

January 26, 2021

## **ADDENDUM 2 – ALL TRADES**

### **Bid Clarification**

Bid date shall be February 28, 2021

All demo of existing structures/pavement has been completed. Not part of scope of work.

### **Drawings**

Add drawing G100 – general details attached

### **Outline Information Specification**

Finishes – Please delete item #3 and replace with the attached specification from Epoxy Broadcast Coating System as follows, Primer Wear course Coat with broadcast, Grout Coat, and Topcoat A – this system must be installed by a Sherwin Williams qualified installer.

### **Door/Window/Hardware**

Delete window between office and carwash tunnel.

Add Door 14, between office and carwash tunnel - Aluminum door and frame, Push/pull with dead bolt lock and 3 hinges – Heavy Duty

### **Site Equipment**

Please provide a 12” stone base under (site equipment) compressors/pay station concrete slabs.

### **Signage**

Signage will be provided by owner and installed by contractor including all electrical connections and necessary mounting requirements.

### **Water Reclaim System**

All equipment shall be provided (except 3 in ground tanks) by Purwater purchased by owner – all installation shall be performed by contractor. Inground concrete tanks shall be supplied and installed by contractor, size 2,000 gal.

### **Heated Slabs**

Please see attached for equipment/layout of heated concrete slabs – All equipment/materials will be provided by Wash Links/Propak and installed by contractor.

### **Rhino Mat Units**

Please see attached for cut sheet on the Rhino Mat Unit – there will be two (2) units located in the dog wash area – owner will purchase both units and contractor will install/provide all connections (water, power, drain, etc.) as needed for units to operate correctly.

### **Plumbing**

Plumbing Fixtures must meet all ADA requirements!

Contractor shall provide/install a 1" air line from the compressor located in equipment tunnel to each compressor pad located on site plans.

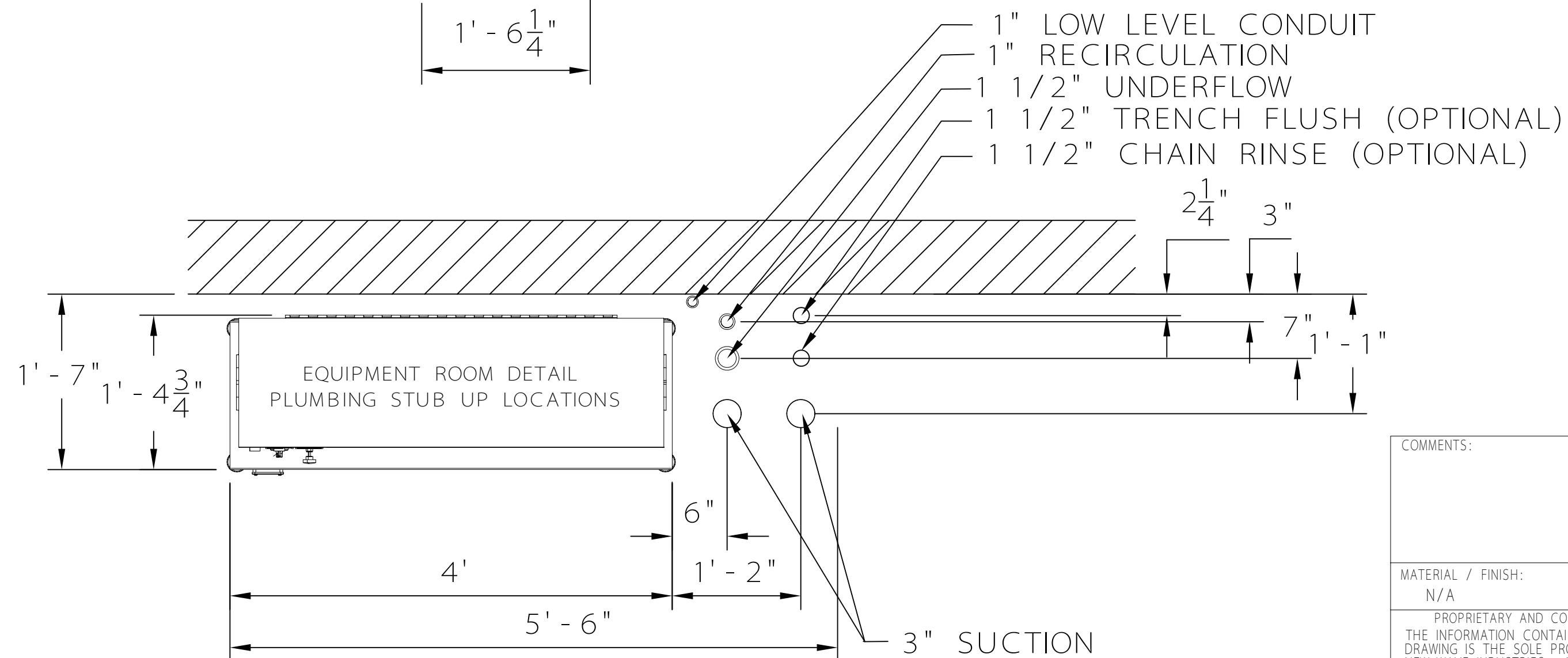
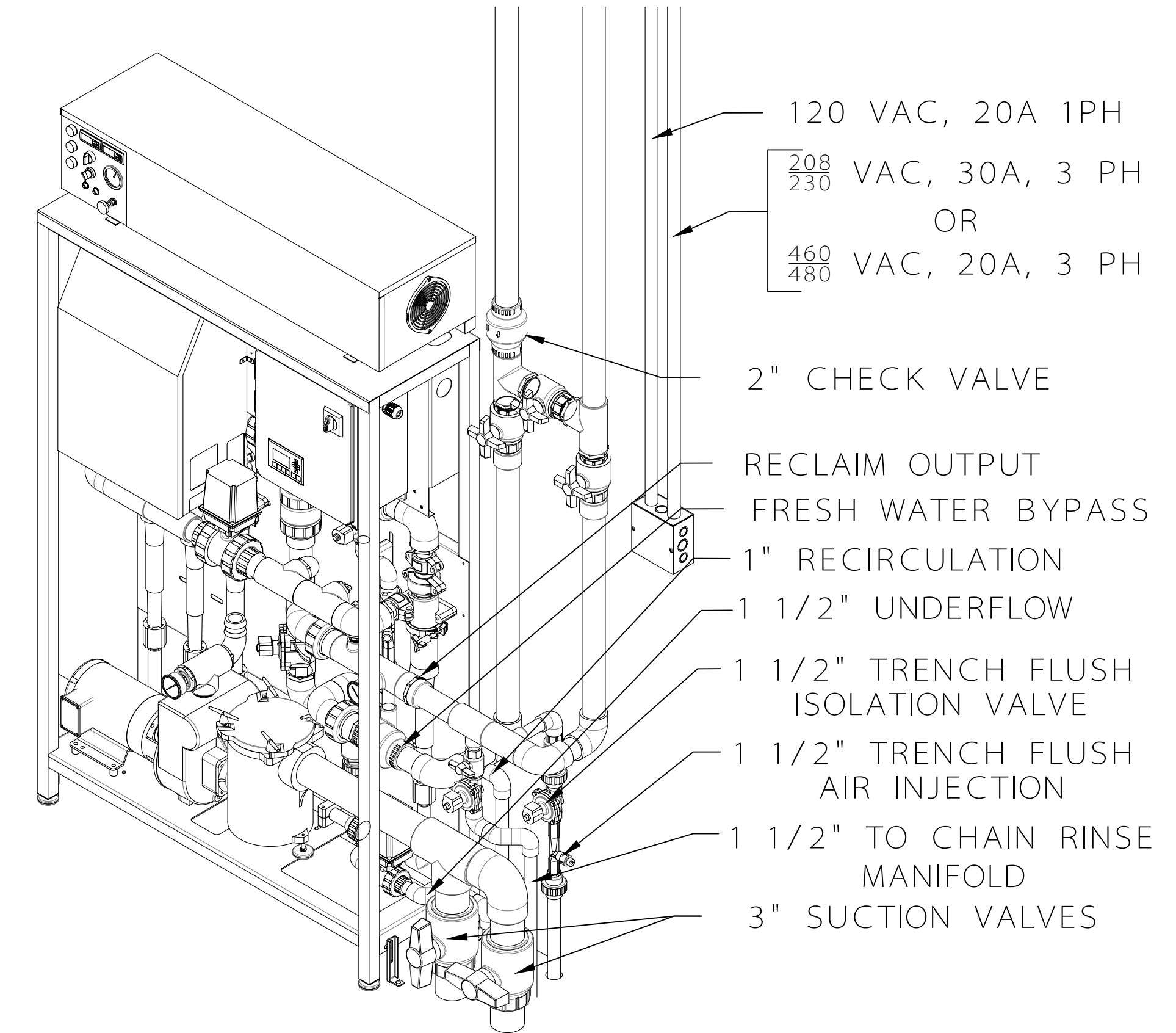
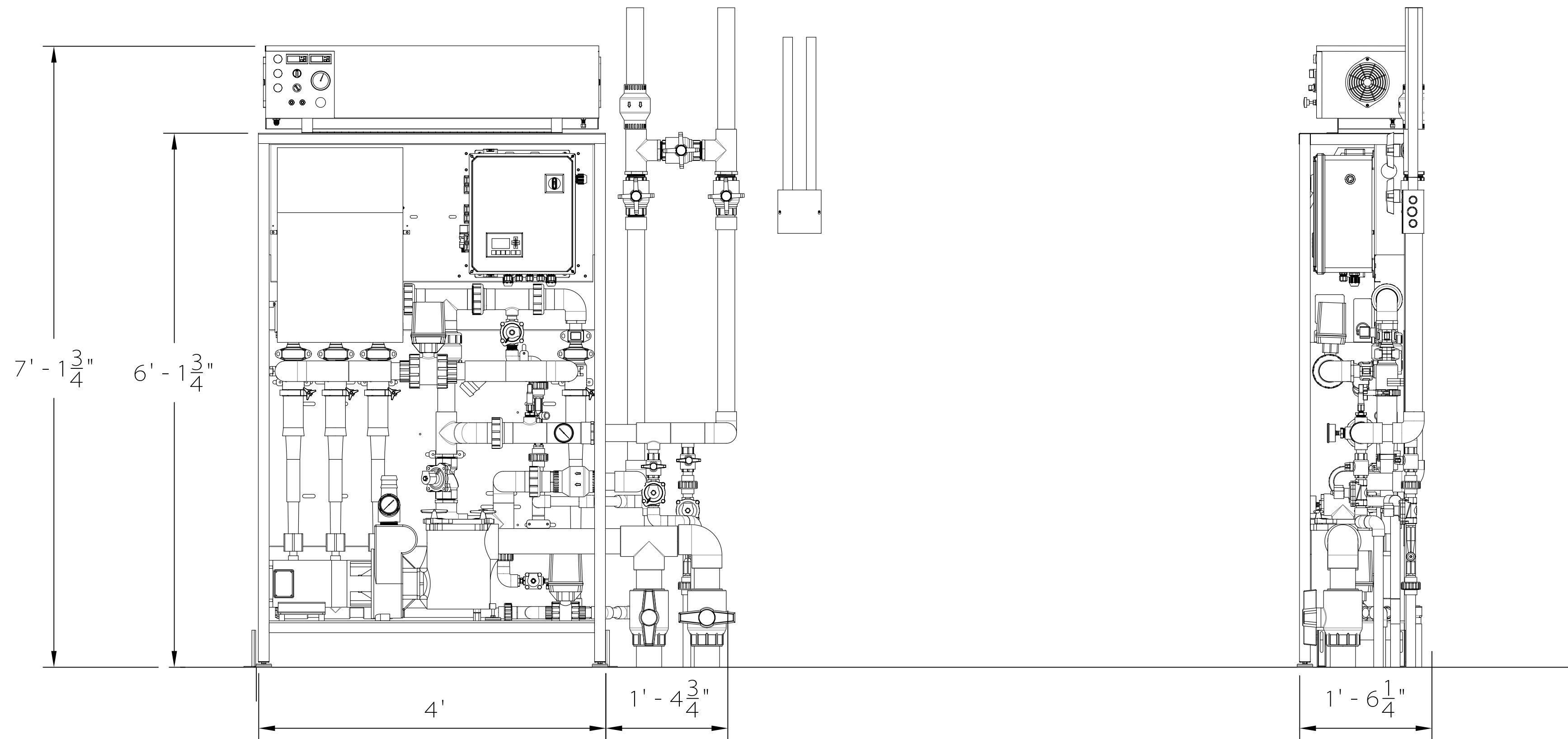
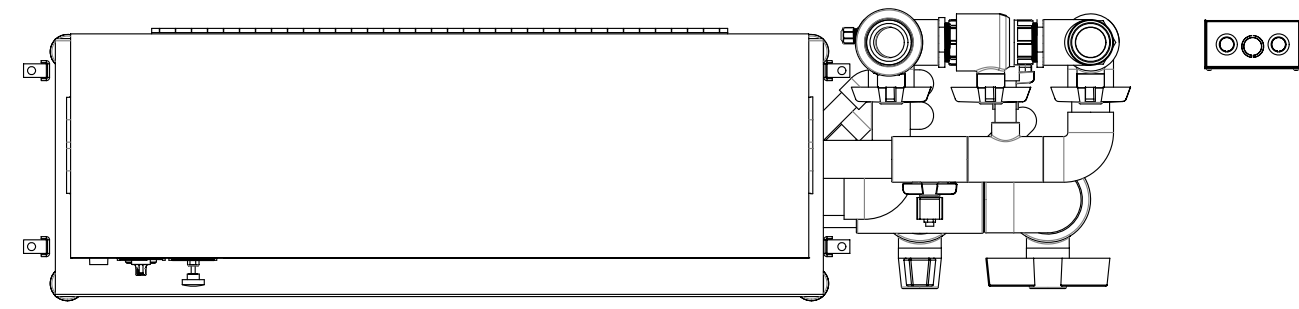
### **Electrical**

Contractor to provide/install a 1" electrical conduit from electrical room to Vacuum system compressor (see site plan for location) and two 1" electrical conduits to the pay stations (see site plan for location).

Contractor shall provide power to second floor attic area for lights. Light fixture F-3

# PURWATER

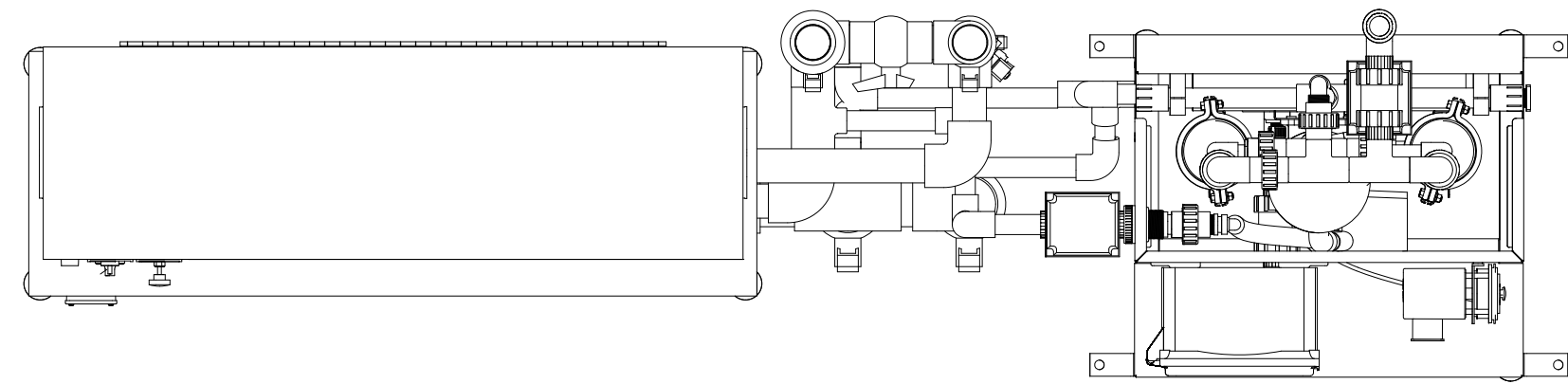
WATER RECOVERY SYSTEMS



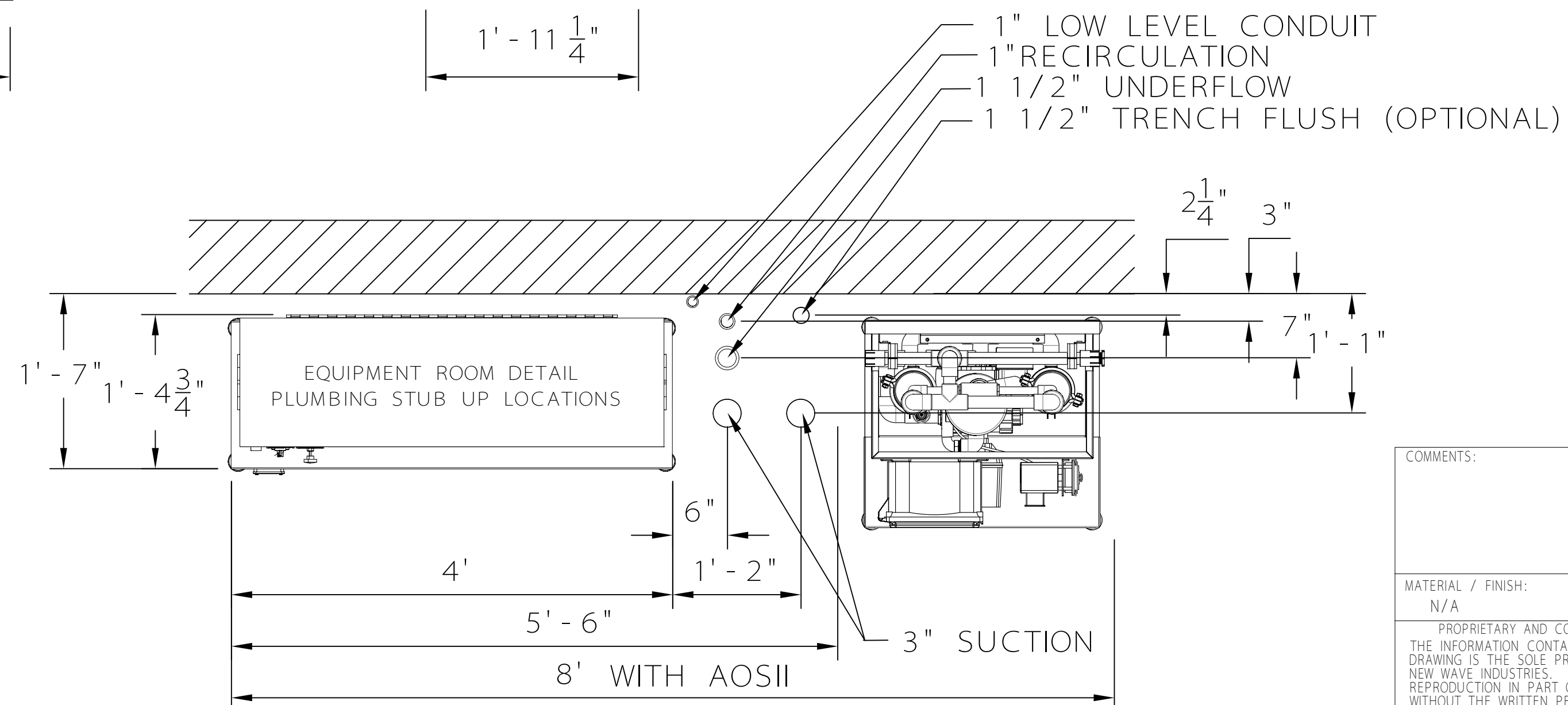
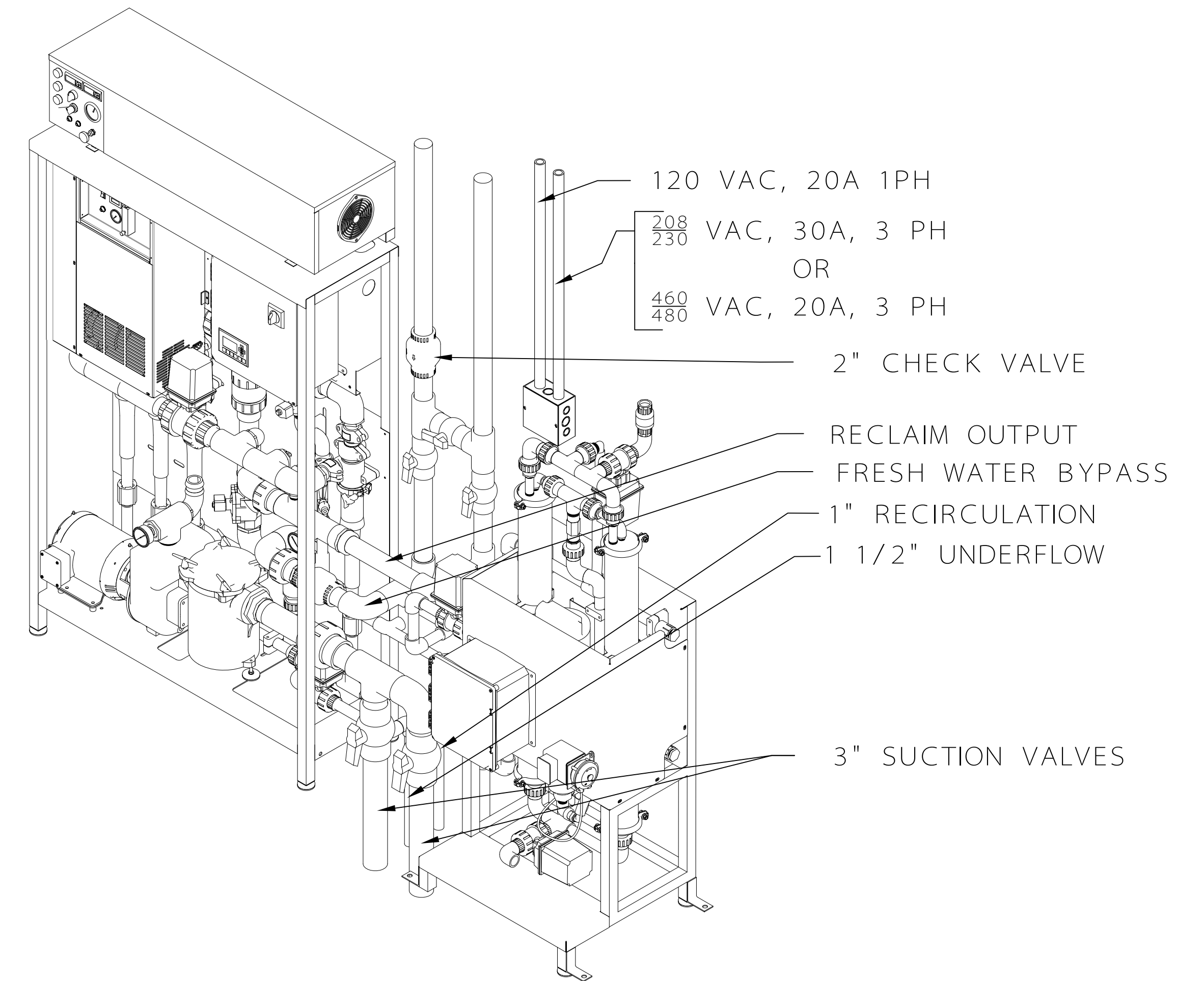
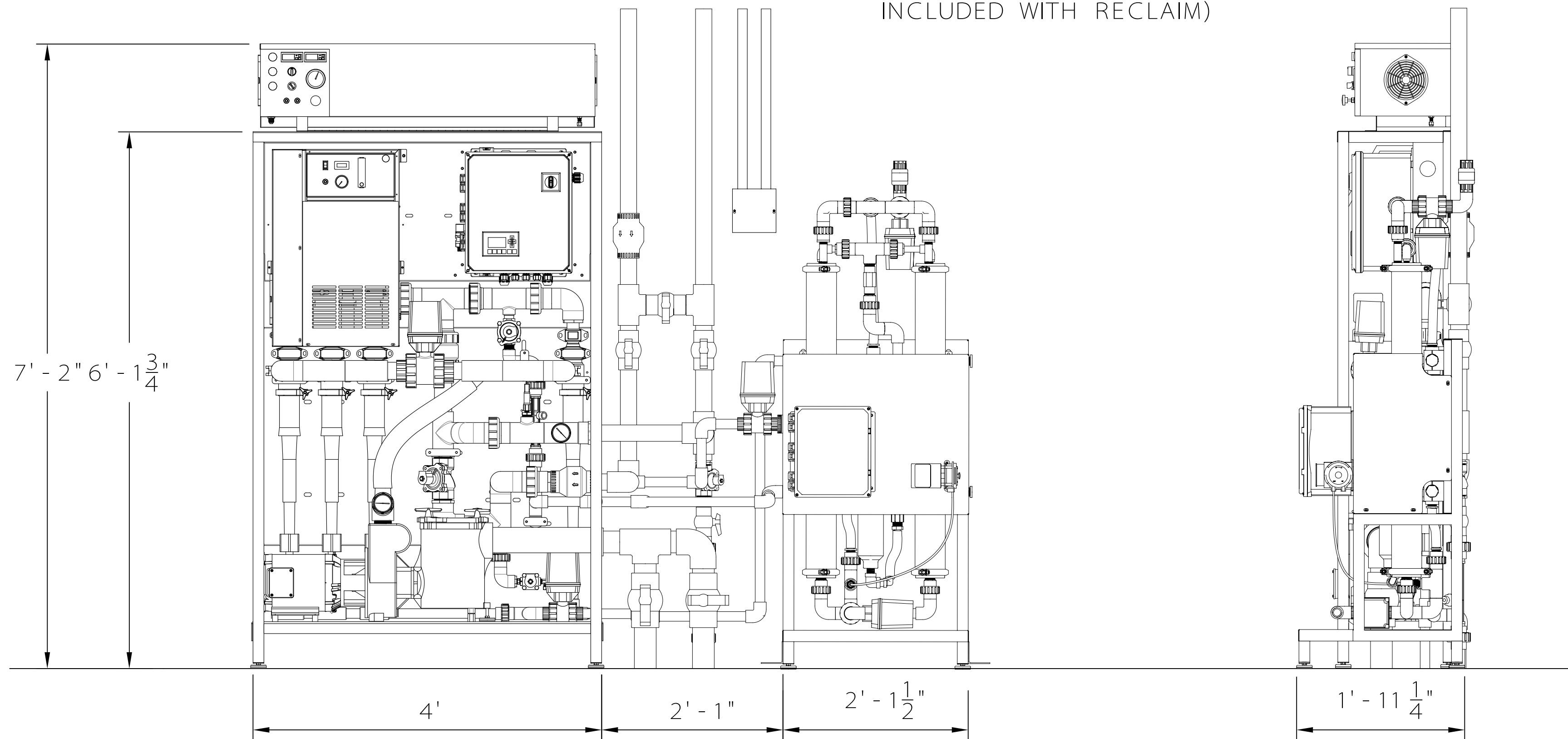
COMMENTS:	REVISION		REVISION DESCRIPTION			
				NewWave Industries Inc, 3315 Orange Grove Ave North Highlands, CA 95660		
MATERIAL / FINISH: N/A	REV. BY: N/A	APPROVE DATE: 01-01-17	SCALE: 1"=1'	DRAWN BY: J.DAYAK	DATE: 01-01-17	APPROVED BY: J.DAYAK
<small>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NEW WAVE INDUSTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NEW WAVE INDUSTRIES IS PROHIBITED.</small>		PURWATER PW3505M120/PW3505M240 RECLAIM WATER SYSTEM W/CHAIN RINSE AND TRENCH FLUSH				
			DRAWING NO.:	PW350- STUB - CHNRNSTF		SHEET: 1 of 1

# PURWATER

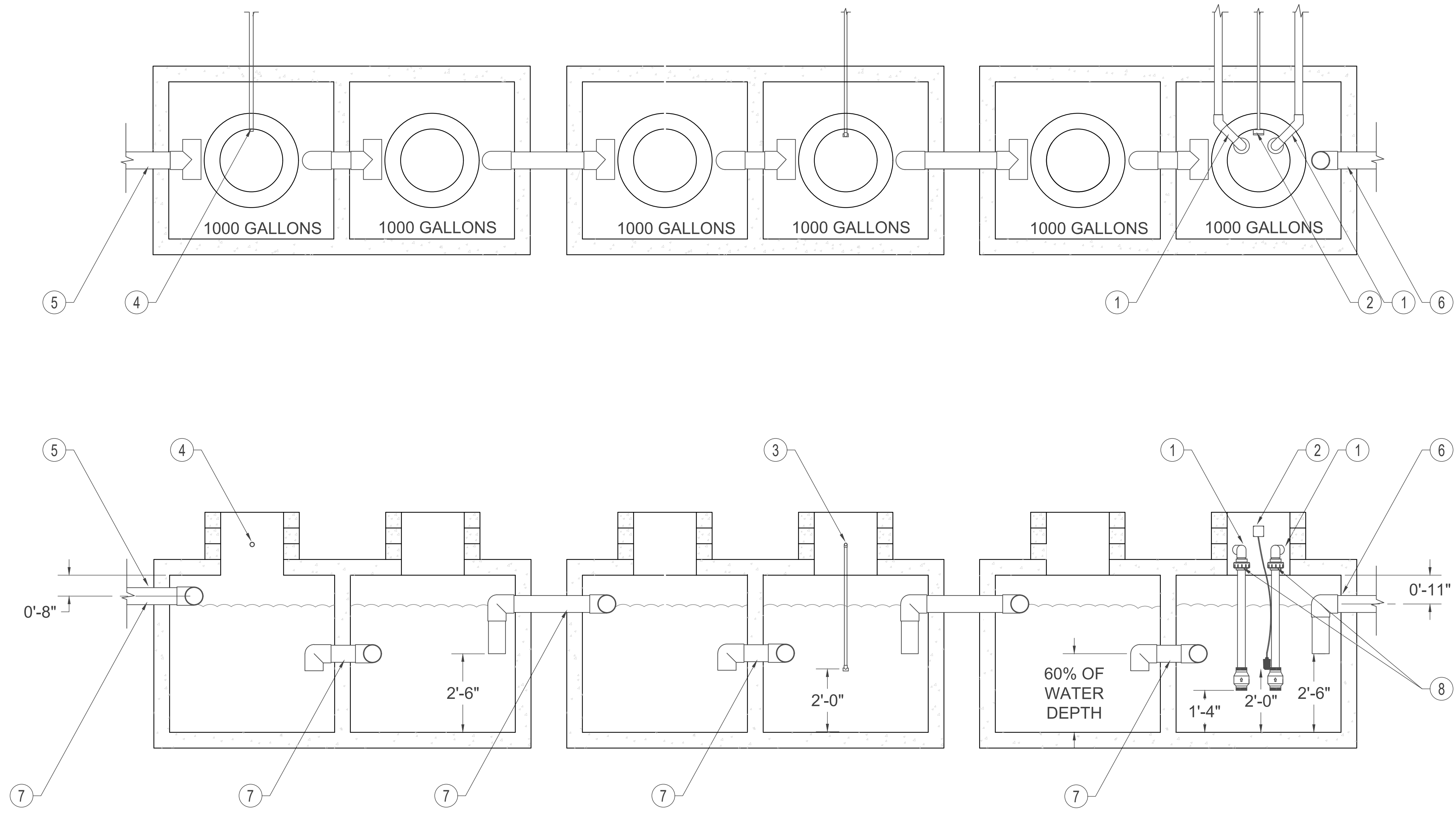
WATER RECOVERY SYSTEMS



NOTE: SUGGESTED PLUMBING  
INSTALLATION SHOWN (NOT  
INCLUDED WITH RECLAIM)



COMMENTS:		REVISION	REVISION DESCRIPTION			
N/A		REV. BY:	NewWave Industries Inc, 3315 Orange Grove Ave North Highlands, CA 95660			
N/A		APPROVE DATE:	SCALE: 1"=1'	DRAWN BY:	DATE:	APPROVED BY:
<small>PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NEW WAVE INDUSTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NEW WAVE INDUSTRIES IS PROHIBITED.</small>		01-01-17		J.DAYAK	01-01-17	J.DAYAK
		DRAWING NO.	PW350-STUP-TF-AOS2			SHEET: 1 of 1



NOTE:  
TANKING SHOWN FOR ILLUSTRATIVE PURPOSE ONLY

LEGEND:

- ① 3" SCH 80 PVC SUCTION LINES FOR RECLAIM WATER PUMPING STATION. QTY (2) INCLUDING ONE SPARE LINE. SUCTION LINES TO BE EQUIPPED W/ FOOT VALVES. PRESSURE TEST THE LINE FOR 24 HRS AT 30 PSI BEFORE POURING CONCRETE. PROTECT LINES FROM FREEZING.
- ② WATERTIGHT JUNCTION BOX FOR LOW LEVEL FLOAT. (LOCATED ABOVE WATER LINE)
- ③ RECLAIM RECIRCULATION. 1" SCH. 80 PVC WITH 90 DEGREE ELBOW, TERMINATE WITH A HORIZONTAL TEE 24" FROM THE TANK FLOOR.
- ④ RECLAIM UNDERFLOW 1 1/2" PVC SCH. 80. W/DISTRIBUTION TEE LOCATE JUST ABOVE WATER LINE. (USE SANITARY 90'S WHENEVER POSSIBLE)
- ⑤ 6" TRENCH DRAIN FROM WASH BAY
- ⑥ 6" DISCHARGE TO SEWER.
- ⑦ 6" SCH 80 PVC CROSS OVER PIPES. INLET SIDE TO BE PROVIDED WITH A DOWNWARD FACING ELBOW AND A HORIZONTAL TEE TO PROVIDE CIRCULATION IN THE TANK.
- ⑧ 3" UNIONS LOCATED ABOVE WATER LINE.

NOTES:

- 1. POSITION TANKS SO THAT PLUMBING IS BELOW FROST LINES IN AREAS WHERE FREEZING MAY OCCUR.
- 2. PLUMBING LINES MUST BE RUN BELOW FROST LINE, LINES MAY BE RUN INTO THE SIDE OF THE TANK IF MANWAY IS TOO CLOSE TO FROST LINE.
- 3. DRAWING ARE FOR REFERENCE ONLY. CONSULT WITH TANK MANUFACTURER TO IDENTIFY STANDARD CONFIGURATIONS FOR APPROVED APPLICATIONS.
- 4. SEAL ALL TANK PENETRATIONS TO PREVENT LEAKAGE INTO SOIL.
- 5. IT IS RECOMMENDED THAT A BACK FLOW PREVENTER BE INSTALLED IN APPLICATIONS THAT ARE AT RISK OF HAVING SEWAGE BACKING UP INTO THE RECLAIM TANKING SYSTEM.
- 6. AN ADDITIONAL SAND/OIL SEPARATOR TO BE ADDED TO TANKING CONFIGURATION PER CITY/STATE REQUIREMENTS.

BY	-	-	-	-	-	-
REV	-	-	-	-	-	-
DESCRIPTION	NEW WAVE INDUSTRIES 3315 Orange Grove Ave North Highlands, CA 95660 t: 800.882.8854 f: 916.978.9995 www.purclean.com					
<b>3-2K 03 3SUC</b> PURWATER 3 2000 GALLON TANKS WITH 03 LINES 3" SUCTION						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NEW WAVE INDUSTRIES. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NEW WAVE INDUSTRIES IS PROHIBITED.						
DRAWN BY: J. OYOG						
APPROVED BY: J. OYOG						
DATE: 1/23/20						
SCALE: 1/2"=1'-0"						
MATERIAL / FINISH: N/A						
SHEET: 1 OF 1						

  
**Rhino-Mat™**  
ALL IN ONE AUTO MAT WASH & DRY SYSTEM



# EXPERIENCE THE DIFFERENCE

**WASH & DRY CARPET AND RUBBER FLOOR MATS  
IN A MATTER OF SECONDS!**





***Rhino-Mat, the original in floor mat  
washing & drying technology***

For the past 20 years we have been dedicated to the innovative design and technology of developing superior mat cleaning systems. Our dedication to manufacturing superior mat cleaners has brought us worldwide recognition. Our mat cleaners are currently operating in the US, Canada, Asia and Europe.

The quality and effectiveness of our mat cleaners have been improved over the years to meet the demands of our customers in order to better meet their needs. We value our working relationships with our new and returning customers, which is why we are devoted to bringing quality equipment to those who need it.



**866.644.5177 WWW.RHINO-MAT.COM**

Call us today or visit our website for customer testimonials and video demonstration.





## AUTO MAT DRY BRUSH SYSTEM

**MODEL: #RHM-AS, #RHM-ASC**

### FEATURES:

- Automatic floor mat cleaning solutions for carpet and rubber mats
- Brush off vehicle mat within 7 seconds
- Remove ground-in dirt, sand and pet hair
- Made for year-round use without water
- Auto-counter, keep track of the number of mats you clean
- Large roller wheels for easy movement with optional ground mounting
- Auto flat feeding operations to prevent folding or damages to a mat
- Portable for indoor and outdoor use
- Safe and easy operation
- Plug in to anywhere for ready to use no other set up or installation needed
- Automatic shut off timer, adjustable time & energy efficient
- Heavy-duty construction- built to last

### SPECIFICATIONS:

WEIGHT	243 lbs
WIDTH	41"
DEPTH	20"
HEIGHT	42"
POWER	110 V (15 Amp)
SPEED	7 Second per mat
MAT SIZES SUPPORT	Up to 32"
MATERIAL	Stainless Steel

- **RHM-AS (Stainless Steel)**  
Full-Serve Operation
- **RHM-ASC (Stainless Steel)**  
Coin Acceptor, Self-Serve Operation



Model: #RHM-AS



Model: #RHM-ASC (Coin-Operated)



## ALL IN ONE AUTO MAT WASH & DRY SYSTEM

**MODEL: #RHM-SS (Full-Serve Operation)**



### FEATURES:

- Absorbent sponge and steel rollers to squeeze out moisture
- Patented extraction tray
- Automatic floor mat cleaning solution for carpet & rubber mats
- One-step mat washing & drying process. Save on labor & time
- Washes and dries a vehicle mat within 30 seconds
- Removes ground-in dirt, oil, sand, pet hair and most stains
- Auto-flat feed operation to prevent folding or damage to a mat
- Integrated auto heating system made for year-round use
- Automatic shut-off timer, time adjustable & energy efficient
- Large roller wheels for easy movement with optional ground mounting
- Auto-counter, keep track of the number of mats you clean
- ETL Certified (Safe and hazard free operation)

### SPECIFICATIONS:

WEIGHT	500 lbs (227 Kg)
HEIGHT	50" (1,270 mm)
WIDTH	40" (1,170 mm)
DEPTH	26" (660 mm)
POWER	110V / 60Hz (30 Amp)
WATT	3,000 Watts (3KW)
SPEED	2 mats per minute
WATER HOSE CONNECTION	5/8" Fitting
DRAIN HOSE SIZE	2" Diameter x 6' Length
CHEMICAL SPRAY	Adjustable
MAT SIZES SUPPORTED	Up to 32"
MATERIAL	Stainless Steel
DRY RATIO	98%



Control Panel



Equipped with an Auto-Chemical Injection System



Push Button Start & Stop Operation



Model: #RHM-SS  
Stainless Steel for all weather use





**ALL IN ONE AUTO MAT WASH & DRY SYSTEM**

**MODEL: #RHM-SSBC (Self-Serve: Bill & Coin Operation)**

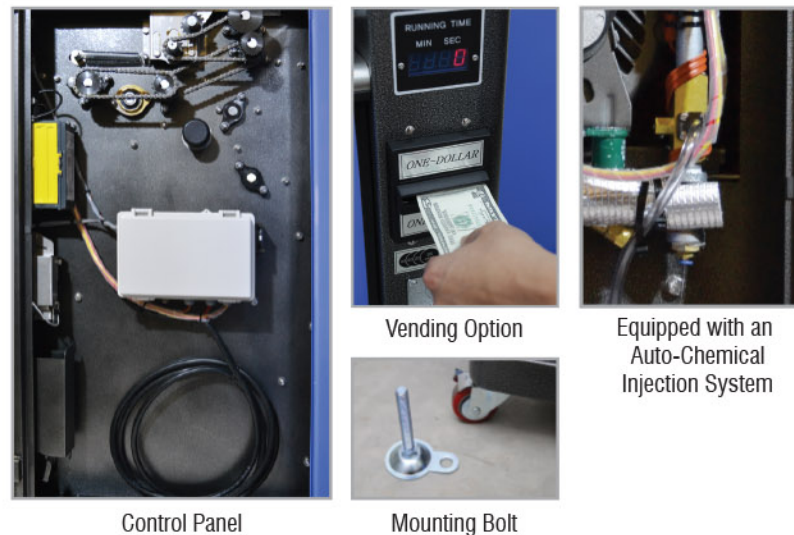


**FEATURES:**

- Digital L.E.D. time display
- “Pass” button to release mats from the machine
- Fully adjustable bill, coin, and time settings in the control box
- Automatic floor mat cleaning solution for carpet & rubber mats
- One-step mat washing & drying process. Save on labor & time
- Washes and dries a vehicle mat within 30 seconds
- Removes ground-in dirt, oil, sand, pet hair and most stains
- Auto-flat feed operation to prevent folding or damage to a mat
- Safe & easy operation and maintenance
- Integrated auto heating system made for year-round use
- Digital control board system
- Automatic shut-off timer, time adjustable & energy efficient
- Auto-counter, keep track of the number of mats you clean
- Large roller wheels for easy movement with optional ground mounting
- ETL Certified (Safe and hazard free operation)

**SPECIFICATIONS:**

WEIGHT	500 lbs (227 Kg)
HEIGHT	50" (1,270 mm)
WIDTH	40" (1,170 mm)
DEPTH	26" (660 mm)
POWER	110V / 60Hz (30 Amp)
WATT	3,000 Watts (3KW)
SPEED	2 mats per minute
WATER HOSE CONNECTION	5/8" Fitting
DRAIN HOSE SIZE	2" Diameter x 6' Length
CHEMICAL SPRAY	Adjustable
MAT SIZES SUPPORTED	Up to 32"
MATERIAL	Stainless Steel
DRY RATIO	98%



Control Panel

Vending Option

Mounting Bolt

Equipped with an Auto-Chemical Injection System



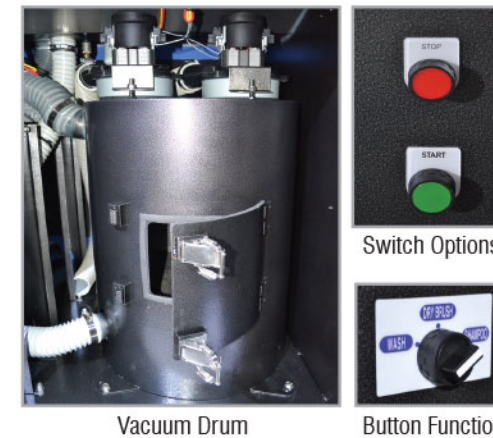
Model: #RHM-SSBC

**FEATURES:**

- Automatic floor mat cleaning solutions for carpet and rubber mats
- Duel brushing system
- Control cleaning speed with VFD
- 99% Dried mats in single cycle of cleaning
- Chemical injection system with separate final rinsing operation
- Powerful air blowers that will eliminate moisture on both sides of mat
- Heavy-duty construction, built to last (all stainless steel)
- Auto flat feeding operations to prevent folding or damages to a mat
- Larger roller wheels for easy movement with optional ground mounting
- Safe & easy operation and maintenance
- Self-serve models are also available

**SPECIFICATIONS:**

WEIGHT	740 lbs (335 Kg)
HEIGHT	50" (1,270 mm)
WIDTH	46" (1,170 mm)
DEPTH	42" (1,070 mm)
POWER	220V (208V) / 60Hz (30 Amp)
WATT	7,000 Watts (7KW)
SPEED	Adjustable
WATER HOSE CONNECTION	5/8" Fitting
DRAIN HOSE SIZE	2" Diameter x 10' Length
CHEMICAL SPRAY	Adjustable
MAT SIZES SUPPORTED	Up to 32"
MATERIAL	Stainless Steel
DRY RATIO	99%



Vacuum Drum

Button Function



Double Brush



Model: #RHM-OM



# Elephant-Vac

360° FLEX MOBILITY VACUUM SYSTEM

MODEL: #ELV-55, #ELV-55C

## FEATURES:

- Utilizes unique swinging boom system hose
- Boom swings 360 degrees around and up and down motion
- Very easy to maneuver inside and around vehicles
- No more worries about the hose lying or dragging on the floor
- Compact slim design to save space
- 2 Large bag filters and filter container for high capacity and quick maintenance
- 2 Heavy duty high speed vacuum motors for efficient cleaning and reliability
- Large diameter hose
- Frame constructed from EGI steel and top, base and door panels made from stainless steel for extra durability.
- Boom and assembly made from lightweight aluminum for easy assembly and disassembly
- 4 Ground mounting holes for security
- Sliding locks on panel with control box and money container for security

## SPECIFICATIONS:

HEIGHT (Total)	11' 3"
HEIGHT (Body)	57"
HEIGHT (Boom)	78"
WIDTH	16"
DEPTH	14"
HOSE LENGTH	16'
POWER	110 V (20 Amp)
MATERIAL	Stainless Steel



Vacuum Motors



Vacuum Wand



Available in Self-Serve Coin Operation Model



# Elephant-Dry

360° FLEX MOBILITY DRY SYSTEM

MODEL: #ELD-55, #ELD-55C

## FEATURES:

- Utilizes unique swivel boom system hose
- Boom rotates 360 degrees around and up and down motion
- Very easy to maneuver inside and around vehicles
- No more worries about the hose lying or dragging on the floor
- Compact slim design to save space
- 2 Heavy duty high speed blower motors for efficient drying any surfaces
- Large diameter hose
- Frame constructed from EGI steel and top, base and door panels made from stainless steel for extra durability.
- Boom and assembly made from lightweight aluminum for easy assembly and disassembly
- 4 Ground mounting holes for security
- Sliding locks on panel with control box and money container for security

## SPECIFICATIONS:

HEIGHT (Total)	11' 3"
HEIGHT (Body)	57"
HEIGHT (Boom)	78"
WIDTH	16"
DEPTH	14"
HOSE LENGTH	16'
POWER	110 V (20 Amp)
MATERIAL	Stainless Steel



Crevice Tool

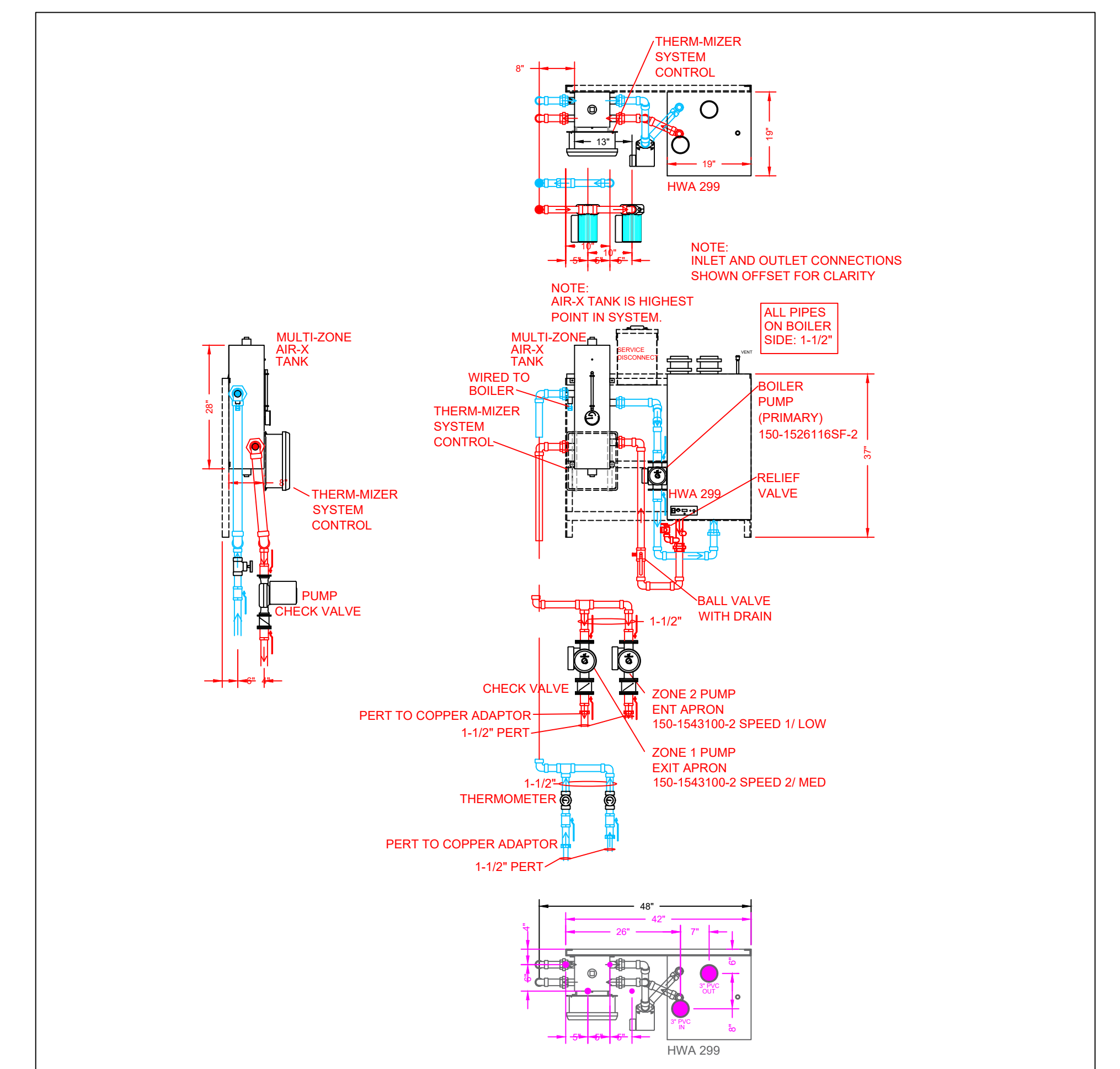
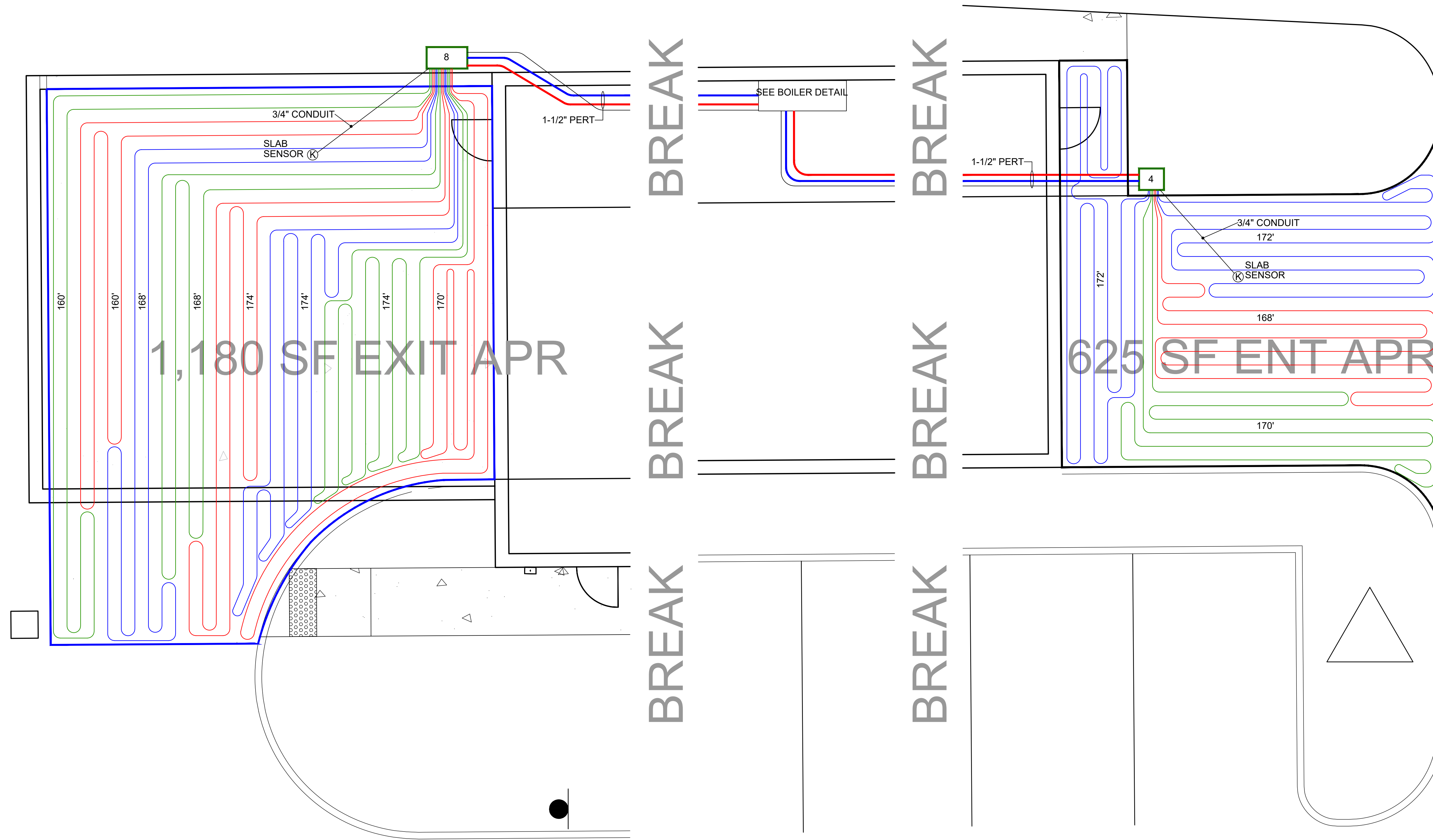


Blower Motor



Available in Self-Serve Coin Operation Model



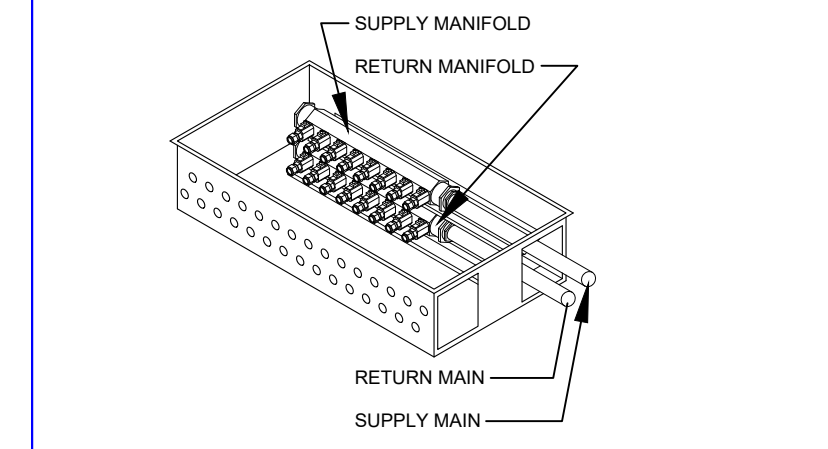


BOILER DETAIL - NOT TO SCALE

TUBE CUTTING SCHEDULE

ROLL # 1 1/2" X 1000'	160' - 160' - 168' - 168' - 174'
ROLL # 2 1/2" X 1000'	174' - 174' - 170' - 172' - 172'
ROLL # 3 1/2" X 400'	168' - 170'

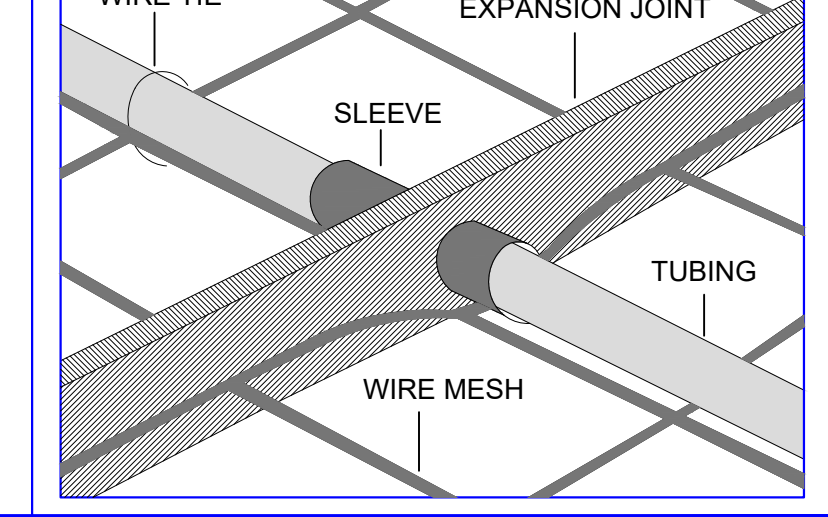
MANIFOLD DETAIL - EXAMPLE



UNION INSTALLATION INSTRUCTIONS

1. Insert the tubing into the PROPAC tube fitting. Make sure the tubing rests firmly on the shoulder of the fitting and the nut is finger tight.
2. Before tightening the PROPAC nut, score the nut at the 6 o'clock position.
3. While holding the fitting body steady with a back-up wrench, tighten the nut 1-1/4 turns. Watch the scribe mark, make one complete revolution and continue to the 9 o'clock position.

EXPANSION JOINT DETAIL



INSTALLATION EQUIPMENT LIST

QTY	PART NUMBER	DESCRIPTION
1	IP0100	INSTALLATION PARTS PACKAGE
2	PPRM04	MANIFOLD-ALUMINUM 4 RUN RETURN
2	PPRM08	MANIFOLD-ALUMINUM 8 RUN RETURN
1	008857	MANIFOLD BOX KIT - 1- 6 RUN, 19" X 22"
1	008858	MANIFOLD BOX KIT - 7-12 RUN, 19" X 36"
1	008857	MANIFOLD BOX COVER - SMALL
1	008858	MANIFOLD BOX COVER - LARGE
2	PPX05CB10	TUBING - 1/2" X 1000' THERM BAR HEATFLEX
1	PPX05CB4	TUBING - 1/2" X 400' THERM BAR HEATFLEX
1200	806018	TIE WIRE - 16 GAUGE X 6"
2	B-1010-6	UNION - 5/8" OD COMPRESSION
2	TE073	SLAB SENSOR
280	FEET OF 1-1/2" PERT MAINS	

RECOMMENDED BOILER & PUMP SIZE:

HWA 299 PROPAC BOILER
Z1 150-1543100-2 SP2 PUMP EXIT APRON (13.6 GPM 22.9 FT)
Z2 150-1543100-2 SP1 PUMP ENT APRON (6.8 GPM 21.1 FT)

NOTES:

- 1 Flow rate N/A GPM / Total headloss N/A FT.
- 2 System volume 53.3 GAL (50/50 ETHGLY Solution)
- 3 See de-icing installation instructions for layout details.
- 4 System by-pass valve must be installed.
- 5 All piping from boiler to manifolds, supplied by others.
- 6 Install sensor(s) as shown.
- 7 N/A
- 8 Due to unforeseen conditions at time of installation, runs may vary from given length. (Lay plastic tubing before cutting from roll) (1/2" centers 0" max from sides & drains)
- 9 NOT RESPONSIBLE FOR SYSTEM OPERATION IF NOT INSTALLED AS SHOWN ON PRINT.

**PROPAC** ENERGY EFFICIENT HEATING

HURON VALLEY SALES  
6032 SCHOOVER ST  
BELLEVILLE, MI 48111  
PH: 734-944-5200 FX: 734-944-5800

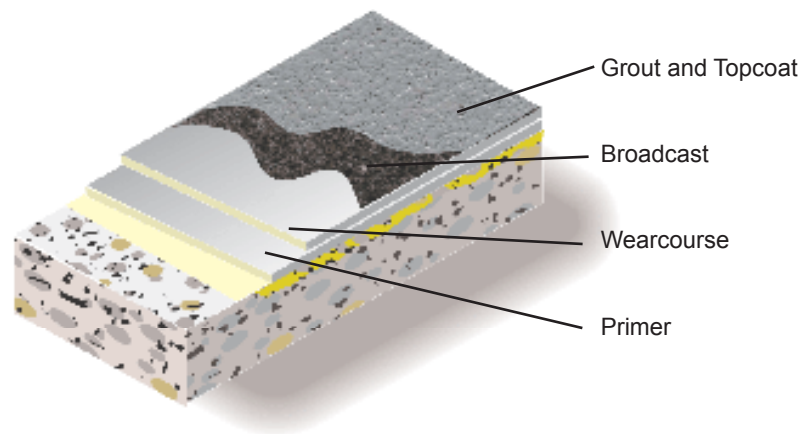
TITLE: WASH LINKS  
BLUE BUFFALO  
WEST SENECA, NY  
TUNNEL APRONS

SCALE: 1/4"=1'  
ENGINEER: F.H.  
DRAWN: B.W.  
DATE: 1-19-2021  
NUMBER: D221-203



## Epoxy Broadcast Coating System

**Epoxy Broadcast Coating System** is a high build, chemical resistant protective, self-leveling system which utilizes high solids binder resins and selected aggregates to produce a resin-rich material that is easily applied with a v-notched trowel or squeegee.



### Advantages

- Abrasion and impact resistant
- Color options
- Slip resistant
- Chemical and stain resistant

### Uses

- Industrial floor
- Warehouses
- Service bay areas

### Typical Physical Properties

Hardness, Shore D ASTM D 2240	0/40
Tensile Strength ASTM D 412	1,700 psi
Adhesion ACI 503R	300 psi concrete failure
Flammability	Self-Extinguishing over concrete
Thermal Cycling ASTM C 884 (24 hours, -21°C to 25°C)	No Cracking

## Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the **Epoxy Coating System**. Contact the Technical Service Department for assistance prior to application.

### Surface Preparation – General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

### Surface Preparation – Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Technical Service Department.

### Temperature

Throughout the application process, substrate temperature should be 50°F – 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

## Application Information – Surface Prep Profile CSP 2-3

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	<b>Primer</b>	3579	2:1	250 sq. ft./gal	3 or 15 gals
<100 g/L 0	<b>Wearcourse</b>	3746 5310 Dry Silica	2:1	100 sq. ft./gal 0.4 lbs. / sq. ft.	3 or 15 gals 100 lbs.
<100 g/L	<b>Grout Coat</b>	3746	2:1	100 sq. ft./gal	3 or 15 gals
<100 g/L	<b>Topcoat</b> (Option A)	3746	2:1	100-150 sq. ft./gal	3 or 15 gals
<100 g/L	<b>Topcoat</b> (Option B)	4638	2:1	350-500 sq. ft./gal	3 or 15 gals

## Primer

### Mixing and Application

1. Premix 3579A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. 3579 may be applied via spray, roller or brush. Apply 5-8 mils, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
4. Wait until primer is tacky (usually 1 hour minimum), before applying the slurry. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight.

## Wearcourse

### Mixing and Application

1. Premix 3746A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at a spread rate of 40 sq. ft. per gallon, evenly, with no puddles making sure of uniform coverage.
4. Broadcast 5310 Dry Silica Sand or other Hard Aggregate to excess into wet material so no wet material is visible. Aggregate should be broadcast within one (1) hour of liquid application to ensure they are properly seated.
5. Allow to cure for 24 hours, sweep off excess aggregate with a clean, stiff bristled broom. Clean aggregate can be saved for future use. All imperfections such as high spots should be smoothed before the application of the seal coat.

NOTE: The floors finished appearance depends on the manner in which the aggregate has been applied. In grass seed like fashion, allow the aggregate to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.

## Grout Coat

### Mixing and Application

1. Premix 3746A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at a spread rate of 100-150 sq. ft. per gallon, evenly, with no puddles making sure of uniform coverage.
4. Allow to cure 24 hours minimum before applying seal coat.

## Topcoat (option A)

### Mixing and Application

1. Premix 3746A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at a spread rate of 100-150 sq. ft. per gallon, evenly, with no puddles making sure of uniform coverage. T
4. Allow to cure 24 hours minimum before opening to traffic.

## Topcoat (option B)

### Mixing and Application

1. Premix 4638A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 4638A (resin) to 1 part 4638B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4638 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at a spread rate of 350-500 sq. ft. per gallon, evenly, with no puddles making sure of uniform coverage.
4. Allow to cure 24 hours minimum before opening to traffic.

## Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## Safety

Refer to the MSDS sheet before use. federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

## Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) (10°C - 32°C), and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. Shelf life of material will vary, check individual product data sheet.

## Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

## Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult [www.generalpolymers.com](http://www.generalpolymers.com) to obtain the most recent Product Data information and Application instructions.

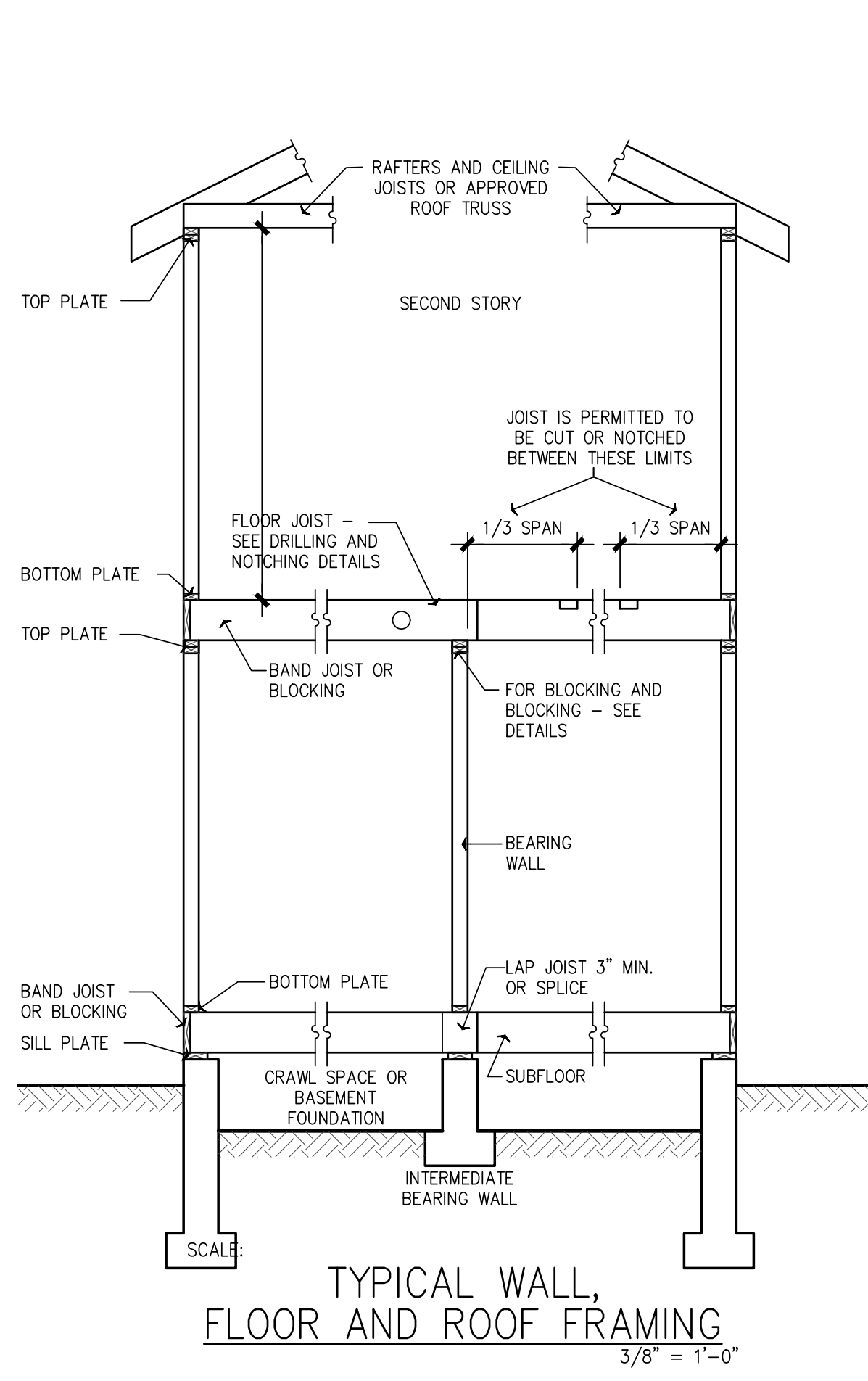
## Warranty

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

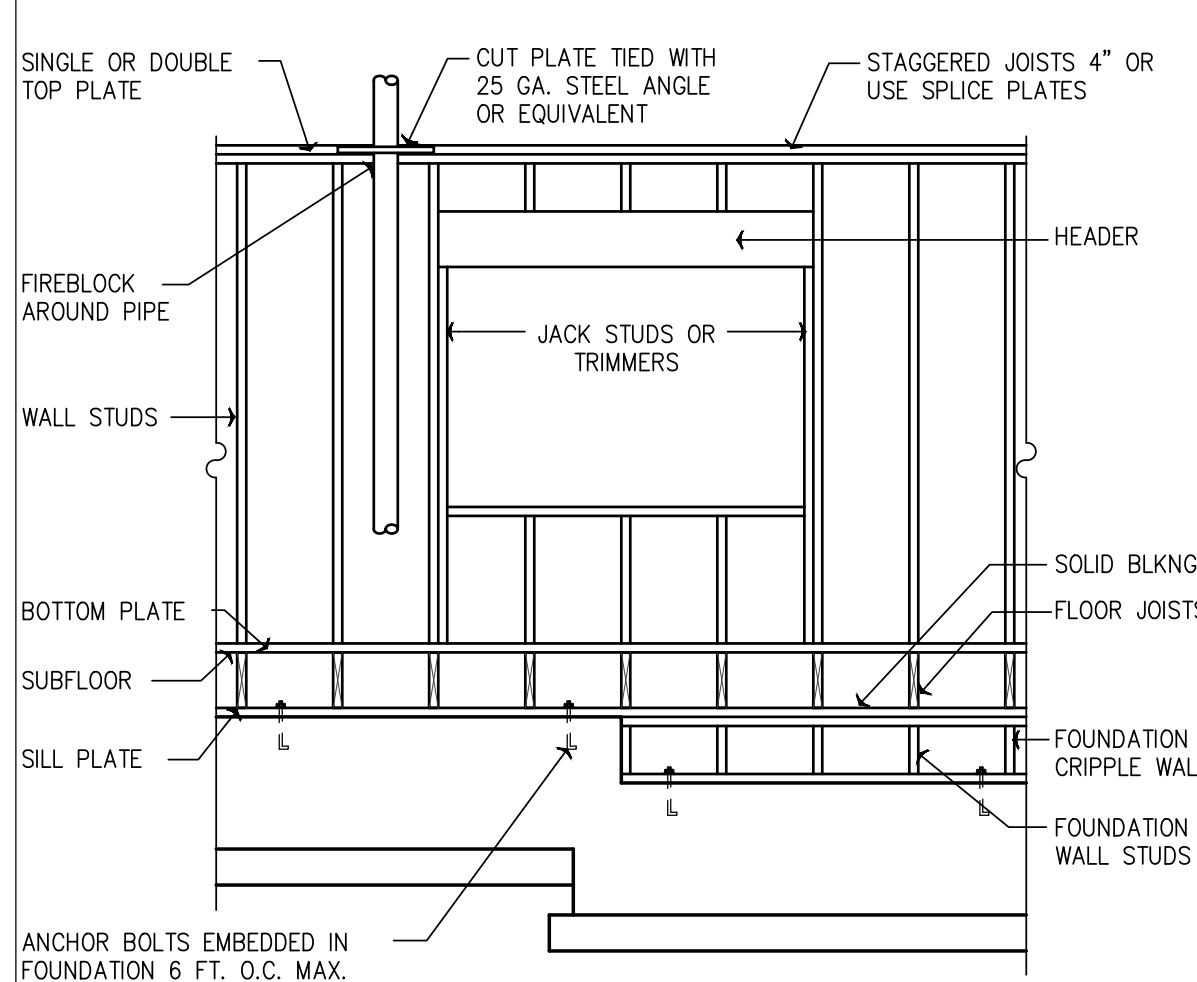


## To learn more, visit us at

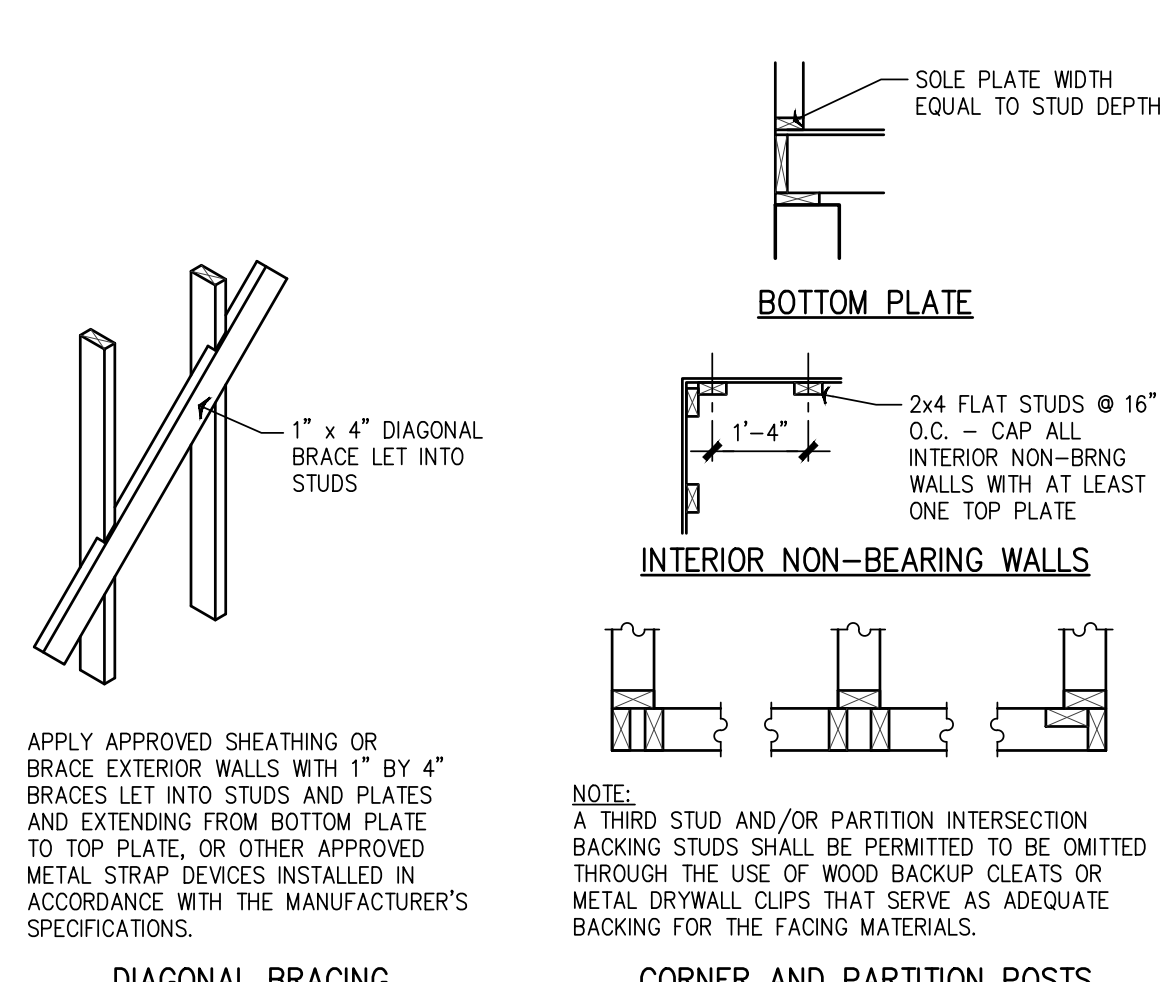
[www.sherwin-williams.com/protective](http://www.sherwin-williams.com/protective)  
or call 1-800-524-5979  
to have a representative contact you.



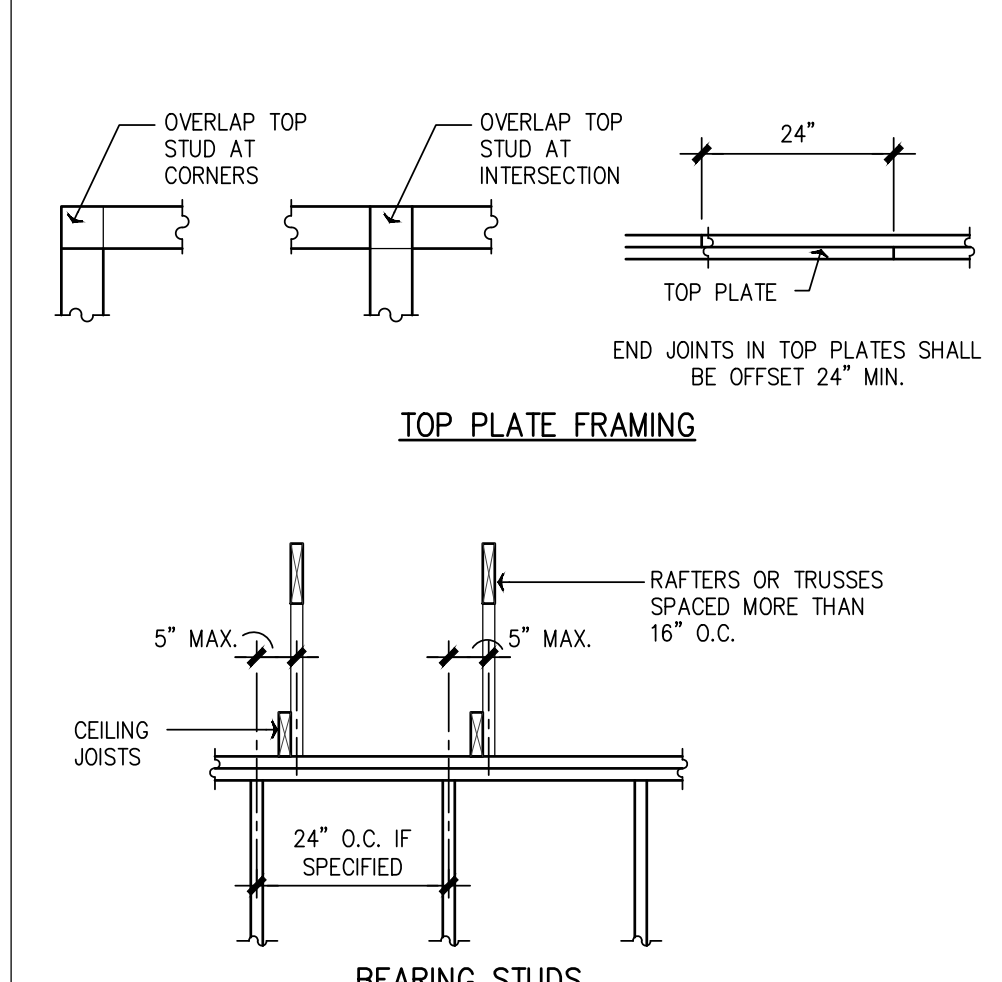
TYPICAL WALL, FLOOR AND ROOF FRAMING  
SCALE: 3/8" = 1'-0"



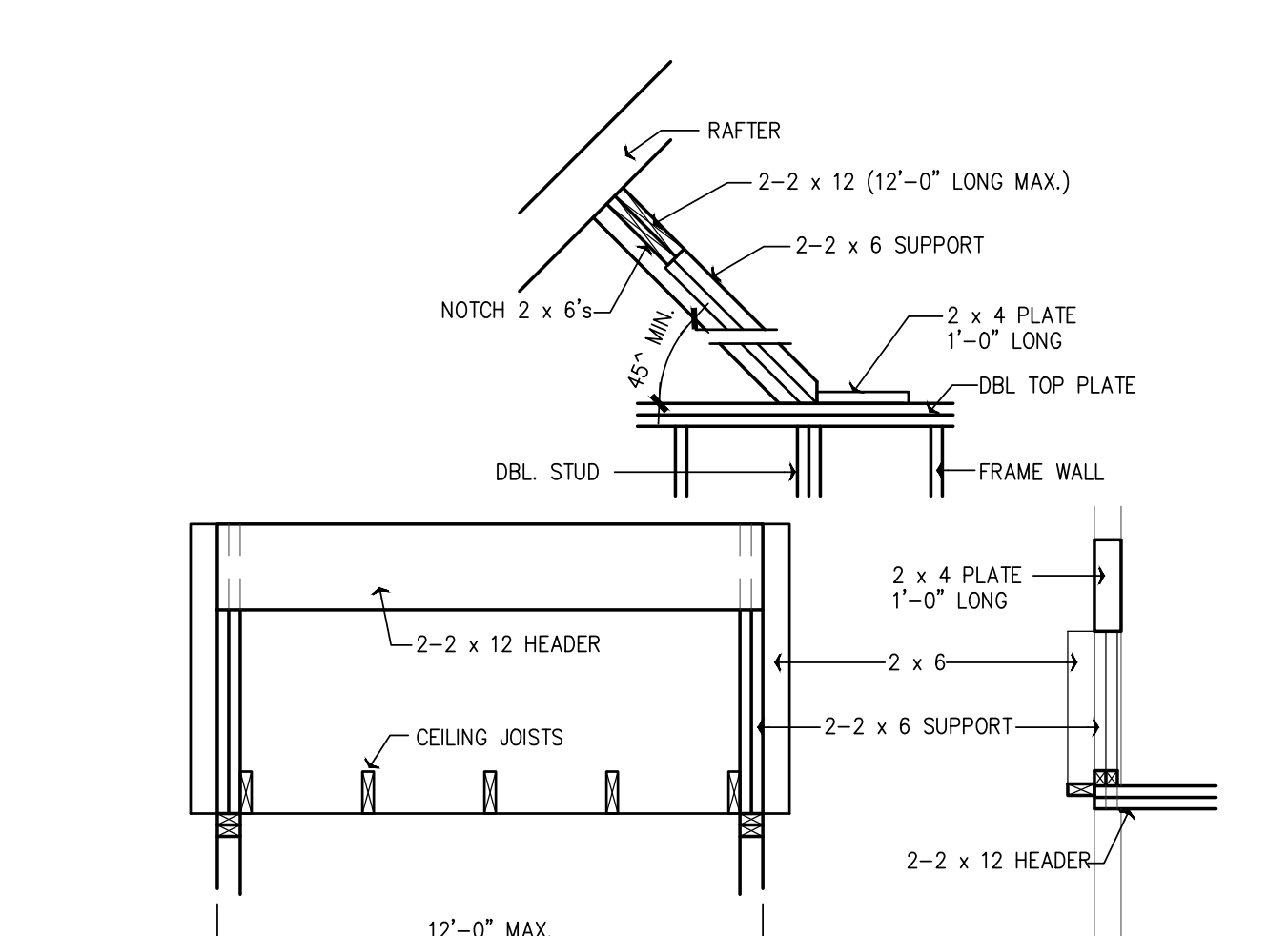
FRAMING DETAILS  
SCALE: 3/8" = 1'-0"



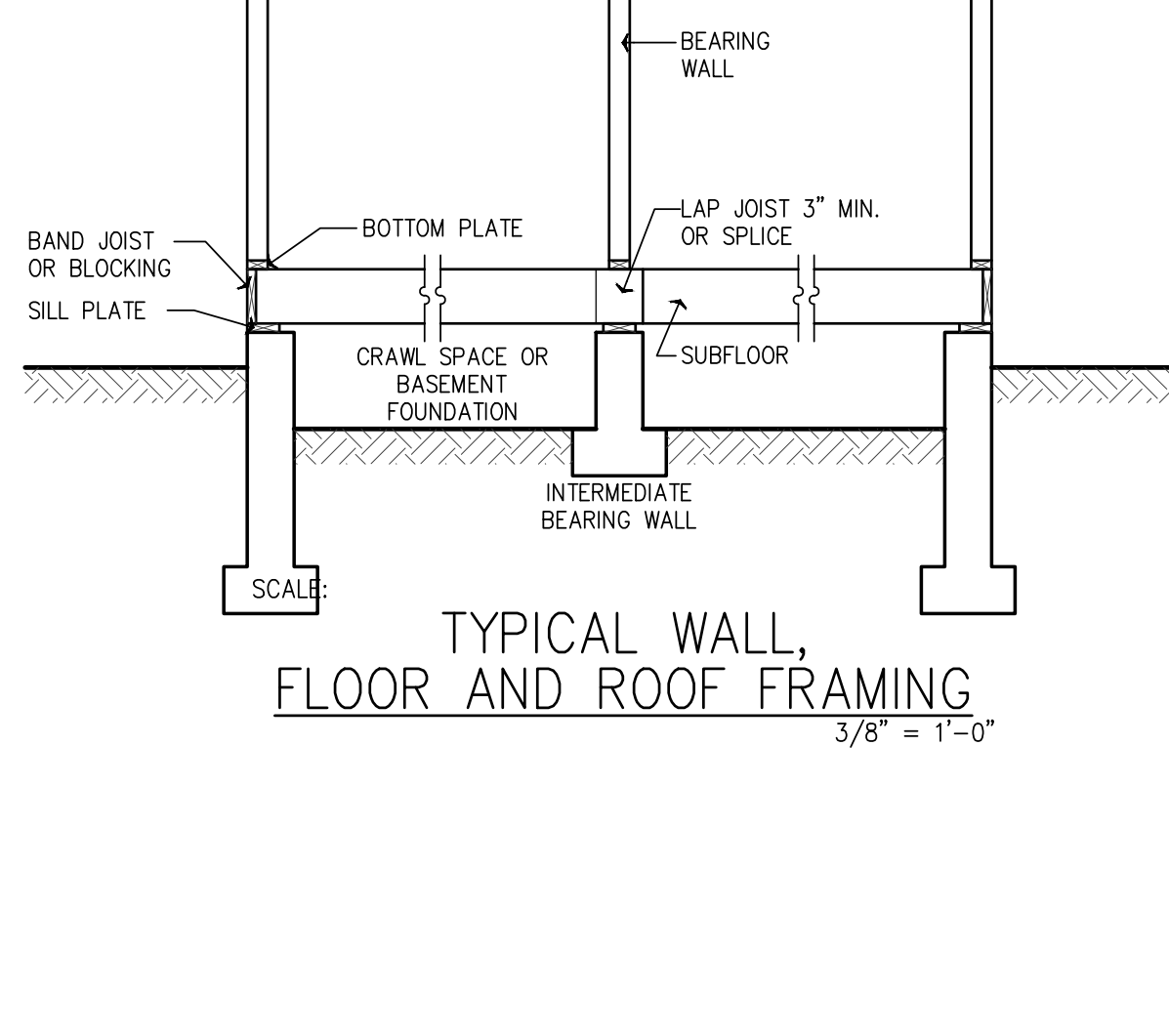
DIAGONAL BRACING  
CORNER AND PARTITION POSTS  
SCALE: NONE



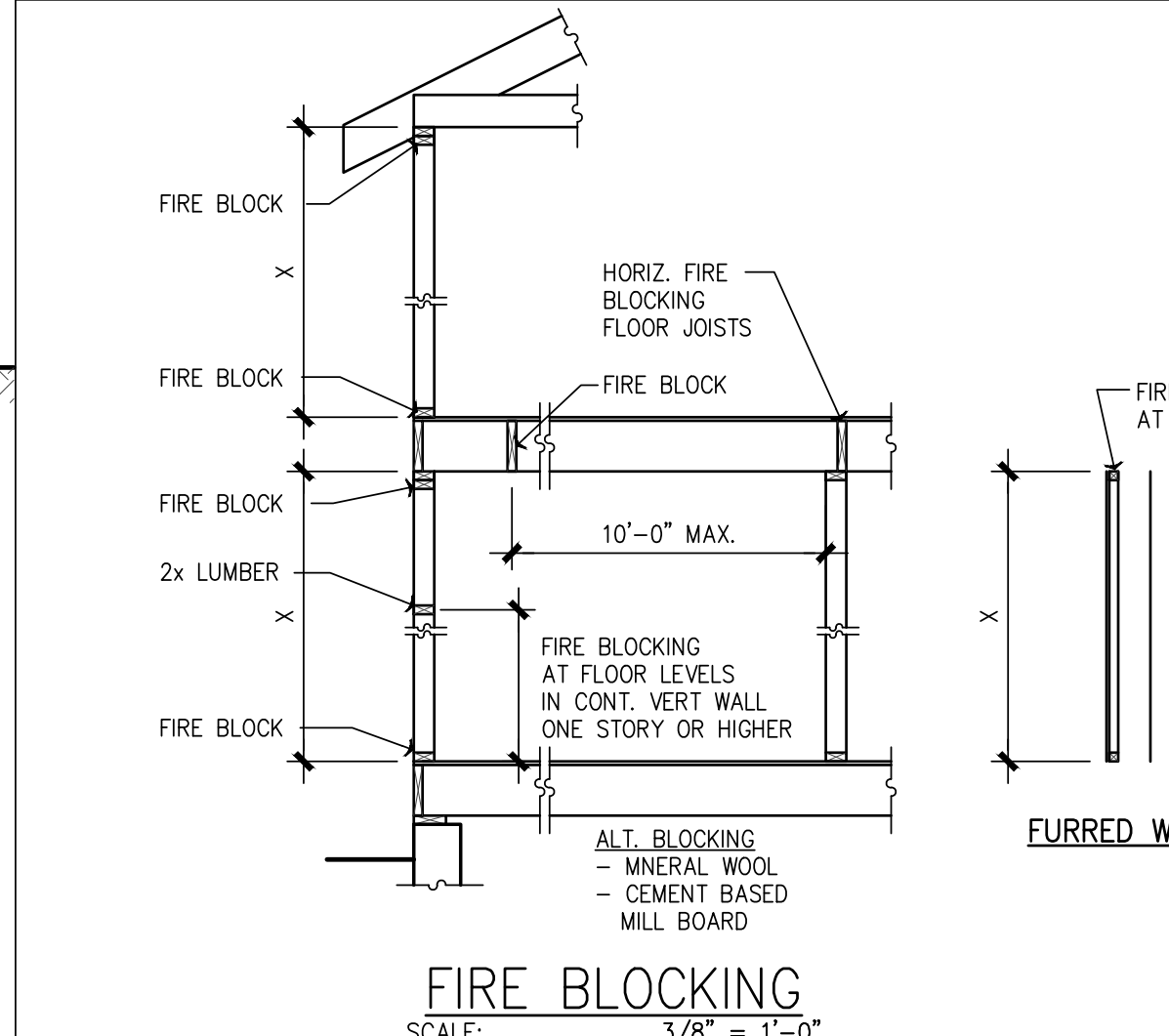
FRAMING DETAILS  
SCALE: NONE



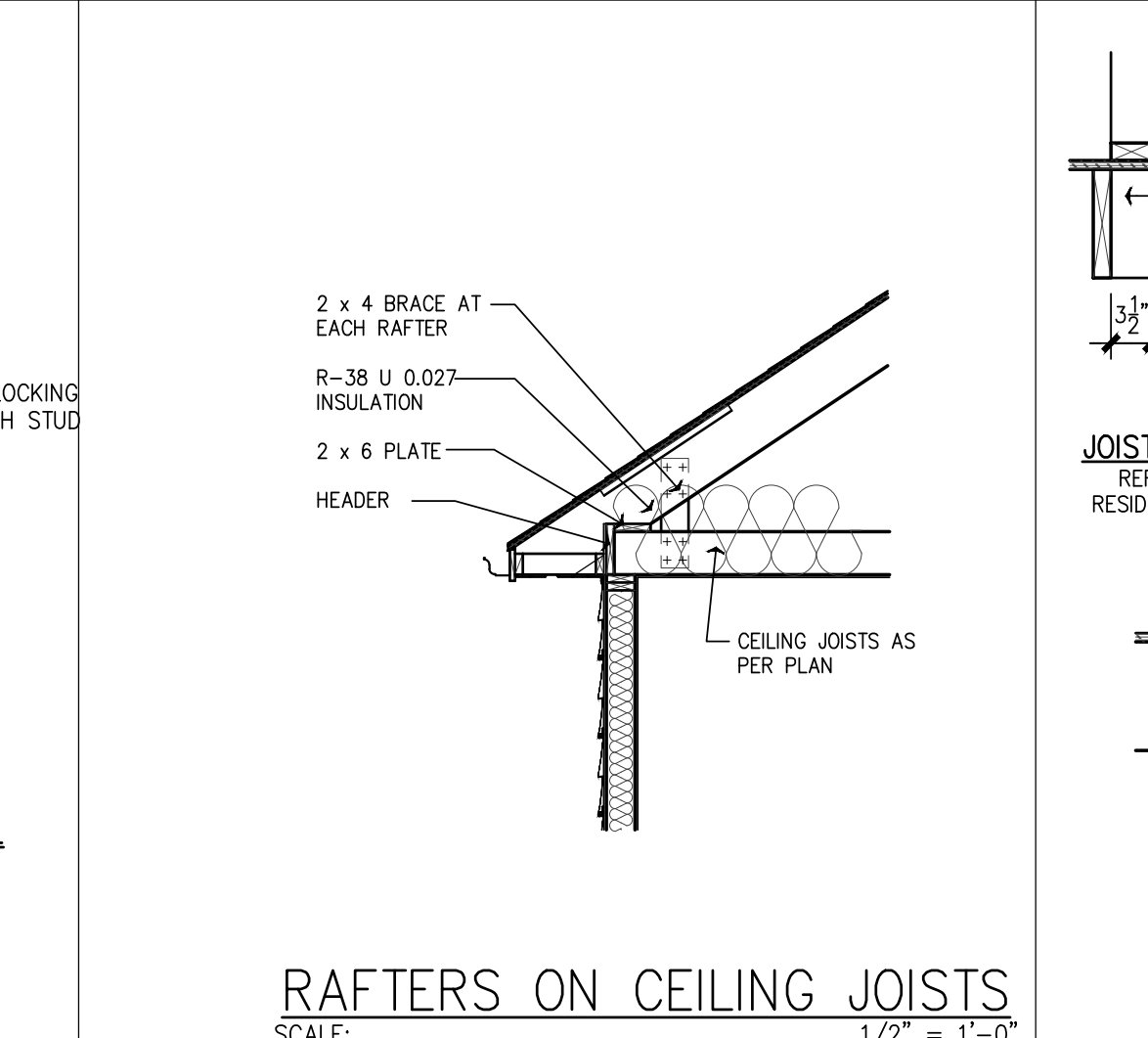
STRONGBACK DETAIL  
SCALE: 1/2" = 1'-0"



FIRE BLOCKING  
SCALE: 3/8" = 1'-0"

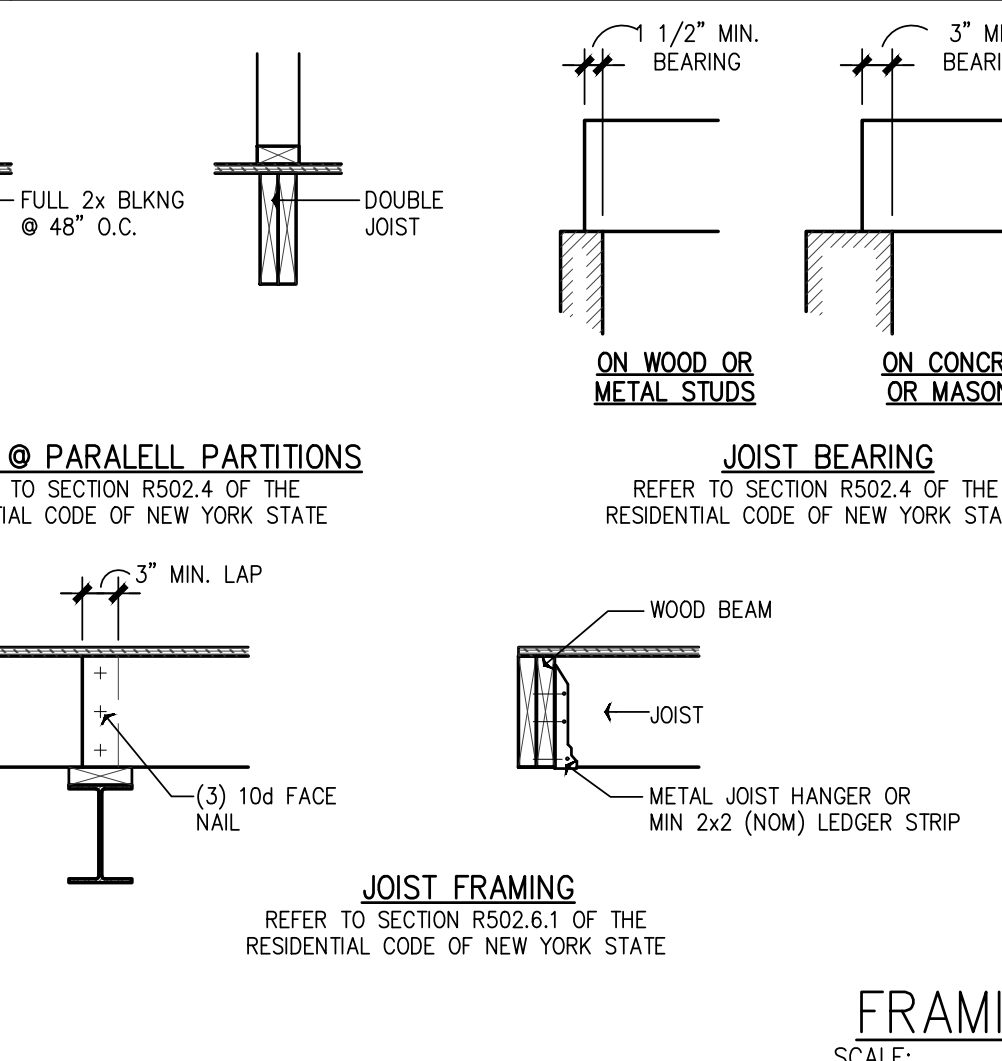


RAFTERS ON CEILING JOISTS  
SCALE: 1/2" = 1'-0"

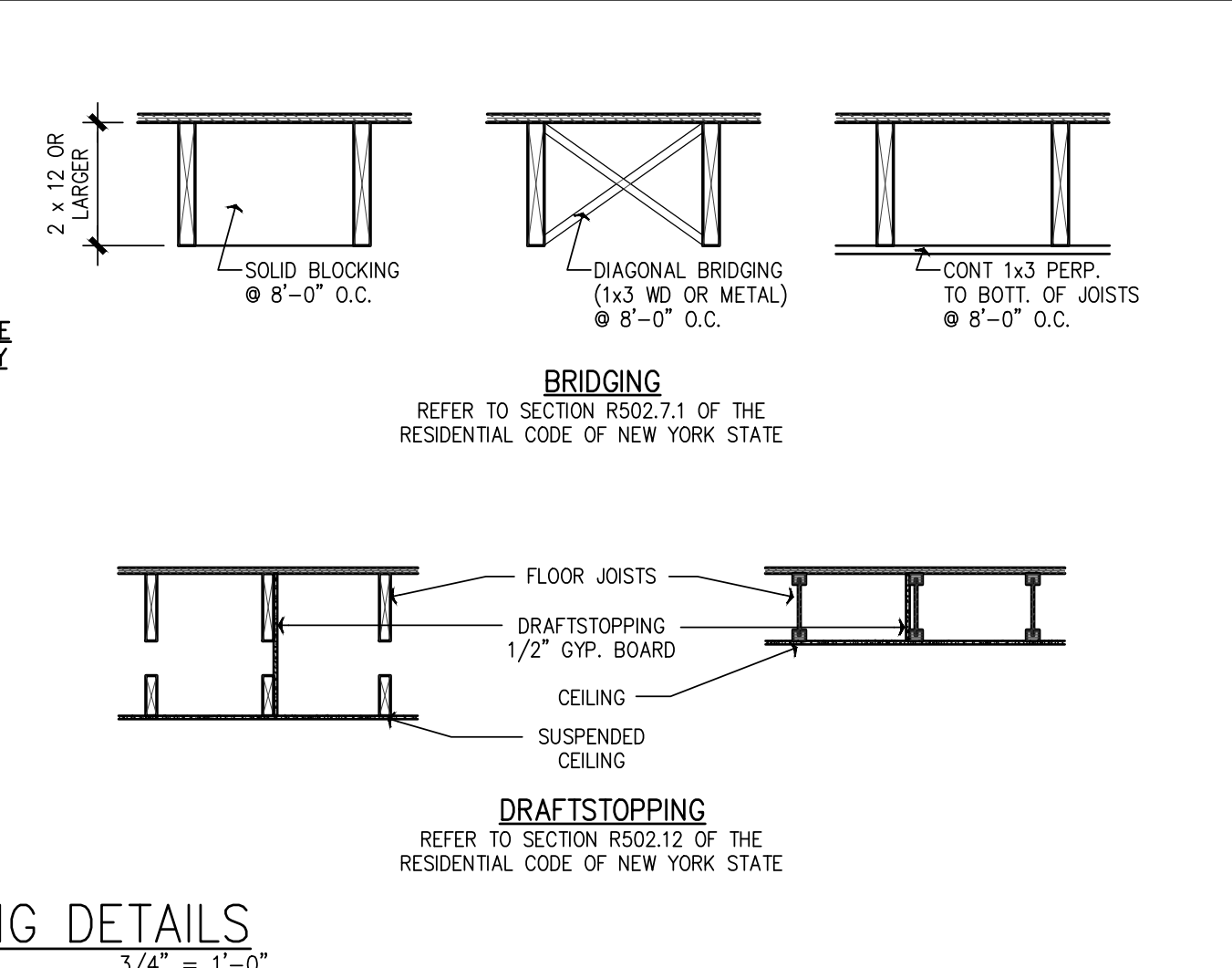


JOISTS @ PARALLEL PARTITIONS  
REFER TO SECTION R502.4 OF THE RESIDENTIAL CODE OF NEW YORK STATE

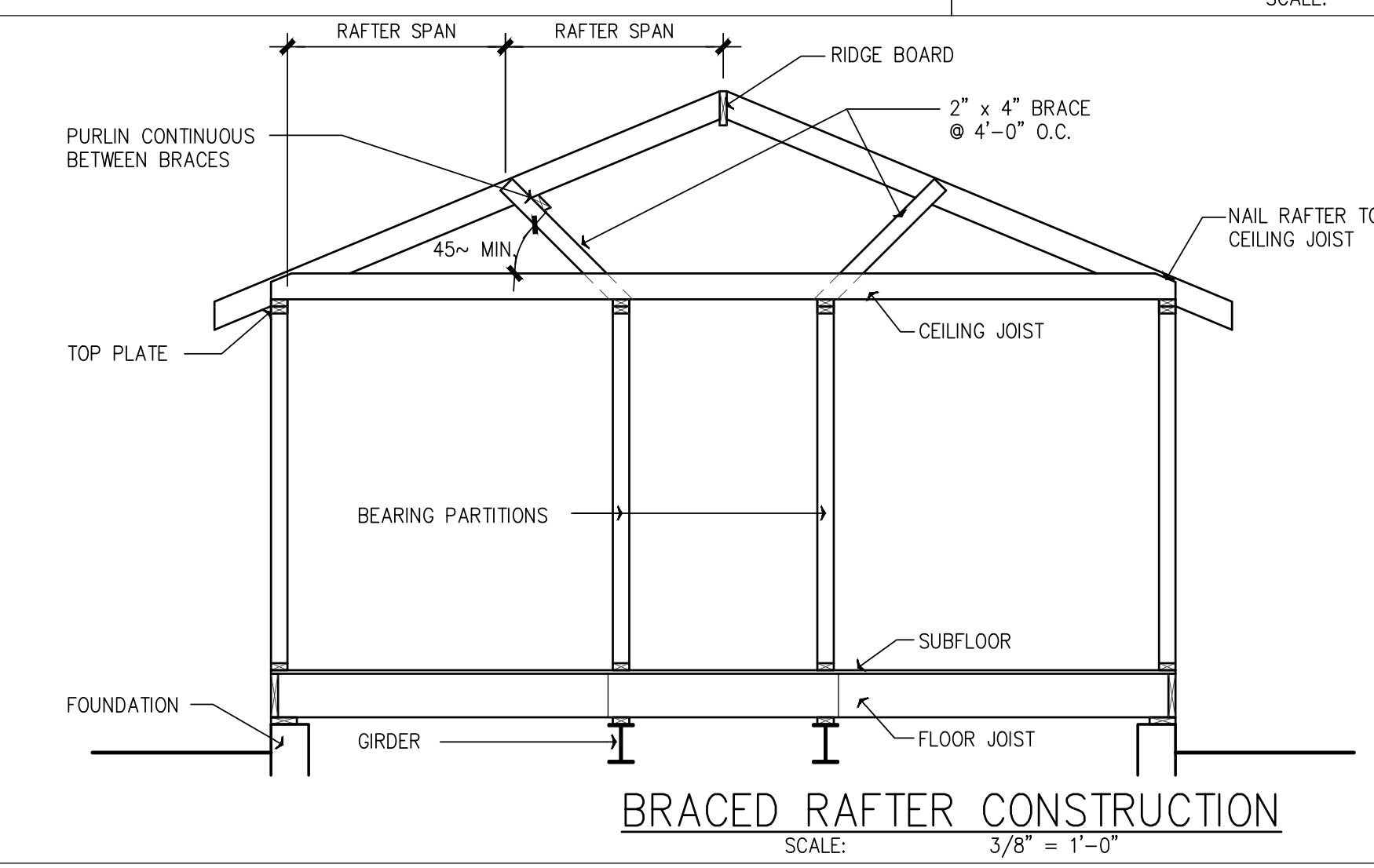
JOIST FRAMING  
REFER TO SECTION R502.6.1 OF THE RESIDENTIAL CODE OF NEW YORK STATE



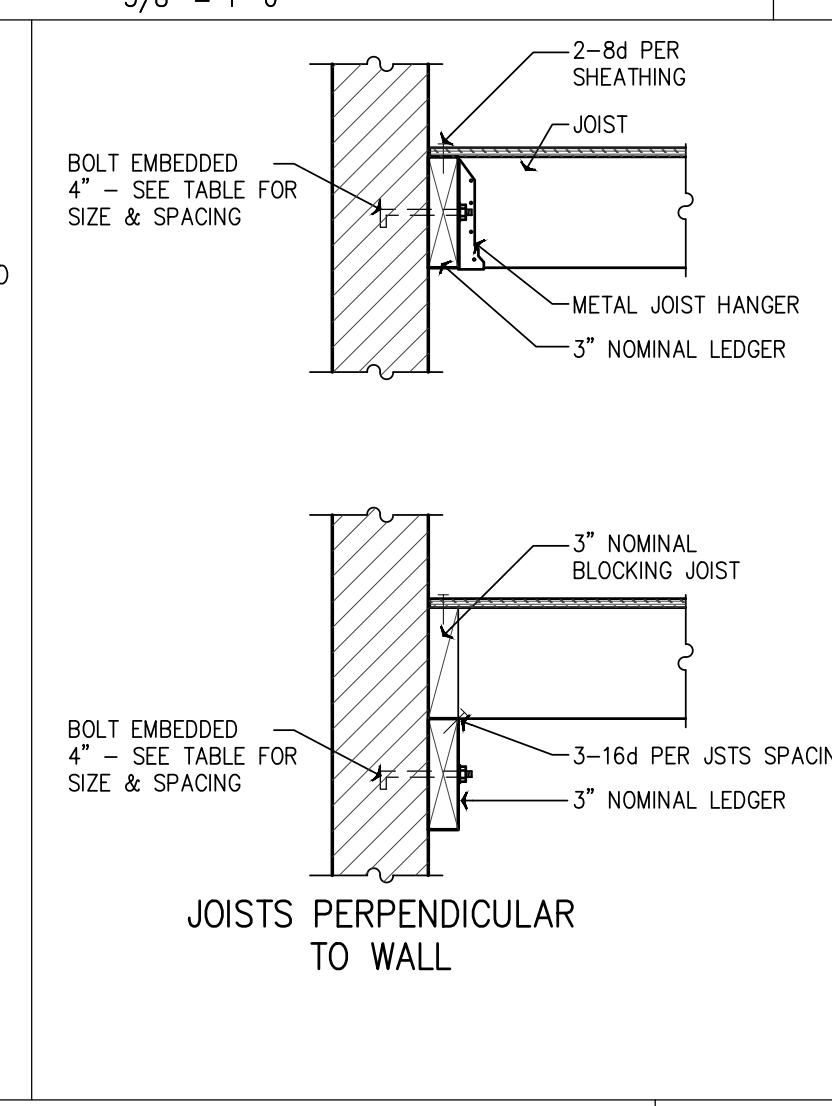
JOIST BEARING  
REFER TO SECTION R502.4 OF THE RESIDENTIAL CODE OF NEW YORK STATE



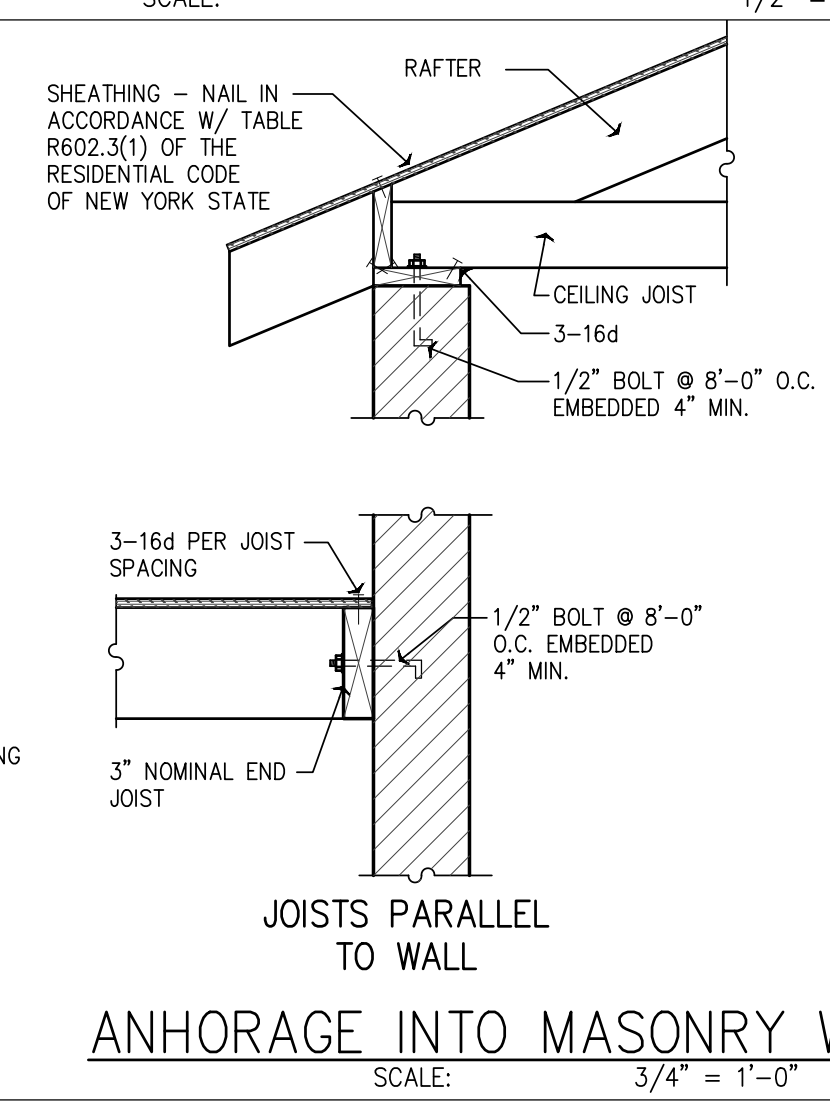
FRAMING DETAILS  
SCALE: 3/4" = 1'-0"



BRACED RAFTER CONSTRUCTION  
SCALE: 3/8" = 1'-0"



JOISTS PERPENDICULAR TO WALL

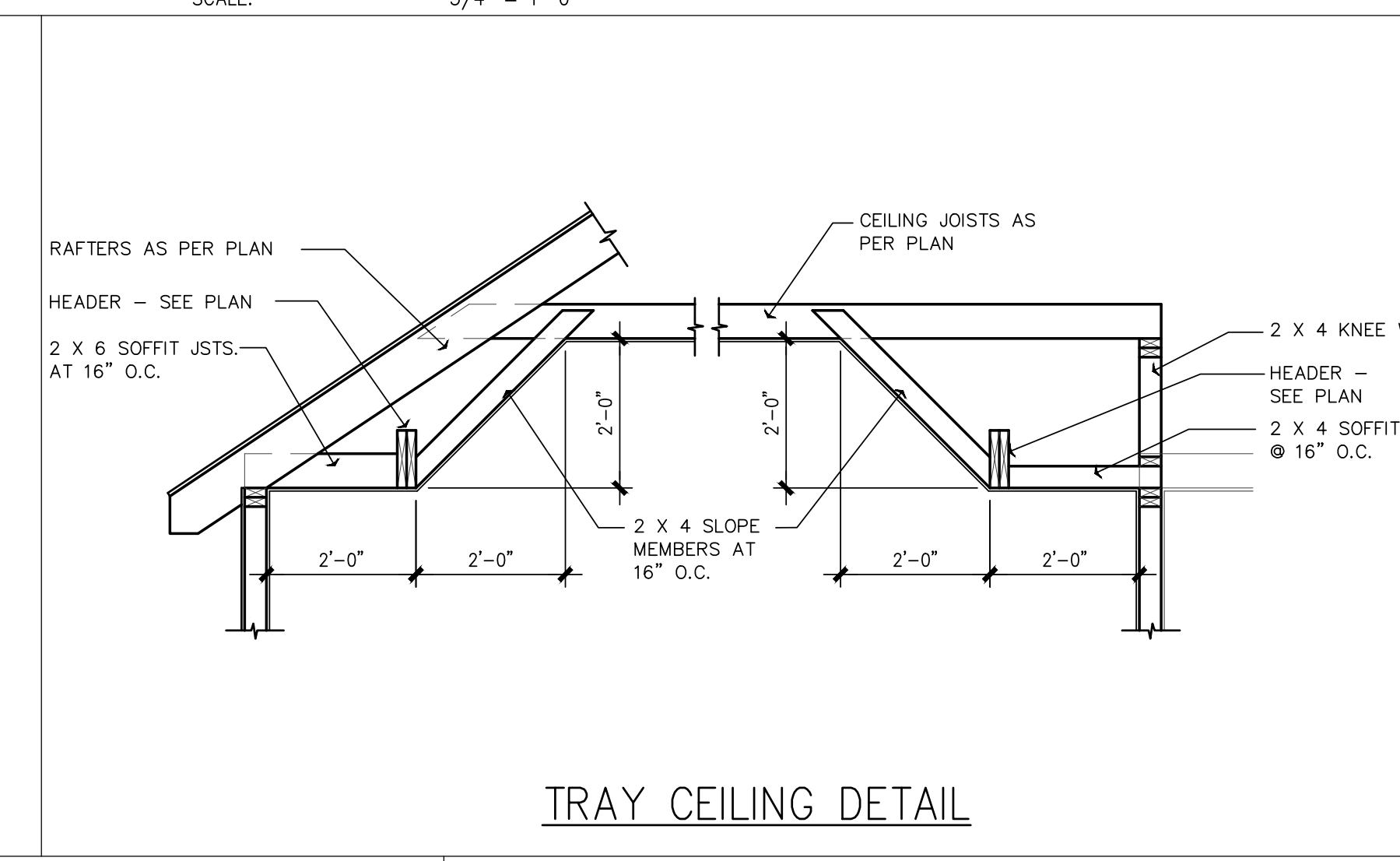


JOISTS PARALLEL TO WALL

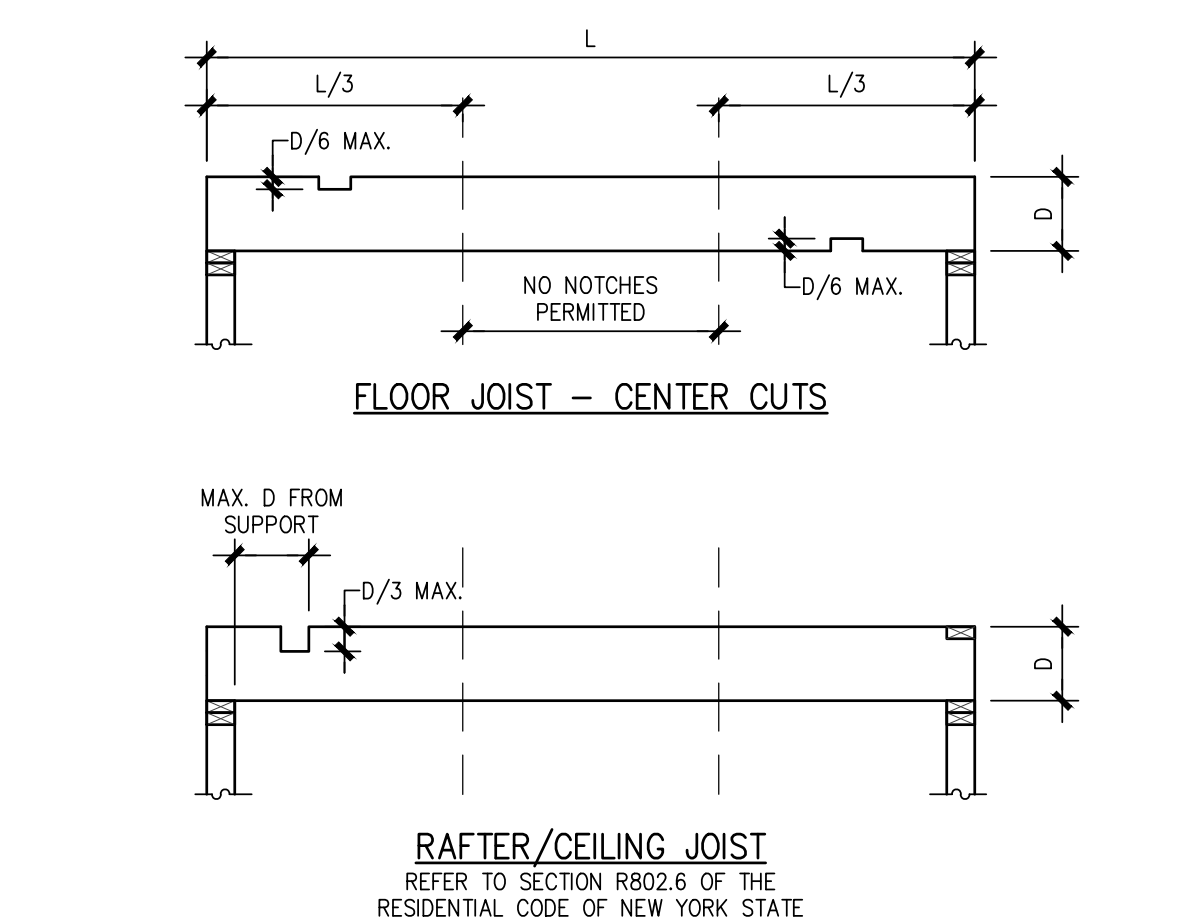
JOIST SPAN	BOLT SIZE & SPACING	
	ROOF	ROOF
10'-0"	1/2" @ 2'-6"	1/2" @ 2'-0"
	7/8" @ 3'-6"	7/8" @ 2'-9"
10'-0" - 15'-0"	1/2" @ 1'-9"	1/2" @ 1'-4"
	7/8" @ 2'-6"	7/8" @ 2'-0"
15'-0" - 20'-0"	1/2" @ 1'-3"	1/2" @ 1'-0"
	7/8" @ 2'-0"	7/8" @ 1'-6"

NOTE: WHERE BOLTS ARE LOCATED IN HOLLOW MASONRY, THE CELLS IN THE COURSES RECEIVING THE BOLT SHALL BE GROUTED SOLID.

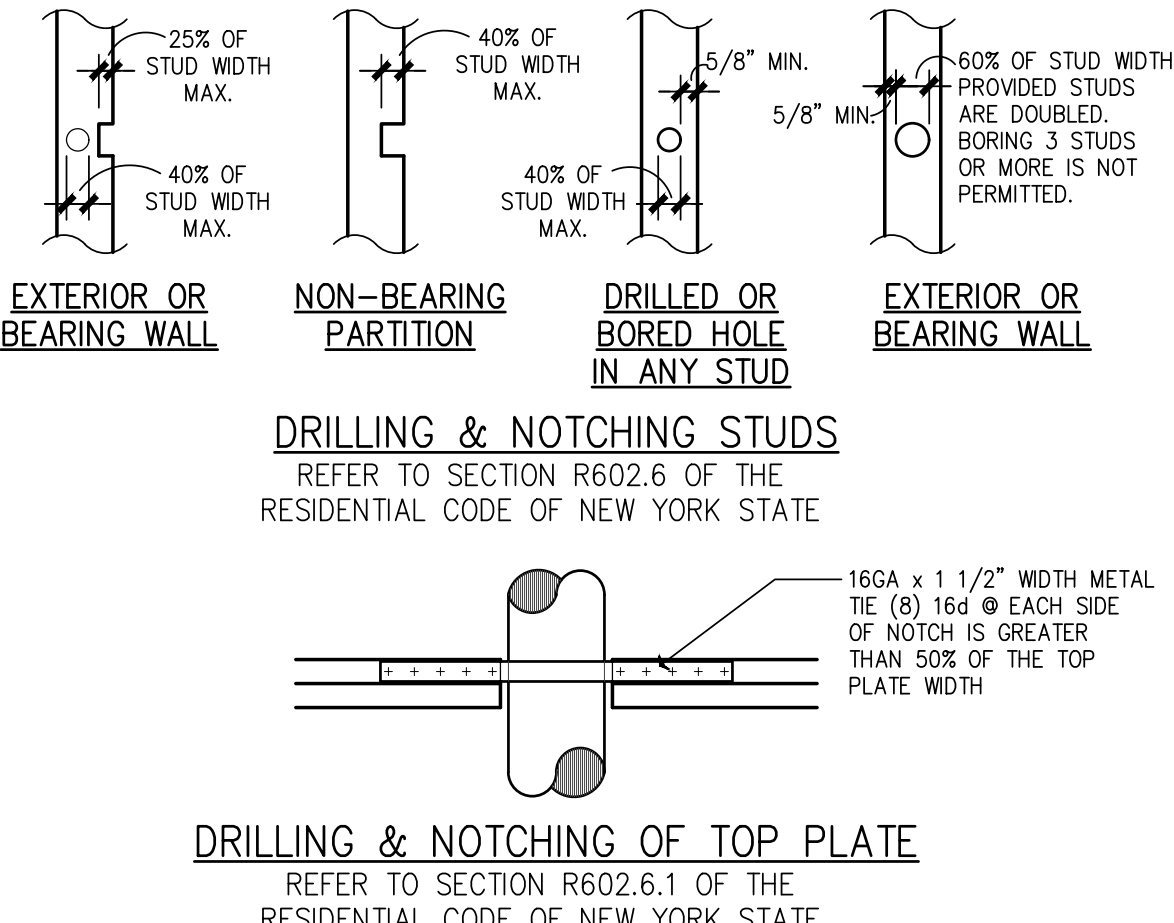
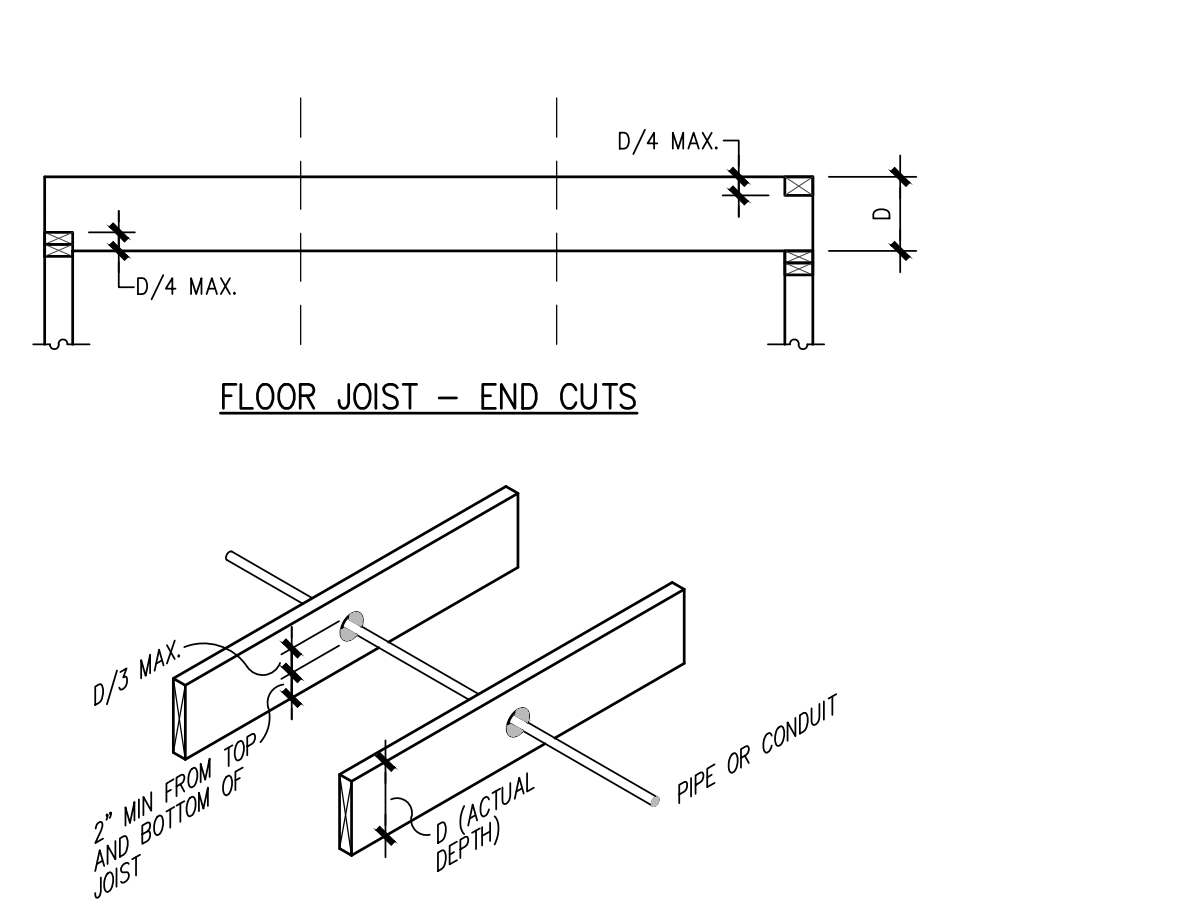
ANCHORAGE INTO MASONRY WALLS  
SCALE: 3/4" = 1'-0"



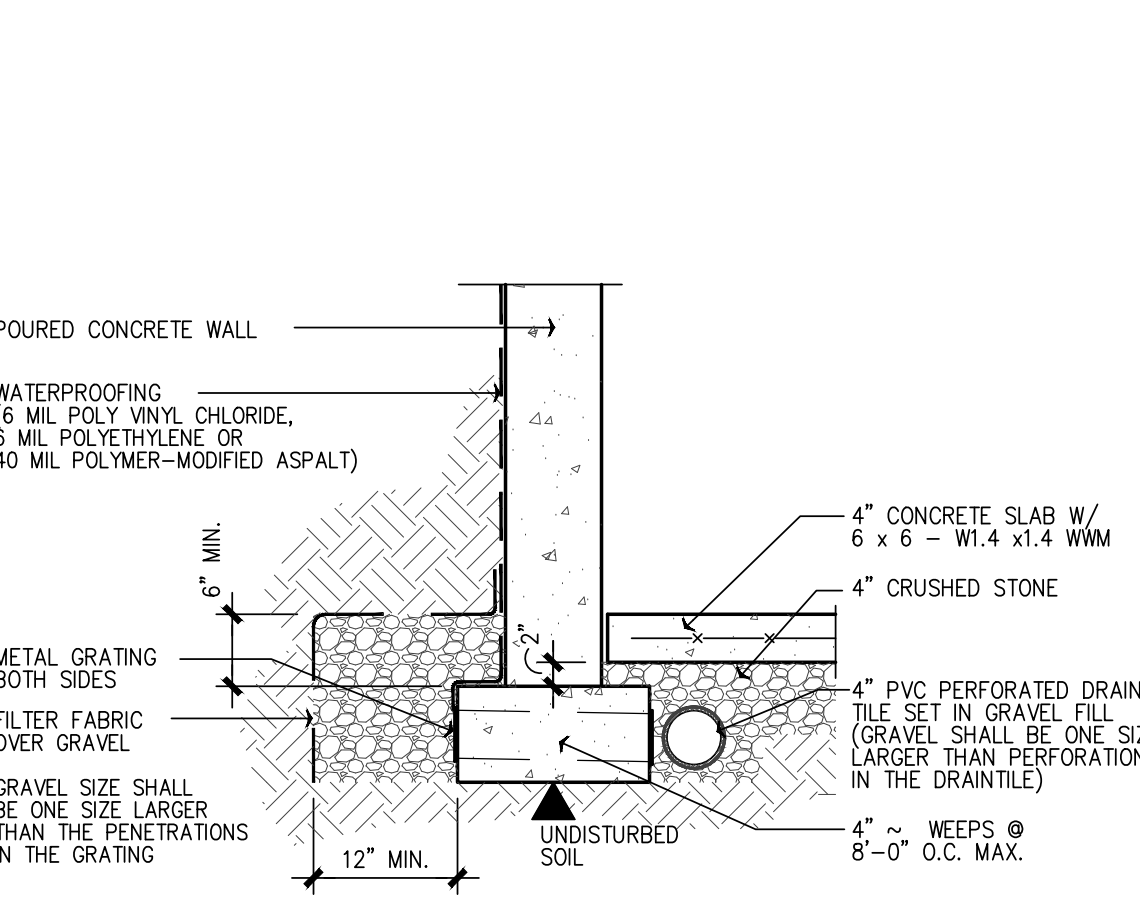
TRAY CEILING DETAIL



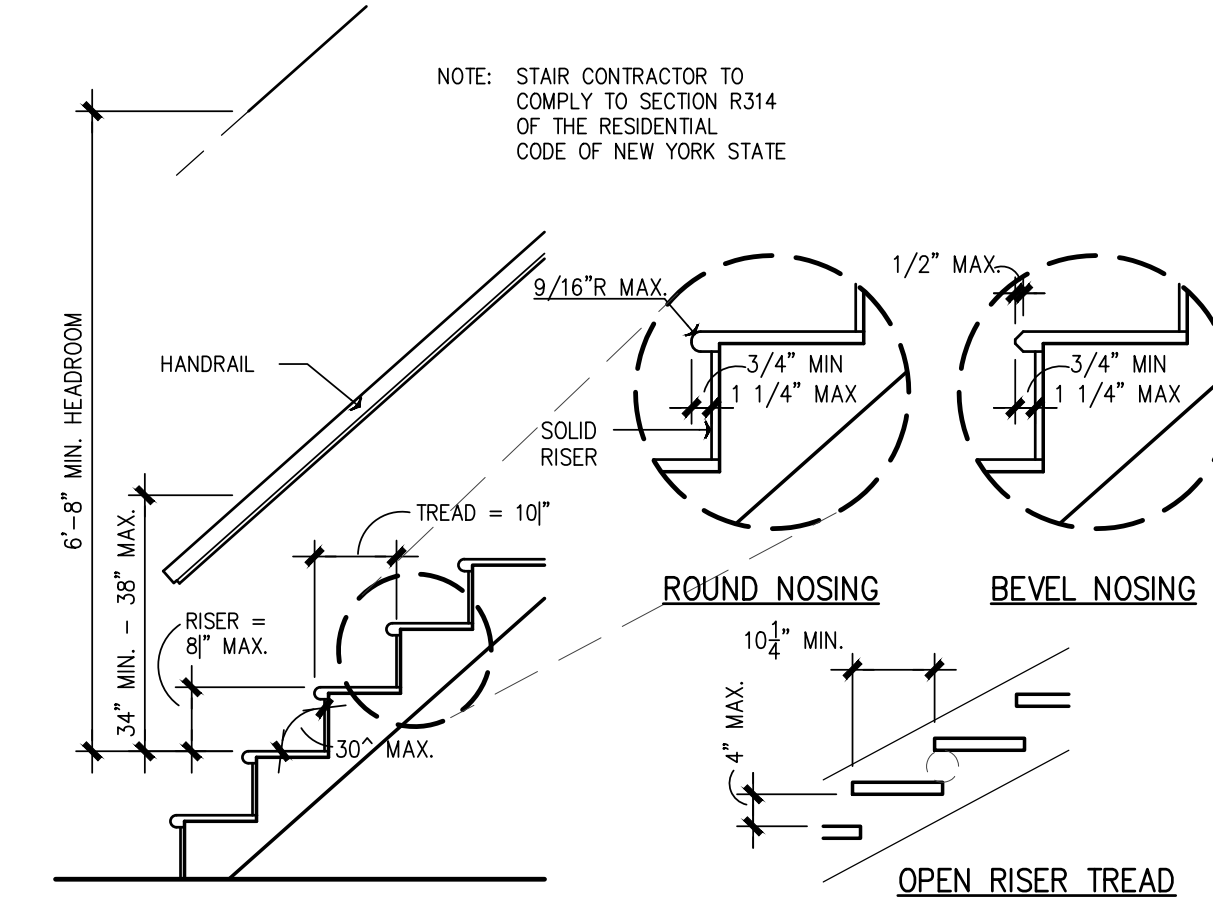
CUTTING, NOTCHING AND DRILLING



DRILLING & NOTCHING OF TOP PLATE  
REFER TO SECTION R602.6.1 OF THE RESIDENTIAL CODE OF NEW YORK STATE



FOUNDATION DRAINAGE DETAIL



STAIR DETAILS  
SCALE: NONE

Proposed Union Road Car Wash  
West Seneca, New York

JAMES. E. BOY ARCHITECTS, PC  
124 LINDEEN AVE.  
KENMORE, NY 14217  
PHONE: (716) 863-1380

PROJECT TITLE: UNION ROAD CAR WASH  
PROJECT NO: 19-001  
DRAWN BY: es  
CHECKED BY: JEB  
START DATE: 1-21-19

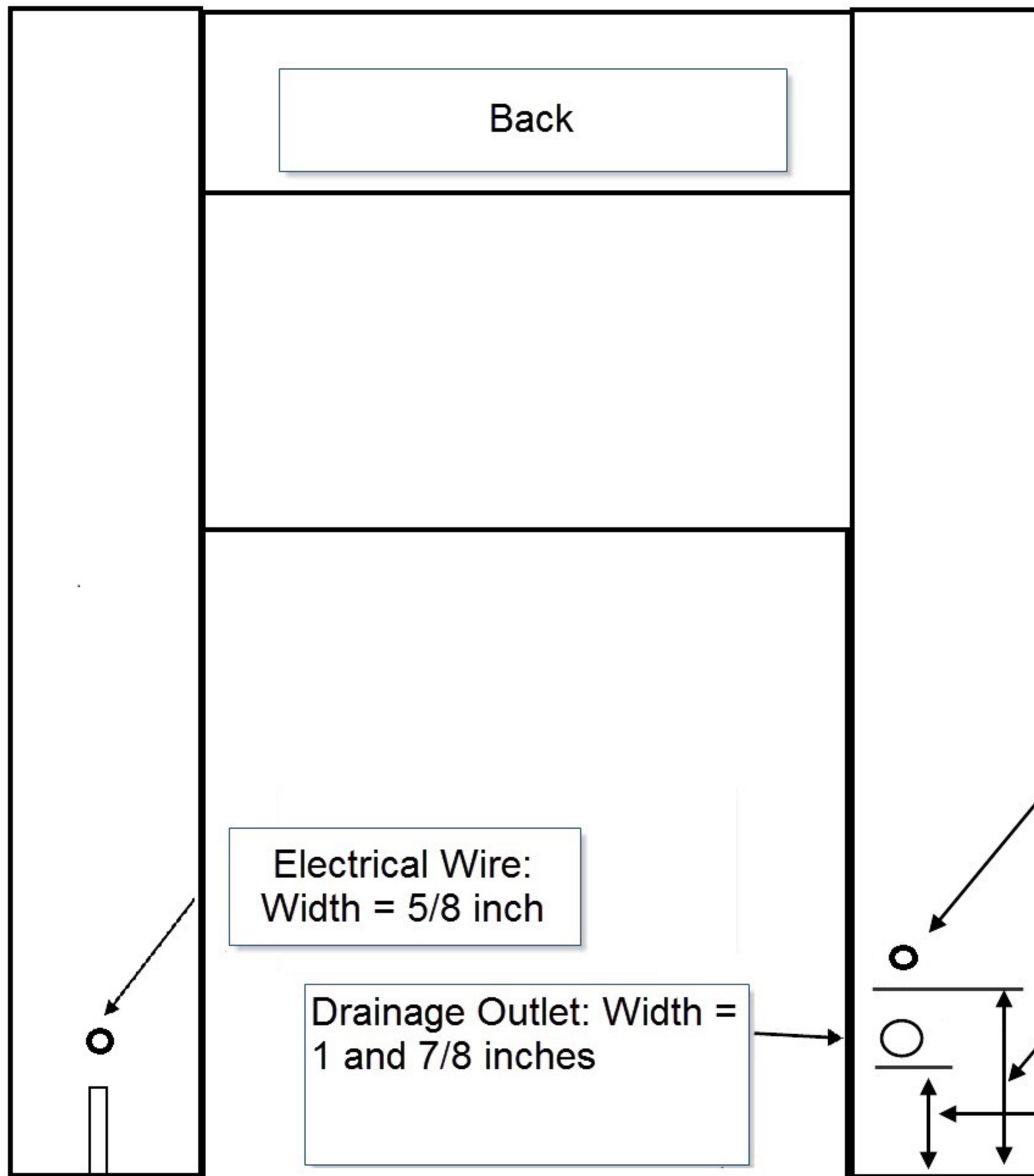
DESCRIPTION:  
BID SET

DRAWING SETS:  
NO: DATE: 01-10-2020

SEAL: REGISTERED ARCHITECT  
STATE OF NEW YORK  
018883

DRAWING NUMBER:  
G100





Water Connection: Width = 1 inch

7 inches

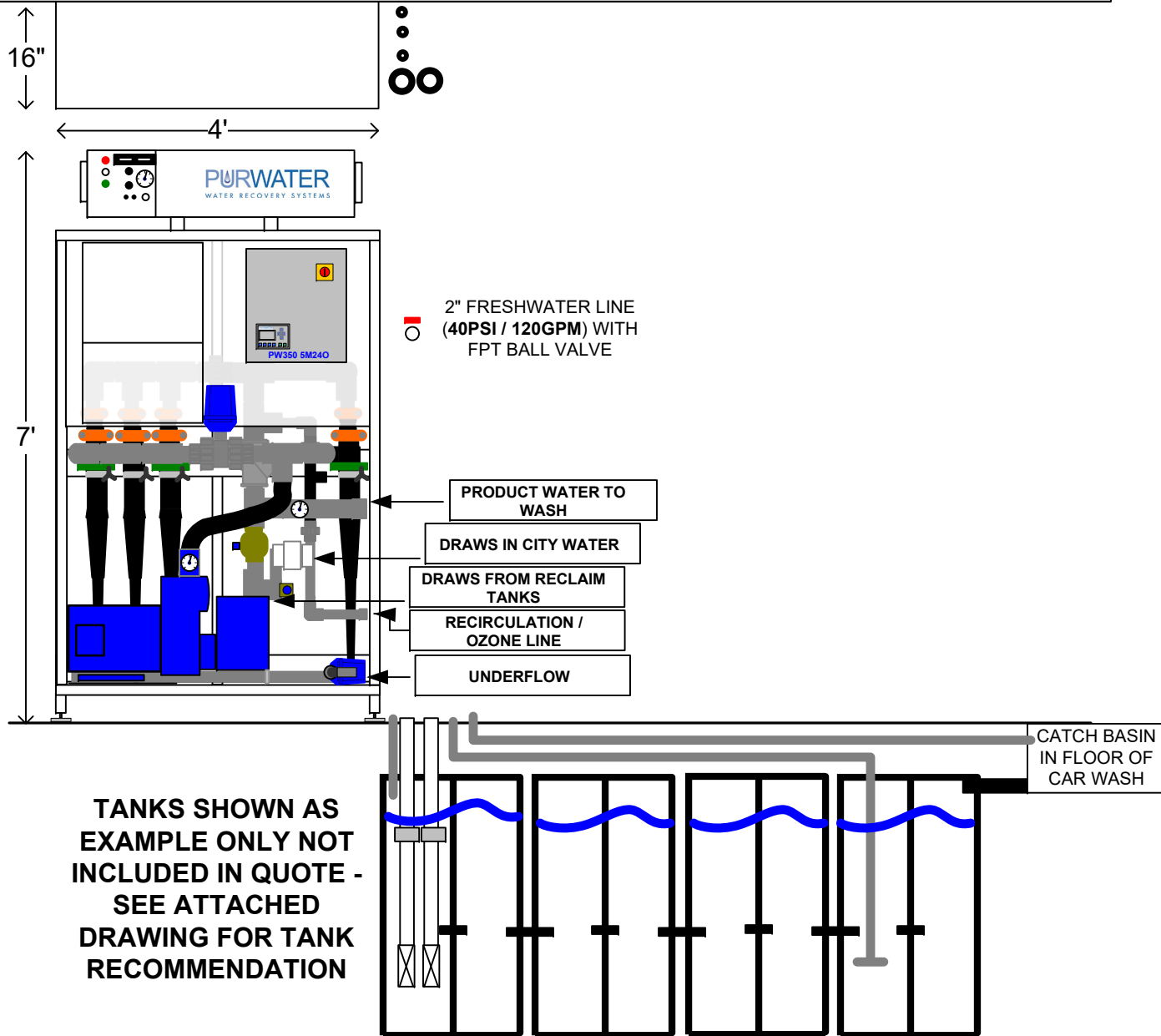
Electrical Wire: Width = 5/8 inch

Drainage Outlet: Width = 1 and 7/8 inches

5.25 inches

5 inch Adjustable Support stand/screw (4 pieces included)

# PW350 5M240 STAND MOUNTED RECLAIM/RECIRCULATION SYSTEM WITH UTILITY REQUIREMENTS



### REQUIREMENTS

#### WATER

- (2) 3" **PVC** SUCTION LINES, ONE FOR USE ONE FOR SPARE, TO COME UP FROM SETTLING TANKS TO THE RIGHT OF THE RECIRCULATION AS SHOWN. 3" PVC FULL FLAPPER CHECK VALVES AT END AS SHOWN, 3" UNIONS ABOVE WATER LINE AS SHOWN
- (1) 2" LINE OUT TO THE WASH MANIFOLD.
- (1) 1" LINE TO RETURN TO THE SECOND CHAMBER OF THE FIRST INCOMING RECLAIM TANK FOR RECIRCULATION / OZONE INJECTION ODOR CONTROL
- (1) 1" LINE TO RETURN TO THE CATCH BASIN FOR THE UNDERFLOW OF THE PUR-WATER SUCCESSION FILTERS
- (1) 2" FRESHWATER LINE (**40PSI / 120GPM**) WITH FPT BALL VALVE MOUNTED TO THE RIGHT OF THE EQUIPMENT - 4 FEET FROM THE FLOOR.

#### ELECTRICAL

- (1) 575 VOLT 20 AMP THREE PHASE CIRCUITS TO BE HARD WIRED 5 FEET UP FROM THE FLOOR TO THE RIGHT OF THE RECIRCULATION UNIT.
- (1) 120 VOLT 20 AMP SINGLE PHASE - FOR THE PLC AND (OZONE - IF APPLICABLE)
- (1) 1" CONDUIT FROM RECLAIM EQUIPMENT CONTROL BOX TO FRONT OF LAST TANK FOR FLOATS.
- (1) 1/2" CONDUIT FROM EACH CARWASH EQUIPMENT CONTROL BOX TO SEND A CONTROL VOLTAGE SIGNAL TO PUR-WATER'S MAIN POWER BOX. CONTROL WIRING FROM CAR WASH CONTROLLER (110v IS THE DEFAULT) TO BE WIRED INTO CONTROL BOX ON FRAME.