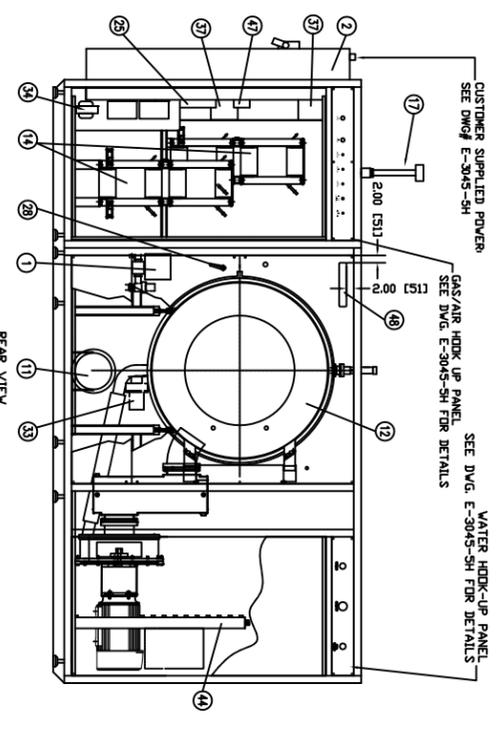
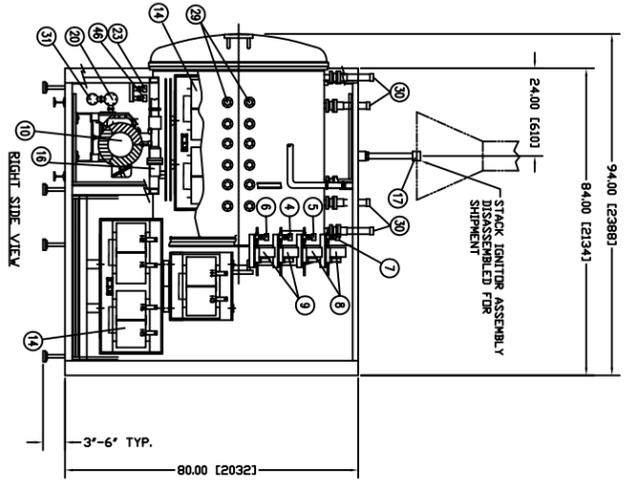
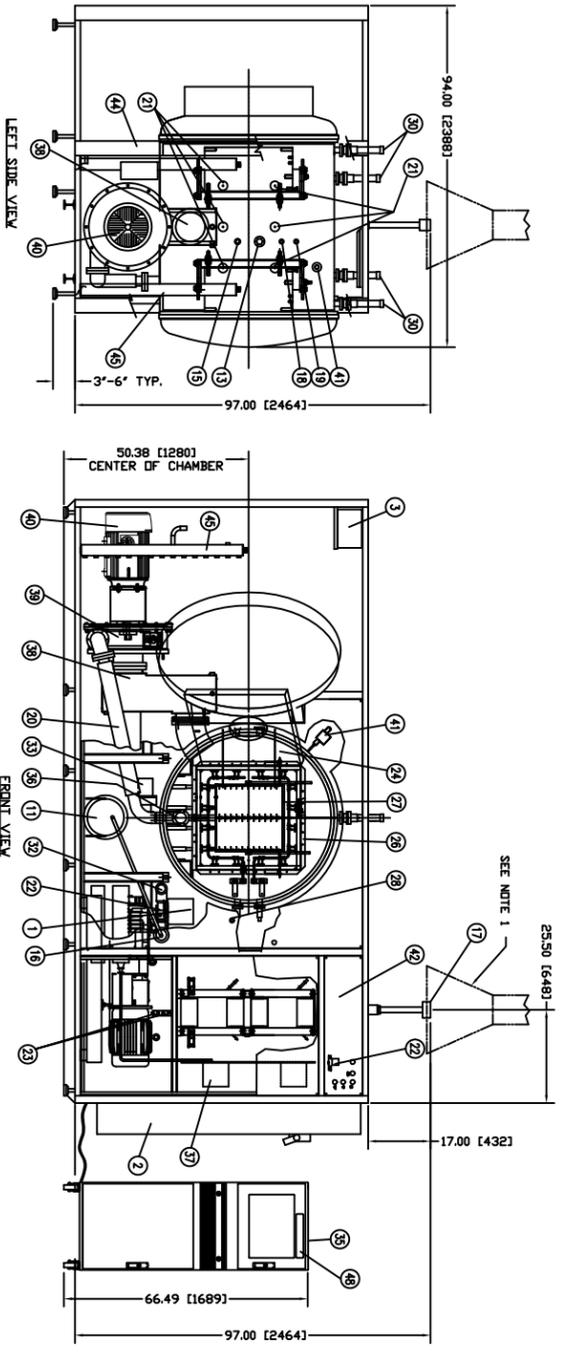
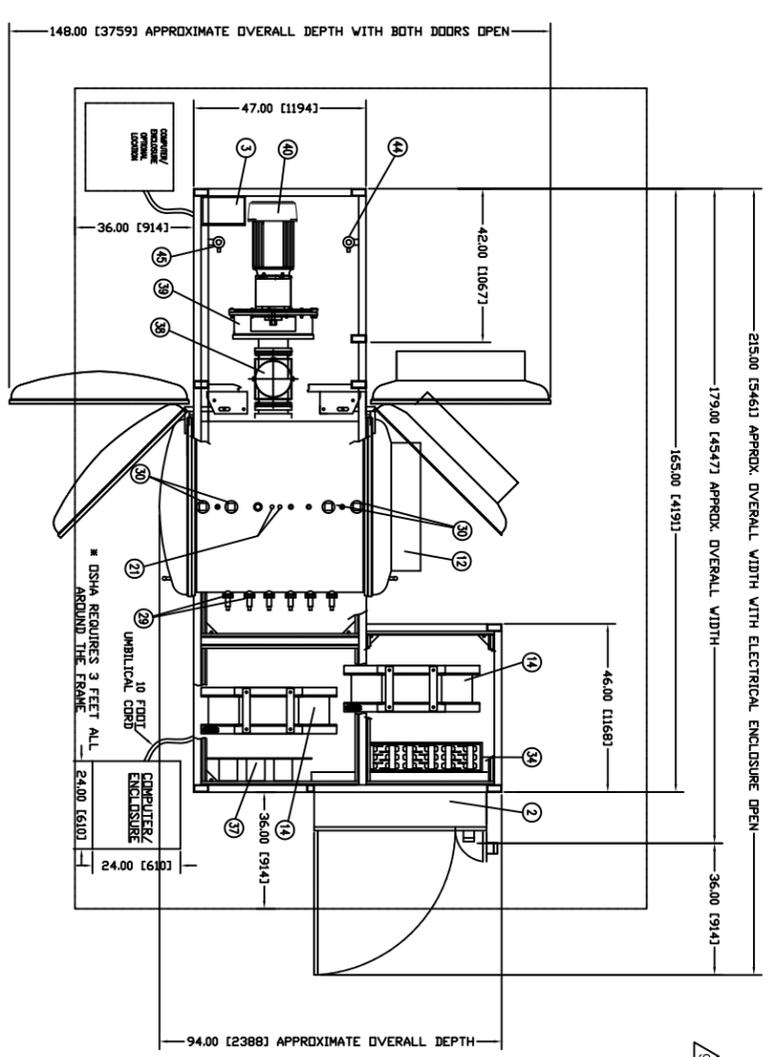


- NOTES:**
- 1) SUGGESTED LOCATION FOR EXHAUST HOOD. FOR DETAILS SEE DRAWING 15E-1001. APPROXIMATE EXHAUST CAPACITY IS 250 CFM.
 - 2) FINISH:
 - A) DOOR PANELS ARE COATED WITH INNOVATIVE POWDER ELNIK BLUE TEXTURE NO. BL079020P5.
 - B) FRONT & REAR ALUMINUM PANELS ARE BLACK ANODIZED.
 - C) FRAME IS COATED WITH TIGER DRYLAC BLACK FINE TEXTURE NO. 39/80200.



ITEM	QTY	DESCRIPTION
1	1	THROTTLE VALVE
2	1	ELECTRICAL ENCLOSURE
3	1	UPS (UNINTERRUPTED POWER SUPPLY)
4	1	N2 RETORT VALVE
5	1	H2 RETORT VALVE
6	1	N2 HOT ZONE VALVE
7	1	H2 HOT ZONE VALVE
8	2	MASS FLOW CONTROLLER--HYDROGEN
9	2	MASS FLOW CONTROLLER--NITROGEN
10	1	DRY VACUUM PUMP
11	1	DEBENDER TRAP, ELNIK
12	1	BLAST PORT
13	1	2-3/4" RGA PORT
14	2	POWER TRANSFORMER
15	1	LEAK DETECTOR PORT
16	1	DEBENDER VALVE
17	1	STACK IGNITOR
18	1	CAPACITANCE MANOMETER#1
19	1	CAPACITANCE MANOMETER#2
20	1	MUFFLER
21	8	FEEDTHRU FOR TYPE C THERMOCOUPLE, TITENOL
22	1	EXCESS TEMPERATURE CONTROLLER
23	1	FLOW CONTROL VALVE
24	2	HOT ZONE DOOR
25	1	SOLENOID VALVE BLOCK
26	1	HOT ZONE, ELNIK
27	1	T2M MOLY RETORT, ELNIK
28	2	PNEUMATIC SAFETY LOCKING MECH.
29	24	ELECTRICAL FEEDTHRU
30	4	SHUTTER ACTUATOR
31	1	MUFFLER TRAP
32	1	VACUUM VALVE
33	1	TRAP ISOLATION VALVE
34	1	FILTER/CHOKE
35	1	COMPUTER/ENCLOSURE
36	1	GAS MANIFOLD
37	6	SCRS
38	1	HEAT EXCHANGER, ELNIK
39	1	3000 CFM BLOWER, ELNIK
40	1	ELECTRICAL MOTOR
41	1	DIFFERENTIAL PRESSURE SWITCH
42	1	ELECTRICAL PANEL
43	2	SURETY THERMOCOUPLE PORT
44	1	WATER RETURN MANIFOLD
45	1	WATER SUPPLY MANIFOLD
46	1	1/4" TRAP N2 PURGE PNEUMATIC
47	4	PRESSURE SWITCH
48	2	LABEL - NAMEPLATE

ELNIK SYSTEMS
 107 COMMERCE ROAD, CEDAR GROVE, NJ 07009
 TELEPHONE: (973) 298-6066

HIGH TEMPERATURE VACUUM FURNACE
 MODEL MM-3045T-50-HXB
 GENERAL LAYOUT

CUSTOMER: **STANDARD**
 SERIAL No. _____

9	REVISED PER ECN #1255	GJS	6/11/09
8	REVISED PER ECN #1210	JC	4/12/09
7	ADDED TRANSLATION LAYERS	GJS	07/23/08
NO.	REVISION	BY	DATE:

UNAUTHORIZED USE, MANUFACTURE OR REPRODUCTION IN WHOLE OR IN PART IS PROHIBITED. DRAWING DESIGNS AND OTHER DISCLOSURES PROPERTY OF ELNIK SYSTEMS.

SCALE: NONE
 CATEGORY: FURNACE ASSY
 TOLERANCE IN INCHES:
 .002
 .005
 .010
 .015
 .030
 .050

DWN BY: GJS DATE: 07/23/08 SH: 1 DWG. NO. E-3045-S-STD
 CND BY: DATE: OF 1

DATE: 07/23/08
 TIME: 10:00 AM