

VA5129A-1 AVW VACUUM ARCH (Single)



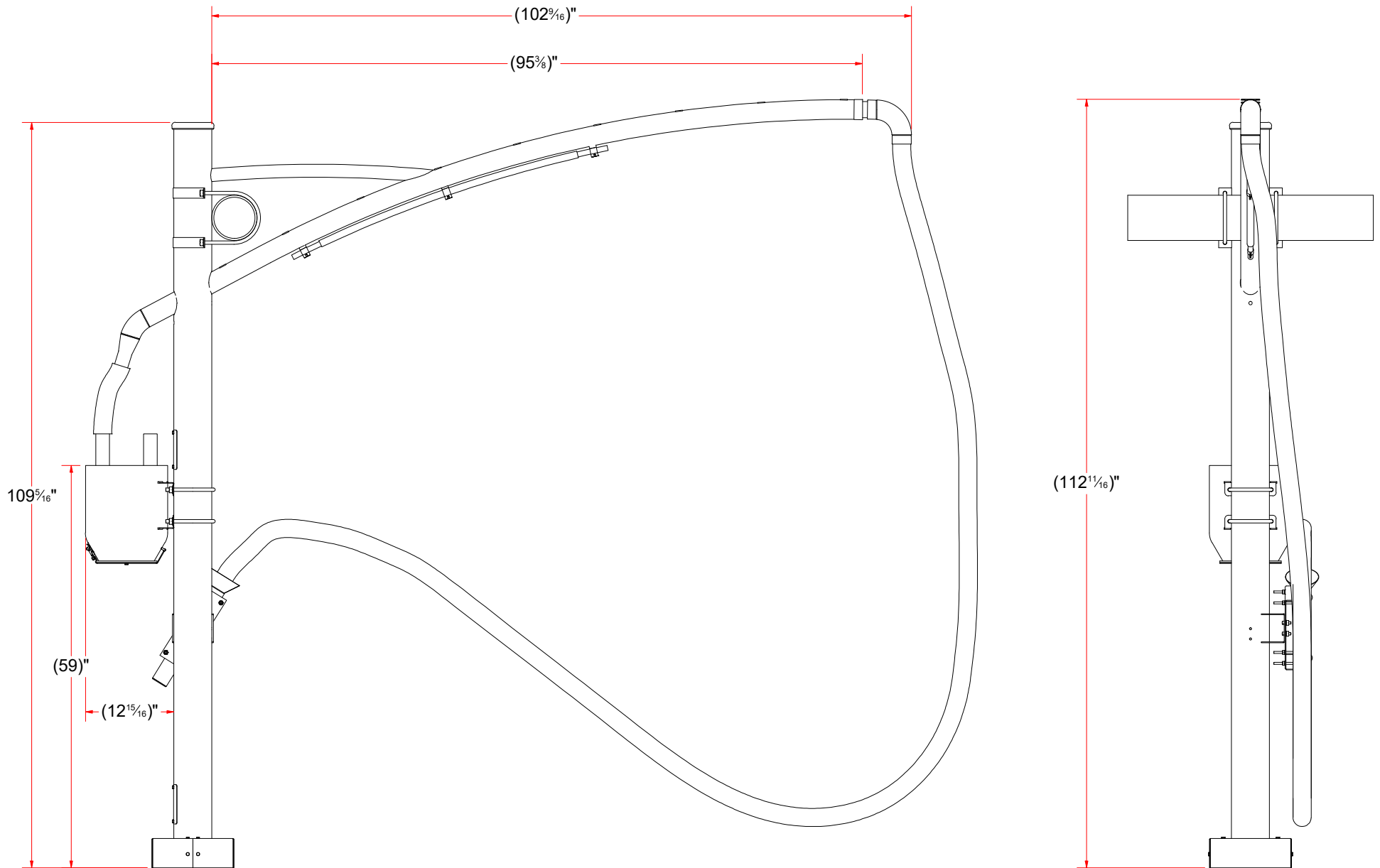
AVW EQUIPMENT CO., INC.
105 S. 9TH AVENUE
MAYWOOD, IL 60153
Tel: 708-343-7738 Fax: 708-343-9065
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QTY		DESCRIPTION: AVW Standard Vacuum Arch (108 in. Post)	
RELEASE DATE	12/22/2021	PART NUMBER: VA5129A-1	REV# 2
DIMENSION ARE IN INCHES & PROVIDED PRIOR TO SURFACE TREATMENTS, UNLESS NOTED.		SIZE A	EST WEIGHT:
			SHEET 1 of 25

PATH:L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\VA5129A-1 AVW Standard Vacuum Arch (108 in. Post) (Single).iam



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CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: AVW Standard Vacuum Arch (108 in. Post)

RELEASE
DATE

12/22/2021

PART NUMBER: VA5129A-1

REV# 2

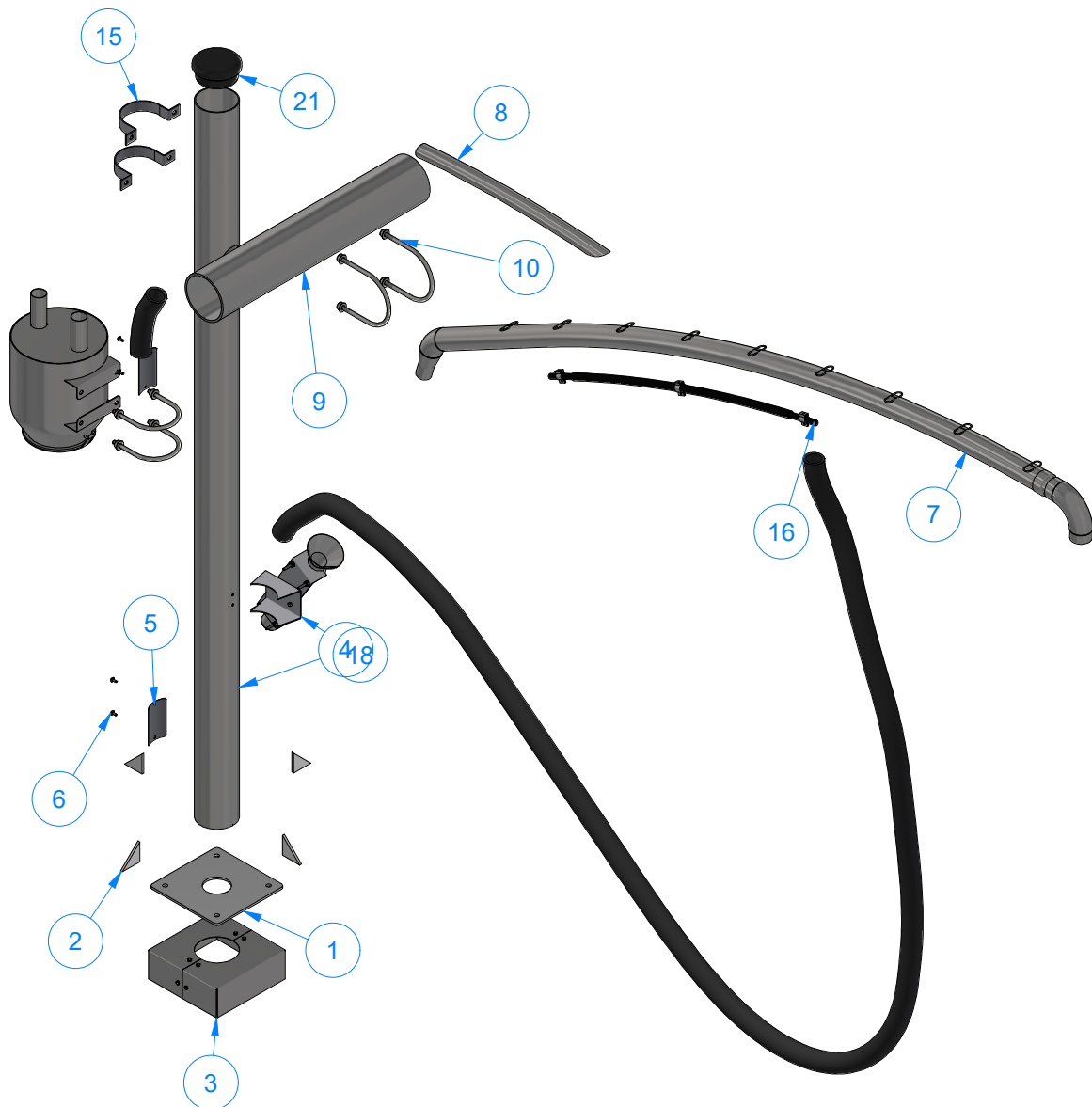
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SIZE
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SHEET 2 of 25

PATH: L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\VA5129A-1 AVW Standard Vacuum Arch (108 in. Post) (Single).iam



Parts List		
ITEM	QTY	DESCRIPTION
1	1	Plate #5/16" x 11 3/4" x 11 3/4"
2	4	Gusset #5/16" x 3" x 3"
3	1	Base Plate Cover Assembly
4	1	Vacuum Arch Post - 5 in Pipe x Sch10 x 108 LG knock-outs removed
5	2	Sheet Metal #14Ga. 5 3/4"x 3 1/4"
6	4	1/4" - 20 x 0.5" UNC Square Screw
7	1	Vacuum Canopy Top Pipe Assembly
8	1	Pipe - 1 1/2 x Sch10 x 33" LG.
9	1	Sch40,6in Pipe Size. Length depends on the number of vacuums at a certain location.
10	2	Round U-Bolts
11	8	1/2"-13 Stainless Steel Hex Nut
13	2	Round U Bolt D 1/2" x 5 5/8" x 6 1/2" LG
14	8	1/2" Flat Washer
15	2	Vacuum Pipe Clamp
16	1	Light Bar w mounting brackets
18	1	Claw Holder (Stainless Steel) - D
21	1	UHMW Vacuum Cap
29	1	VACUUM SEPARATOR - TWO INLETS
30	1	



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PROJECT:

QTY

DESCRIPTION: AVW Standard Vacuum Arch (108 in. Post)

RELEASE DATE

12/22/2021

PART NUMBER: VA5129A-1

REV# 2

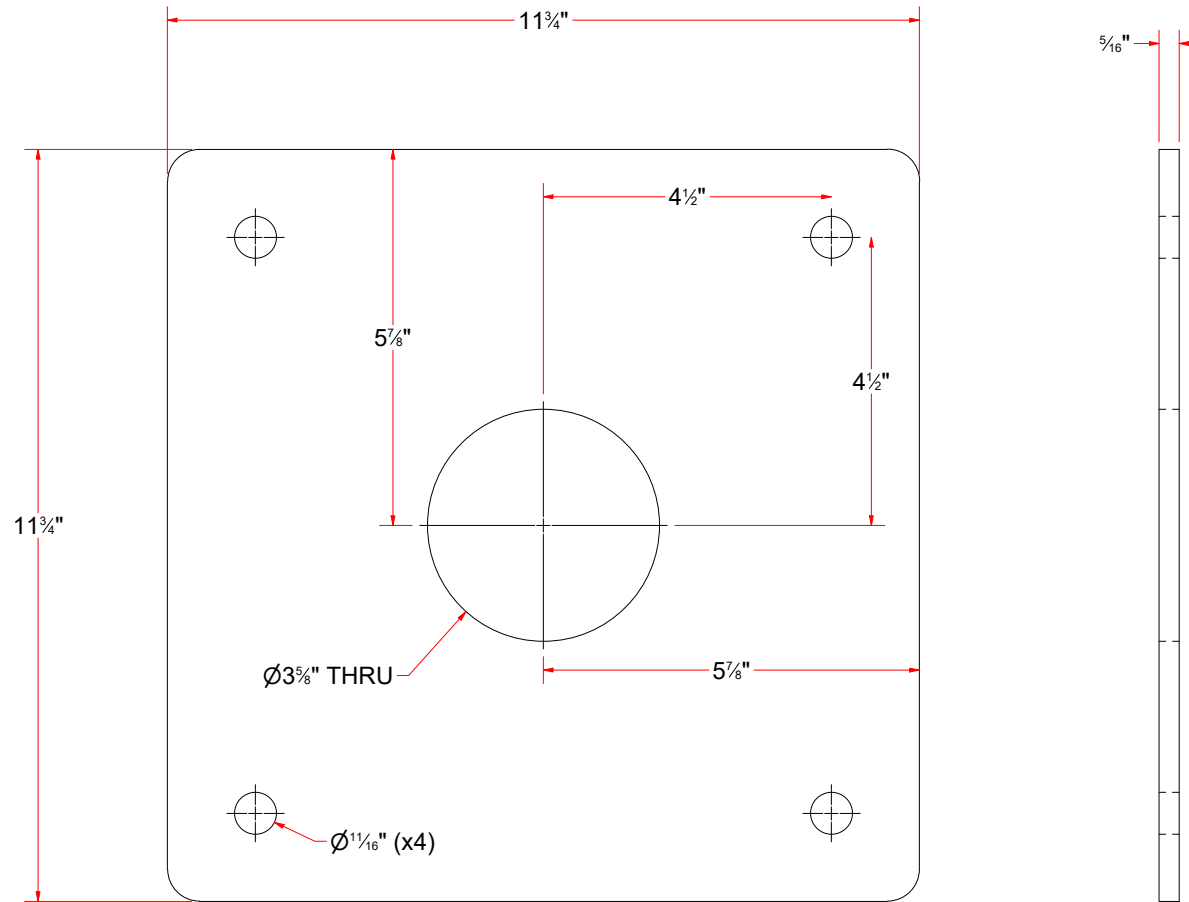
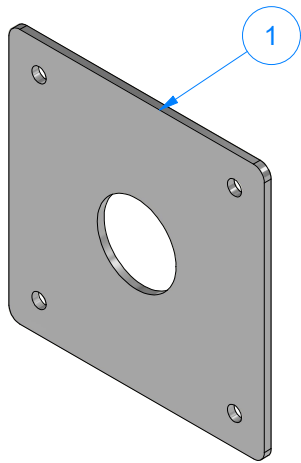
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SIZE
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EST WEIGHT:

SHEET 3 of 25

PATH:L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\VA5129A-1 AVW Standard Vacuum Arch (108 in. Post) (Single).iam



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CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: Plate #5/16" x 11 3/4" x 11 3/4"

RELEASE
DATE

12/22/2021

PART NUMBER: PLSS313X1175X1175X4H

REV# 2

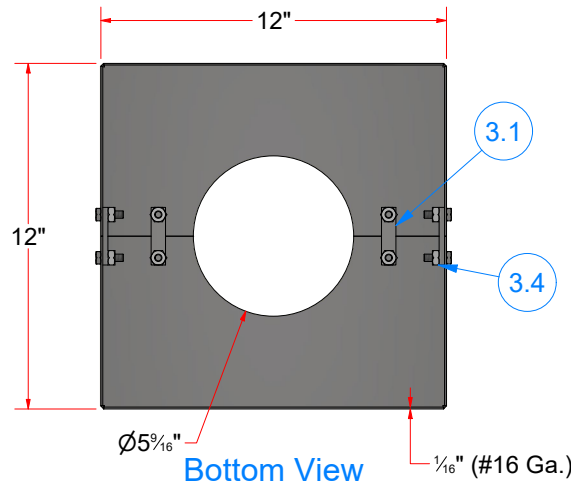
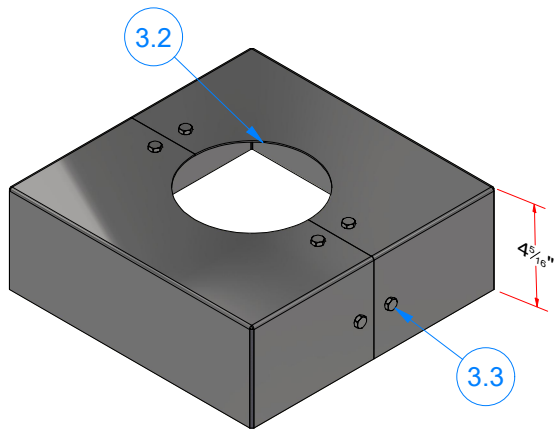
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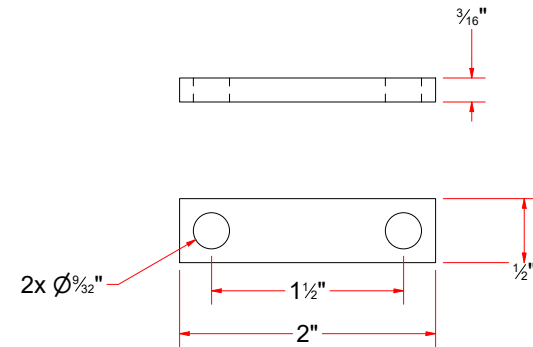
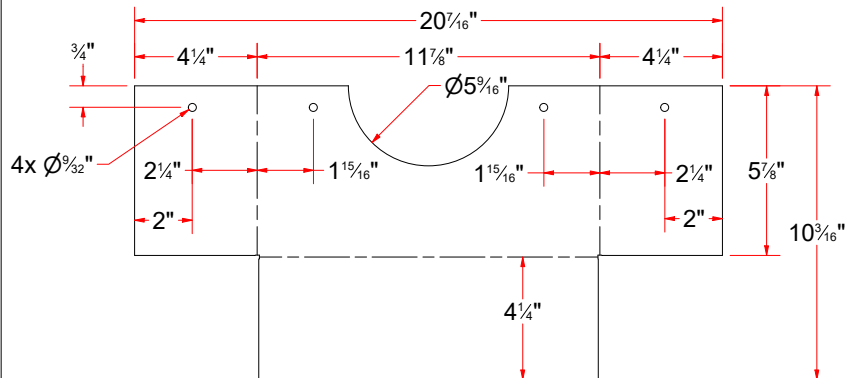
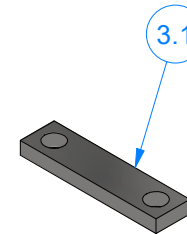
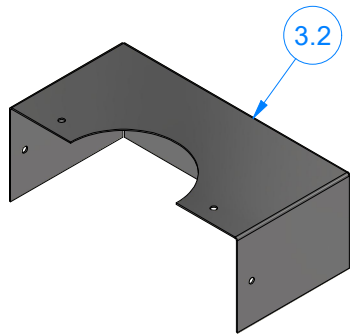
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SHEET 4 of 25

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Parts List		
ITEM	QTY	DESCRIPTION
3.1	4	Plate #3/16" x 1/2" x 2" LG.
3.2	2	Sheet Metal #16Ga x 20 7/16" x 10 3/16"
3.3	8	1/4"-20 x 3/4" Hex Screw
3.4	8	1/4"-20 Hex Nut



Flat Pattern



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DRAWN BY

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CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: Base Plate Cover Assembly

RELEASE DATE

12/22/2021

PART NUMBER: VA5129AV

REV# 2

DIMENSION ARE IN INCHES & PROVIDED PRIOR TO SURFACE TREATMENTS, UNLESS NOTED.

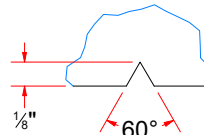
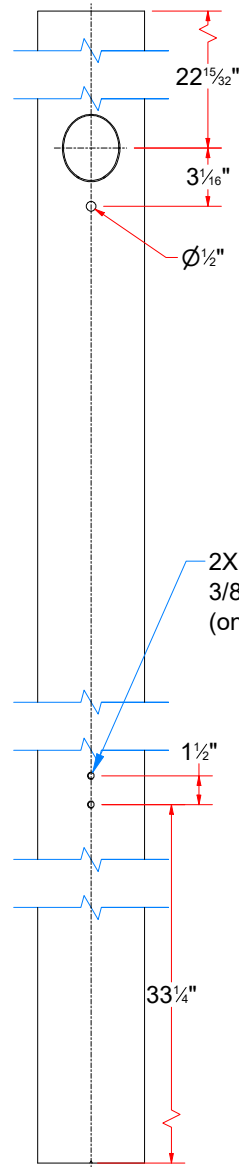
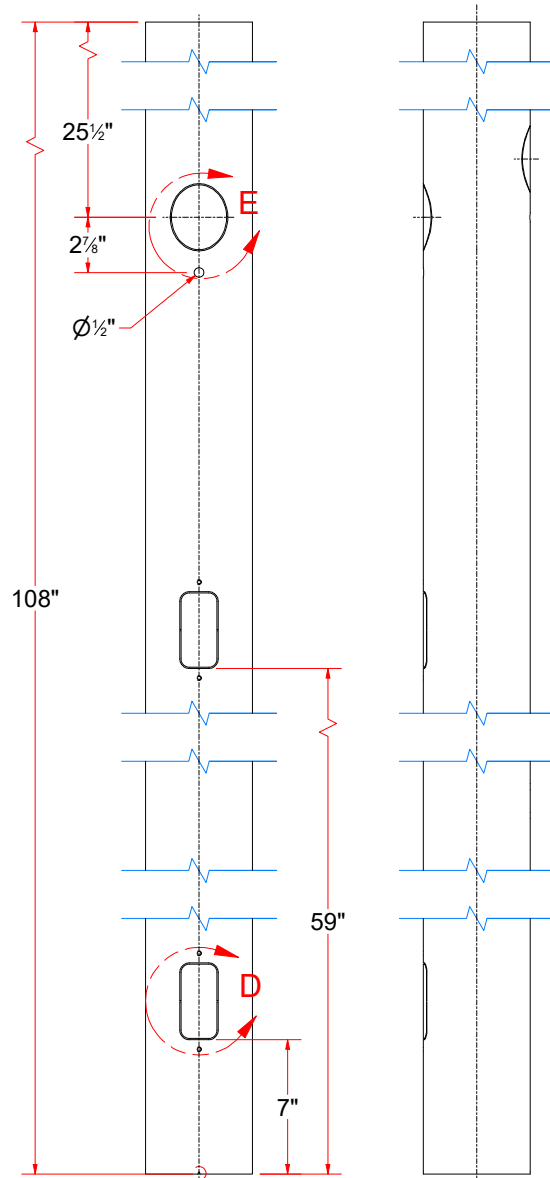
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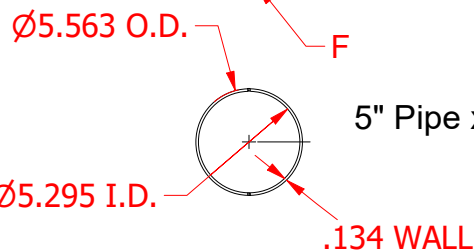
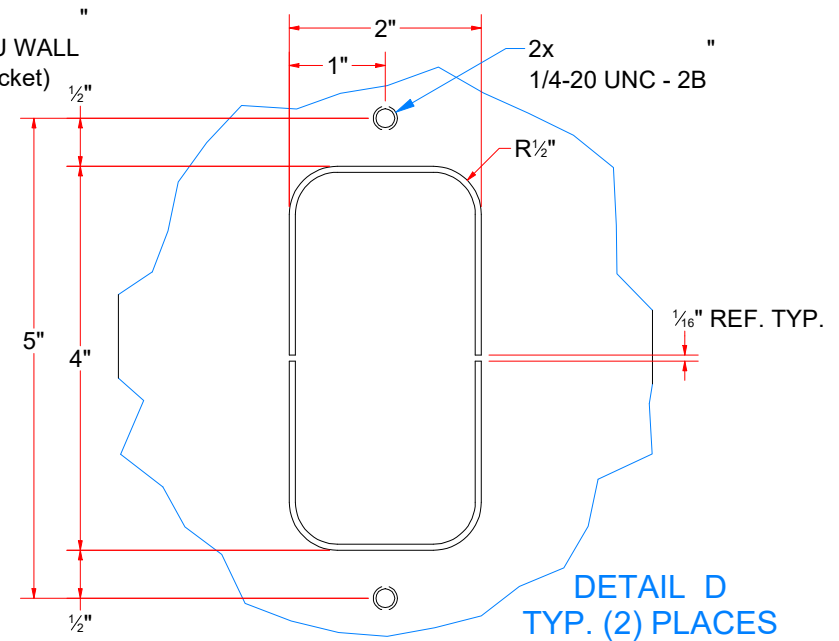
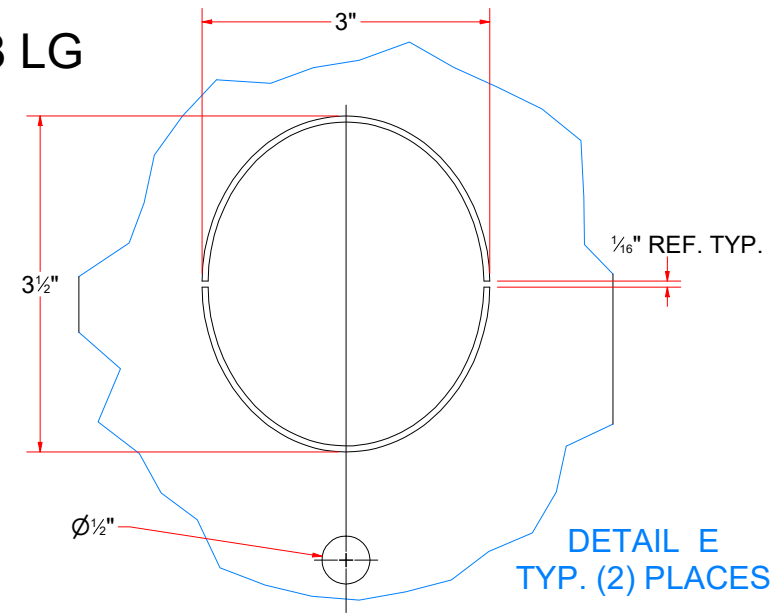
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Vacuum Arch Post - 5 in. Pipe x Sch10 x 108 LG



2X
3/8-16 UNC - 2B THRU WALL
(only for hose claw bracket)



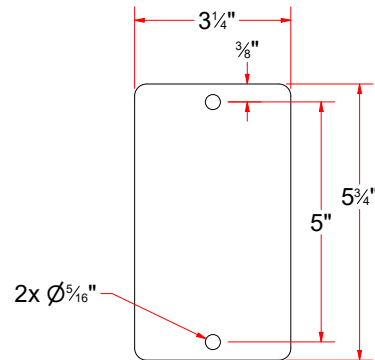
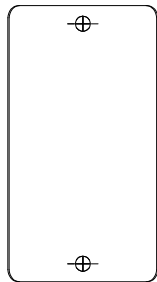
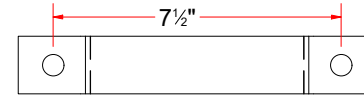
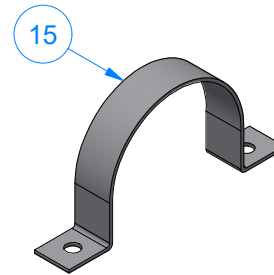
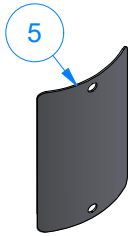
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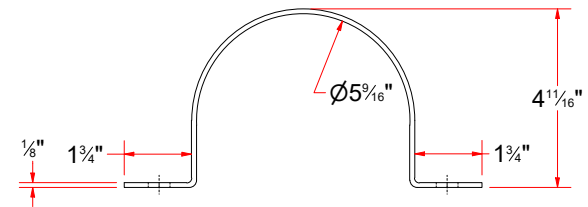
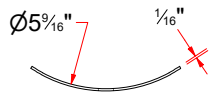
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QTY		DESCRIPTION: Vacuum Arch Post - 5 in Pipe x Sch10 x 108 LG	
RELEASE DATE	12/22/2021	PART NUMBER: Vacuum Arch Post - 5 in Pipe x Sch10 x 108 LG	REV# 2
DIMENSION ARE IN INCHES & PROVIDED PRIOR TO SURFACE TREATMENTS, UNLESS NOTED.		SIZE A	EST WEIGHT:
			SHEET 6 of 25

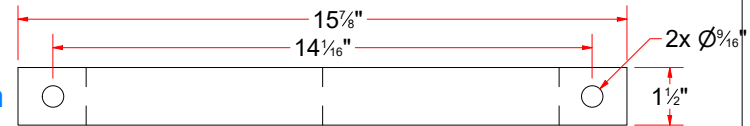
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Flat Pattern



Flat Pattern



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QTY

DESCRIPTION: Sheet Metal #14Ga. 5 3/4"x 3 1/4"

RELEASE DATE

12/22/2021

PART NUMBER: VA5129AD

REV# 2

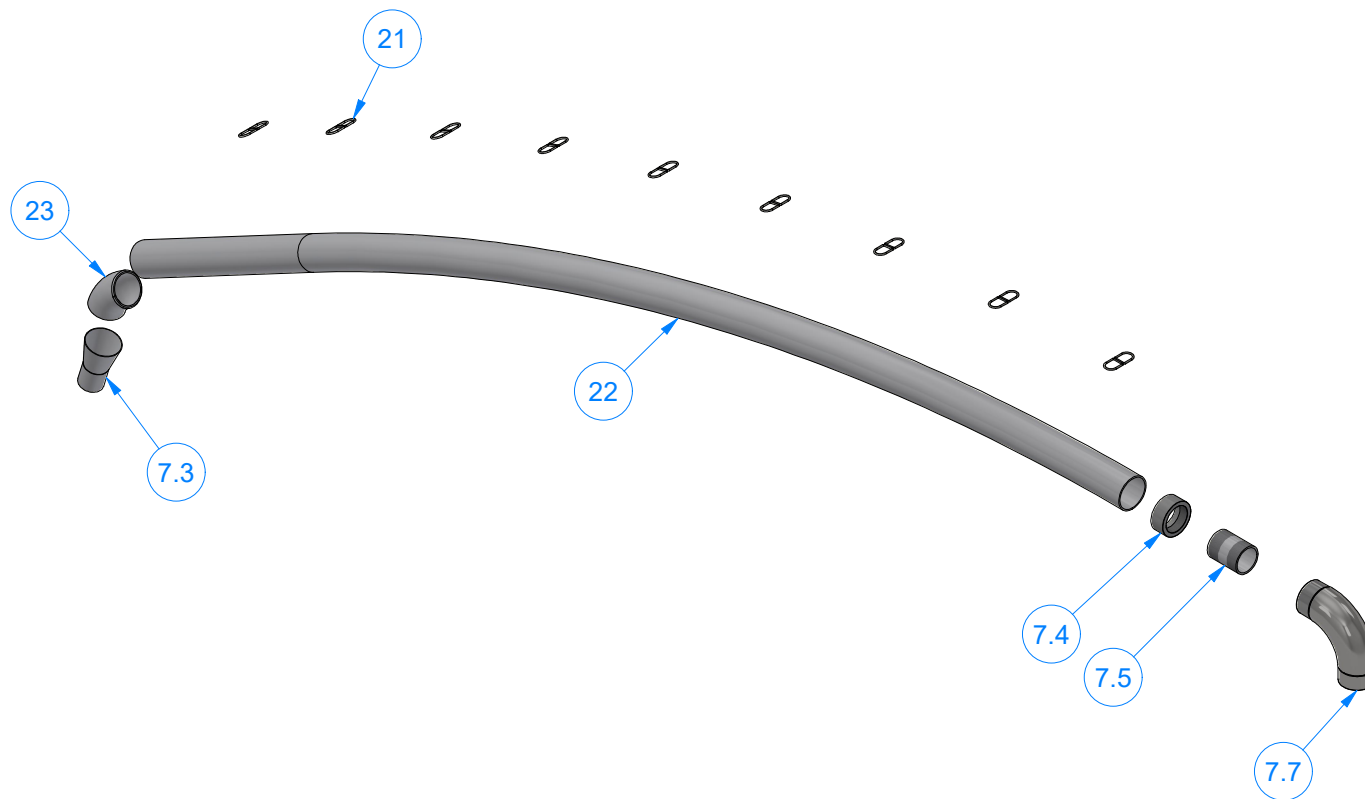
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SIZE
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EST WEIGHT:

SHEET 7 of 25

Parts List		
ITEM	QTY	DESCRIPTION
7.3	1	Round Tubing 2" OD x .049 Wall x 4 1/2" LG w/ Flared End 2 7/8" OD
7.4	1	Half Coupling - 2 NPT
7.5	1	Nipple - 2" NPT x 3" LG
7.7	1	Vacuum Pipe 90 Degree Coupler
21	9	D-Rings Canopy
22	1	Pipe - 2 1/2 x Sch10 x 109" LG.
23	1	45 Deg Pipe Sweep Elbow - 2 1/2" Pipe Sch40



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PROJECT:

QTY

DESCRIPTION: Vacuum Canopy Top Pipe Assembly

RELEASE DATE

12/22/2021

PART NUMBER: VA5129AB

REV# 2

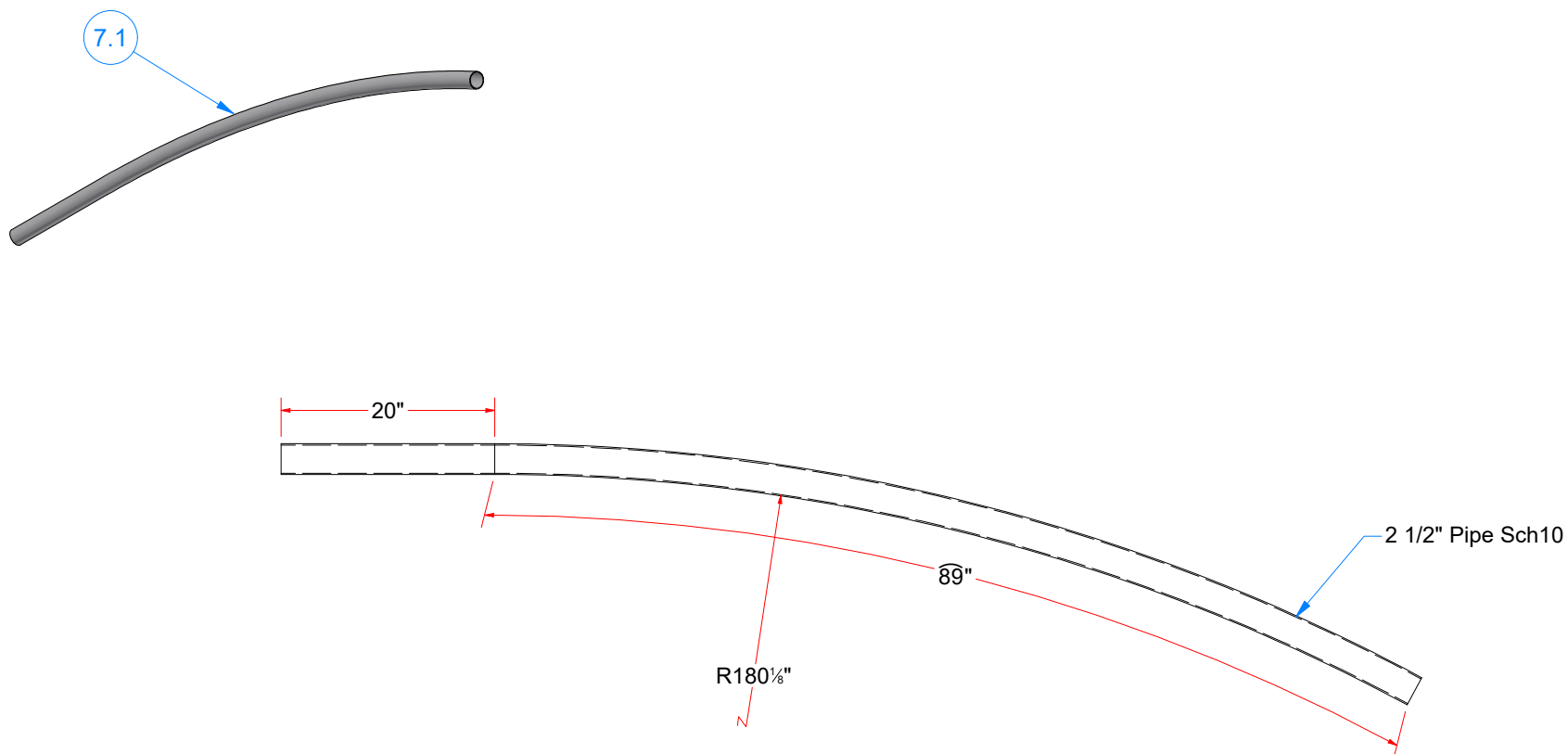
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Original (Straight) pipe - 109" length



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PROJECT:

QTY

DESCRIPTION: Pipe - 2 1/2 x Sch10 x 109" LG.

RELEASE
DATE

12/22/2021

PART NUMBER: VA5129ABD

REV# 2

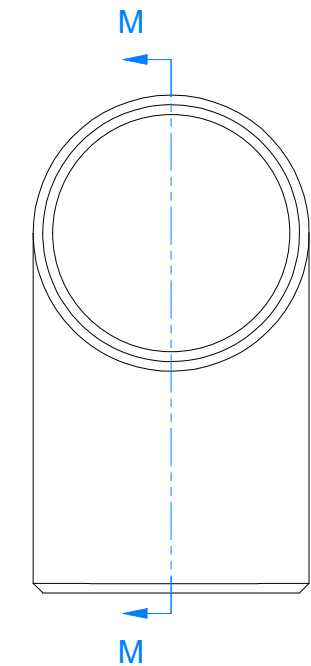
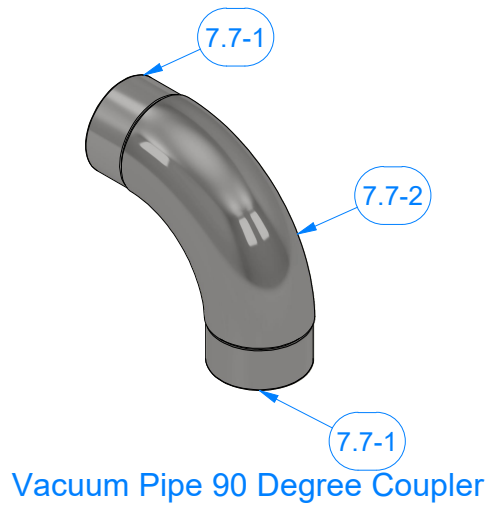
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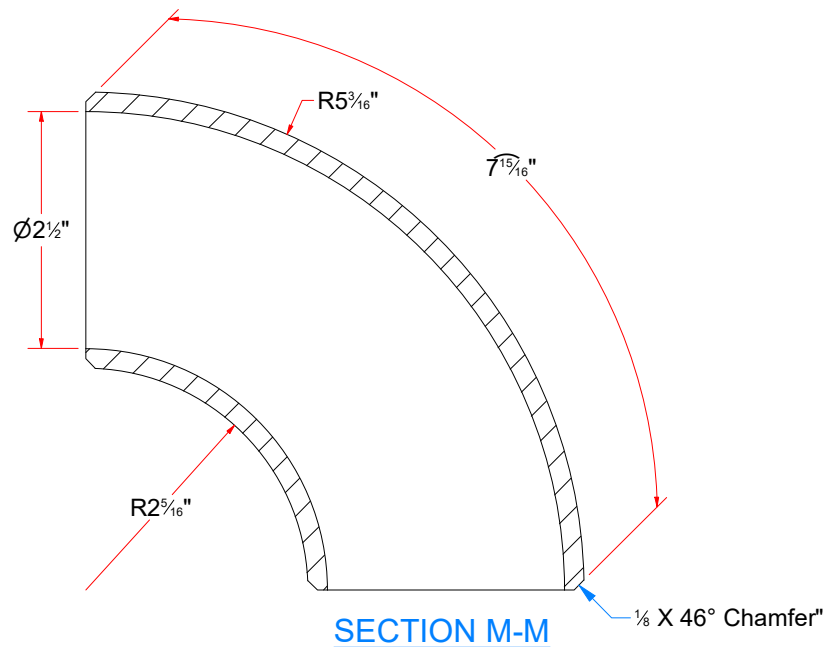
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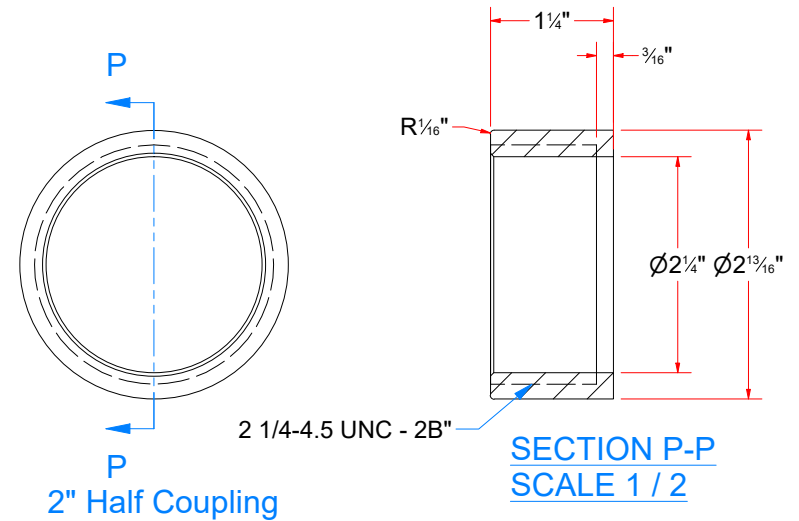
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90 Deg Pipe Sweep Elbow - 2 1/2" Pipe Sch40



Parts List		
ITEM	QTY	DESCRIPTION
7.7-1	2	2" Half Coupling
7.7-2	1	90 Deg Pipe Sweep Elbow - 2 1/2" Pipe Sch40



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PROJECT:

QTY

DESCRIPTION: Vacuum Pipe 90 Degree Coupler

RELEASE DATE

12/22/2021

PART NUMBER: VA5129ABA

REV# 2

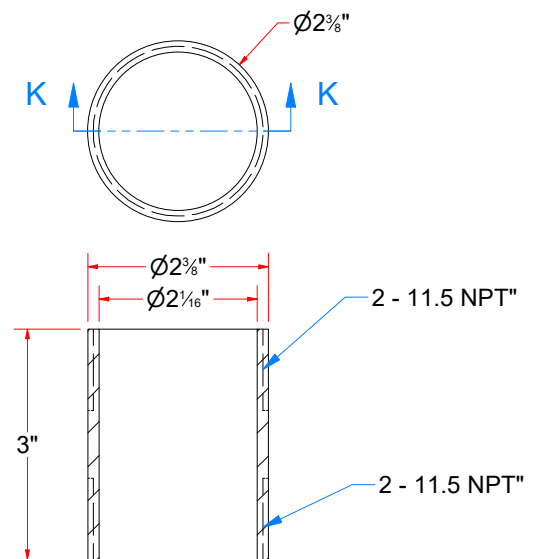
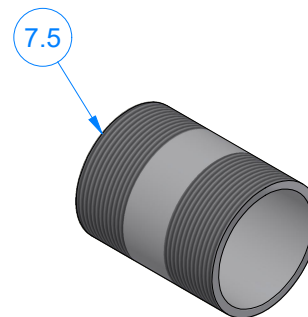
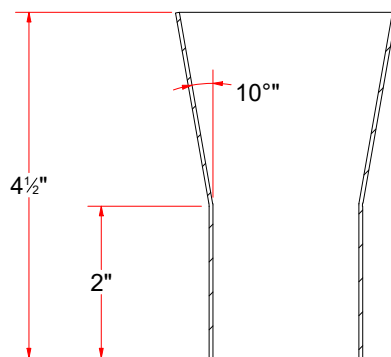
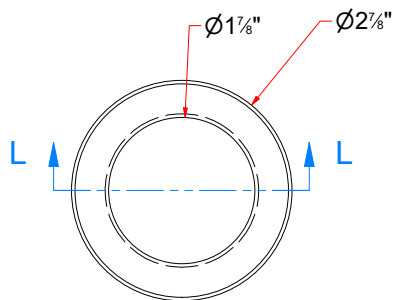
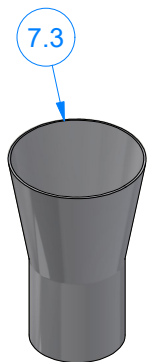
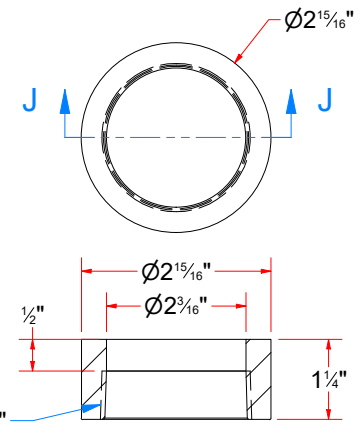
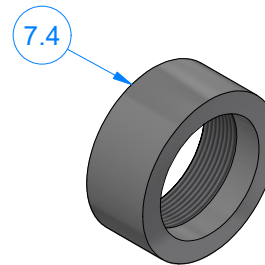
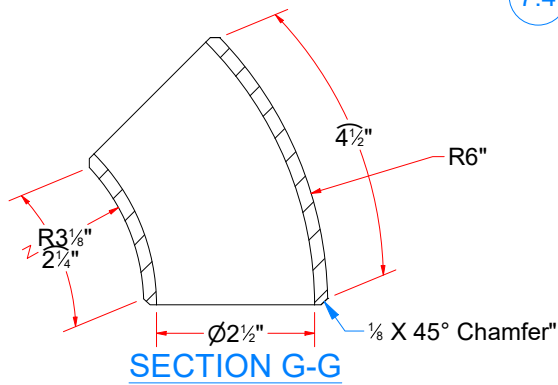
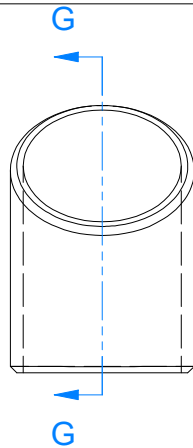
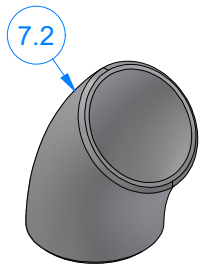
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SIZE
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EST WEIGHT:

SHEET 10 of 25

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SECTION L-L

SECTION K-K



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Ljubomir

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PROJECT:

QTY

DESCRIPTION: 45 Deg Pipe Sweep Elbow - 2 1/2" Pipe Sch40

RELEASE DATE

12/22/2021

PART NUMBER: VA5129ABE

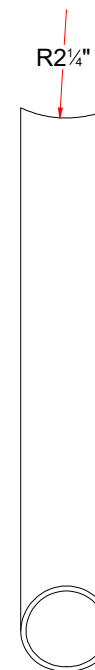
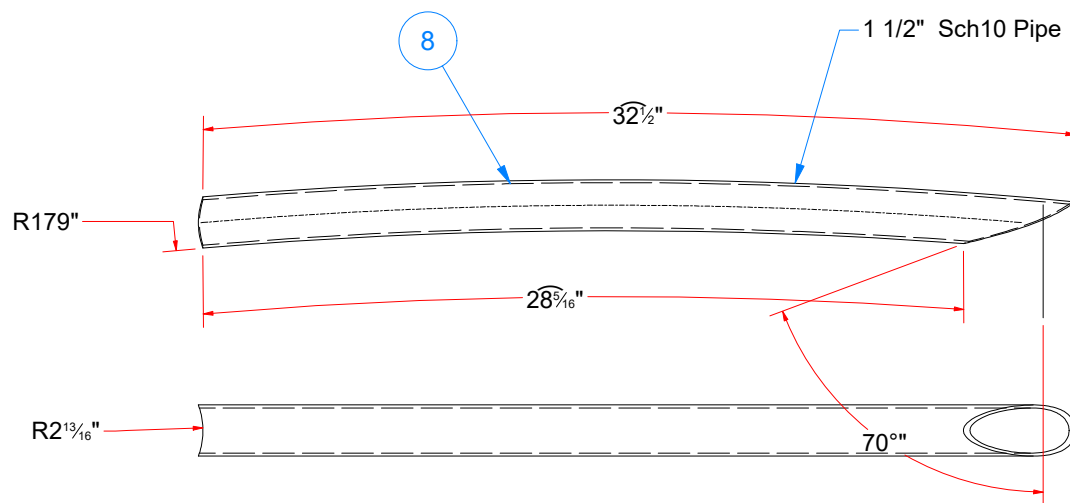
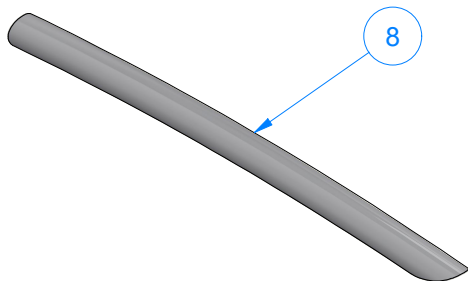
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SHEET 11 of 25



70 Degree Cut Straight View



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CUSTOMER:

CHECKED BY

PROJECT:

QTY

DESCRIPTION: Pipe - 1 1/2 x Sch10 x 33" LG.

RELEASE
DATE

12/22/2021

PART NUMBER: AVWSTD - Pipe Gusset

REV# 2

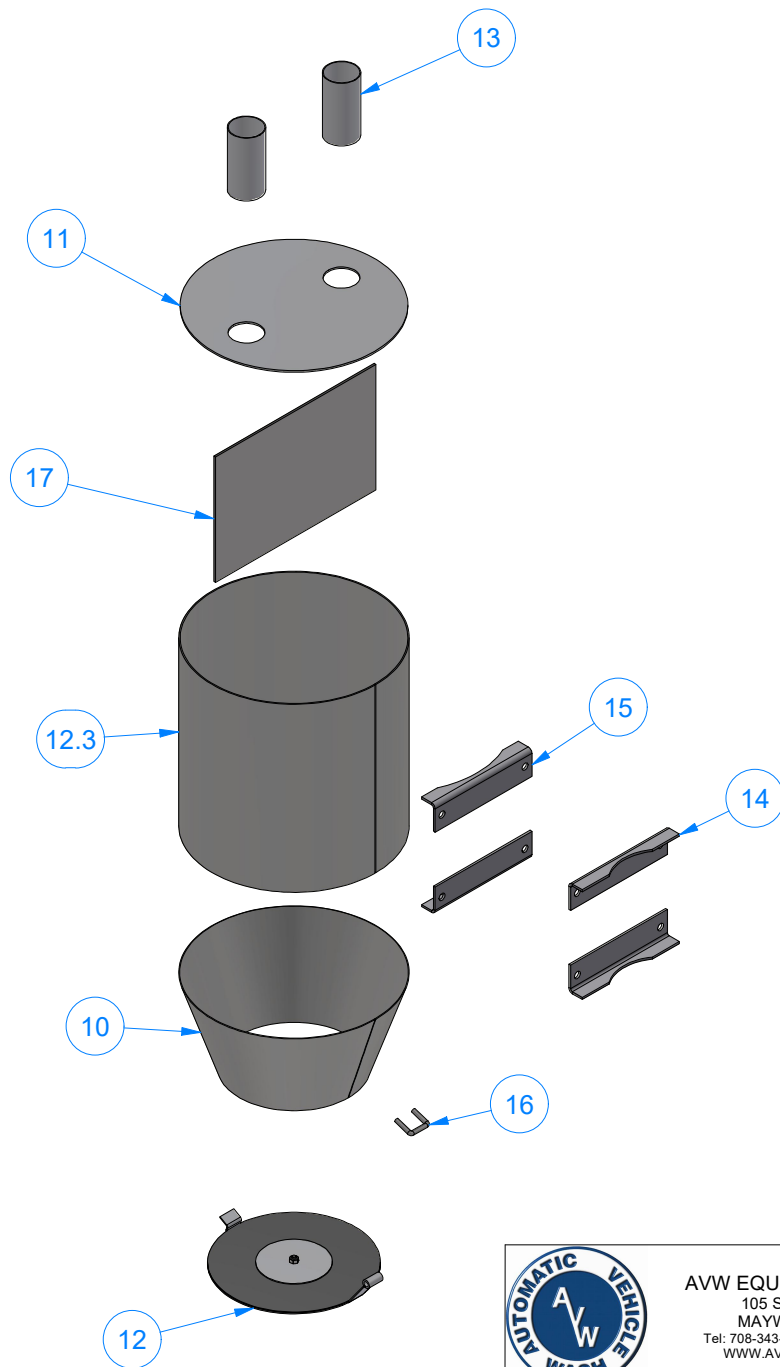
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Parts List		
ITEM	QTY	DESCRIPTION
12.3	1	Sheet Metal #14Ga x 12" x 37 3/4"
10	1	Sheet Metal #18Ga x 32" x 12"
11	1	Sheet Metal #12Ga. x 11 7/8" O.D.
12	1	Vacuum Canister Bottom Lid 16"
13	2	Round Tubing - 2 x .049 Wall x 4 LG.
14	2	vacuum canister bracket - U-bolt type
15	2	vacuum canister bracket - cannister mount - U-bolt type
16	1	Round Bar 1/4" OD x 4" LG
17	1	Sheet Metal #10Ga x 8" x 11 13/16" LG



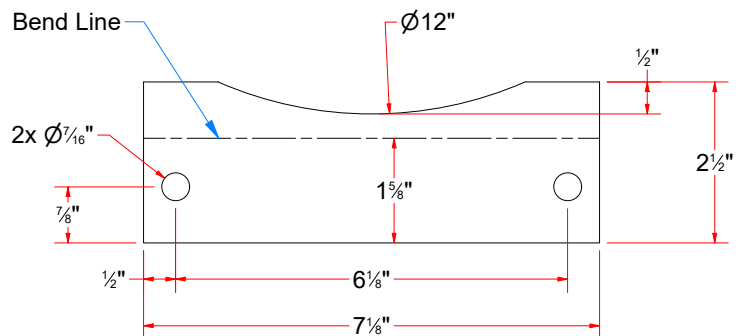
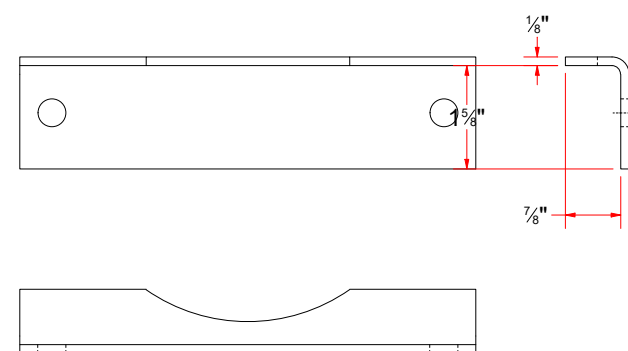
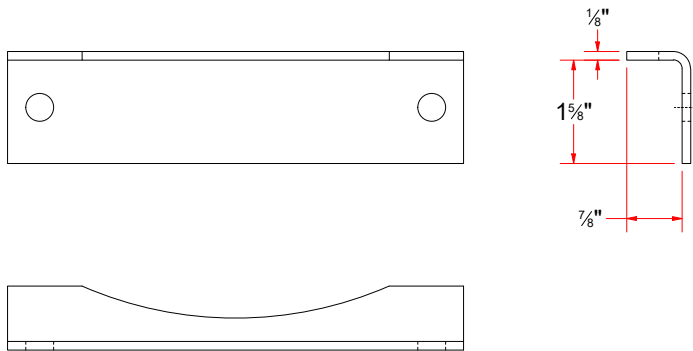
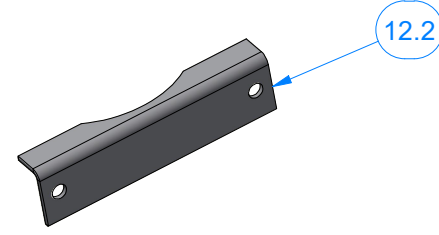
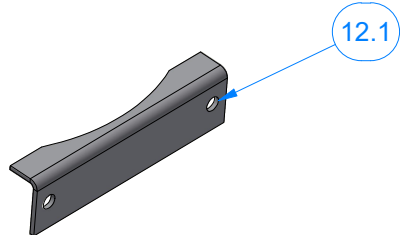
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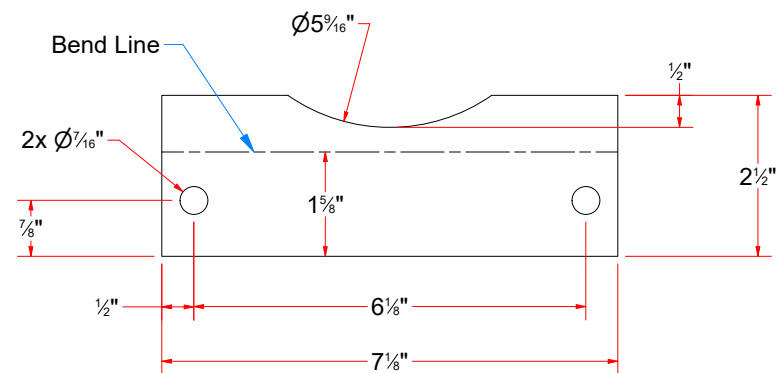
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DRAWN BY	Ljubomir	CUSTOMER:	
CHECKED BY		PROJECT:	
QTY		DESCRIPTION: Vacuum Separator - Plain hose connections - U-bolt type	
RELEASE DATE	12/22/2021	PART NUMBER: VA3246S	REV# 2
DIMENSION ARE IN INCHES & PROVIDED PRIOR TO SURFACE TREATMENTS, UNLESS NOTED.		SIZE A	EST WEIGHT:
		SHEET 13 of 25	

PATH:L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\Parts\Vacuum Separator - Plain hose connections - U-bolt type.iam



Flat Pattern



Flat Pattern

10/22/18 Revised gusset pipe dia. was 2 1/2" now 1 1/2" F.C.



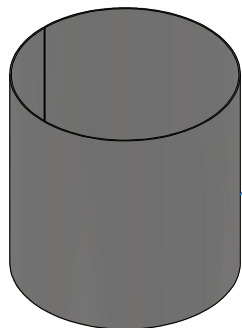
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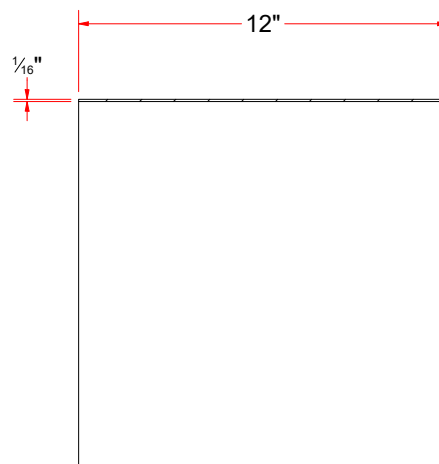
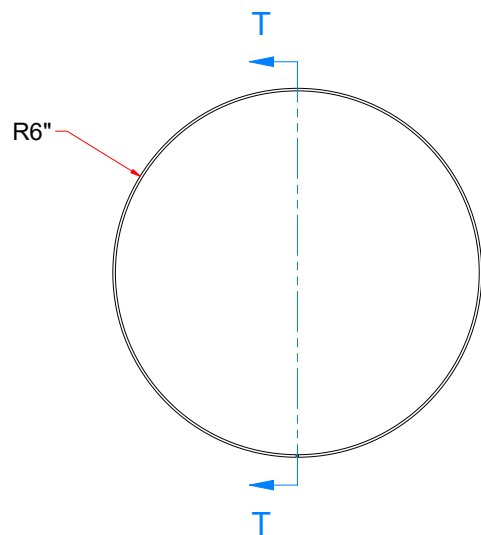
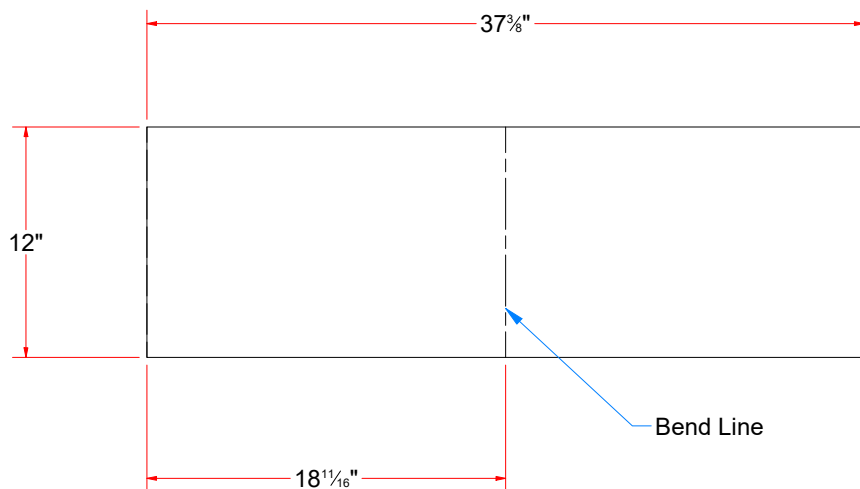
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CHECKED BY		PROJECT:	
QTY		DESCRIPTION: vacuum canister bracket - cannister mount - U-bolt type	
RELEASE DATE	12/22/2021	PART NUMBER: VA3246SG	REV# 2
DIMENSION ARE IN INCHES & PROVIDED PRIOR TO SURFACE TREATMENTS, UNLESS NOTED.		SIZE A	EST WEIGHT:
			SHEET 14 of 25

PATH:L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\Parts\vacuum canister bracket - cannister mount - U-bolt type.ipt



12.3



SECTION T-T



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CUSTOMER:

CHECKED BY

PROJECT:

QTY

DESCRIPTION: Sheet Metal #14Ga x 12" x 37 3/4"

RELEASE
DATE

12/22/2021

PART NUMBER: VA3246SA

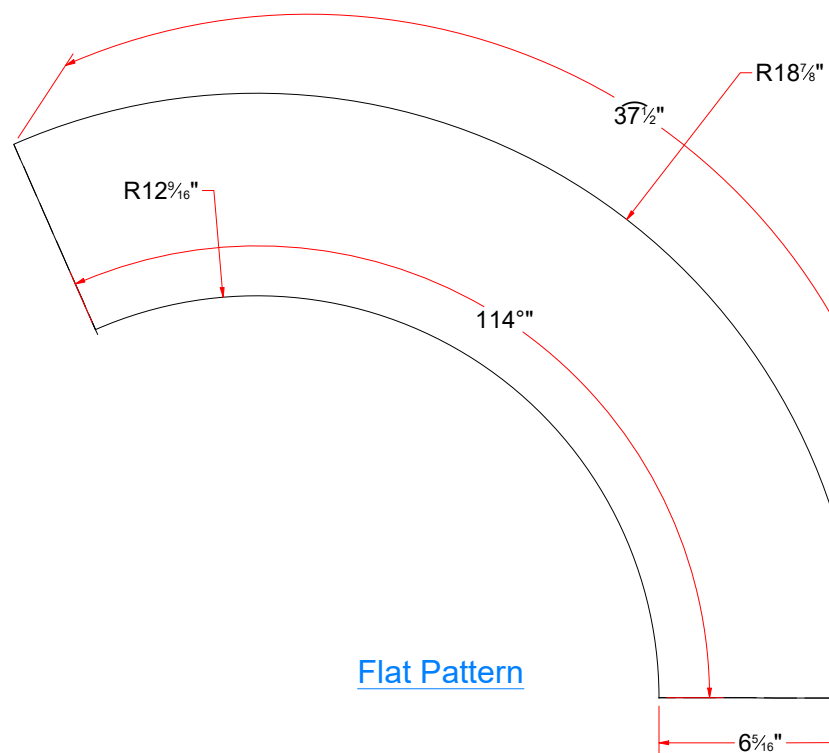
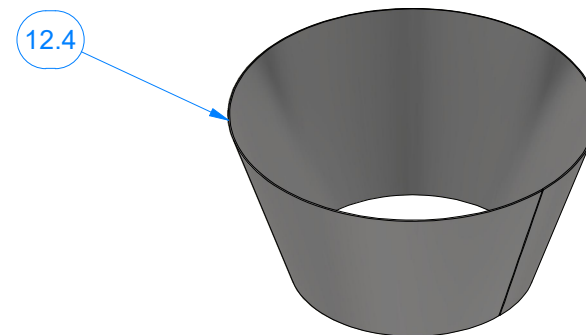
REV# 2

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TO SURFACE TREATMENTS, UNLESS NOTED.

SIZE
A

EST WEIGHT:

SHEET 15 of 25



Flat Pattern



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CUSTOMER:

PROJECT:

DESCRIPTION: Sheet Metal #18Ga x 32" x 12"

12/22/2021

PART NUMBER: VA3246SB

REV# 2

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SIZE
A

EST WEIGHT:

SHEET 16 of 25

PATH:L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\Parts\AVWVS-002.ipt



Ljubomir

CUSTOMER:

PROJECT:

DESCRIPTION: Sheet Metal #12Ga. x 11 7/8" O.D.

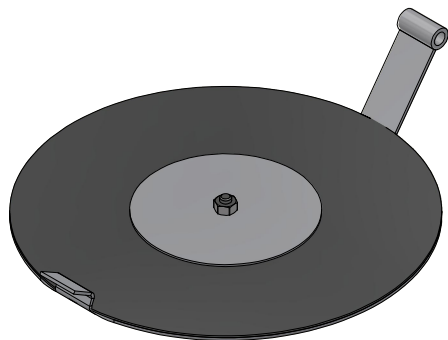
RELEASE DATE	12/22/2021
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REV# 2

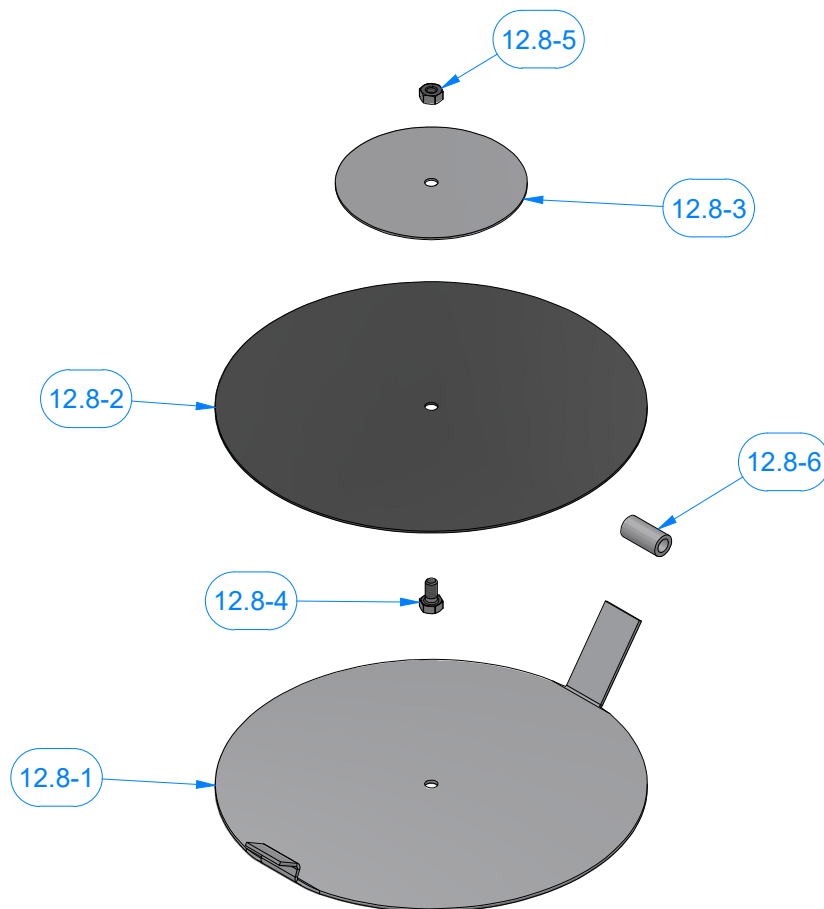
SIZE
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SHEET 17 of 25

PATH:L:\Designs\Product Lines\Vacuum Arches\AVW Standard Vacuum Arches (VA5129A)\VA5129A AVW Standard Vacuum Arch (108 in. Post)\Parts\AVWVS-004.ipt



Parts List		
ITEM	QTY	DESCRIPTION
12.8-1	1	Sheet Metal #14Ga x D 9"
12.8-2	1	Rubber Seal D 9" (9/32" center hole)
12.8-3	1	Sheet Metal #14Ga x D 4" (9/32" center hole)
12.8-4	1	Hex Bolt - 1/4-20 UNC x 0.5 LG
12.8-5	1	Hex Nut - 1/4-20 UNC
12.8-6	1	Round Tubing - 1/2 x .095 Wall x 1 LG.



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CUSTOMER:

CHECKED BY

PROJECT:

QTY

DESCRIPTION: Vacuum Canister Bottom Lid 16"

RELEASE
DATE

12/22/2021

PART NUMBER: VA3246SD

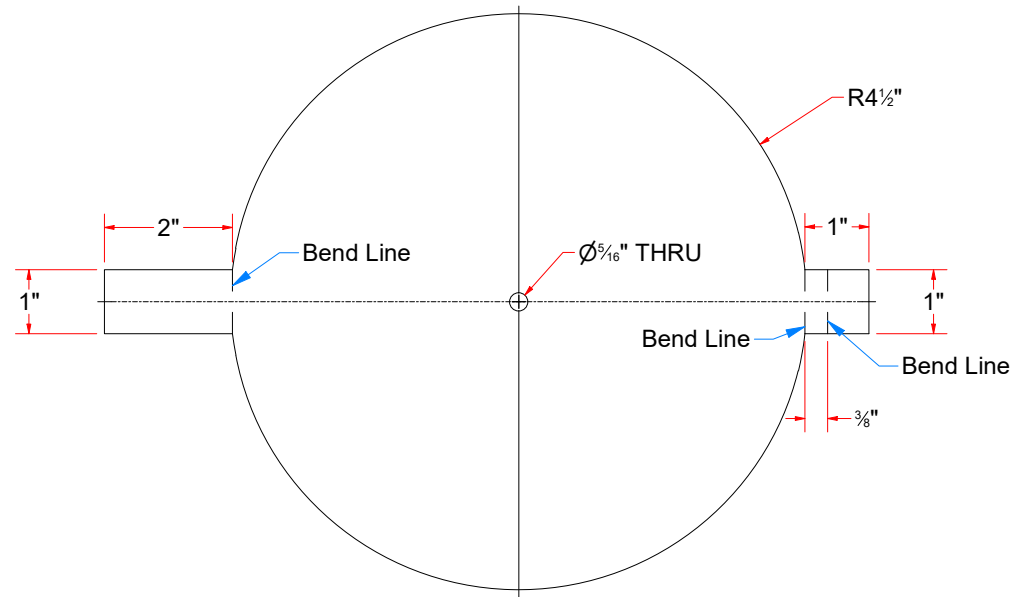
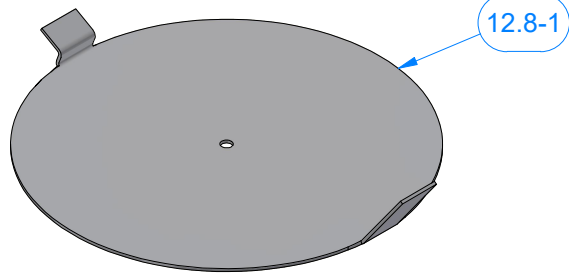
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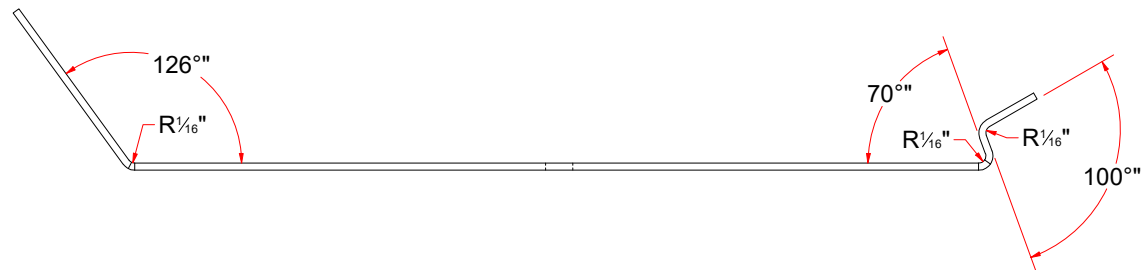
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EST WEIGHT:

SHEET 18 of 25



Flat Pattern



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PROJECT:

QTY

DESCRIPTION: Sheet Metal #14Ga x D 9"

RELEASE
DATE

12/22/2021

PART NUMBER: VA3246S_004

REV# 2

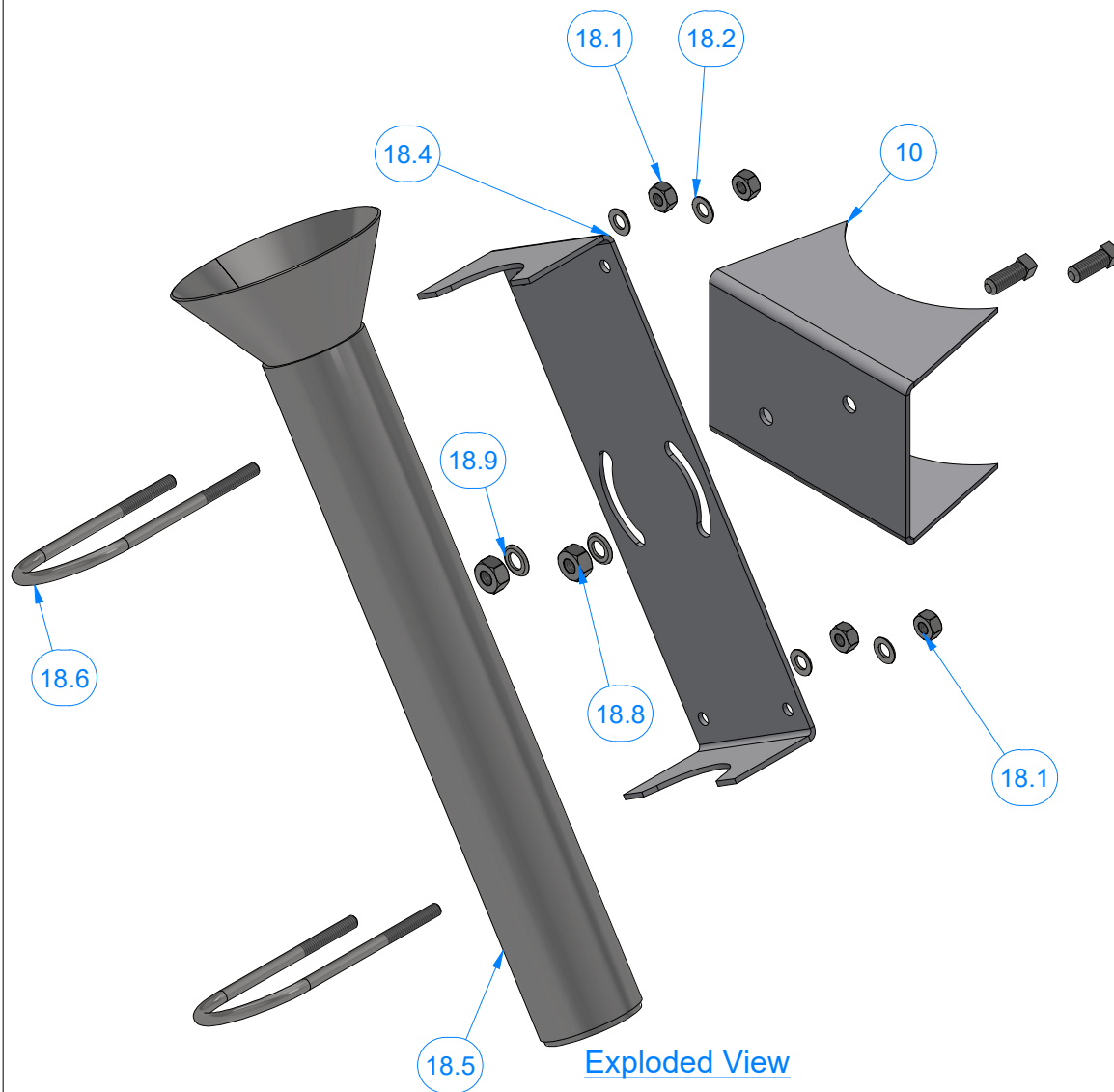
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SIZE
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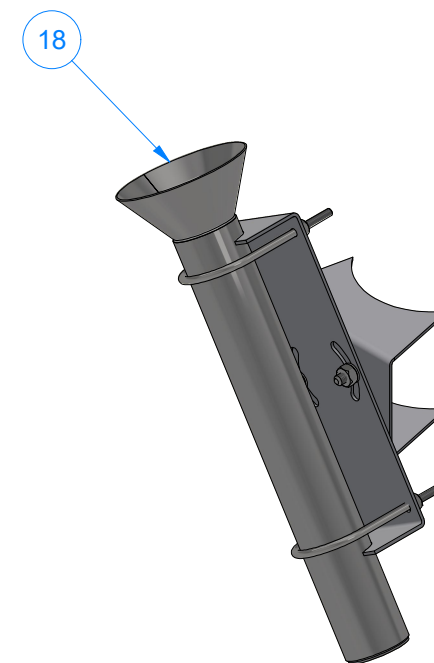
EST WEIGHT:

SHEET 19 of 25

PATH:C:\Local Vault\Designs\Product Lines\Vacuum Systems\Vacuum Separator\Parts\VA3246S_004.ipt



Parts List		
ITEM	QTY	DESCRIPTION
18.1	4	5/16"-18 18-8ss Heavy Hex Nut
18.2	4	5/16" N Flat Washer
18.4	1	Holder Bracket 1 w/Slots
18.5	1	Stainless Steel Vacuum Holster
18.6	2	Round U-Bolts
18.7	2	Square Bolt - 3/8"-16 x 3/4" L
18.8	2	3/8"-16 18-8ss Heavy Hex Nut
18.9	2	3/8" N Flat Washer
10	1	Holder Bracket 2



Claw Holder (Stainless Steel) - D



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DRAWN BY

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CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: Claw Holder (Stainless Steel) - D

RELEASE DATE

12/22/2021

PART NUMBER: VA3352WS-SS

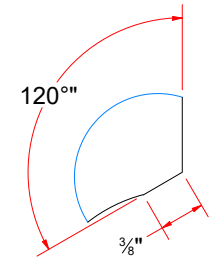
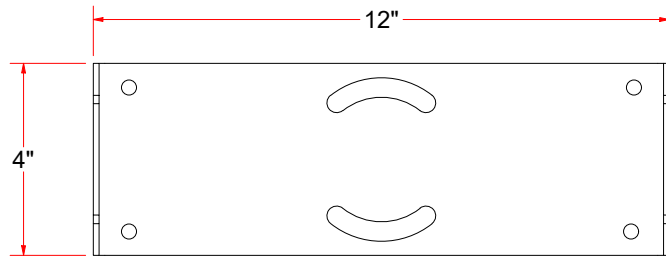
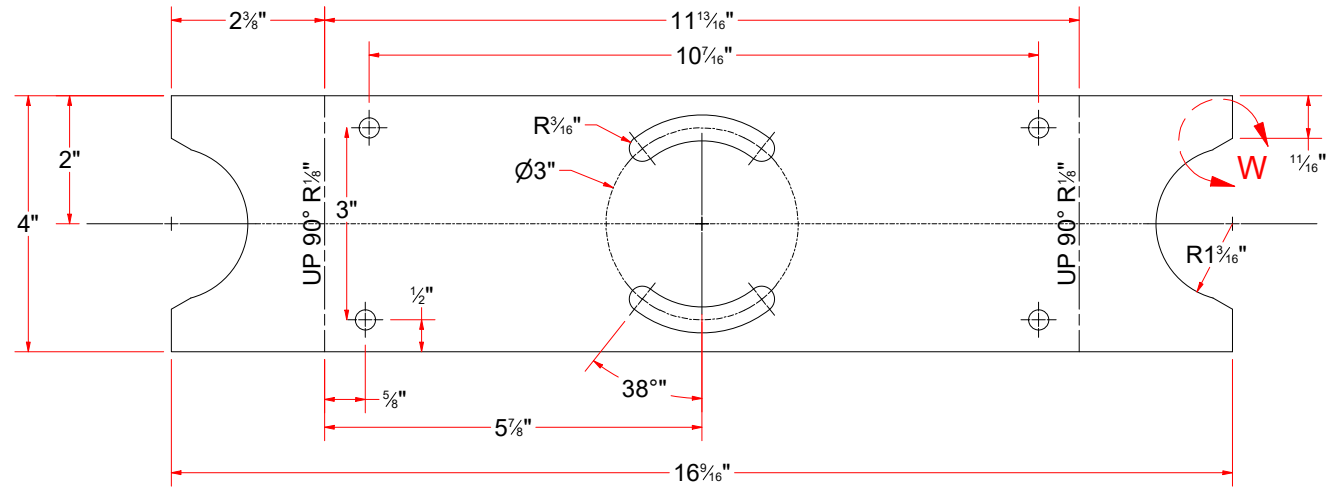
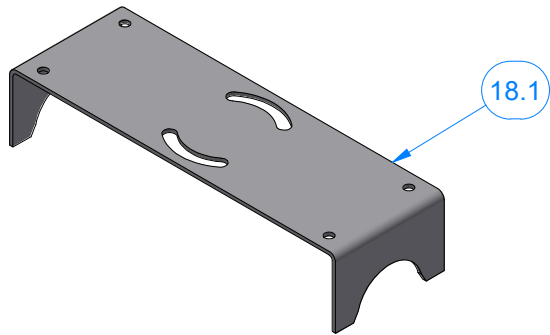
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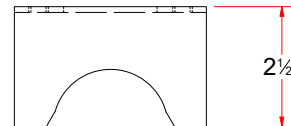
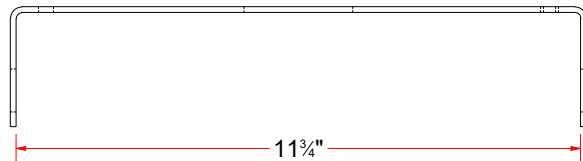
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SHEET 20 of 25



DETAIL W



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CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: Holder Bracket 1 w/Slots

RELEASE DATE

12/22/2021

PART NUMBER: VA3352WSB

REV# 2

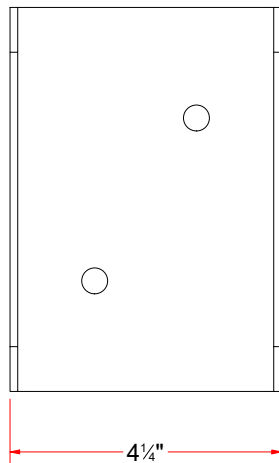
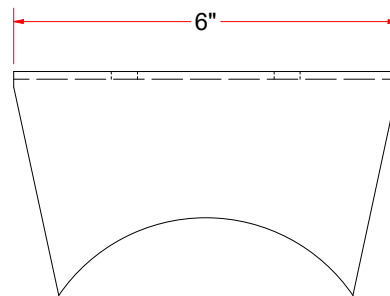
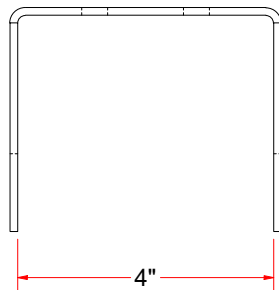
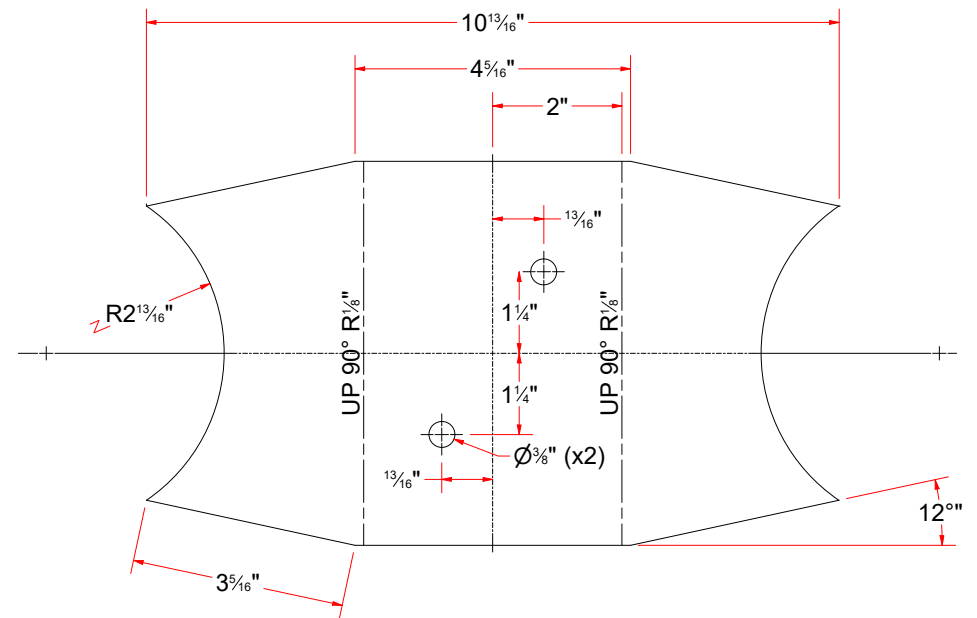
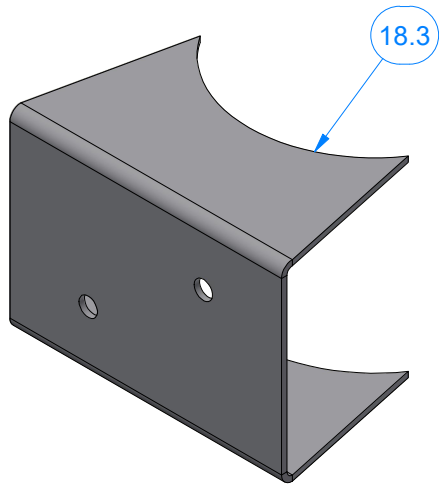
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SIZE
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EST WEIGHT:

SHEET 21 of 25

PATH: L:\Libraries\Productivity\Vacuum Arches\Claw Holders\VA5129ACH-0121 - Claw Holder (Sainless Steel)\Parts\Holder Bracket.ipt



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PROJECT:

QTY

DESCRIPTION: Holder Bracket 2

RELEASE DATE

12/22/2021

PART NUMBER: VA3352WSC

REV# 2

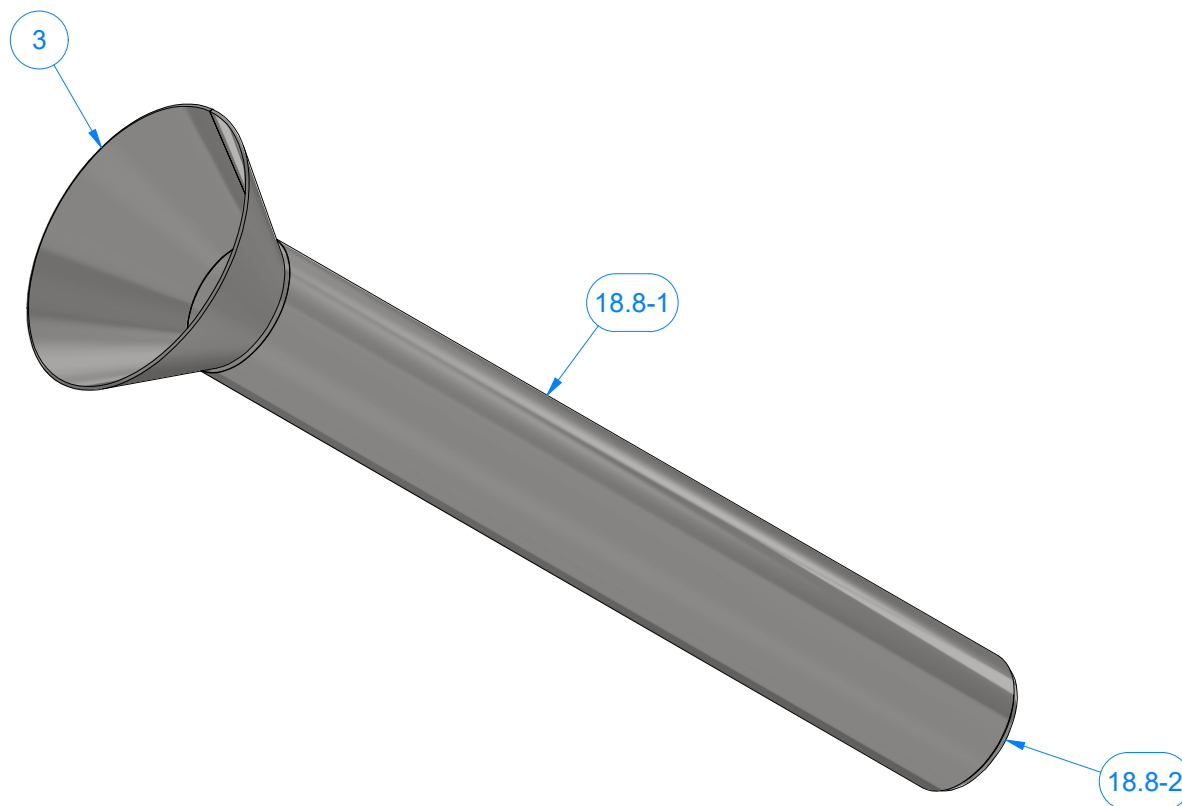
DIMENSION ARE IN INCHES & PROVIDED PRIOR TO SURFACE TREATMENTS, UNLESS NOTED.

SIZE
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EST WEIGHT:

SHEET 22 of 25

Parts List		
ITEM	QTY	DESCRIPTION
18.8-1	1	2" Pipe, Schedule 10, LG 16"
18.8-2	1	Cover Plate #10Ga - 2" Pipe, Sch 10
3	1	Sheet Metal #16Ga



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CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: Stainless Steel Vacuum Holster

RELEASE
DATE

12/22/2021

PART NUMBER: VA3352WSA-SS

REV# 2

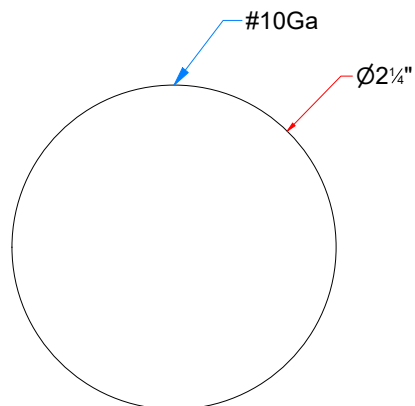
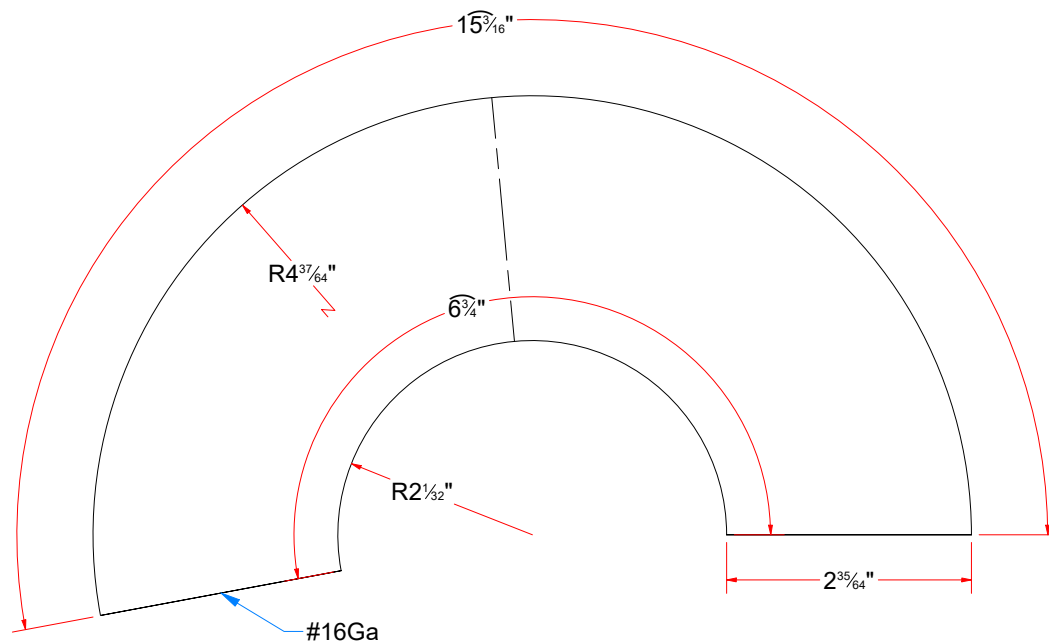
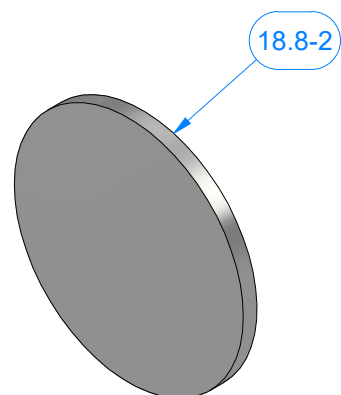
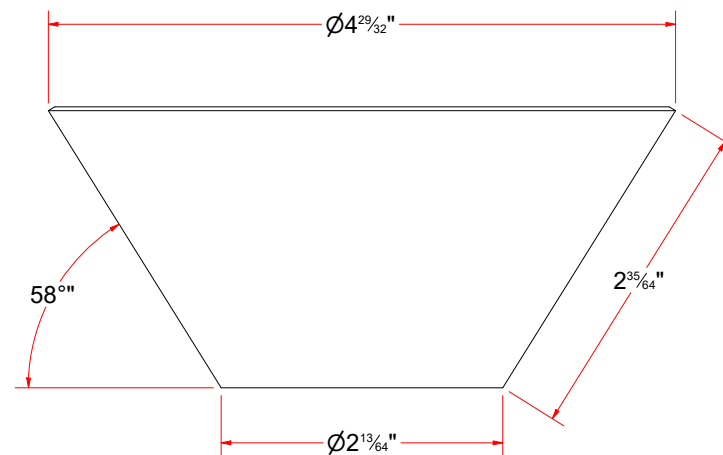
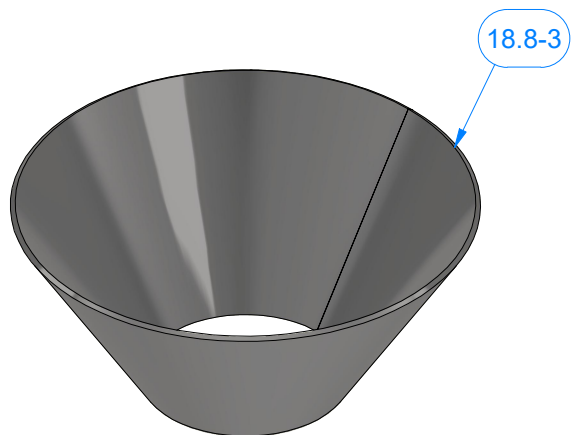
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SIZE
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EST WEIGHT:

SHEET 23 of 25

PATH:L:\Designs\Product Lines\Vacuum Arches\VacuumSS Vacuum Holster\SS Vacuum Holster.iam



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DRAWN BY

Ljubomir

CUSTOMER:

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PROJECT:

QTY

DESCRIPTION: Cover Plate #10Ga - 2" Pipe, Sch 10

RELEASE DATE

12/22/2021

PART NUMBER: VA3352WSAB-SS

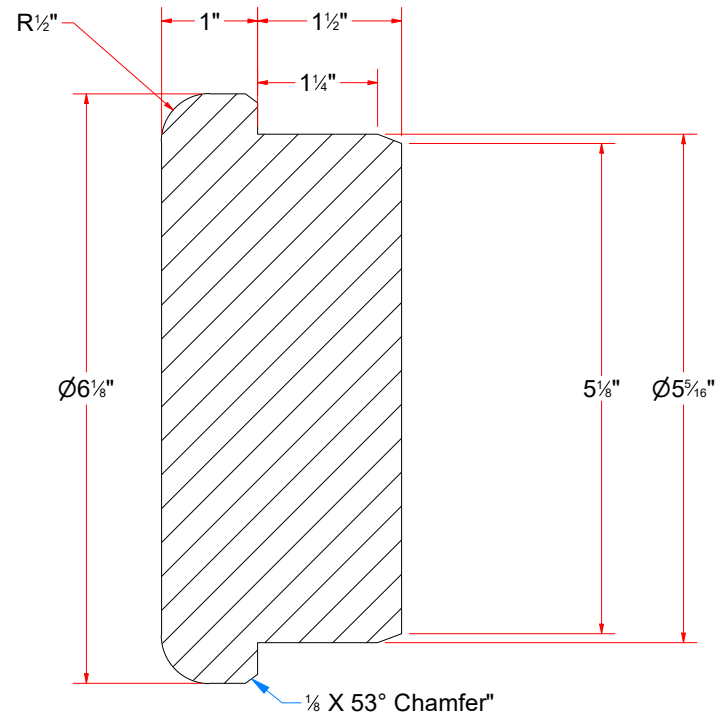
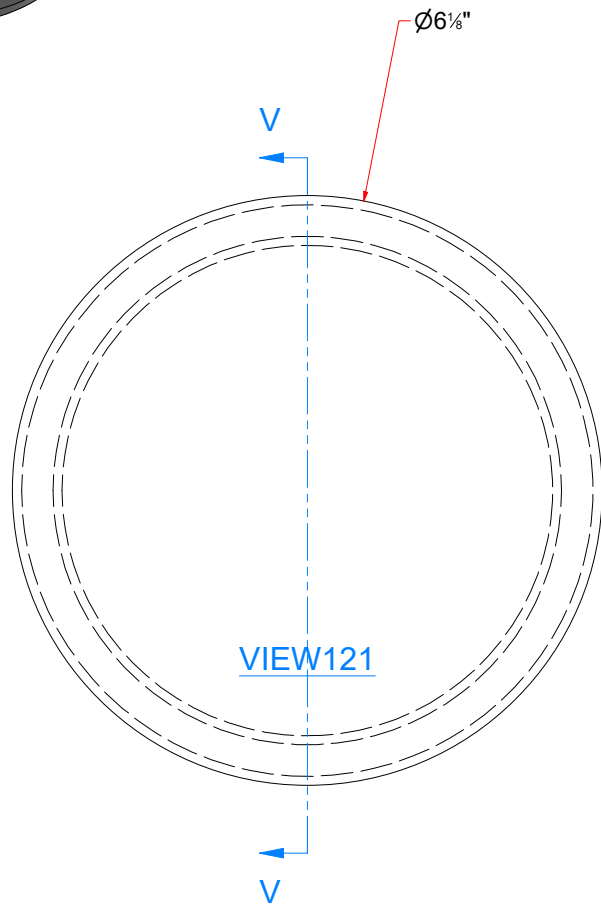
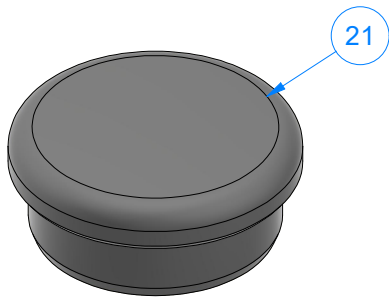
REV# 2

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SHEET 24 of 25



SECTION V-V



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DRAWN BY

Ljubomir

CUSTOMER:

CHECKED BY

PROJECT:

QTY

DESCRIPTION: UHMW Vacuum Cap

RELEASE DATE

12/22/2021

PART NUMBER: R-VA2476C1

REV# 2

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SIZE
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SHEET 25 of 25