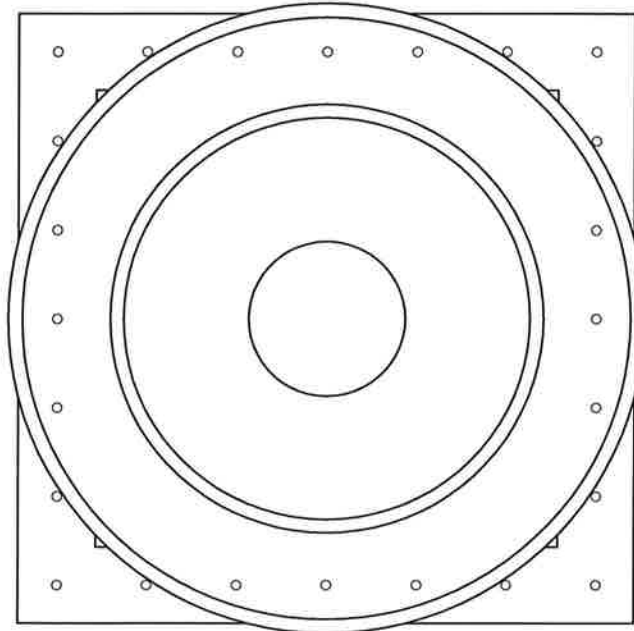
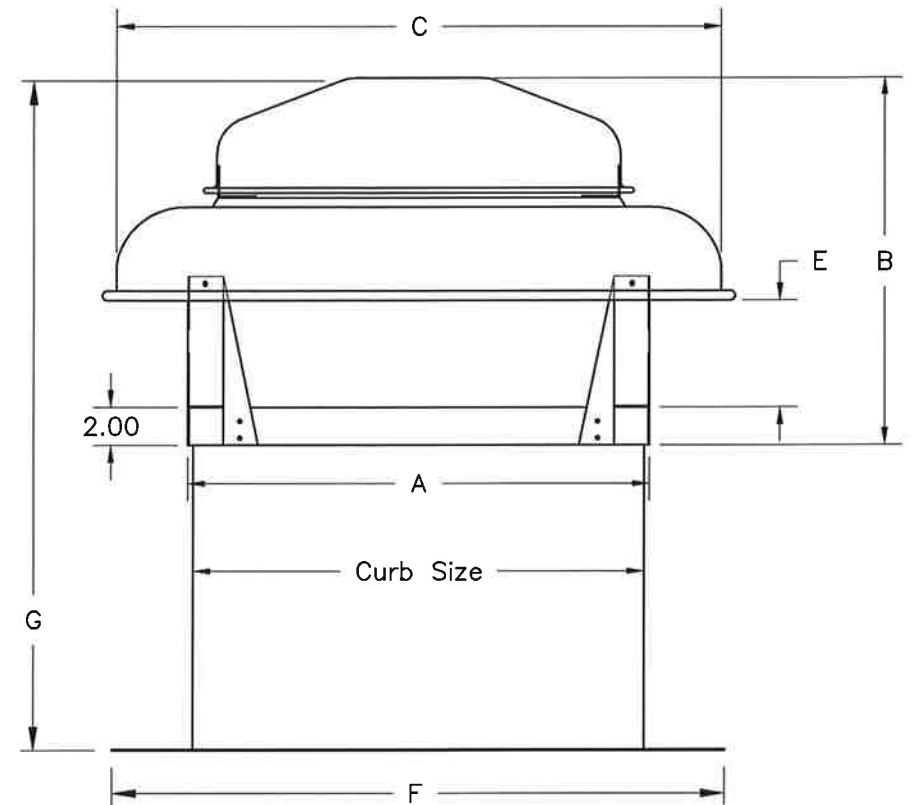
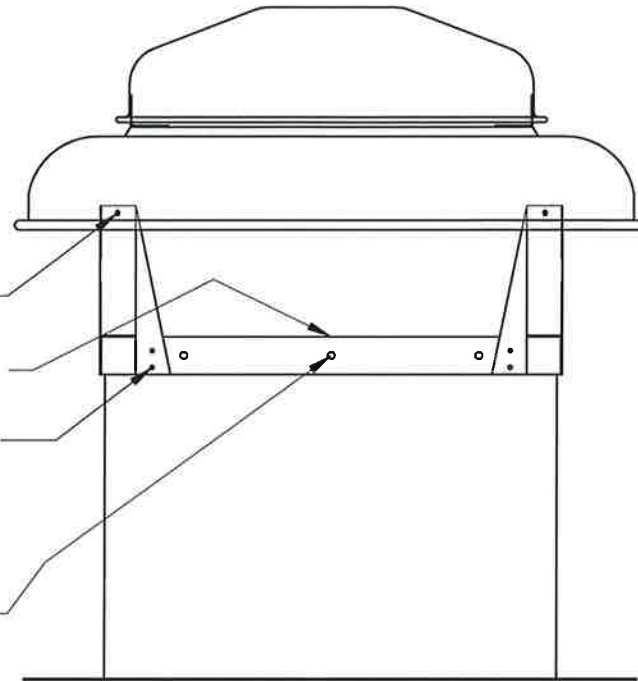


Large Missile Impact Resistant
 Max rated design pressure : +53.0 / -112.0 PSF



- 4 x 1/4"-20x3/4" HWH bolts
- Windband to Curb Welded
2" welds on 6" centers
- 16 x 3/16" Aluminum Rivets
- Fan curb to Roof curb
connection
1/4" sheet metal screws
on minimum 6" centers



General Notes:
 Plan View 1. Product evaluated in accordance with requirements of 2006 International Building Code and ASCE 7-05.

2. Roof structure must be designed for weight of unit and wind load reactions transferred from the unit.

3. Product evaluated for the structural capacity of the exterior housing only. Interior mechanisms and/or electrical components have not been evaluated.

4. All fasteners must be corrosion resistant.

Elevation View

Model	Fan Dimensions (Inches)							Curb Dimensions			Fan + Curb Weight (lbs.)
	A	B	C	D	E	F	G	Curb Size	Curb Height	Curb Material	
60	13.50	9.00	18.25	2.00	0.00	21.50	49.00	13.20	8 to 42	18 ga. G90 galv.	46
70	13.50	9.00	18.25	2.00	0.00	21.50	49.00	13.20	8 to 42	18 ga. G90 galv.	46
80	13.50	9.00	18.25	2.00	0.00	21.50	49.00	13.20	8 to 42	18 ga. G90 galv.	46
100	16.00	13.25	21.12	2.00	3.81	24.00	53.25	15.70	8 to 42	18 ga. G90 galv.	51
110	16.00	13.25	21.12	2.00	3.81	24.00	53.25	15.70	8 to 42	18 ga. G90 galv.	52
118	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	75
126	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	76
135	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	82
145	21.00	16.38	27.75	2.00	4.81	29.00	56.38	20.70	8 to 42	18 ga. G90 galv.	96
163	24.00	18.12	31.63	2.00	5.56	32.00	58.12	23.70	8 to 42	18 ga. G90 galv.	139
171	24.00	18.12	31.63	2.00	5.56	32.00	58.12	23.70	8 to 42	18 ga. G90 galv.	148

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 717-764-7700
 Project No.: E8434.03-122-34



DWG NO. 686739 Sheet 1/3

TITLE Exhaust Ventilator Model PRN

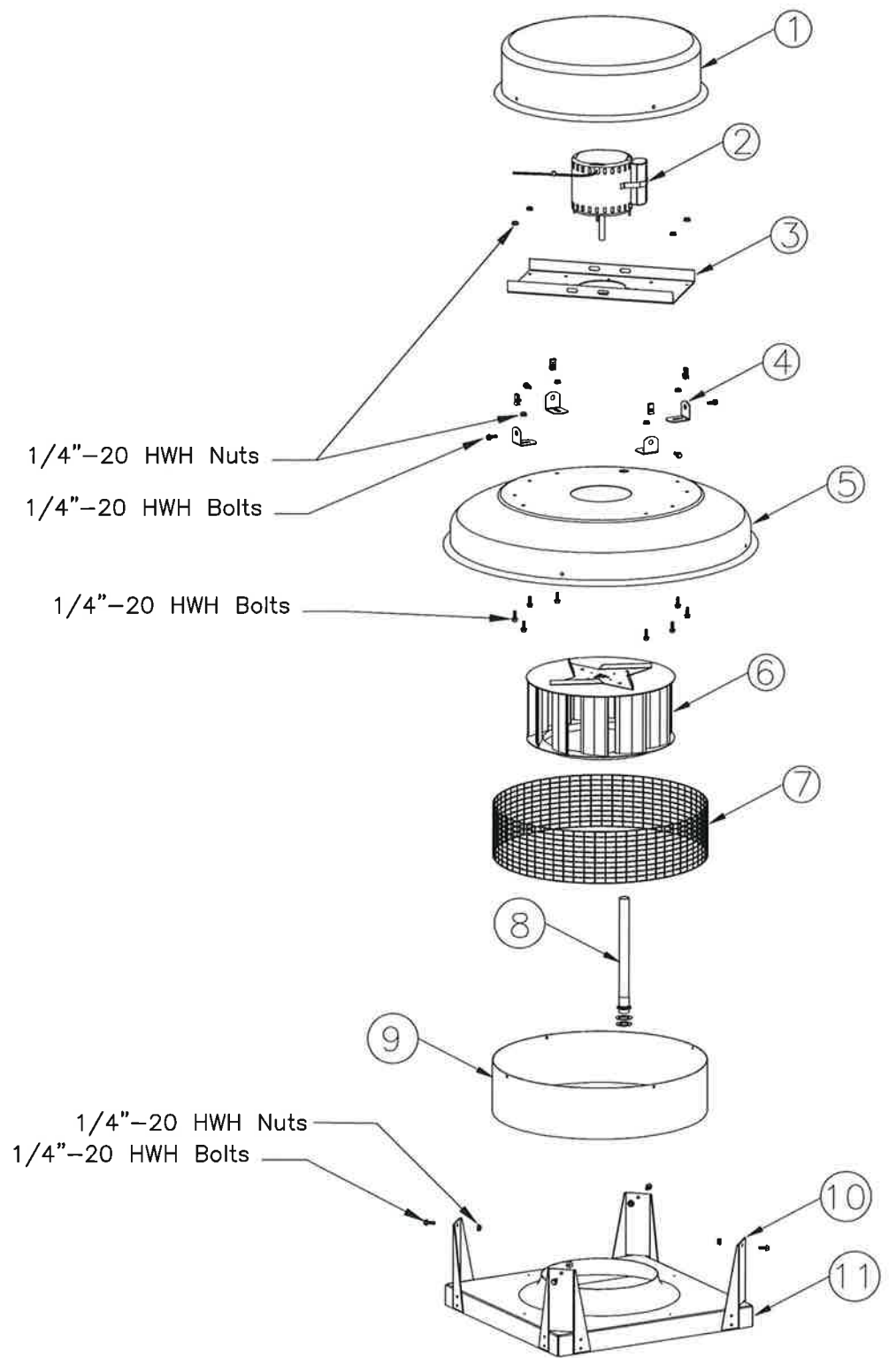
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 DRAFTER TCR DATE 04/12/10
 DESIGN ENG. TCR 04/12/10 RELEASED
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LET.	REVISION RECORD	BY	CKD.	DATE
A	REVISED FOR FLORIDA BUILDING CODE 2010	BPF	TCR	7/10/12
B	REVISED FOR FLORIDA BUILDING CODE 2014	TCR	TGB	5/28/15
C	REVISED FOR 42" TALL CURBS	TCR	TGB	6/29/15
D	WOOD SCREW PENETRATION AND CONCRETE STRENGTH	TCR	TGB	3-6-17

ACME Engineering & Manufacturing Corp
 1820 N. York St.
 Muskogee, OK 74403
 918-682-7791

Item#	Qty.	Item	Size	60-70-80	100	110	118	126
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor						
3	1	Motor Mount		18 ga. G90 galv.	18 ga. G90 galv.	18 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller						
7	1	Birdscreen		19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum

Item#	Qty.	Item	Size	135	145	163	171
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor					
3	1	Motor Mount		14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller					
7	1	Birdscreen		19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh	19 ga. wire mesh
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum



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DWG NO. 686739 Sheet 2/3

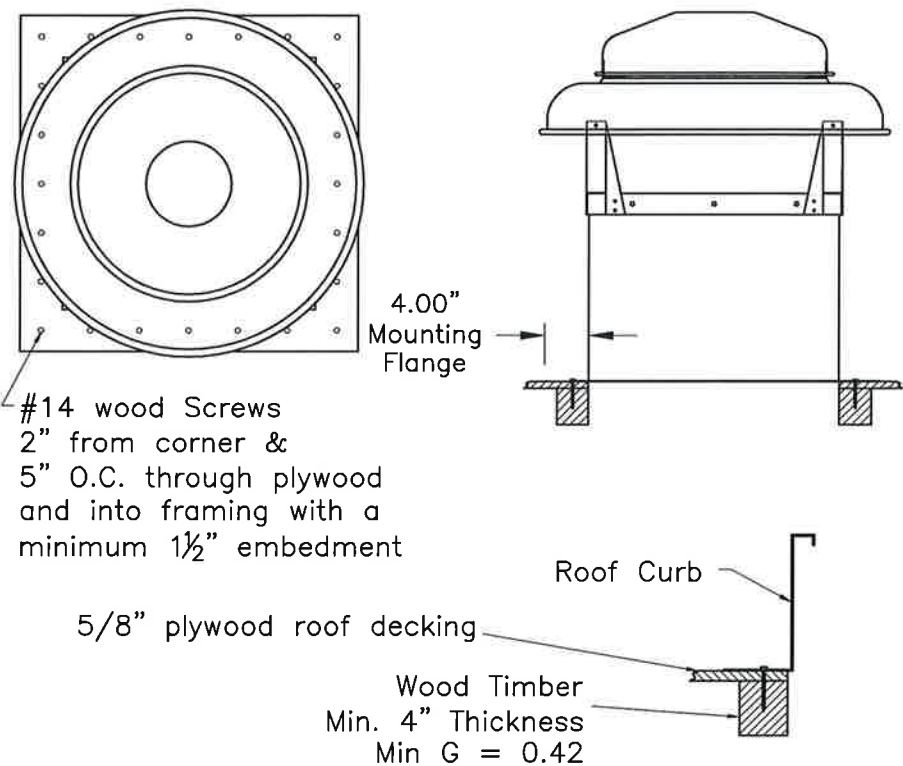
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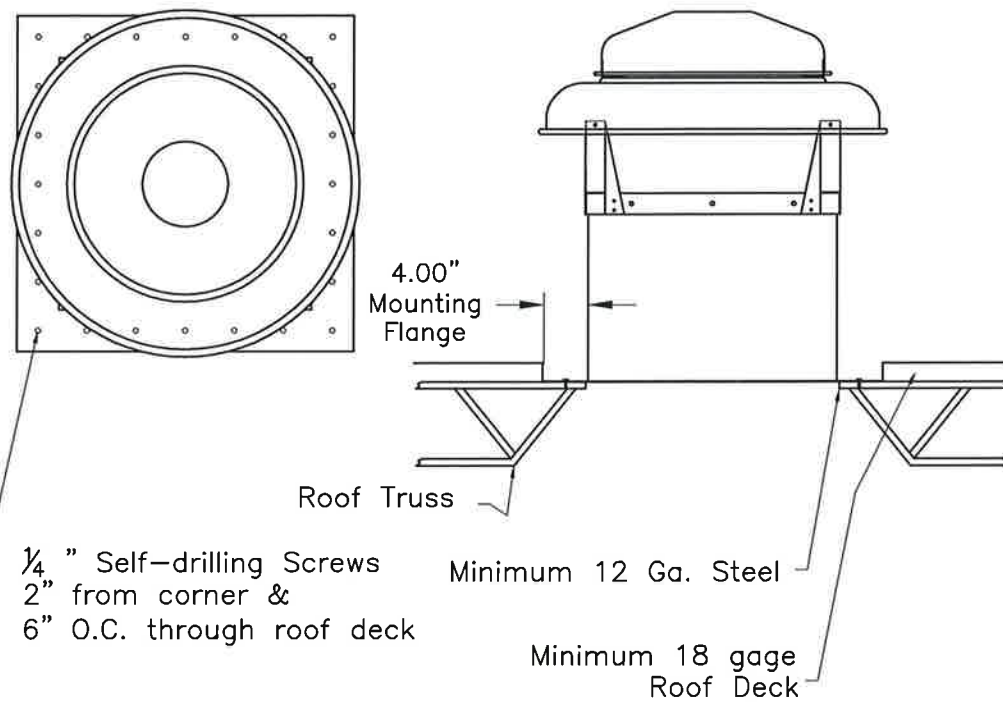
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Large Missile Impact Resistant
 Max rated design pressure : +53.0 / -112.0 PSF



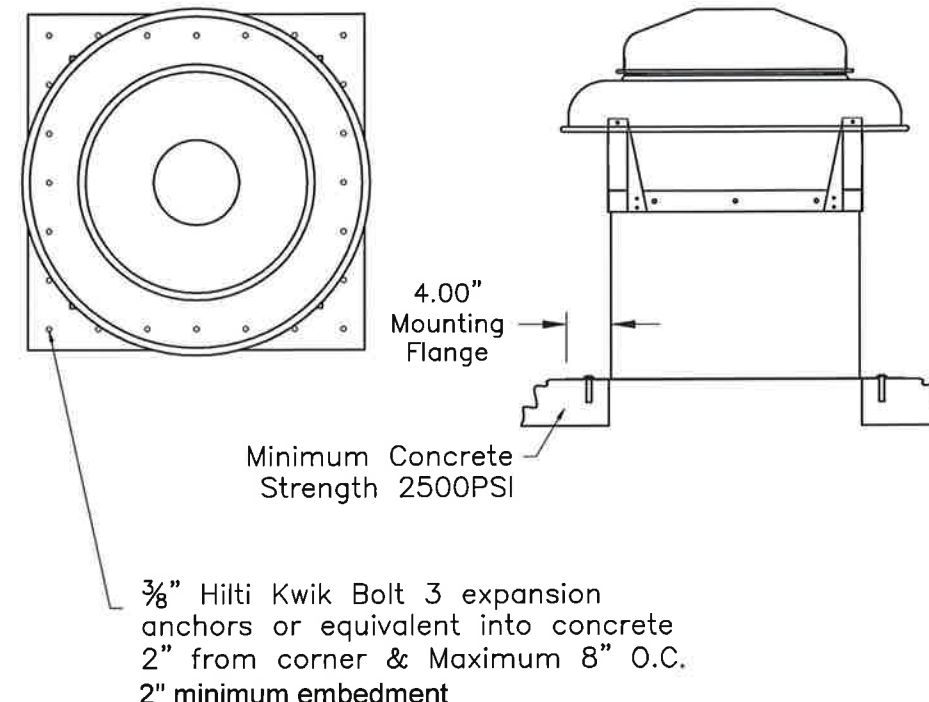
Plan View Elevation View

Wood Deck Installation



Plan View Elevation View

Metal Building Installation



Plan View Elevation View

Concrete Deck Installation



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MODEL	MOUNTING FLANGE DIMENSIONS	INSTALLATION TYPE / FASTENER COUNT		
		WOOD DECK	METAL BUILDING	CONCRETE DECK
60	21.50 X 21.50	16	16	12
70	21.50 X 21.50	16	16	12
80	21.50 X 21.50	16	16	12
100	24.00 X 24.00	16	16	12
110	24.00 X 24.00	16	16	12
118	29.00 X 29.00	20	20	12
126	29.00 X 29.00	20	20	12
135	29.00 X 29.00	20	20	12
145	29.00 X 29.00	20	20	12
163	32.00 X 32.00	24	24	16
171	32.00 X 32.00	24	24	16

DWG NO. 686739 Sheet 3/3

TITLE Exhaust Ventilator Model PRN

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