

MODEL 76 INDOOR DOWN DISCHARGE DIRECT FIRED HEATER



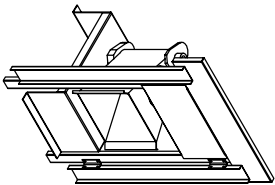
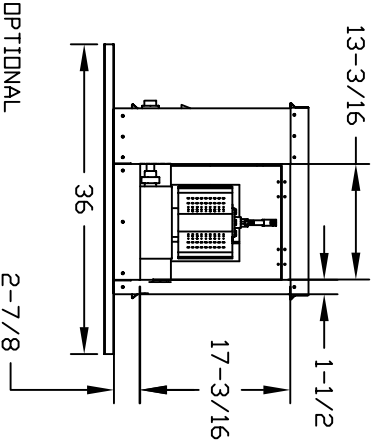
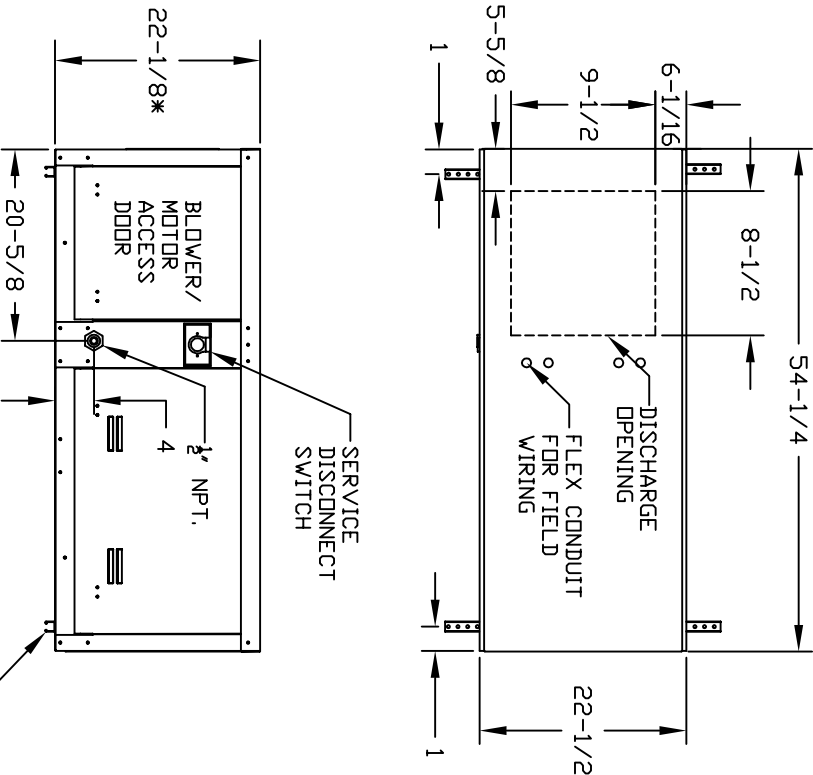
Direct Fired Profile Plate Specifications:

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 30ppm of carbon monoxide (CO), and 100ppm 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

UNIT INFORMATION

MODEL	WEIGHT	BURNER LENGTH	BTU LOW	BTU HIGH	GAS PRESSURE	CFM RANGE
76	305 Lbs	6'	18	225000	5" WC 14" WC	600 1600

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.
WITH 2 INCHES OF TOLERANCE IN EACH DIRECTION.