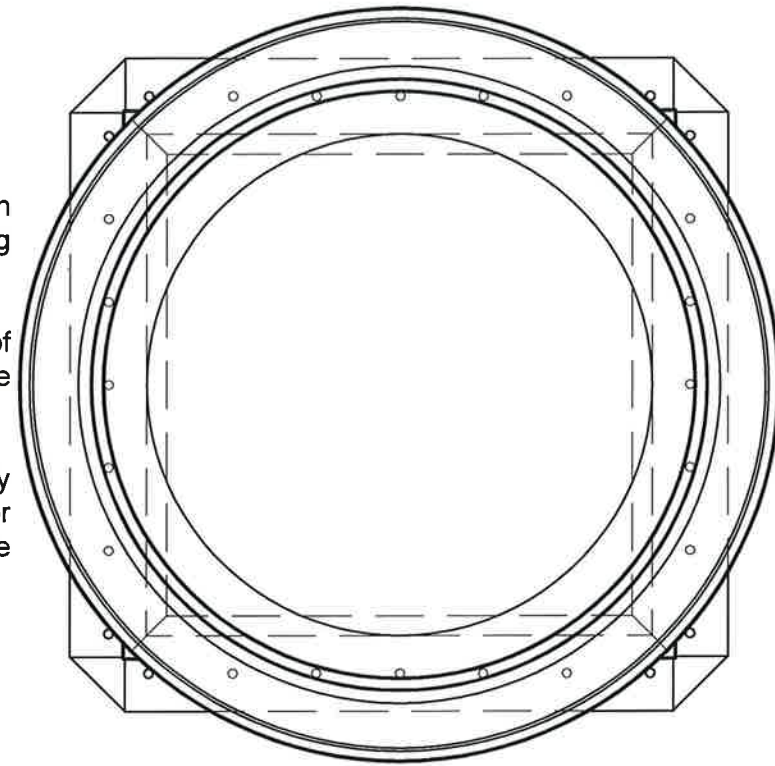


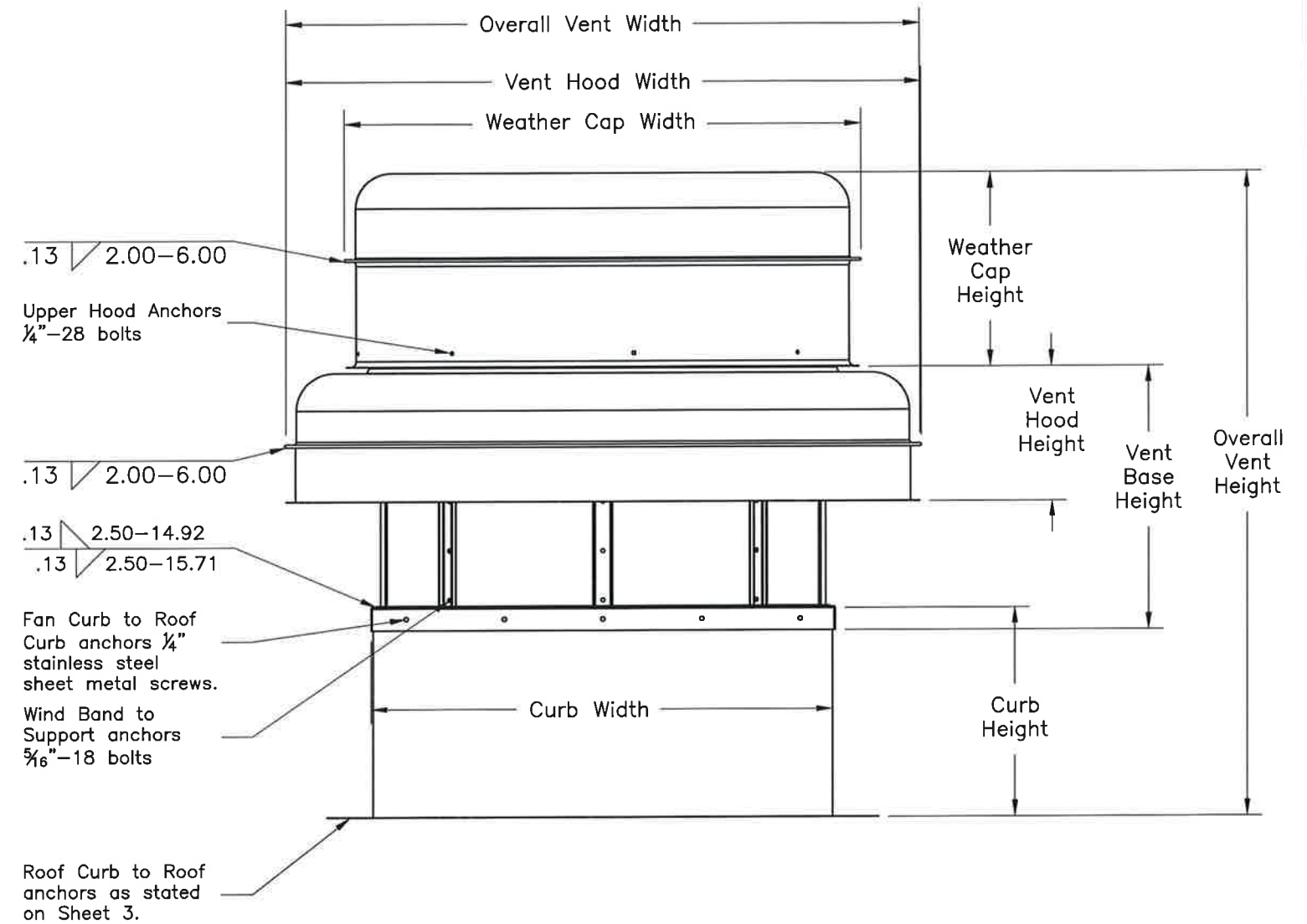
Large Missile Impact Resistant  
 Max rated design pressure : +100.0 / -175.0 PSF

**General Notes:**

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.



Plan View



Elevation View - Installation

All dimensions are in inches unless otherwise noted.



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 TX Firm F-11869  
 130 Derry Ct.  
 York, PA 17404  
 717-764-7700  
 Project No.: E8434.04-122-34

Model	Dimensions									Maximum Weight (lbs)			Number of Anchors		
	Overall Vent Width	Overall Vent Height	Vent Hood Width	Vent Hood Height	Curb Width	Curb Height	Vent Base Height	Weather Cap Width	Weather Cap Height	Fan	Curb	Total	Fan Curb to Roof Curb	Wind Band to Supports	Upper Hood
PV260	53.00	77.00	53.00	11.77	40.00	8 to 42	23.81	42.60	19.60	319	44	363	24	24	8
PV300	53.00	77.00	53.00	11.77	40.00	8 to 42	23.81	42.60	19.60	365	44	409	24	24	8
PV365	64.00	86.00	64.00	13.08	46.00	8 to 42	24.25	48.60	20.92	466	51	517	28	24	8

Note: Width = Length

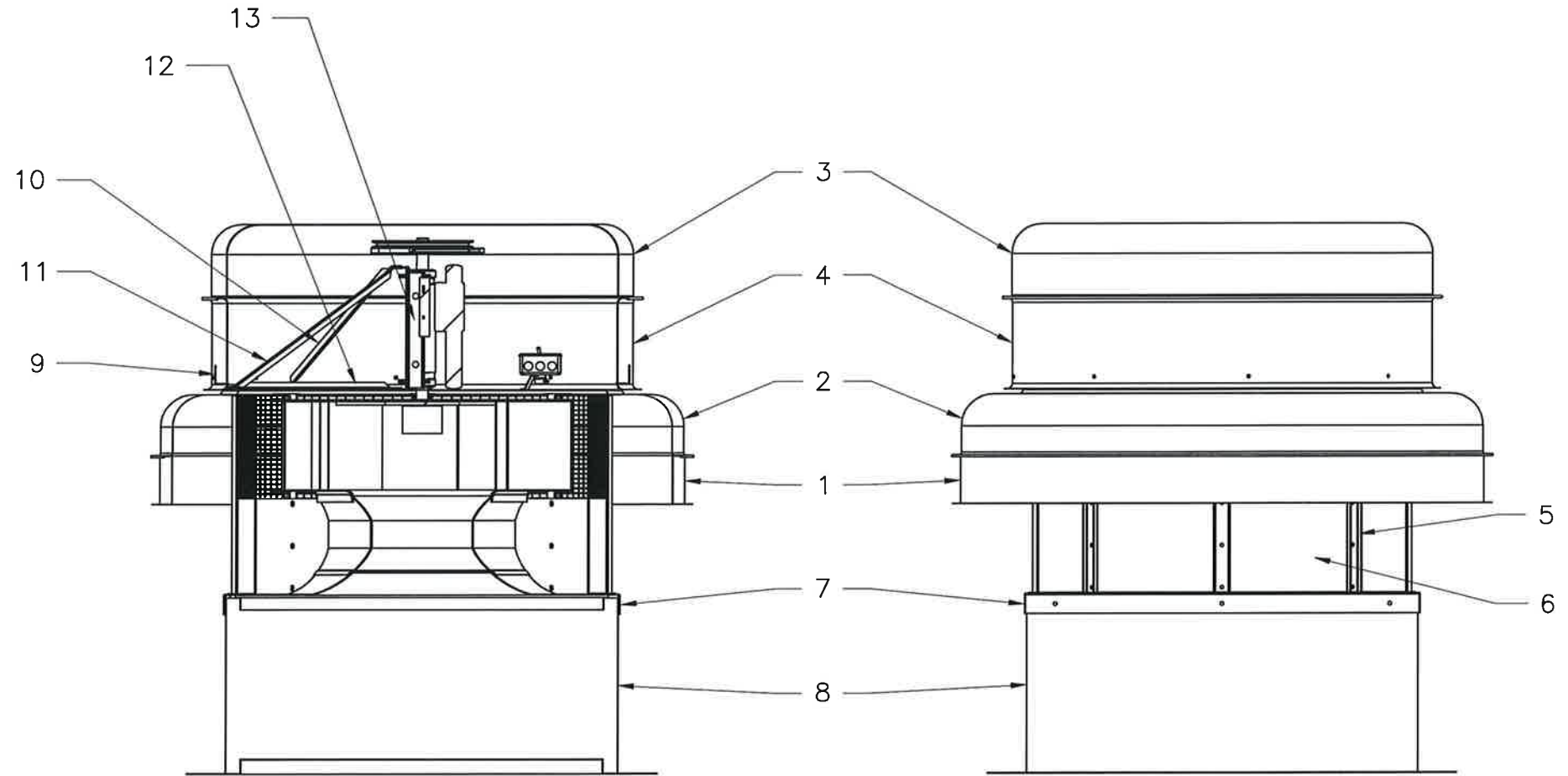
DWG NO.	686790	Sheet	1/3
TITLE	LARGE SIZE PV HURR. FANS		
MAT'L			
DRAFTER	TGB	DATE	3/26/13
DESIGN ENG.	TGB	3/26/13	RELEASED
CHKD BY	MFG.	SCALE	NTS

LET.	REVISION RECORD	BY	CKD.	DATE
A	REVISED FOR FLORIDA BUILDING CODE 2014	TCR	TGB	6/2/15
B	REVISED FOR 42" TALL CURBS	TCR	TGB	4/20/16
C	WOOD SCREW PENETRATION AND CONCRETE STRENGTH	TCR	TGB	3/6/17

Acme Engineering & Manufacturing Corp.  
 1820 N. York Street  
 Muskogee, OK 74403  
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Large Missile Impact Resistant  
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Item	Part Description	Material Description
1	Hood Lower Part	.100 3003-H14 ALUMINUM
2a	PV260/PV300 Hood Upper Part	.050 3003-0 ALUMINUM
2b	PV365 Hood Upper Part	.080 3003-0 ALUMINUM
3	Weather Cap Upper Part	.050 3003-0 ALUMINUM
4	Weather Cap Lower Part	.080 3003-H14 ALUMINUM
5	Mounting Struts	10 GA G90 GALVANIZED STEEL
6	Collar	.080 3003-H14 ALUMINUM
7	Base	.080 3003-H14 ALUMINUM
8	Curb	16 GA G90 GALVANIZED STEEL
9	HOOD SUPPORT BRACKET	.080 3003-H14 ALUMINUM
10	MOTOR STRUT	12 GA G90 GALVANIZED STEEL
11	BEARING STRUT	12 GA G90 GALVANIZED STEEL
12	HORIZONTAL STRUT	12 GA G90 GALVANIZED STEEL
13	DRIVE BASE	12 GA G90 GALVANIZED STEEL



Typical Material tolerances

Material Description	Nominal thickness	Tolerance +/-
.050 3003 ALUMINUM	.050"	.004"
.080 3003 ALUMINUM	.080"	.004"
.100 3003 ALUMINUM	.100"	.005"
16 GA G90 GALVANIZED STEEL	.063"	.006"
12 GA G90 GALVANIZED STEEL	.108"	.009"
10 GA G90 GALVANIZED STEEL	.138"	.009"



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DWG NO. 686790 Sheet 2/3

TITLE LARGE SIZE PV HURR. FANS

MAT'L  
 DRAFTER TCR DATE 3/26/13  
 DESIGN ENG. TCR 3/26/13 RELEASED  
 CHKD BY MFG. SCALE NTS

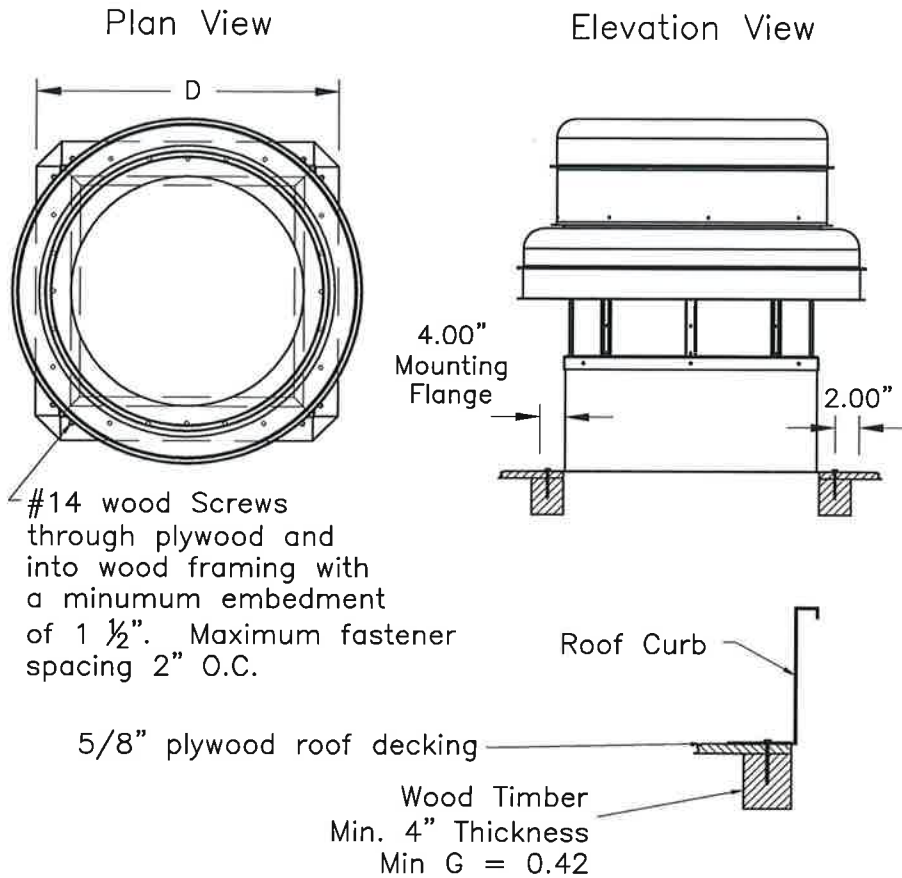
TOLERANCES  
 0"-18" = ±.030"  
 18"-30" = ±.060"  
 30"-50" = ±.120"  
 50" & UP = ±.180"

LET.	REVISION RECORD	BY	CKD.	DATE
A	REVISED FOR FLORIDA BUILDING CODE 2014	TCR	TGB	6/2/15
B	REVISED FOR 42" TALL CURBS	TCR	TGB	4/20/16
C	WOOD SCREW PENETRATION AND CONCRETE STRENGTH	TCR	TGB	3/6/17

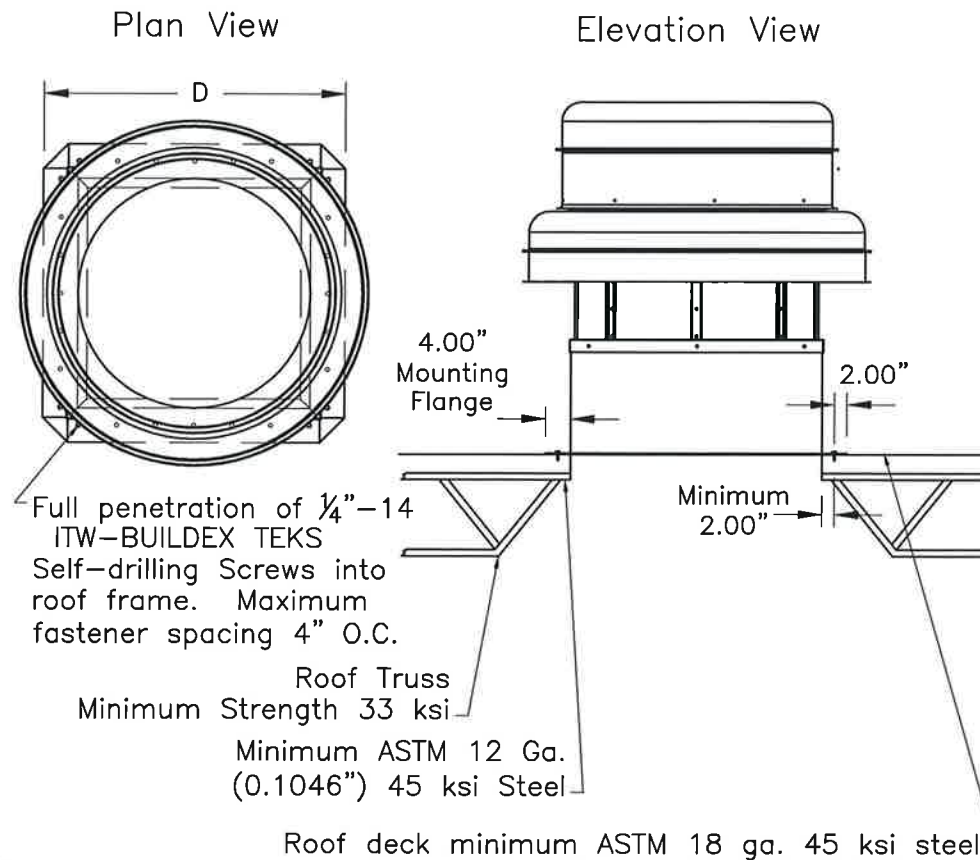
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Large Missile Impact Resistant  
 Max rated design pressure : +100.0 / -175.0 PSF

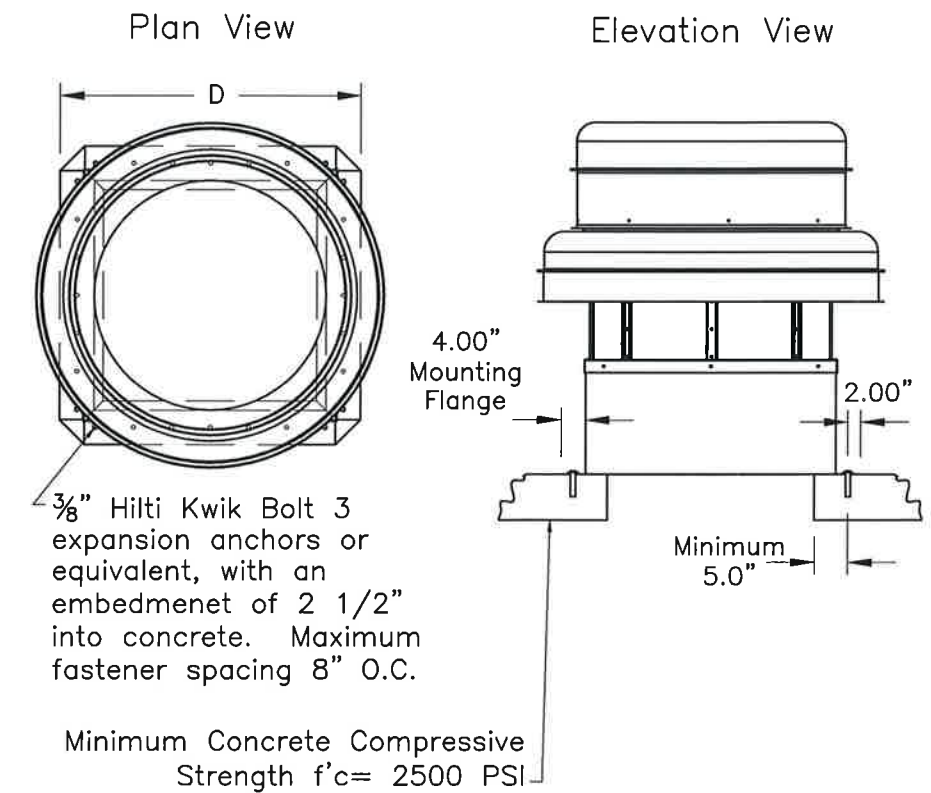
Wood Deck Installation



Metal Building Installation



Concrete Deck Installation



All dimensions are in inches unless otherwise noted.



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Roof Curb to Roof Anchors				
Installation Type	Wood Deck	Metal Building	Concrete deck	
Anchor Type	#14 X 2\" Wood Screws	1/4\" Self Drilling Screws	3/8\" Hilti Kwik Bolt 3 or equiv.	
Size	D	# Anchors	# Anchors	# Anchors
PV260	47.7	100	40	24
PV300	47.7	100	40	24
PV365	53.7	136	48	28

Fasteners are equally spaced all around 4 equal length sides.

DWG NO. 686790		Sheet 3/3		REVISION RECORD			BY	CKD.	DATE
TITLE LARGE SIZE ROOF MOUNT PV HURR. FANS				LET.	A	REVISED FOR FLORIDA BUILDING CODE 2014	TCR	TGB	6/2/15
				B	REVISED FOR 42\" TALL CURBS	TCR	TGB	4/20/16	
				C	WOOD SCREW PENETRATION AND CONCRETE STRENGTH	TCR	TGB	3/6/17	
DRAFTER TGB		DATE 3/26/13		TOLERANCES					
DESIGN ENG. TGB 3/26/13		RELEASED		0\"-18\"=±.030\"					
CHKD BY		SCALE NTS		18\"-30\"=±.060\"					
MFG.				30\"-50\"=±.120\"					
				50\" & UP=±.180\"					

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