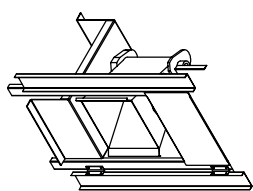
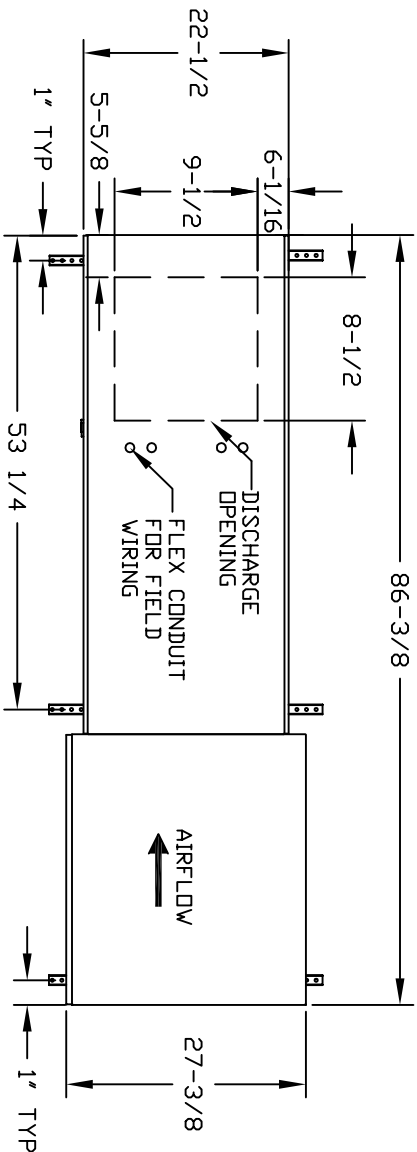
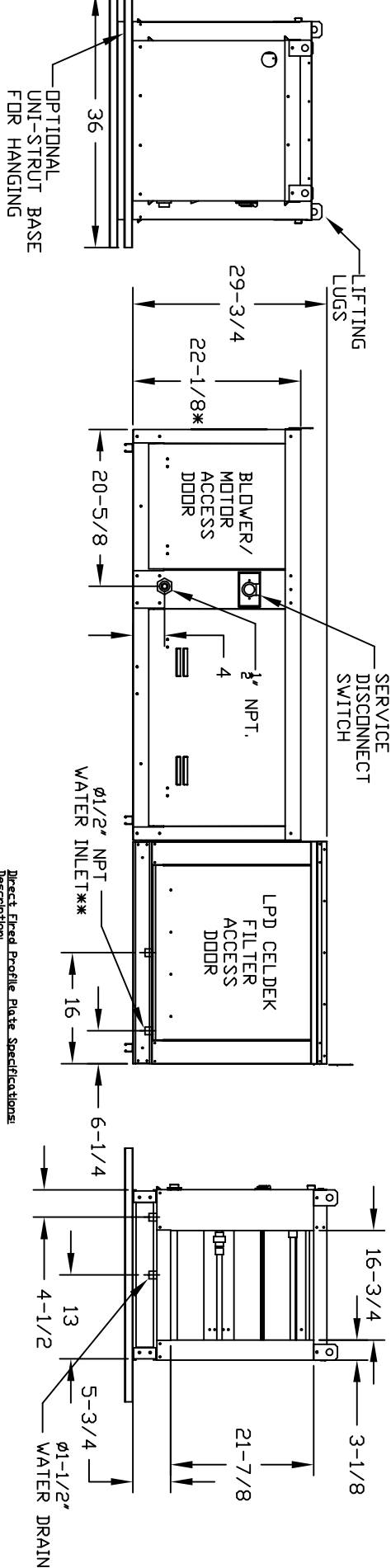


MODEL 76 INDOOR DOWN DISCHARGE DIRECT FIRED HEATER WITH LPD EVAPORATIVE COOLER



Direct Fired (DF) Profile Plate Assembly



UNIT INFORMATION

MODEL	WEIGHT	BURNER LENGTH	BTU LOW	BTU HIGH	GAS PRESSURE	CFM RANGE
76	440 Lbs	6'	18	225000	5" WC 14" WC	MIN 600 MAX 1600

CELDEK EVAPORATIVE COOLING UNIT			
MEDIA SIZE & QTY	VEL. @ MAX. CFM	NOZZLES	MAX. FLOW RATE
20"x24"x12"	480 FPM	12	3.9 GPH

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.
*** MAX EVAP WATER PRESSURE = 50 PSI @ 70 DEG F
*** MAX 2 INCHES TT THIS DIMENSION IF LISTING HIGH PROFILE I TH OPTION

Direct Fired Profile Plate Specifications:
Direct fired burners shall have patented (US Patent No. US659523B2), self-cleaning 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:
Specially designed burner profile plates are engineered to automatically react to the operation 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.
Certification:
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.