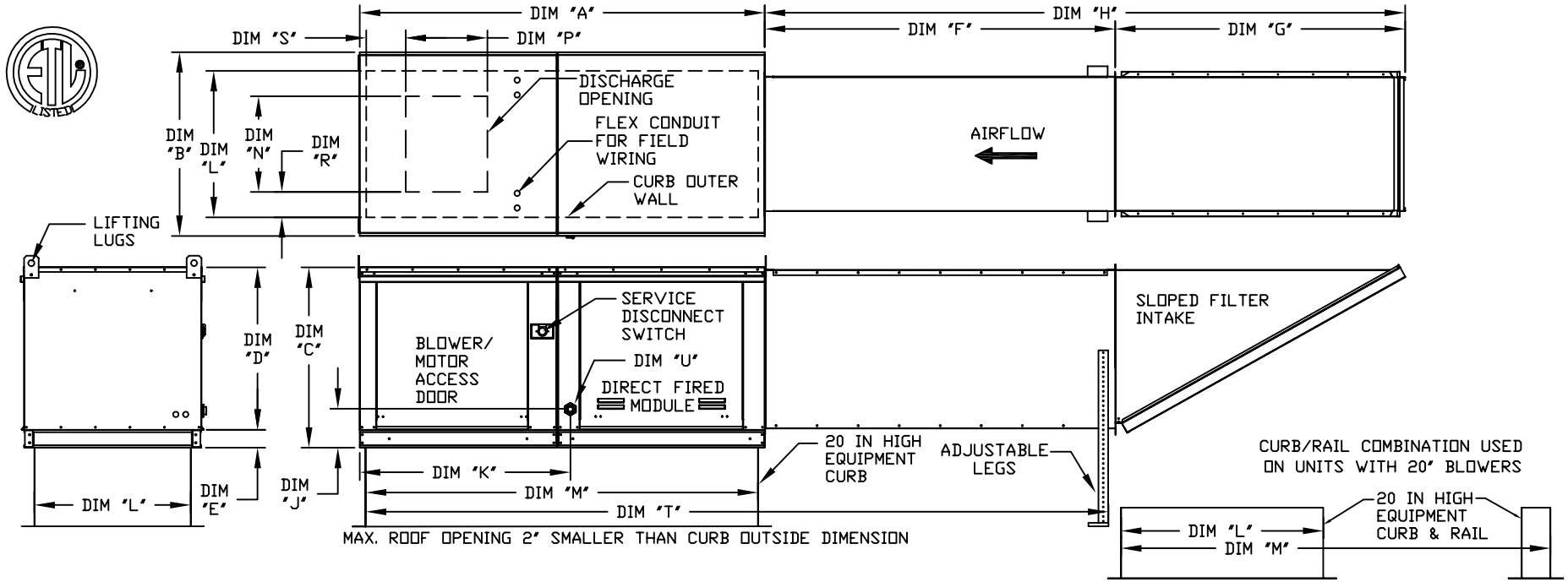
MODULAR OUTDOOR DOWN DISCHARGE DIRECT FIRED HEATER WITH TRONKLINE INTAKE HOOD

REV.#5 05/04/2015



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

		UNIT DIMENSIONS										CURB		DISCHARGE OPENING				
MODEL	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T
D.250-G10	690 LBS	74-3/8	27-3/8	29-3/4	26-1/16	3-3/4	46	44-3/8	90-3/8	7-13/16	34-13/16	21	71	13-1/4	11-1/2	3-7/8	5-9/16	117
D.500-G10	695 LBS	74-3/8	27-3/8	29-3/4	26-1/16	3-3/4	46	44-3/8	90-3/8	7-13/16	34-13/16	21	71	13-1/4	11-1/2	3-7/8	5-9/16	117
D.250-G15	960 LBS	82-3/8	37-3/8	36-3/4	33-1/16	3-3/4	38	53-5/8	91-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16	117
D.500-G15	965 LBS	82-3/8	37-3/8	36-3/4	33-1/16	3-3/4	38	53-5/8	91-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16	117
D.750-G15	970 LBS	82-3/8	37-3/8	36-3/4	33-1/16	3-3/4	38	53-5/8	91-5/8	7-13/16	42-13/16	31	79	18-3/4	16	6-1/8	8-5/16	117
D.500-G18	1120 LBS	87-3/8	41-3/8	43-3/8	38-1/16	5-1/4	33	51-5/8	84-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16	117
D.750-G18	1125 LBS	87-3/8	41-3/8	43-3/8	38-1/16	5-1/4	33	51-5/8	84-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16	117
D.1000-G18	1130 LBS	87-3/8	41-3/8	43-3/8	38-1/16	5-1/4	33	51-5/8	84-5/8	9-1/2	47-13/16	35	84	22	19	6-1/2	10-5/16	117
D.1000-920	1945 LBS	118-1/2	48-7/16	51-3/8	46-1/8	5-1/4	50	76-3/8	126-3/8	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8	165-1/8
D.1500-920	1960 LBS	118-1/2	48-7/16	51-3/8	46-1/8	5-1/4	50	76-3/8	126-3/8	13-9/16	66-5/16	42	115-3/16	24-7/8	24-7/8	8-9/16	10-5/8	165-1/8

UNIT INFORMATION.

	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION	FILTER SIZE & QTY
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"U" (NPT)	
D.250-G10	6"	18	275	7" WC	14" WC	3/4	16"x20"x2" (3)
D.500-G10	12"	18	550	7" WC	14" WC	3/4	16"x20"x2" (3)
D.250-G15	6"	18	275	7" WC	14" WC	1	20"x25"x2" (3)
D.500-G15	12"	18	550	7" WC	14" WC	1	20"x25"x2" (3)
D.750-G15	18"	27.5	825	7" WC	14" WC	1	20"x25"x2" (3)
D.500-G18	12"	18	550	7" WC	14" WC	1	16"x20"x2" (6)
D.750-G18	18"	27.5	825	7" WC	14" WC	1	16"x20"x2" (6)
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1	16"x20"x2" (6)
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4	16"x20"x2" (10)
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4	16"x20"x2" (10)

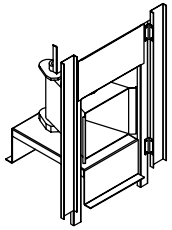
Direct Fired Profile Plate Specifications:

Description:
Direct fired burners shall have patented (US Patent No: US6629523B2), self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 5ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Application:
Spring-loaded burner profile plates are engineered to automatically react to the momentum of a fresh air stream, without the need for any motors or actuators to mechanically adjust them. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.

Certifications:
All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined safety standards ANSI Z83.4 and CSA 3.7 (non-recirculating DF heaters) and ANSI Z83.18 (recirculating DF heaters).

General Construction:
-Profile plates shall be formed from G90 galvanized steel.
-Profile plates shall vary in size per unit.
-Profile plates shall be mounted along the same plane as the discharge of the burner.
-Design shall incorporate properly torqued, permanently mounted spring hinges.
-Spring hinges shall be made from plated steel.



Direct Fired (DF) Profile Plate Assembly