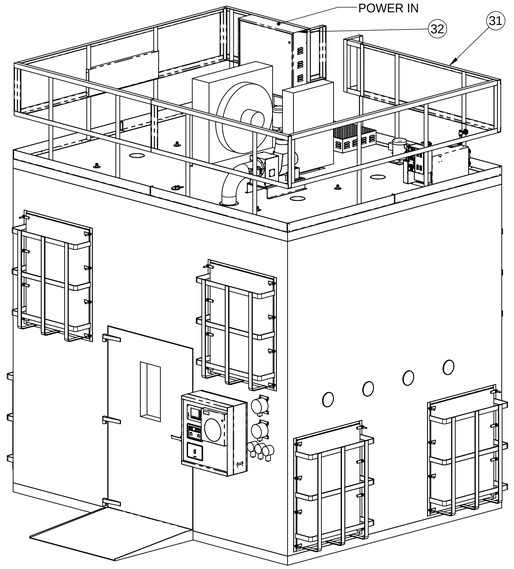
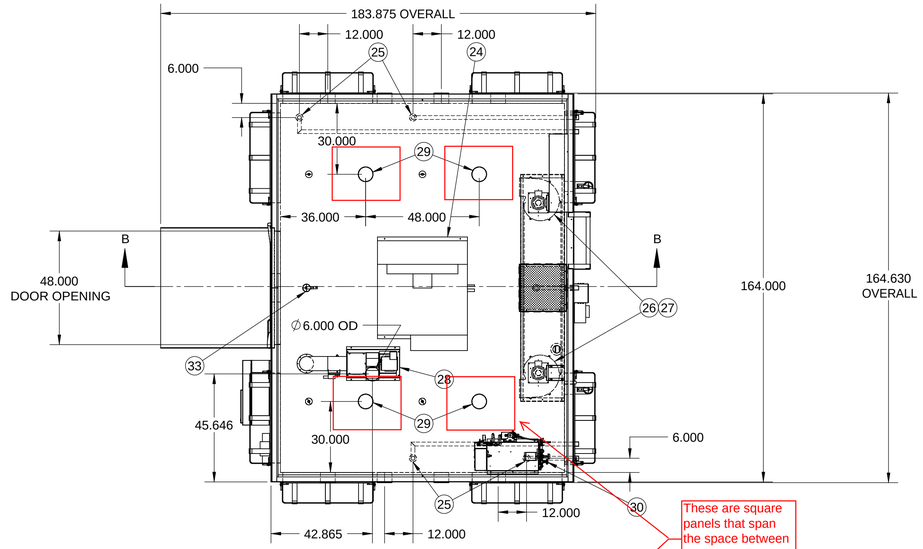
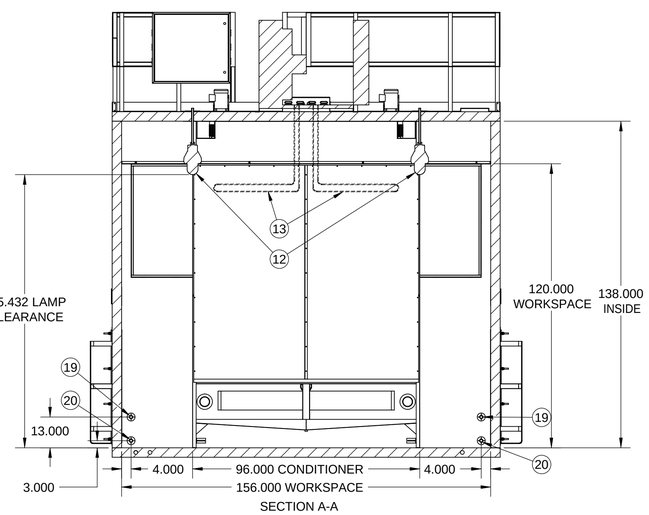




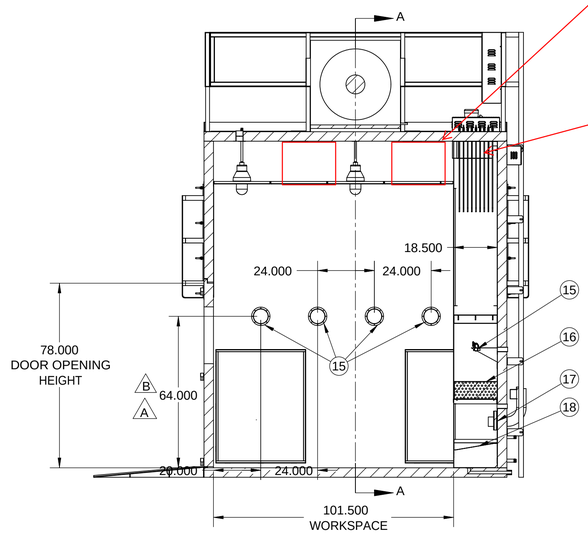
These are square panels that span the space between the drop celing and the top of chamber

This is a blower. The panels act as "sheilds" to prevent wind from entering the exhaust flue of the water heater. We are trying to reduce any drafts near the product under test.
The panels can take the place of the ceiling tile. A screw together design would be nice so we can remove/install for maintenance.

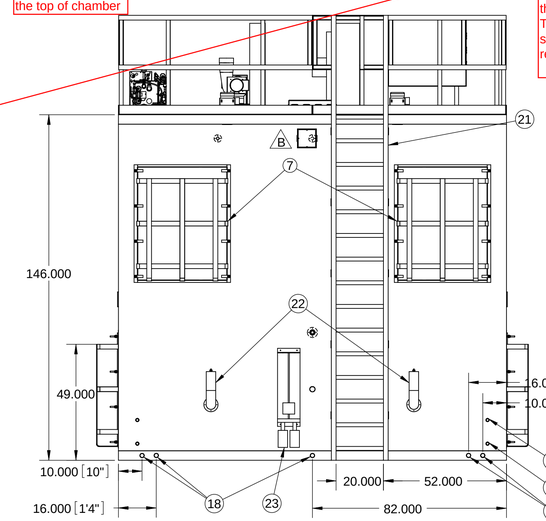
ITEM	QTY	DESCRIPTION
1	1	VERSATENN V CONTROL
2	1	TEMPGARD IV TEMPERATURE PROTECTION CONTROL
3	1	LIGHT SWITCH PANEL
4	1	CONTROL BOX
5	1	RECORDER HONEYWELL 2-PEN DR4300
6	1	WINDOW 12" X 24"
7	8	PRESSURE RELIEF PANEL
8	1	MSA SAMPLING PUMP
9	1	MSA GAS MONITOR
10	1	MSA CO SENSOR
11	1	MSA OXYGEN SENSOR
12	4	EXPLOSION PROOF INCADESCENT LIGHT
13	18	SHEATHED HEATERS 26.2KW TOTAL
14	8	6" NOMINAL CUSTOMER WALL PORTS, (4 IN EACH SIDE WALL)
15	1	HUMIDITY HEADER
16	1	COOLING COIL
17	1	CONDITIONER DRAIN PAN
18	5	DRAIN OUTLET 1-1/2" OD SCHEDULE 40 PVC STUB
19	2	PROPANE THRU WALL NIPPLE 1"MPT
20	2	NATURAL GAS THRU WALL NIPPLE 1"MPT
21	1	LADDER
22	2	MAKE UP AIR INTAKE
23	1	AIR DRYER
24	1	5HP CONDENSING UNIT
25	5	FLOOR DRAINS CAPABLE OF DRAINING 10 GPM
26	2	AIR BLOWERS
27	2	CONDITIONER MOTORS
28	1	POWERED EXHAUST 300 CFM
29	4	6" NOMINAL PORT FOR CUSTOMER PRODUCT FLUE
30	1	30 KW STEAM BOILER
31	1	PERIMETER RAILING 42" TALL
32	1	POWER BOX
33	1	HUMIDITY/DRYAIR VENT
34	1	MSA COMBUSTIBLE GAS SENSOR

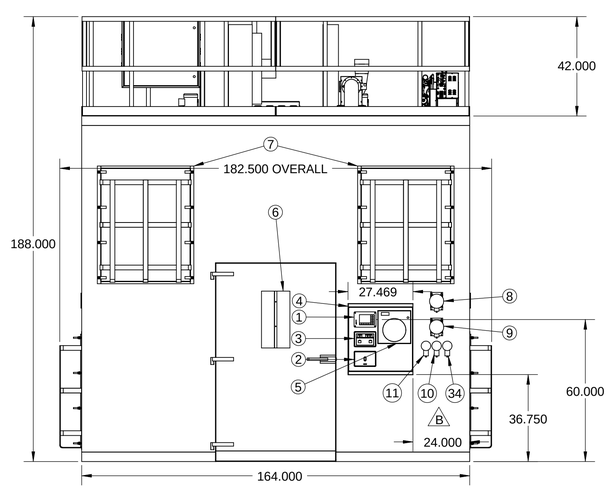


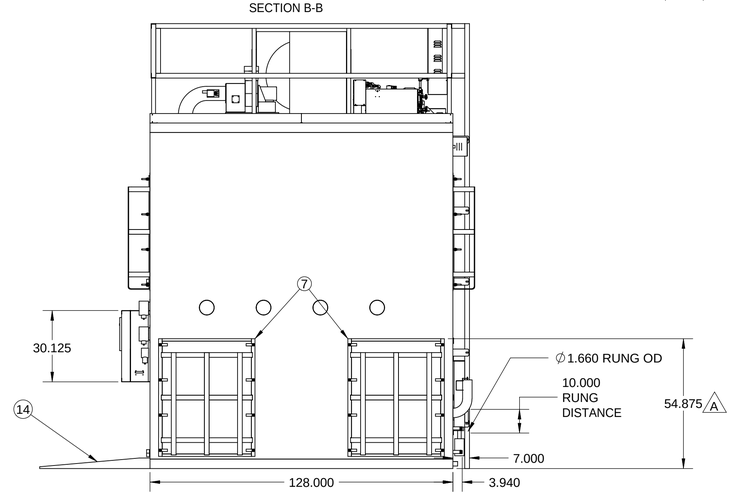
SECTION A-A



SECTION B-B







:

CTION:

EILING: 22 GAGE STAINLESS STEEL

SHED STAINLESS STEAL DESIGNED FOR 5000

EXTERIOR: 26 GA. PAINTED WHITE EMBOSSED GALVANIZED STEEL

WALLS: INSULATED WITH FOAMED-IN-PLACE NON-CFC U.L. CLASS 1 URETHANE FOAM

OPERATING PERAMETERS:

TEMPERATURE RANGE: 32˚F TO 185˚F

TEMPERATURE CONTROL TOLERANCE: ±1˚F AT STABALIZATION MEASURED AT AIR INLET TO THE WORKSPACE

HUMIDITY RANGE: 20% TO 95% RH OVER TEMPERATURE RANGE OF +68˚F TO +185˚F, LIMITED BY A +4˚C DEW POINT (NO LIVE LOAD DURING RH TESTING)

NOTE: WITH A FRESH AIR INTAKE, THE CONDITIONS ARE LIMITED TO 120˚F AND 95%RH.

HUMIDITY CONTROL TOLERANCE: ±3% RH AT STABALIZATION MEASURED AT THE AIR INLET TO THE CHAMBER

AMBIENT SURROUNDING CHAMBER: 45˚F TO 95˚F MAX, 60%RH CUSTOMER APPLICATION: STABILITY TESTING

TEMP TRANSITION: THE CHAMBER WILL BE CAPABLE OF CYCLING FROM 120˚F TO 40˚F, AND 40˚F TO 120˚F WITH FOUR 50 GALLON HPWH,S FILLED WITH WATER. THE CYCLE TIME WILL BE APPROXIMATLY 2.5 HOURS.

AIR VELOCITY: MAXIMUM 50FPM, MEASURED VERTICALLY 40" FROM CHAMBER FLOOR

GRADIENT: ±4˚F MAXIMUM (WITH NO LIVE LOAD NOR RH RUNNING) MEASURED 12" FROM WALL IN AN EMPTY CHAMBER. 9 TEST POINTS MEASURING 80% OF THE WORK SPACE VOLUME WILL BE USED. THIS WILL BE VERIFIED AND DOCUMENTED AT 40˚F AND 120˚F

UTILITIES:

ELECTRICAL: 460VOLT, 3PHASE, 60HERTZ, 96 FLA FUSE AT 120A

HUMIDIFIER WATER: 4.2 GPH, 60PSIG MAX, 3/8"FPT CONNECTION

COMPRESSED AIR: 25 SCFM, 100PSIG MIN. 150PSIG MAX. 1/2"FPT CONNECTION

REV.	DESCRIPTION	DATE	BY
B	MOVED SIDE PORTS UP AN ADDITIONAL 10" PER CUSTOMER REQUEST, UPDATED ELEC EQUIPMENT	9/21/2010	TLZ
A	MOVED SIDE BLOWOUT PANELS BELOW PORTS AND MOVED PORTS UP 6", PER CUSTOMER REQUST	9/21/2010	TLZ

TOLERANCE: +/-.25"

NOTICE:
THIS DRAWING IS THE PROPERTY OF THERMAL PRODUCT SOLUTIONS AND IS LOANED SUBJECT TO THE CONDITION THAT IT SHALL NOT BE REPRODUCED, COPIED, LOANED, OR SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT.

TPS
Thermal Product Solutions
GRUENBER● LUNAIRE● TENNEY● BLUE M ●LINDBERG
P.O. BOX 150, WHITE DEER, PA 17887-0150

CUSTOMER	GE CONSUMER & INDUSTRIAL		
P.O. NO. 3064838		SCALE 1:32	SHEET B 1
QUOTE NO. 8921		DWG NO 001	
DATE 9/14/10	TITLE GENERAL ARRANGEMENT		
DESIGNER TLZ	MODEL WITR32185-INS	JOB NO 72482	