

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUKPS	05/29/2019	-

NOTES:

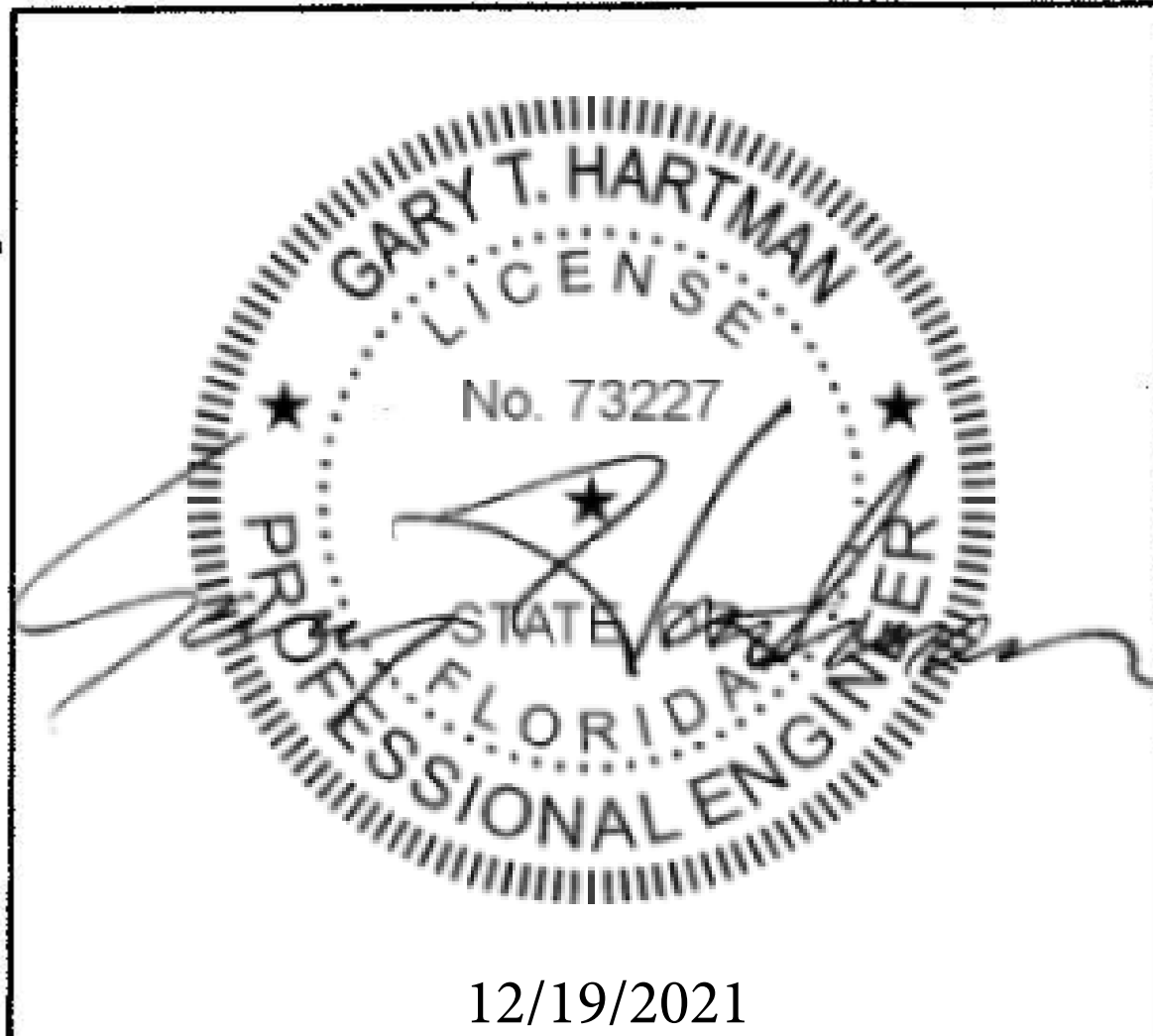
1. THIS PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD AND METAL FRAMING AND CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCTRTE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4. 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.
5. FOR ANCHORING INTO WOOD FRAMING USE #12 WOOD SCREWS (2" EMBEDMENT, 1 5/8" THREAD ENGAGEMENT) WITH ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEETS 6, 7, & 8.
6. FOR ANCHORING INTO UNCRACKED CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEET 6, 7, & 8.
- 6.1 FOR ANCHORING INTO CRACKED CONCRETE USE 1/4" TAPCON+ WITH SUFFICIENT LENGTH TO ACHIEVE A 2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEET 6, 7, & 8.
7. FOR ANCHORING INTO METAL STRUCTURE USE #12 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEET 6, 7, & 8.
8. ALL FASTENERS TO BE CORROSION RESISTANT. UNLESS OTHERWISE NOTED ANCHORS SHALL BE 300 SERIES S.S. COND. CW Fy=65KSI
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF G = 0.55

B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. EOR/ARCH. TO DETERMINE IF CONCRETE IS TO BE CONSIDERED CRACKED OR UNCRACKED.

C. METAL STRUCTURE: STEEL 12 GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM
10. THIS APPROVAL IS FOR STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND / OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.
11. UNITS WERE NOT TESTED FOR WATER PENETRATION PER FBC, TAS 100(A).

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2	ELEVATIONS
3-5	BILL OF MATERIALS, INDIVIDUAL PART DETAILS
6-9	INSTALLATION DETAILS

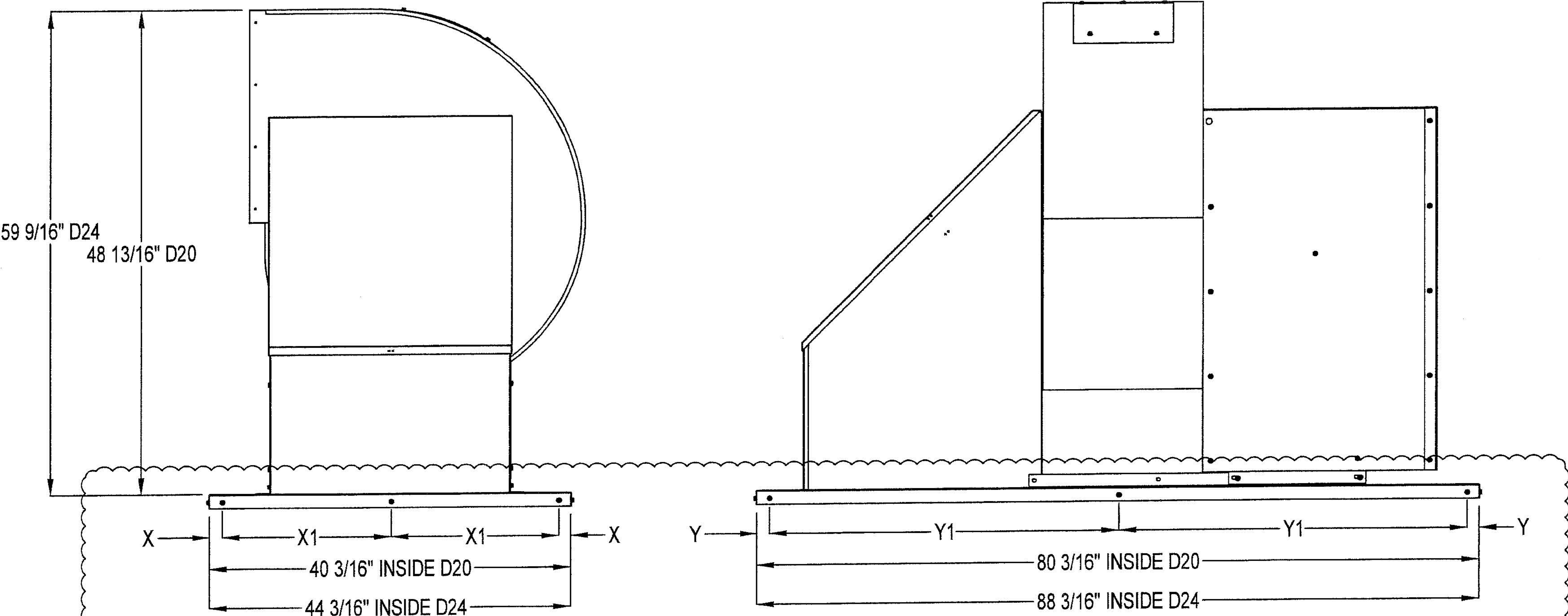


PennBarry 605 Shiloh RD Plano, TX 75074			
DYNAPAK BELT DRIVE MODELS GENERAL NOTES			
DRAWN: IC	DWG NO. 24553-0	REV B	
SCALE NTS	DATE 10/31/2018	SHEET 1 OF 9	

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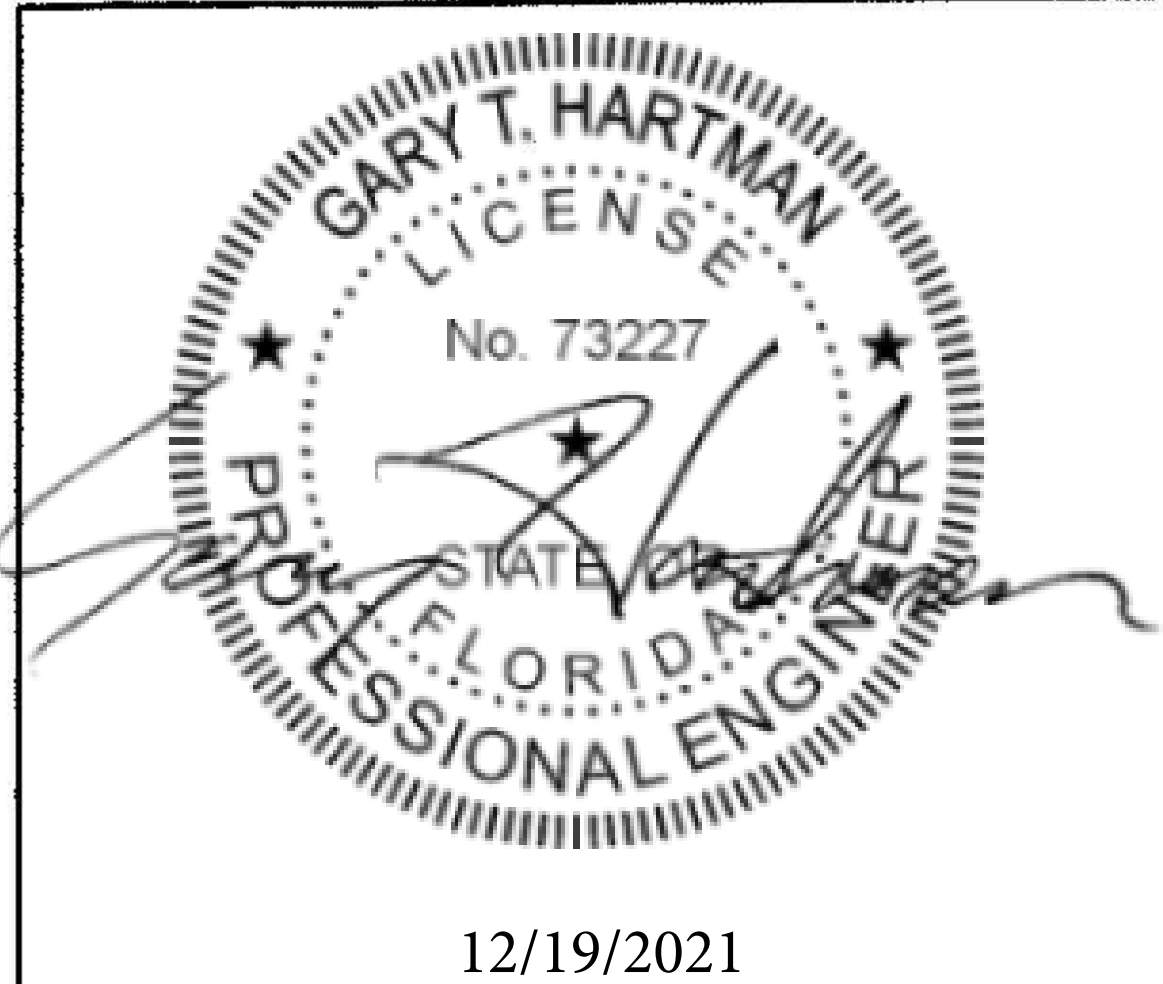


D20DP & D24DP DYNAPAK BELT DRIVE
ELEVATION VIEW

NOTE: SEE SHEET 8 FOR FASTENER
QUANTITIES AND SPACINGS

DESIGN PRESSURE RATING	IMPACT RATING
± 70.0PSF	NONE

MODELS					
NAME	BELT DRIVE				
	WHEEL DIA.	LENGTH	WIDTH	HEIGHT	WEIGHT
D20DP	20	80-3/16	40-3/16	48-13/16	358 lbs
D24DP	24-5/8	88-3/16	44-3/16	59-9/16	573 lbs



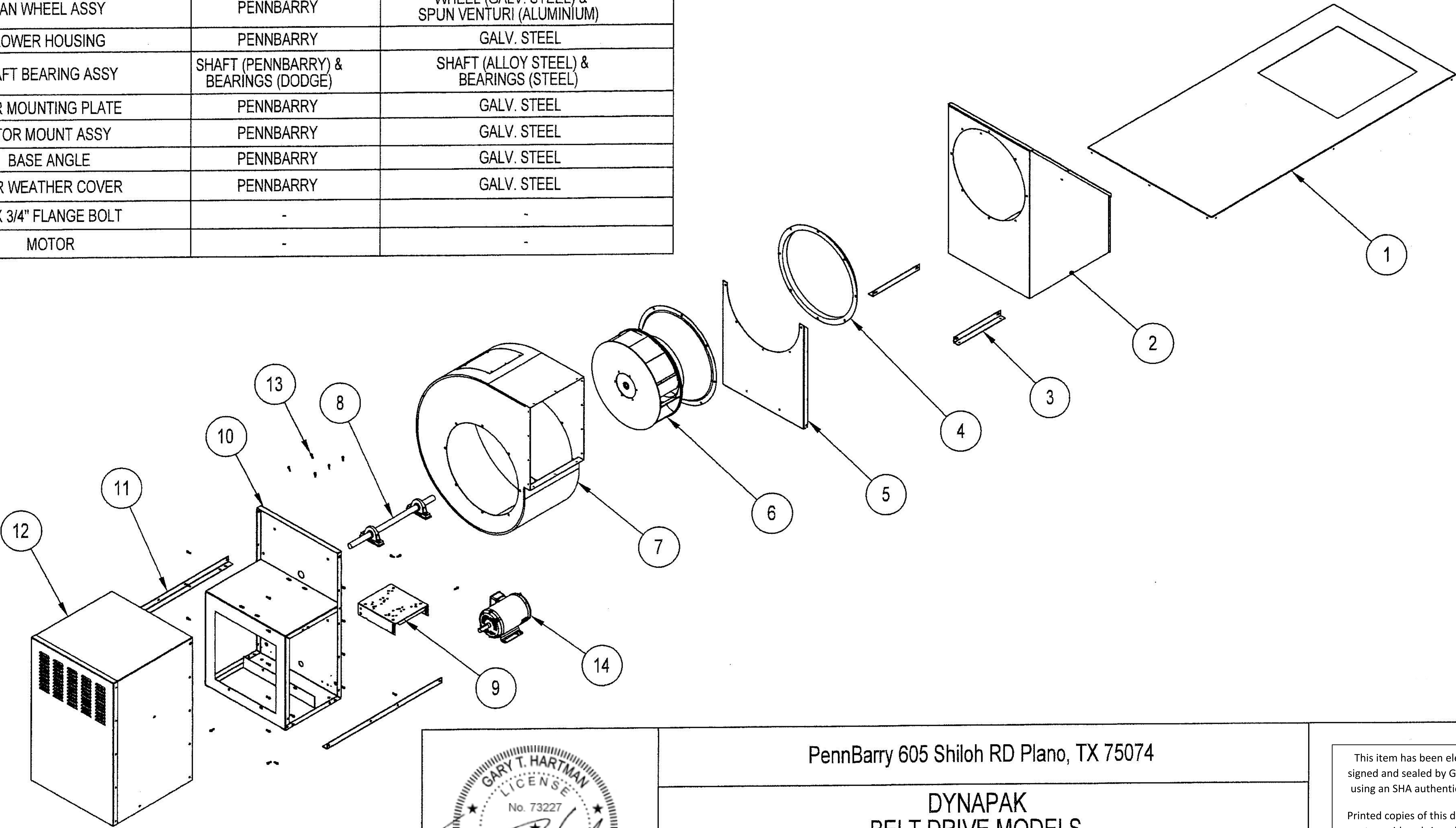
PennBarry 605 Shiloh RD Plano, TX 75074			
DYNAPAK BELT DRIVE MODELS ELEVATIONS			
DRAWN: IC	DWG NO. 24553-0		REV B
SCALE NTS	DATE 10/31/2018	SHEET 2 OF 9	

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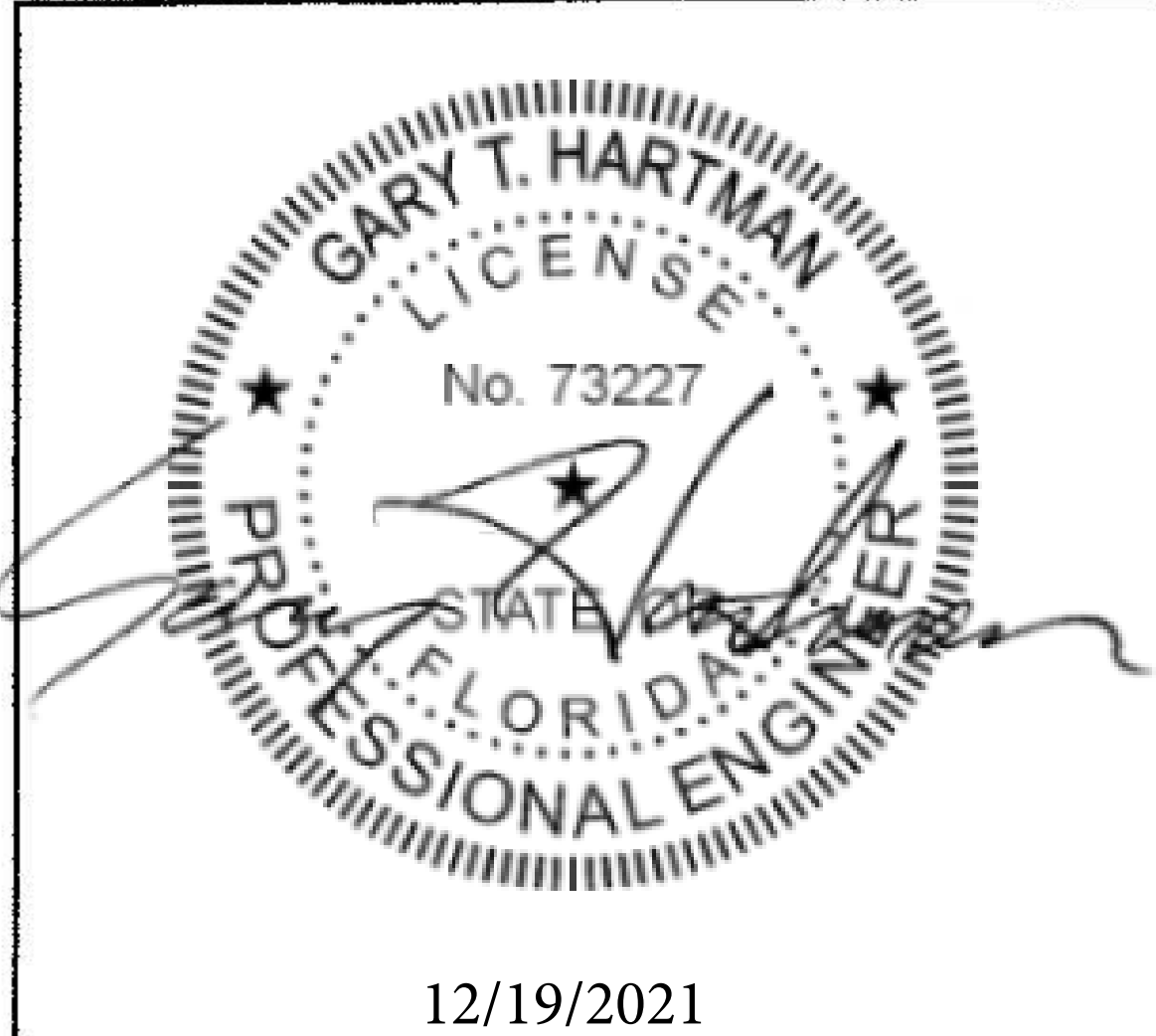
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ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	17216-0	DYNAPAK BASE	PENNBARRY	GALV. STEEL
2	17217-A	INLET	PENNBARRY	GALV. STEEL
3	17221	BASE ANGLES	PENNBARRY	GALV. STEEL
4	10891-8	MOUNTING RING	PENNBARRY	GALV. STEEL
5	10730-1	SHORT VERTICAL SUPPORT	PENNBARRY	GALV. STEEL
6	10814-0	FAN WHEEL ASSY	PENNBARRY	WHEEL (GALV. STEEL) & SPUN VENTURI (ALUMINIUM)
7	16409509	BLOWER HOUSING	PENNBARRY	GALV. STEEL
8	26827-9	SHAFT BEARING ASSY	SHAFT (PENNBARRY) & BEARINGS (DODGE)	SHAFT (ALLOY STEEL) & BEARINGS (STEEL)
9	10737-1	MOTOR MOUNTING PLATE	PENNBARRY	GALV. STEEL
10	26169-0	MOTOR MOUNT ASSY	PENNBARRY	GALV. STEEL
11	10890-1	BASE ANGLE	PENNBARRY	GALV. STEEL
12	10602-0	MOTOR WEATHER COVER	PENNBARRY	GALV. STEEL
13	55852-0	1/4"-20 X 3/4" FLANGE BOLT	-	-
14	D24-MOTOR	MOTOR	-	-

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B	-	10/31/2018	RC, DHR



NOTES:
SAMPLE SHOWN FOR D24 BELT DRIVE DYNAPAK



12/19/2021

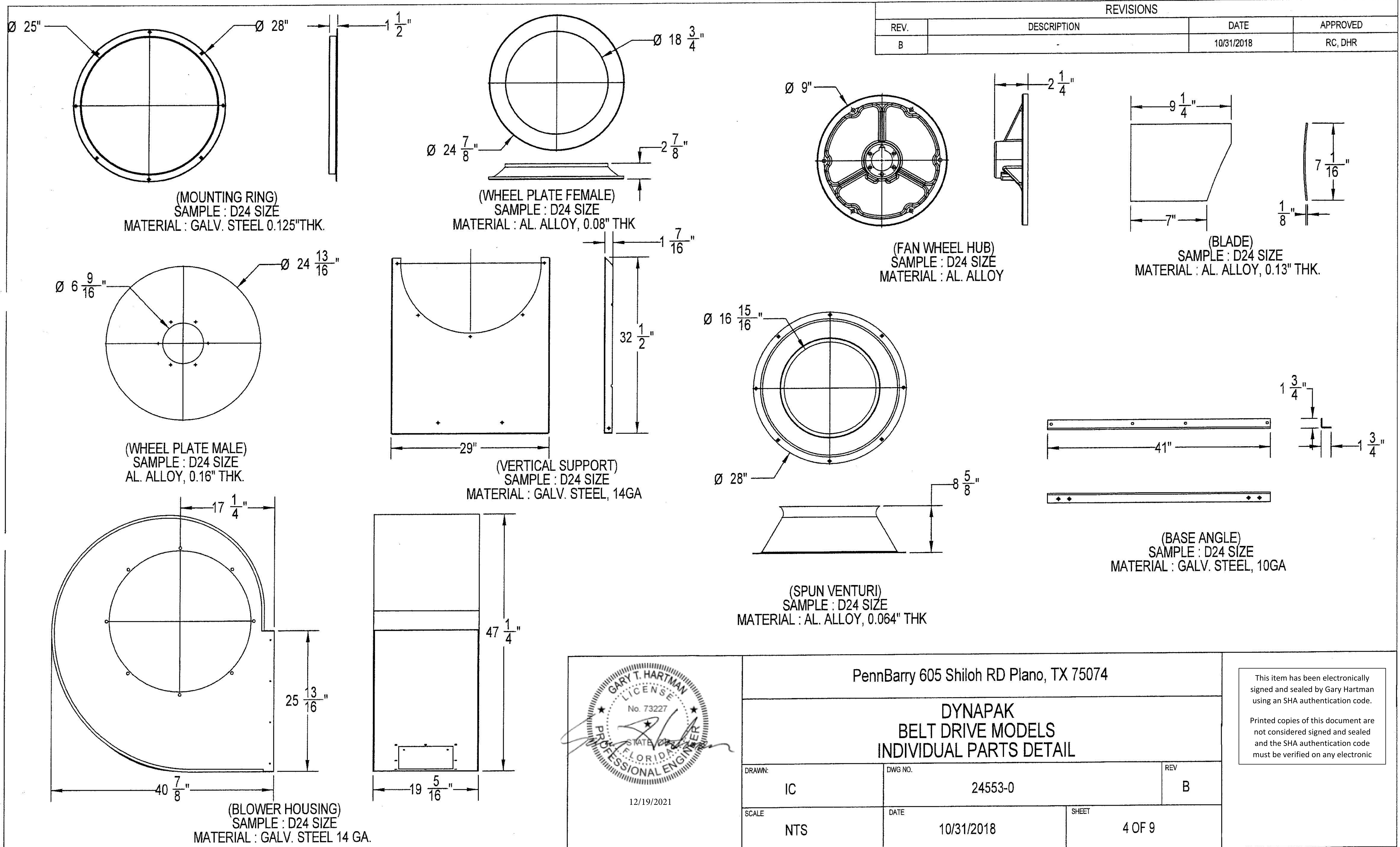
PennBarry 605 Shiloh RD Plano, TX 75074

DYNAPAK
BELT DRIVE MODELS
BELT DRIVE BOM - EXPLODED VIEW

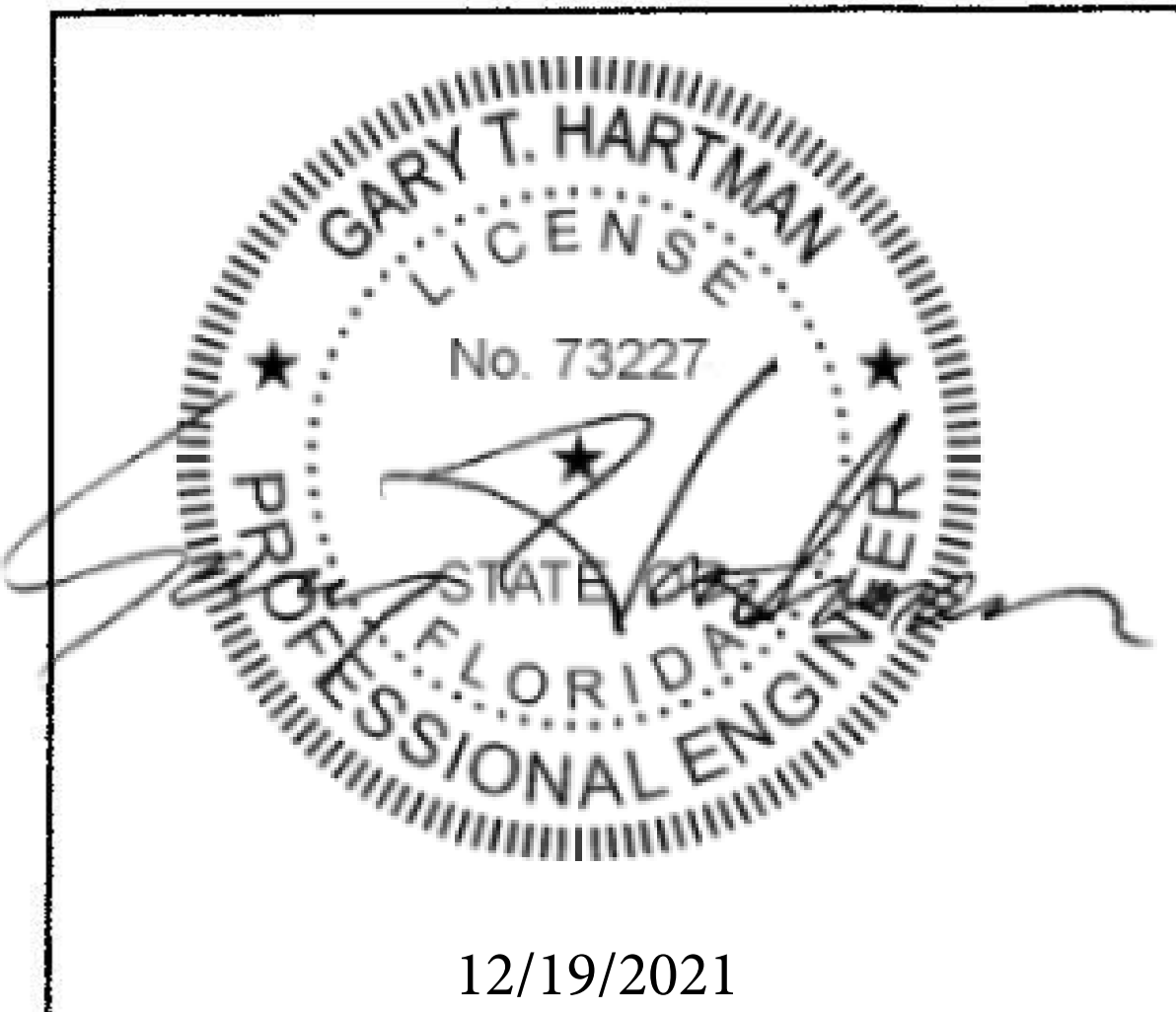
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SCALE NTS	DATE 10/31/2018	SHEET 3 OF 9

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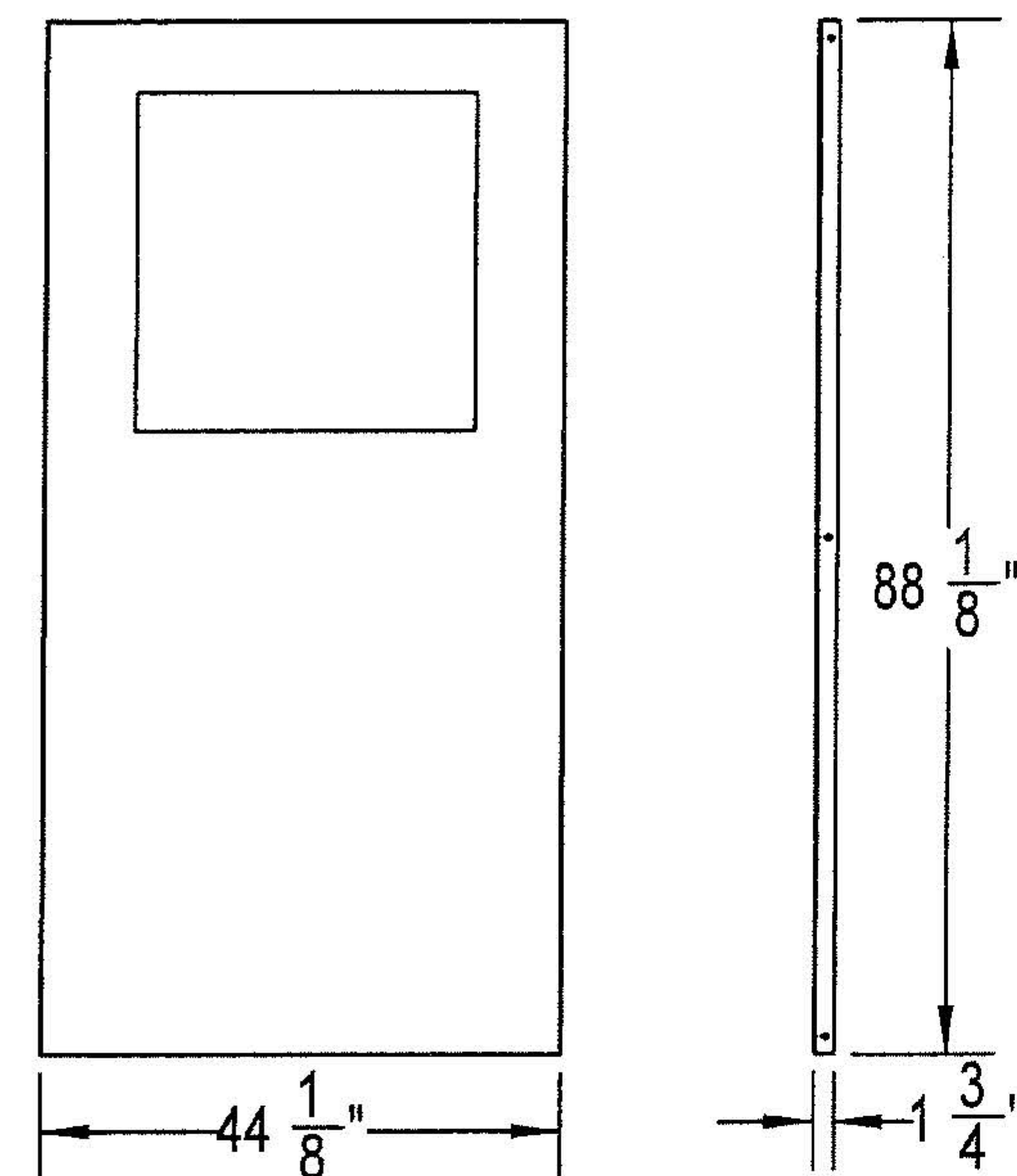
PennBarry 605 Shiloh RD Plano, TX 75074			
DYNAPAK BELT DRIVE MODELS INDIVIDUAL PARTS DETAIL			
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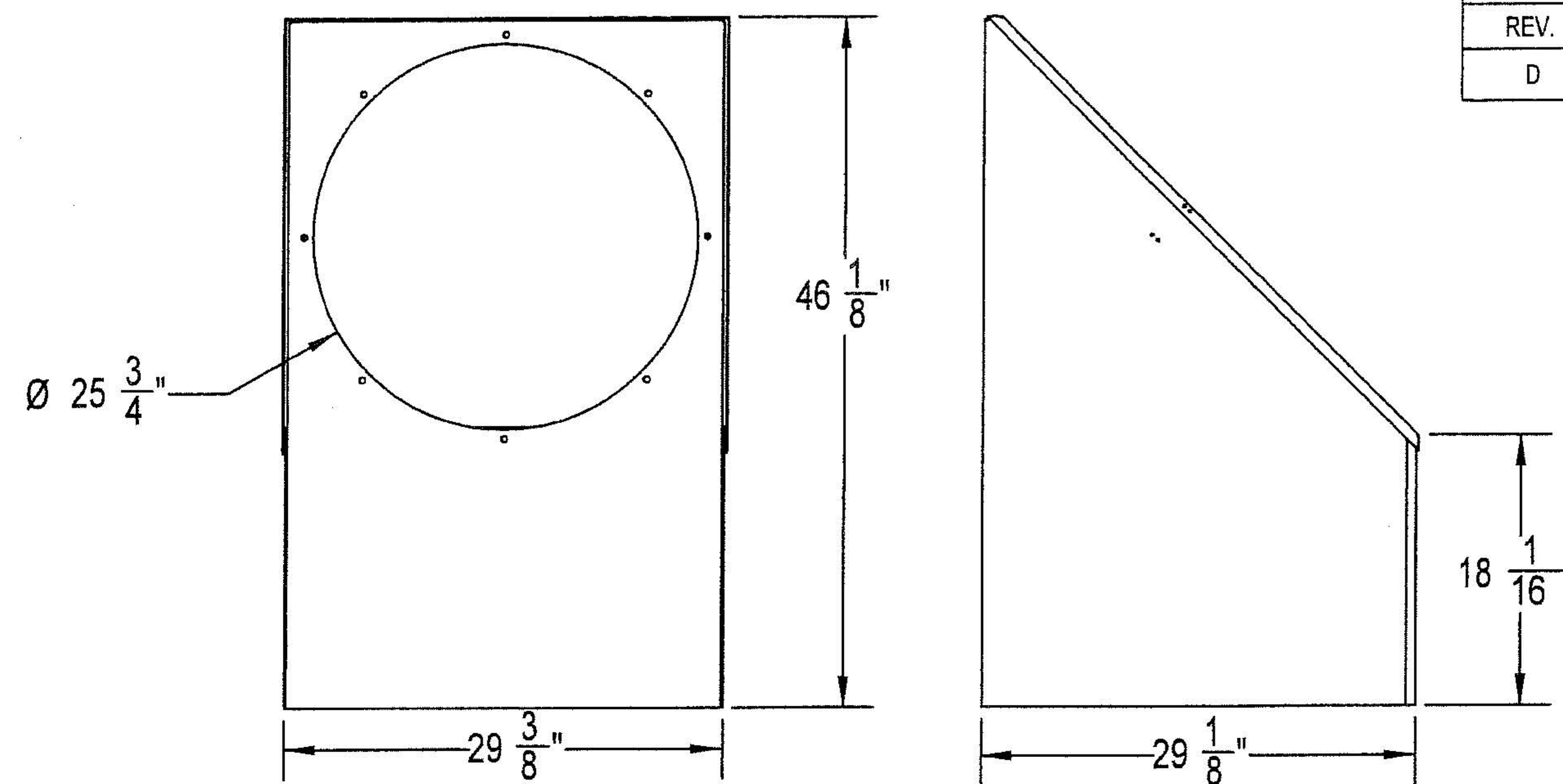
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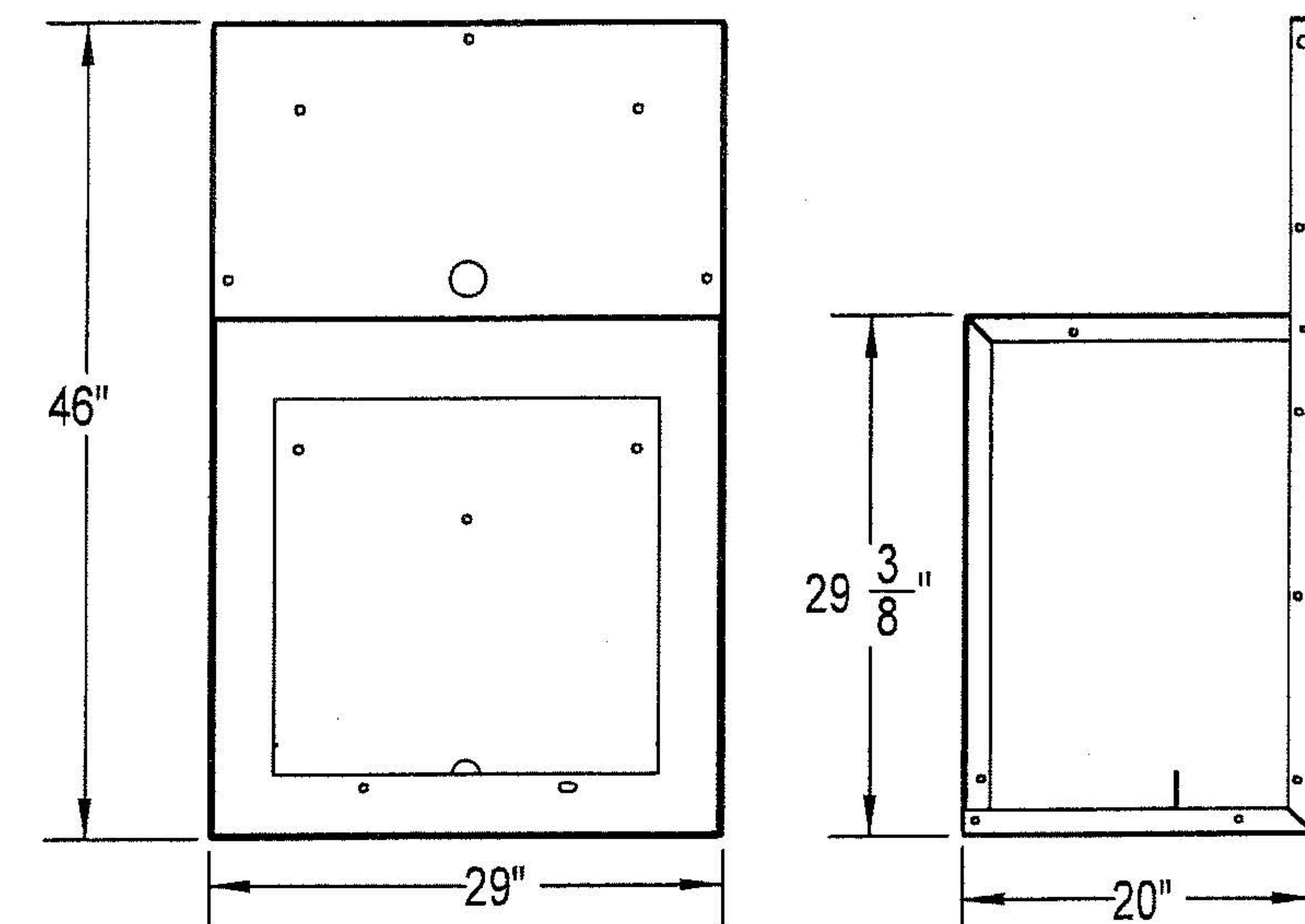
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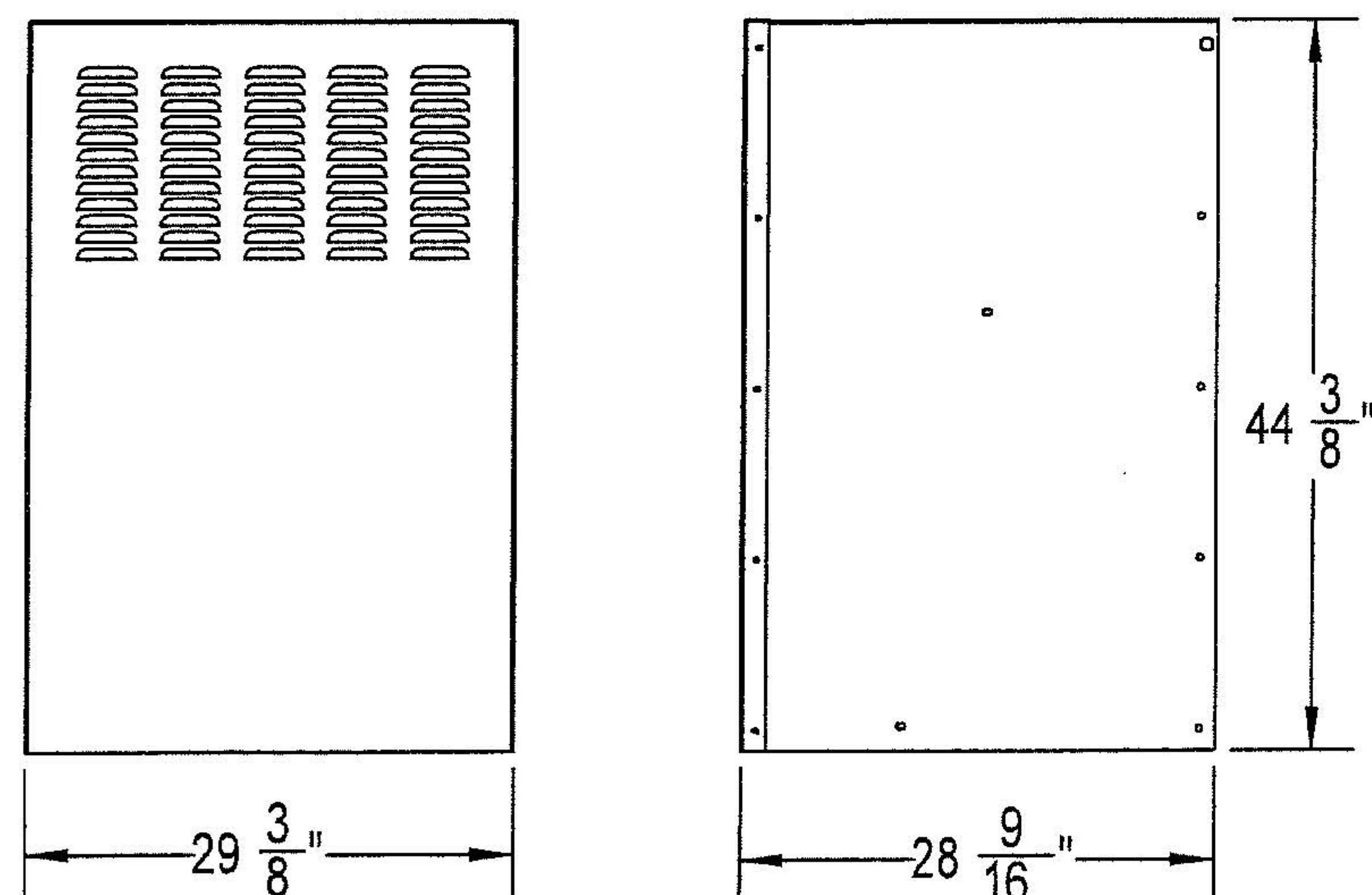
(DYNAPAK BASE)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL 12GA



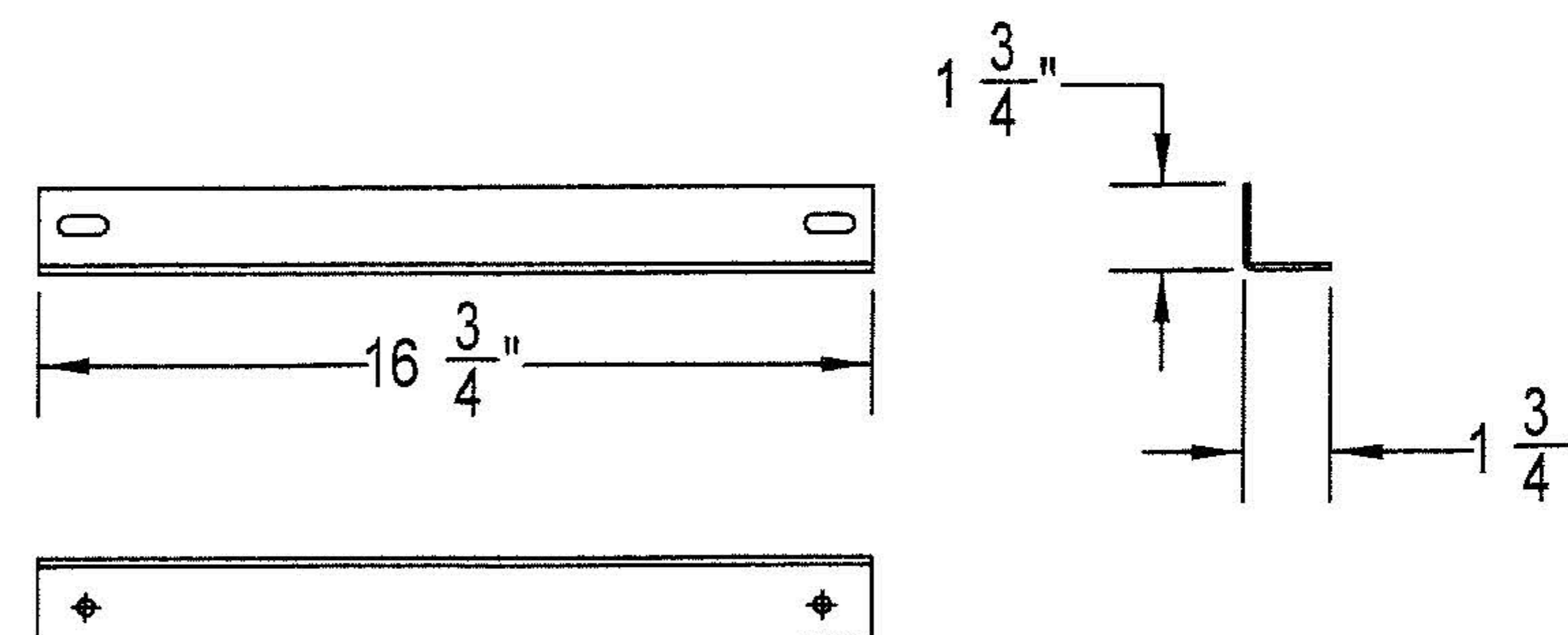
(INLET)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL 14GA



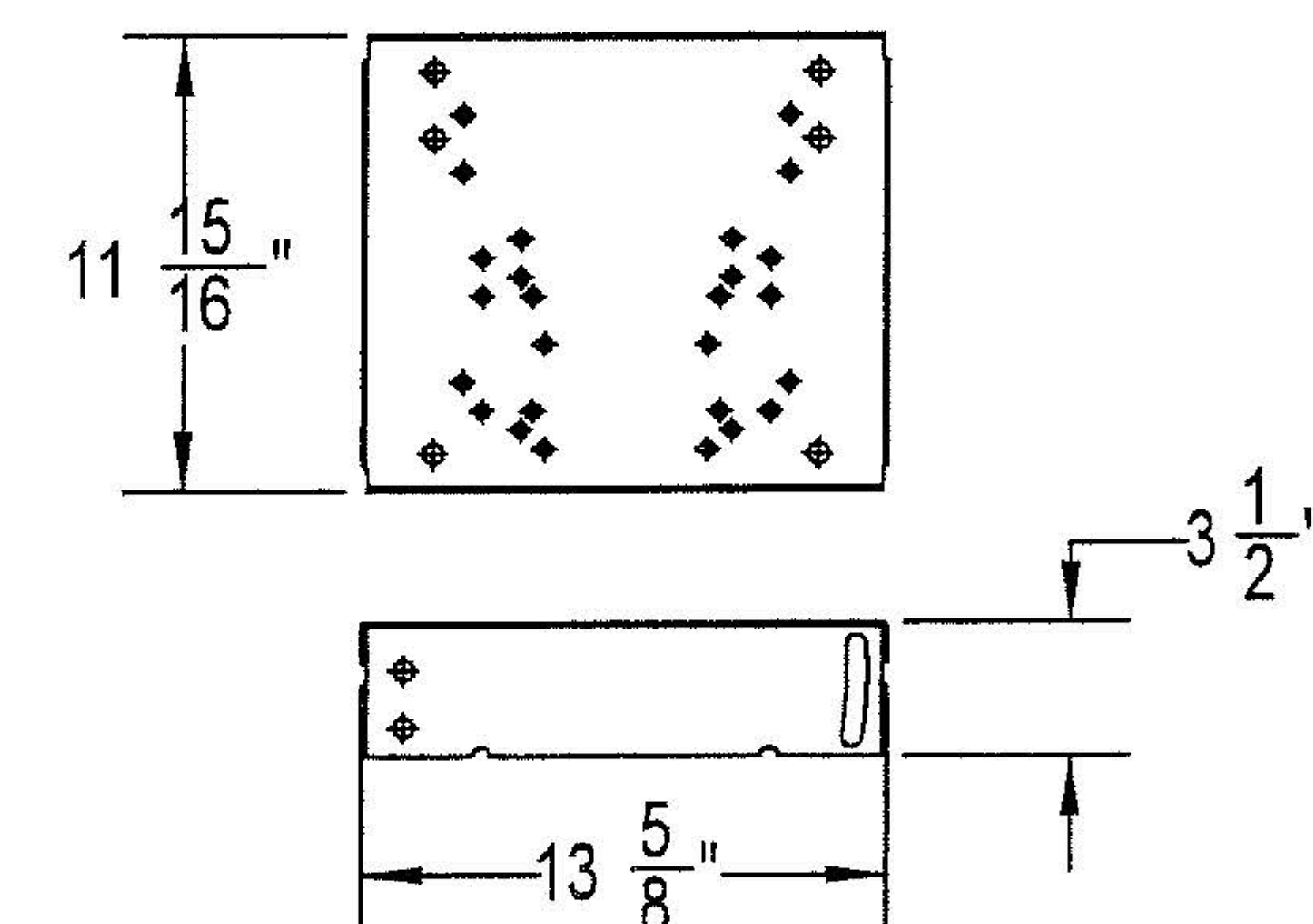
(SUPPORT FRAME WELDMENT)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL, 12GA



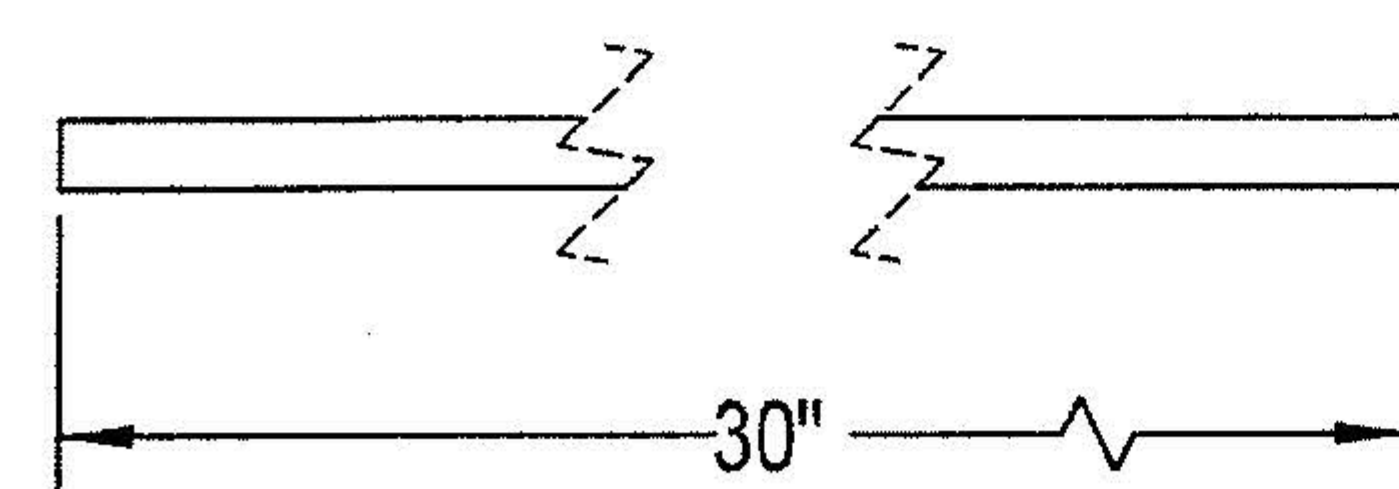
(WEATHER COVER ASSEMBLY)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL, 16GA



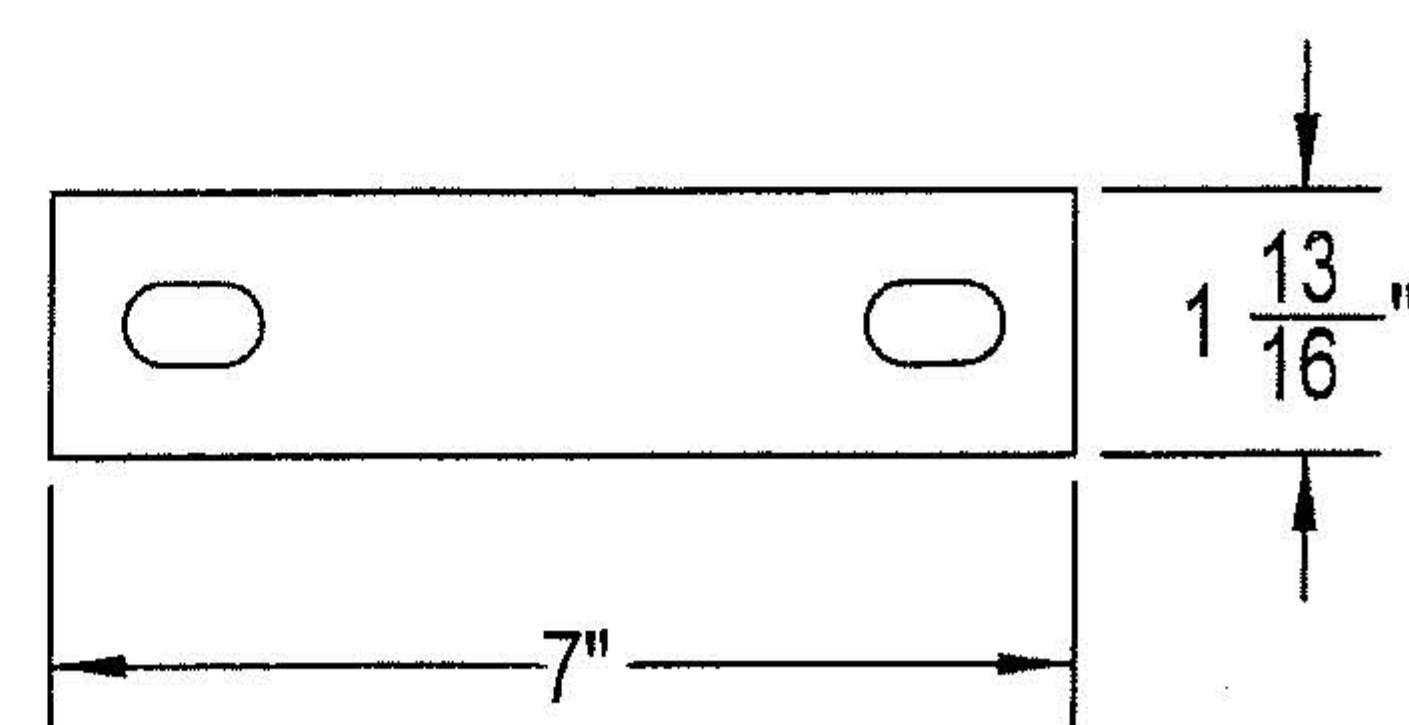
(BASE ANGLE)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL, 12GA



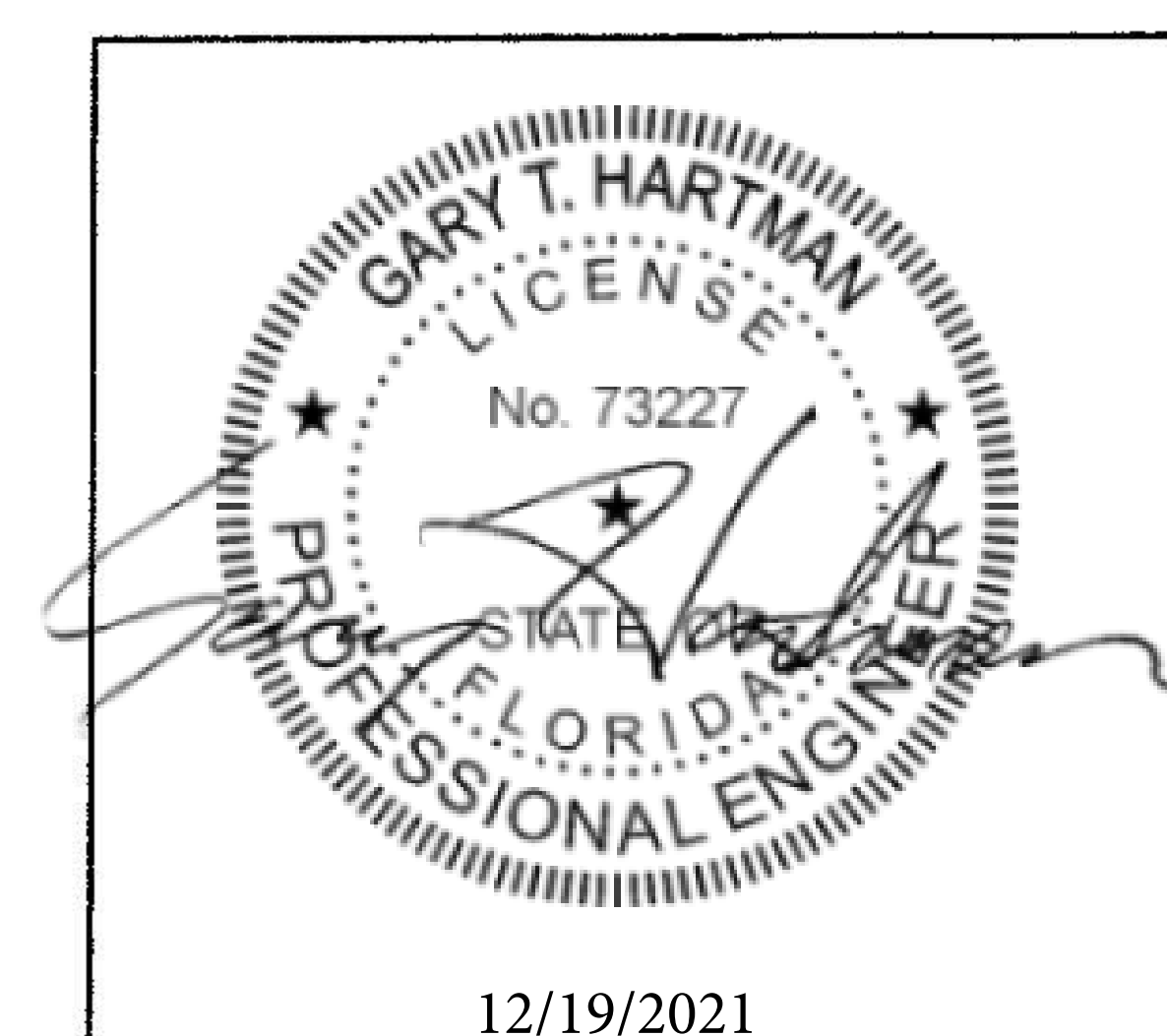
(MOTOR PLATE)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL, 16GA



(SHAFT)
SAMPLE : D24 SIZE
MATERIAL : AL. ALLOY, Ø 1.425



(SHIM)
SAMPLE : D24 SIZE
MATERIAL : GALV. STEEL, 0.25" THK.



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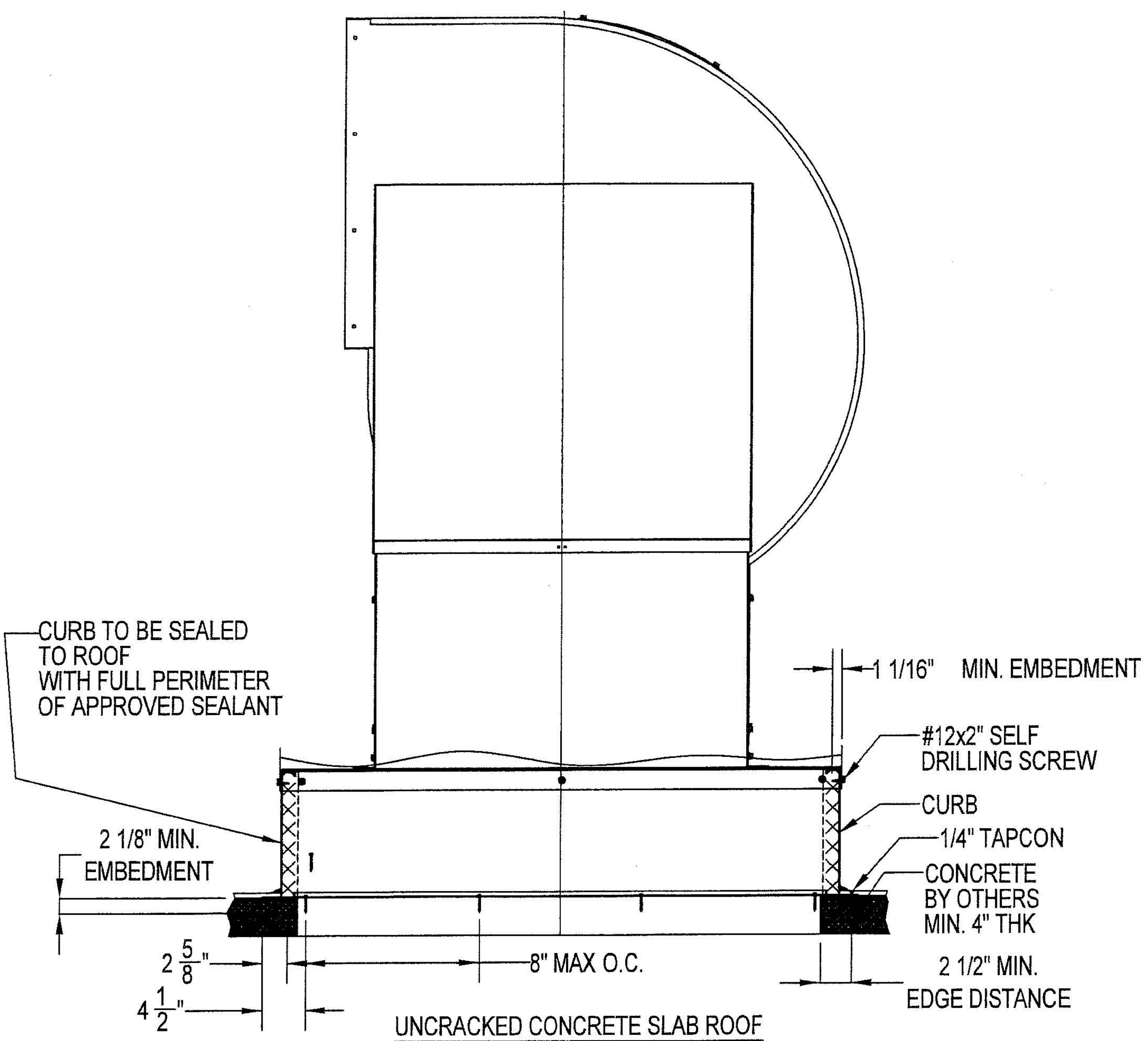
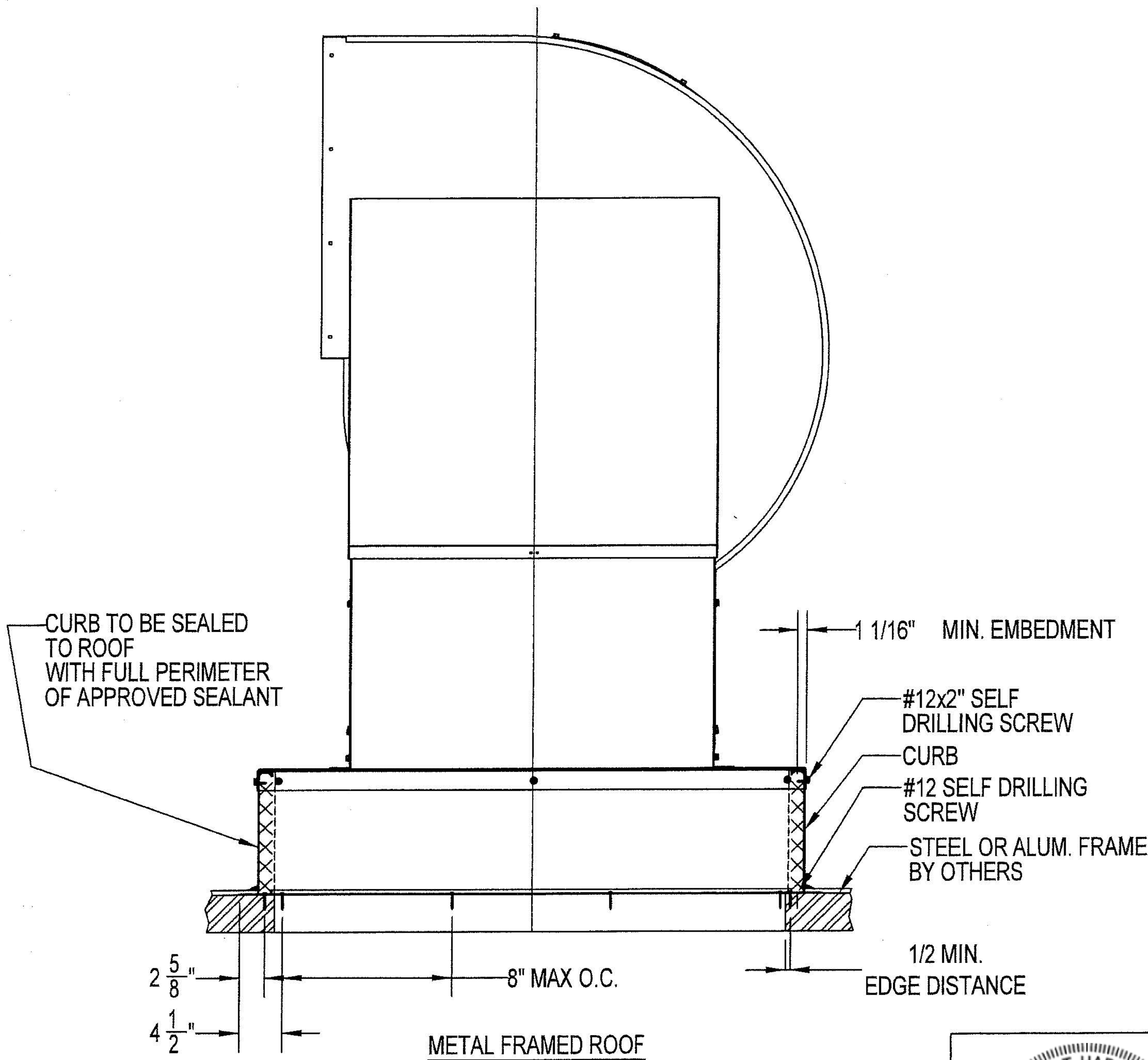
DYNAPAK
BELT DRIVE MODELS
INDIVIDUAL PARTS DETAIL

DRAWN: IC	DWG NO. 24553-0	REV B
SCALE NTS	DATE 10/31/2018	SHEET 5 OF 9

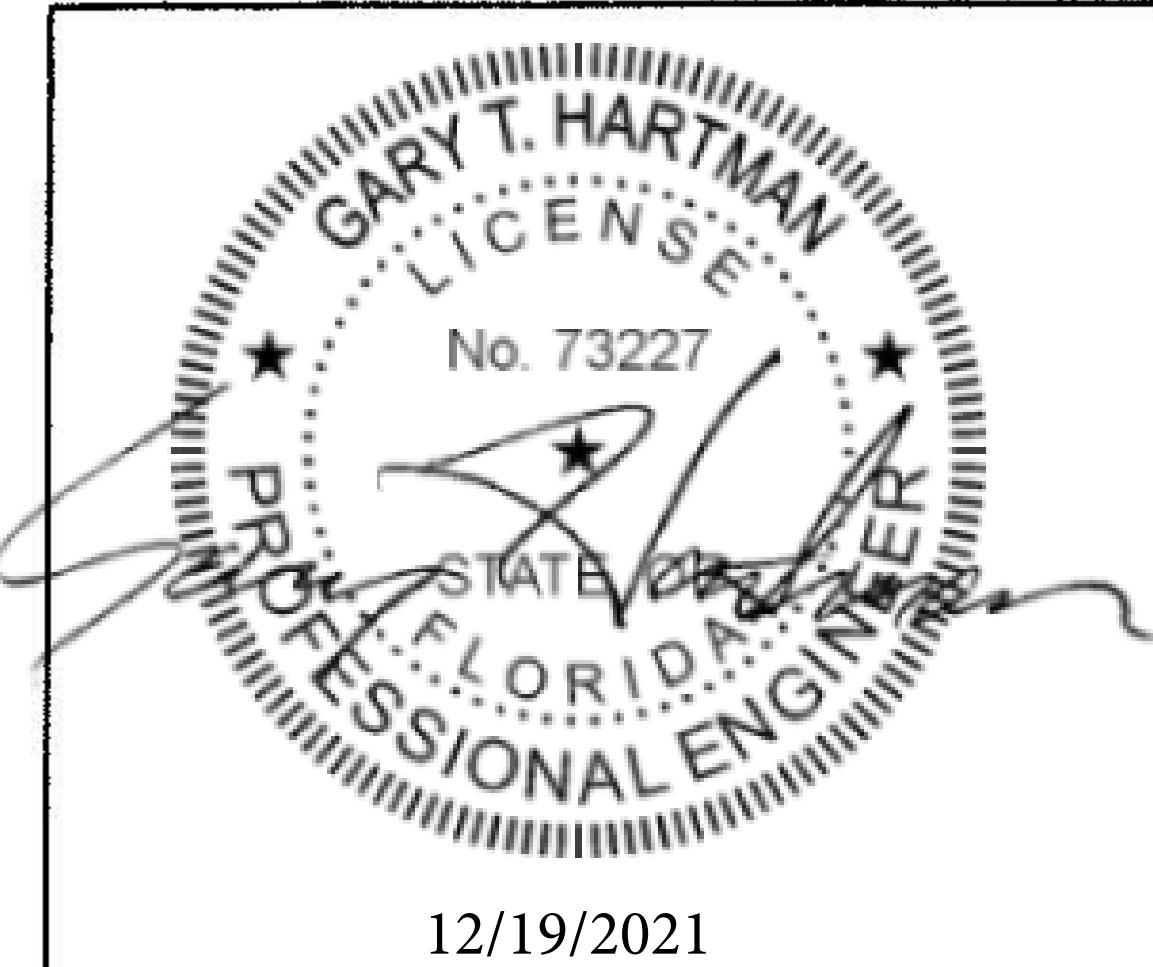
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- NOTES:
1. ALL FOUR SIDES OF CURB AND BASE ARE ANCHORED IDENTICALLY.
 2. ROOF CURB IS INSTALLED TO ROOF FIRST. ONCE CURB IS INSTALLED FAN IS ATTACHED TO CURB USING #12X2" SELF DRILLING SCREWS AS SHOWN ABOVE.
 3. SEE SHEET 9, COMPONENTS FOR ROOF CURB CONSTRUCTION.
 4. UNITS MAYBE INSTALLED WITH ALUMINUM 3003-H14 CURB OR GALVANIZED STEEL CURB.

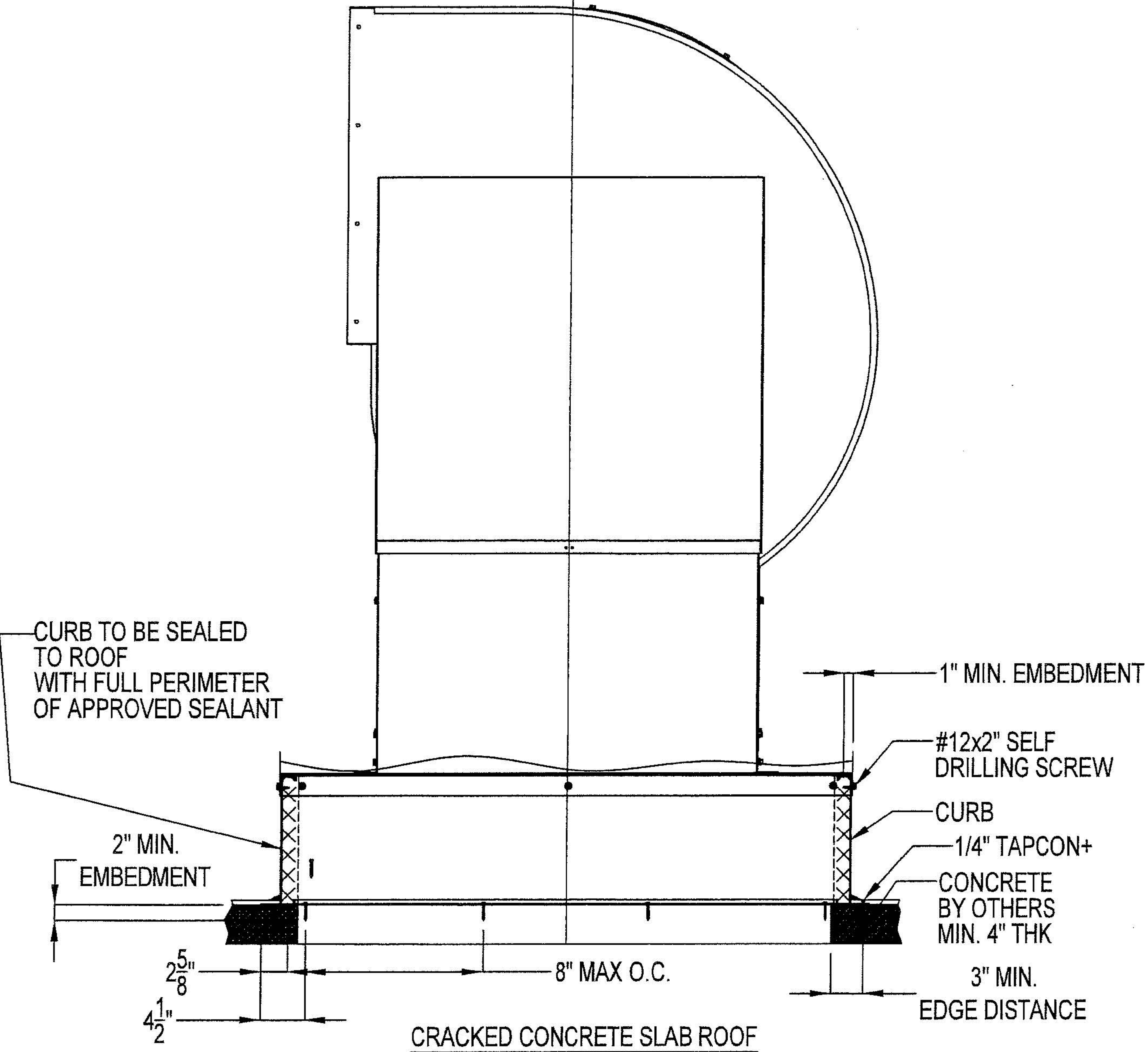


PennBarry 605 Shiloh RD Plano, TX 75074			
DYNAPAK BELT DRIVE MODELS INSTALLATION DETAILS			
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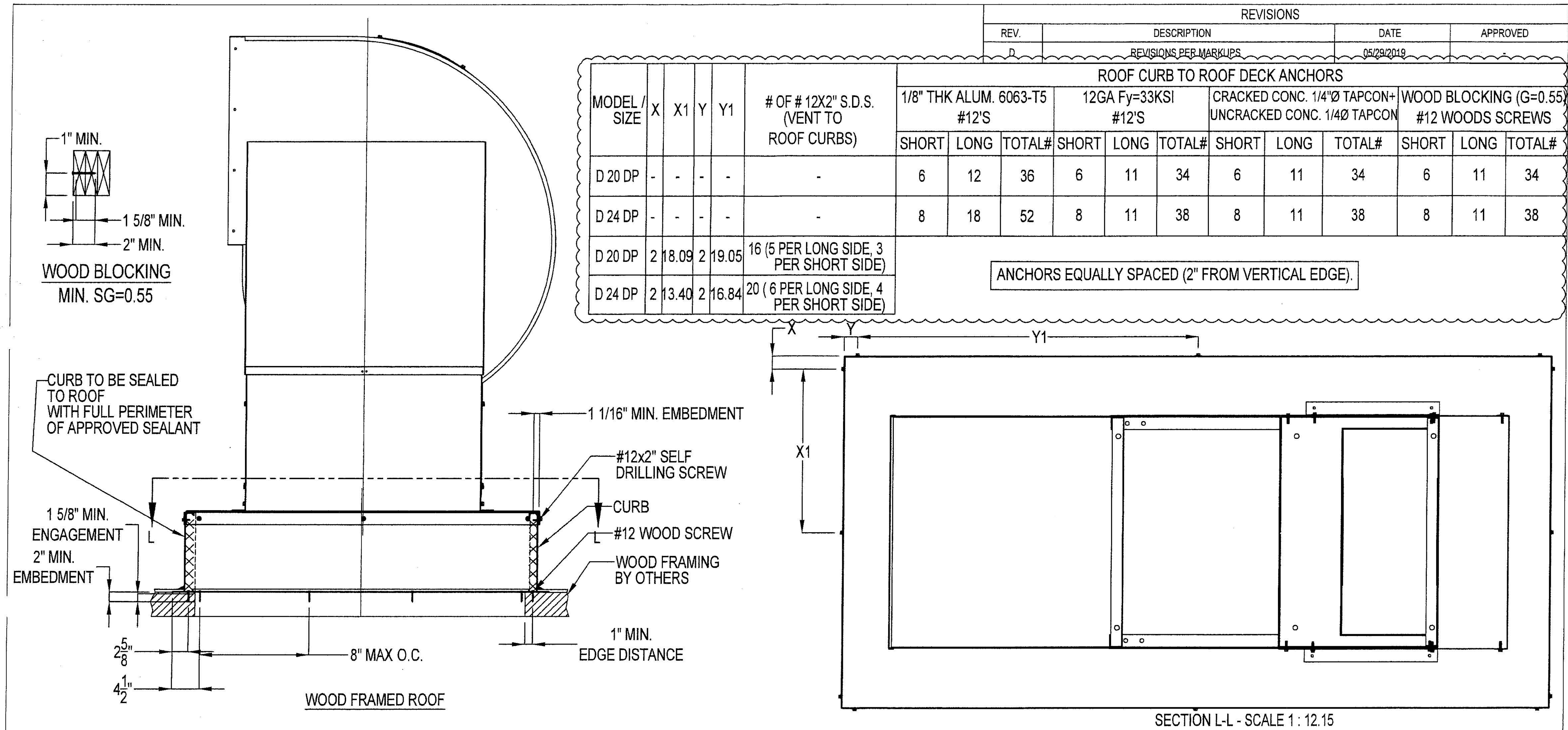
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**DYNAPAK
BELT DRIVE MODELS
INSTALLATION DETAILS**

DRAWN: IC	DWG NO. 24553-0	REV C
SCALE NTS	DATE 02/08/2019	SHEET 7 OF 9

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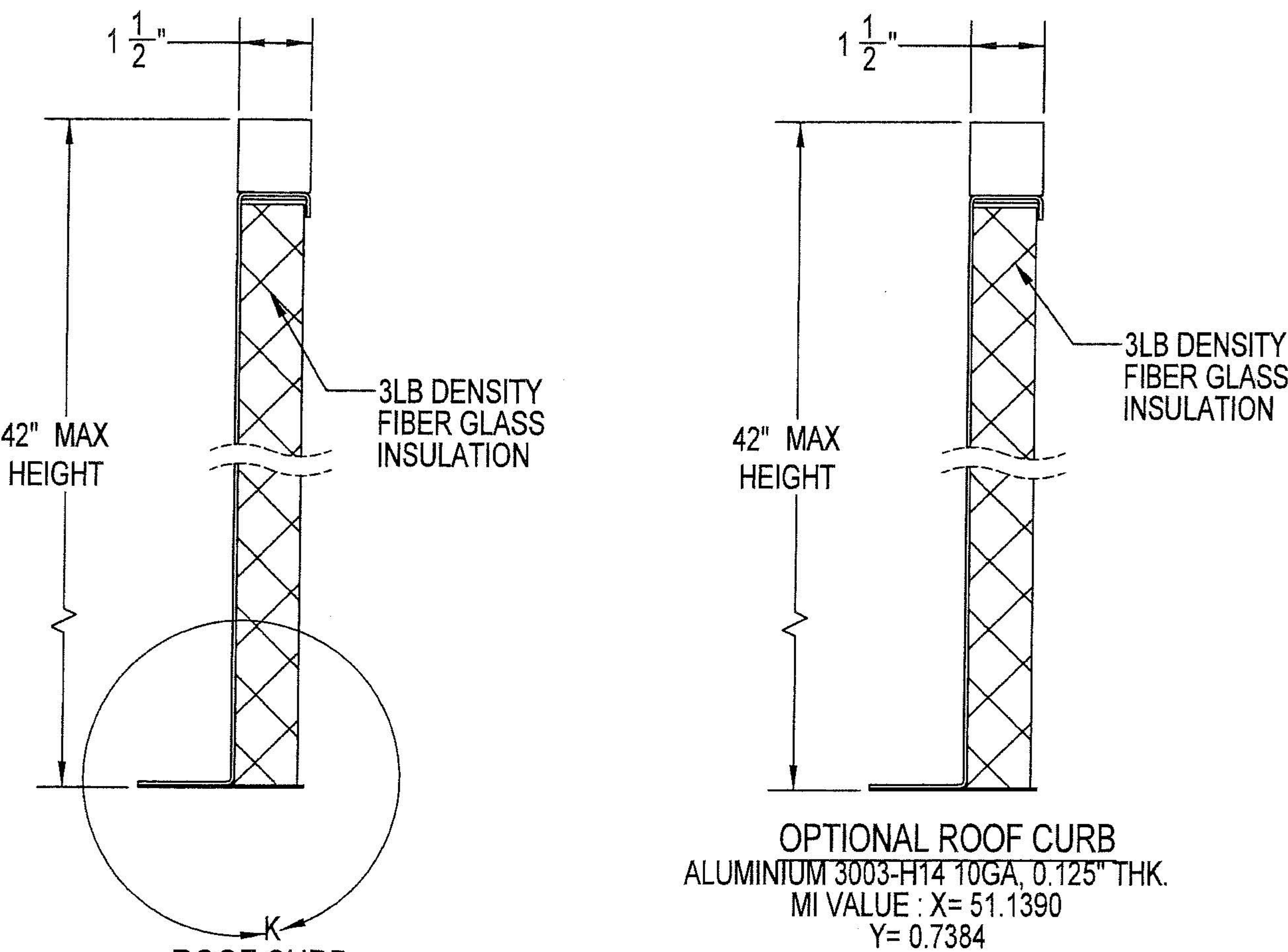
**DYNAPAK
BELT DRIVE MODELS
INSTALLATION DETAILS**

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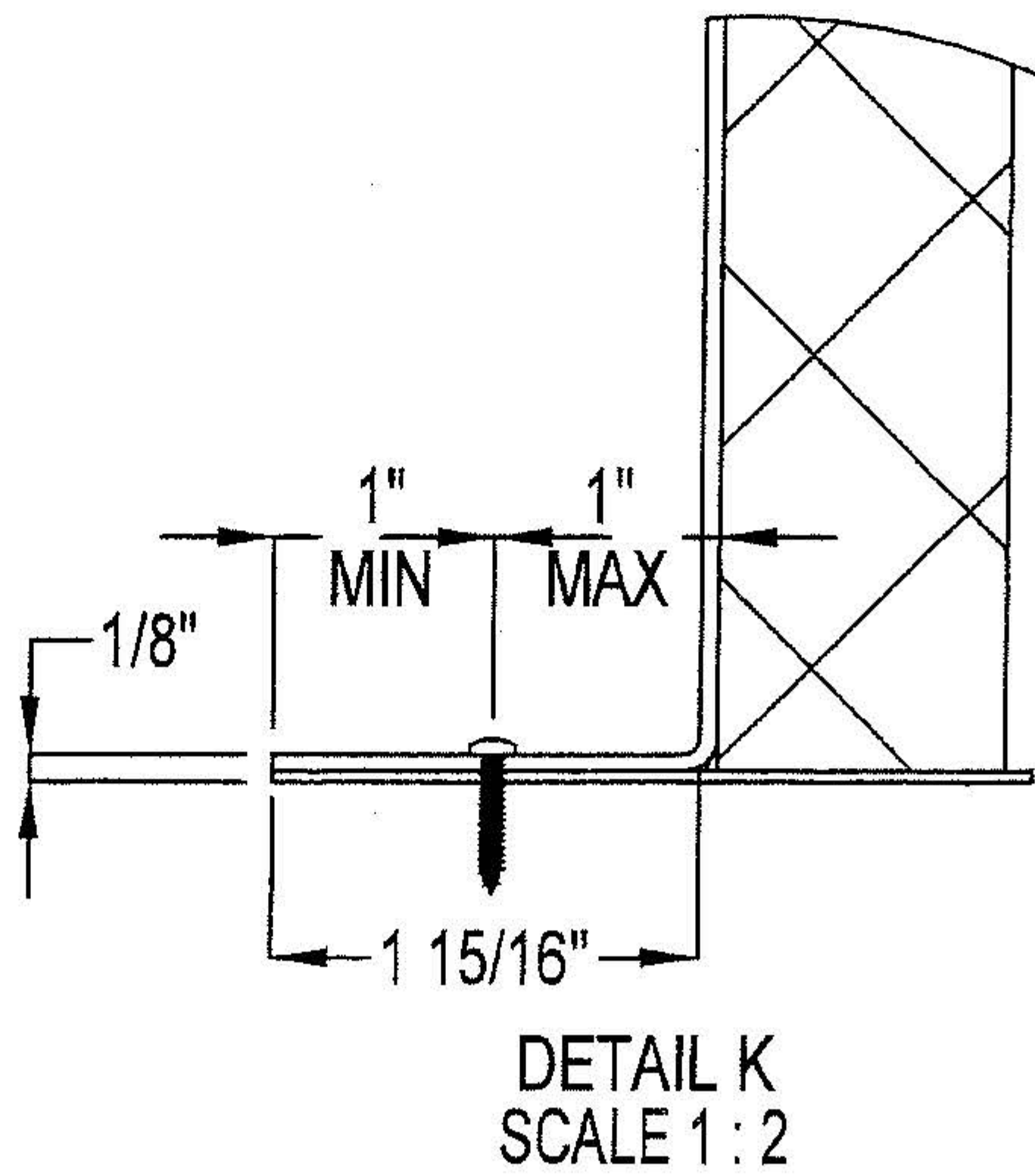
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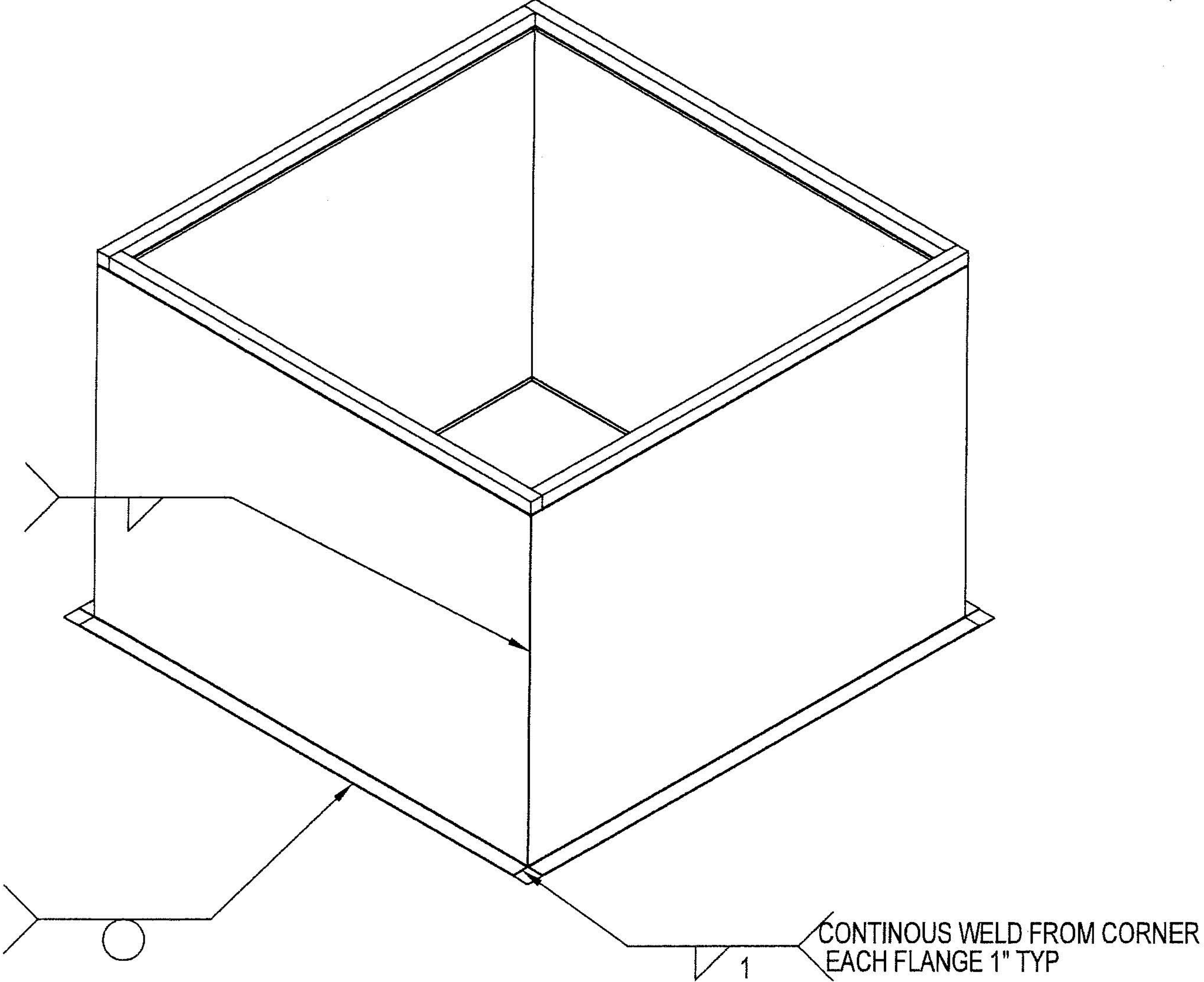


ROOF CURB
18GA G-90 GALV. STEEL
MI VALUE : X= 20.5405
Y=0.3060



CONTINUOUS WELDED CORNERS TYP.

BASE PLATE TO CURB FLANGE TYP.
6" SPACING



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DYNAPAK BELT DRIVE MODELS INSTALLATION DETAILS			
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