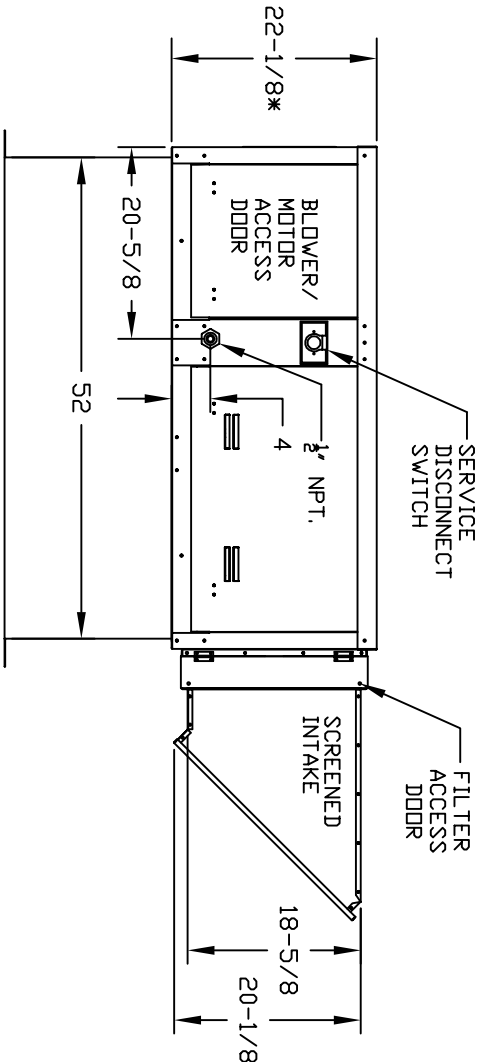
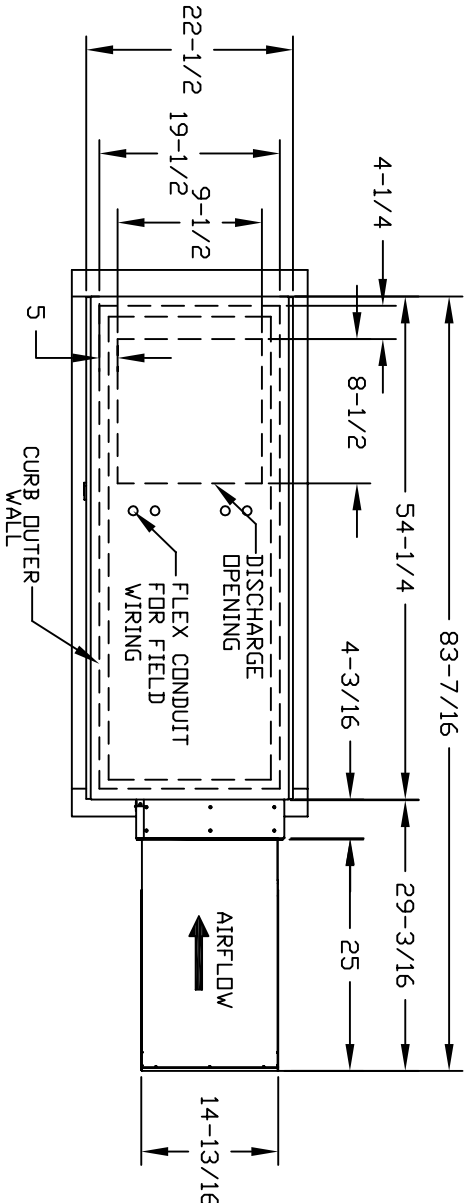
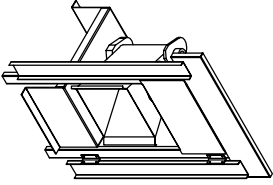


MODEL 76 OUTDOOR DOWN DISCHARGE DIRECT FIRED HEATER WITH FILTER AND SCREEN INTAKE

STVBD76DAH  
REV.#4 07/28/20



Direct Fired (DF) Profile Plate Assembly



UNIT INFORMATION

MODEL	WEIGHT	BURNER LENGTH	BTU LOW	BTU HIGH	GAS PRESSURE		CFM RANGE		FILTER SIZE & QTY		MAX. FILTER VELOCITY
					MIN	MAX	MIN	MAX	16"x20"x2" (1)	1600	
76	335 Lbs	6'	18	22500	5" WC	14" WC	600	1600	16"x20"x2" (1)	1600	CFM = 914 FPM

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

ROOF OPENING 2" SMALLER THAN CURB DIMENSION

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

Direct Fired Profile Plate Specifications:

Direct fired burner shall have patented QIS Patent No. US66292382, 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 3ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Application:

Self-adjusted 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 applicable standards ANSI Z83.4 and CSA 5.7 (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.