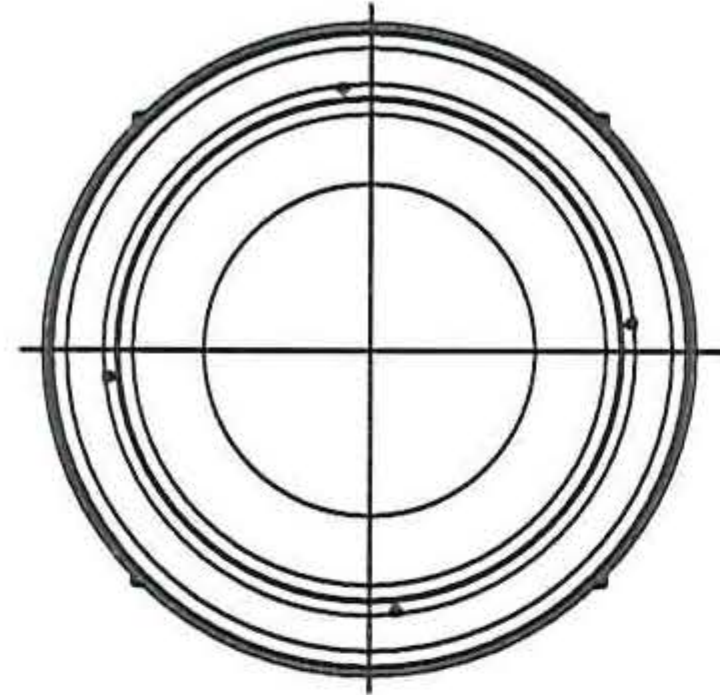
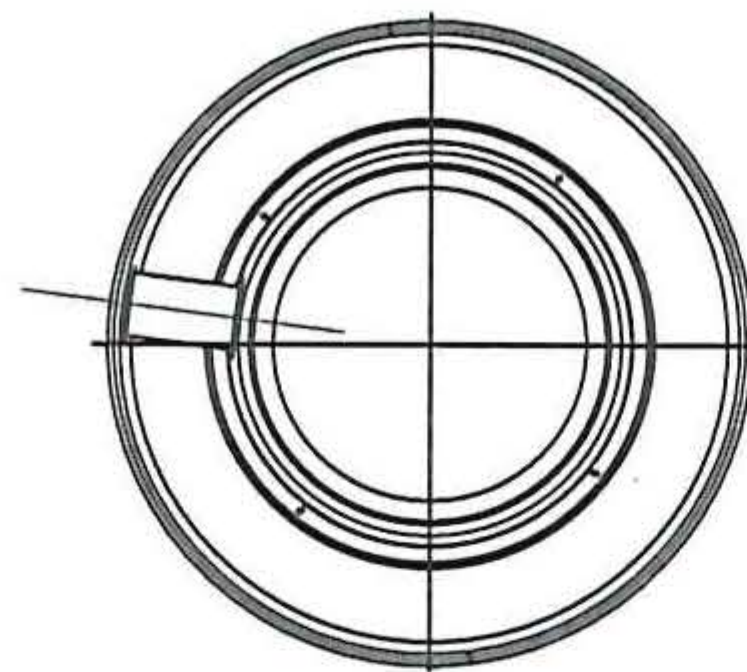
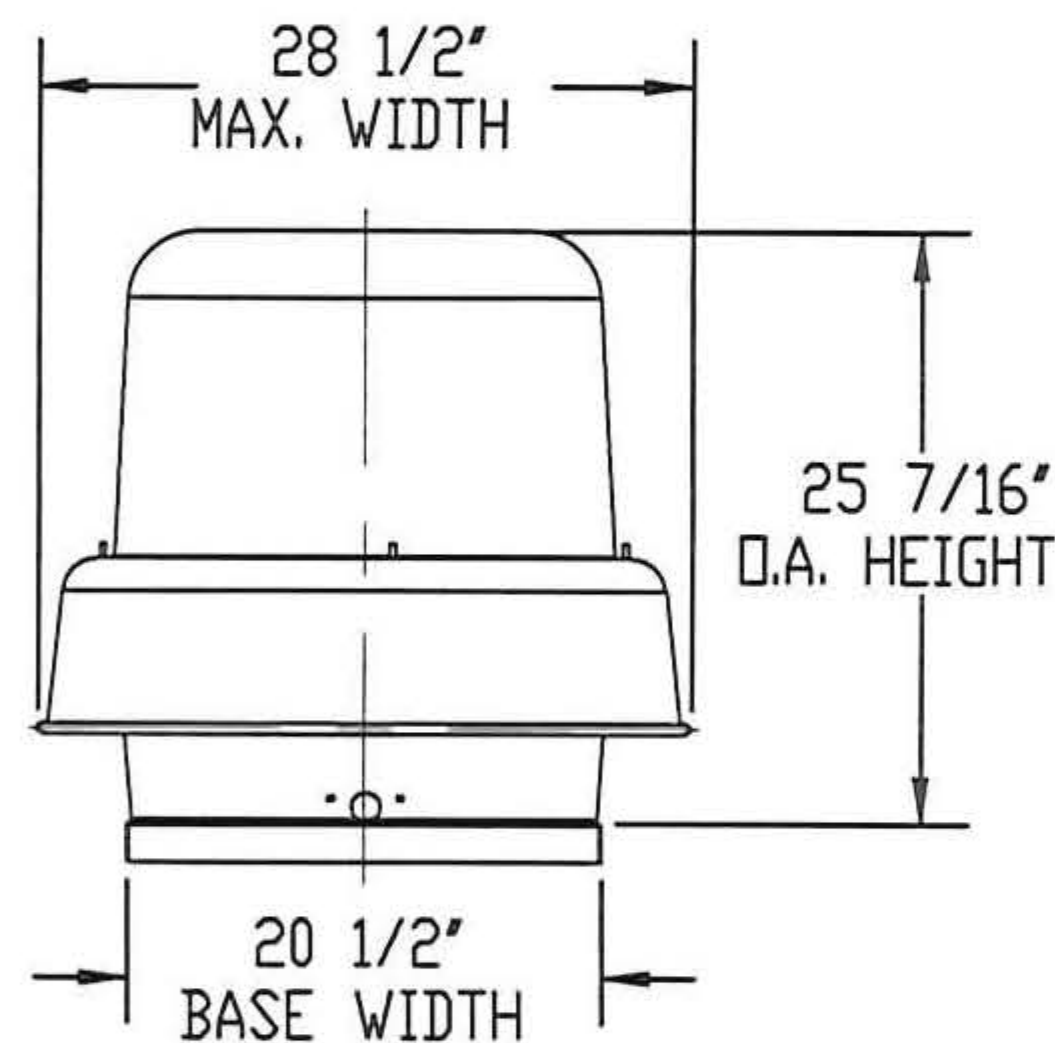
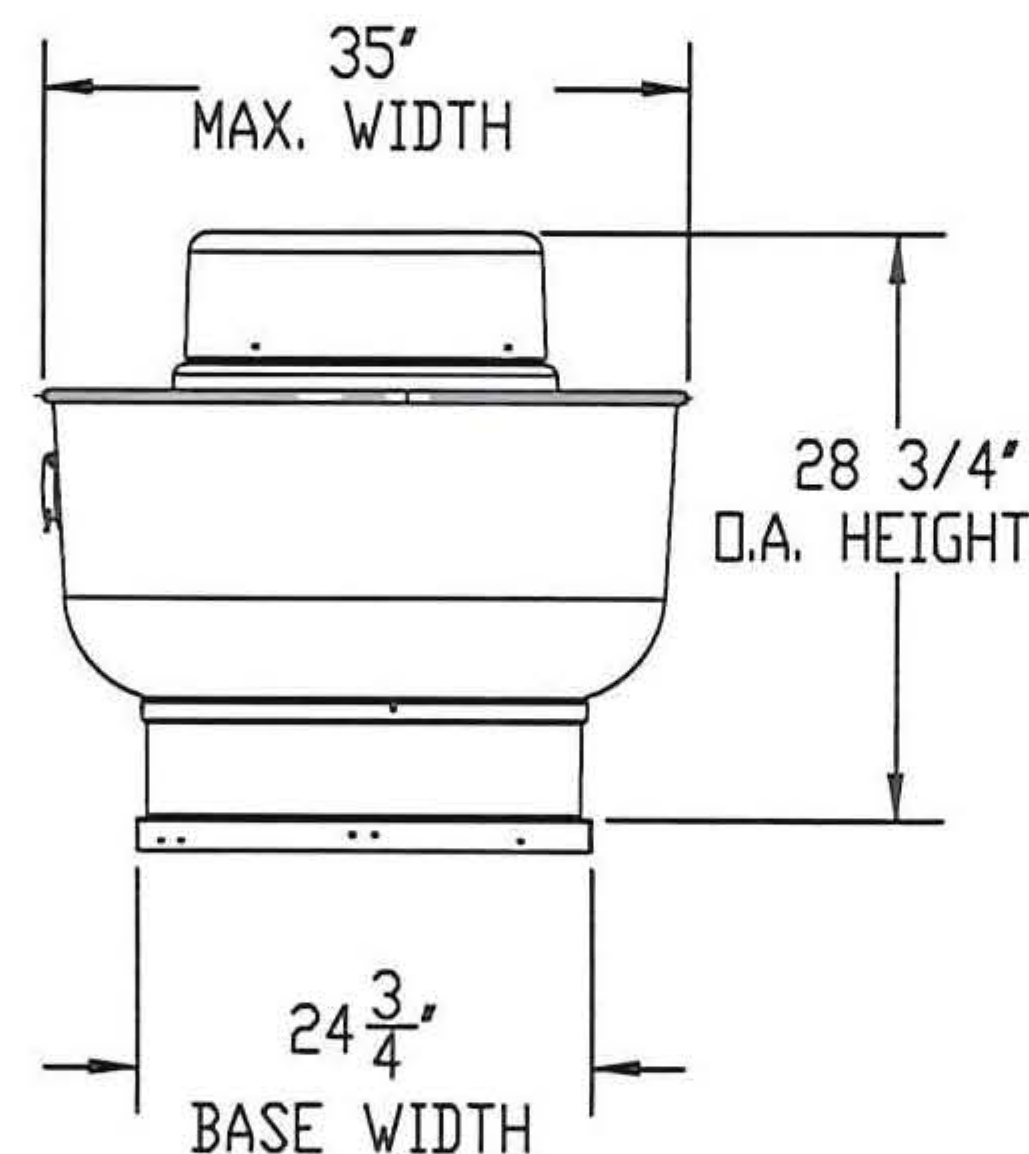




DX11B DOMEX DOWNBLAST ROOF VENT
TOP VIEW



FX08B FUMEX UPBLAST ROOF VENT
TOP VIEW



DESIGN PRESSURE RATING	IMPACT RATING
±70.0PSF	LARGE AND SMALL MISSILE IMPACT
TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES, ELEVATION & TOP VIEWS
2	ELEVATION, TOP VIEWS, DIMENSIONS TABLE
3	BILL OF MATERIALS & SECTIONS
4	INSTALLATION DETAILS
5 - 6	COMPONENTS



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	CONCRETE ANCHORAGE	10/20/2021	GH

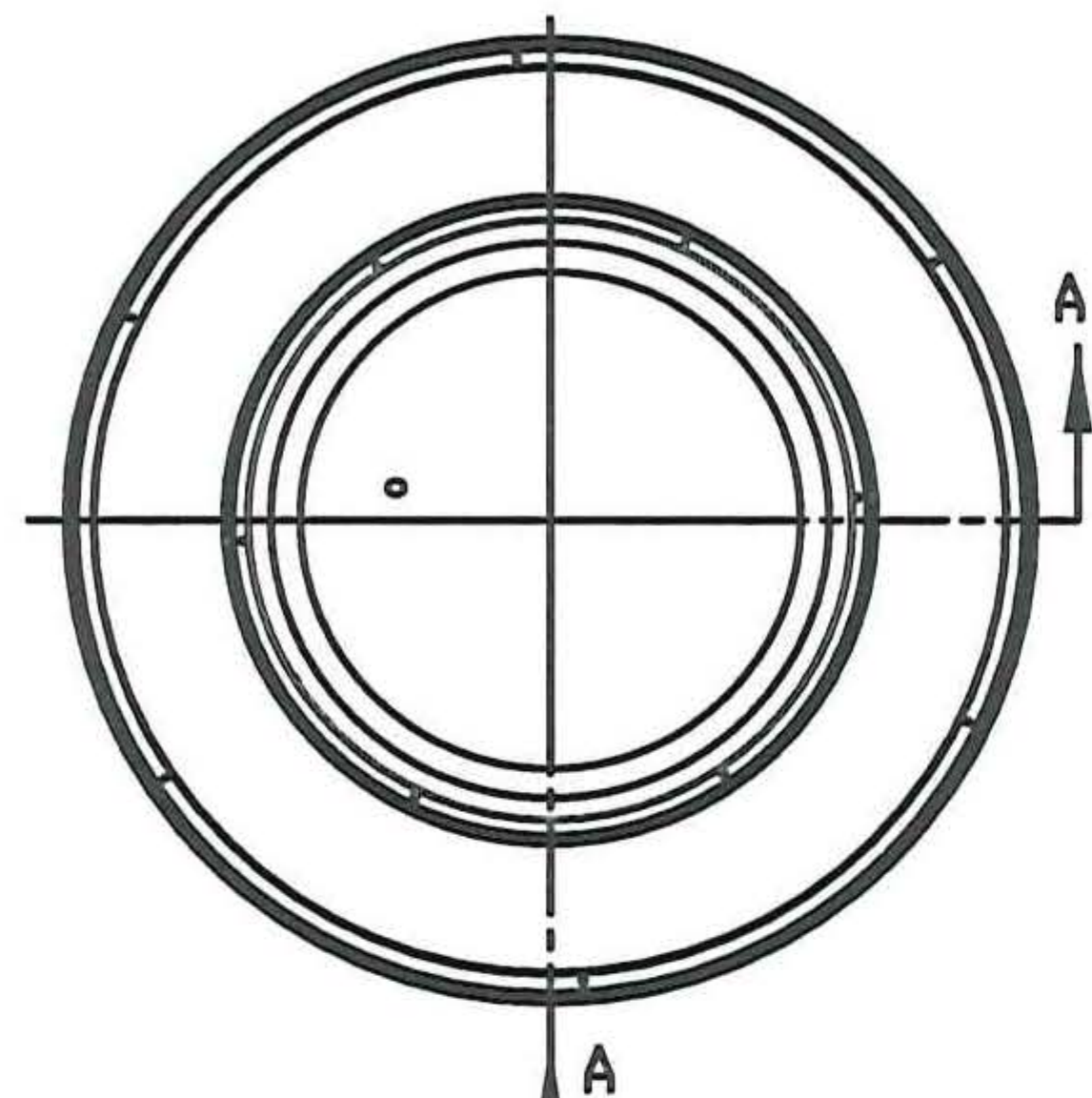
NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED & MANUFACTURED TO COMPLY WITH REQUIREMENTS OF FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- WOOD FRAMING, METAL FRAMING AND MASONRY OPENING TO BE DESIGNED & ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING & MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF UNIT OPENING & ALL WOOD FRAMING AROUND UNIT.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND-BORNE DEBRIS REGIONS.
- SHIM IS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS MAX. ALLOWABLE SHIM STACK TO BE 1/4".
- FOR INSTALLATION INTO WOOD FRAMING OR 2x BUCK USE, #12 WOOD SCREW WITH SUFFICIENT LENGHT TO ACHIEVE A 1 1/2" MIN. EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN THE ELEVATIONS & INSTALLATION DETAILS.
- FOR INSTALLATION INTO CONCRETE SLAB, USE A 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MIN. EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN THE ELEVATIONS AND INSTALLATIONS DETAILS.
- FOR ANCHORING INTO STEEL FRAMING USE #12 TEK SELF TAPPING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MIN. EMBEDMENT OF THREE THREADS PAST THE FRAME THICKNESS. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATIONS DETAILS.
- ALL INSTALLATIONS FASTENERS TO BE CORROSION RESISTANT.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS & ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MIN. STRENGTH SPECIFIED BELOW -
 - WOOD - MIN. SPECIFIC GRAVITY OF G=0.55
 - CONCRETE - MIN. COMPRESSIVE STRENGTH OF 2000 PSI
 - MASONRY - STRENGTH CONFIRMANCE TO ASTM C-90, GRADE N, TYPE 1 OR GREATER
 - METAL FRAMING - 0.125" MIN. THICKNESS
- ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS
- VENT HOUSING MATERIAL : 1100-O ALUMINIUM
- VENT BASE MATERIAL : MIN. 0.042" THK G-90 GALVANIZED STEEL OR MIN. 0.102" THK ALUMINIUM 3003-H14
- GREASE BOX & EXTERNAL WEATHERPROOF JUNCTION BOX MAY BE ATTACHED TO THIS PRODUCT. GREASE BOX & EXTERNAL WEATHERPROOF JUNCTION BOX ARE NOT THE PART OF THIS APPROVAL
- THIS APPROVAL IS FOR STRUCTURAL CAPACITY AND IMPACT TESTING OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM AND/OR ELECTRICAL DEVICE OR CIRCUIT
- THESE FANS HAVE NOT BEEN TESTED FOR WATER PENETRATION

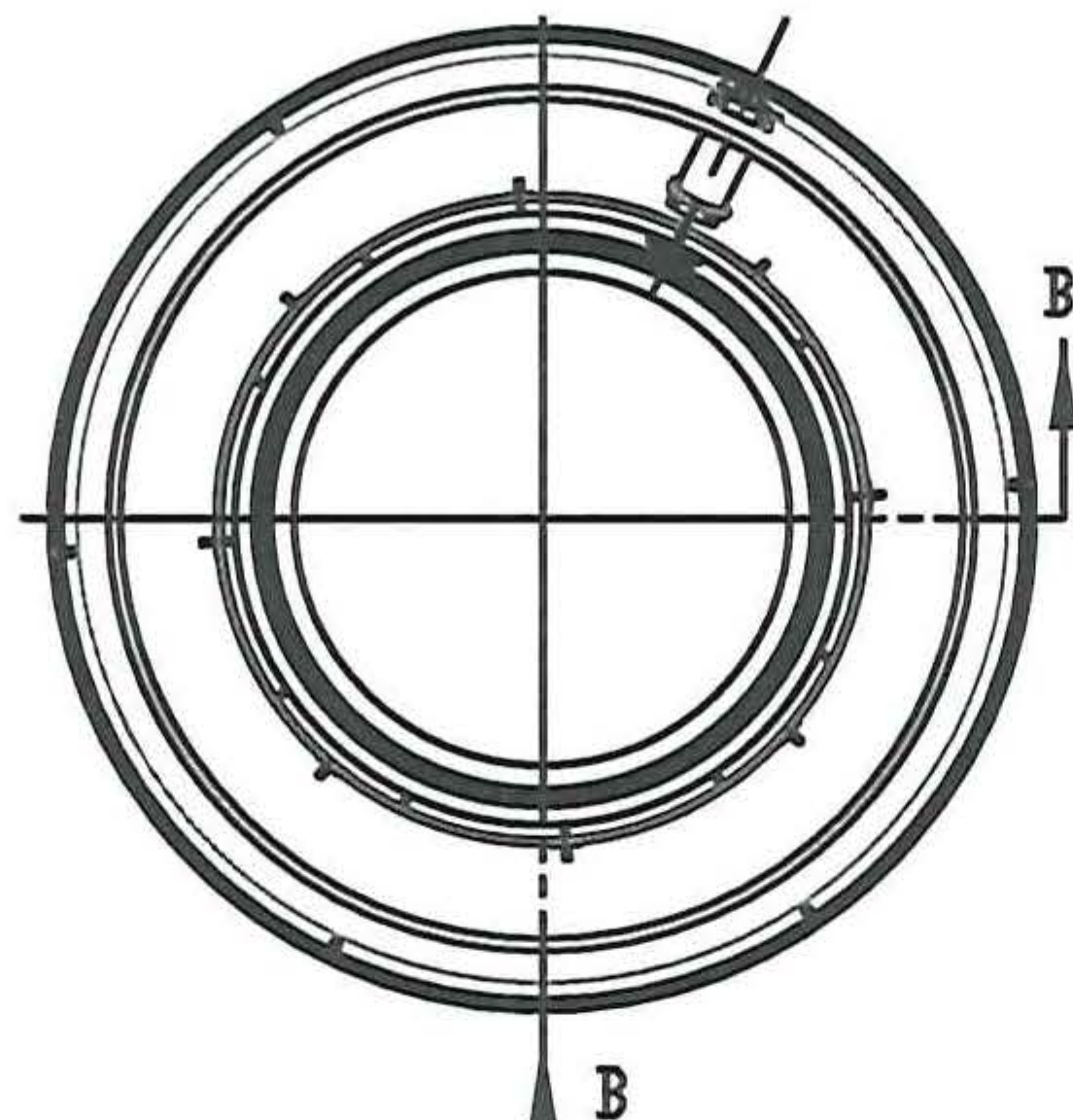
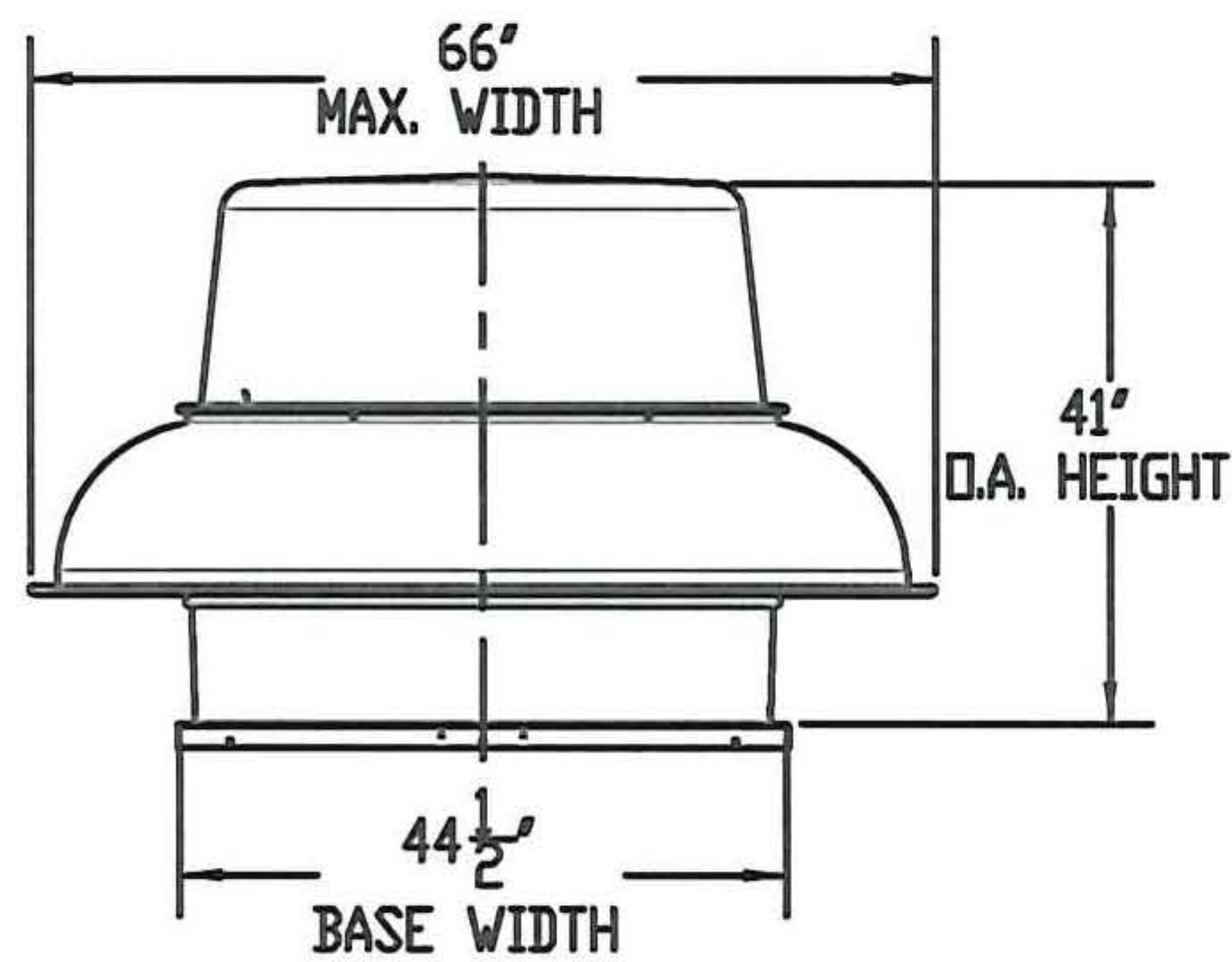
PennBarry 605 Shiloh RD Plano, TX 75074			
Dx DOMEX DOWNBLAST ROOF VENT Fx FUMEX UPBLAST ROOF VENT ELEVATION, TOP VIEW & GENRAL NOTES			
DRAWN	DWG NO.		REV
AMIT	08-00622		
NTS	DATE	SHEET	
	12/07/2016	1 OF 6	

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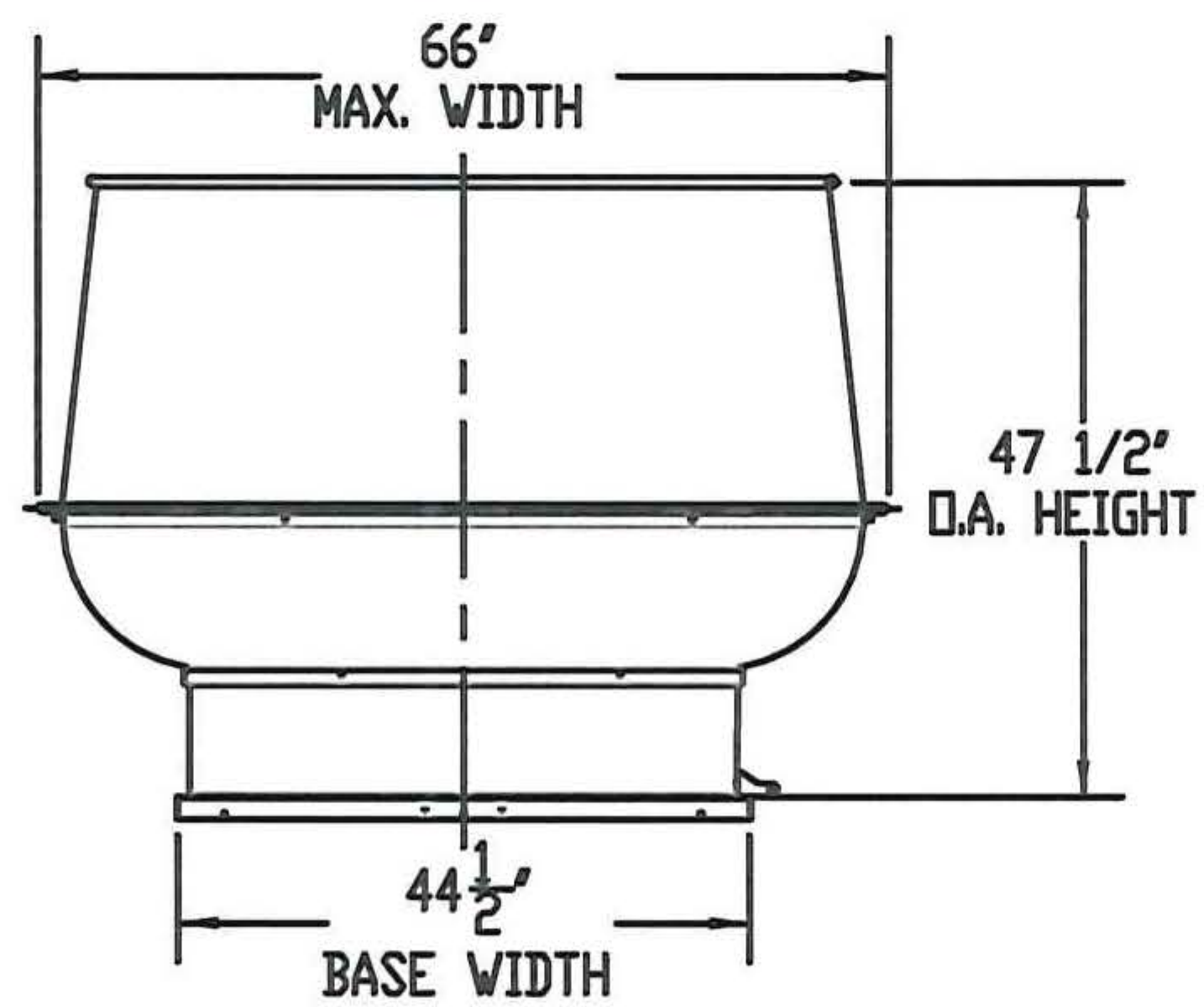
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DX36B DOMEX DOWNBLAST ROOF VENT
TOP VIEW



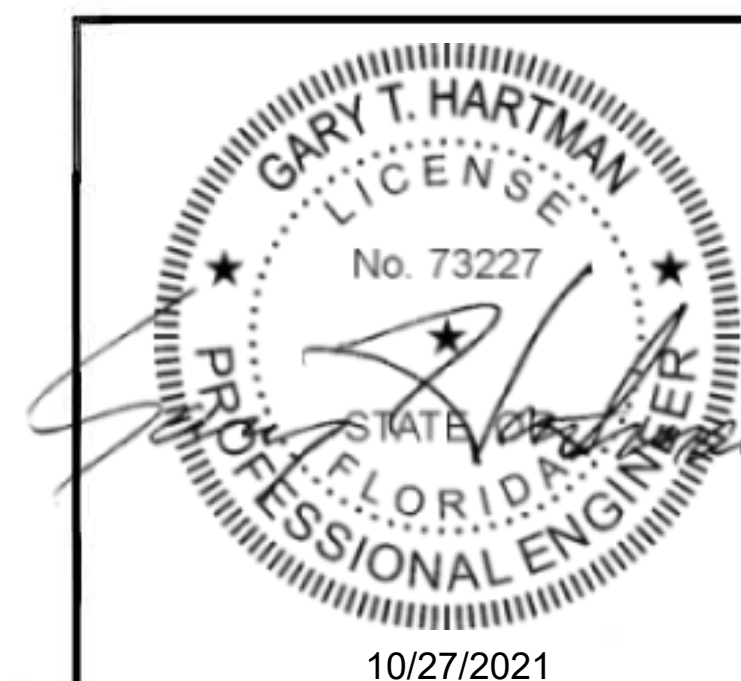
FX36B FUMEX UPBLAST ROOF VENT
TOP VIEW



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	-	-	-

APPROVED MODELS - DOMEX					
MODEL NAME	DRIVE	BASE WIDTH (IN)	MAX. WIDTH (IN)	D.A. HEIGHT (IN)	WEIGHT (LBS)
DX11B	BELT DRIVE	20 1/2	28 1/2	25 7/16	55
DX11Q	DIRECT DRIVE	18 1/2	20 7/8	13 3/8	40
DX12B / DX14B	BELT DRIVE	24 3/4	33 1/2	29	98
DX16B / DX18B	BELT DRIVE	28 1/2	39	31	132
DX16V	DIRECT DRIVE	20 1/2	28 1/2	22 1/2	56
DX18V	DIRECT DRIVE	28 1/2	39	31	78
DX24B	BELT DRIVE	33 1/2	46	33	183
DX27B / DX30B	BELT DRIVE	36 1/2	53 1/2	35	210
DX36B	BELT DRIVE	44 1/2	66	41	420

APPROVED MODELS - FUMEX					
MODEL NAME	DRIVE	BASE WIDTH (IN)	MAX. WIDTH (IN)	D.A. HEIGHT (IN)	WEIGHT (LBS)
FX08B / FX10B	BELT DRIVE	24 3/4	35	28 3/4	96
FX13B					110
FX14B					112
FX08R	DIRECT DRIVE	18 1/2	25	14 1/8	29
FX10R					32
FX13Q					52
FX16B / FX18B	BELT DRIVE	28 1/2	39	31	145
FX16Q	DIRECT DRIVE	20 1/2	30 3/4	22 3/8	71
FX18Q	DIRECT DRIVE	28 1/2	39	31	87
FX24B	BELT DRIVE	33 1/2	46	34 1/2	190
FX30B	BELT DRIVE	36 1/2	53 1/2	35 1/2	219
FX36B	BELT DRIVE	44 1/2	66	47 1/2	470



PennBarry 605 Shiloh RD Plano, TX 75074

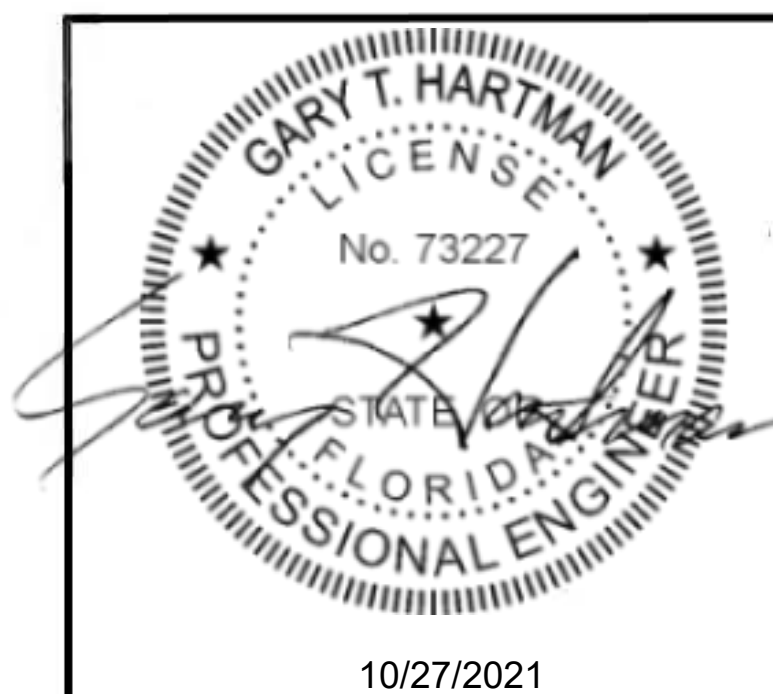
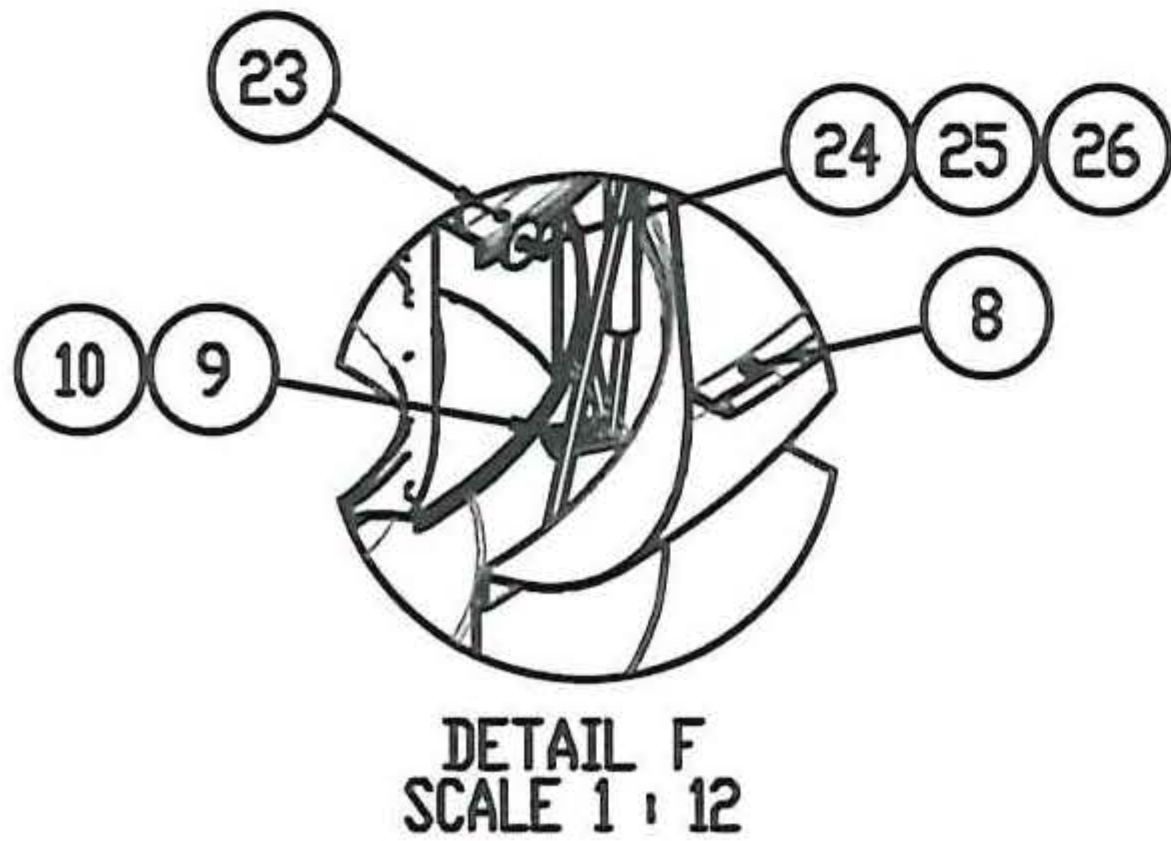
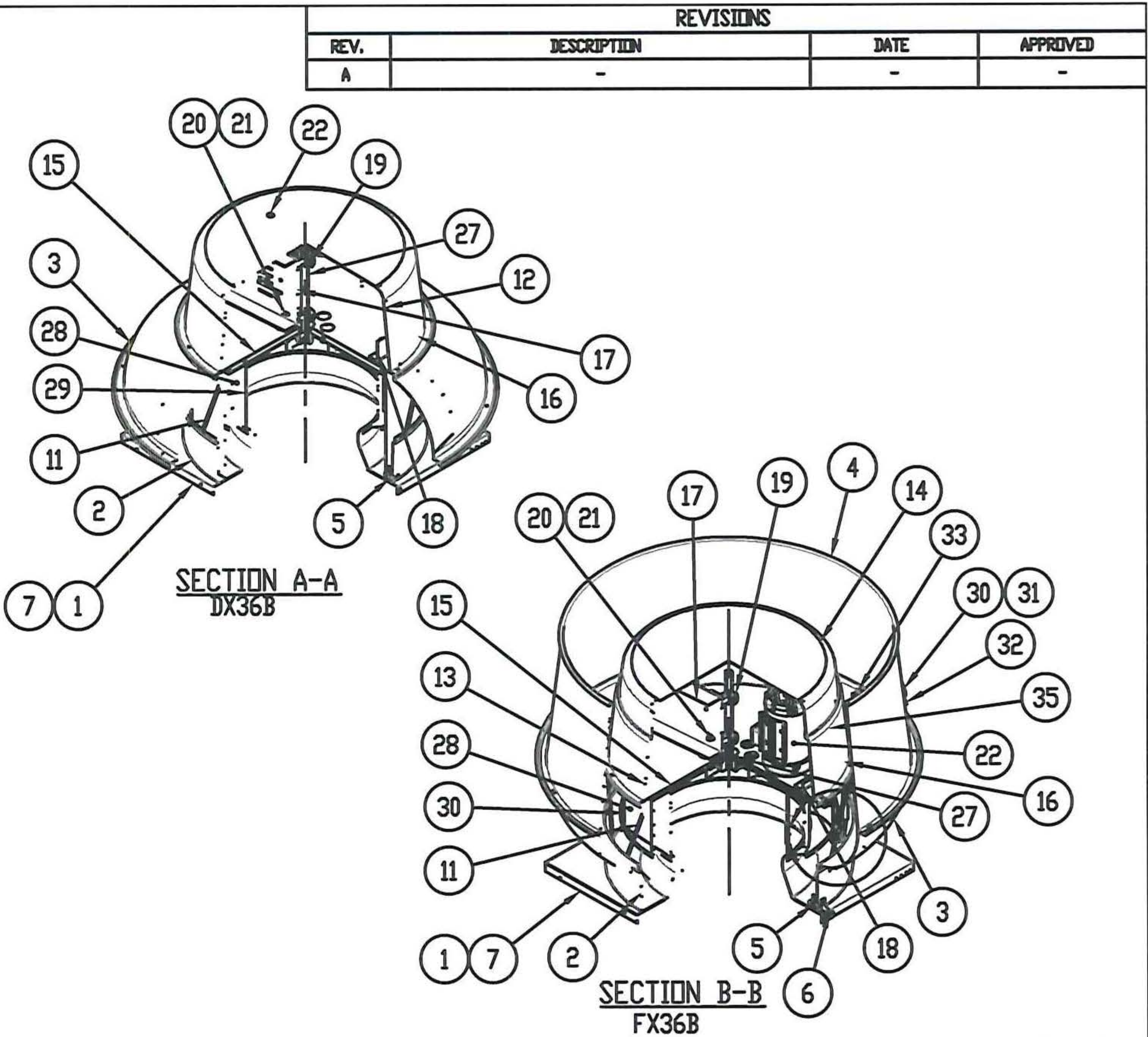
Dx DOMEX DOWNBLAST ROOF VENT
Fx FUMEX UPBLAST ROOF VENT
ELEVATION, TOP VIEW & DIMENSIONS TABLE

DESIGNED BY	DATE	REV
AMIT	08-00622	
SCALE	DATE	SHEET
NTS	12/07/2016	2 OF 6

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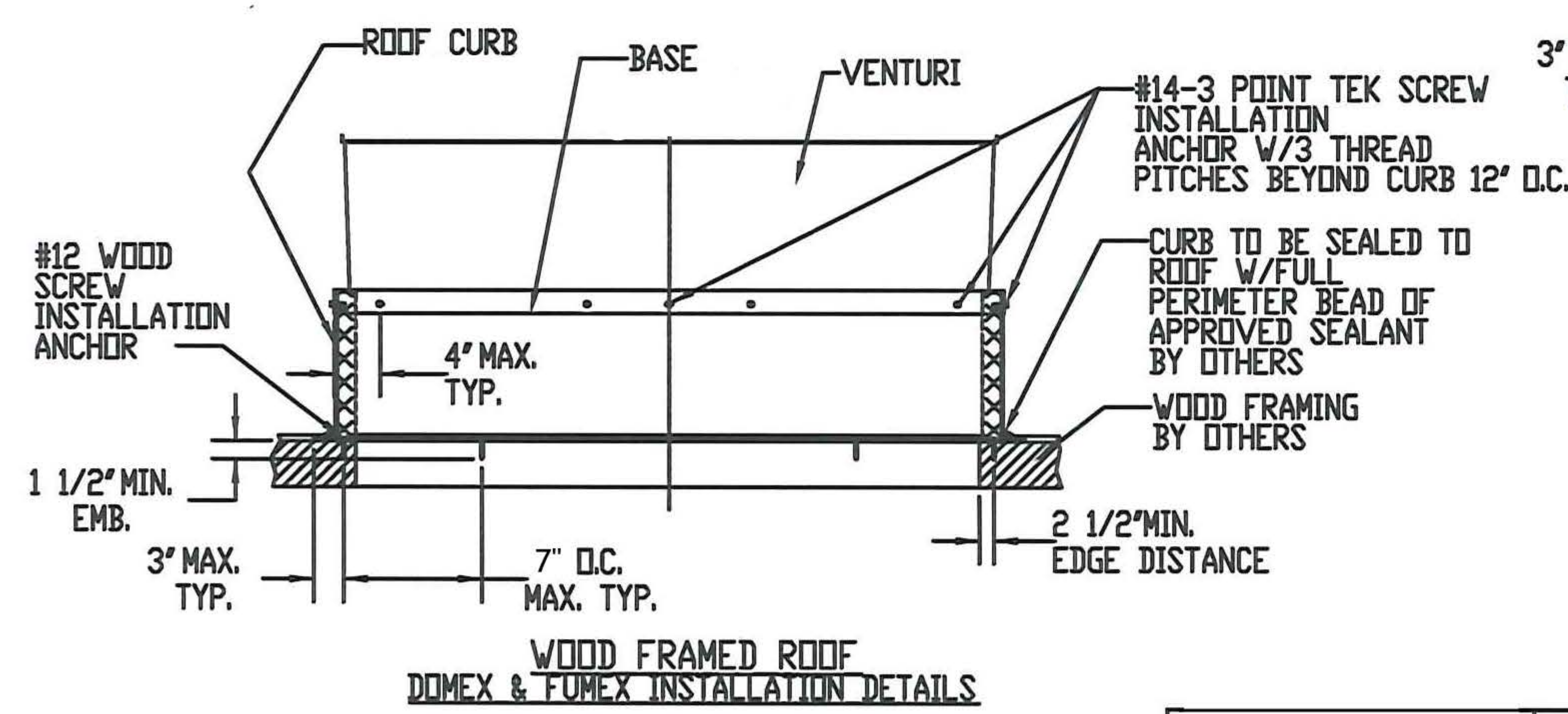
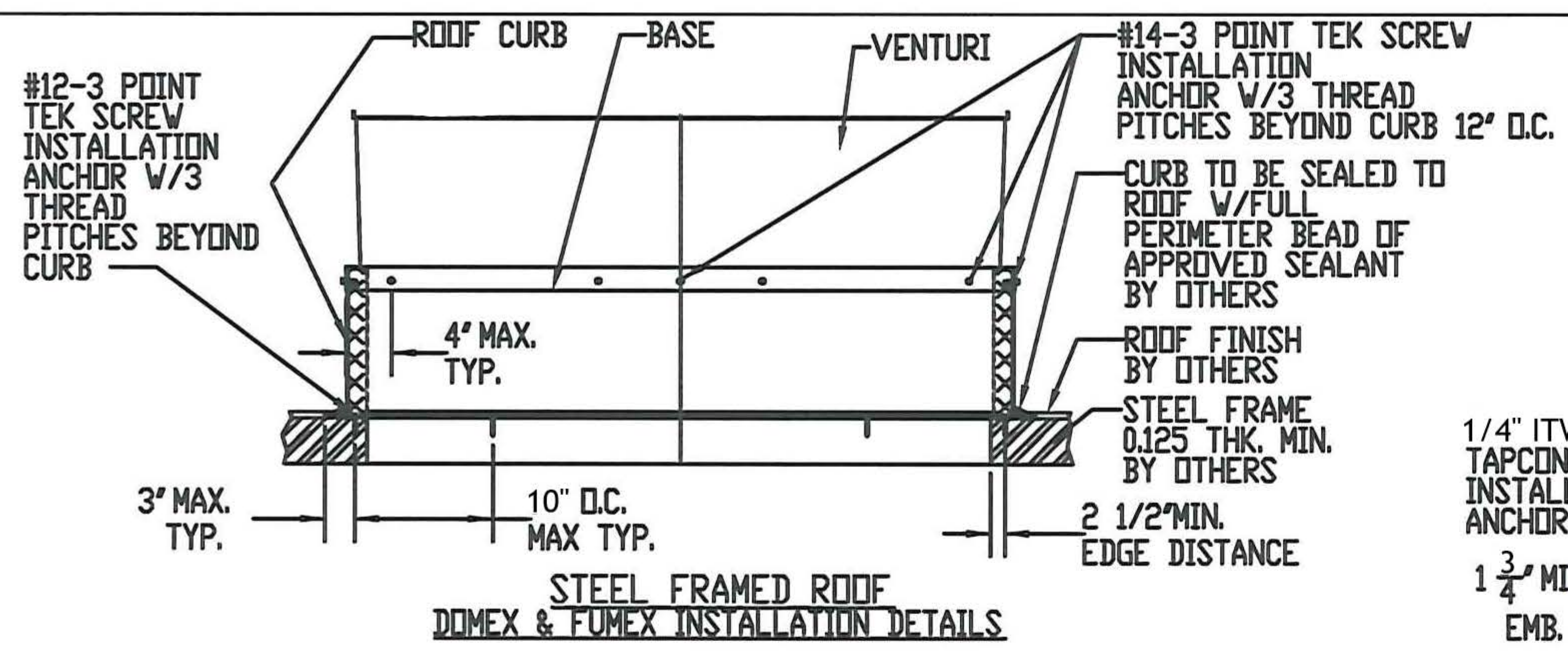
ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	16006-1	OPTIONAL BASE	PENNBARRY	G-90 GALV. STEEL
2	16036-0	VENTURI	PENNBARRY	ALUMINUM 1100-0
3	16128-0	DISCHARGE APRON	PENNBARRY	ALUMINUM 1100-0
4	16153-0	WINDBAND	PENNBARRY	ALUMINUM 1100-0
5	18380-0	WIRE BRACE CLIP	LEESON	G-90 GALV. CRS
6	16392-0	DRAIN SPOUT	PENNBARRY	ALUMINUM 1100-H14
7	16006-0	BASE	PENNBARRY	ALUM 3003-H14
8	55696-0	1/4-20 X 3/4" HEX. SERRATED FLANGE SCREW	ILS	SAE J995 GRADE 5
9	55500-0	1/4-20 SERRATED FLANGE NUT	ILS	SAE J995 GRADE 2
10	55640-0	1/4-20 PEM HIGH STRENGTH STUD	ILS	STEEL
11	16255-0	WIRE SUPPORT	RACINE IRON & WIRE	G-90 GALV. CRS
12	16178-0	MOTOR HOOD	PENNBARRY	ALUMINUM 1100-0
13	16230-0	HOOD BOTTOM	PENNBARRY	ALUMINUM 1100-0
14	16205-0	HOOD TOP	PENNBARRY	ALUMINUM 1100-0
15	16055-0	TOP PLATE	PENNBARRY	ALUMINUM 1100-0
16	63010-0	VIBRATION ISOLATOR	ELECTROLINE CORP.	SANTOPRENE
17	16304-0	MOTOR MOUNTING PLATE	PENNBARRY	G-90 GALV. CRS
18	16280-0	MOTOR SUPPORT ANGLE	PENNBARRY	G-90 GALV. STEEL
19	57091-0	BEARING	POWER RITE	CAST IRON
20	55510-0	1/2-13 SERRATED FLANGE NUT	ILS	ZINC COATED STEEL
21	55601-0	1/2-13 x 1 1/2" HEX. SERRATED FLANGE SCREW	ILS	SAE J429 GRADE 2
22	MOTOR	MOTOR	-	-
23	55940-0	1/4" BODY DIA. POP RIVET	-	ZINC COATED STEEL
24	55514-0	5/16-18 X 1 1/2" HEX. SERRATED FLANGE SCREW	ILS	SAE J429 GRADE 2
25	55501-0	5/16-18 SERRATED LARGE FLANGE NUT	ILS	SAE J995 GRADE 2
26	55541-0	VASHER 1/8"x3/8"x1 3/4"	ILS	ZINC PLATED STEEL
27	03348-0	SHAFT	DEM CORP.	CD 1045 STEEL
28	21179-0	FAN WHEEL	PENNBARRY	ALUMINUM, VARIOUS
29	13386-0	WHEEL BACK PLATE	PENNBARRY	-
30	13027-0	WHEEL BLADE	PENNBARRY	-
31	13029-1	WHEEL PLATE	PENNBARRY	-
32	16405-0	COOLING TUBE ASSY.	PENNBARRY	ALUMINUM 6005-T5
33	16406-0	COOLING TUBE	PENNBARRY	ALUMINUM 6005-T5
34	55286-0	COTTER PIN	ILS	ANSI D 18.8.1
35	63043-0	GROMMET	RUBBERMILL	BLACK SILICONE
36	18285-0	HORIZONTAL BRACE	PENNBARRY	G-90 GALV. STEEL
37		ROOF CURB (OPTIONAL)	RPS	G-90 GALV. STEEL
36		ROOF CURB	WARD INDUSTRIES	ALUM 3003-H14



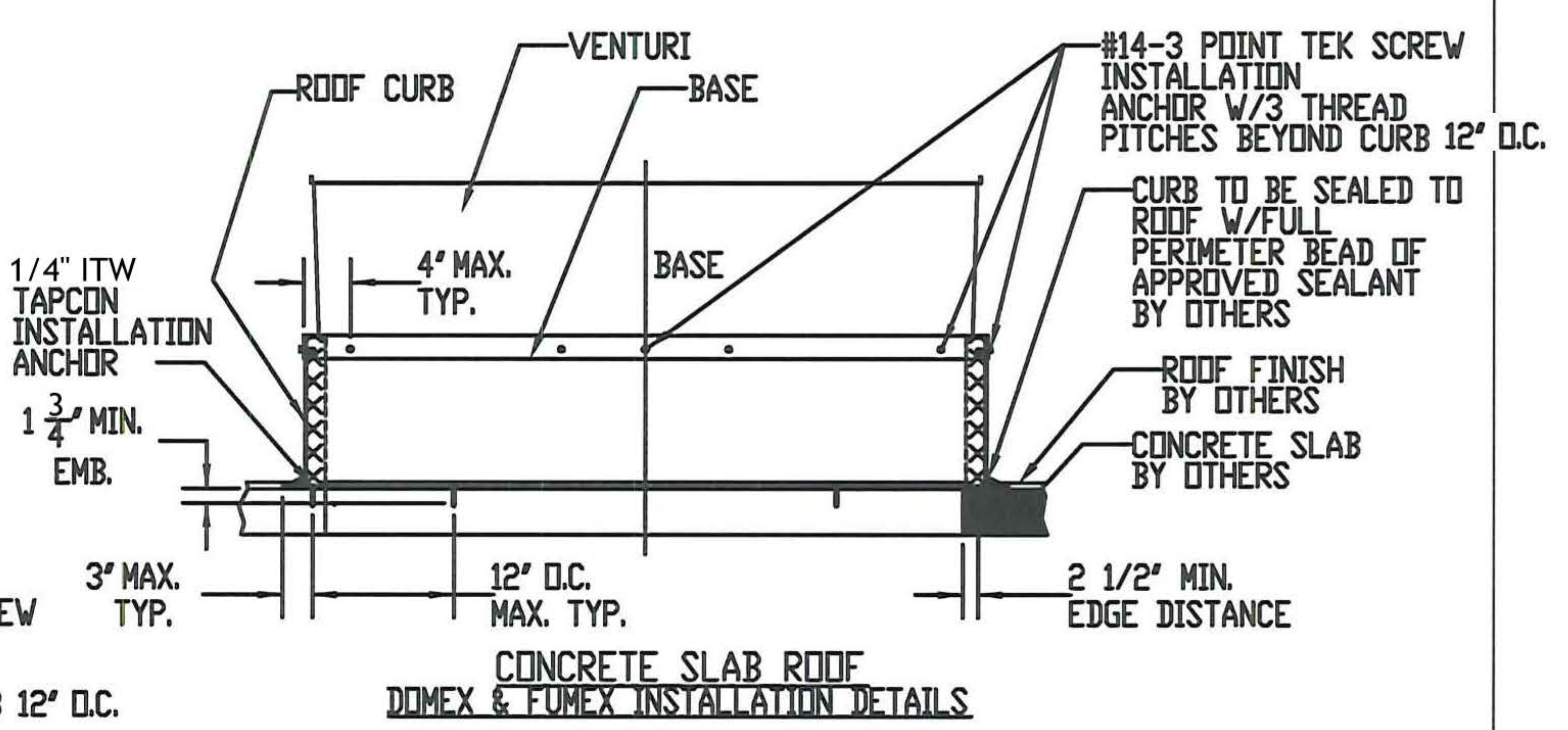
PennBarry 605 Shiloh RD Plano, TX 75074		
Dx DOMEX DOWNBLAST ROOF VENT Fx FUMEX UPBLAST ROOF VENT B.O.M. & SECTIONS		
DESIGNED AMIT	DWG NO. 08-00622	REV
SCALE NTS	DATE 12/07/2016	SHEET 3 OF 6

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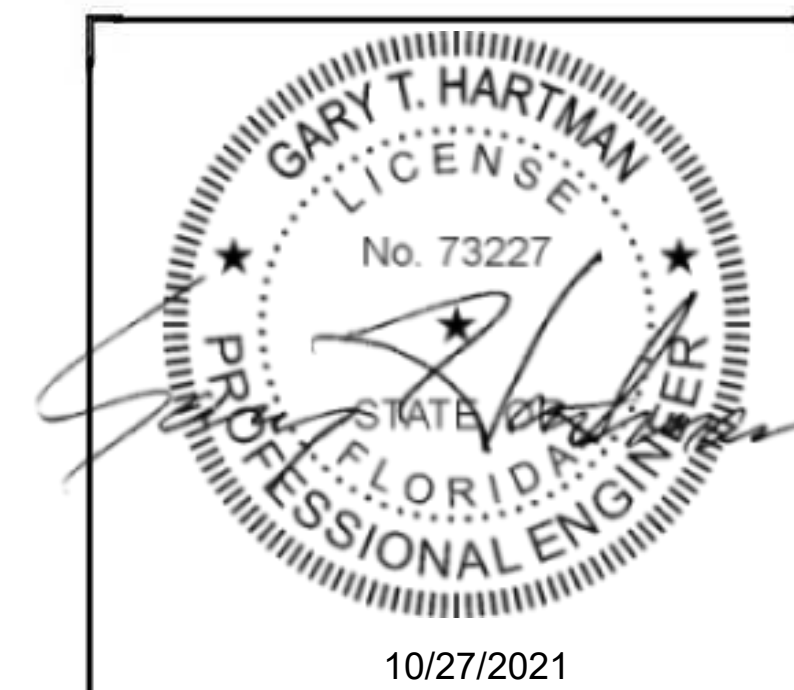
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	REDUCED ANCHOR SPACING	10/20/2021	GH



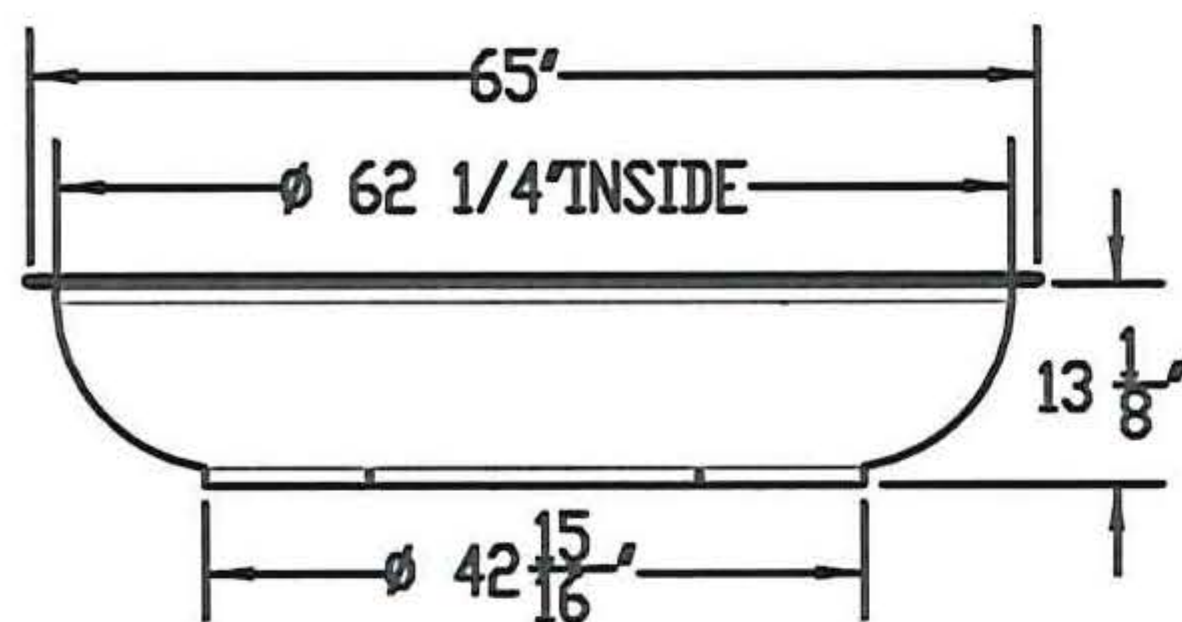
- NOTES:
1. ALL FOUR SIDES OF CURB AND BASE ARE ANCHORED IDENTICALLY.
 2. ROOF CURB IS INSTALLED TO ROOF FIRST. FAN IS THEN MOUNTED TO CURB USING #14-3POINT TEK SCREWS AS SHOWN ABOVE.
 3. SEE SHEET 5, COMPONENTS FOR ROOF CURB CONSTRUCTION.
 4. UNITS MAYBE INSTALLED WITH ITEM 34, ALUMINIUM 3003-H14 CURB OR ITEM 30, GALVANIZED STEEL CURB.
 5. UNITS MAY BE INSTALLED WITH ITEM 35, ALUMINIUM 3003-H14 BASE OR ITEM , GALVANIZED STEEL BASE.



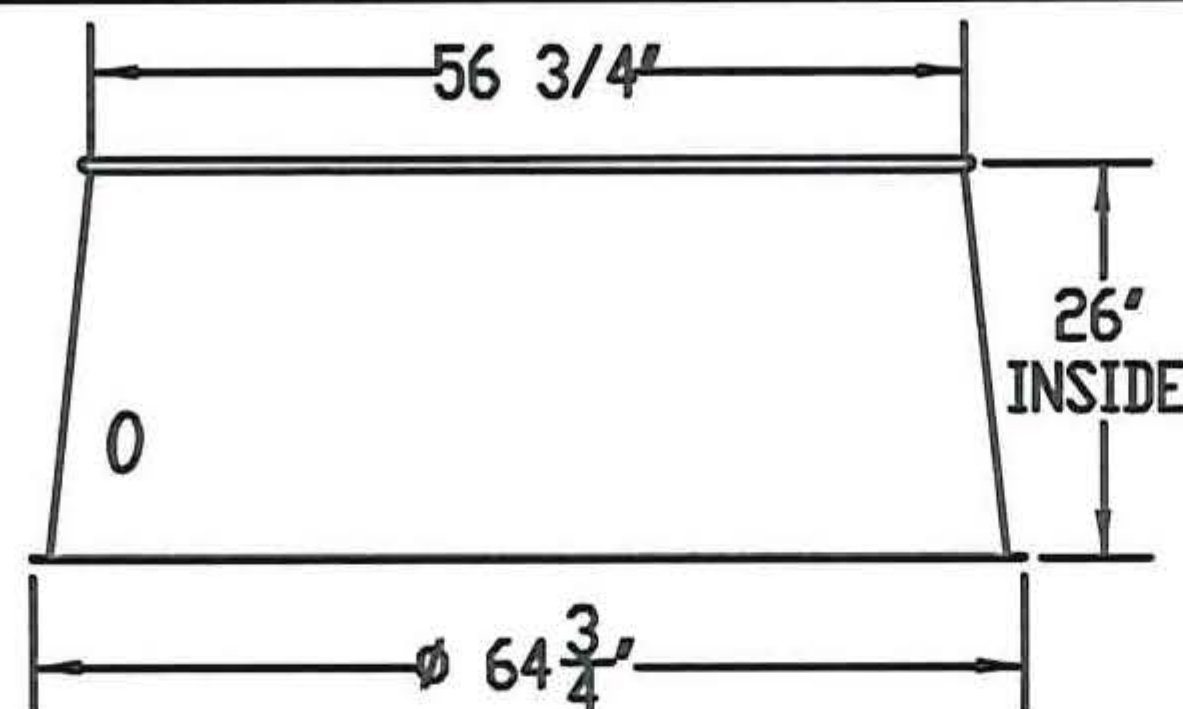
PennBarry 605 Shiloh RD Plano, TX 75074		
Dx DOMEX DOWNBLAST ROOF VENT Fx FUMEX UPBLAST ROOF VENT INSTALLATION DETAILS		
GROUP AMIT	DWG NO. 08-00622	REV
SCALE NTS	DATE 12/07/2016	SHEET 4 OF 6

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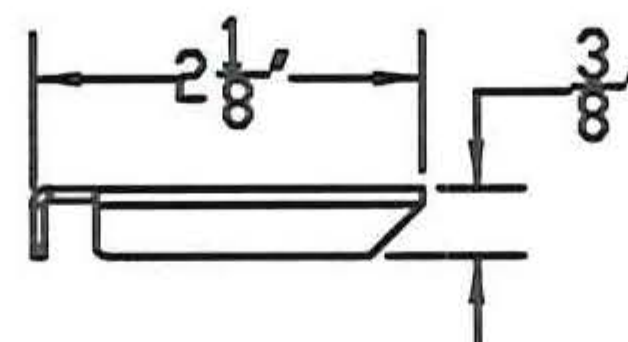
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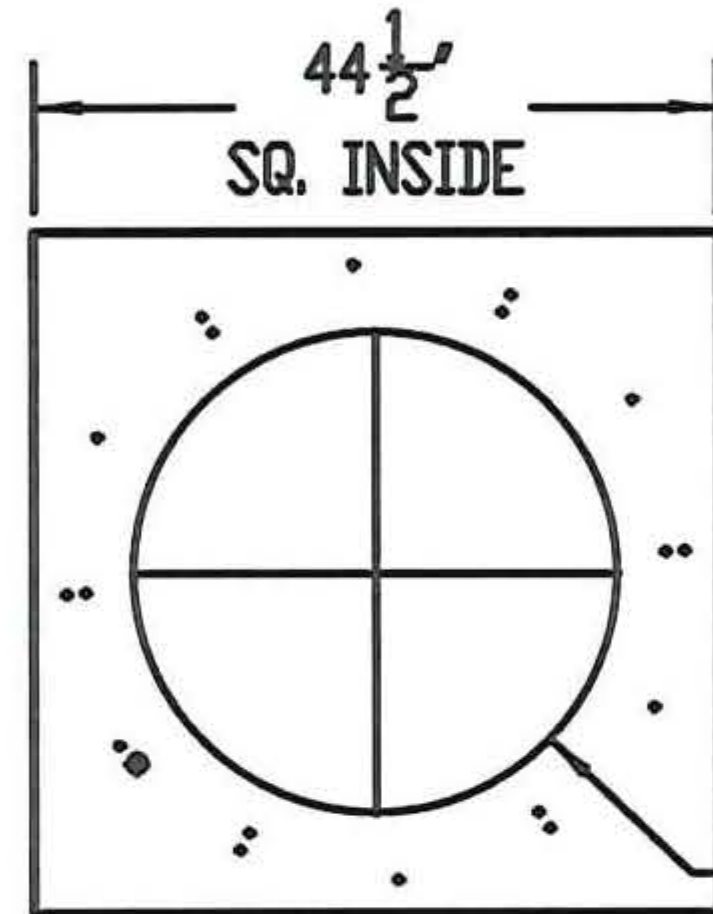
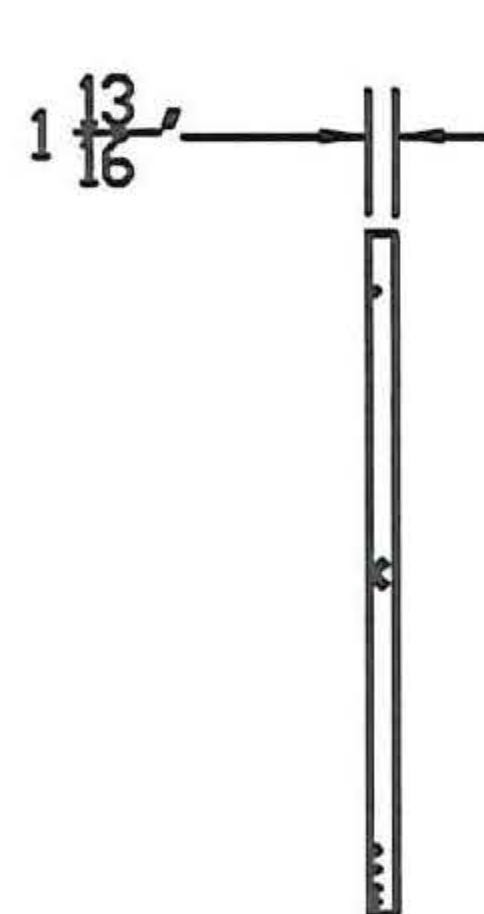
DISCHARGE APRON
0.080" THK. 1100-O ALUM.



WIND BAND
0.055" THK. 1100-O ALUM.



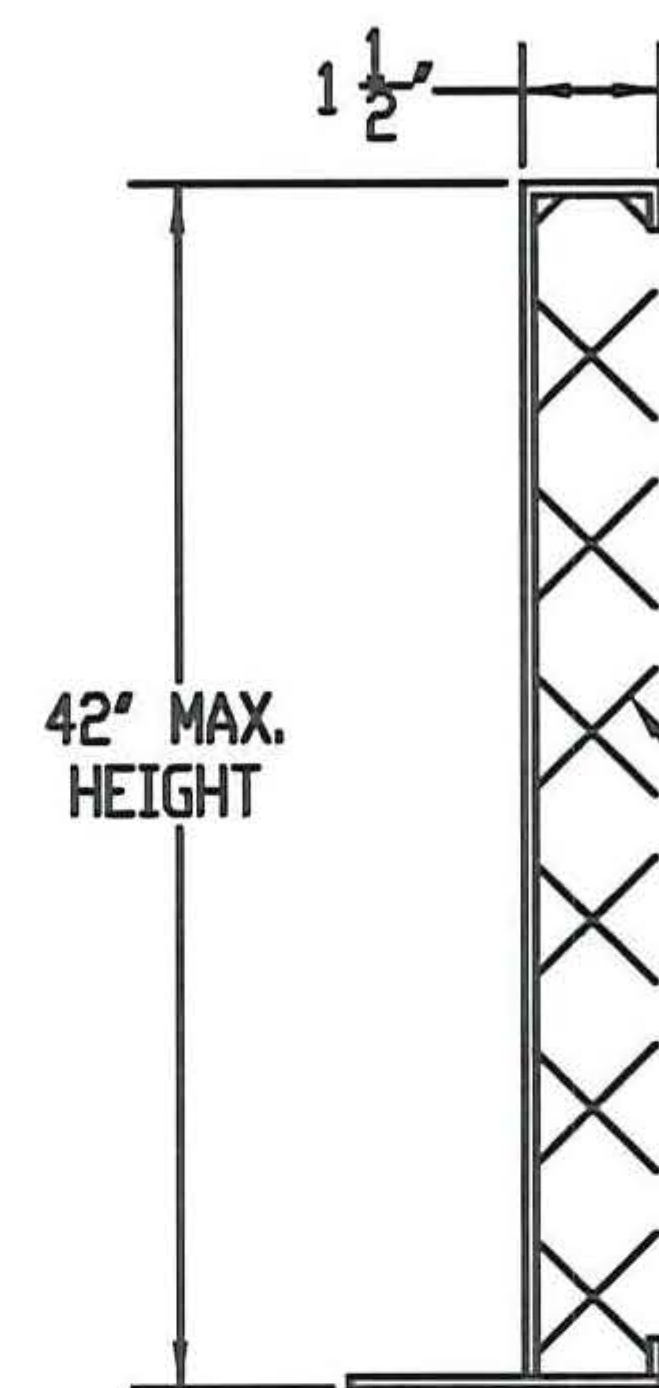
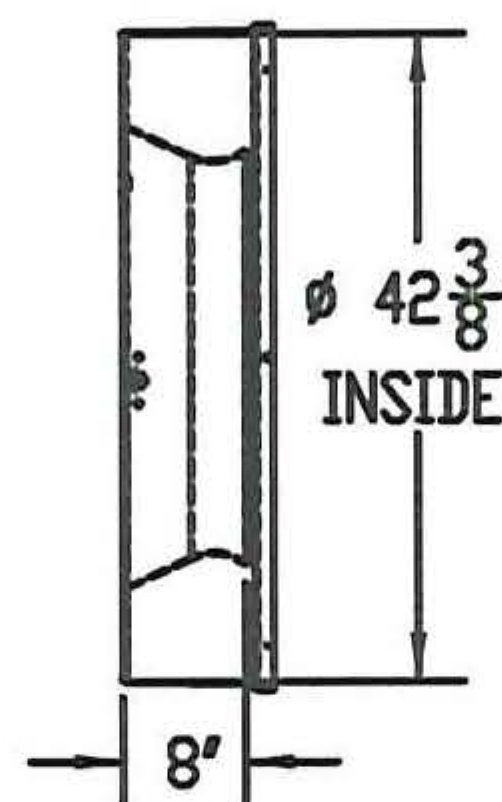
WIRE BRACE CLIP
0.064" THK. G-90 GALV. STEEL



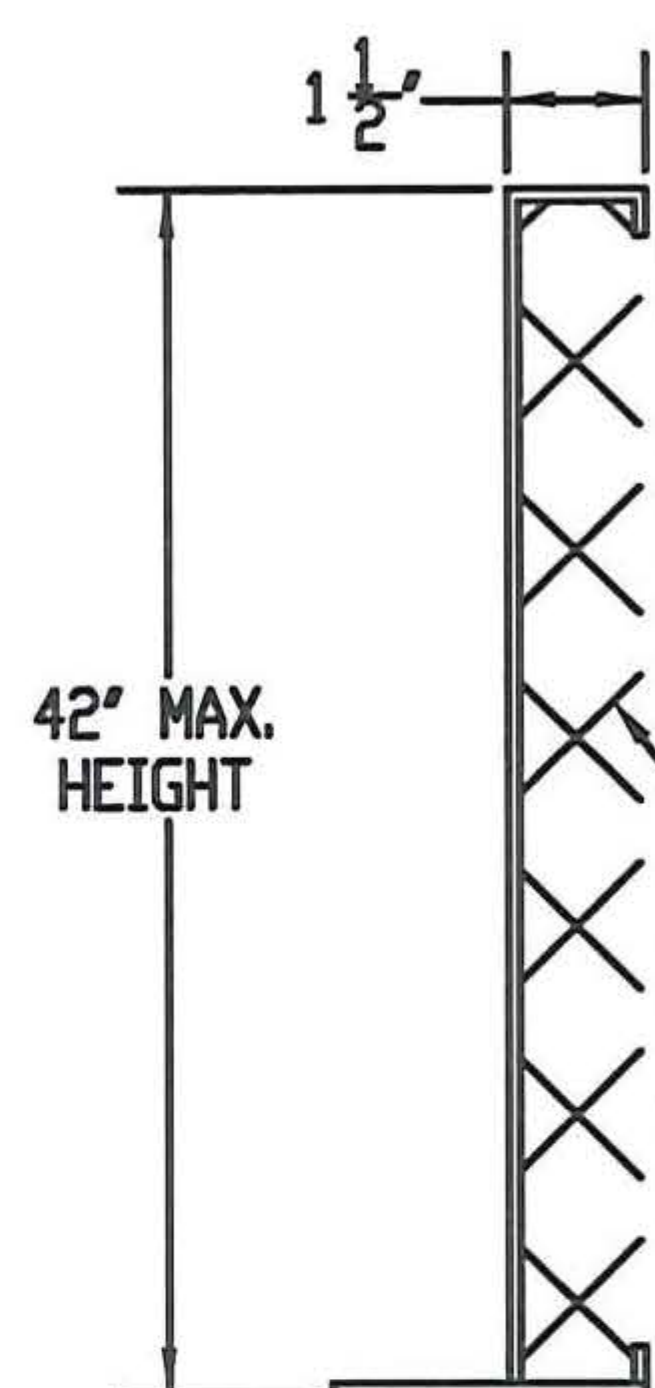
OPTIONAL BASE
0.1084" THK. G-90 GALV. STEEL
MI VALUE : X=984.7883
Y=0.3713



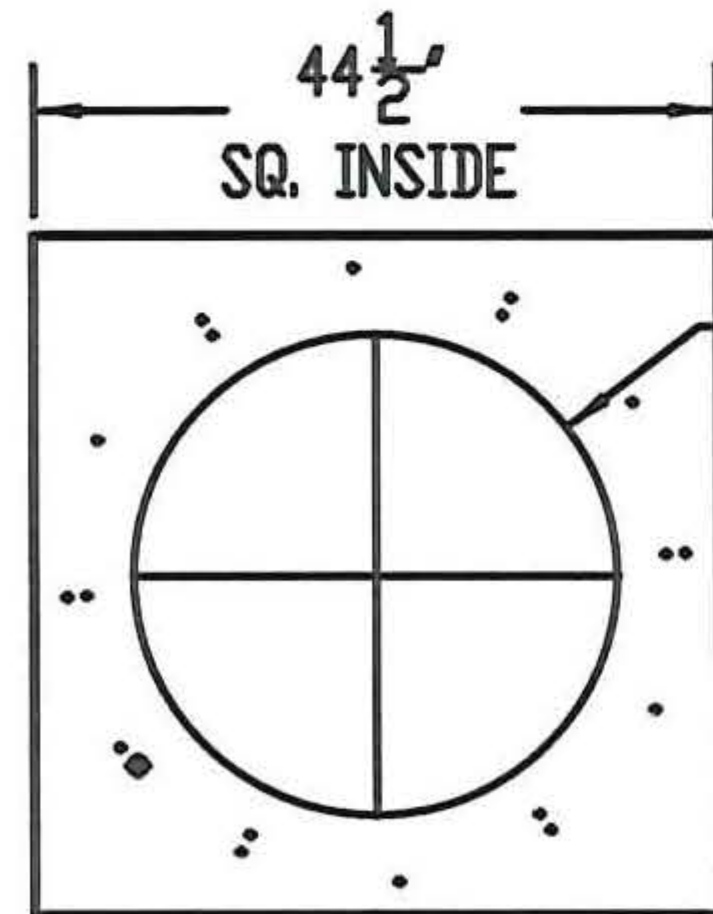
VENTURI
0.064" THK. 1100-O ALUM.



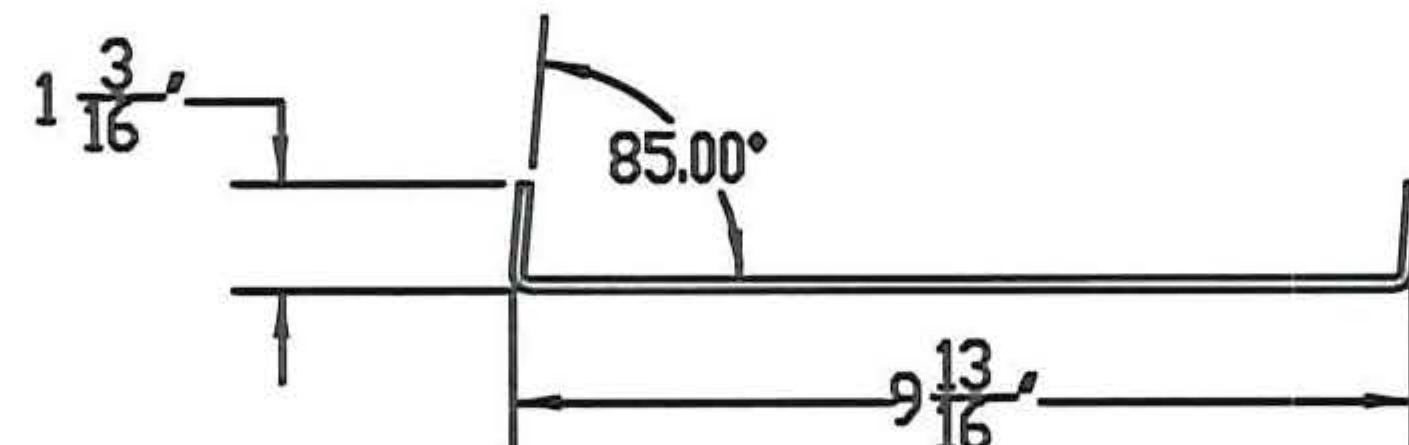
OPTIONAL ROOF CURB
ALUMINIUM 3003-H14 10GA, 0.125" THK.
MI VALUE : X= 51.1390
Y=0.7384



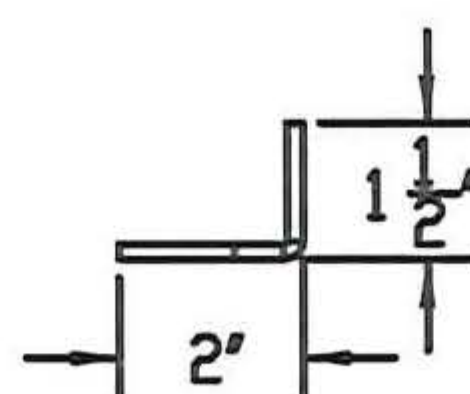
ROOF CURB
18GA G-90 GALV. STEEL
MI VALUE : X= 20.5405
Y=0.3060



BASE
0.102" THK. ALUMINIUM 3003-H14
MI VALUE : X=927.2038
Y=0.3508



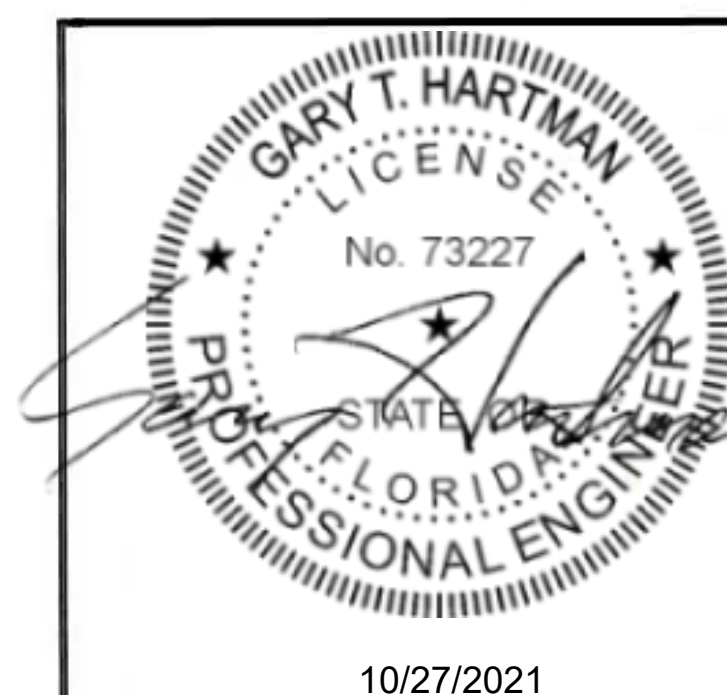
HORIZONTAL BRACE
0.138" THK. G-90 GALV. STEEL



MOTOR SUPPORT ANGLE
0.138" THK. G-90 GALV STEEL

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	-	-	-

NOTES:
THICKNESSES SHOWN FOR DISCHARGE APRON & VENTURI ARE
PRE-SPUN THICKNESSES.



PennBarry 605 Shiloh RD Plano, TX 75074

Dx DOMEX DOWNBLAST ROOF VENT
Fx FUMEX UPBLAST ROOF VENT
COMPONENTS

DRAWN	DWG NO.	REV
AMIT	08-00622	
NTS	DATE	SHEET
	12/07/2016	5 OF 6

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