protective dunnage and appropriate safety barriers are erected to protect the operator and any others in the area.

5. Observe the gauge pressure that will develop the required tensile force as marked on the tag attached to the pump. Locate this reading on gauge face.

6. Be certain that tensioning twin-rams are positively engaged and correctly aligned.

7. Activate pump and observe gauge. If pressure does not build up promptly, check system for leakage and make sure that anchors and wedges on both ends of the POLYSTRAND® tendons are properly engaged. When pressure reaches approximately 1000 PSI, stop and check for alignment. Make sure that the strand is at the top of the slot provided in the tension jack cylinder connector plates.

8. Continue pumping until final pressure is attained. When stressing long tendons, multiple strokes and resetting the temporary anchor will be required. — CAUTION — pressure will build extremely fast if rams are fully extended. Monitor ram extension and gauge readings continuously.

9. When the correct force has been applied to the tendon, stop the pump motor and release the pressure on the pack by opening the hydraulic valve.

10. Use care in moving and storing equipment to insure that gauge and tubing are not damaged.

11. Observe site rules pertaining to frequency of gauge calibration.

STATE STAMP

ENG STAMP

DATE	DESCRIPTION	INI	REV #
5/22/2023	For Architectural Review		1
7/2/2024	For Structural Review		2

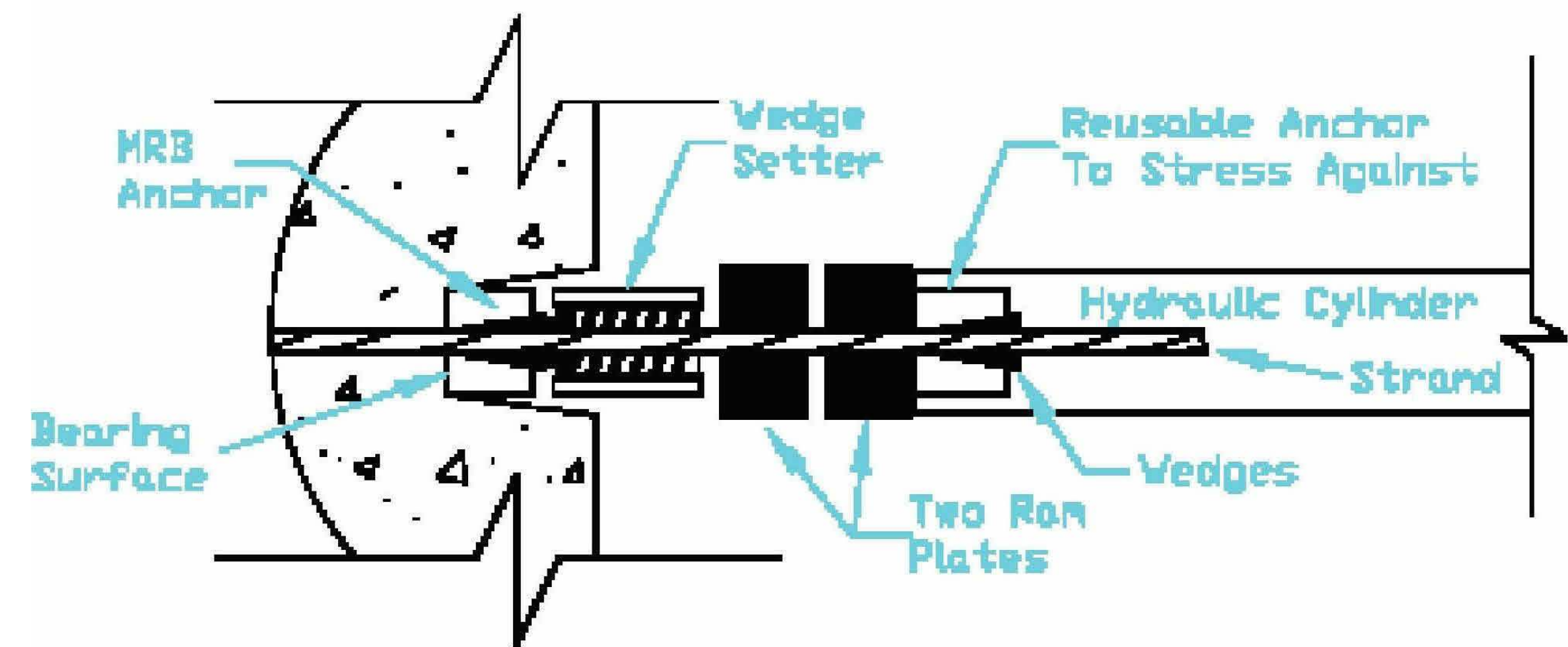
Rechlorination Station

CJ 914

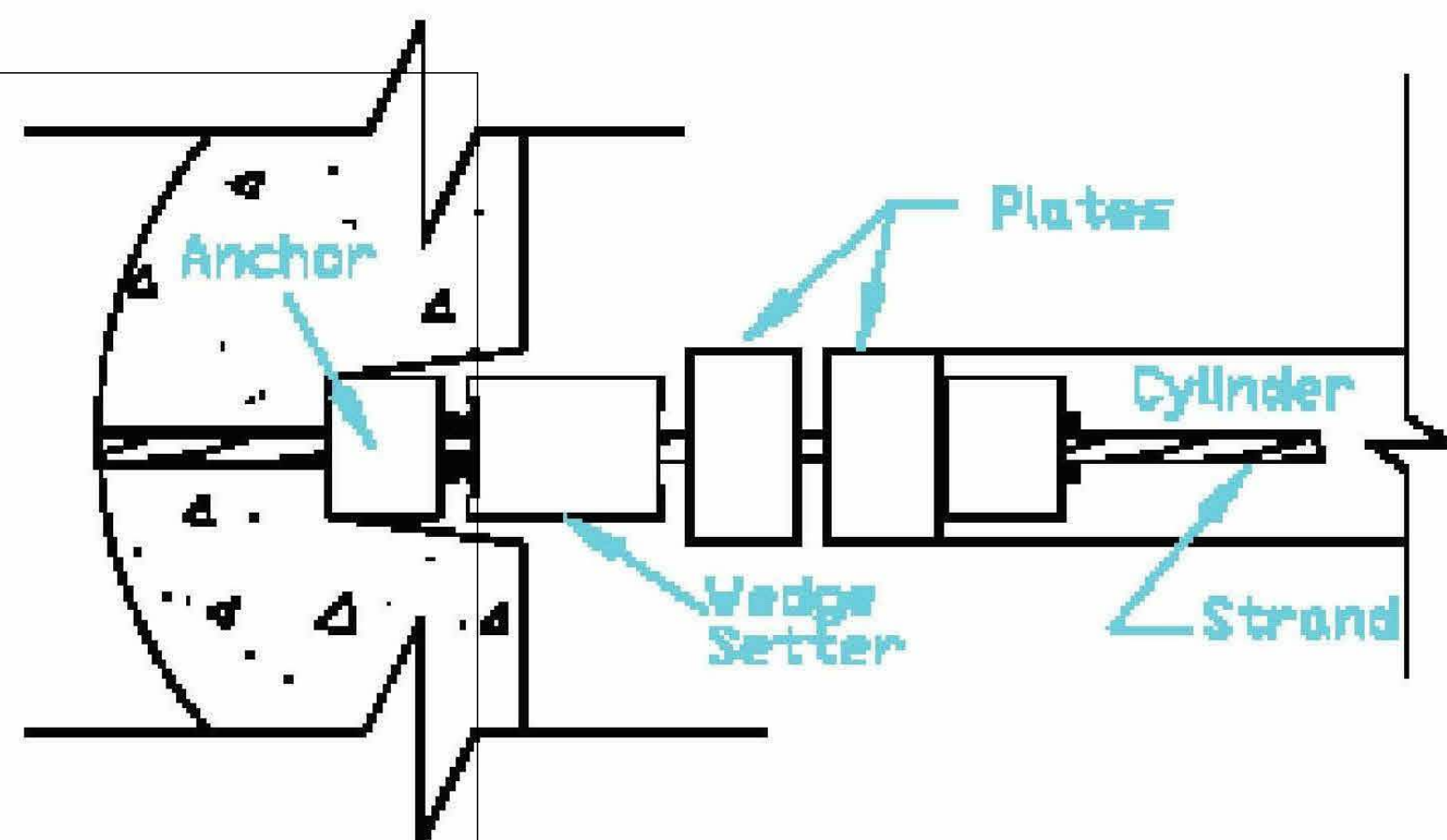
Scale
Drawn By SDU
Issue Date 7/2/2024 10:16:33 AM
Building Production

S1.09

NOTE:
The charts are provided as samples only and that the views may differ from your actual machinery. Always refer to your manufacturer's operation manual and the certified calibration chart provided at time of certification. Tension machinery should be calibrated at least once per year by authorized and certified testing companies and pressure charts updated. Follow all recommended safety instructions and procedures during the operation of tensioning machinery.



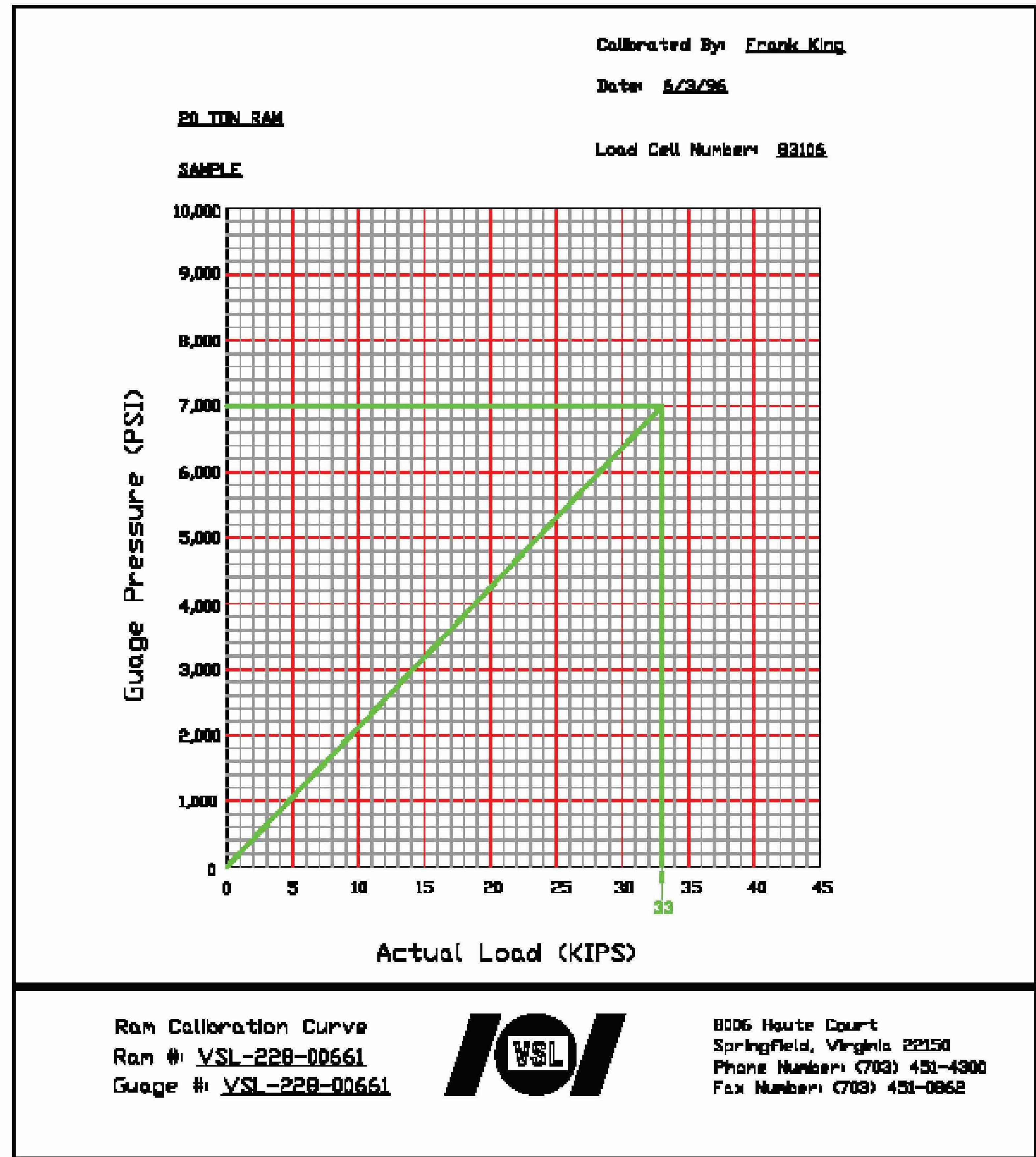
Cross Section



Plan

STATE STAMP

ENG STAMP



DATE	DESCRIPTION	INI	REV #
5/22/2023	For Architectural Review		1
7/2/2024	For Structural Review		2

Rechlorination Station

CJ 914

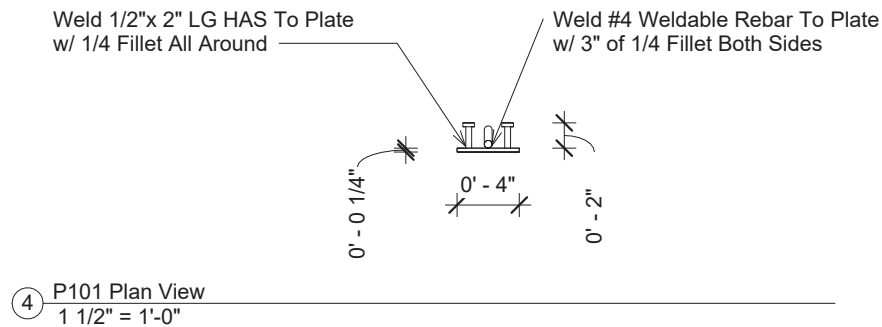
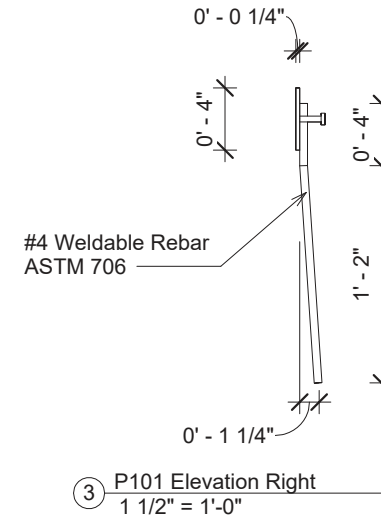
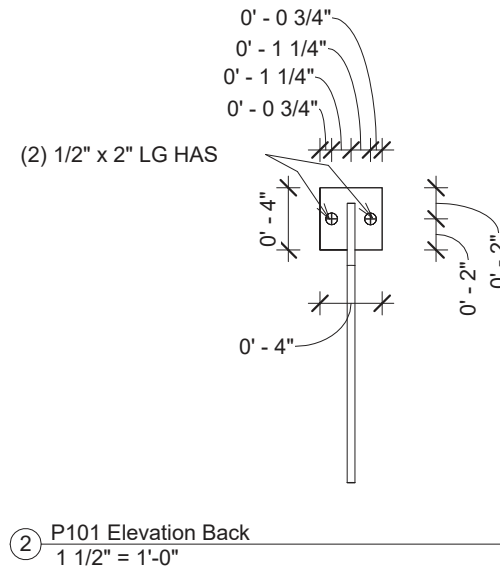
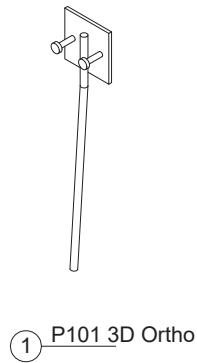
Scale

Drawn By
SDU

Issue Date
7/2/2024 10:16:33 AM

Post Tension
Information

S1.10



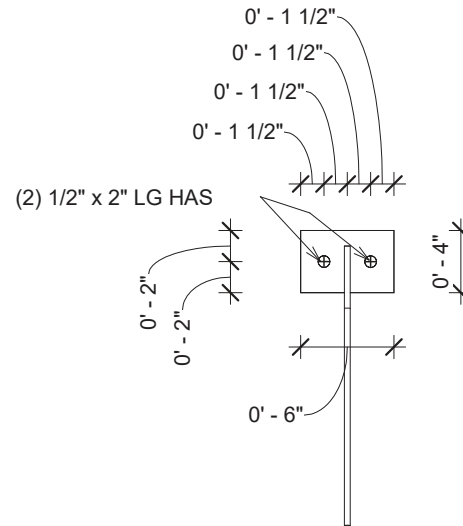
LC Embedded Hardware

P101 4x4 Weld Plate

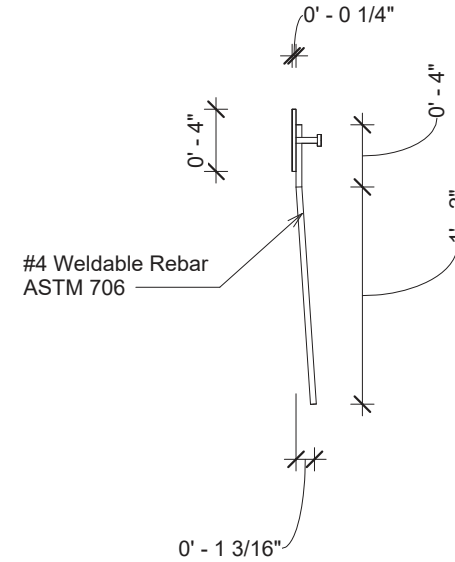
Project number	Project Number	S1.11
Date		
Drawn by	Chad Zachary	
Checked by	Checker	Scale 1 1/2" = 1'-0"



① P102 3D Ortho



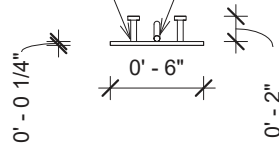
② P102 Elevation Back
1 1/2" = 1'-0"



③ P102 Elevation Right
1 1/2" = 1'-0"

Weld 1/2"x 2" LG HAS To Plate
w/ 1/4 Fillet All Around

Weld #4
Weldable Rebar To Plate
w/ 3" of 1/4" Fillet Both Sides



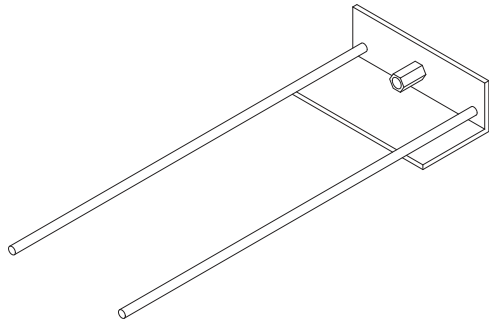
LC Embedded Hardware

P102 4x6 Weld Plate

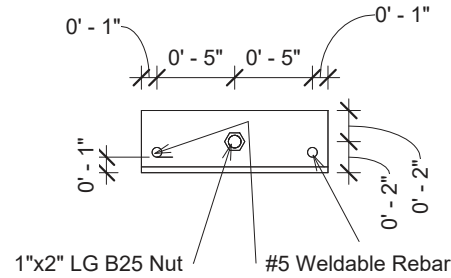
Project number	Project Number
Date	
Drawn by	Chad Zachary
Checked by	Checker

S1.12

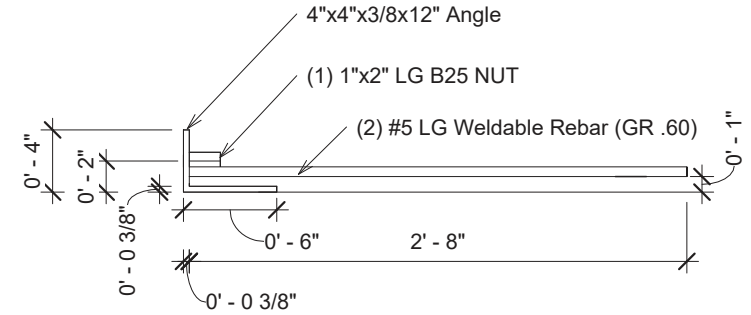
Scale 1 1/2" = 1'-0"



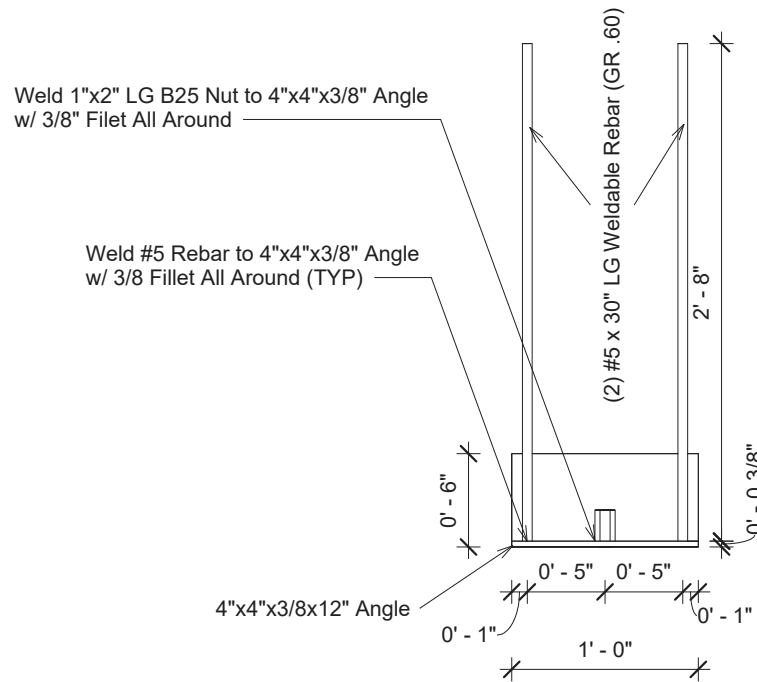
① P103 3D Ortho



② P103 Elevation Back
1 1/2" = 1'-0"



③ P103 Elevation Right
1 1/2" = 1'-0"



④ P103 Plan View
1 1/2" = 1'-0"

LC Embedded Hardware

P103 Lifting Device

Project number	Project Number
Date	
Drawn by	Chad Zachary
Checked by	Checker

S1.13

Scale 1 1/2" = 1'-0"

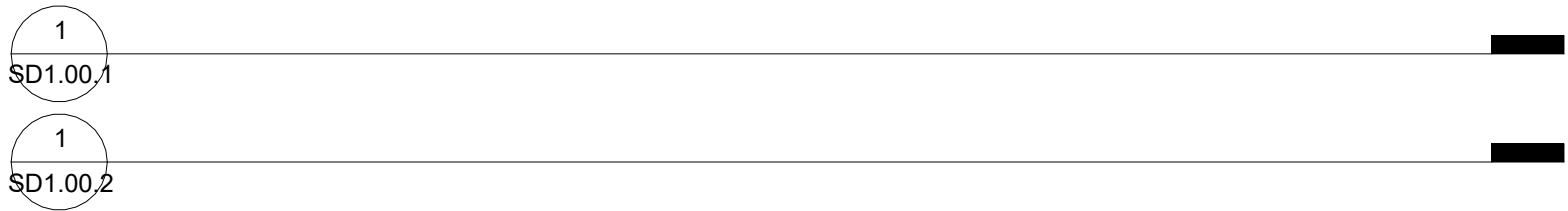
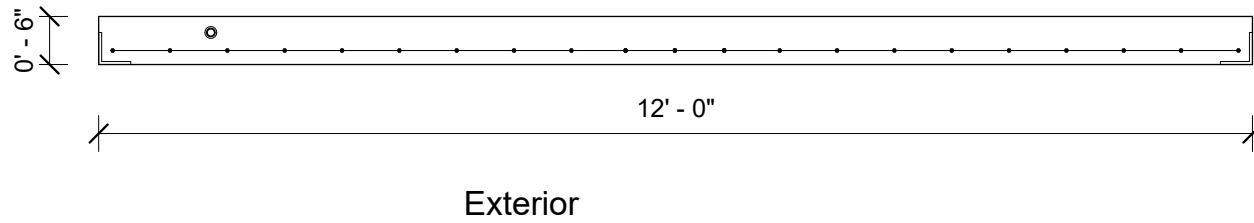
Ellisville Water Main Rechlorination Station

Shop Drawing Cover

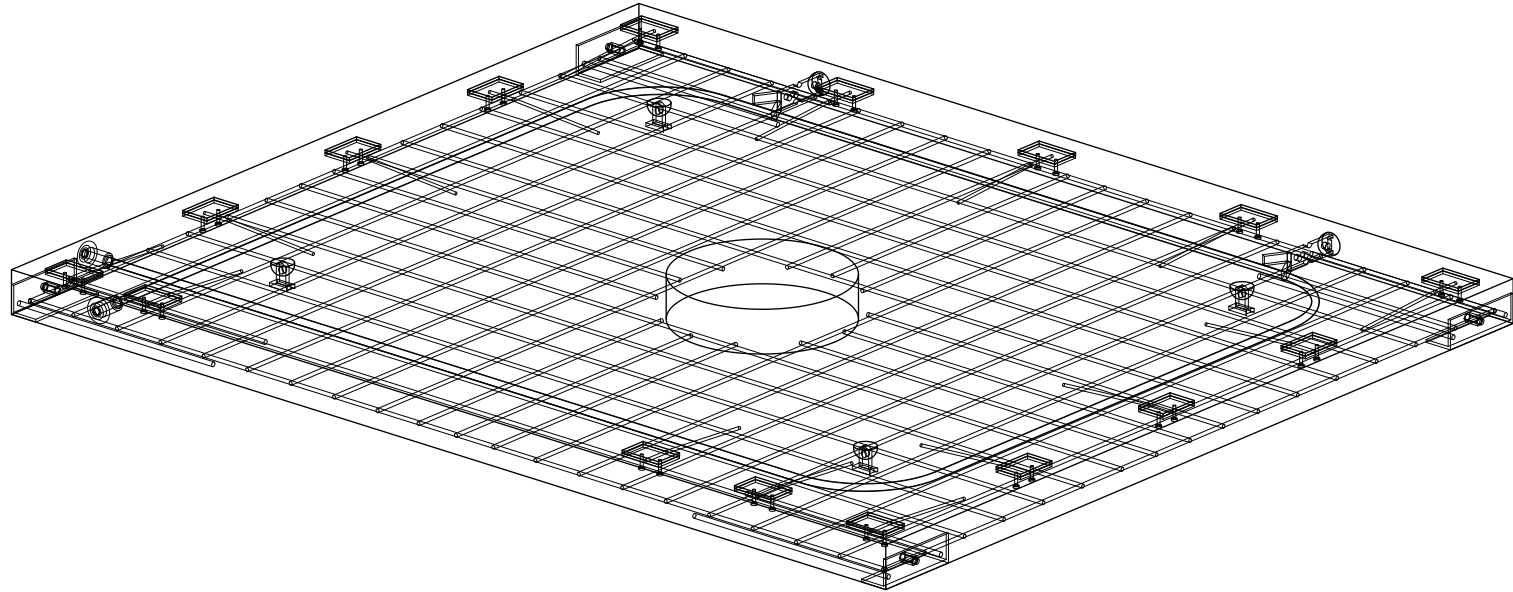
CJ 914

Shop Drawing Cover		
Project number	Project Number	SD0.00
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	Scale

Interior Down In Form



2 FP 1 Elevation Front
1/2" = 1'-0"

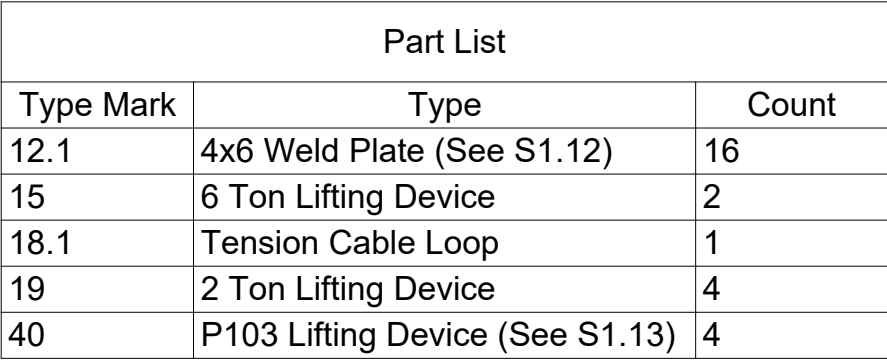


1 FP 1 3D Ortho

Material Takeoff	
Material: Name	Material: Volume
Concrete, Precast	2.16 CY

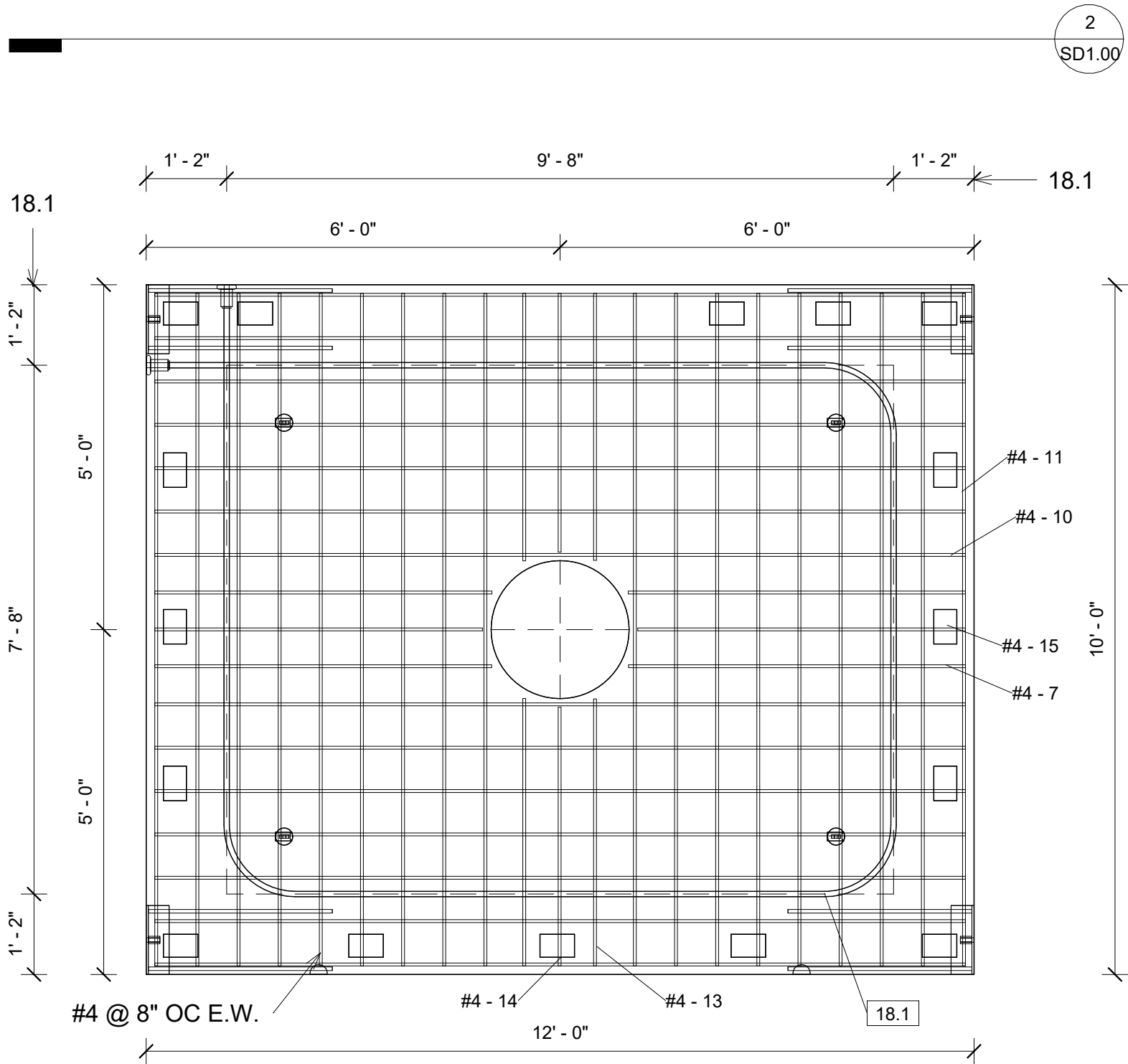
CJ 914

FP 1		
Project number	Project Number	SD1.00
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"



CJ 914

FP 1 Parts		
Project number	Project Number	SD1.00.1
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"



2
SD1.00

Rebar Schedule				
Rebar Number	Bar Diameter	Bar Length	Quantity	Total Bar Length
3	1/2"	3' - 11"	2	7' - 9 1/16"
7	1/2"	4' - 11"	4	19' - 6 15/32"
10	1/2"	11' - 9"	14	164' - 6"
11	1/2"	9' - 9"	18	175' - 6"
13	1/2"	3' - 10"	2	7' - 8 7/8"
14	1/2"	3' - 9"	2	7' - 6"
15	1/2"	4' - 9"	2	9' - 6"
			44	392' - 0 7/16"

1 FP 1 Reinforcement
1/2" = 1'-0"

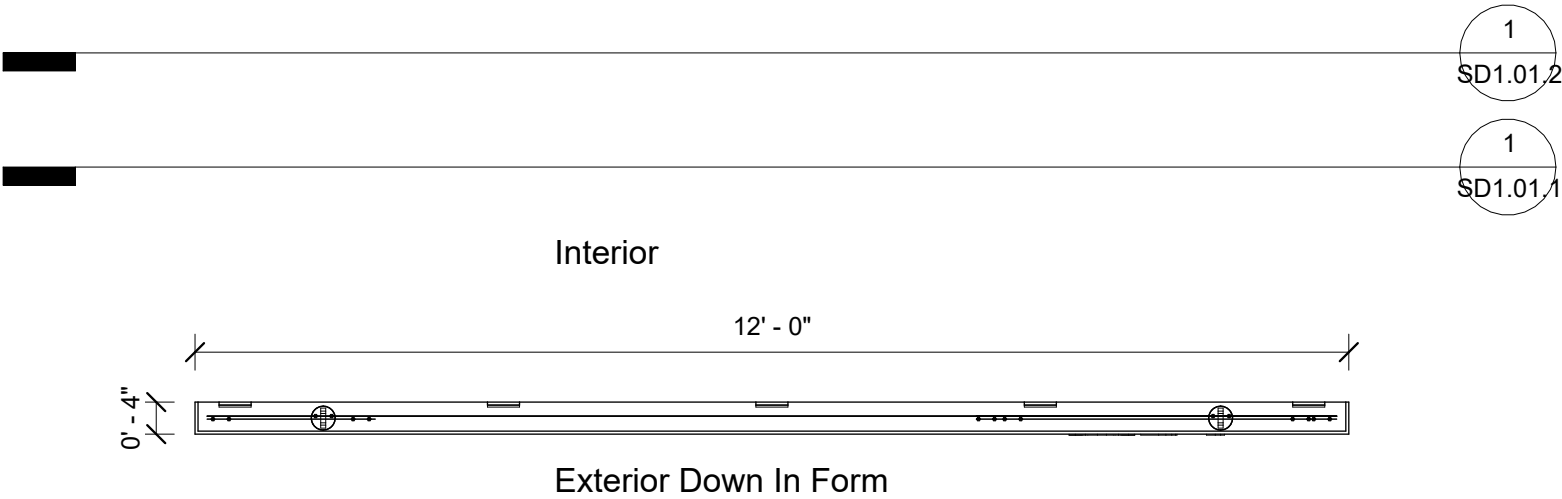
CJ 914

FP 1 Reinforcement

Project number	Project Number
Date	7/2/2024
Drawn by	SDU
Checked by	Checker

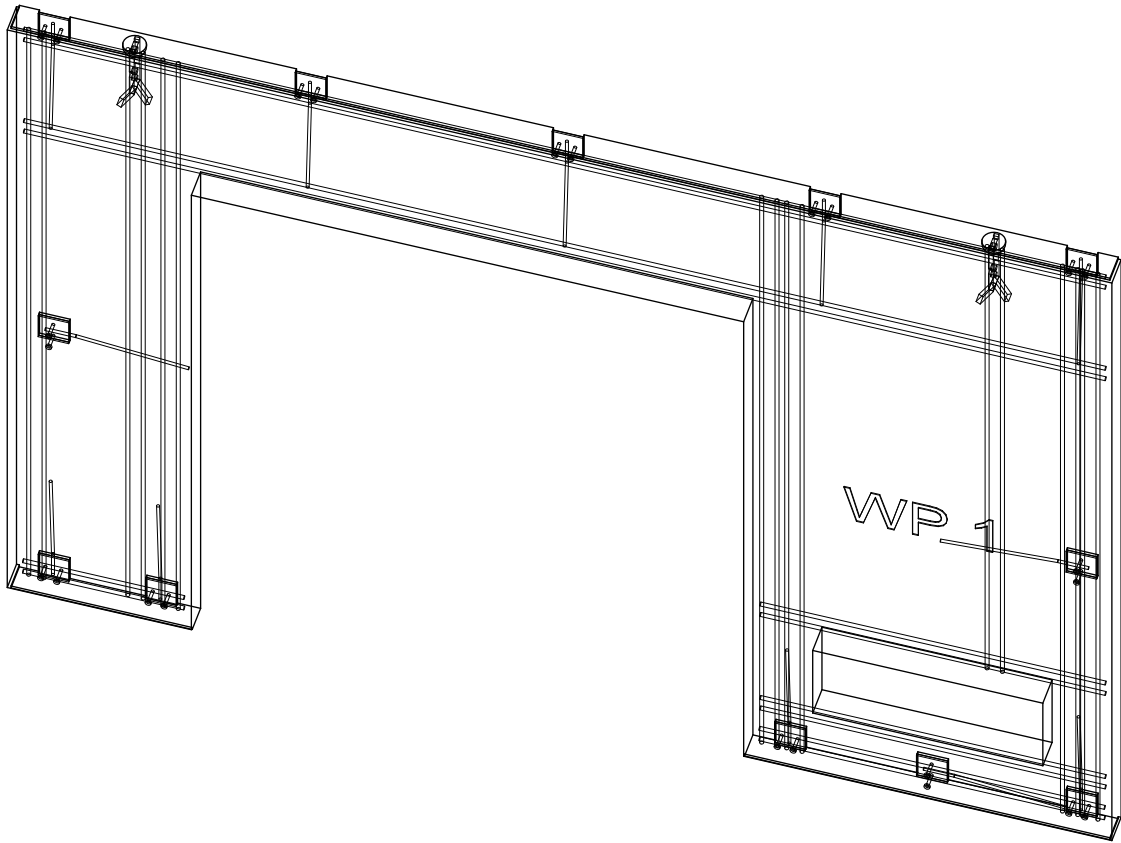
SD1.00.2

Scale 1/2" = 1'-0"

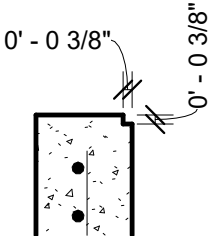


2 WP 1 Plan View
1/2" = 1'-0"

Material Takeoff	
Material: Name	Material: Volume
Concrete, Precast	0.78 CY



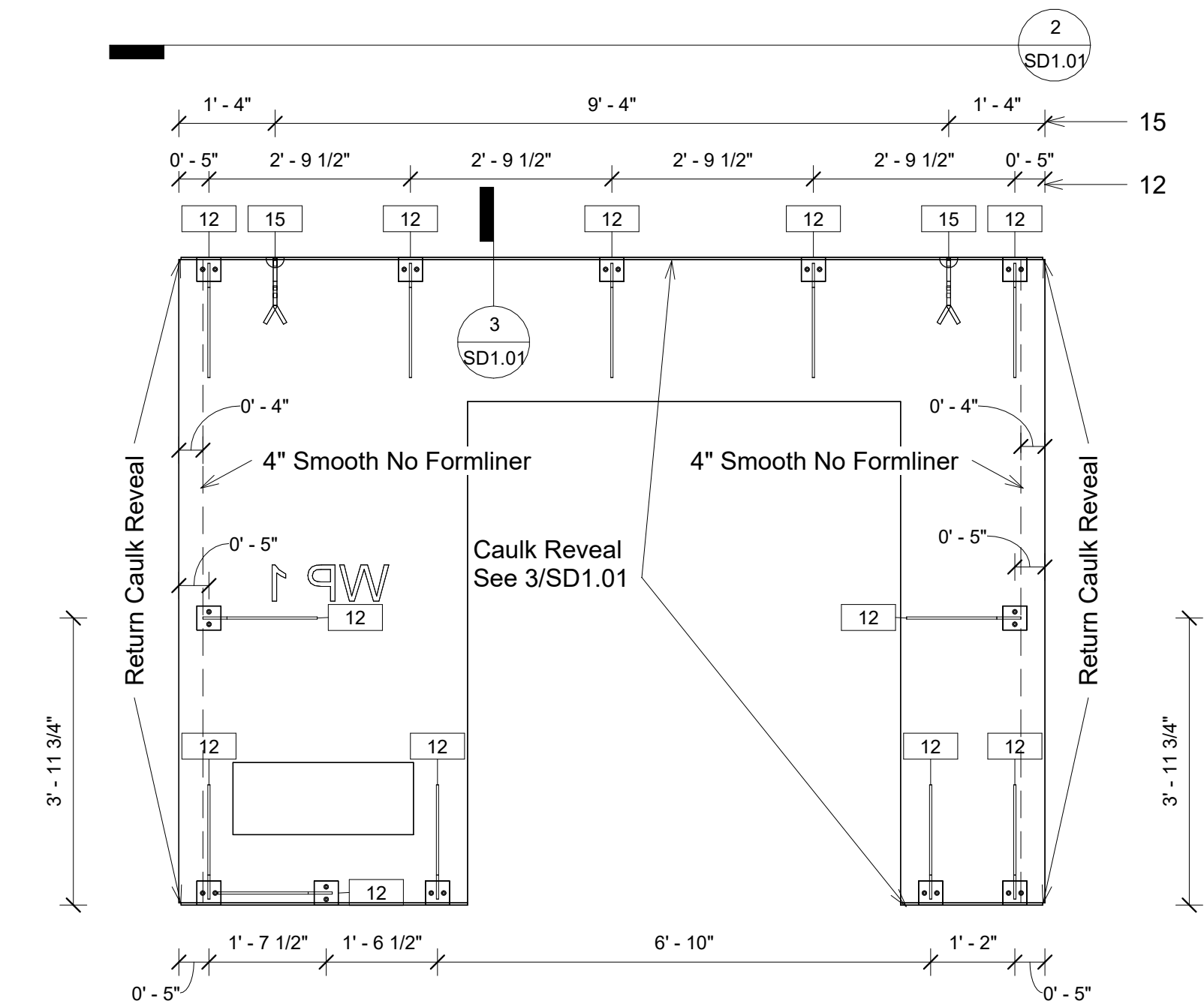
1 WP 1 3D Ortho



3 Typical Caulk Reveal
1 1/2" = 1'-0"

CJ 914

WP1		
Project number	Project Number	SD1.01
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale As indicated



① WP 1 Parts
1/2" = 1'-0"

Part List		
Type Mark	Type	Count
12	4x4 Weld Plate (See S1.11)	12
15	6 Ton Lifting Device	2

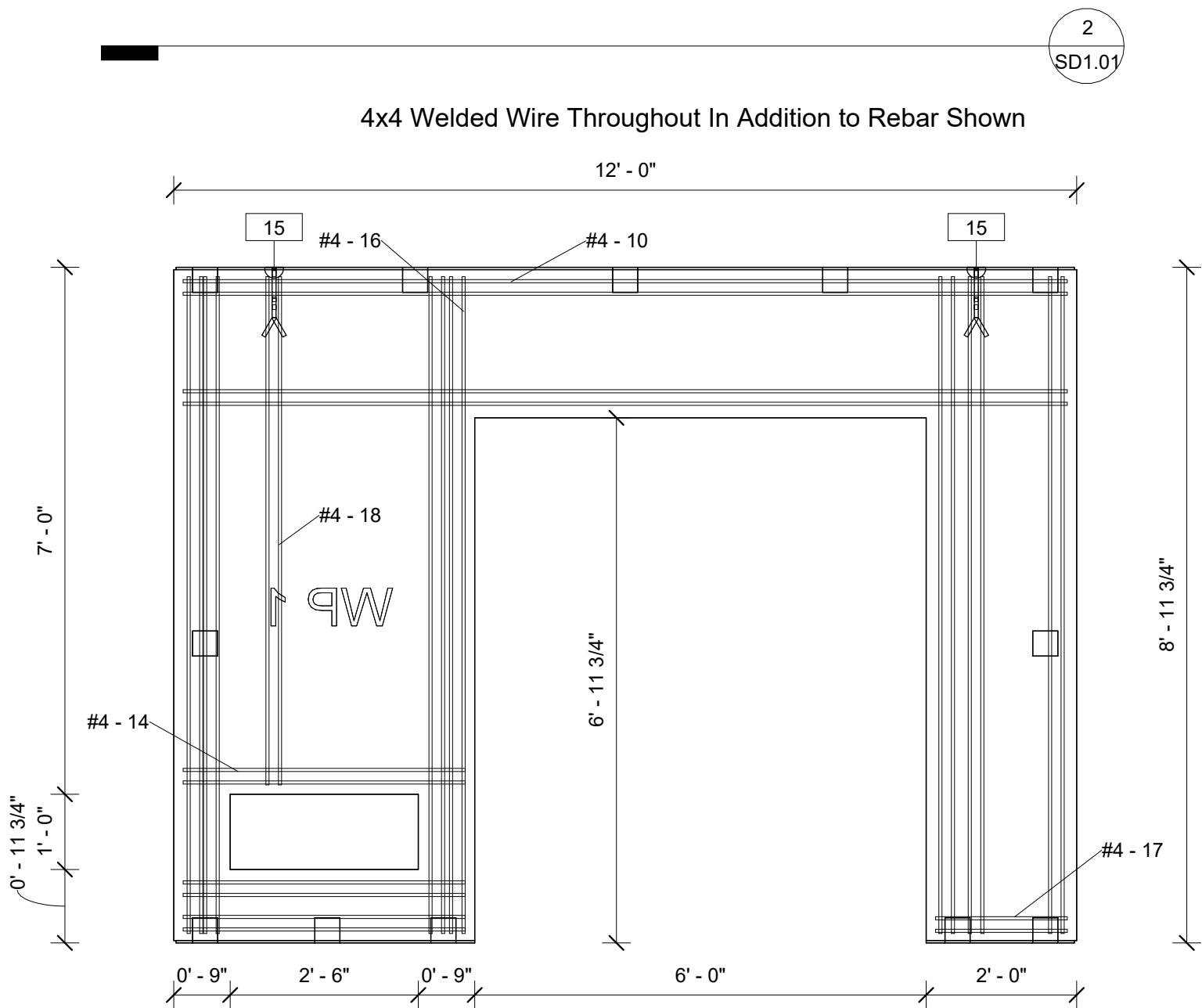
CJ 914

WP1 Parts

Project number	Project Number
Date	7/2/2024
Drawn by	SDU
Checked by	Checker

SD1.01.1

Scale 1/2" = 1'-0"



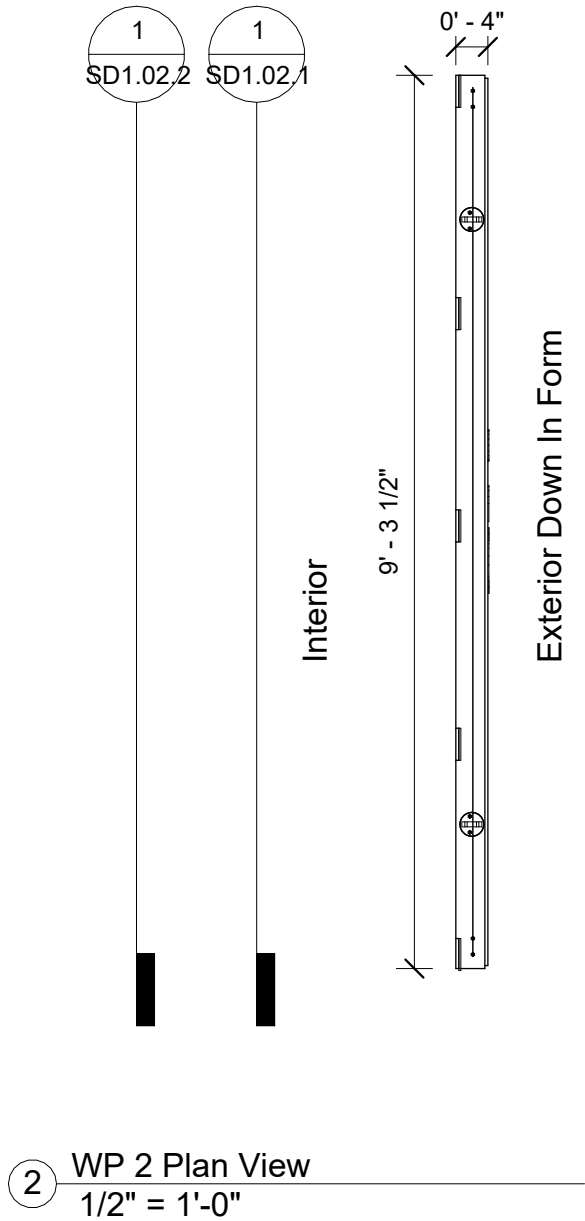
Rebar Placement: (2) #4 @ Edges 1-1/2" From Edge
(2) #4 @ Lifting Devices (15)

Rebar Schedule				
Rebar Number	Bar Diameter	Bar Length	Quantity	Total Bar Length
10	1/2"	11' - 9"	4	47' - 0"
14	1/2"	3' - 9"	6	22' - 6"
16	1/2"	8' - 9"	14	122' - 6"
17	1/2"	1' - 9"	2	3' - 6"
18	1/2"	6' - 9"	2	13' - 6"
			28	209' - 0"

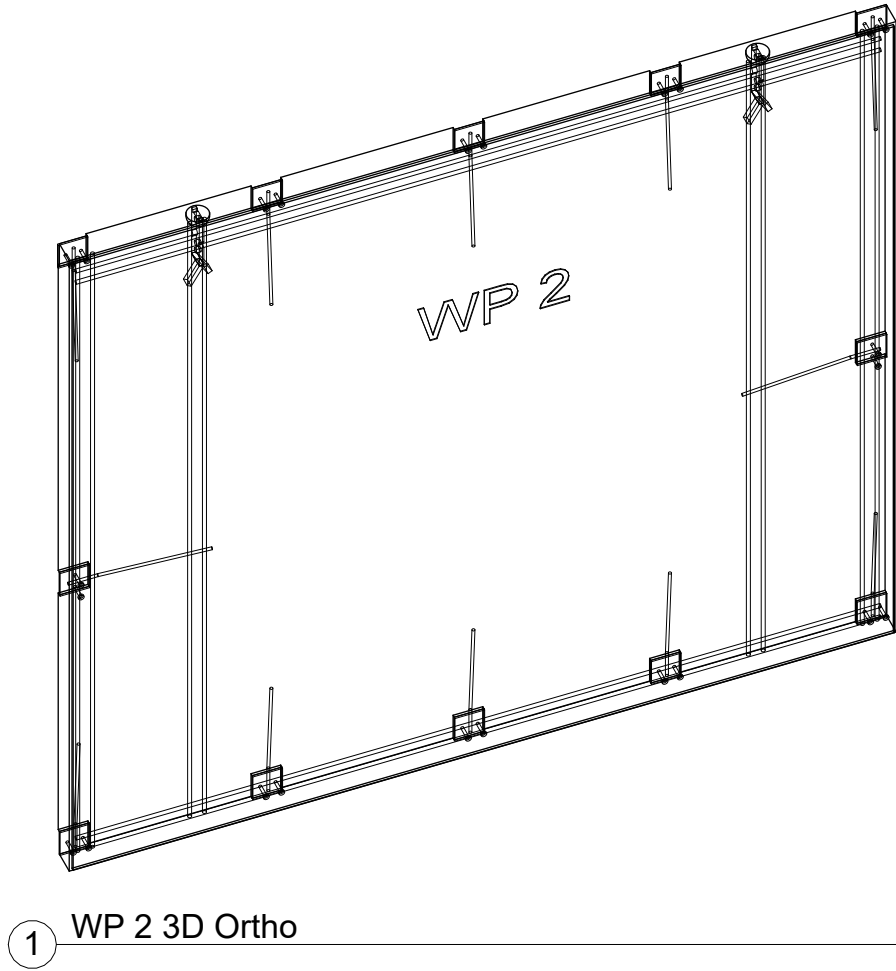
1 WP 1 Reinforcement
1/2" = 1'-0"

CJ 914

WP1 Reinforcement		
Project number	Project Number	SD1.01.2
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"

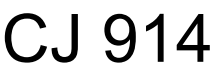


Material Takeoff	
Material: Name	Material: Volume
Concrete, Precast	1.03 CY



CJ 914

WP2		
Project number	Project Number	SD1.02
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	Scale 1/2" = 1'-0"



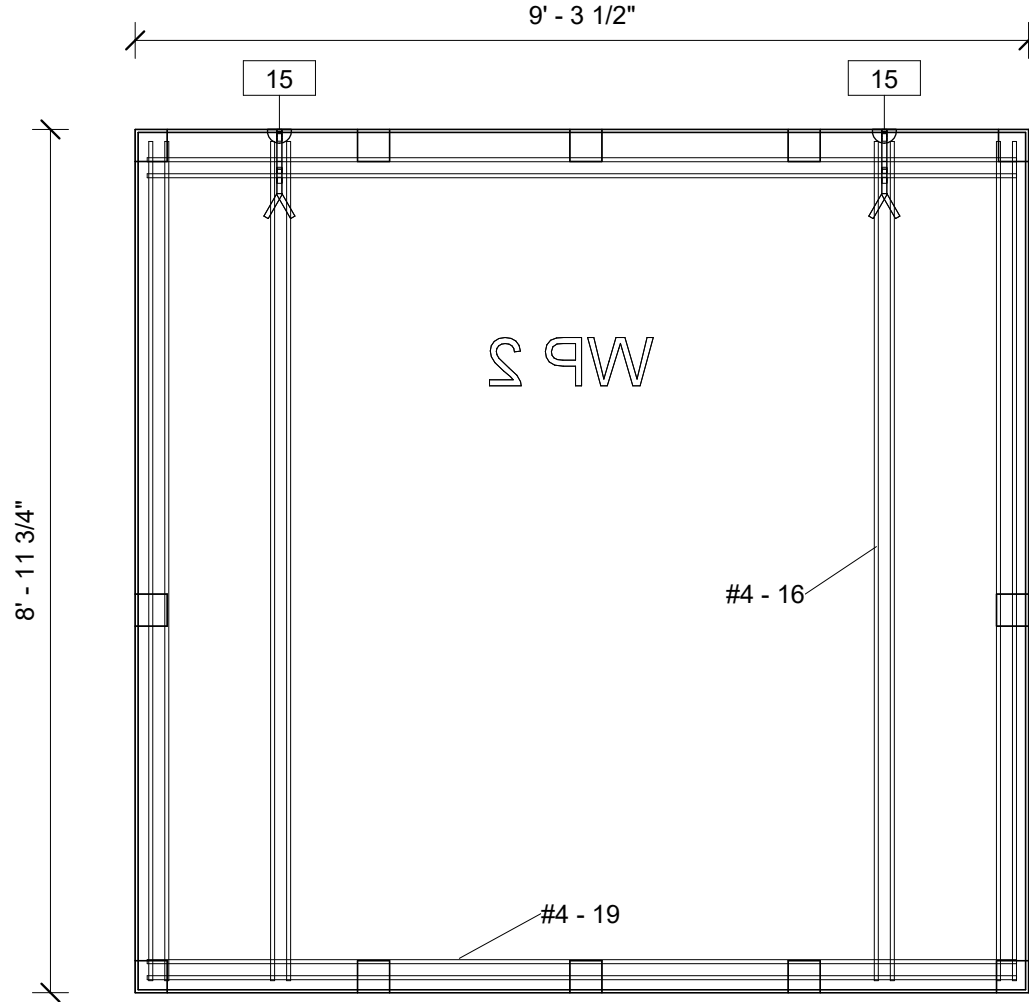
WP2 Parts

Project number	Project Number	SD1.02.1
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"

2

SD1.02

4x4 Welded Wire Throughout In Addition to Rebar Shown



Rebar Placement: (2) #4 @ Edges 1-1/2" From Edge
(2) #4 @ Lifting Devices (15)

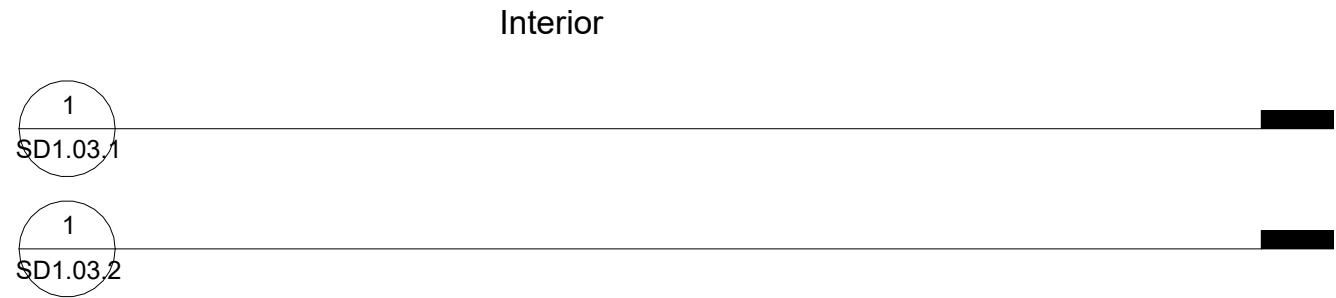
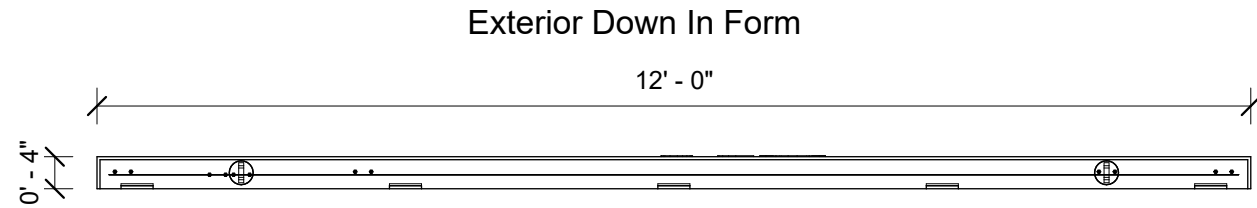
1

WP 2 Reinforcement
1/2" = 1'-0"

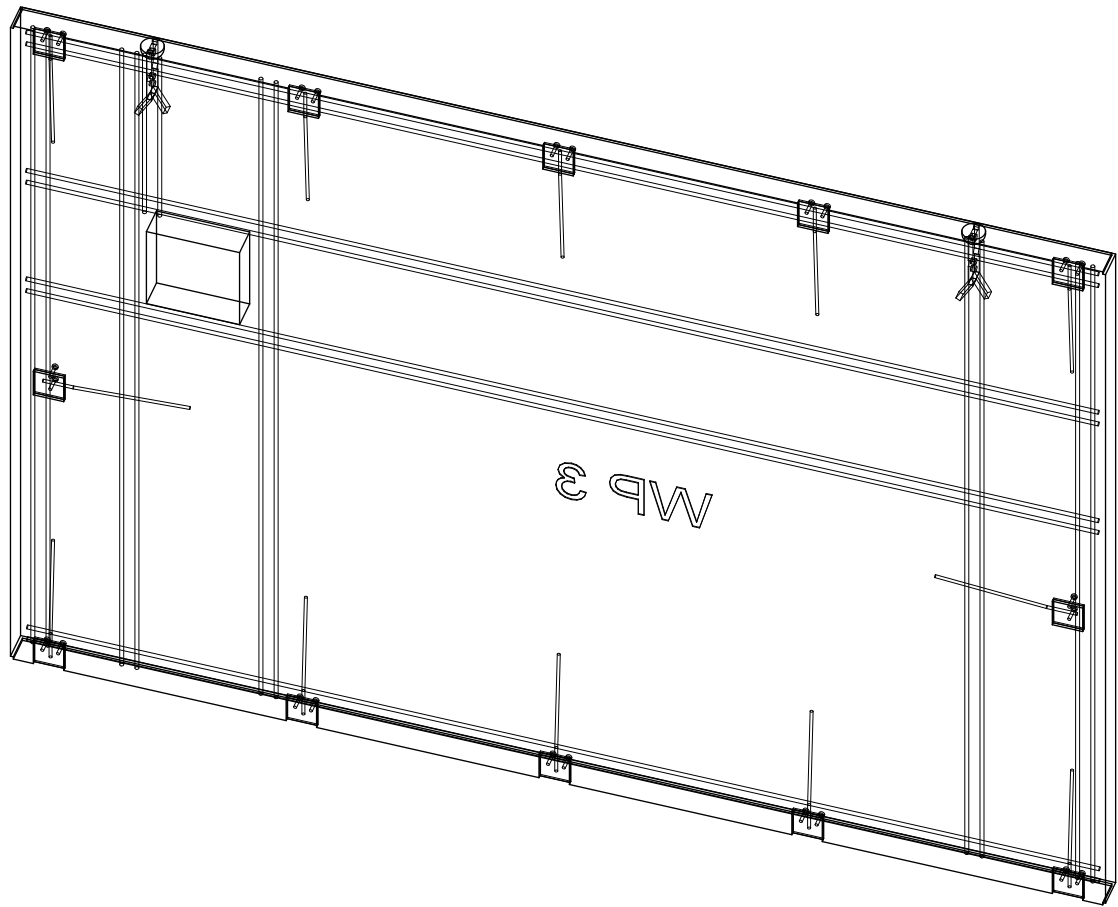
Rebar Schedule				
Rebar Number	Bar Diameter	Bar Length	Quantity	Total Bar Length
16	1/2"	8' - 9"	8	70' - 0"
19	1/2"	9' - 1"	4	36' - 4"
			12	106' - 4"

CJ 914

WP2 Reinforcement		
Project number	Project Number	SD1.02.2
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"



2 WP 3 Plan View
1/2" = 1'-0"

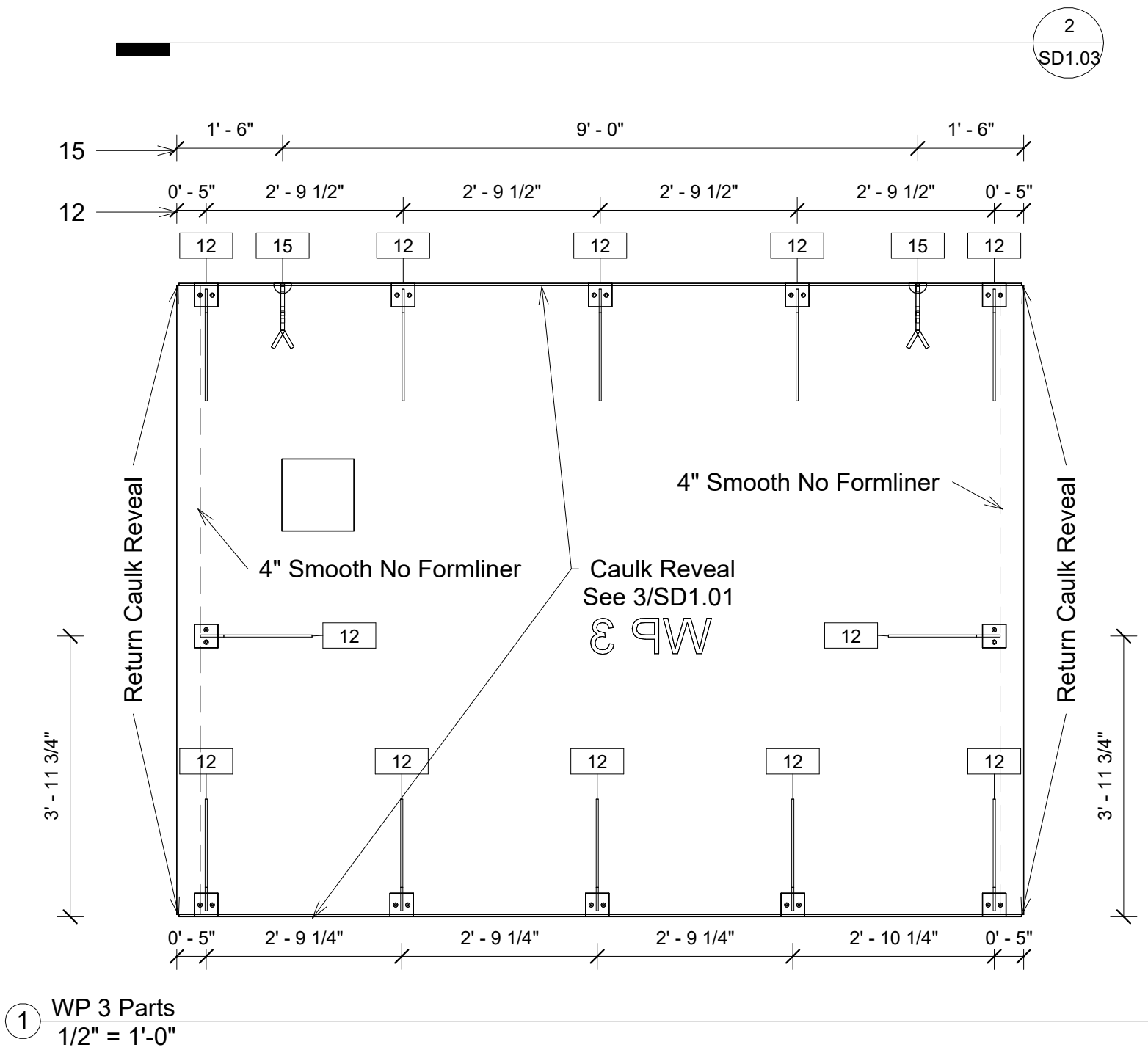


1 WP 3 3D Ortho

Material Takeoff	
Material: Name	Material: Volume
Concrete, Precast	1.31 CY

CJ 914

WP 3		
Project number	Project Number	SD1.03
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"

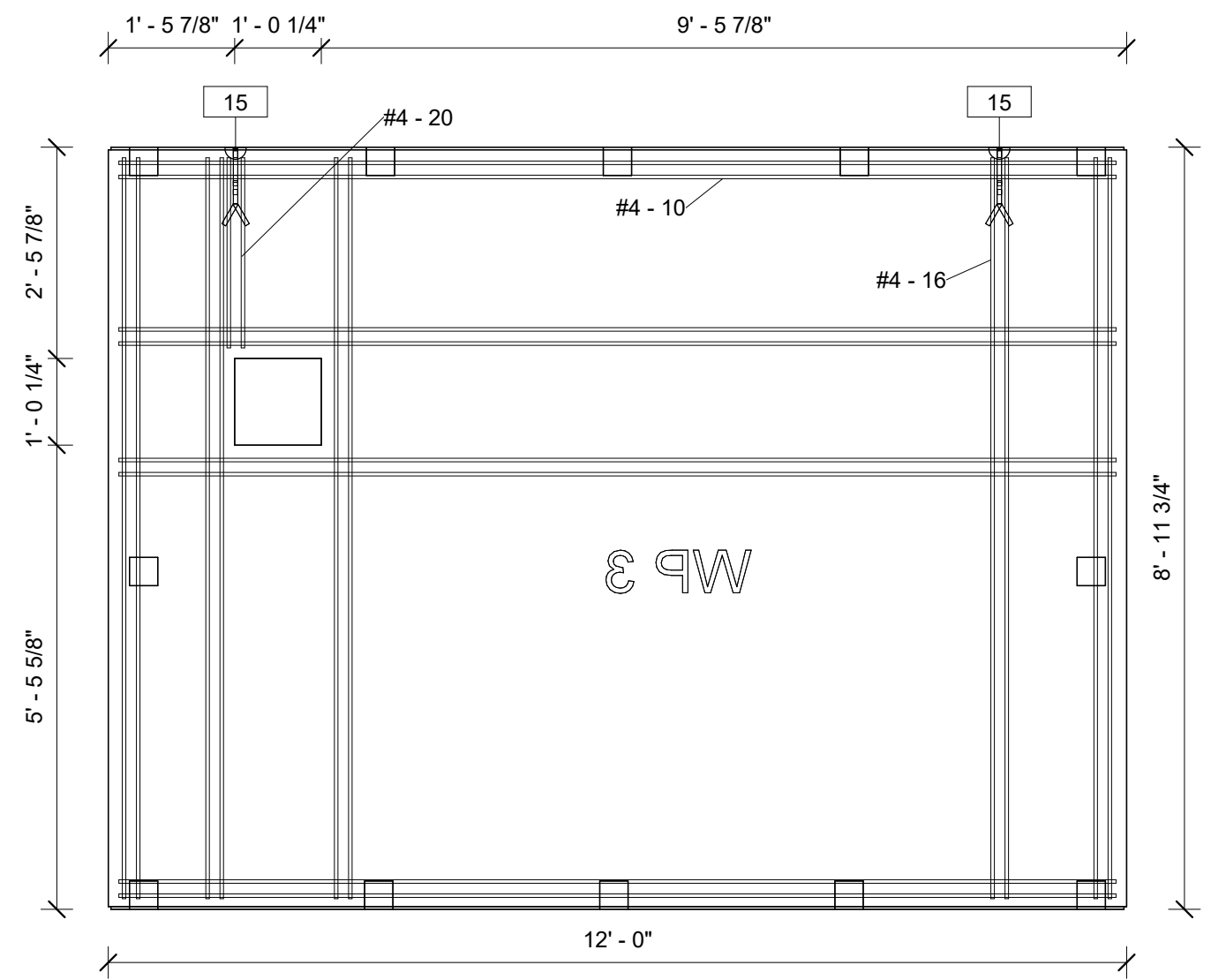


Part List		
Type Mark	Type	Count
12	4x4 Weld Plate (See S1.11)	12
15	6 Ton Lifting Device	2

CJ 914

WP 3 Parts		
Project number	Project Number	SD1.03.1
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"

4x4 Welded Wire Throughout In Addition to Rebar Shown



Rebar Placement: (2) #4 @ Edges 1-1/2" From Edge
(2) #4 @ Lifting Devices (15)

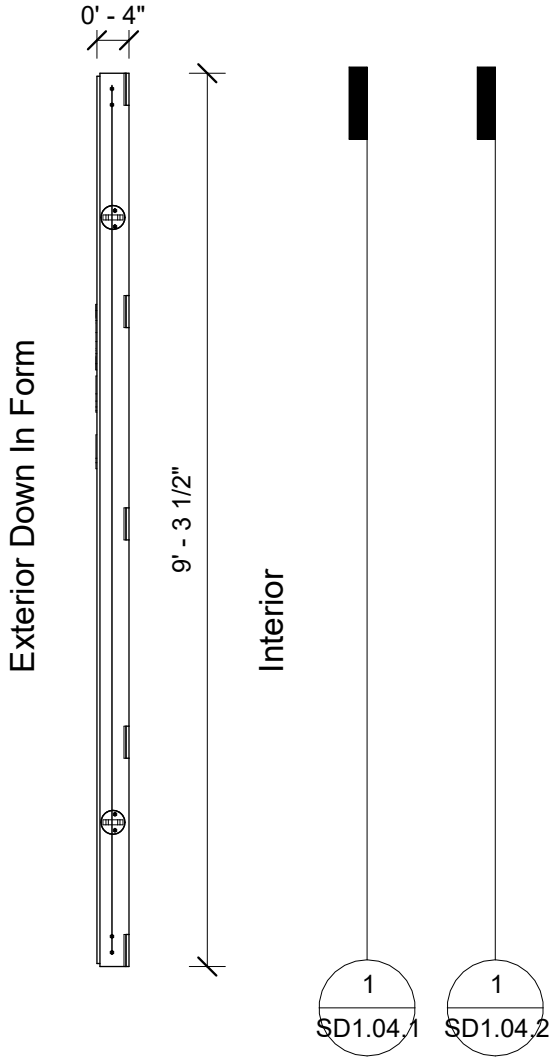
1 WP 3 Reinforcement
1/2" = 1'-0"

Rebar Schedule				
Rebar Number	Bar Diameter	Bar Length	Quantity	Total Bar Length
10	1/2"	11' - 9"	8	94' - 0"
16	1/2"	8' - 9"	10	87' - 6"
20	1/2"	2' - 3"	2	4' - 6"
			20	186' - 0"

CJ 914

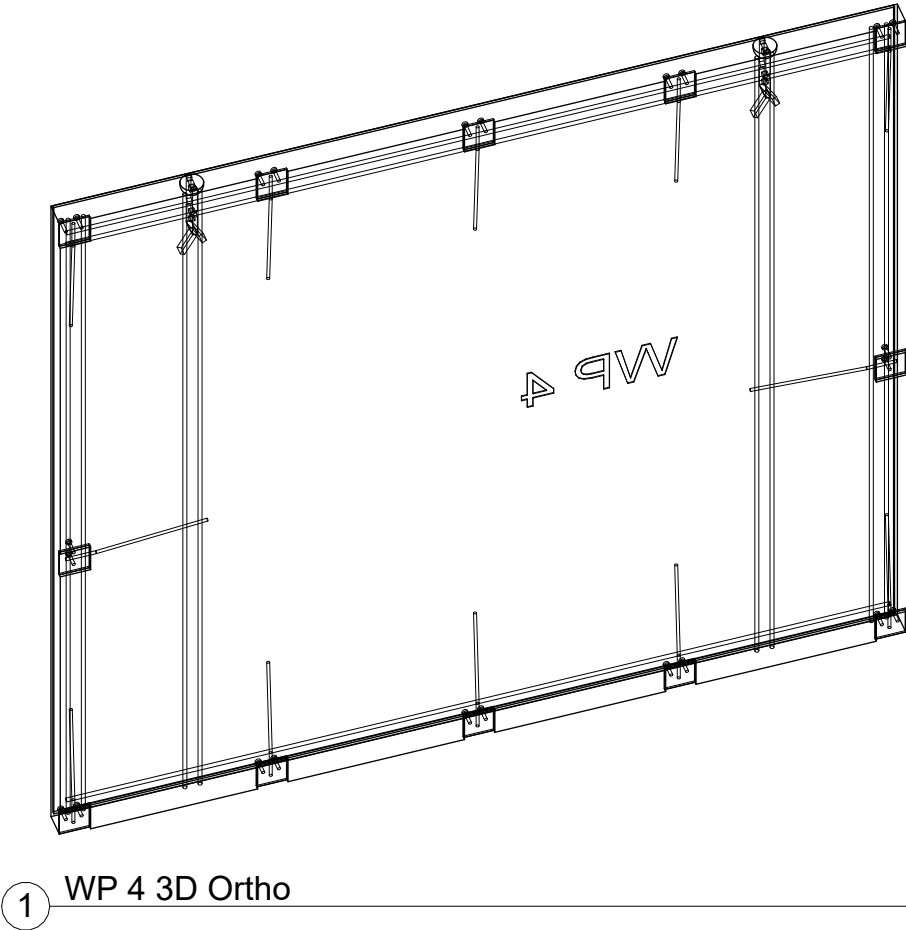
WP 3 Reinforcement

Project number	Project Number	SD1.03.2
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"



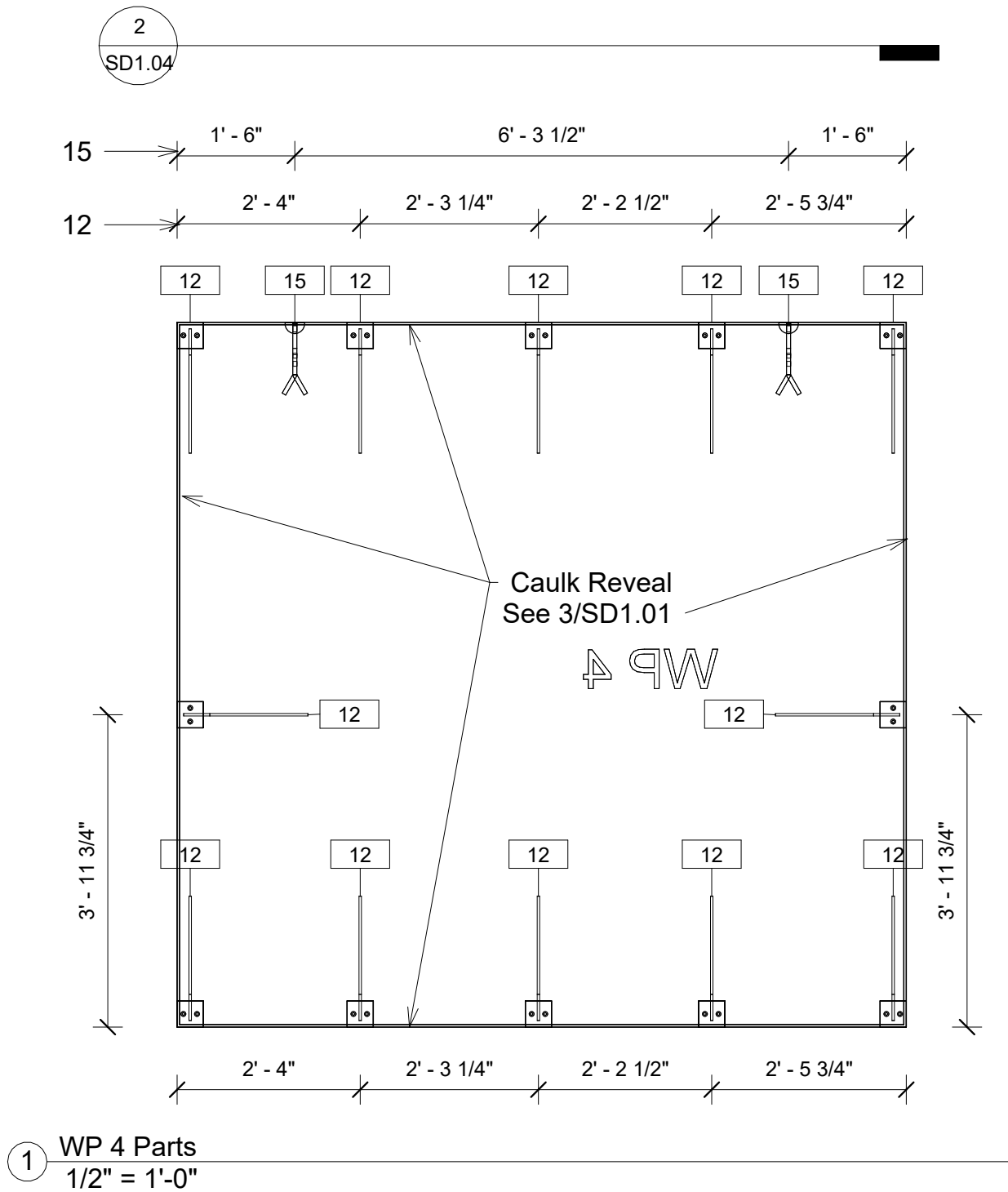
2 WP 4 Plan View
1/2" = 1'-0"

Material Takeoff	
Material: Name	Material: Volume
Concrete, Precast	1.03 CY



CJ 914

WP 4		
Project number	Project Number	SD1.04
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	Scale 1/2" = 1'-0"



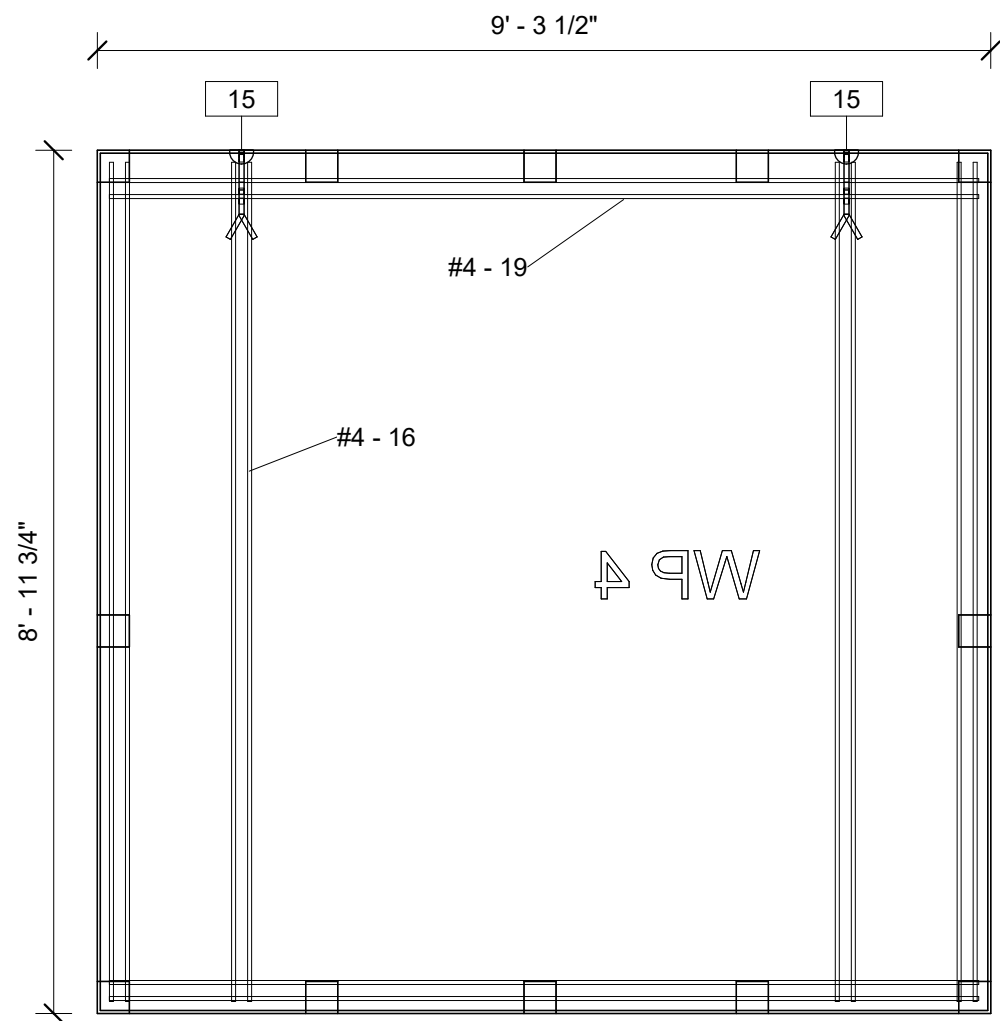
Part List		
Type Mark	Type	Count
12	4x4 Weld Plate (See S1.11)	12
15	6 Ton Lifting Device	2

CJ 914

WP 4 Parts		
Project number	Project Number	SD1.04.1
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"

2
SD1.04

4x4 Welded Wire Throughout In Addition to Rebar Shown



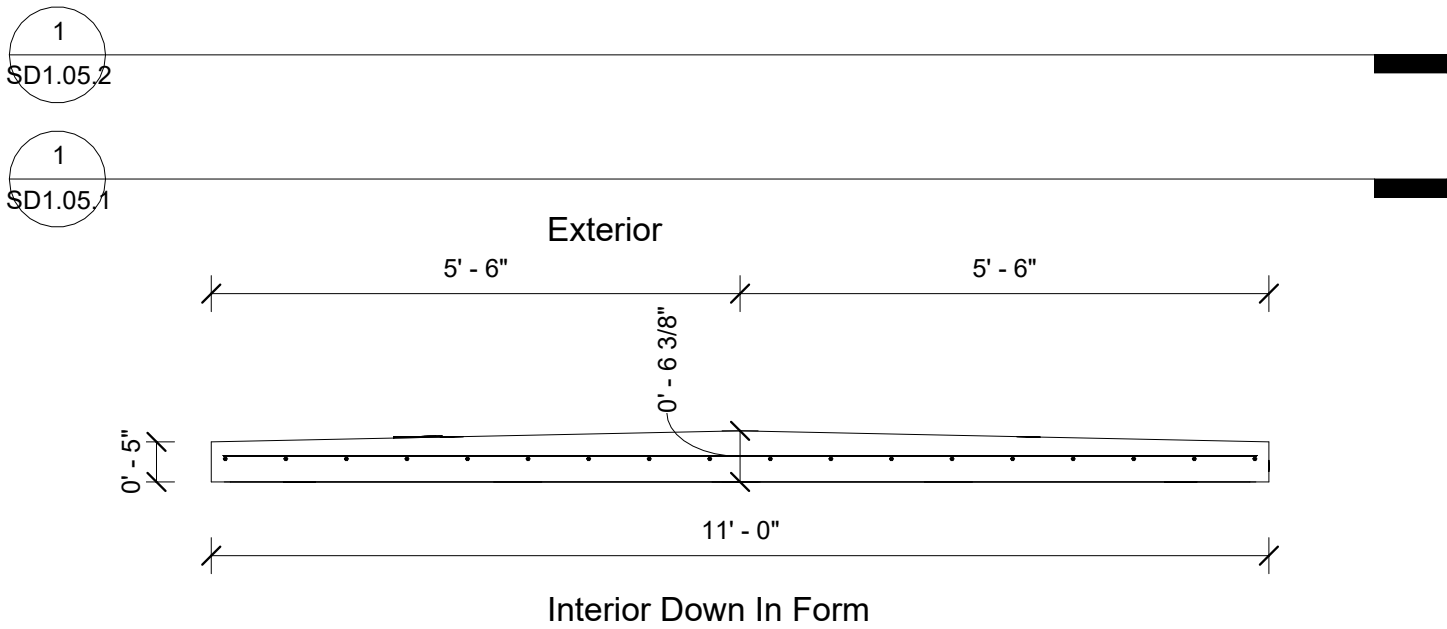
Rebar Placement: (2) #4 @ Edges 1-1/2" From Edge
(2) #4 @ Lifting Devices (15)

1 WP 4 Reinforcement
1/2" = 1'-0"

Rebar Schedule				
Rebar Number	Bar Diameter	Bar Length	Quantity	Total Bar Length
16	1/2"	8' - 9"	8	70' - 0"
19	1/2"	9' - 1"	4	36' - 4"
			12	106' - 4"

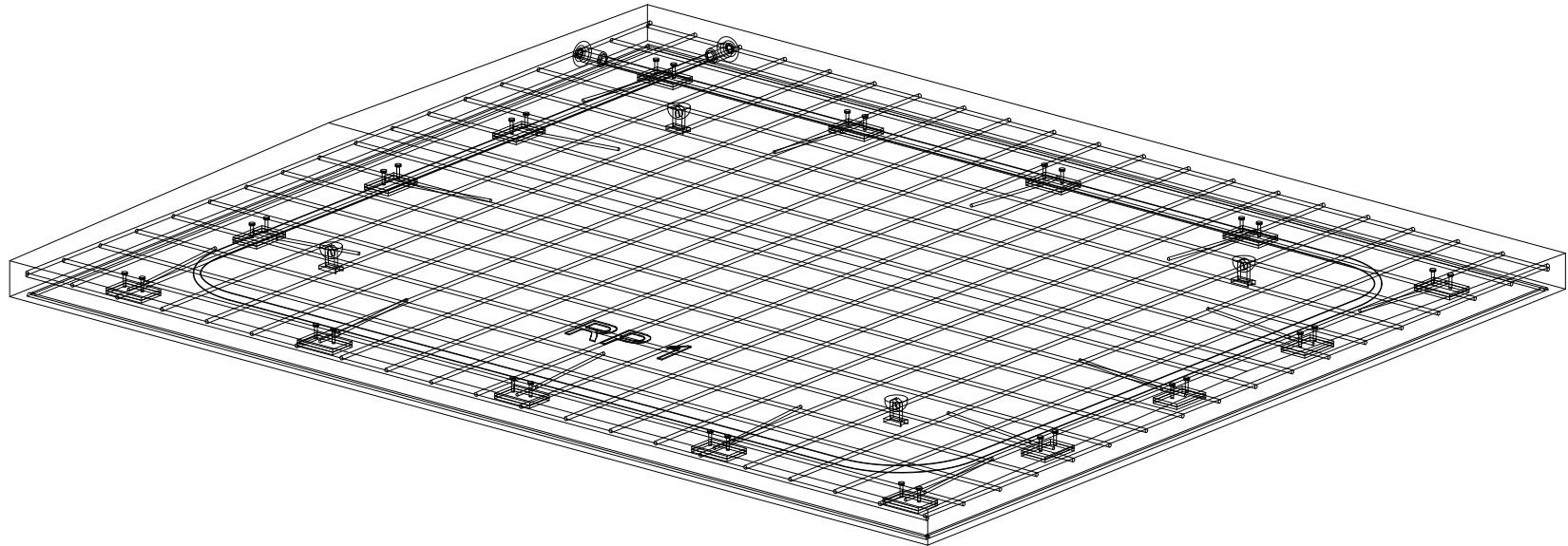
CJ 914

WP 4 Reinforcement		
Project number	Project Number	SD1.04.2
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	
		Scale 1/2" = 1'-0"

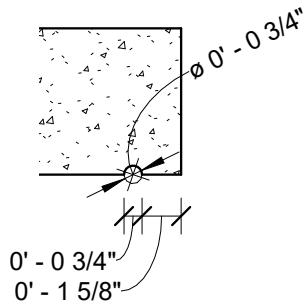


2 RP 1 Elevation Right
1/2" = 1'-0"

Material Takeoff	
Material: Name	Material: Volume
Concrete, Precast	2.50 CY



1 RP 1 3D Ortho



3 Typical Drip Edge
1 1/2" = 1'-0"

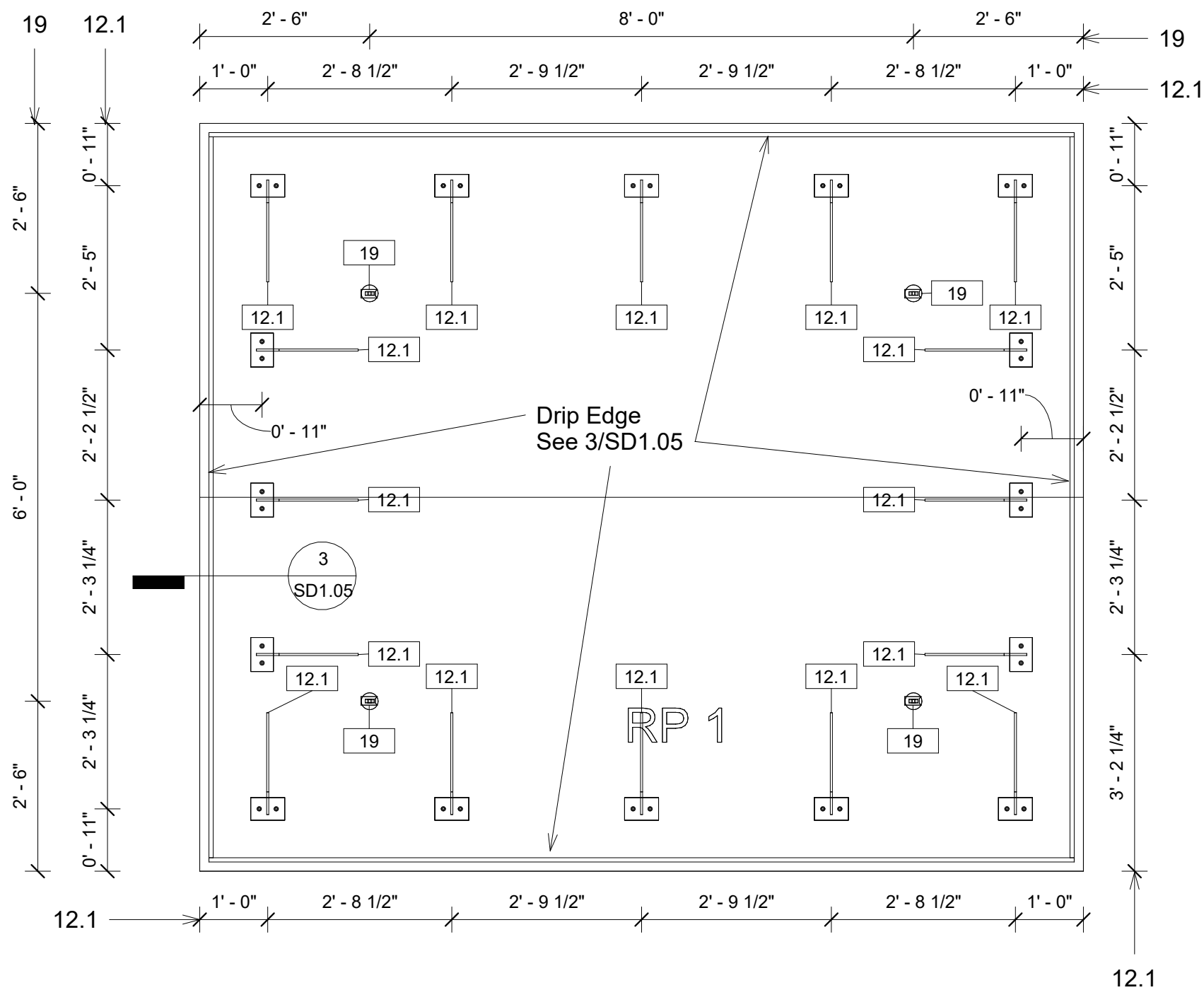
CJ 914

RP 1

Project number	Project Number
Date	7/2/2024
Drawn by	SDU
Checked by	Checker

SD1.05

Scale As indicated



Part List		
Type Mark	Type	Count
12.1	4x6 Weld Plate (See S1.12)	16
18.1	Tension Cable Loop	1
19	2 Ton Lifting Device	4

1 RP 1 Parts
1/2" = 1'-0"

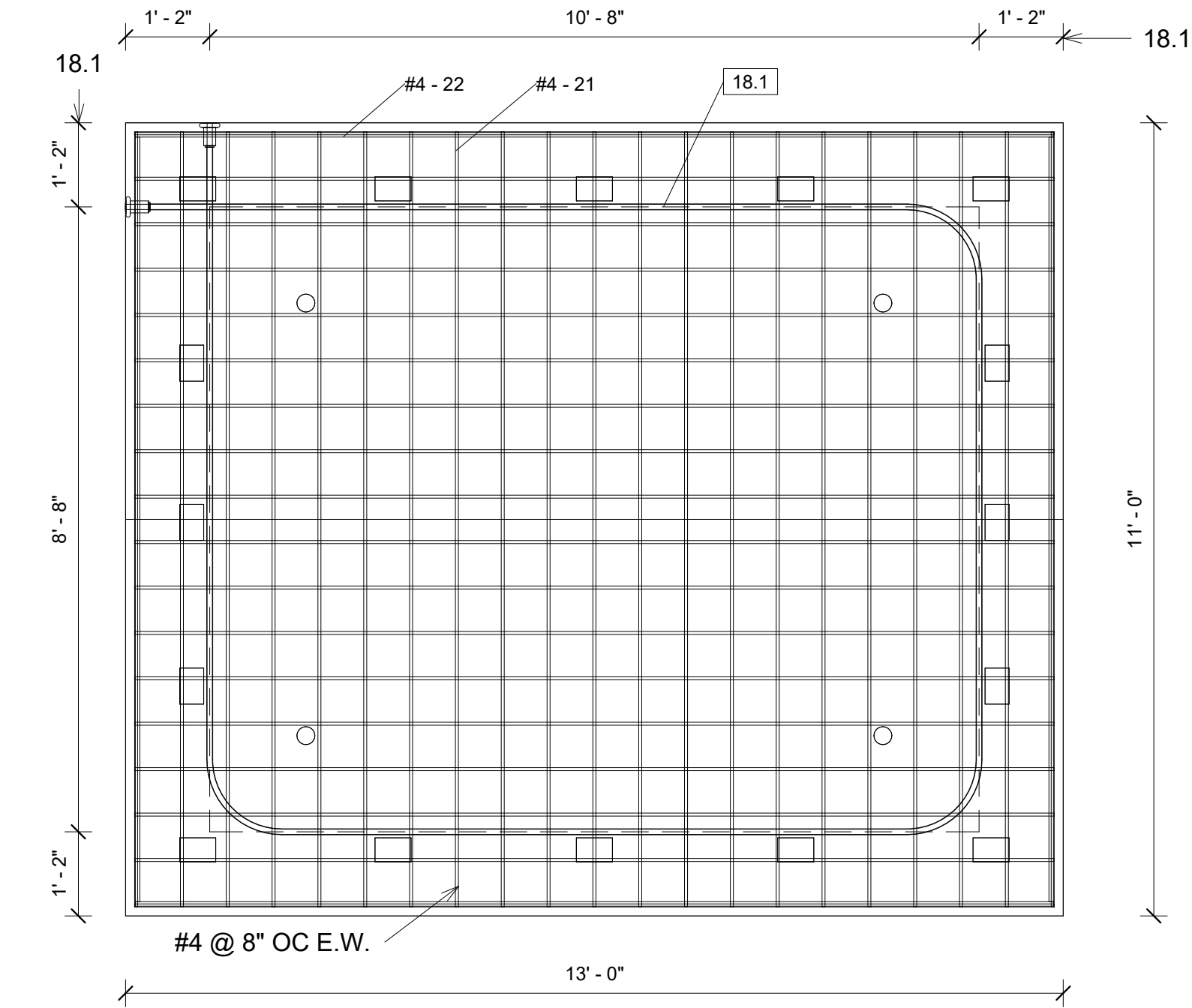
CJ 914

RP 1 Parts

Project number	Project Number
Date	7/2/2024
Drawn by	SDU
Checked by	Checker

SD1.05.1

Scale 1/2" = 1'-0"



① RP 1 Reinforcement
1/2" = 1'-0"

Rebar Schedule				
Rebar Number	Bar Diameter	Bar Length	Quantity	Total Bar Length
21	1/2"	10' - 9"	21	225' - 9"
22	1/2"	12' - 9"	18	229' - 6"
			39	455' - 3"

CJ 914

RP 1 Reinforcement		
Project number	Project Number	SD1.05.2
Date	7/2/2024	
Drawn by	SDU	
Checked by	Checker	Scale 1/2" = 1'-0"