

SMI is pleased to offer the following evaporation equipment.

1. Equipment and Pricing

	Description	Qty.	Unit	
	<p>SMI Super Polecat Evaporator with 480V/60Hz 25 HP (18.7 kW) fan motor, fusion bonded epoxy coated steel fan housing, propeller and propeller end cover with stainless steel inlet screen, special large diameter stainless steel spray manifold with quick disconnect nozzles and 2-way stainless steel ball valve for flow regulation , 1-1/2 inch male stainless steel cam and groove fitting on water inlet and 30 PTFE spiral tip nozzles (rated 66 gpm at 100 psi or 250 lpm at 6.9 bar), mounted on 3-wheel fusion bonded epoxy coated steel A-frame chassis with anchor jacks and tow bar, manual hand crank jack for adjusting fan inclination from 0-45°, no oscillation, wind start/stop automatic control panel mounted in the control building, junction box mounted on the yoke for terminating 200 foot of 8/4 type W power cord routed to the control building and no plug. Machine weight, dimensions and noise data are included at the end of this document as attachments 1 and 2.*</p> <p>7.5 HP (5.6 kW) 480V/60Hz stainless steel self-priming submersible pump in PVC sleeve to cool pump, plastic pontoon float system with stainless steel framework, junction box for terminating pump leads with Kellems grip for strain relief, 1.5 in. x 100ft water feed hose from pump to Evaporator, 300 foot of 10/4 SEOWW pump power cord from pump back to the machine control panel.**</p> <p>Package also includes a wind control panel mounted in the control building to broadcast wind information by Ethernet hardwire to individual machine control panels for wind control.</p>	4	Each	

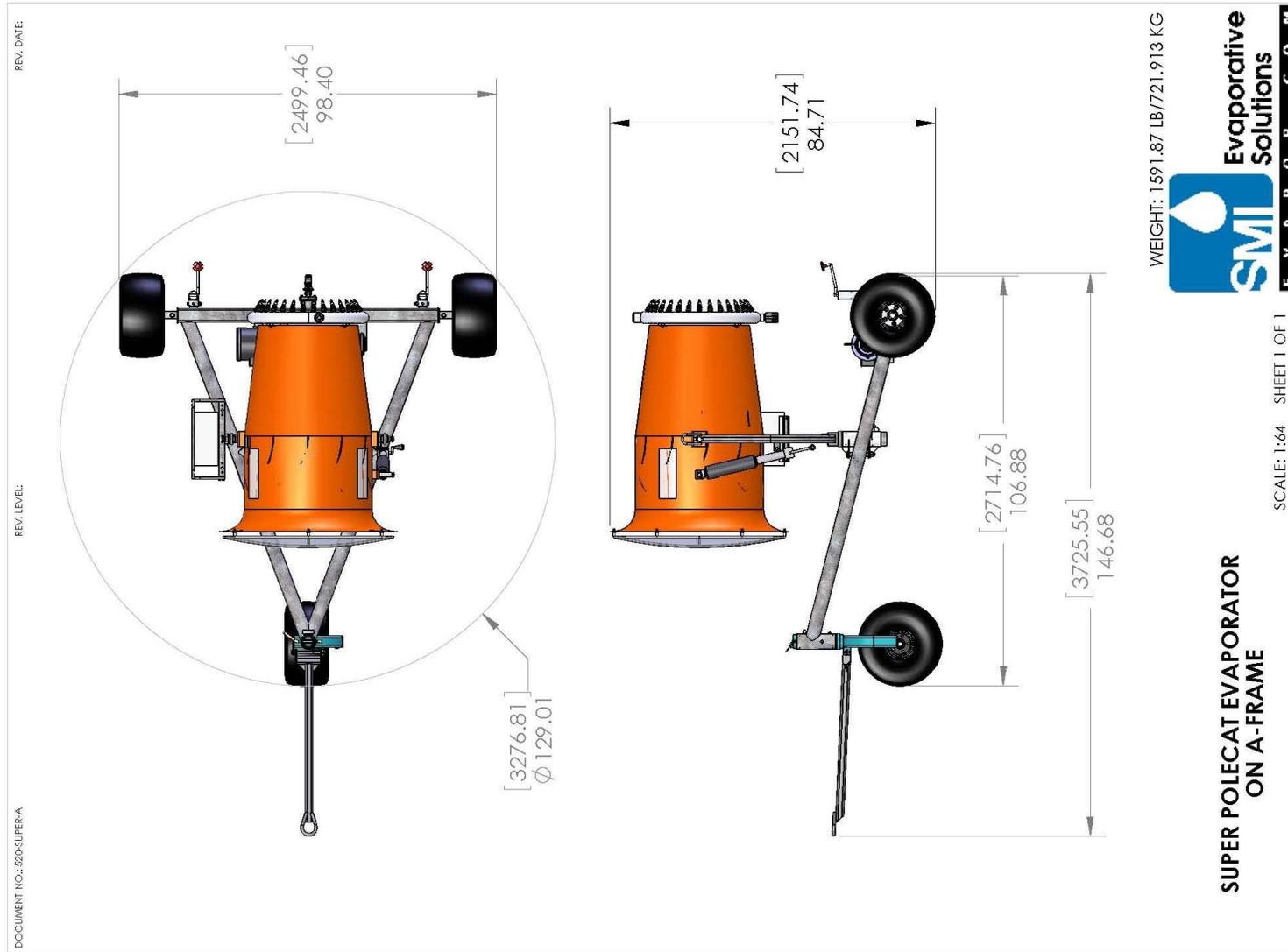
1. Equipment and Pricing (continued)

	Description	Qty.	Unit	
	<p>Prefabricated control building with 2 x 4 wood framing, steel clad exterior, rubber roof, service door, fixed window, interior lighting, electrical outlets, wall mounted dual AC/Heating unit, insulated, and FRP finished interior walls, commercial tile floor, and painted steel building base with fork pockets.</p> <p>Mounted and/or included with the building are:</p> <p>(1) 15 kVA transformer for 480V to 240/120V 1-phase to power building service panel.</p> <p>Weather instrumentation which includes wind speed/direction monitor, and mounting hardware for installation to the building exterior.</p> <p>Weather control panel with PLC, HMI color touch screen display for local machine, and Ethernet radio communications to broadcast weather information to the machine control panels. Weather control panel comes wired to building service panel breaker with entry points for wiring in weather devices.</p> <p>(1) load center with 300A 3-pole main breaker rated for 18 kAIC and (4) 60A 3-pole breakers to supply power to the machine control panels and (1) 50A 2-pole breaker for building power.</p> <p>(1) Square D HOM816L125C building service panel with (1) 50A 2-pole breaker with retainer kit, (1) 20A 2-pole breaker for AC/Heat, (1) 20A single pole breaker for electrical outlets and (1) 15A single pole breaker for lighting.</p>	1	Each	

1. Equipment and Pricing (continued)

	Description	Qty.	Unit	
	<p>Wireway mounted to the interior and exterior of the building for feeding the Evaporator power cords to the machine control panels mounted inside.</p> <p>(4) Machine control panels mounted to the wall and wire to the load center and hardwire communications link back to the Master Control Panel.</p> <p>Building comes complete with all components mounted inside and ready for customer power. Hardware provided for mounting wind monitor to the building exterior.</p>			
	<p>SMI Automation technician on-site 4 days for automation, machine and system training, supervision and start-up including expenses. The machines will be commissioned to verify fan and pump operate correctly and each machine can be controlled and interfaced from the Weather control panel in the control building. Input values will be established for wind speed and direction for each machine to minimize drift at the site. The technician will also verify the machines start/stop based upon wind speed.</p> <p>SMI Automation technicians will also inspect for proper machine installation and spacing, wiring of machines to machine control panels in the building, mounting and positioning of the wind monitor on the control building.</p> <p>Equipment must be installed and have power to the building and equipment before the Automation technician arrives.</p>	1	Each	

Attachment 1: Machine weight and dimensions



Attachment 2: Super Polecat Noise Data

Accoustic Measurements for SMI Evaporators, dBA					
Location of measurement		420F Floating Evaporator	420B Evaporator	Super PoleCat Evaporator	Kid Polecat Evaporator
25	feet in front of unit	84	84	80	70
50	feet in front of unit	78	78	75	64
75	feet in front of unit	76	76	71	61
125	feet in front of unit	71	71	66	51
150	feet in front of unit	70	70	63	50
25	feet to the side of unit	84	84	77	67
50	feet to the side of unit	78	78	71	60
75	feet to the side of unit	74	74	78	51
50	feet behind unit	not available	not available	77	65





LSE NOISE BARRIER WALL SYSTEM

The Industrial Absorptive Noise Barrier Wall with Over 30 Years of Proven Performance!

Outstanding Features:

- Fully Absorptive
- Lightweight
- Modular Design
- Choose Any Color
- Easy to Assemble and Disassemble
- Non-Corrosive
- Non-Conductive
- Water/Moisture Resistant
- Will Not Rust, Rot or Stain
- Fast Delivery



EASY TO INSTALL!

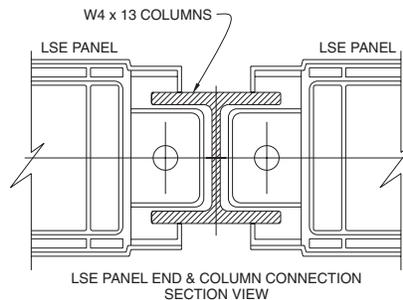
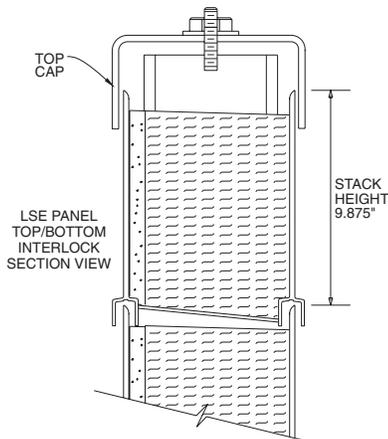
The Sound Fighter® LSE Noise Barrier Wall System is the perfect solution to virtually any industrial noise application. The noise absorptive panels are easy to install and maintenance free. Since the LSE System has such a high absorptive value, the possibility of reflected noise is eliminated. Sound Fighters has been manufacturing and shipping the LSE Sound Wall System throughout the world for over 30 years.

THE ULTIMATE IN NOISE CONTROL

Easy to Install!



The Sound Fighter® LSE Noise Barrier Wall System is designed for easy installation. Because the panels are lightweight and modular, the LSE sound wall can be installed much cheaper than other noise barriers. **Any construction company can easily erect the LSE wall system in just a few days without any special equipment.**



Applications:

- Chillers
- Compressors
- Transformers
- Loading Docks
- Gas Transmissions Stations
- Rock Crushers
- Wood Chippers
- Vibrators & Shakers
- Air Conditioning Equipment
- Truck Turn Arounds
- Commercial Sites
- Industrial Sites
- Shopping Centers
- Racetracks
- Utility Stations
- Residential Developments

Dimensions:

	LSE 1000	LSE 2000
Length	38.75"	73.00"
Depth	6.00"	6.00"
Height	10.50"	10.50"
Stack Height	9.875"	9.875"
Area	2.50 Sq.ft	5.00 Sq.ft
Panel Weight	11.75 lbs.	23.25 lbs.
Weight/Sq.ft	5 lbs.	5 lbs.
Col. Center Dist.	39.50"	74.00"

Certified Laboratory Acoustic Test and Results:

Noise Absorption Test

Test Result

Noise Reduction Coefficient

1.05

Test Method

ASTM C 423-90a
ASTM E 795-92

Sound Transmission Loss Test

Test Result

Sound Transmission Loss

33

Test Method

ASTM E 90-90
ASTM C 423-90a
ASTM E 1332-90



6135 Linwood Avenue
Shreveport, Louisiana 71106

Tel: 318.861.6640

Fax: 318.865.7373

www.soundfighter.com



High-Performance Noise Barriers for the Water & Wastewater Industry



3-Sided LSE Absorptive Pump Enclosure



Retrofitted LSE Absorptive Pump Enclosure



Highly-Effective Noise Barriers for:

- ✓ Pumps
- ✓ Generators
- ✓ Compressors
- ✓ All Mechanical Equipment



LSE BENEFITS:

- 100% Sound Absorptive
- Non-Corrosive
- Easy to Install
- Extremely Durable
- Will Not Rust, Rot or Stain
- Miami-Dade Wind Load Tested
- Doors, Gates and Louvers Available
- Available in Any Color

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LSE NOISE BARRIER WALL SYSTEM

STANDARD COLOR CHART

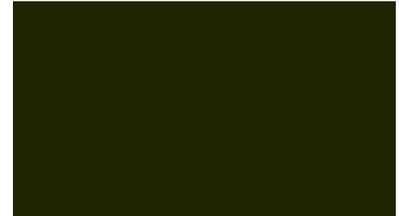
The **LSE Noise Barrier Wall** panels are injection molded with color pigments and UV stabilization throughout. Shown below are the current standard colors that Sound Fighter® Systems offers. However, special CUSTOM* colors can be produced to match buildings or equipment if desired. No painting is required for the LSE System. The LSE panels will retain original color for many years with minimum fading.



Beige
SF-001



Taupe
SF-002



Dark Bronze
SF-003



Moss
SF-004



Courtyard
SF-005



Hunter Green
SF-006



Aloof Gray
SF-007



Standard Gray
SF-008



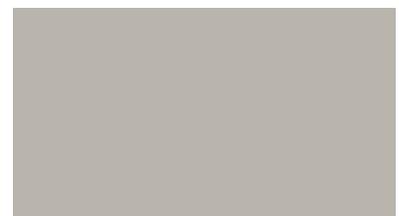
Charcoal
SF-009



Snowfall
SF-010



Paris White
SF-011



Sandstone
SF-012

NOTE: Colors shown above are for example only, for accurate color selection, please request an actual color sample from our factory.

* Custom colors may be matched to a provided sample. Please be aware that there MAY be an additional charge for color-matching.



SOUND FIGHTER SYSTEMS

P.O. Box 7216

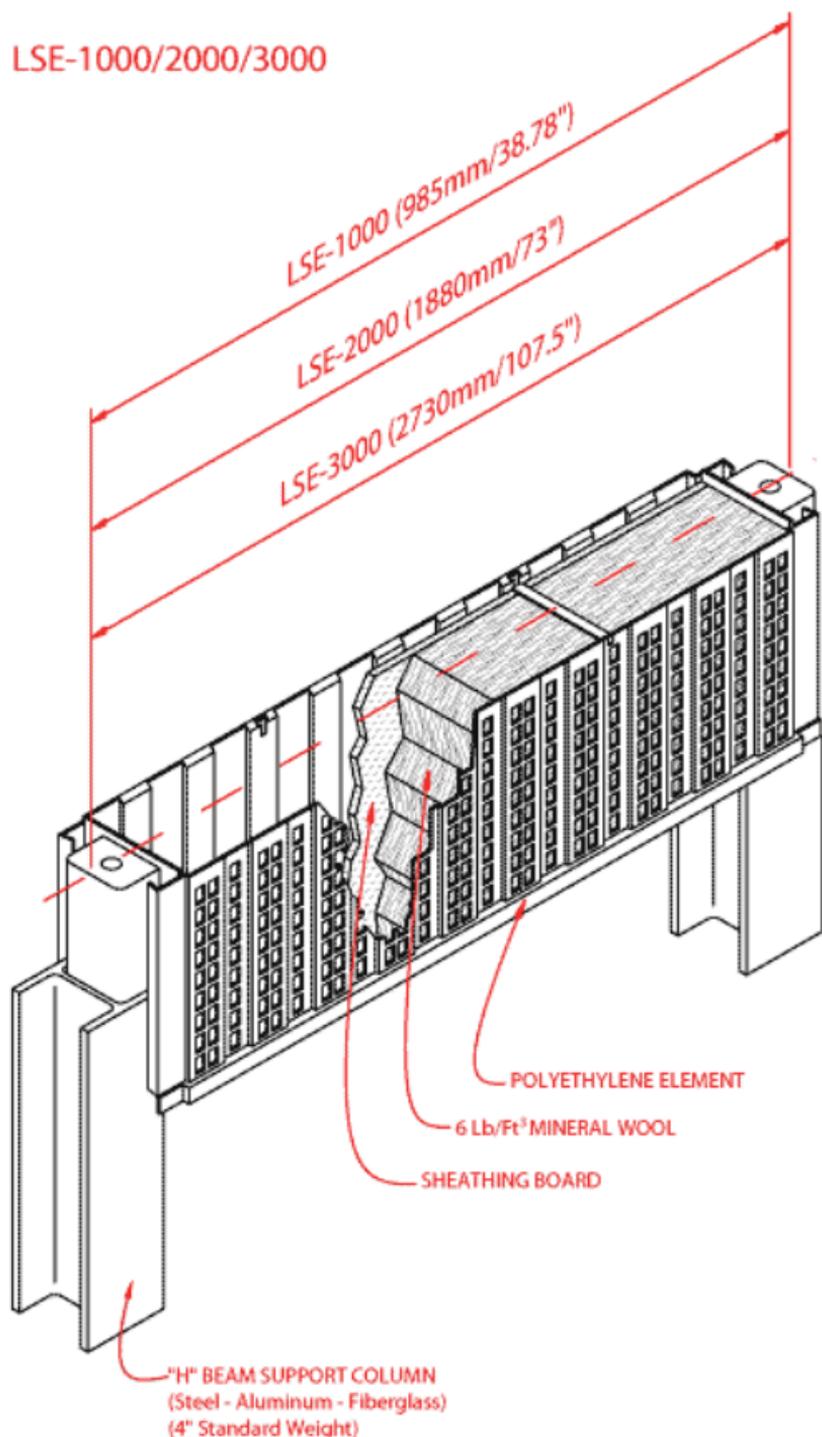
Shreveport, LA 71137

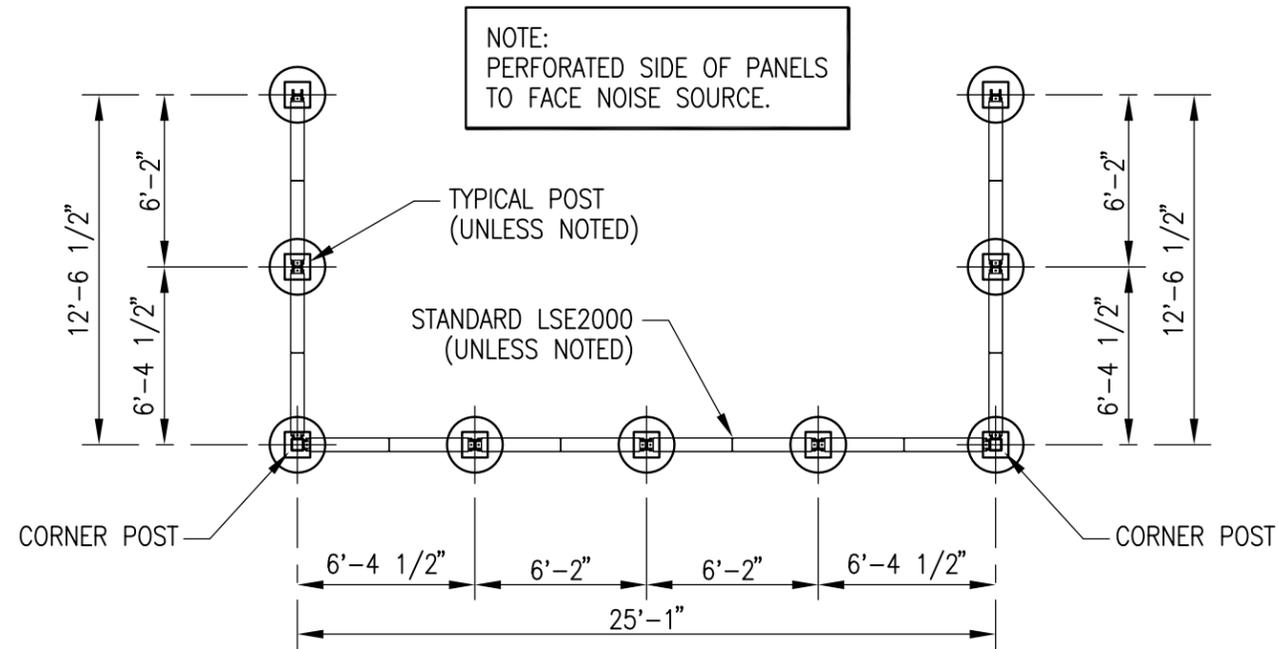
Tel: 318.861.6640

Fax: 318.865.7373

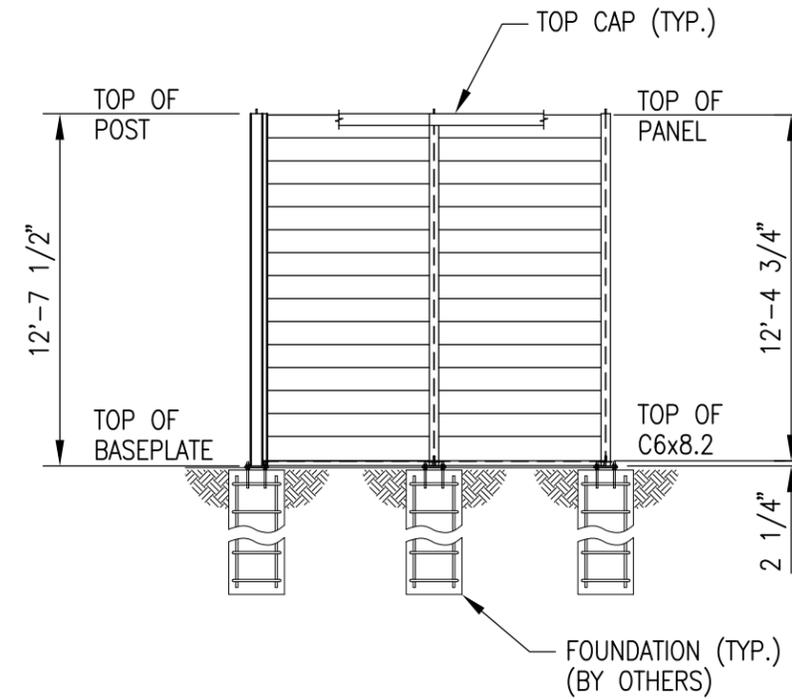
www.soundfighter.com

LSE-1000/2000/3000

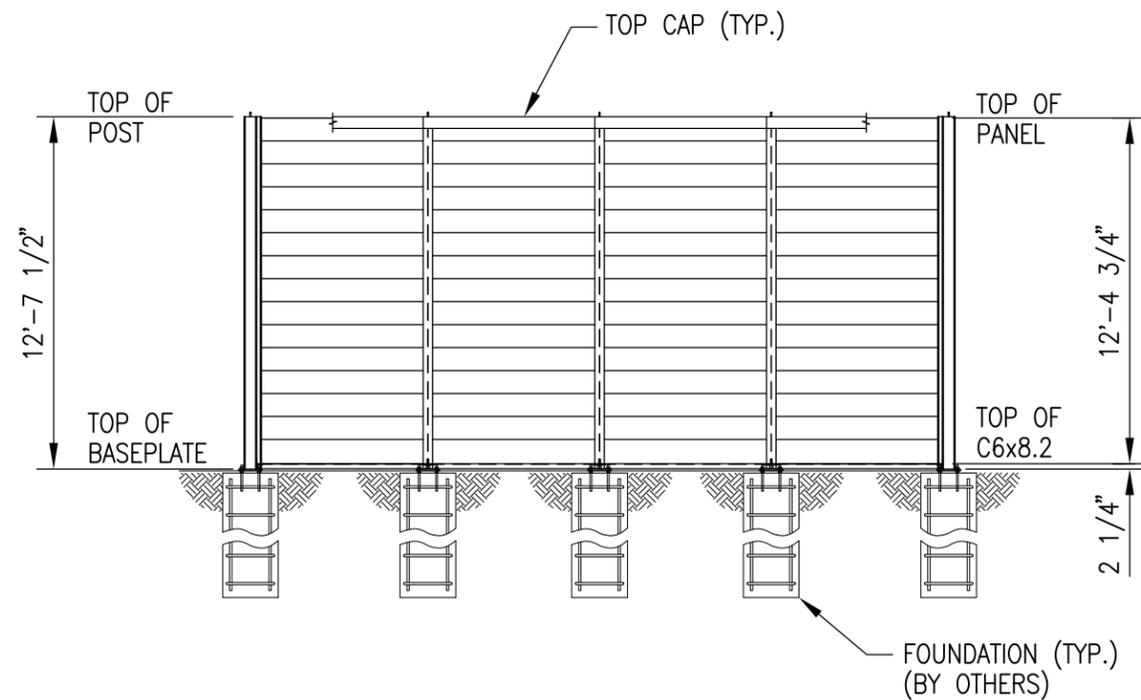




PLAN VIEW



ELEVATION



ELEVATION

LSE2000 SECTIONS	8
LSE2000 PANELS	120
TOTAL LINEAR FEET	50'-2"
TOTAL SQUARE FEET	622
STACK HEIGHT	(15) PANELS 12'-4 3/4"

DESIGN CRITERIA:

1. STEEL FOR WIDE FLANGE SHAPES AND BUILT-UP COLUMN MEMBERS SHALL CONFORM TO ASTM A572 GRADE 50 OR ASTM A992, ALL OTHER STRUCTURAL STEEL SHAPES AND BASE PLATES SHALL CONFORM TO ASTM A36.
2. ALL CALCULATIONS ARE BASED ON WIND LOADS PERPENDICULAR TO WALL (20 PSF).
3. ALL ANCHOR BOLTS SHALL CONFORM TO ASTM A-36 UNLESS OTHERWISE NOTED.
4. ALL WELDING SHALL CONFORM TO THE AMERICAN WELDING SOCIETY AND ELECTRODES SHALL BE E70XX.
5. ALL FABRICATED STEEL MEMBERS AND ANCHORS ARE TO BE HOT-DIP GALVANIZED.

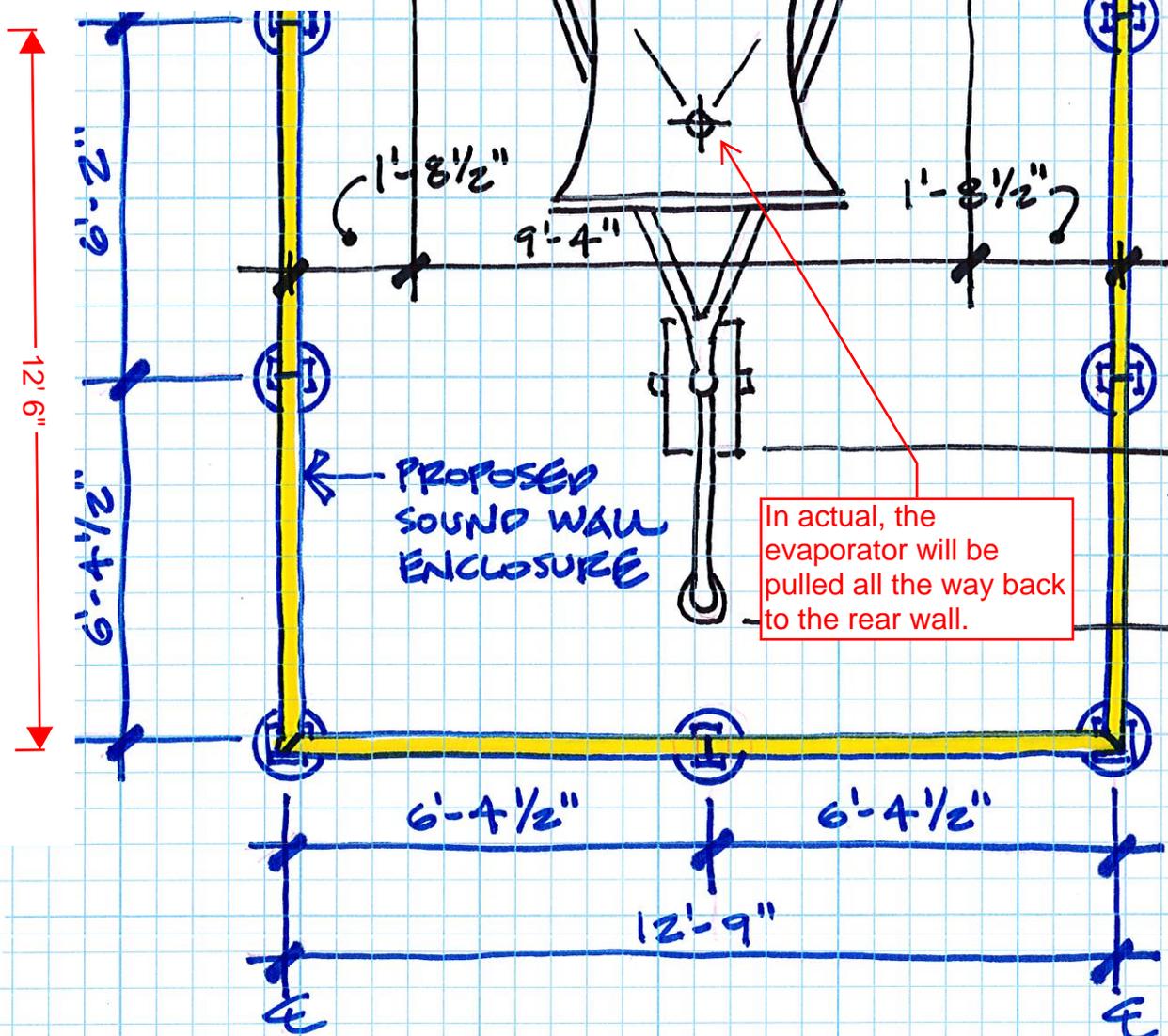
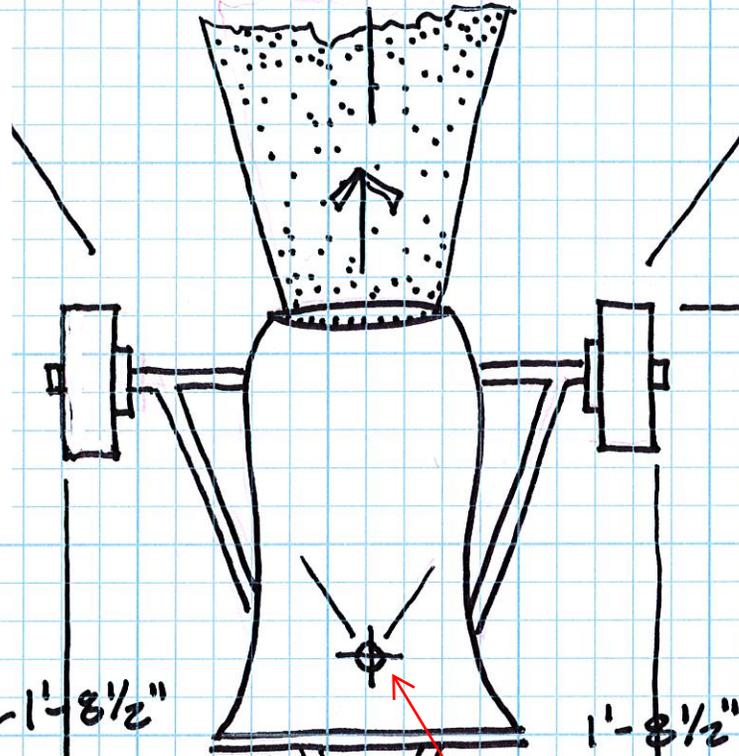
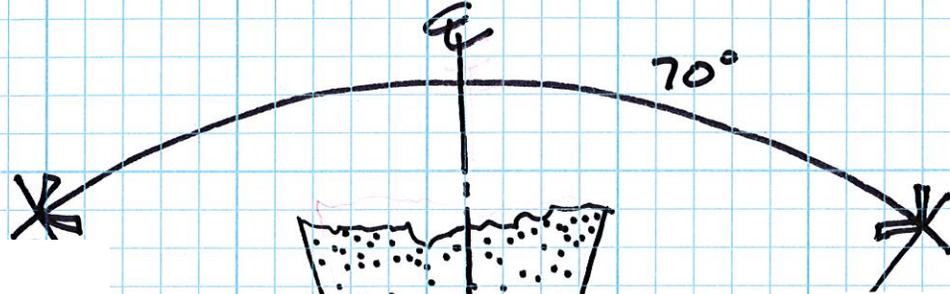
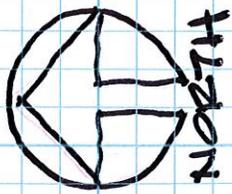
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DRAWN	KG	DATE	1/22/08
APPRV		DATE	

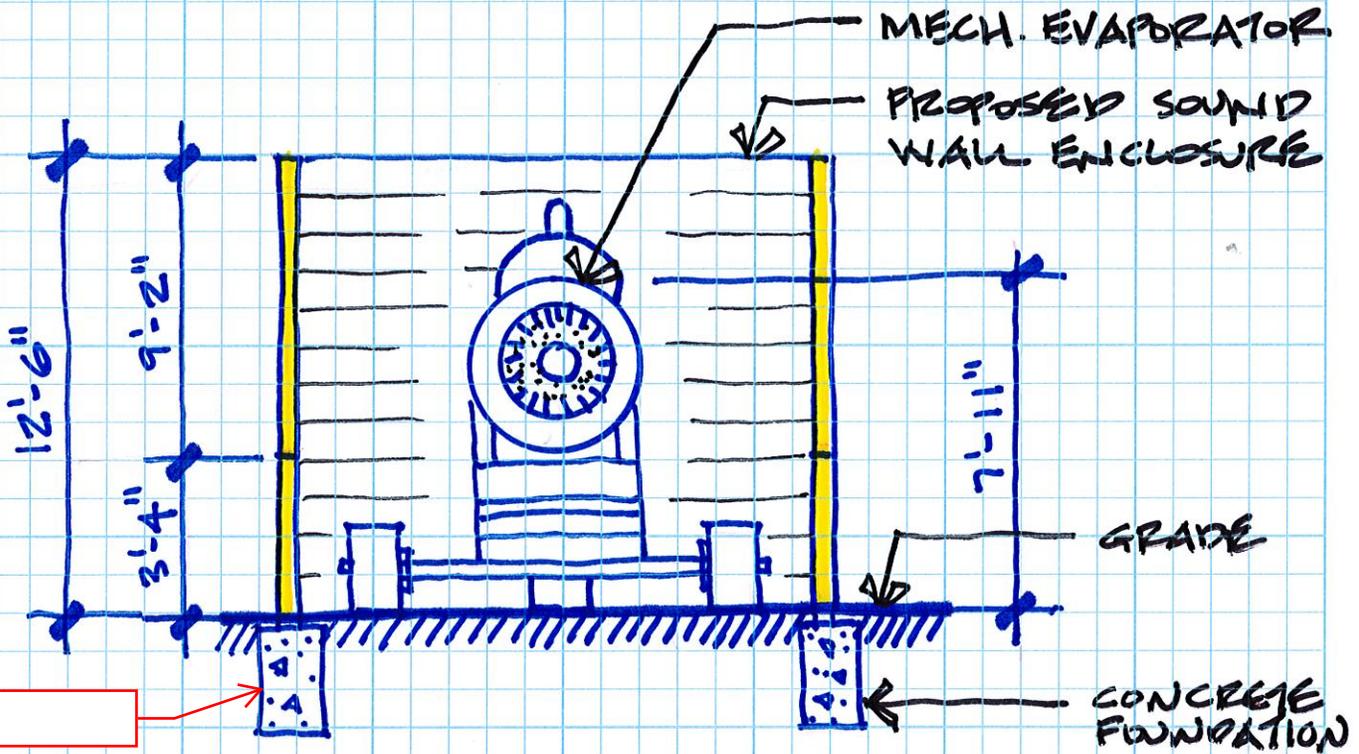
REV	DESCRIPTION	BY	DATE
	LSE NOISE BARRIER SYSTEM		
	12' HIGH WALL		
ELEVATION & PLAN VIEW			
SIZE	PROJECT	DWG NO	REV
B	.	U SHAPE WALL.dwg	.
SCALE	N.T.S.		SHEET 1



← PROPOSED
 SOUND WALL
 ENCLOSURE

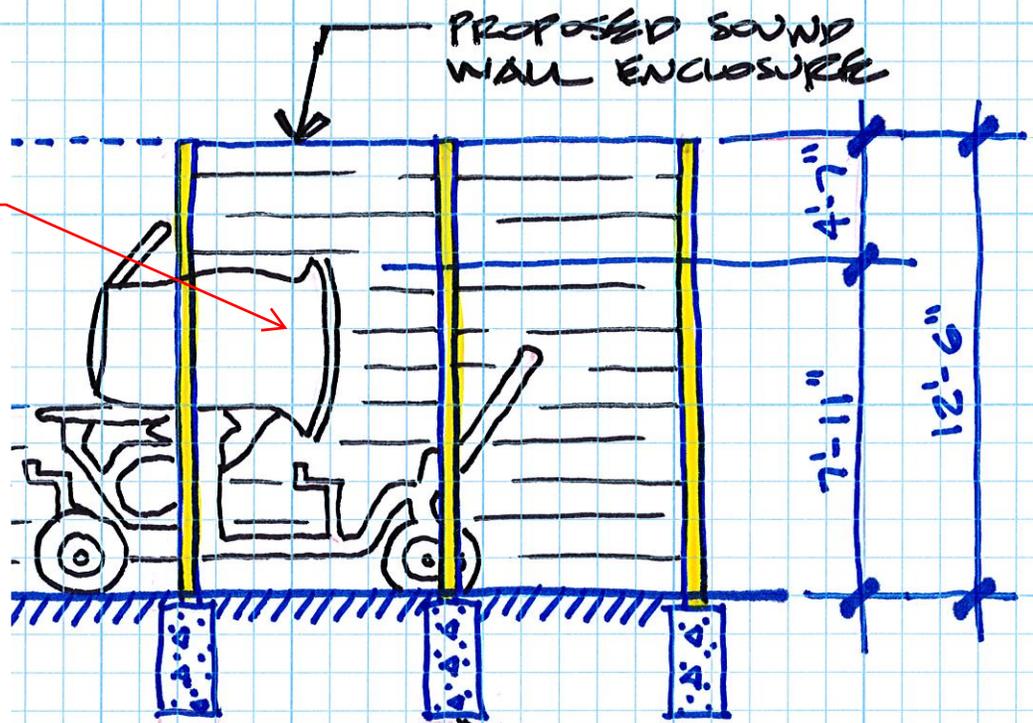
In actual, the
 evaporator will be
 pulled all the way back
 to the rear wall.

FLOOR PLAN



EAST-FRONT ELEVATION

In actual, the evaporator will be pulled all the way back to the rear wall.

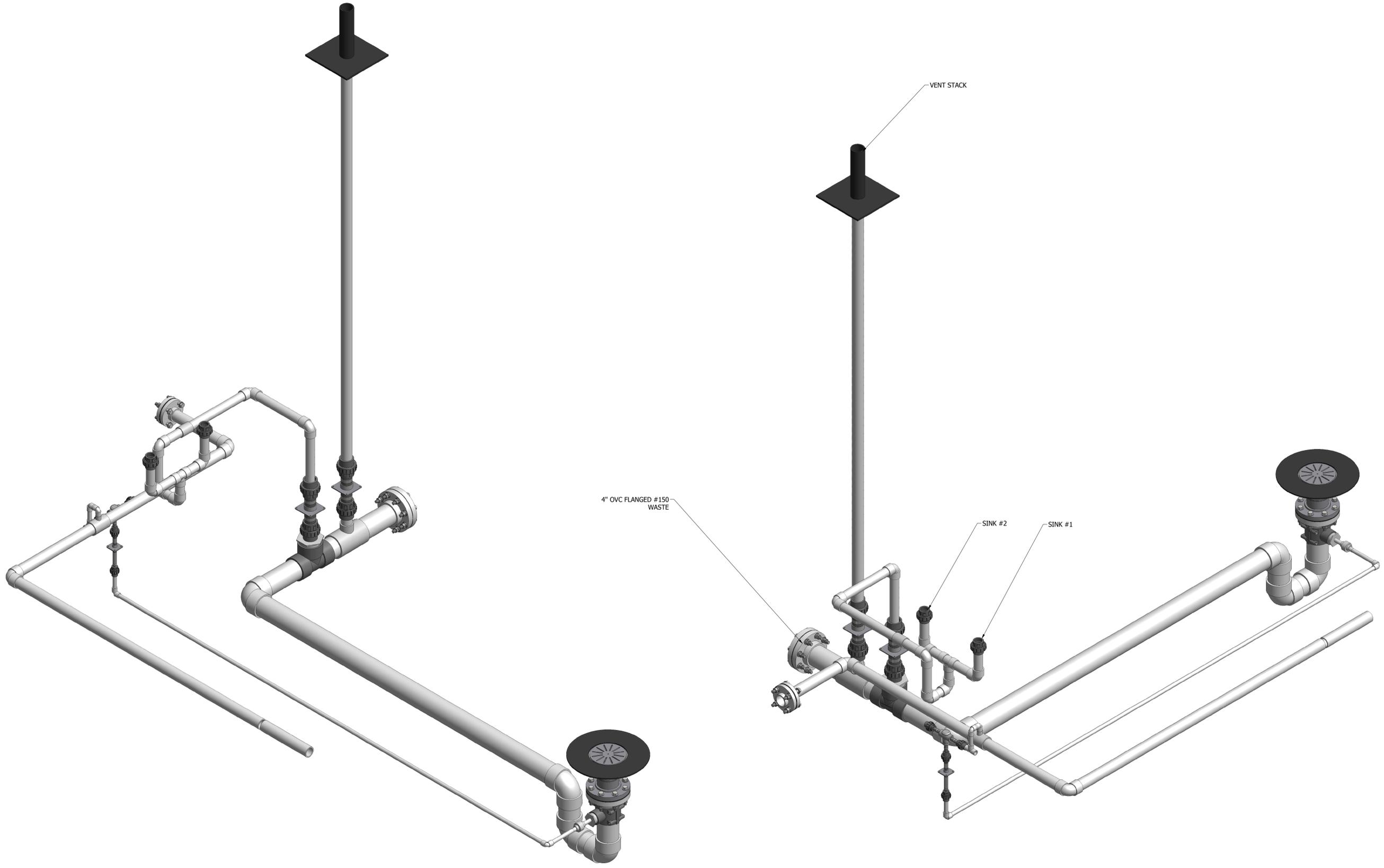


NORTH-SIDE ELEVATION

13-Control Room Arrangement-HH-060914-V001

ISO TOP VIEW

ISO TOP VIEW



4" OVC FLANGED #150 WASTE

VENT STACK

SINK #2

SINK #1

<p>h2o innovation</p>		<p>SPENCERVILLE PRELIMINARY LAYOUT OPERATION BLDG</p>		<p>PROJECT: PRELIMINARY LAYOUT DATE: 2012-10-05 DRAWN BY: M.S. CHECKED BY: M.S.</p>		<p>12069-D06-0008-01,04 02</p>												
<p>NOTES: 1. All dimensions are in feet and inches unless otherwise noted. 2. All materials are to be standard unless otherwise noted. 3. All piping is to be installed in accordance with the manufacturer's instructions. 4. All piping is to be installed in accordance with the applicable code requirements. 5. All piping is to be installed in accordance with the applicable code requirements. 6. All piping is to be installed in accordance with the applicable code requirements. 7. All piping is to be installed in accordance with the applicable code requirements. 8. All piping is to be installed in accordance with the applicable code requirements. 9. All piping is to be installed in accordance with the applicable code requirements. 10. All piping is to be installed in accordance with the applicable code requirements.</p>		<p>DRAWING REVISION</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION DESCRIPTION</th> <th>BY</th> <th>CHKD</th> <th>APPD</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	REVISION DESCRIPTION	BY	CHKD	APPD							<p>1 2 3 4 5 6 7 8</p>		<p>A B C D E F</p>
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