



REPRESENTED BY:

TODD AIR SOLUTIONS
101 E FISHER ST, 3rd FLOOR
SALISBURY NC 28144
Phone: 704 630-1101
Fax: 704 630-0528

DRAWING SUBMITTAL

CUSTOMER:

AVANI ENVIRONMENTAL
PO BOX 1279
YOUNGSVILLE, NC 27596

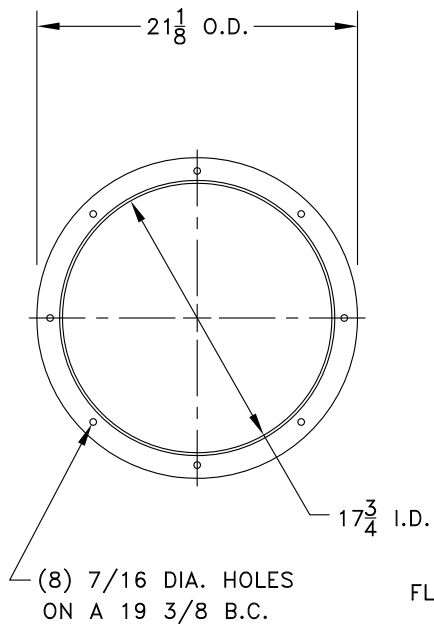
DATE: 5/31/2012

ATTENTION: Mr. Fred Johnson
P.O. # 4639
CFV # 1206771
REPRESENTATIVE ORDER # CFQ# 214156

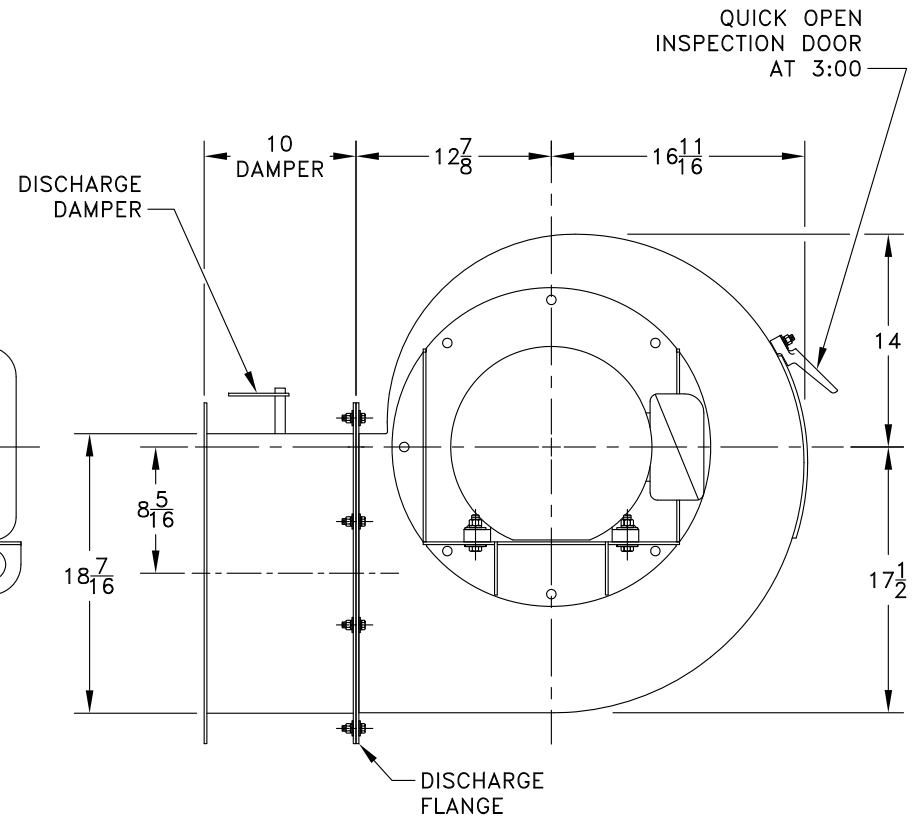
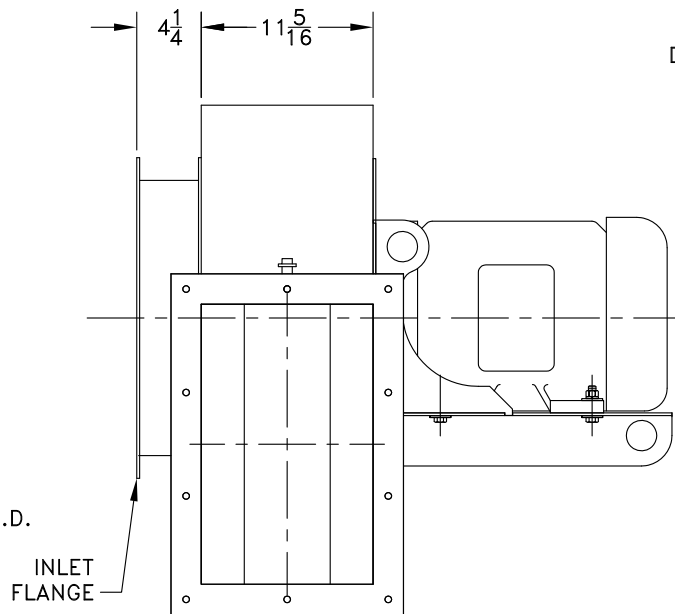
x REFERENCE APPROVAL CORRECTION

Table with 2 columns: DRAWING NO. and DESCRIPTION. Rows include SPECIFICATION SHEET, MODEL: HDBI-160, DISCHARGE FLANGE, and DISCHARGE DAMPER.

REMARKS: 2D AUTOCAD DRAWING INCLUDED.




INLET FLANGE

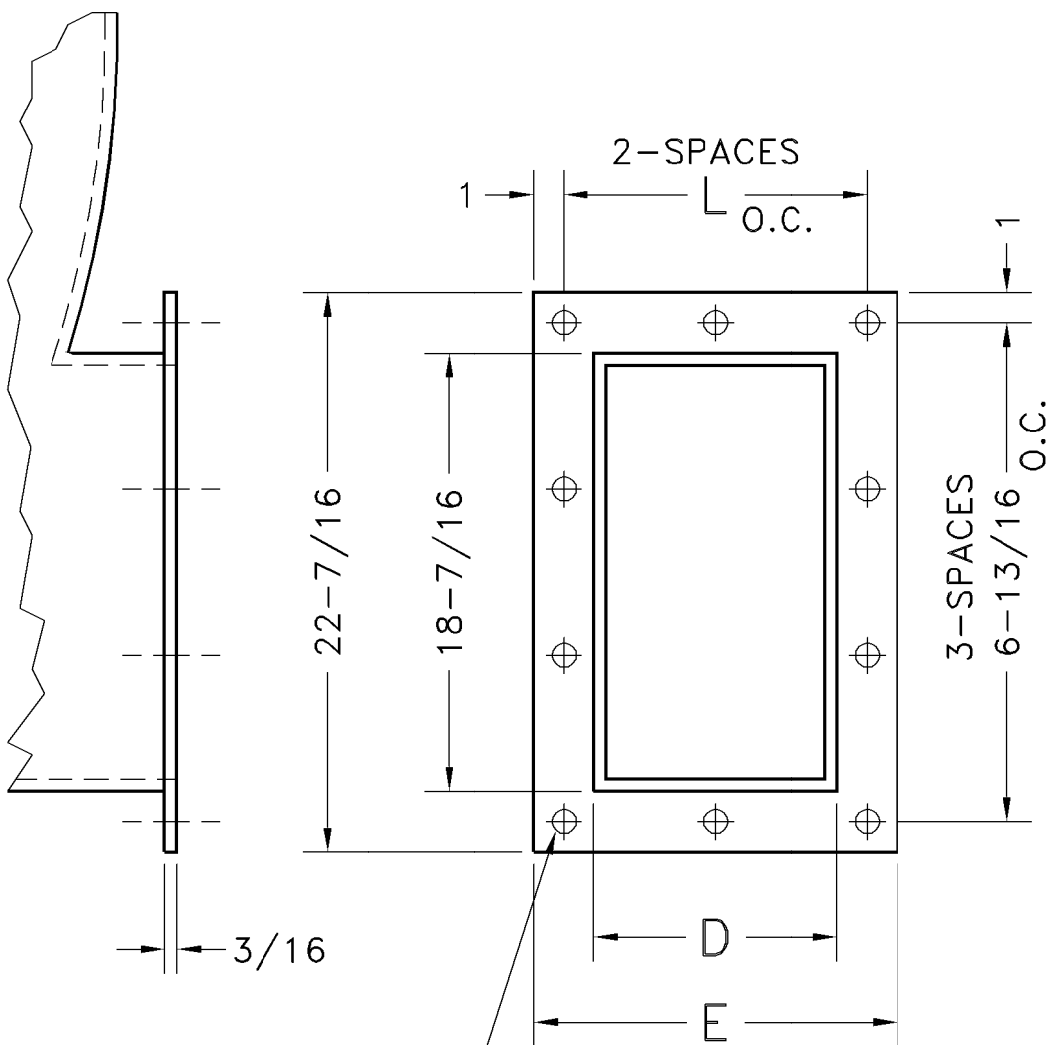


CW BOTTOM HORIZONTAL DISCHARGE SHOWN

NOTES:

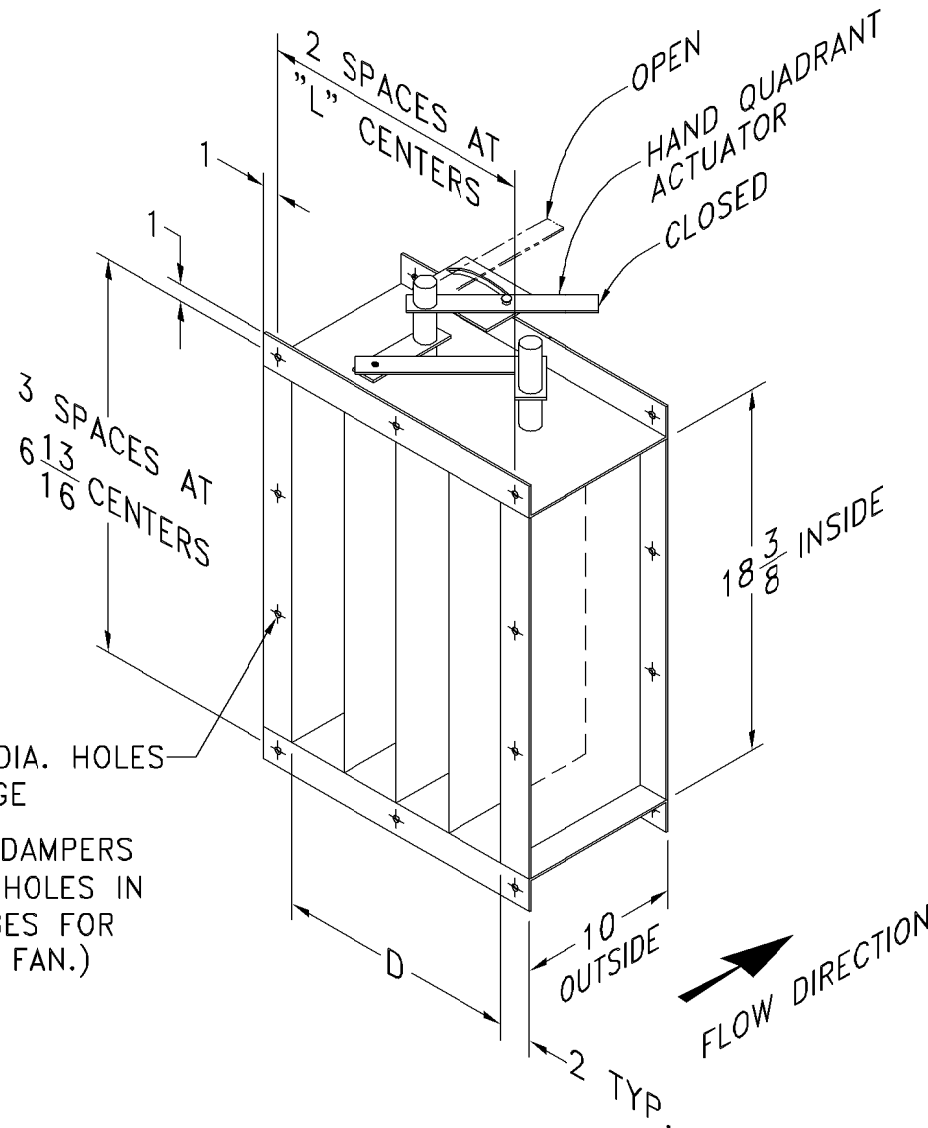
1. MOTOR: 20 HP, 3500 RPM, 256T FRAME, TEFC.
2. SEE DWG A27208-01 FOR DISCHARGE FLANGE DETAIL.
3. SEE DWG. A17110-160 FOR DISCHARGE DAMPER DETAIL.
4. CLASS III, 80% WHEEL CONSTRUCTION.
5. TEFLON SHAFT SEAL.

				SUPERSEDES:		TOLERANCES: FRACTIONS ± 1/8 ANGLES: ± 1° DECIMALS: X.XXX = ±0.005 X.XX = ±0.060 X.X = ±0.120 ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED		SCALE: FULL IN CAD DATE: 5/31/12		 cincinnati fan 7697 SNIDER ROAD MASON, OHIO 45040	
				SIMILAR TO:		ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED		DR. BY: JH		TITLE: HDBI-160 ARR. 4HM, 80% WIDTH W/ DISCHARGE DAMPER FOR AVANI ENVIRONMENTAL	
								CHK. BY:			
NO.	DESCRIPTION	DATE	INITIALS	CERTIFIED		MATERIAL:		ASSEMBLY		DRAWING NO. A 1206771	
REVISIONS										SHEET 1 of 1 REV.	



(10) 7/16 DIA. HOLES

% WIDTH	D	E	L
100	12-1/2	16-1/2	7-1/4
95	12-3/16	16-3/16	7-3/32
90	11-7/8	15-7/8	6-15/16
85	11-5/8	15-5/8	6-13/16
80	11-5/16	15-5/16	6-21/32
75	11	15	6-1/2
70	10-3/4	14-3/4	6-3/8
65	10-7/16	14-7/16	6-7/32
60	10-1/8	14-1/8	6-1/16
55	9-13/16	13-13/16	5-29/32
50	9-1/2	13-1/2	5-3/4
45	9-3/16	13-3/16	5-19/32



(10) 7/16 DIA. HOLES EACH FLANGE

(STANDARD DAMPERS HAVE BOLT HOLES IN BOTH FLANGES FOR BOLTING TO FAN.)

	% WIDTH	D	L
	100	12-1/2	7-1/4
	95	12-3/16	7-3/32
	90	11-7/8	6-15/16
	85	11-5/8	6-13/16
X	80	11-5/16	6-21/32
	75	11	6-1/2
	70	10-3/4	6-3/8
	65	10-7/16	6-7/32
	60	10-1/8	6-1/16
	55	9-13/16	5-29/32
	50	9-1/2	5-3/4
	45	9-3/16	5-19/32

NOTES:

1. OPPOSED BLADE IS STANDARD. □ PARALLEL BLADE IS OPTIONAL.
2. DAMPER BLADES WILL BE PERPENDICULAR TO FAN SHAFT.
3. STANDARD MATERIAL IS CARBON STEEL WITH RUST INHIBITING PRIMER. □ OPTIONAL MATERIAL _____.
4. STANDARD CONSTRUCTION MAX. TEMPERATURE: 300° F.
□ OPTIONAL HIGH TEMPERATURE CONSTRUCTION MAX. TEMPERATURE: 800° F.

