

# FAN-Evaluator (FAN-E)

## RECTANGULAR CONFIGURATION

### 90° FLANGE

## SUBMITTAL SHEET



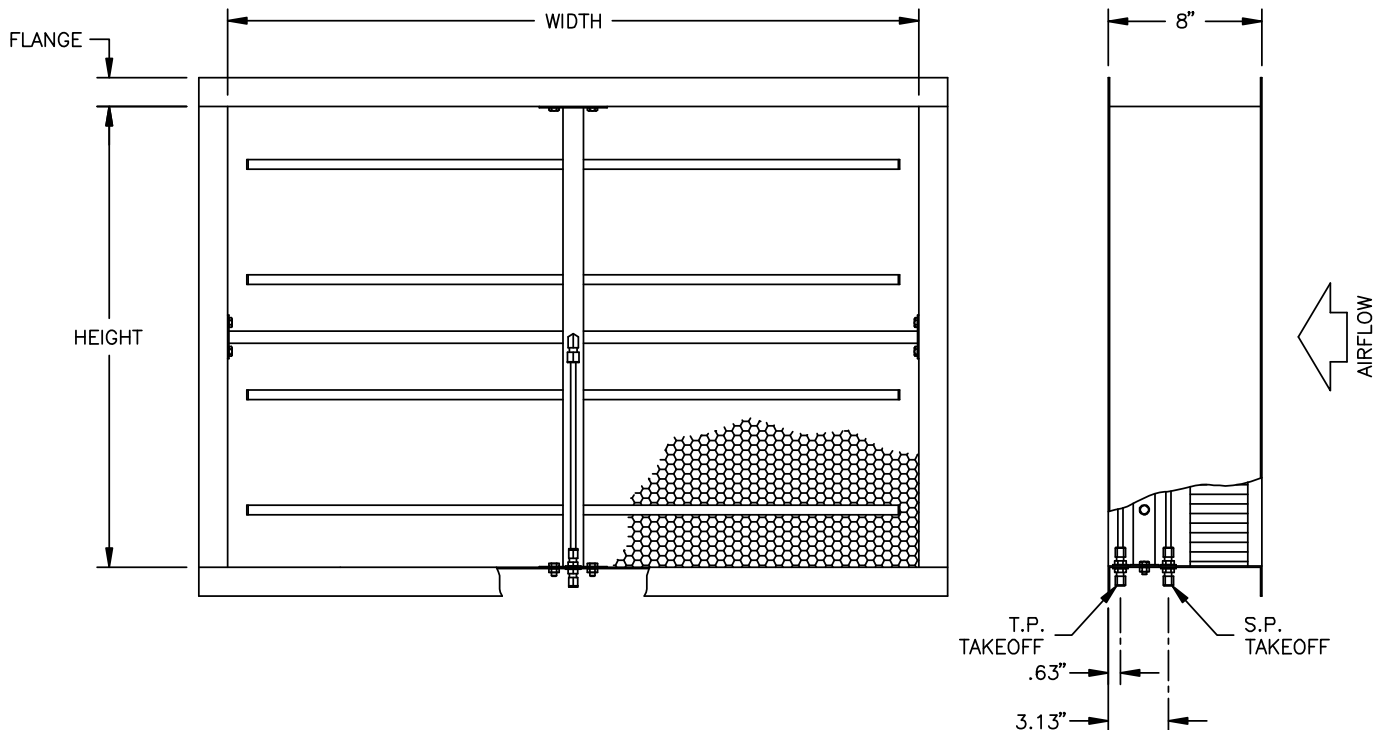
#### STANDARD CONSTRUCTION

<b>Casing.</b>	14 ga. galvanized sheetmetal, intermittent welded casing sealed with metal caulking.
<b>Flanges.</b>	1-1/2" wide, 90° formed flange for all sizes up to 144" x 144".
<b>Air Straightener.</b>	Corrosion resistant 3003 aluminum. 3" deep x 1/2" cell.
<b>Total Pressure Header.</b>	Copper tubing assembled with 50/50 tin/lead solder. Galvanized mounting and support brackets.
<b>Static Pressure Probe.</b>	Copper tubing assembled with 50/50 tin/lead solder.
<b>Casing Depth.</b>	8" deep.
<b>Connection Fittings.</b>	1/4" brass compression type located on the long dimension.
<b>Identification Label.</b>	Paper w/pressure sensitive adhesive (Work Order Number, ID Number, Size, Shape, Station Area).

#### PERFORMANCE SPECIFICATIONS

<b>Accuracy.</b>	2% when installed per recommended minimum installation requirements.
<b>Outputs.</b>	Individually averaged signals of total and static pressure.
<b>Operating Velocity.</b>	400 - 4000 FPM.
<b>Operating Temperature.</b>	Continuous operation to 200°F.
<b>Directional Sensitivity.</b>	Not measurably affected by directional airflows with pitch and yaw angles up to 30°.
<b>Traverse Pattern.</b>	Log-Tchebycheff rule for rectangular and equal area for circular ducts.
<b>Resistance.</b>	0.3" w.c. @ 4000 FPM.

#### DIMENSIONAL SPECIFICATIONS



For **OPTIONAL CONSTRUCTION**, refer to Submittal Sheet  
**"Optional Construction - Stations" - 3.68.0**

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