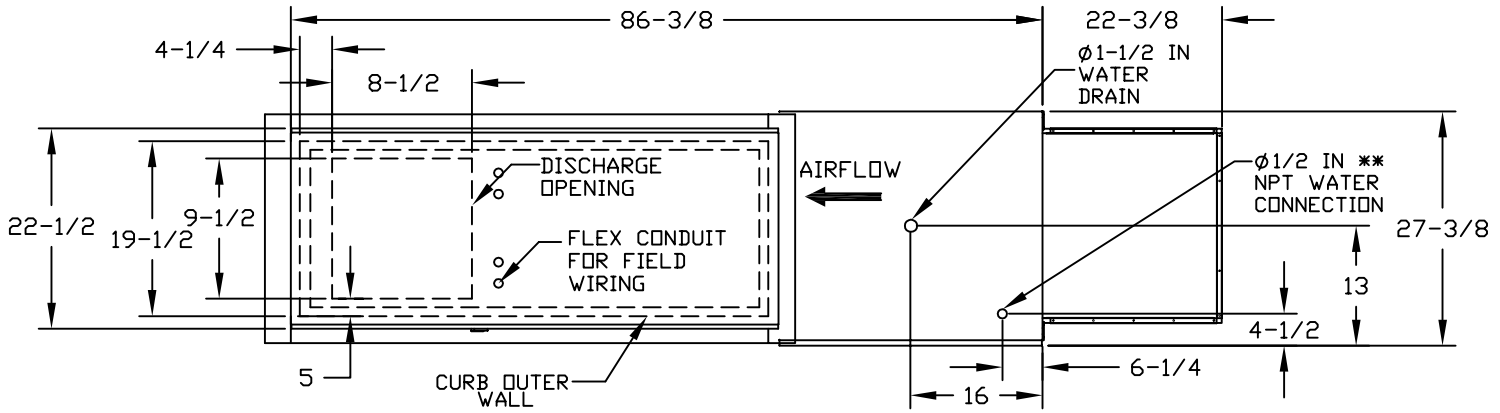
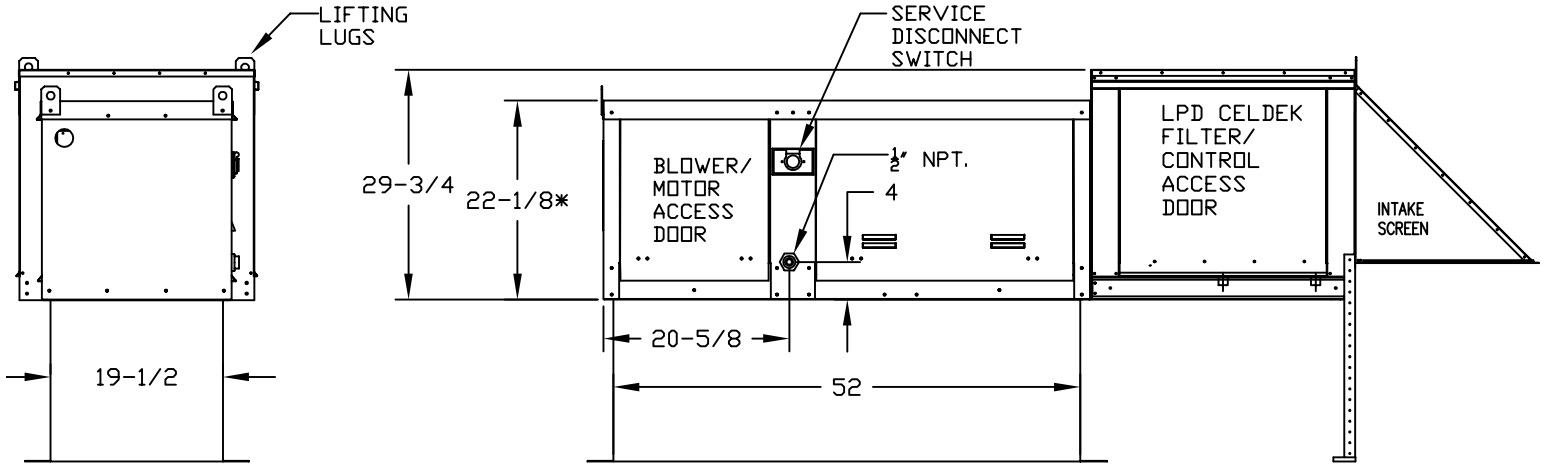
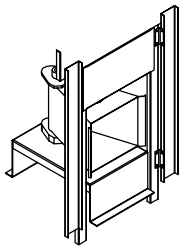
SILPDECD76DAH
REV.#5 07/28/2016

MODEL 76 OUTDOOR DOWN DISCHARGE DIRECT FIRED HEATER WITH LPD EVAPORATIVE COOLER AND SCREEN INTAKE







Direct Fired (DF) Profile Plate Assembly

UNIT INFORMATION.

		BTU RANGE (MBH)			GAS PRESSURE		CFM RANGE	
MODEL	WEIGHT	BURNER LENGTH	BTU LOW	BTU HIGH	MIN	MAX	MIN	MAX
76	465 Lbs	6'	18	225000	5" WC	14" WC	600	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. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

** MAX EVAP WATER PRESSURE = 50 PSI @ 70 DEG F

*ADD 2 INCHES TO THIS DIMENSION IF USING HIGH PROFILE LID OPTION

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 (NO_2).

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 the 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 combine 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.