

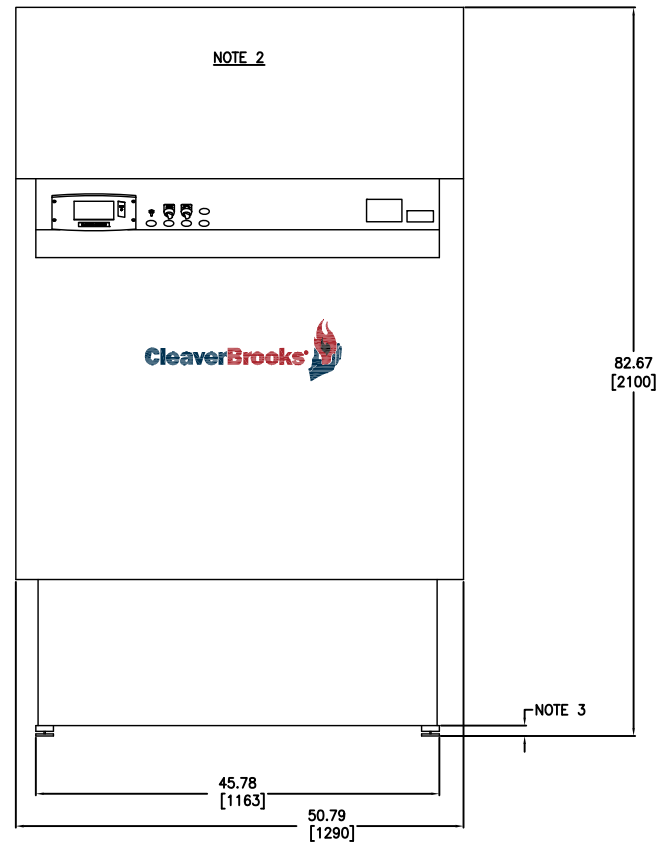
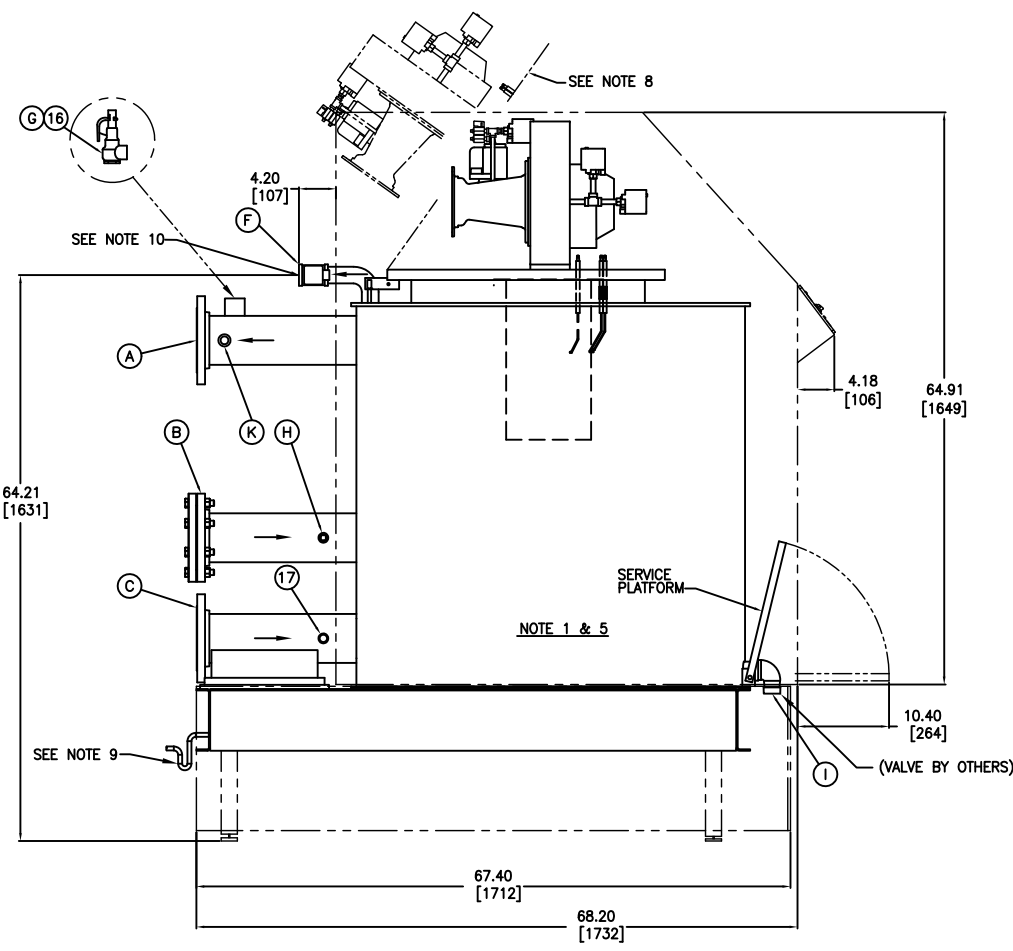
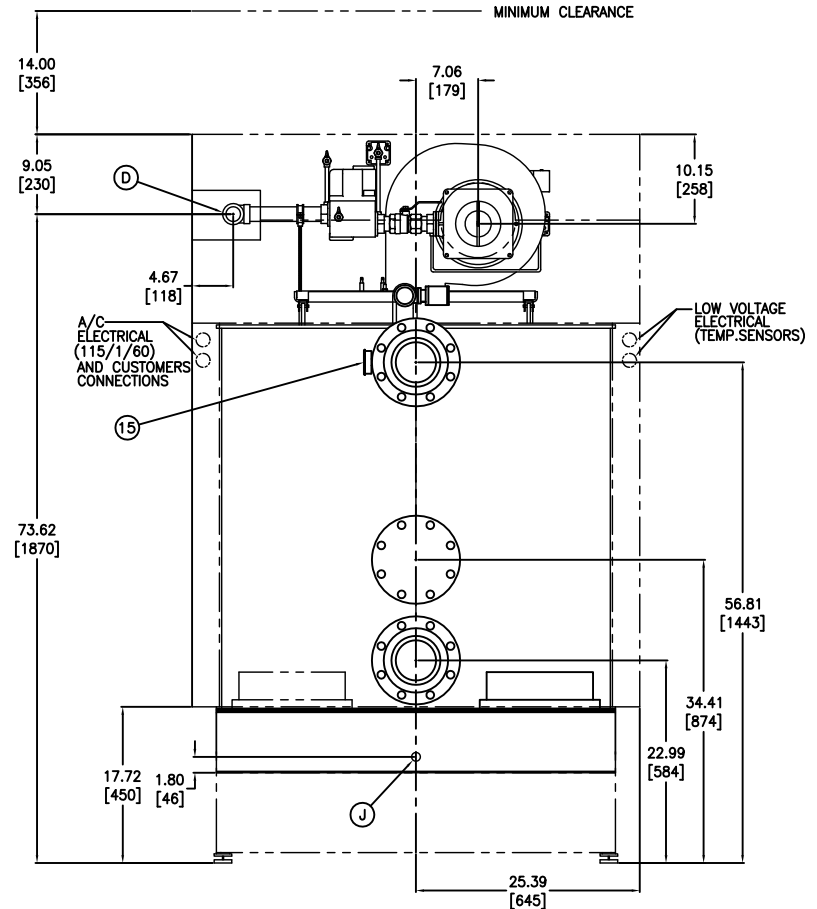
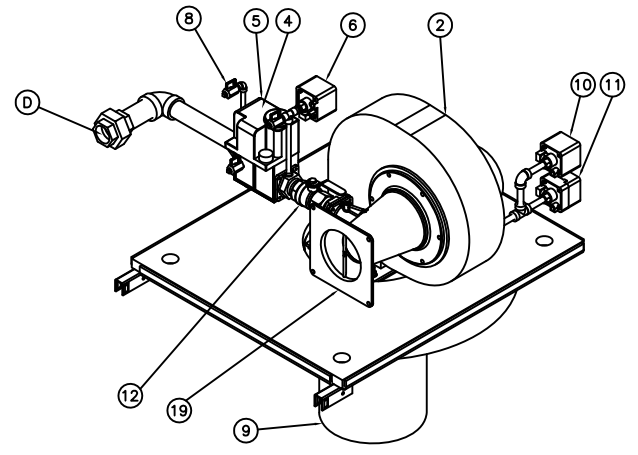
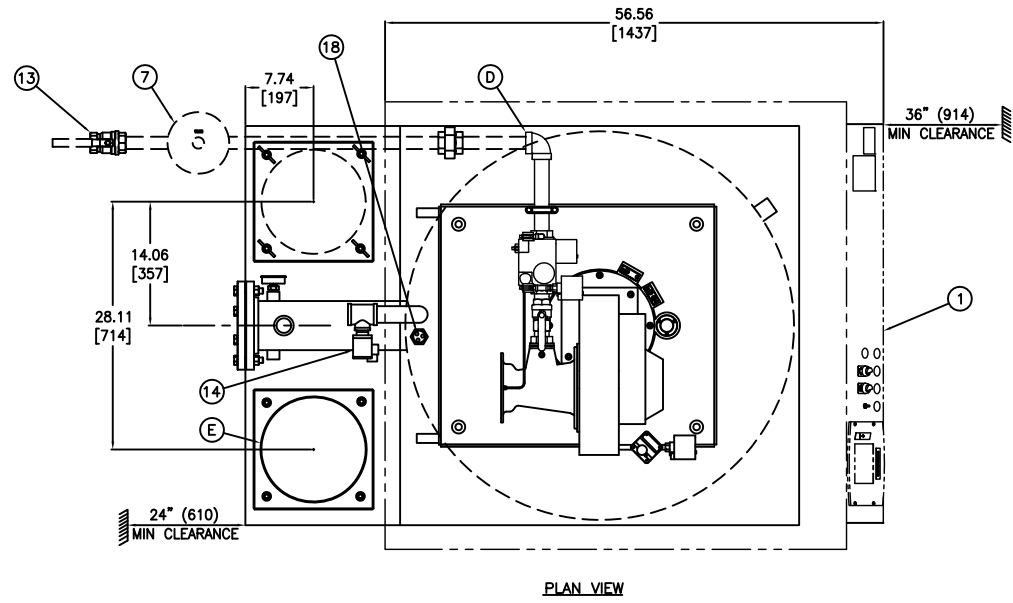
ITEM	MAJOR COMPONENTS
1	CONTROL PANEL W/FALCON (120/1/60)
2	BLOWER MOTOR, 115V 50/60HZ
3	1 1/2" GAS TRAIN PIPING
4	VALVE, GAS 120VAC 1 1/4" NPT.
5	LOW GAS PRESSURE SWITCH
6	HIGH GAS PRESSURE SWITCH
7	GAS PRESSURE REGULATOR, #RV81, 1 1/2", 1 PSI MAX PRES. (SHIPPED LOOSE)
8	LEAKAGE TEST COCK (3)
9	BURNER CAN UNIT
10	HIGH AIR PROVING SWITCH
11	COMBUSTION AIR PROVING SWITCH
12	1 1/4" BALL VALVE
13	1 1/2" BALL VALVE (SHIPPED LOOSE)
14	PROBE HOLDER
15	TRIDICATOR, TEMP./PRESSURE GAUGE
16	RELIEF VALVE, 3/4" NPT. INLET, (SET AT 125 PSI) (SHIPPED LOOSE)
17	TEMPERATURE THERMAL WELL
18	HW SUPPLY TEMPERATURE/HIGH LIMIT CONTROL SENSOR
19	MIXING VENTURI

ITEM	CUSTOMER CONNECTIONS
A	5" 150# R.F.FLG. HW SUPPLY SIZE
B	5" 150# R.F.FLG. HIGH TEMP. RETURN SIZE
C	5" 150# R.F.FLG. LOW TEMP. RETURN SIZE
D	1 1/2" NPT. GAS SUPPLY LINE
E	12" O.D. STACK OUTLET
F	1 1/2" NPT. VENT SIZE
G	1" NPT. RELIEF VALVE OUTLET
H	1/2" NPT. (PLUGGED)
I	1 1/2" NPT. DRAIN (PLUGGED)
J	1" FPT. CONDENSATE DRAIN
K	3/4" NPT. (PLUGGED)

SHIPPING DATA	
BOILER HEIGHT: 82.67" (2100 MM)	
BOILER WIDTH: 50.97" (1290 MM)	
BOILER DEPTH: 75.77" (1925 MM)	
BOILER WEIGHT: 3700 LBS.	

BOILER DATA	
FUEL: NATURAL GAS	
INPUT: 2500 MBH	
OUTPUT: 2300 MBH (92% EFF. NOMINAL)	
MAX. OPERATING TEMPERATURE: 194°F (90°C)	
MINIMUM GAS PRESSURE REQUIRED: 10" W.C.	
MAXIMUM GAS PRESSURE REQUIRED: 28" W.C.	
VOLTAGE: 115/1/60	
HAPS SETTING: 5.25 W.C.	
BOILER WATER VOLUME: NORMAL @ 126 GAL. (477 LITERS)	

- NOTES:**
1. BOILER IS DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE ASME BOILER AND PRESSURE VESSEL CODE SECTION IV. WITH "H" STAMP FOR 125# MAWP.
 2. PACKAGED BOILER CERTIFIED FOR cULus LABELED.
 3. ASME CSD-1 COMPLIANT.
 4. UNIT IS FACTORY FIRE TESTED.
 5. BURNER IS FULLY MODULATING WITH 5:1 TURNDOWN.
 6. ALL NORMALLY UNUSED FITTINGS ARE CAPPED OR PLUGGED.
 7. BOILER LEGS ALLOW FOR ADJUSTMENT OF 2.5"
 8. DUE TO UPSWING OF BURNER FOR SERVICE, DO NOT PIPE ACROSS TOP OF BOILER.
 9. BOILER TO BE FIELD PIPED WITH A 6" MINIMUM CONDENSATE DRAIN TRAP.
 10. PIPE AIR VENT TO EXPANSION TANK OR USE AUTO AIR VENT TUBE.



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REVISIONS

CAUTION

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WARNING:

Changes, modifications or alterations are strictly prohibited.

Changes to this drawing and subsequent modification of equipment could result in damage to the equipment and/or serious personal injury.

DD2500CFC	SCALE	N.T.S.
SIZE	DATE	04/21/10
D	DRAWN	CP
	CHECKED BY	BH
DIMENSION DIAGRAM		
SHT 01 OF 01		

CleaverBrooks			
CFC	700	2500	125HW
MODEL	FUEL	SIZE	PRESSURE
115	NATURAL GAS	60	2
VOLTS	PHASE	INCHES	WEIGHT
DRWG. NO. DD2500CFC			

L
D
C
B
A