REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	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 CONCRETE 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. APPROVED PROTECTIVE INLET AND OUTLET GUARDS ARE REQUIRED FOR SIZES LISTED BELOW. GUARDS ARE NOT REQUIRED ON INSTALLATIONS WITH DUCT WORK ATTACHED TO INLET AND OUTLET OF THE UNIT.
   - GUARDS REQUIRED: DIRECT DRIVE SIZES D06-D18; BELT DRIVE SIZES D06-D15
6. FOR ANCHORING INTO WOOD FRAMING USE 5/8"Ø LAG SCREWS (3" EMBEDMENT, 2" THREAD ENGAGEMENT) AS SHOWN IN INSTALLATION DETAILS ON SHEET 7.
7. FOR ANCHORING INTO CONCRETE USE 5/8"Ø POWERS-STUD+SD4 WITH SUFFICIENT LENGTH TO ACHIEVE A 3 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEET 7.

7.1 FOR ANCHORAGE INTO CONCRETE WITH ISOLATORS USE (2) 1/2"Ø POWER-STUD+SD4 WITH SUFFICIENT LENGTH TO ACHIEVE MINIMUM 2 1/2" EMBEDMENT INTO SUBSTRATE.

8. FOR ANCORING INTO STEEL STRUCTURE USE 1/2"-13 THROUGH BOLTS WITH NUTS AND WASHERS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND SCRUCTURE OF INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEET 7.
9. FOR ANCHORING WITH SPRING ISOLATORS, REFER TO ISOLATORS DETAILS ON SHEET SHEET 8.
10. ALL FASTENERS TO BE CORROSION RESISTANT. UNLESS OTHERWISE NOTED ANCHORS SHALL BE 30 SERIES S.S. COND. CW Fy=65KSI.
11. THIS APPROVAL IS FOR STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.
12. UNITS WERE NOT TESTED FOR WATER PENETRATION PER FBC, TAS 100(A).
13. 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.
    - WOOD - MINIMUM SPECIFIC GRAVITY OF G = 0.55 PER CALCS.
    - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. EOR/ARCH. TO DETERMINE IF CONCRETE IS TO BE CONSIDERED CRACKED OR UNCRACKED.
    - METAL STRUCTURE: STEEL 12 GA, 33KSI.

TABLE OF CONTENTS

SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2	DIRECT DRIVE ELEVATIONS
3-6	DIRECT DRIVE B.O.M., COMPONENTS (D06-D18)
7-8	DIRECT DRIVE INSTALLATION DETAILS

GARY T. HARTMAN LICENSE No. 73227 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

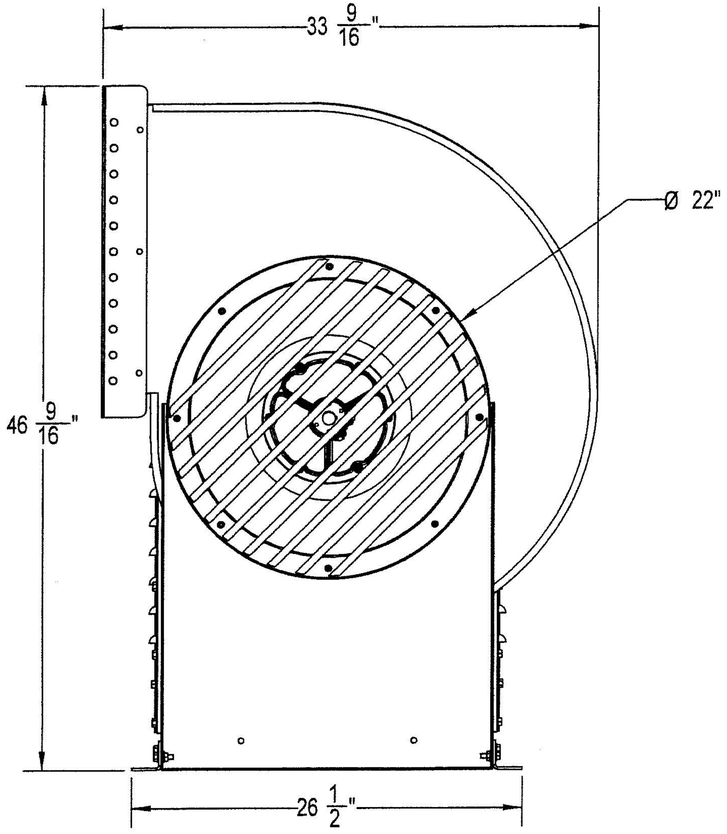
DYNAMO
DIRECT DRIVE MODELS
GENERAL NOTES

DRAWN:	DWG NO.	REV
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SCALE: NTS	DATE: 10/31/2018	SHEET: 1 OF 8

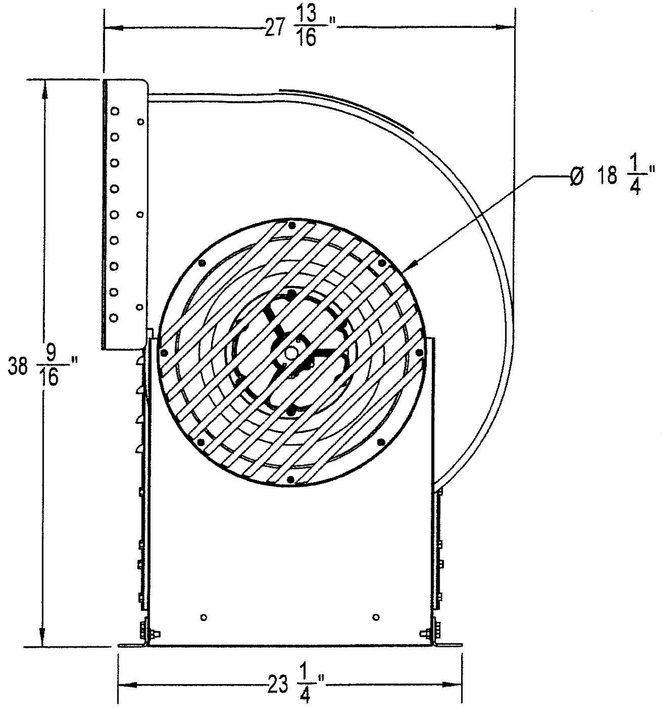
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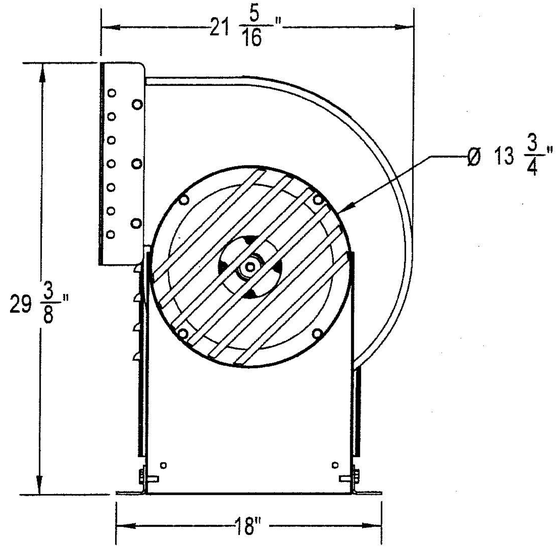
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
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D18 DYNAMO DIRECT DRIVE
ELEVATION VIEW



D15 DYNAMO DIRECT DRIVE
ELEVATION VIEW



D06 DYNAMO DIRECT DRIVE
ELEVATION VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 52.5PSF	LARGE AND SMALL MISSILE IMPACT

DIRECT DRIVE MODELS				
NAME	LENGTH	WIDTH	HEIGHT	WEIGHT
D06	24	21-1/8	29-3/8	130 lbs
D07				
D08				
D10				
D12	26	23-1/16	32-5/16	136 lbs
D13	26-1/4	23-5/16	34-7/8	140 lbs
D15	27-1/4	27-13/16	38-9/16	176 lbs
D16	28-1/2	30-5/16	42-9/16	194 lbs
D18	30-1/4	33-9/16	46-9/16	274 lbs

NOTES:
1.
2.
3. LENGTH OF DIRECT DRIVE MODELS ARE CONSIDERING WEATHER COVER ASSEMBLED FOR ALL MODELS.
4. WIDTH OF DIRECT DRIVE MODELS ARE WITH BASE ANGLES SUPPORTS FOR ALL MODELS

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DYNAMO
DIRECT DRIVE MODELS
ELEVATIONS

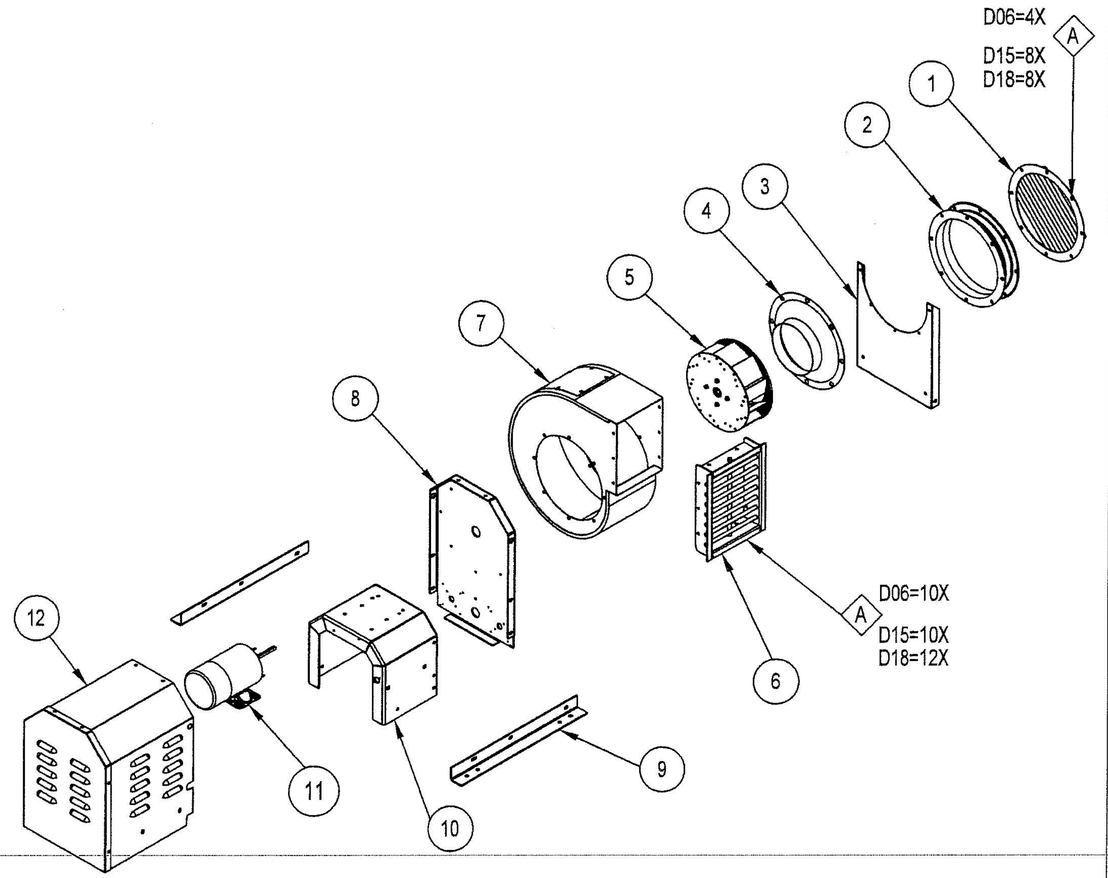
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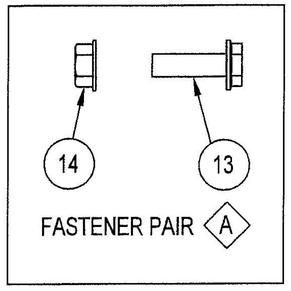
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ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL	D06 DIMS	D15 DIMS	D18 DIMS
1	30623-0	INLET GUARD	PENNBARRY	GALV STEEL	SEE SHEET 6	SEE SHEET 6	SEE SHEET 6
2	19480-1	INLET FLANGE	PENNBARRY	GALV STEEL	A = 13 3/4" B = 2 1/2"	A = 18 1/4" B = 2 1/2"	A = 22" B = 3"
3	10680-1	SHORT VERTICAL SUPPORT	PENNBARRY	GALV STEEL	E = 16 1/2" F = 14" G = 1 1/4"	E = 20 15/16" F = 19 1/4" G = 1 1/4"	E = 24 7/8" F = 22 1/2" G = 1 1/2"
4	58110-0	INLET VENTURI	PENNBARRY	ALUM ALLOY	H = 13 3/4" I = 2 11/16"	H = 18 1/4" I = 3 9/16"	H = 22" I = 5 3/8"
5	10797-0	FAN WHEEL ASSY.	PENNBARRY	GALV STEEL	C = 11 1/2" D = 1 5/16"	C = 11 1/2" D = 1 5/16"	C = 18 3/4" D = 2 11/16"
6	30620-0	OUTLET GUARD	PENNBARRY	GALV STEEL	SEE SHEET 6	SEE SHEET 6	SEE SHEET 6
7	164095-D10BF	BLOWER HOUSING ASSY.	PENNBARRY	GALV STEEL	J = 19 11/16" K = 11 7/16" L = 8 1/2" M = 22"	J = 26 5/16" K = 17 9/16" L = 11 7/8" M = 30"	J = 32 1/16" K = 21 5/16" L = 14 3/8" M = 36 7/16"
8	10672-1001	MOTOR PEDESTAL BACKPLATE	PENNBARRY	GALV STEEL	R = 14 9/16" S = 22 3/4" T = 1 3/8"	R = 19 13/16" S = 29 1/2" T = 1 3/8"	R = 23 1/16" S = 35" T = 1 3/8"
9	10673-10	2"X2" BASE ANGLE	PENNBARRY	GALV STEEL	N = 23"	N = 27"	N = 30"
10	10694-1001	MOTOR PEDESTAL BASE	PENNBARRY	GALV STEEL	U = 13 7/8" V = 12" W = 10"	U = 19 3/16" V = 16 1/2" W = 10"	U = 22 3/8" V = 20 1/2" W = 10"
11	-	MOTOR	-	-			
12	10578-D10	WEATHER COVER ASSY.	PENNBARRY	GALV STEEL	O = 14 3/4" P = 20 5/16" Q = 14 1/16"	O = 19 15/16" P = 27 3/16" Q = 14 1/16"	O = 23 3/16" P = 32 3/8" Q = 14 1/16"
13	55647-0	5/16-18 1.00" FLANGED BOLT	-	ZINC STEEL			
14	55501-0	5/16-18 FLANGED NUT	-	ZINC STEEL			

REVISIONS			
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NOTES:
SAMPLE SHOWN FOR D06, D15, & D18 DIRECT DRIVE DYNAMO

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/20/2021

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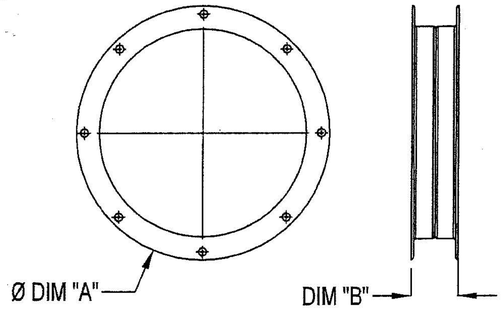
DYNAMO
DIRECT DRIVE MODELS
DIRECT DRIVE BOM - EXPLODED VIEW

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SCALE: NTS	DATE: 10/31/2018	SHEET: 3 OF 8

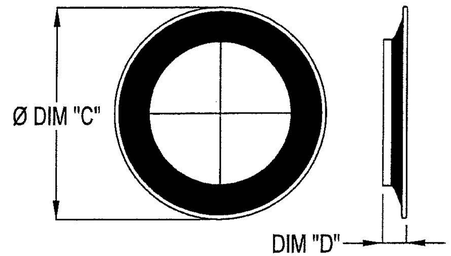
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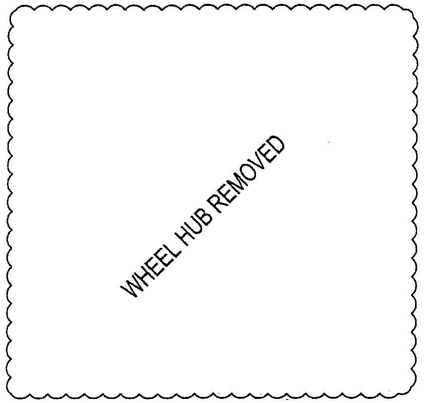
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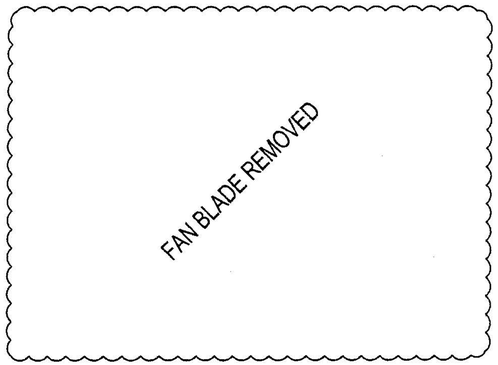


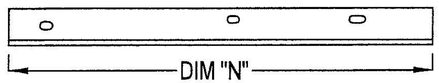
INLET FLANGE
SAMPLE : D06, D15, & D18 SIZE
MATERIAL : GALV. STEEL, 0.125" THK

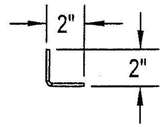


WHEEL INLET CONE
SAMPLE : D06, D15, & D18 SIZE
MATERIAL : ALUM .080"

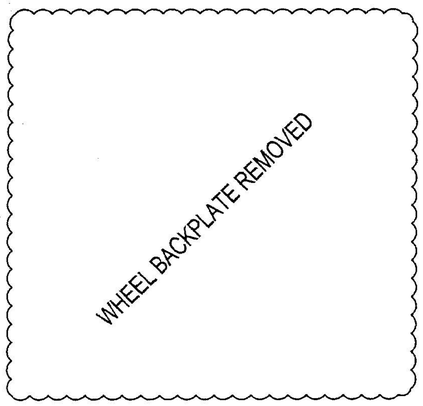


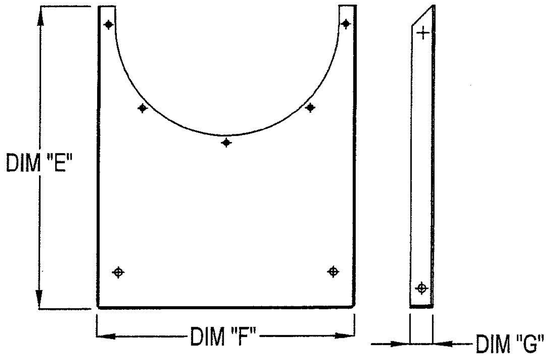




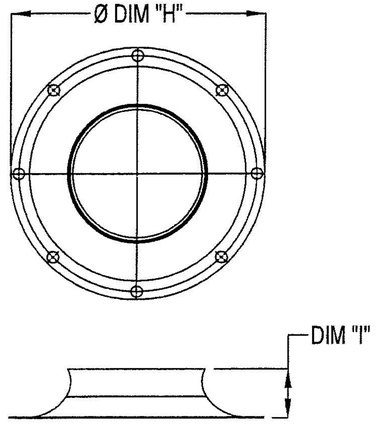


BASE ANGLE
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 10GA
D15 = 8GA, D18 = 8GA

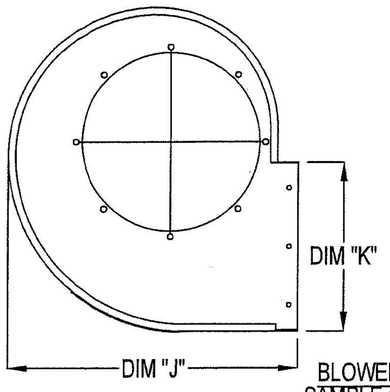


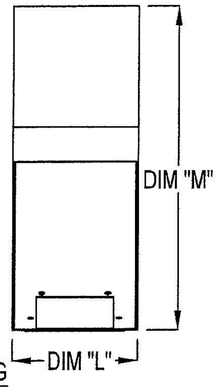


SHORT VERT. SUPPORT
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 14GA
D15 = 14GA, D18 = 12GA



INLET VENTURI
SAMPLE : D06, D15, & D18 SIZE
MATERIAL : AL. ALLOY, 0.05" THK





BLOWER HOUSING
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 16GA (SIDES), 18GA (SCROLL)
D15 SIZE, 14GA (SIDES), 18GA (SCROLL)
D18 SIZE, 14GA (SIDES), 16GA (SCROLL)

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12/20/2021

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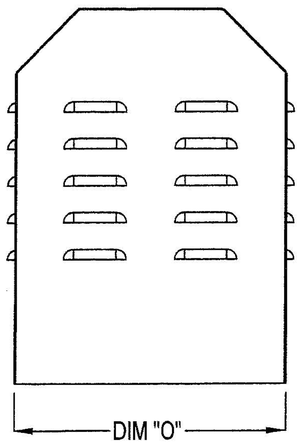
DYNAMO
DIRECT DRIVE MODELS
DIRECT DRIVE BOM - EXPLODED VIEW

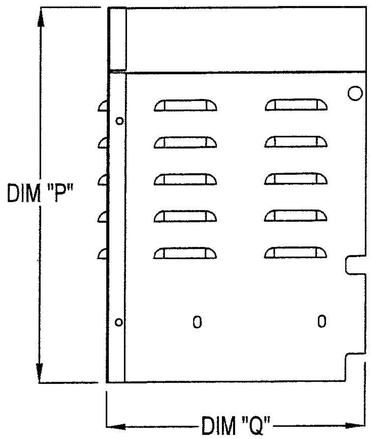
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SCALE: NTS	DATE: 10/31/2018	SHEET: 4 OF 8

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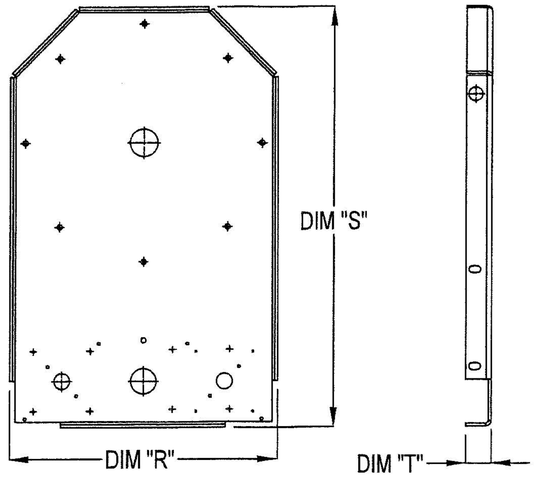
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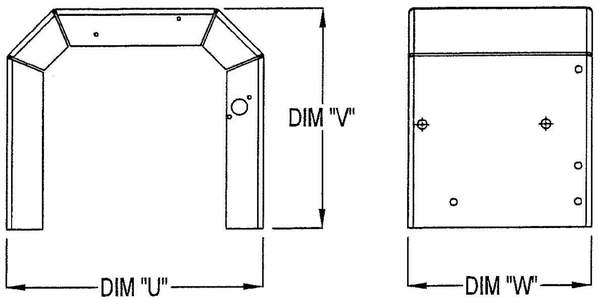




WEATHER COVER ASSEMBLY
SAMPLE : D06, D15, & D18 SIZE
MATERIAL : GALV. STEEL, 18GA



MOTOR PEDESTAL BACKPLATE
SAMPLE : D06, D15, & D18 SIZE
MATERIAL : GALV. STEEL, 8GA



MOTOR PEDESTAL BASE
SAMPLE : D06, D15, & D18 SIZE
MATERIAL : GALV. STEEL, 8GA

OUTLET GUARD MOVED TO SHEET 6

INLET GUARD MOVED TO SHEET 6

ORIFICE PLATE REMOVED

NOTES:
1. INLET & OUTLET GUARD DETAILS ON SHEET 6.

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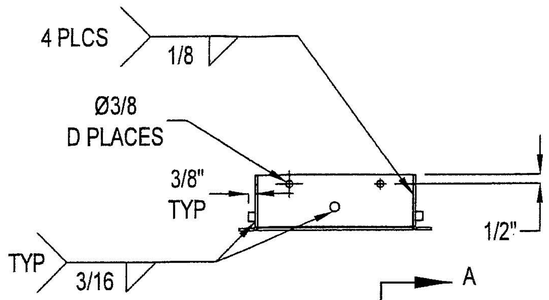
DYNAMO
DIRECT DRIVE MODELS
INDIVIDUAL PARTS DETAIL

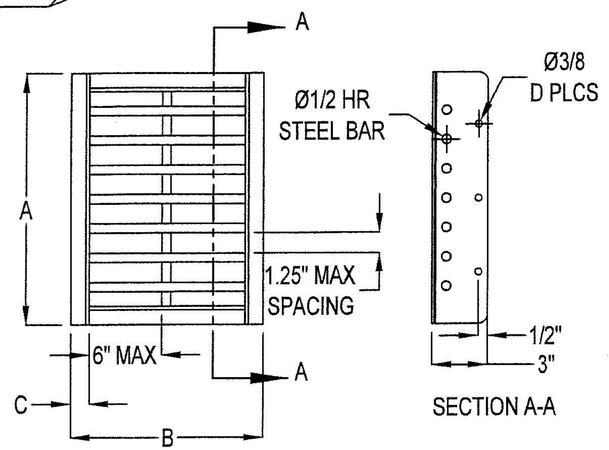
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SCALE: NTS	DATE: 10/31/2018	SHEET: 5 OF 8

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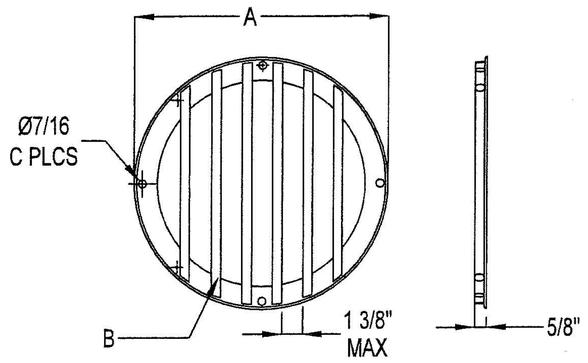




SECTION A-A

OUTLET GUARD
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 10 GA
D15 = 10GA, D18 = 8GA

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 18-1205.05
Expiration Date 08/10/2022
By
Miami–Dade Product Control



INLET GUARD
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 10GA
D15 = 10GA, D18 = 8GA

OUTLET GUARD CHART

UNIT SIZE	A	B	C	D	FASTENER TYPE	FASTENER QTY
D06	13.56	10.47	1.00	2	5/16-18 X 1.00" HH BOLT	10
D07						
D08						
D10						
D12	14.28	12.56	1.00	2	5/16-18 X 1.00" HH BOLT	10
D13	16.66	12.72	1.00	2	5/16-18 X 1.00" HH BOLT	10
D15	18.05	13.88	1.00	2	5/16-18 X 1.00" HH BOLT	10
D16	19.80	15.00	1.00	2	5/16-18 X 1.00" HH BOLT	10
D18	22.22	16.88	1.25	3	5/16-18 X 1.00" HH BOLT	12

NOTES:
1. INLET GUARD REQUIRED ONLY WHEN UNIT HAS UNDUCTED INLET.

INLET GUARD CHART

UNIT SIZE	A	B	C	FASTENER TYPE	FASTENER QTY
D06	13.75	11.25	4	5/16-18 X 1.00" HH BOLT	4
D07					
D08					
D10					
D12	15.5	13	4	5/16-18 X 1.00" HH BOLT	4
D13	16.5	14	4	5/16-18 X 1.00" HH BOLT	4
D15	18.25	15.75	8	5/16-18 X 1.00" HH BOLT	8
D16	19.75	17.25	8	5/16-18 X 1.00" HH BOLT	8
D18	22	19	8	5/16-18 X 1.00" HH BOLT	8



12/20/2021

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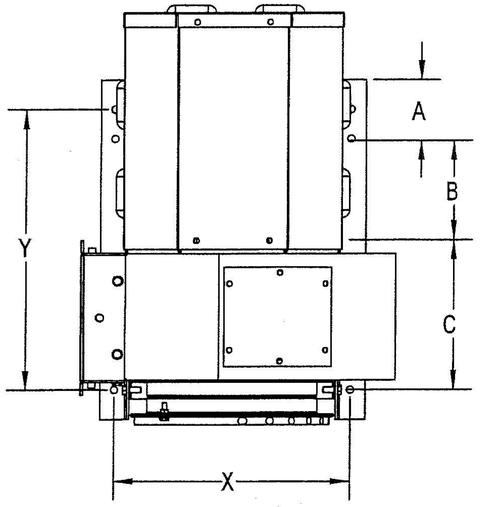
DYNAMO
DIRECT DRIVE MODELS
INLET GUARD DETAIL

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	6 OF 8

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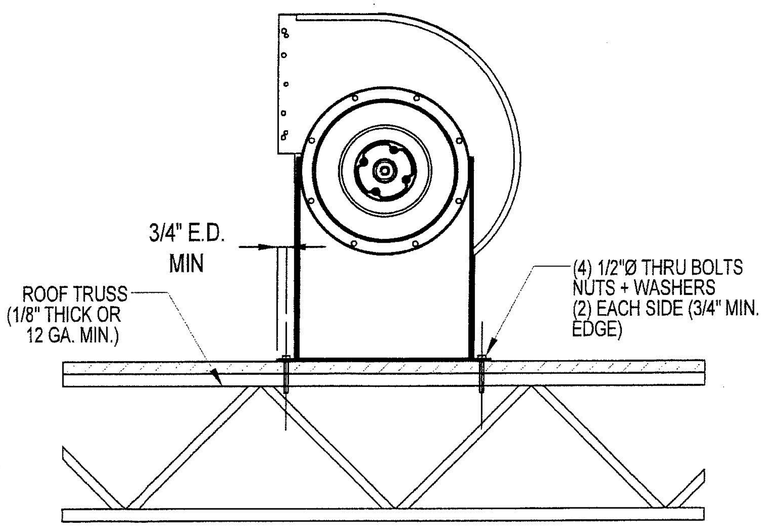
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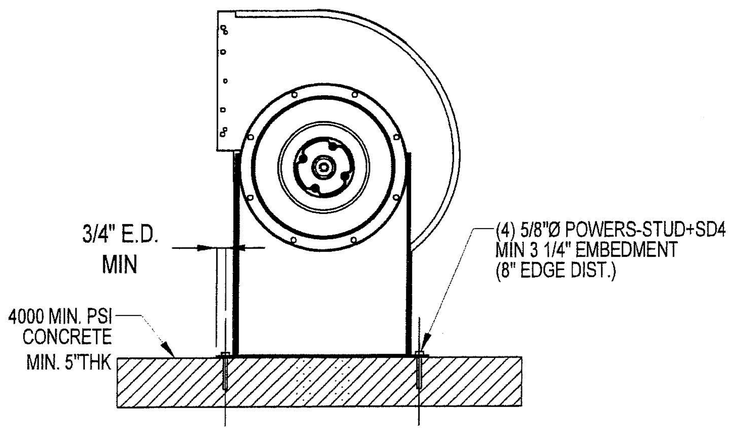


			ROOF CURB TO ROOF DECK ANCHORS		
			CONCRETE ROOF	WOOD ROOF	STEEL ROOF
SIZE	X	Y	No. OF ANCHORS	No. OF ANCHORS	No. OF ANCHORS
D06	16.00	19.00	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D07					
D08					
D10					
D12	18.16	21.00	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D13	19.20	21.00	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D15	21.28	23.00	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D16	22.75	24.00	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D18	24.50	26.00	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)

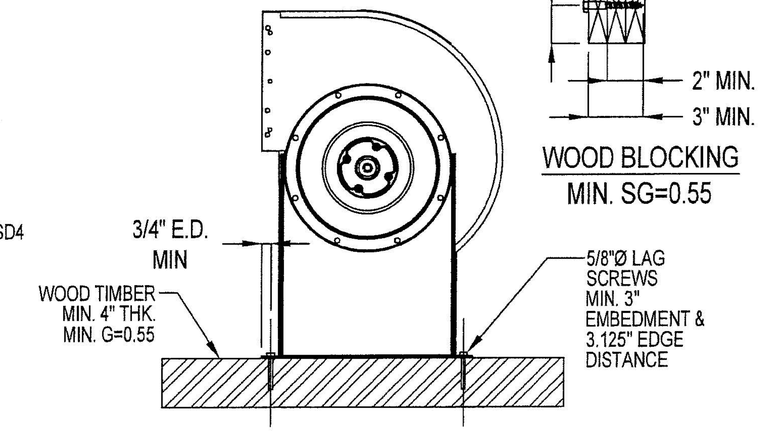
	FAN BASE ANGLE BOLTS				
SIZE	A	B	C	BOLT TYPE	No. OF BOLTS
D06	4.12	6.75	10.13	3/8-16 X 3/4	6 (3 PER SIDE)
D07					
D08					
D10					
D12	3.90	6.87	12.23	3/8-16 X 3/4	6 (3 PER SIDE)
D13	3.91	6.87	12.22	3/8-16 X 3/4	6 (3 PER SIDE)
D15	4.34	6.87	13.97	3/8-16 X 3/4	6 (3 PER SIDE)
D16	4.31	6.87	14.82	3/8-16 X 3/4	6 (3 PER SIDE)
D18	4.75	6.87	16.38	3/8-16 X 3/4	6 (3 PER SIDE)



STEEL ANCHORING



CONCRETE DECK ANCHORING
(CRACKED OR UNCRACKED)



WOOD ANCHORING

DIRECT MOUNT

NOTES:
1. ANCHORING POSITIONS FOR METAL, WOOD, AND CONCRETE DECK ARE THE SAME.
2. REFER TO NOTES 6, 7, 7.1, & 8 ON SHEET 1 FOR THE TYPE OF ANCHORS FOR STEEL, CONCRETE AND WOOD ROOF.

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12/20/2021

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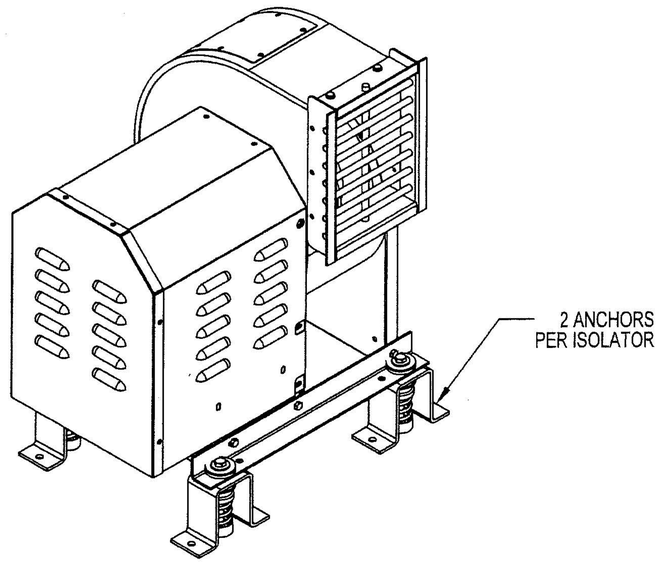
DYNAMO
DIRECT DRIVE MODELS
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	7 OF 8

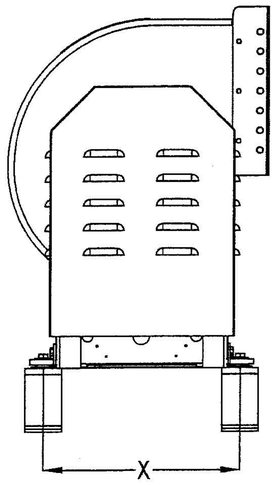
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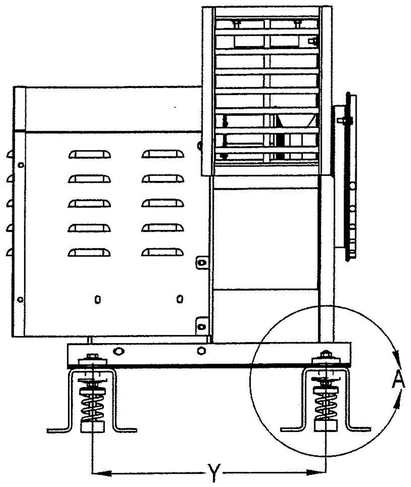
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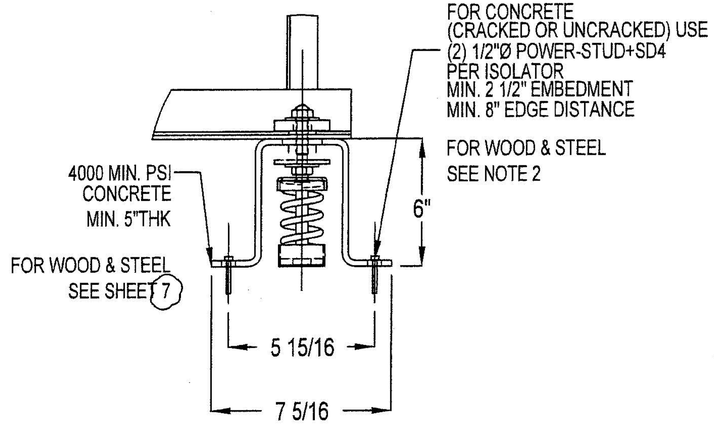
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-



SPRING ISOLATOR ANCHORING







DETAIL A
SCALE 1 : 6

NOTES:
1. PART NUMBERS OF SPRING ISOLATORS ARE SHOWN IN THE TABLE.
2. ANCHORING POSITIONS FOR METAL AND WOOD DECK ARE SAME, WITH 2 ANCHORS PER ISOLATOR.
3. REFER TO NOTES 6, 7, 7.1, & 8 ON SHEET 1 FOR THE TYPE OF ANCHORS FOR STEEL, CONCRETE AND WOOD ROOF.
4. ALL ISOLATORS IN TABLE AT LEFT HAVE SAME DIMENSIONS, SHOWN IN DETAIL A.

DIRECT DRIVE MODELS				
SIZE	X	Y	SPRING ISOLATORS (QTY)	
D06	16.00	19.00	50830-0 (4)	-
D07				
D08				
D10				
D12	18.16	21.00	50830-0 (4)	-
D13	19.20	21.00	50830-0 (4)	-
D15	21.28	23.00	50830-0 (2)	50831-0 (2)
D16	22.75	24.00	50830-0 (2)	50832-0 (2)
D18	24.50	26.00	50831-0 (2)	50832-0 (2)

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DYNAMO
DIRECT DRIVE MODELS
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 8 OF 8

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COA: 9090

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	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 CONCRETE 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. APPROVED PROTECTIVE INLET AND OUTLET GUARDS ARE REQUIRED FOR SIZES LISTED BELOW. GUARDS ARE NOT REQUIRED ON INSTALLATIONS WITH DUCT WORK ATTACHED TO INLET AND OUTLET OF THE UNIT.
   - GUARDS REQUIRED: DIRECT DRIVE SIZES D06-D18; BELT DRIVE SIZES D06-D15
6. FOR ANCHORING INTO WOOD FRAMING USE 5/8"Ø LAG SCREWS (3" EMBEDMENT, 2" THREAD ENGAGEMENT) AS SHOWN IN INSTALLATION DETAILS ON SHEETS 7 & 13.
7. FOR ANCHORING INTO CONCRETE USE 5/8"Ø POWERS-STUD+SD4 WITH SUFFICIENT LENGTH TO ACHIEVE A 3 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEETS 7 & 13.

7.1 FOR ANCHORAGE INTO CONCRETE WITH ISOLATORS USE (2) 1/2"Ø POWER-STUD+SD4 WITH SUFFICIENT LENGTH TO ACHIEVE MINIMUM 2 1/2" EMBEDMENT INTO SUBSTRATE.

8. FOR ANCORING INTO STEEL STRUCTURE USE 1/2"-13 THROUGH BOLTS WITH NUTS AND WASHERS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND SCRUCTURE OF INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS ON SHEETS 7 & 13.
9. FOR ANCHORING WITH SPRING ISOLATORS, REFER TO ISOLATORS DETAILS ON SHEETS 8 &14.
10. ALL FASTENERS TO BE CORROSION RESISTANT. UNLESS OTHERWISE NOTED ANCHORS SHALL BE 300 SERIES S.S. COND. CW Fy=65KSI.
11. THIS APPROVAL IS FOR STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.
12. UNITS WERE NOT TESTED FOR WATER PENETRATION PER FBC, TAS 100(A).
13. 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.
   - WOOD - MINIMUM SPECIFIC GRAVITY OF G = 0.55 PER CALCS.
   - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI. EOR/ARCH. TO DETERMINE IF CONCRETE IS TO BE CONSIDERED CRACKED OR UNCRACKED.
   - METAL STRUCTURE: STEEL 12 GA, 33KSI.

TABLE OF CONTENTS

SHEET NO.	DESCRIPTION
1	GENERAL NOTES
2	BELT DRIVE ELEVATIONS (D06-D15)
3-6	BELT DRIVE B.O.M., COMPONENTS (D06-D15)
7-8	BELT DRIVE INSTALLATION DETAILS (D06-D15)
9	BELT DRIVE ELEVATIONS (D16-D36)
10-12	BELT DRIVE B.O.M., COMPONENTS (D16-D36)
13-14	BELT DRIVE INSTALLATION DETAILS (D16-D36)

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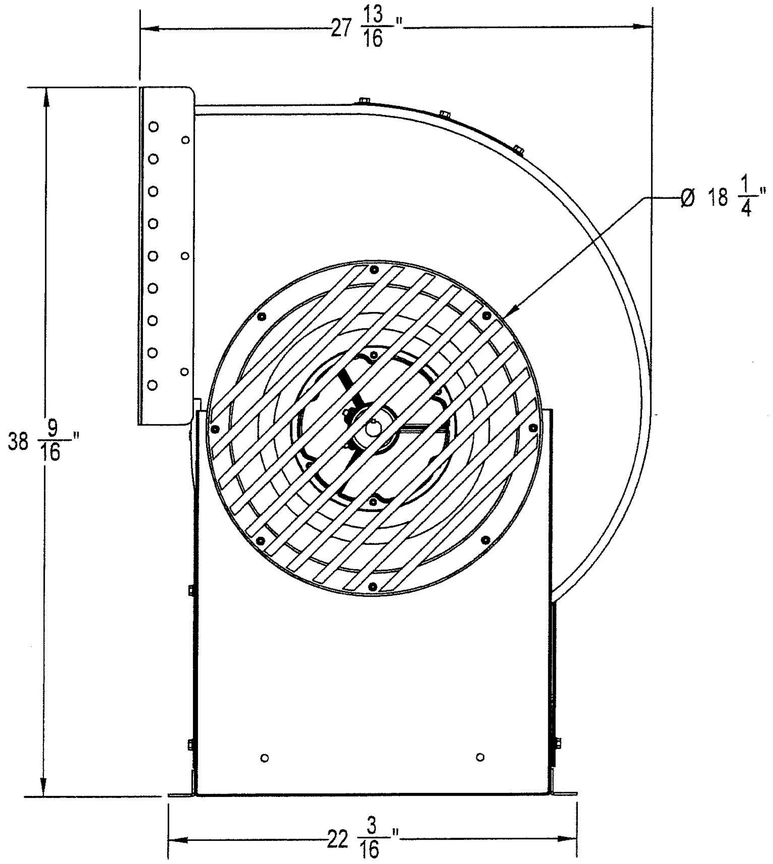
DYNAMO
BELT DRIVE MODELS
GENERAL NOTES

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 1 OF 14

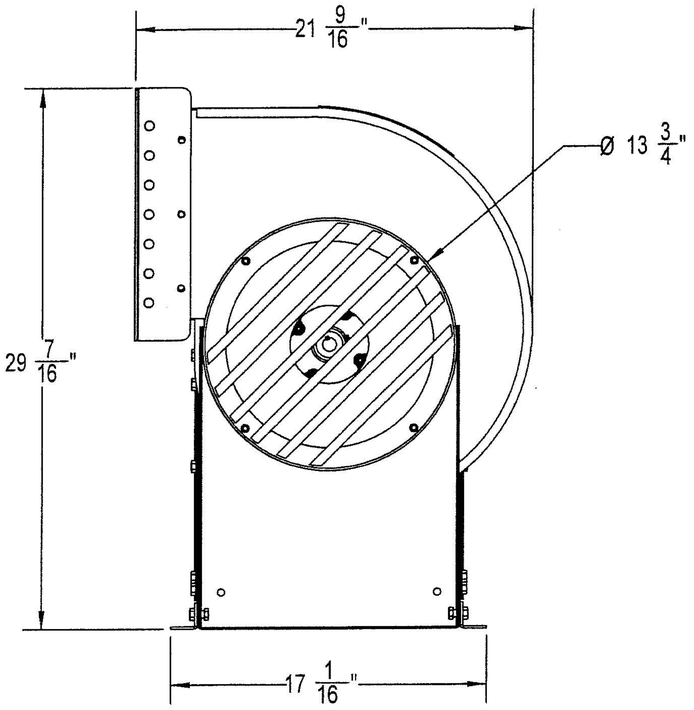
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D15 DYNAMO BELT DRIVE
ELEVATION VIEW



D06 DYNAMO BELT DRIVE
ELEVATION VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 52.5PSF	LARGE AND SMALL MISSILE IMPACT

BELT DRIVE MODELS				
NAME	LENGTH	WIDTH	HEIGHT	WEIGHT
D06	28	21-1/16	29-3/8	130 lbs
D07				
D08				
D10				
D12	30-1/8	22-15/16	32-3/16	136 lbs
D13	30-1/4	25-3/16	34-3/4	140 lbs
D15	34-1/2	27-13/16	39-9/16	176 lbs

NOTES:
1. LENGTH OF BELT DRIVE MODELS ARE CONSIDERING WEATHER COVER ASSEMBLED FOR ALL MODELS.
2. WEIGHT OF BELT DRIVE UNITS DOES NOT INCLUDE PROTECTIVE INLET AND OUTLET GUARDS

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DYNAMO BELT DRIVE MODELS ELEVATIONS

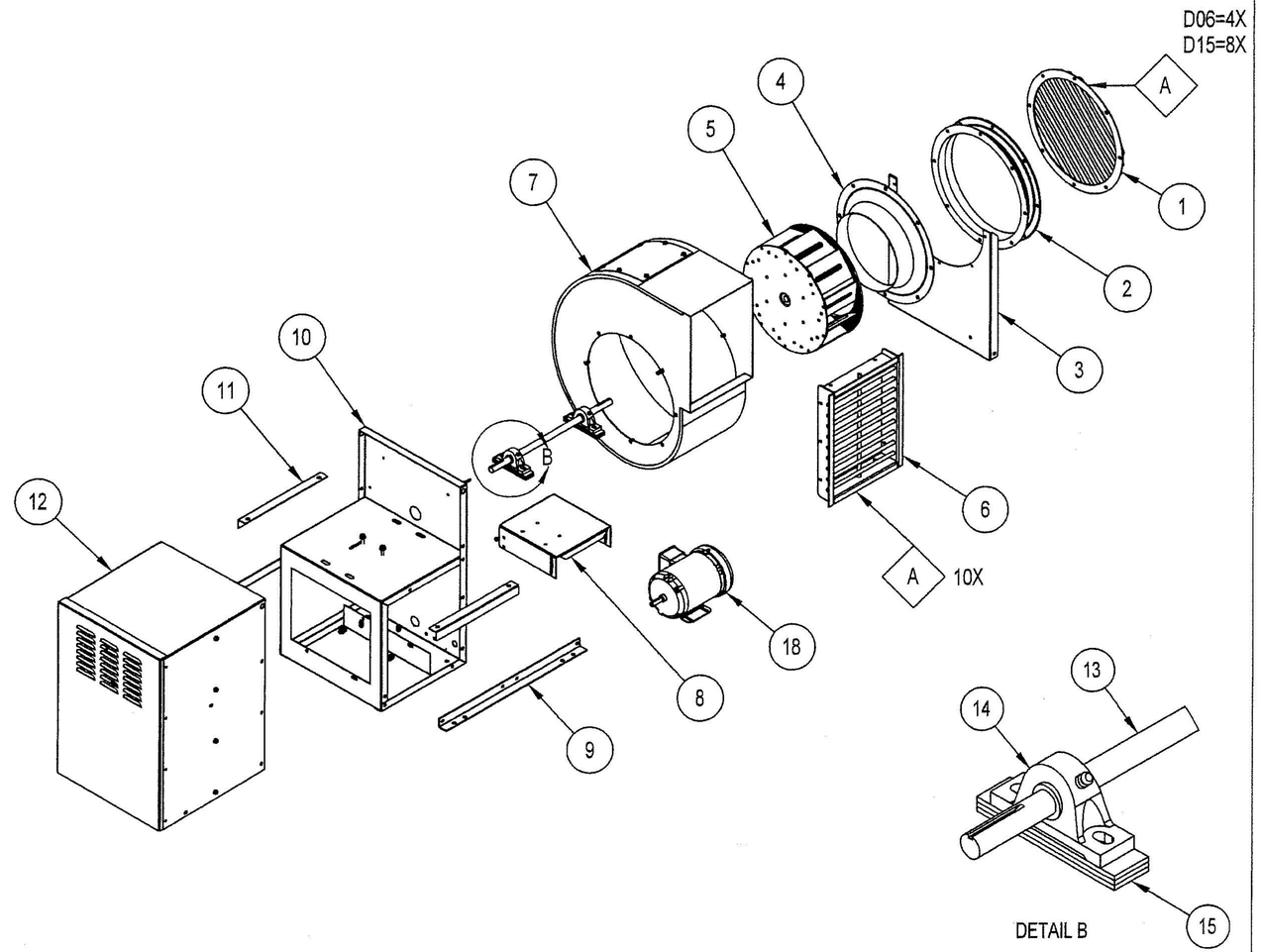
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SCALE: NTS	DATE: 10/31/2018	SHEET: 2 OF 14

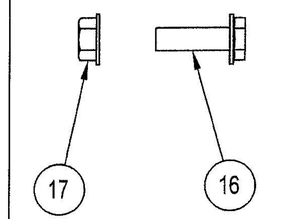
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ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL	D06 DIMS	D15 DIMS
1	30623-3	INLET GUARD	PENNBARRY	GALV STEEL	SEE SHEET 6	SEE SHEET 6
2	19480-4	INLET FLANGE	PENNBARRY	GALV STEEL	A = 13 3/4" B = 2 1/2"	A = 18 1/4" B = 2 1/2"
3	10695-1	SHORT VERTICAL SUPPORT	PENNBARRY	GALV STEEL	E = 14 1/4" F = 16 11/16" G = 1 5/16"	E = 19 5/16" F = 21" G = 1 7/16"
4	58116-0	INLET VENTURI	PENNBARRY	ALUMINUM	H = 13 3/4" I = 2 11/16"	H = 18 1/4" I = 3 9/16"
5	10803-0	FAN WHEEL ASSY.	PENNBARRY	GALV STEEL	C = 11 1/2" D = 1 5/16"	C = 16 3/16" D = 1 1/2"
6	30620-3	OUTLET GUARD ASSY.	PENNBARRY	GALV STEEL	SEE SHEET 6	SEE SHEET 6
7	16409504	BLOWER HOUSING ASSY.	PENNBARRY	GALV STEEL	J = 19 11/16" K = 12 3/4" L = 8 1/2" M = 22"	J = 26 5/16" K = 17 9/16" L = 11 7/8" M = 30"
8	~~10736-1~~	~~MOTOR MOUNTING PLATE~~	~~PENNBARRY~~	~~GALV STEEL~~		
9	13600-0	BASE ANGLE	PENNBARRY	GALV STEEL	O = 23"	O = 26 1/2"
10	26164-0	MOTOR MOUNT ASSY.	PENNBARRY	GALV STEEL	S = 22 5/8" T = 14 3/16" U = 14 1/16" V = 14 1/2"	S = 29 5/8" T = 19 1/4" U = 18 1/8" V = 16"
11	11222-1	BEARING SUPPORT ANGLE	PENNBARRY	GALV STEEL	N = 14 1/8"	N = 15 1/2"
12	10587-0	WEATHER COVER ASSY.	PENNBARRY	GALV STEEL	P = 14 1/2" Q = 21 1/16" R = 18 13/16"	P = 19 9/16" Q = 28 3/16" R = 19 7/8"
13	~~19797-0~~	~~FAN SHAFT~~	~~PENNBARRY~~	~~ALLOY STEEL~~		
14	57090-0	BEARINGS	DODGE	STEEL		
15	~~11216-0~~	~~SHAFT BEARING SHIM~~	~~PENNBARRY~~	~~GALV STEEL~~		
16	55647-0	5/16-18 1" FLANGED BOLT	-	ZINC STEEL		
17	55501-0	5/16-18 FLANGED NUT	-	ZINC STEEL		
18	-	ELECTRIC MOTOR	-	STEEL		

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REV.	DESCRIPTION	DATE	APPROVED
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NOTES:
SAMPLE SHOWN FOR D06 & D15 BELT DRIVE DYNAMO

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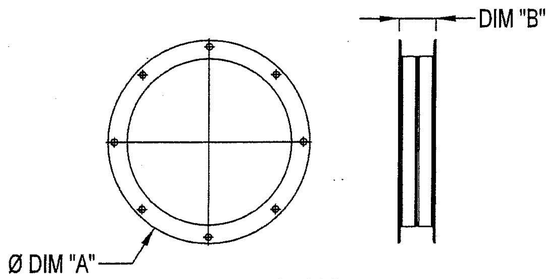
DYNAMO
BELT DRIVE MODELS
BELT DRIVE BOM - EXPLODED VIEW

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IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	3 OF 14

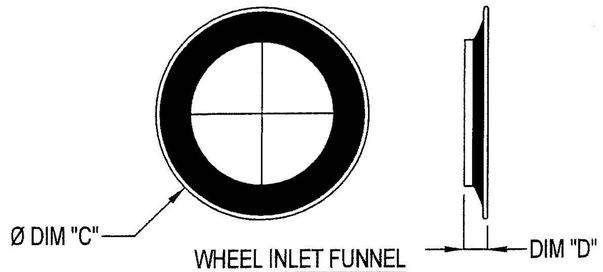
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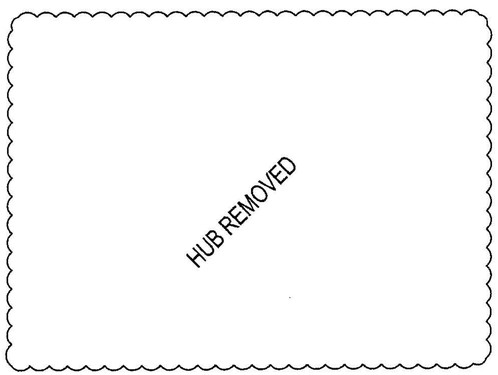
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REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-

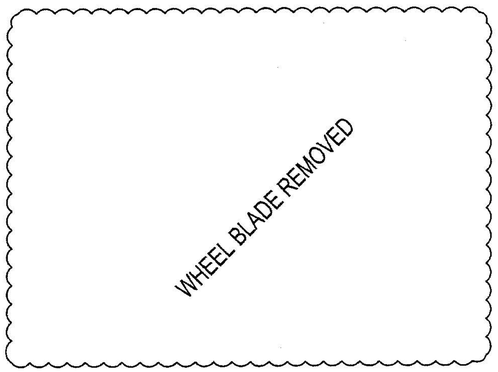


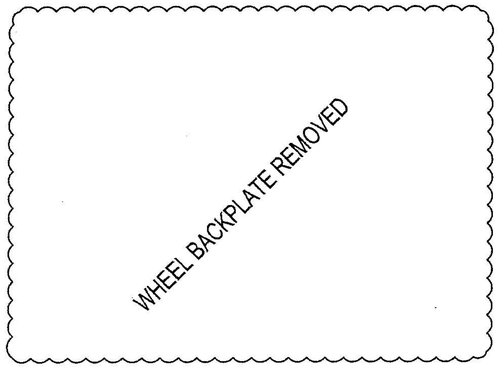
INLET FLANGE
SAMPLE: D06 & D15 SIZE
MATERIAL : GALV. STEEL, 10GA

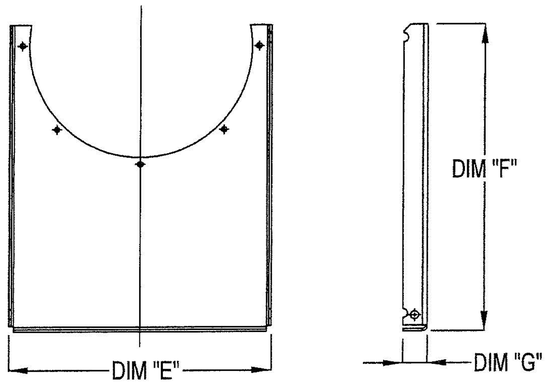


WHEEL INLET FUNNEL
SAMPLE : D06 & D15 SIZE
MATERIAL : AL. ALLOY, 0.08" THK

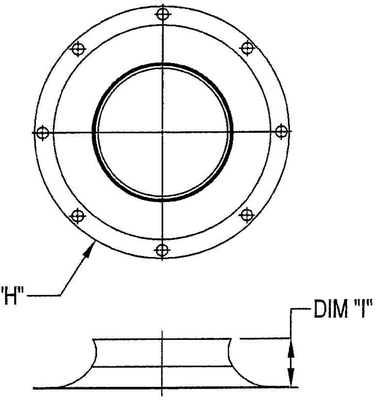




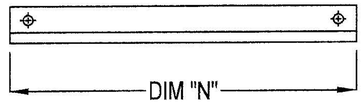


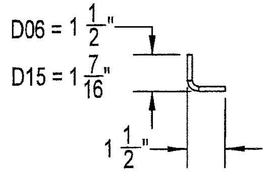


VERTICAL SUPPORT
SAMPLE : D06 & D15 SIZE
MATERIAL : GALV. STEEL, 14GA

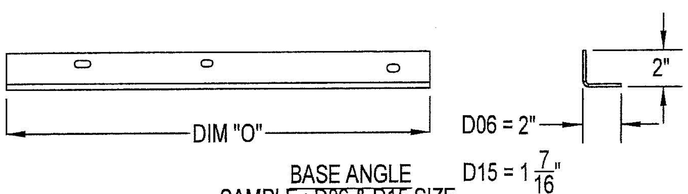


SPUN VENTURI
SAMPLE : D06 & D15 SIZE
MATERIAL : AL. ALLOY, 0.05" THK

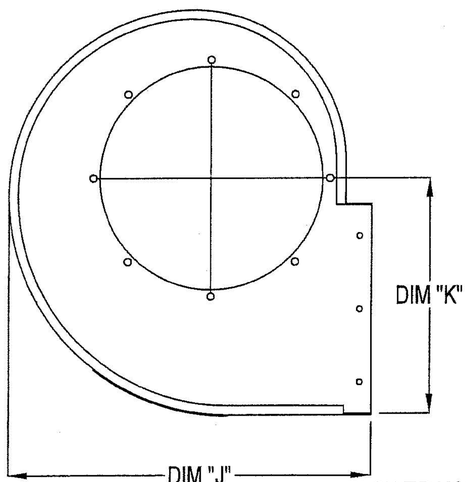


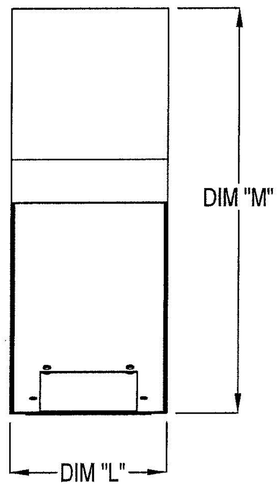


BEARING SUPPORT ANGLE
SAMPLE : D06 & D15 SIZE
MATERIAL : GALV. STEEL, 10GA



BASE ANGLE
SAMPLE : D06 & D15 SIZE
MATERIAL : GALV. STEEL, 10GA





BLOWER HOUSING
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 16 GA
D15 = 14 GA

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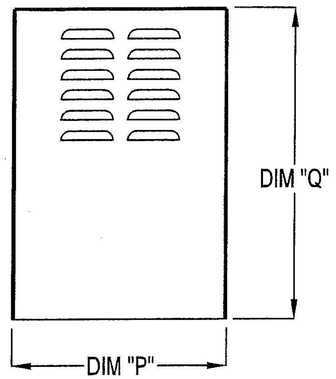
DYNAMO
BELT DRIVE MODELS
INDIVIDUAL PARTS DETAIL

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	4 OF 14

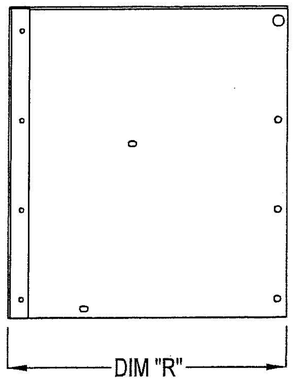
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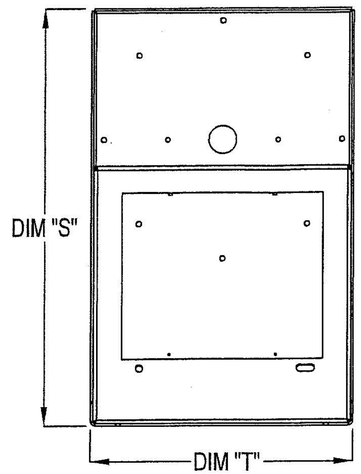
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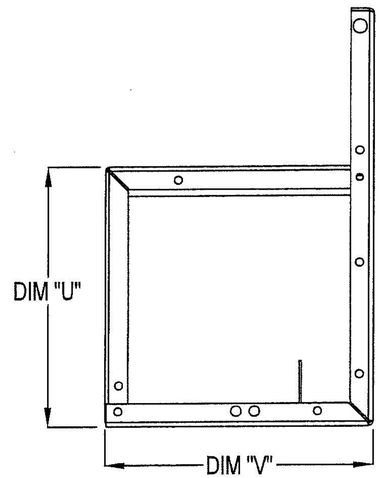
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-



WEATHER COVER
SAMPLE : D06 & D15 SIZE
MATERIAL : GALV. STEEL, 18GA







MOTOR MOUNT ASSEMBLY
SAMPLE : D06 & D15 SIZE
MATERIAL : GALV. STEEL, 14GA

MOTOR PLATE REMOVED

ORIFICE PLATE REMOVED

INLET GUARD MOVED TO SHEET 6

OUTLET GUARD MOVED TO SHEET 6

FAN SHAFT REMOVED

BEARING SHIM REMOVED

NOTES:
1. INLET & OUTLET GUARD DETAILS ON SHEET 6.

GARY T. HARTMAN
LICENSE
No. 73227
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

DYNAMO
BELT DRIVE MODELS
INDIVIDUAL PARTS DETAIL

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 5 OF 14

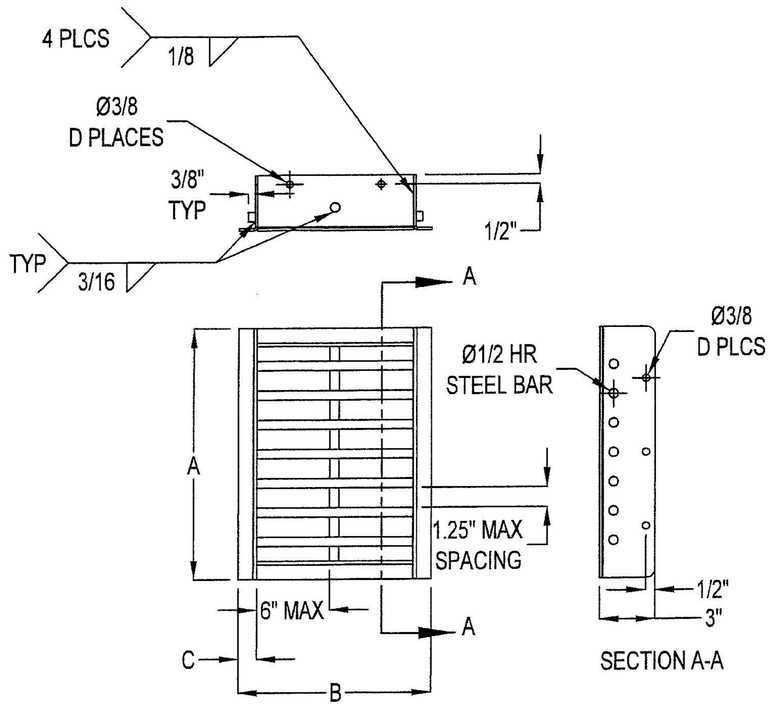
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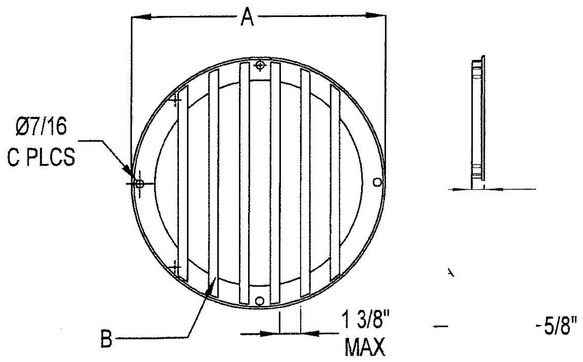
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-

OUTLET GUARD CHART

UNIT SIZE	A	B	C	D	FASTENER TYPE	FASTENER QTY
D06	13.56	10.47	1.00	2	5/16-18 X 1.00" HH BOLT	10
D07						
D08						
D10						
D12	14.28	12.56	1.00	2	5/16-18 X 1.00" HH BOLT	10
D13	16.66	12.72	1.00	2	5/16-18 X 1.00" HH BOLT	10
D15	18.05	13.88	1.00	2	5/16-18 X 1.00" HH BOLT	10
D16	19.80	15.00	1.00	2	5/16-18 X 1.00" HH BOLT	10
D18	22.22	16.88	1.25	3	5/16-18 X 1.00" HH BOLT	12



OUTLET GUARD
SAMPLE : D06 & D15 SIZE
MATERIAL : GALV. STEEL, 10 GA



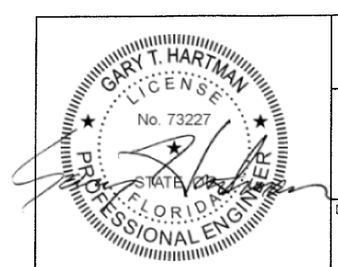
INLET GUARD
SAMPLE : D06 SIZE
MATERIAL : GALV. STEEL, 10GA
D15 = 12GA

NOTES:

INLET GUARD CHART

1. INLET GUARD REQUIRED ONLY WHEN UNIT HAS UNDUCTED INLET.

UNIT SIZE	A	B	C	FASTENER TYPE	FASTENER QTY
D06	13.75	11.25	4	5/16-18 X 1.00" HH BOLT	4
D07					
D08					
D10					
D12	15.5	13	4	5/16-18 X 1.00" HH BOLT	4
D13	16.5	14	4	5/16-18 X 1.00" HH BOLT	4
D15	18.25	15.75	8	5/16-18 X 1.00" HH BOLT	8
D16	19.75	17.25	8	5/16-18 X 1.00" HH BOLT	8
D18	22	19	8	5/16-18 X 1.00" HH BOLT	8



12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

DYNAMO
BELT DRIVE MODELS
INLET GUARD DETAIL

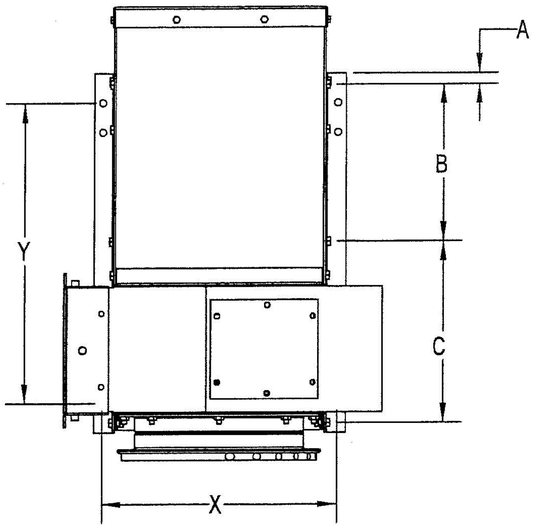
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IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 6 OF 14

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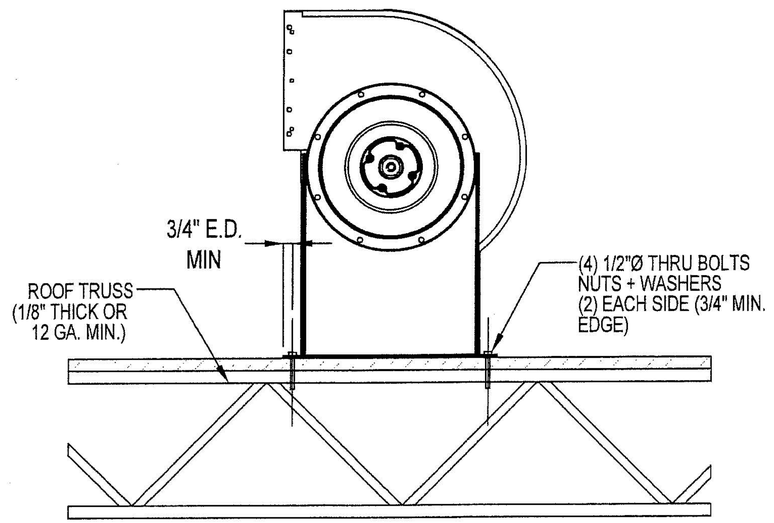
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REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-

TOP VIEW ANCHOR PLACEMENT

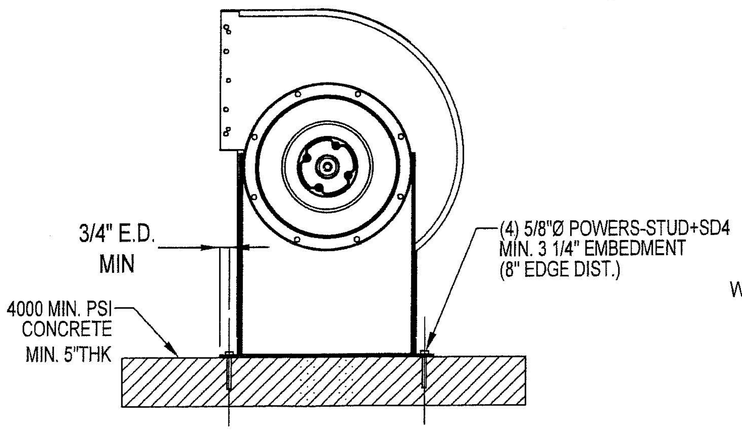


			ROOF CURB TO ROOF DECK ANCHORS		
			CONCRETE ROOF	WOOD ROOF	STEEL ROOF
	X	Y	No. OF ANCHORS	No. OF ANCHORS	No. OF ANCHORS
D06	15.96	20.375	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D07					
D08					
D10					
D12	18.95	22.50	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D13	18.95	22.50	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D15	21.04	22.50	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)

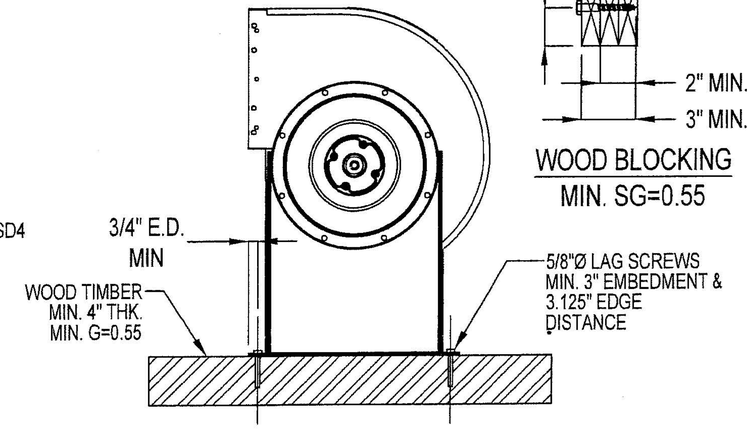
	FAN BASE ANGLE BOLTS				
	A	B	C	BOLT TYPE	No. OF BOLTS
D06	0.625	10.82	12.31	3/8-16 X 3/4	6 (3 PER SIDE)
D07					
D08					
D10					
D12	0.625	11.31	13.94	3/8-16 X 3/4	6 (3 PER SIDE)
D13	0.625	11.31	13.94	3/8-16 X 3/4	6 (3 PER SIDE)
D15	0.625	12.63	15.44	3/8-16 X 3/4	6 (3 PER SIDE)



STEEL ANCHORING



CONCRETE DECK ANCHORING



WOOD ANCHORING

DIRECT MOUNT

NOTES:
1. ANCHORING POSITIONS FOR METAL, WOOD, AND CONCRETE DECK ARE THE SAME.
2. REFER TO NOTES 6, 7, 7.1, & 8 ON SHEET 1 FOR THE TYPE OF ANCHORS FOR STEEL, CONCRETE AND WOOD ROOF.

GARY T. HARTMAN LICENSE No. 73227 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

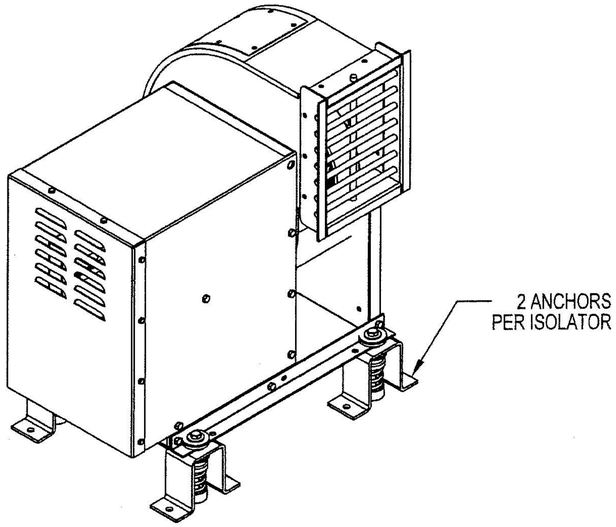
DYNAMO BELT DRIVE MODELS INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	7 OF 14

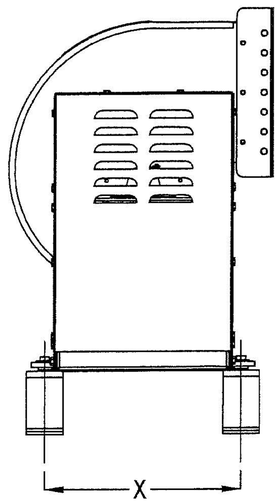
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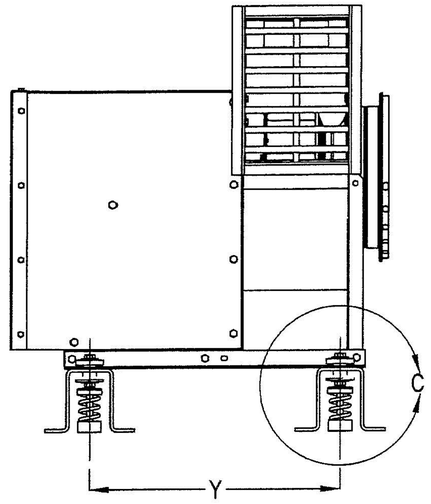
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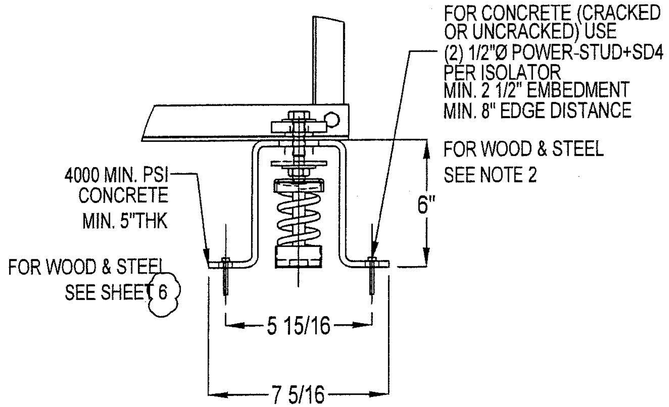
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-



SPRING ISOLATOR ANCHORING







DETAIL C
SCALE 1 : 6

NOTES:
1. PART NUMBERS OF SPRING ISOLATORS ARE SHOWN IN THE TABLE.
2. ANCHORING POSITIONS FOR METAL AND WOOD DECK ARE SAME, WITH 2 ANCHORS PER ISOLATOR.
3. REFER TO NOTES 6, 7, 7.1, & 8 ON SHEET 1 FOR THE TYPE OF ANCHORS FOR STEEL, CONCRETE AND WOOD ROOF.
4. ALL ISOLATORS IN TABLE AT LEFT HAVE SAME DIMENSIONS, SHOWN IN DETAIL C.

BELT DRIVE MODELS			
SIZE	X	Y	SPRING ISOLATORS (QTY)
D06	15.96	20.375	50830-0 (4)
D07			
D08			
D10			
D12	18.95	22.50	50831-0 (4)
D13	18.95	22.50	50831-0 (4)
D15	21.04	22.50	50831-0 (4)



12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

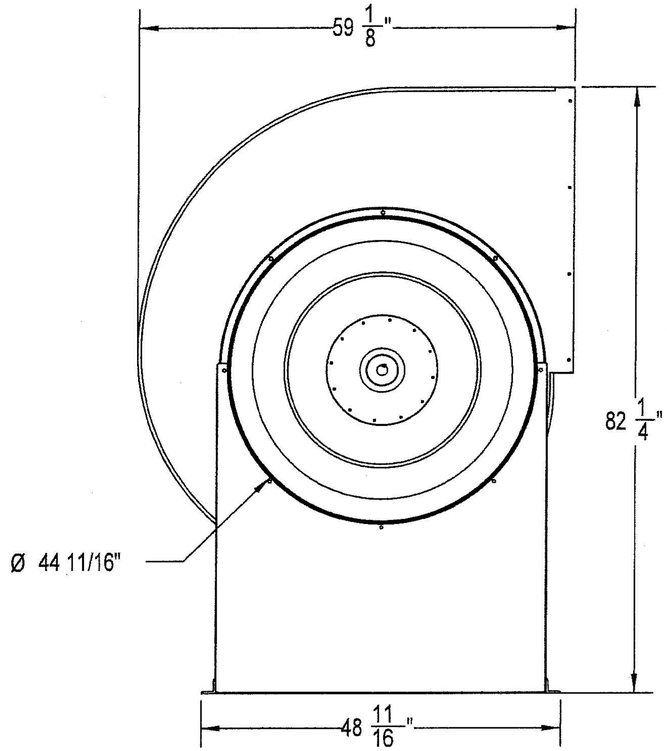
DYNAMO
BELT DRIVE MODELS
INSTALLATION DETAILS

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 8 OF 14

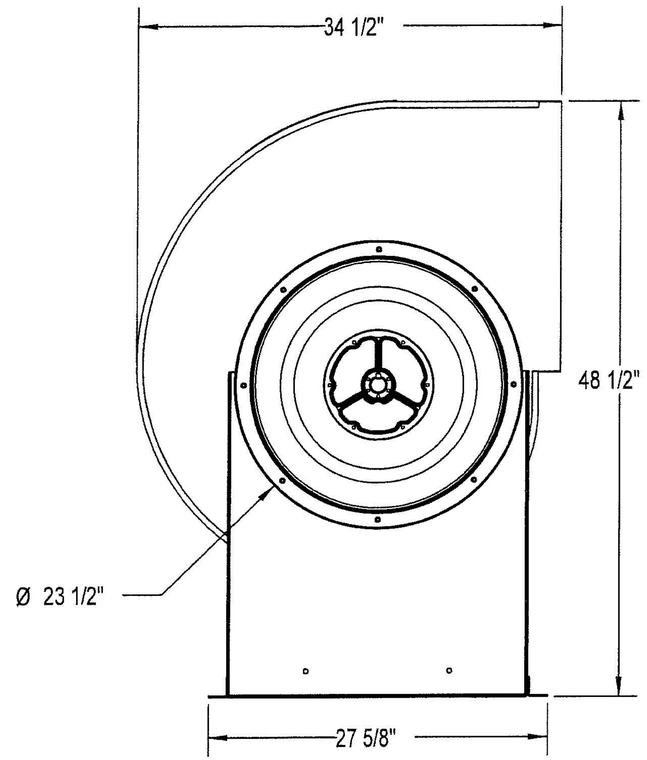
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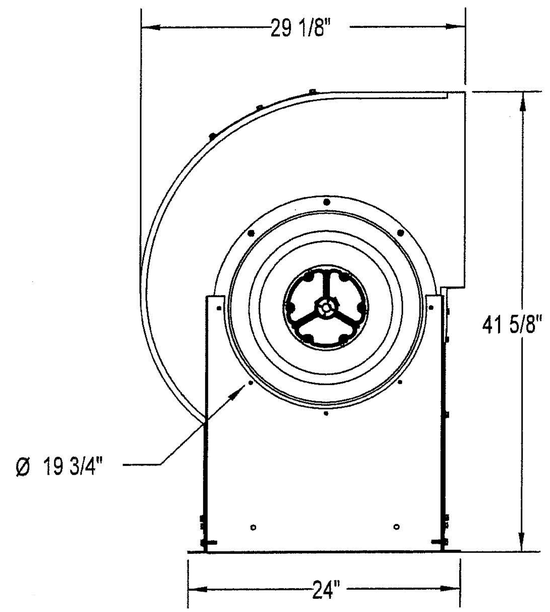
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
E	Revised Design Pressure	12/20/21	-



D36 DYNAMO BELT DRIVE
ELEVATION VIEW



D20 DYNAMO BELT DRIVE
ELEVATION VIEW



D16 DYNAMO BELT DRIVE
ELEVATION VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 52.5 PSF	LARGE AND SMALL MISSILE IMPACT

NOTES:
1. LENGTH OF BELT DRIVE MODELS ARE CONSIDERING WEATHER COVER ASSEMBLED FOR ALL MODELS.
2. WIDTH OF BELT DRIVES MODELS ARE WITHOUT BASE ANGLES SUPPORTS FOR ALL MODELS.
3. LENGTH OF DIRECT DRIVE MODELS ARE CONSIDERING WEATHER COVER ASSEMBLED FOR ALL MODELS.
4. WIDTH OF DIRECT DRIVE MODELS ARE WITH BASE ANGLES SUPPORTS FOR ALL MODELS

BELT DRIVE MODELS					
NAME	LENGTH	WIDTH	HEIGHT	WEIGHT	SPRING ISOLATOR MODELS
D16	34-1/2	29-1/8	41-5/8	194	50819-0
D18	39-1/8	32-3/8	45-5/8	274	50820-0
D20	44-3/4	34-1/2	48-1/2	312	50821-0
D22	47	37-5/8	54	351	
D24	49	40-7/8	59-3/8	462	
D30	60	51-7/8	72-1/2	875	50822-0
D36	65-1/8	59-1/8	82-1/4	1250	50823-0

GARY T. HARTMAN LICENSE No. 73227 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

DYNAMO BELT DRIVE MODELS ELEVATIONS

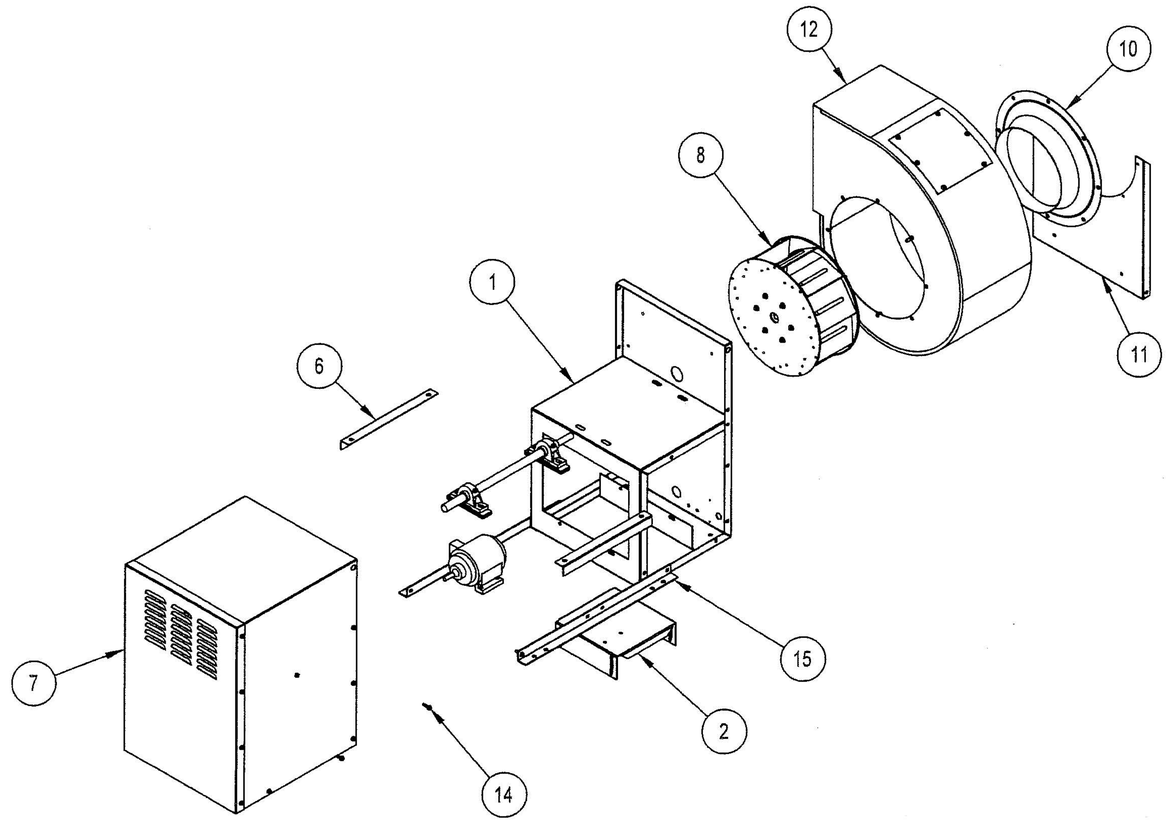
DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	9 OF 14

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ITEM NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL	D16 DIMS	D20 DIMS	D36 DIMS
1	26167-0	MOTOR MOUNT ASSY.	PENNBARRY	GALV. STEEL	Q = 32 3/8" R = 20 3/4" S = 20 1/8" T = 16"	Q = 37 5/8" R = 24 1/4" S = 23 5/8" T = 20"	Q = 66 3/16" R = 44 5/16" S = 41 3/8" T = 24 5/8"
2	~~10737-0~~	~~MOTOR MOUNTING PLATE~~	~~PENNBARRY~~	~~GALV. STEEL~~			
3	~~11210-0~~	~~SHAFT BEARING SHIM~~	~~PENNBARRY~~	~~GALV. STEEL~~			
4	~~11210-0~~	~~SHAFT BEARING SHIM~~	~~PENNBARRY~~	~~GALV. STEEL~~			
5	57091-0	BEARINGS	DODGE	STEEL			
6	10885-1	BEARING SUPPORT ANGLE	PENNBARRY	GALV. STEEL	J = 15 1/2"	J = 19 3/8"	J = 24"
7	10596-0	WEATHER COVER ASSY.	PENNBARRY	GALV. STEEL	N = 21 1/16" O = 20 13/16" P = 30 11/16"	N = 24 9/16" O = 28 9/16" P = 35 15/16"	N = 45 3/16" O = 35 1/16" P = 64 3/8"
8	~~10810-0~~	~~FAN WHEEL ASSY.~~	~~PENNBARRY~~	~~GALV. STEEL~~			
9	~~03366-0~~	~~SHAFT~~	~~PENNBARRY~~	~~GALV. STEEL~~			
10	58122-0	SPUN VENTURI	PENNBARRY	GALV. STEEL	G = 19 3/4" H = 4 11/16"	G = 23 1/2" H = 5 7/16"	G = 44 11/16" H = 12 1/2"
11	10717-0	SHORT VERTICAL SUPPORT	PENNBARRY	GALV. STEEL	K = 20 3/4" L = 22 13/16" M = 1 1/4"	K = 24 7/16" L = 26 5/8" M = 1 5/8"	K = 44 11/16" L = 44 15/16" M = 1 11/16"
12	16409507	BLOWER HOUSING	PENNBARRY	GALV. STEEL	C = 28 3/4" D = 19 3/16" E = 12" F = 32 15/16"	C = 34 1/2" D = 22 15/16" E = 12 1/16" F = 39 5/16"	C = 59 1/8" D = 38 3/16" E = 28 15/16" F = 66 1/2"
13	D20 - MOTOR	MOTOR	-	-			
14	55634-0	3/8"-16 X 3/4" FLANGED BOLT	-	-			
15	10888-0	BASE ANGLE	PENNBARRY	GALV. STEEL	I = 26 1/2"	I = 36 3/4"	I = 55 1/2"
-	-	MOUNTING RING	PENNBARRY	GALV. STEEL	A = 19 3/4" B = 1 1/4"	A = 23 1/2" B = 1 1/2"	A = 44 1/8" B = 1 1/2"

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



NOTES:
SAMPLE SHOWN FOR D16, D20, & D36 BELT DRIVE DYNAMO

GARY T. HARTMAN
LICENSE
No. 73227
STATE OF FLORIDA
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12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

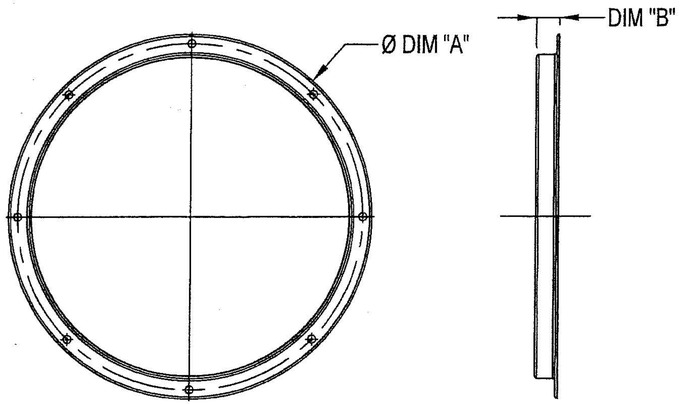
DYNAMO
BELT DRIVE MODELS
BELT DRIVE BOM - EXPLODED VIEW

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE	DATE	SHEET
NTS	10/31/2018	10 OF 14

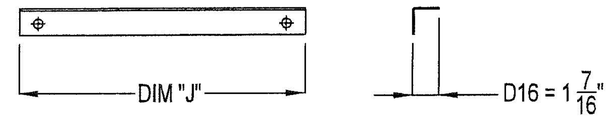
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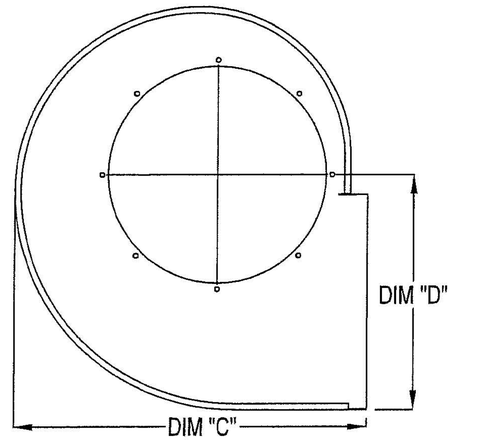
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REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-

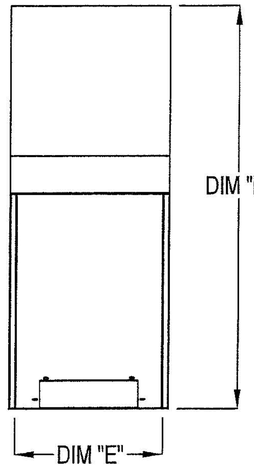


MOUNTING RING
SAMPLE : D16 & D20 SIZE
MATERIAL : GALV. STEEL, 10GA
D36 = HOT ROLLED ANGLE

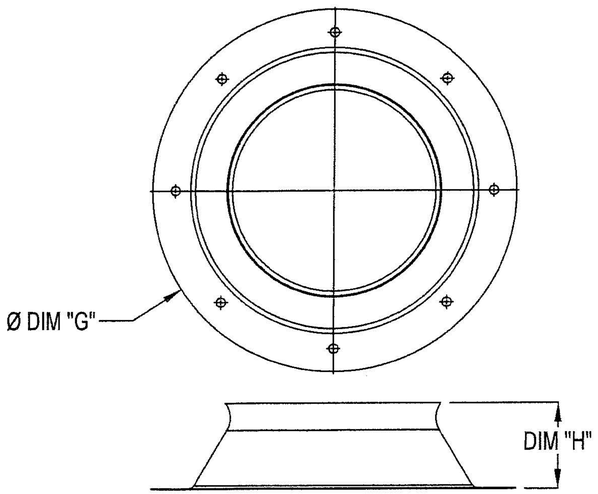


BEARING SUPPORT ANGLE
SAMPLE : D16 SIZE
MATERIAL : GALV. STEEL, 10GA
D20 = 8GA, D36 = 1/4" THICK

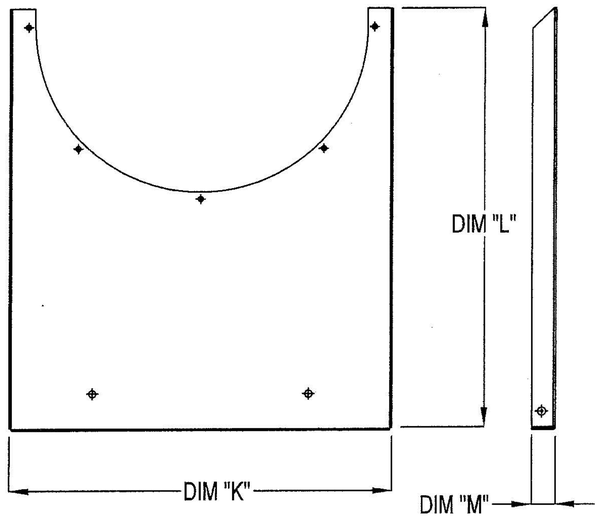




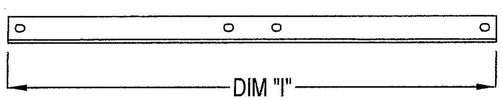
BLOWER HOUSING
SAMPLE : D16 & D20 SIZE
MATERIAL : GALV. STEEL, 12GA (PER TEST REPORT)
D36 = 14GA

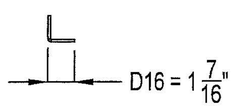


SPUN VENTURI
SAMPLE : D16, D20, & D36 SIZE
MATERIAL : ALLOY STEEL, 0.0625" THK.



VERTICAL SUPPORT
SAMPLE : D16, D20, & D36 SIZE
MATERIAL : GALV. STEEL, 12GA





BASE ANGLE
SAMPLE : D16 SIZE
MATERIAL : GALV. STEEL, 10GA
D20 = 8GA, D36 = 1/4" THICK

GARY T. HARTMAN LICENSE No. 73227 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

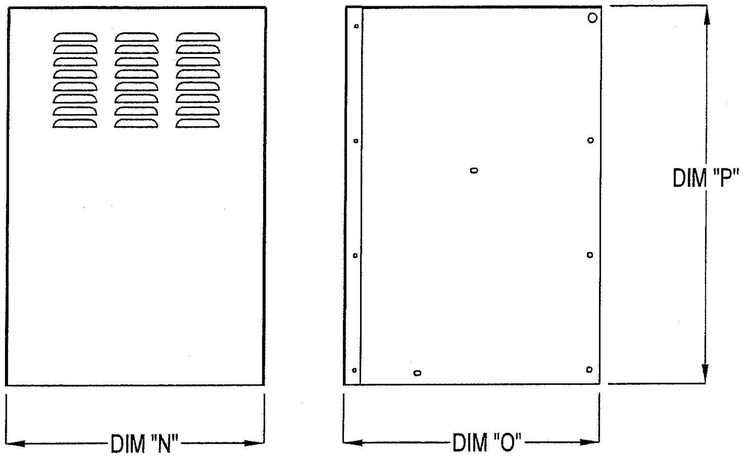
DYNAMO
BELT DRIVE MODELS
INDIVIDUAL PARTS DETAIL

DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 11 OF 14

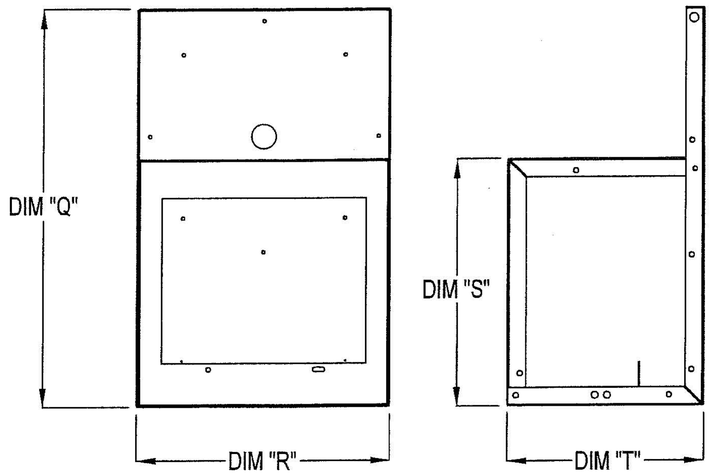
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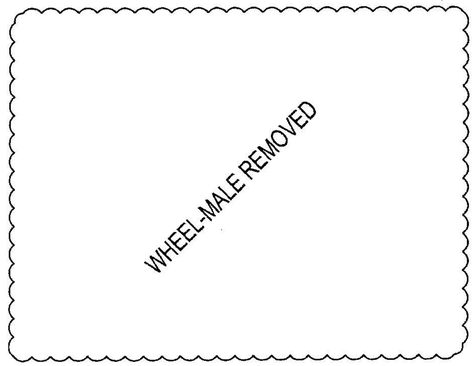
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-



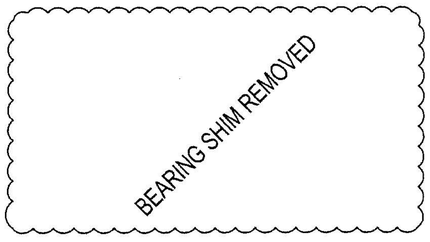
WEATHER COVER ASSY
SAMPLE : D16, D20, & D36 SIZE
MATERIAL : GALV. STEEL, 16GA

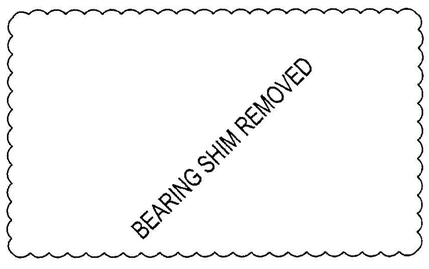


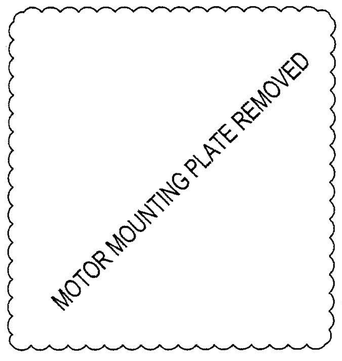
MOTOR MOUNT ASSY
SAMPLE : D16, D20, & D36 SIZE
MATERIAL : GALV. STEEL, 14GA

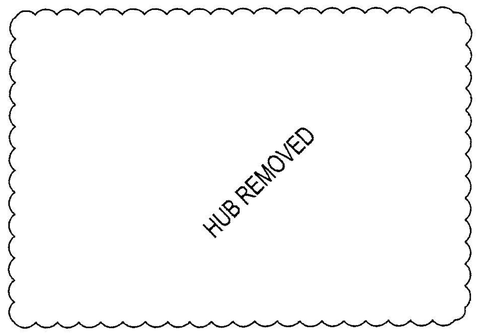


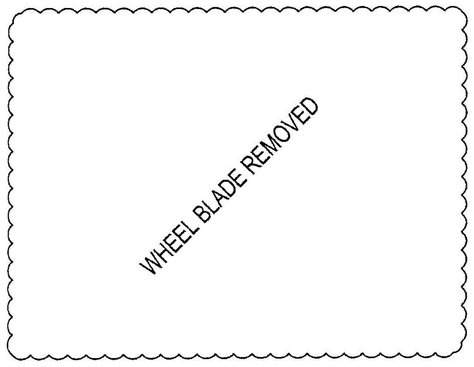














12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

DYNAMO
BELT DRIVE MODELS
INDIVIDUAL PARTS DETAIL

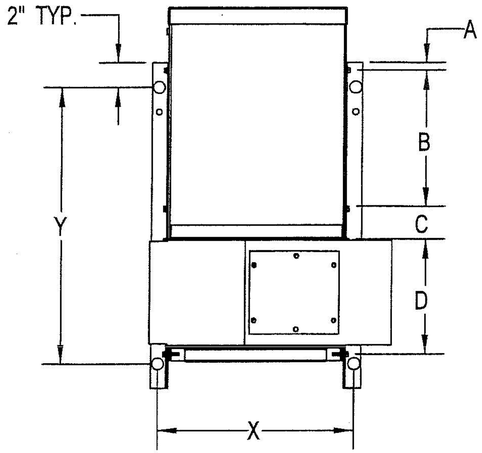
DRAWN:	DWG NO.	REV
IC	24553-0	B
SCALE: NTS	DATE: 10/31/2018	SHEET: 12 OF 14

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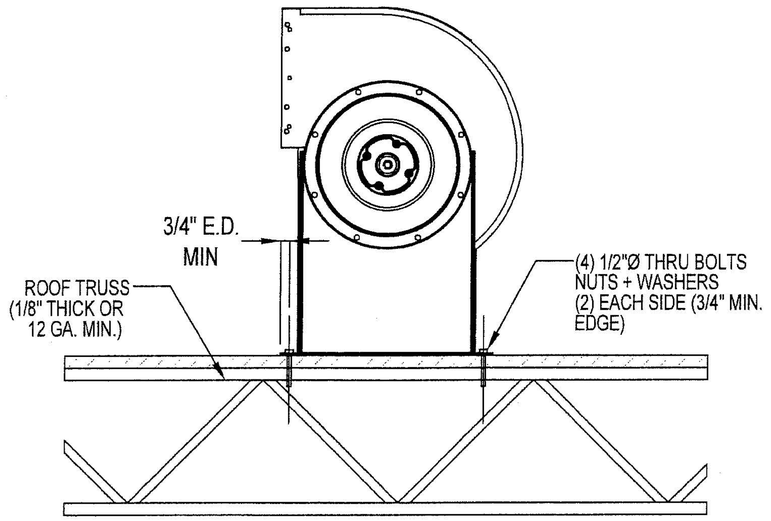
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-

TOP VIEW
ANCHOR PLACEMENT

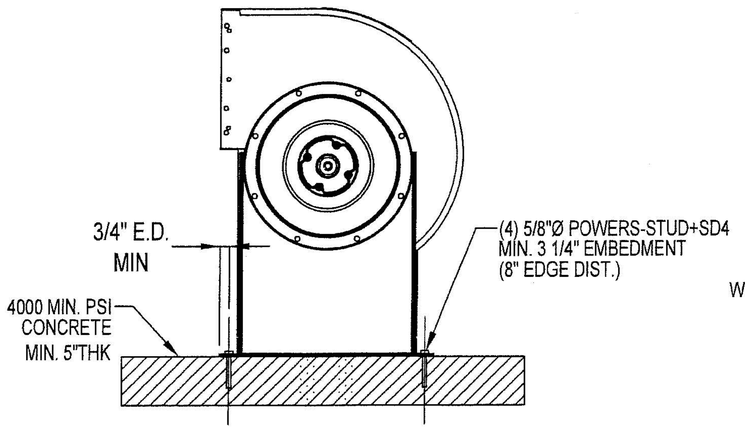


			ROOF CURB TO ROOF DECK ANCHORS		
			CONCRETE ROOF	WOOD ROOF	STEEL ROOF
SIZE	X	Y	No. OF ANCHORS	No. OF ANCHORS	No. OF ANCHORS
D16	20 3/4	28 3/4	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D18	22 1/2	32	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D20	24 1/4	34 3/4	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D22	28	37	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D24	29	39	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D30	39 3/8	46 3/8	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)
D36	44 3/4	51 1/2	4 (2 PER SIDE)	4 (2 PER SIDE)	4 (2 PER SIDE)

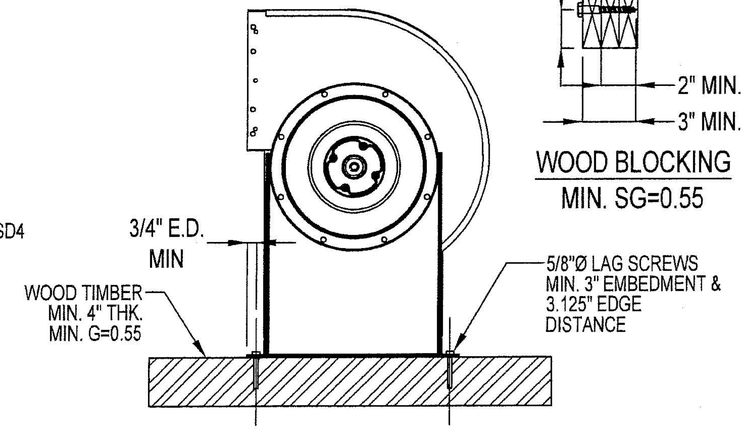
FAN BASE ANGLE BOLTS						
SIZE	A	B	C	D	BOLT TYPE	No. OF BOLTS
D16	0.625	12.4375	-	17	3/8 -16 x 3/4	6(3 PER SIDE)
D18	0.625	14.375	-	18.375	3/8 -16 x 3/4	6(3 PER SIDE)
D20	0.625	15.00	-	20.5	3/8 -16 x 3/4	6(3 PER SIDE)
D22	0.625	16.375	-	21.625	3/8 -16 x 3/4	6(3 PER SIDE)
D24	0.625	15.00	-	24.75	3/8 -16 x 3/4	6(3 PER SIDE)
D30	0.875	18.25	2.75	27.25	3/8 -16 x 3/4	8(4 PER SIDE)
D36	0.875	18.25	2.75	32.75	3/8 -16 x 3/4	8(4 PER SIDE)



STEEL ANCHORING



CONCRETE DECK ANCHORING



WOOD ANCHORING

WOOD BLOCKING
MIN. SG=0.55

DIRECT MOUNT

NOTES:
1. ANCHORING POSITIONS FOR METAL, WOOD, AND CONCRETE DECK ARE THE SAME.
2. REFER TO NOTES 6, 7, 7.1, & 8 ON SHEET 1 FOR THE TYPE OF ANCHORS FOR STEEL, CONCRETE AND WOOD ROOF.

GARY T. HARTMAN
LICENSE
No. 73227
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

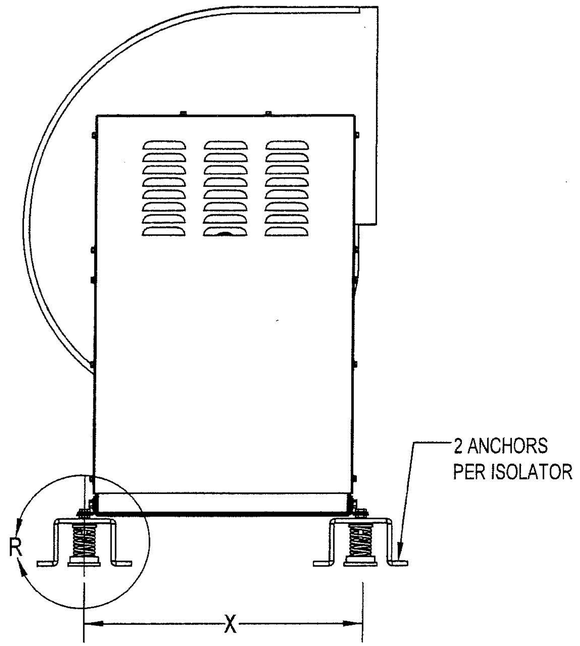
DYNAMO
BELT DRIVE MODELS
INSTALLATION DETAILS

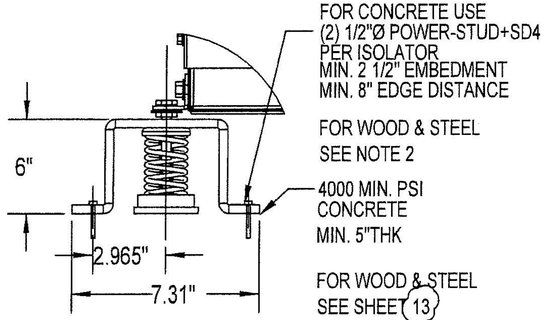
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SCALE	DATE	SHEET
NTS	10/31/2018	13 OF 14

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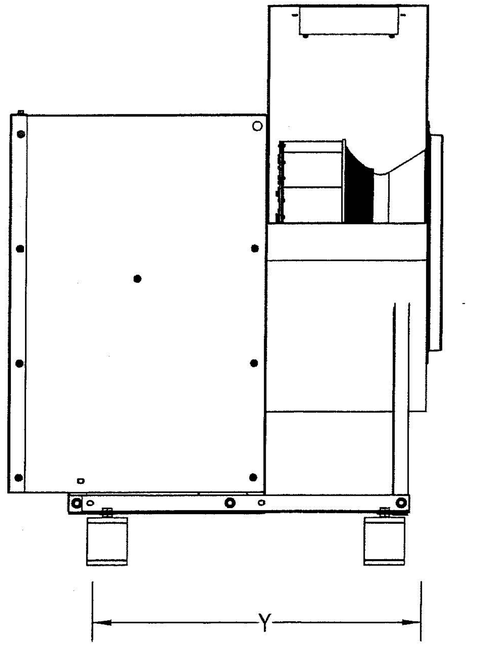
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
D	REVISIONS PER MARKUPS	05/29/2019	-

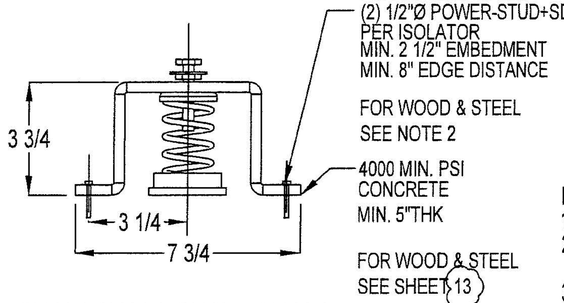




50819-0 (SPRING ISOLATOR
1" DEFLECTION)

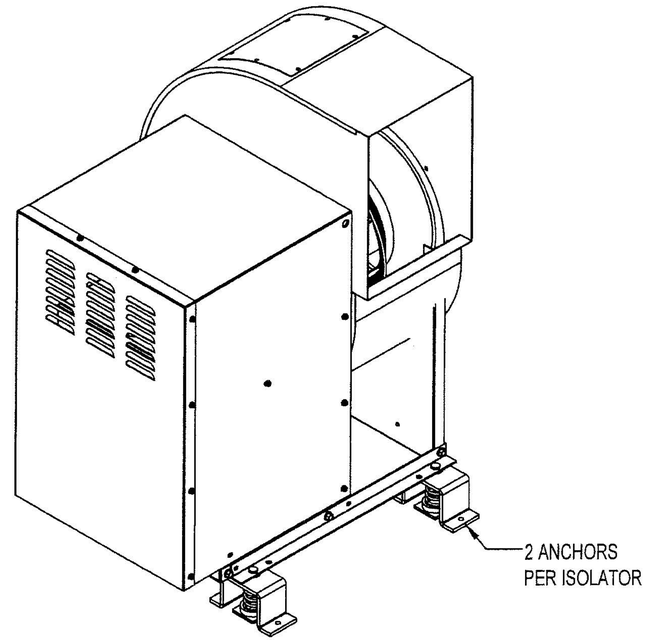
DETAIL R





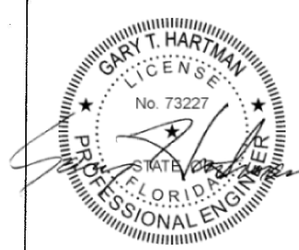
50820-0,50821-0, 50822-0, 50823-0
(SPRING ISOLATOR 2" DEFLECTION)

DETAIL R



NOTES:
1. PART NUMBERS OF SPRING ISOLATORS ARE SHOWN IN THE TABLE.
2. ANCHORING POSITIONS FOR METAL AND WOOD DECK ARE SAME, WITH 2 ANCHORS PER ISOLATOR.
3. REFER TO NOTES 6, 7, 7.1, & 8 ON SHEET 1 FOR THE TYPE OF ANCHORS FOR STEEL, CONCRETE AND WOOD ROOF.
4. ALL ISOLATORS IN TABLE AT LEFT HAVE SAME DIMENSIONS, SHOWN IN DETAIL R.

MODEL	X	Y	SPRING ISOLATORS (QTY)
D16	20 3/4	28 3/4	50819-0 (4)
D18	22 1/2	32	50820-0 (4)
D20	24 1/4	34 3/4	50821-0 (4)
D22	28	37	50821-0 (4)
D24	29	39	50821-0 (4)
D30	39 3/8	46 3/8	50822-0 (4)
D36	44 3/4	51 1/2	50823-0 (4)



12/20/2021

PennBarry 605 Shiloh RD Plano, TX 75074

DYNAMO
BELT DRIVE MODELS
INSTALLATION DETAILS

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