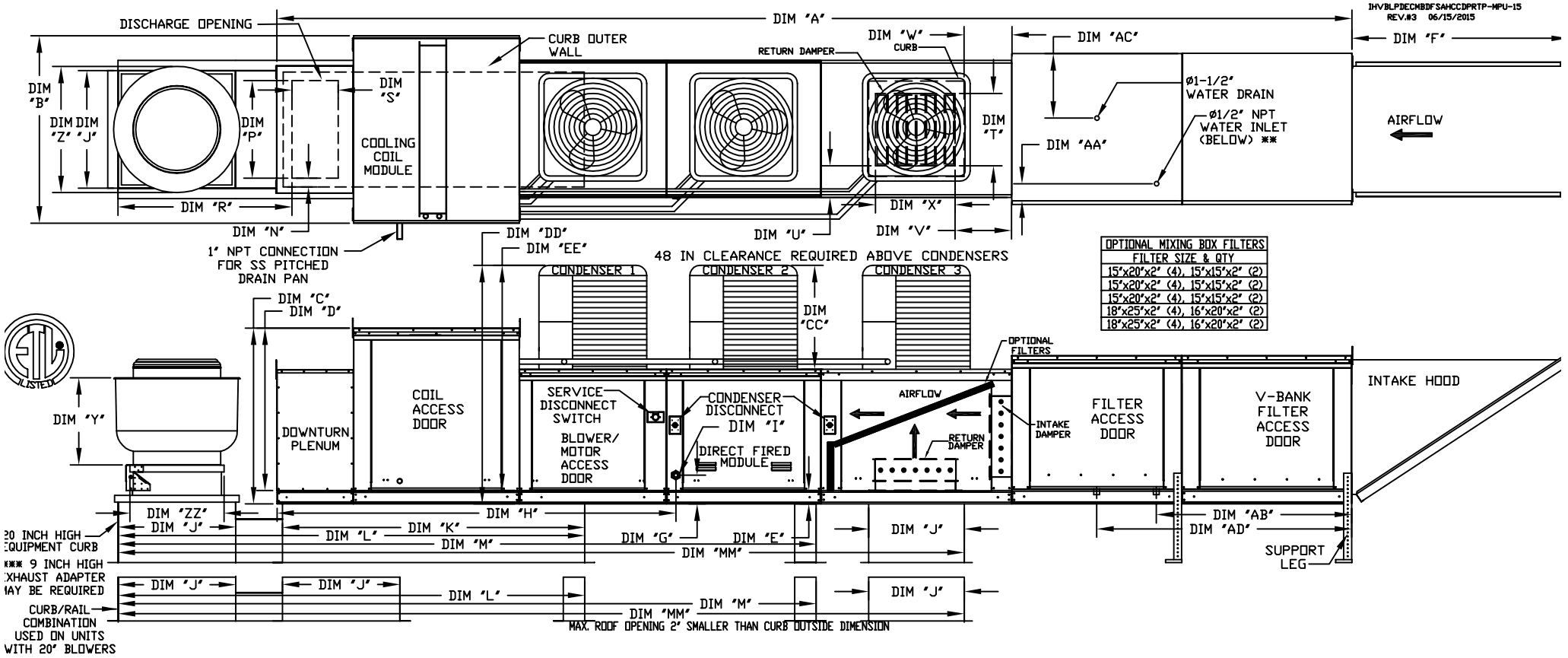
MODULAR OUTDOOR DOWN DISCHARGE DIRECT FIRED RECIRCULATING HEATER-ROOF TOP PACKAGE WITH COOLING, LPD EVAPORATIVE COOLER INTAKE, V-BANK AND INTAKE HOOD



OPTIONAL MIXING BOX FILTERS
FILTER SIZE & QTY
15"x20"x2" (4), 15"x15"x2" (2)
15"x20"x2" (4), 15"x15"x2" (2)
15"x20"x2" (4), 15"x15"x2" (2)
18"x25"x2" (4), 16"x20"x2" (2)
18"x25"x2" (4), 16"x20"x2" (2)

	UNIT DIMENSIONS								CURB/RAIL					DISCHARGE OPENING				RETURN DAMPER OPENING					WATER INLET		DRAIN OPENING	
MODEL	A	B	C	D	E	F	G	H	J	K	L	M	MM	N	P	R	S	T	U	V	W	X	AA	AB	AC	AD
D.500-G18	267	54-3/8	56-3/8	51-1/8	5-1/4	76-3/8	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30	4-1/2	41-1/8	23-1/2	52-7/8
D.750-G18	267	54-3/8	56-3/8	51-1/8	5-1/4	76-3/8	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30	4-1/2	41-1/8	23-1/2	52-7/8
D.1000-G18	267	54-3/8	56-3/8	51-1/8	5-1/4	76-3/8	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30	4-1/2	41-1/8	23-1/2	52-7/8
D.1000-920	328-1/4	60-7/16	64-3/8	59-1/8	5-1/4	71-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	303-7/8	5-1/4	31-1/2	56-13/16	23-1/2	33	10	11	8	36	4-1/2	41-1/8	28-7/8	52-7/8
D.1500-920	328-1/4	60-7/16	64-3/8	59-1/8	5-1/4	71-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	303-7/8	5-1/4	31-1/2	56-13/16	23-1/2	33	10	11	8	36	4-1/2	41-1/8	28-7/8	52-7/8

UNIT INFORMATION.

	BTU RANGE (MBH)			GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTERS
MODEL	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	"I" (NPT)	MIN	MAX	FILTER SIZE & QTY
D.500-G18	12"	18	550	7" WC	14" WC	1	15 Ton	15 Ton	16"x20"x2" (15)
D.750-G18	18"	27.5	825	7" WC	14" WC	1	15 Ton	15 Ton	16"x20"x2" (15)
D.1000-G18	24"	36.6	1100	7" WC	14" WC	1	15 Ton	15 Ton	16"x20"x2" (15)
D.1000-920	24"	36.6	1100	7" WC	5 PSI	1-1/4	15 Ton	15 Ton	20"x25"x2" (12)
D.1500-920	30"	45.8	1375	7" WC	5 PSI	1-1/4	15 Ton	15 Ton	20"x25"x2" (12)

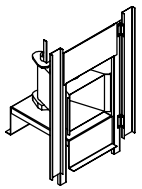
ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

CONDENSER INFORMATION							
MODEL	WEIGHT*	TONNAGE			CC	DD	EE
		#1	#2	#3			
15 TON-G18	591 LBS	5 TON	5 TON	5 TON	32-13/16	76-3/16	70-7/8
15 TON-920	591 LBS	5 TON	5 TON	5 TON	32-13/16	97-3/16	91-15/16

*410A REFRIGERANT

CELDEK EVAPORATIVE COOLING UNIT			
TOT. WEIGHT	MEDIA SIZE & QTY	NOZZLES	MAX. FLOW RATE
2550 LBS	38"x43"x12"	35	10.15 GPH
2555 LBS	38"x43"x12"	35	10.15 GPH
2560 LBS	38"x43"x12"	35	10.15 GPH
3755 LBS	45"x54"x12"	42	12.6 GPH
3770 LBS	45"x54"x12"	42	12.6 GPH

EXHAUST UNIT DIMENSIONS			
MODEL #	Y	Z	ZZ ***
DU12HFA	14-1/2	22	19
NCA8FA DU25HFA DU30HFA DU33HFA	18-1/2	27-1/4	21
NCA10FA DU50HFA	21-1/2	30-1/4	21
NCA14FA DU75HFA DU85HFA	23	33-3/4	24-3/4
NCA16FA	23-1/2	39-3/8	28
NCA18FA	29-1/2	38-7/8	28
NCA24FA	30-5/8	43-3/8	33
NCA30FA	33-1/2	52-3/4	40



Direct Fired (DF) Profile Plate Assembly

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.