

## PV-MOLD®

## NONMETALLIC POLE RISER SYSTEM



Standard Duty

Heavy Duty Schedule 40

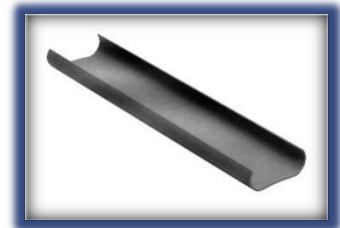
Extra Heavy Duty Schedule 80

Vented Boots

Adapters

Couplings

Backing Plates

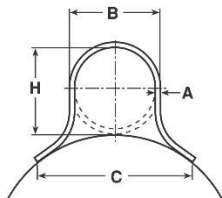


## PV Mold® Nonmetallic Pole Riser System

Prime Conduit PV-Mold is a nonmetallic pole riser system designed to protect communications power cable installed on poles.

### Features:

- Designed in accordance with NEMA TC-19 specifications.
- Ultraviolet, cold temperature and corrosive atmosphere resistant.
- Schedule 40 wall meets Schedule 80 PVC conduit impact requirements per NEMA TC-19.
- No grounding required.
- Belled end fits over each added section or conduit.
- Requires no maintenance.
- PV-Mold acts as an insulator against electrical shock.
- Interchangeable parts and accessories to match the needs of specific requirements.
- Flanged overall length, including bell is 10 Feet.



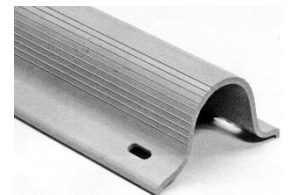
Mounting hole slots are  $\frac{3}{4}$ " length x  $\frac{5}{16}$ " width.  
There are 7 mounting holes, per side, per 10 foot length.



Steel U-Guard required  
grounding, strapping,  
and does not have  
belled ends.



PV-Mold has belled ends,  
flanged design, and does  
not require grounding.



### Standard Duty

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)	A	B	C	H	Depth of Bell (min.)	Impact @ 0C 20 lb. Tup (ft.-lbs.)	Impact @ 23C 20 lb. Tup (ft.-lbs.)
59208N	1"	175	635	0.100"	1-5/16"	2-3/8"	1-5/16"	2"	40	150
59211N	2"	100	540	0.100"	2-3/8"	4-1/2"	2-3/8"	2"	100	190
59213N	3"	40	465	0.150"	3-1/2"	6"	3-1/2"	3"	110	220
59215N	4"	35	495	0.150"	4-1/2"	6-1/2"	4-1/2"	4"	110	220
59216N	5"	35	605	0.150"	5-1/2"	7-1/2"	5-1/2"	4"	110	220

### Heavy Duty Schedule 40

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)	A	B	C	H	Depth of Bell (min.)	Impact @ 0C 20 lb. Tup (ft.-lbs.)	Impact @ 23C 20 lb. Tup (ft.-lbs.)
59010N	1-1/2"	165	950	0.145"	1-29/32"	3-1/2"	1-29/32"	2"	100	300
59011N	2"	100	815	0.154"	2-3/8"	4-1/2"	2-3/8"	2"	150	300
59013N	3"	40	660	0.216"	3-1/2"	6"	3-1/2"	3"	150	525
59015N	4"	35	765	0.237"	4-1/2"	6-1/2"	4-1/2"	4"	260	525
59016N	5"	35	1020	0.258"	5-1/2"	7-1/2"	5-1/2"	4"	260	525
59017N	6"	15	585	0.280"	6-5/8"	8-3/4"	6-5/8"	5"	260	525

### Extra Heavy Duty Schedule 80

Part Number	Size	Std. Qty.	Std. Qty. Wt. (lbs.)	A	B	C	H	Depth of Bell (min.)	Impact @ 0C 75 lb. Tup (ft.-lbs.)
59411N	2"	100	1145	0.218"	2-3/8"	4-1/2"	2-3/8"	2"	150
59413N	3"	40	910	0.300"	3-1/2"	6"	3-1/2"	3"	260

## PV Mold® Boots, Adapters, and Fittings

### Polyethylene Vented Boots and Adapters

1. A field cut may be needed to accommodate different boot or adapter to Prime Conduit PV-Mold size combinations.
2. Recommendation: 2 sets of mounting holes per boot/fitting. To add mounting holes, use a 3/8" drill bit and drill out where needed.
3. When 3" or smaller conduit is being used, it's recommended that the bottom (largest section) of the boot or adapter section be buried 2" to 3" below ground surface.

#### Vented Boots

Part Number	Size	Std. Qty.	Std. Qty. W t. (lbs.)
E938JR	2" x 6"	4	13.5
E938NT	4" x 8"	4	21.0
E938NRR	4" x 6"	6	26.4
E938PRR	5" x 6"	6	23.2

E938JR



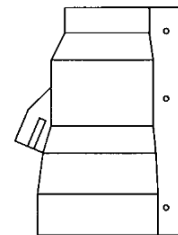
E938NT



E938NRR

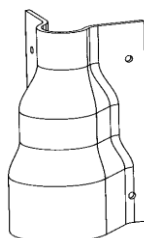


E938PRR

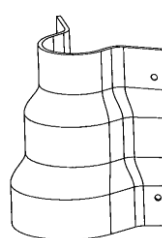


#### Adapters

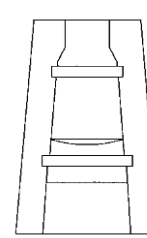
Part Number	Size	Std. Qty.	Std. Qty. W t. (lbs.)
E939JN	2" x 4"	8	10.0
E939NR	4" x 6"	6	11.7
E939NRT	4' x 6"	3	14.0



E939JN



E939NR



E939NRT

#### Duct to Riser Fitting

Part Number	Size	Std. Qty.	Std. Qty. W t. (lbs.)
E939NL	4" x 3"	15	5.6



#### C-Style Backing Plate – 10' Long

Part Number	Size	Std. Qty.	Std. Ctn. W t. (lbs.)
59111P	2"	1	1.4
59113P	3"	1	1.5
59115P	4"	1	3.0
59116P	5"	1	3.1
59117P	6"	1	4.2

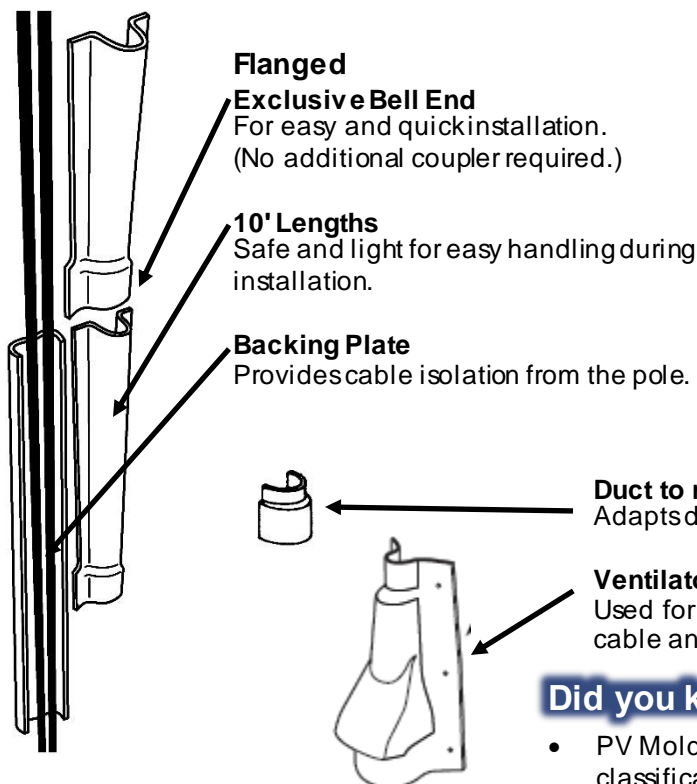


#### Flat-Style Backing Plate – 10' Long

Part Number	Size	Std. Qty.	Std. Ctn. W t. (lbs.)
59111	2"	1	1.4
59113	3"	1	2.0
59115	4"	1	3.0
59116	5"	1	3.7
59117	6"	1	4.1



## PV Mold® Installation Instructions



### Installation is easy with PV-Mold Pole Risers:

1. Install ventilator or duct to riser fittings at the base of the pole.
2. Nail backing plate sections to the surface of the pole. Three nail holes are provided in each section. Place the "U" sections over the cable and backing plate, with belled end at the bottom, and attach using 1/4" lag bolts.

### Did you know...

- PV Mold does not have a fire rating or classification. It is not permitted to be used inside of a building.
- PV Mold is not UL or ETL listed. PV Mold meets and/or exceeds the requirements of NEMA TC-19.

## PV-Mold Adapters

### E939JN

#### To transition from 4" Conduit to 2" PV-Mold:

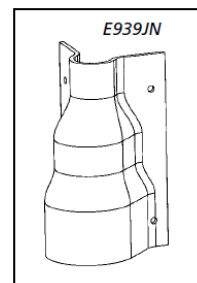
Place Adapter over conduit, attach to pole using the top and bottom mounting holes, place PV-Mold over top section of Adapter and secure PV-Mold to pole.

#### To transition from 4" Conduit to 3" PV-Mold:

Measure 6.3" up from bottom (large end) of adapter and cut. Assemble to pole as described above.

#### To transition from 3" Conduit to 2" PV-Mold\*:

Measure 4.75" up from bottom (large end) of adapter and cut. Assemble to pole as described above.



### E939NR

#### To transition from 5" Conduit to 4" PV-Mold:

Place Adapter over conduit, attach to pole using the top and bottom mounting holes, place PV-Mold over top section of Adapter and secure PV-Mold to pole.

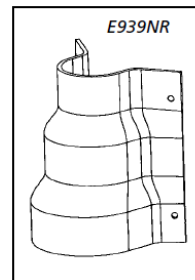
#### To transition from 6" Conduit to 5" PV-Mold:

Measure 7.25" up from bottom (large end) of adapter and cut. Assemble to pole as described above.

#### To transition from 5" Conduit to 5" PV-Mold\*

Measure 4.5" down from the top of adapter and cut. Assemble to pole as described above.

*\*For these transitions it is not necessary to cut the Adapter if desired. If the Adapter is not modified, it is recommended that the bottom 3" of the Adapter be buried below grade.*



### E939NRT

#### To transition from 6" Conduit to 4" PV-Mold:

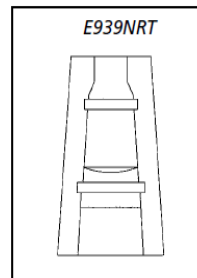
Place Adapter over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold over top section of Adapter and secure PV-Mold to pole.

#### To transition from 6" Conduit to 5" PV-Mold:

Measure 5.25" down from the top of the adapter and cut. Assemble to pole as described above.

#### To transition from 6" Conduit to 6" PV-Mold:

Measure 9.5" up from the bottom of the adapter and cut. Assemble to pole as described above.



## PV Mold® Installation Instructions

### PV-Mold Vented Boots

#### **E938JR**

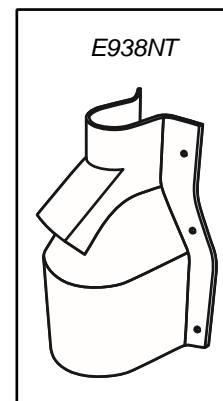
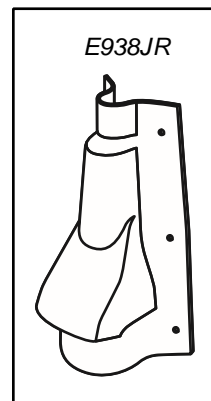
##### **To transition from 5" or smaller Conduit to 2" PV-Mold:**

Place Vented Boot over conduit, attach to pole using the top and bottom mounting holes, place PV-Mold over top section of Vented Boot and secure PV-Mold to pole.

##### **To transition from 5" or smaller Conduit to 3" and larger PV-Mold:**

**For 3" PV-Mold:** Measure 3.75" from the TOP of the Boot and cut. Place the Boot over the Conduit and attach to the pole. Place belled end of PV-Mold over the top end of the boot and secure.

**For 4" and 5" PV-Mold:** Measure 12" up from the BOTTOM of the Boot and cut. Place the Boot over the conduit and attach to the pole. Place the Belled end of the PV-Mold AGAINST the top edge of the vent protrusion and secure to the pole.

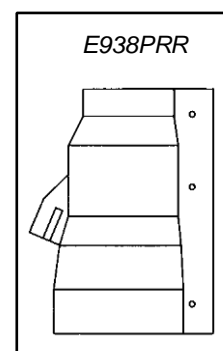
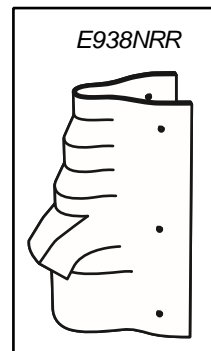


#### **E938NT**

##### **To transition from 6" to 8" Conduit to 4" PV-Mold:**

Place Boot over conduit and attach to the pole using the mounting holes. Place PV-Mold over top section of Vented Boot and secure to the pole. It is recommended that for conduit sizes smaller than 8", the bottom 3" of the boot be buried below grade.

*The E938NT can also be used to transition multiple smaller conduits to PV-Mold.*



#### **E938NRR**

##### **To transition from 6" or smaller conduit to 4" PV-Mold:**

Place Vented Boot over conduit and attach to pole using the top and bottom mounting holes. Place PV-Mold over top section of Vented Boot and secure PV-Mold to pole.

##### **To transition from 6" or smaller conduit to 5" PV-Mold:**

Measure 4.125" down from the top of the vented boot and cut. Assemble to pole as described above.

##### **To transition from 6" or smaller conduit to 6" PV-Mold:**

Measure 8.25" down from the top of the vented boot and cut. Assemble to pole as described above.

#### **E938PRR**

##### **To transition from 6" or smaller conduit to 5" PV-Mold**

Assemble to pole as described above.



### Duct to Riser Fitting

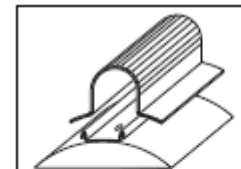
To transition directly from conduit to PV-Mold use Duct to Riser Fittings.

**E939NL:** Transitions 4" Conduit to 3" PV-Mold

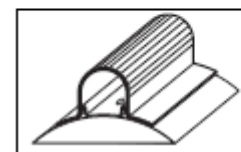
### PV-Mold Backing Plates

When additional insulation is required between the pole and cables, use PV-Mold Backing Plates: Secure backing plate to utility pole. Place Boot and PV-Mold over backing plate, and attach to pole using the mounting holes.

**Note: Apply pressure to Boot and PV-Mold when attaching to pole.**

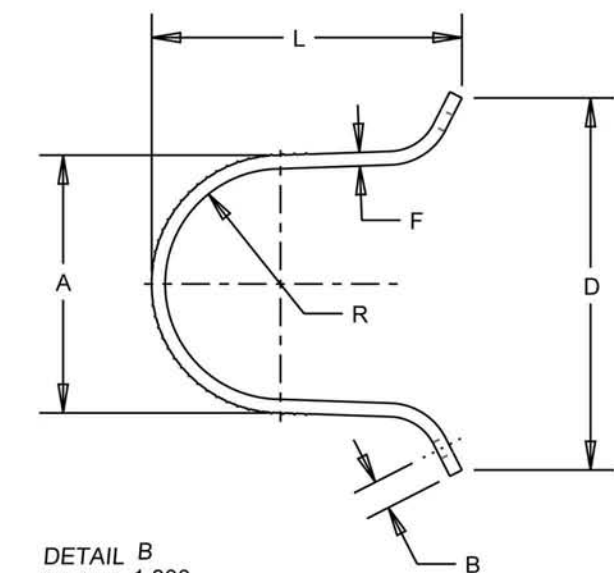


PV-Mold over backing plate

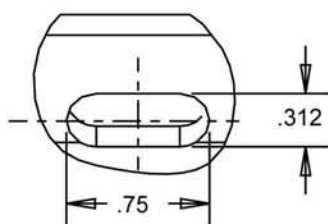


Complete

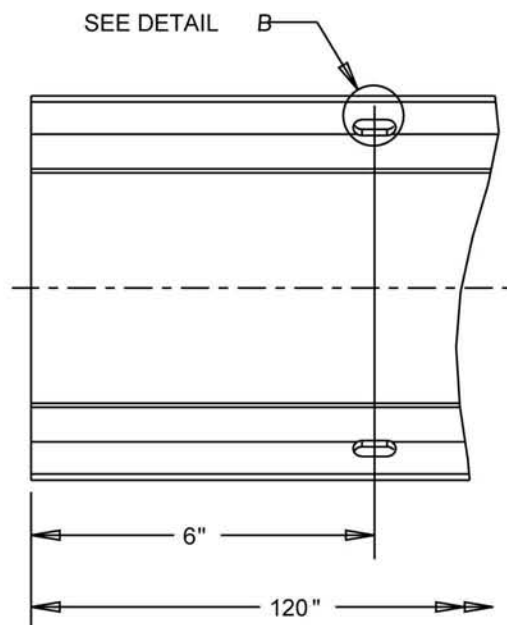




DETAIL B  
SCALE 1.000



NOTE:  
1" & 1-1/2" SIZES HAVE  
.188 WIDE SLOTS ONLY



#### P.V. MOLD - HEAVY WALL - SCH 40

PART NO.	SIZE	A	B	D	F	L	R
59010N	1-1/2"	1.9 [48]	.4 [10]	3.5 [89]	.15 [3.8]	2.1 [53]	.81 [20.6]
59011N	2"	2.4 [61]	.5 [13]	4.5 [114]	.15 [3.8]	2.8 [71]	1.03 [26.2]
59013N	3"	3.5 [89]	.5 [13]	6.0 [152]	.22 [5.6]	4.2 [107]	1.53 [38.9]
59015N	4"	4.5 [114]	.5 [13]	6.5 [165]	.24 [6.1]	5.4 [137]	2.01 [51.1]
59016N	5"	5.5 [140]	.5 [13]	7.5 [191]	.26 [6.6]	6.8 [173]	2.49 [63.2]
59017N	6"	6.6	.5 [13]	8.8 [224]	.28 [7.1]	8.4 [213]	3.03 [77.0]

#### P.V. MOLD - EXTRA HEAVY WALL - SCH. 80

PART NO.	SIZE	A	B	D	F	L	R
59411N	2"	2.4 [61]	.5 [13]	4.5 [114]	.22 [5.6]	2.8 [71]	.97 [24.6]
59413N	3"	3.5 [89]	.5 [13]	6.0 [152]	.30 [7.6]	4.2 [107]	1.45 [36.8]

#### P.V. MOLD - THIN WALL - STANDARD DUTY

PART NO.	SIZE	A	B	D	F	L	R
59208N	1"	1.3	.4 [10]	2.4 [61]	.10 [2.5]	1.5 [38]	.56 [14.2]
59211N	2"	2.4 [61]	.5 [13]	4.5 [114]	.10 [2.5]	2.8 [71]	1.09 [27.7]
59213N	3"	3.5 [89]	.5 [13]	6.0 [152]	.15 [3.8]	4.2 [107]	1.60 [40.6]
59215N	4"	4.5 [114]	.5 [13]	6.5 [165]	.15 [3.8]	5.4 [137]	2.10 [53.3]
59216N	5"	5.5 [140]	.5 [13]	7.5 [191]	.15 [3.8]	6.8 [173]	2.60 [66.0]

TITLE: PV MOLD<sup>(R)</sup> (POLE RISERS)

**Prime Conduit**<sup>®</sup>

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DRN. DATE  
RB 11-04-2014

APP. DATE  
RB 11-04-2014

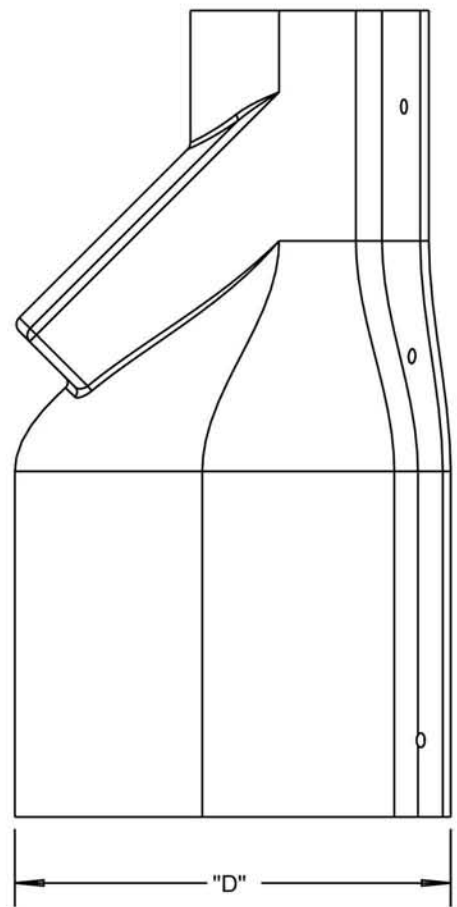
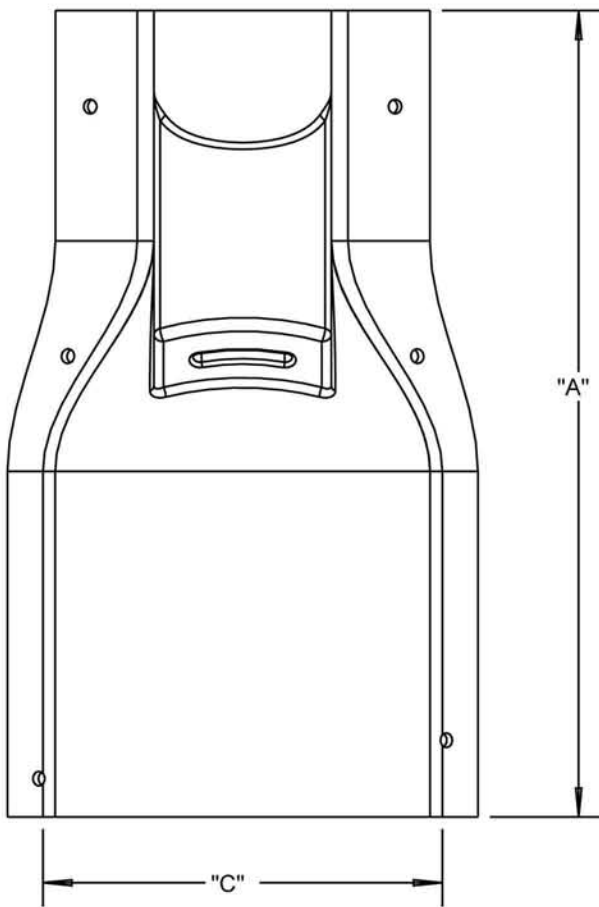
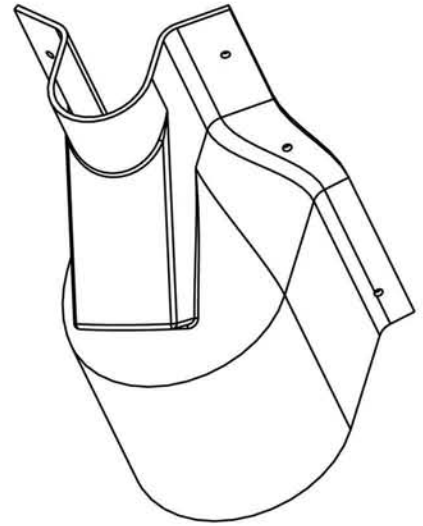
PART NO.: SEE CHARTS

DRAWING NO.: AC04614

REV.  
B

PART NO.	SIZE	"A"	"B"	"C"
E938JR	2" X 6"	20.50 [520.7]	6.14 [156]	6.88 [174.8]
E938NT	4" X 8"	21.00 [533.4]	11.31 [287.3]	9.76 [247.9]

NOTE: DIMENSIONS ARE IN INCH [MILLIMETERS]



TITLE: PV-MOLD<sup>(R)</sup> VENTED BOOT

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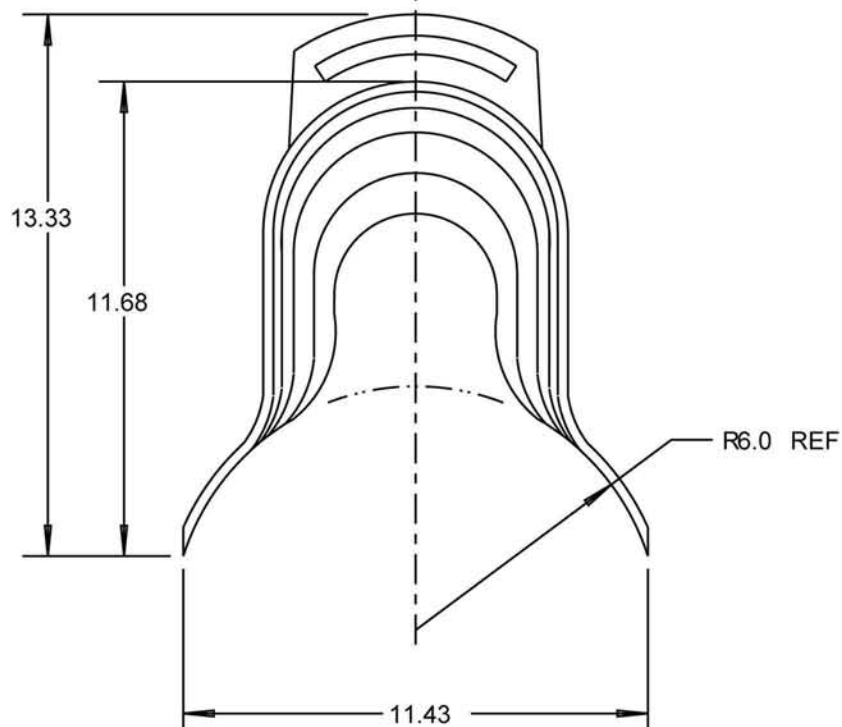
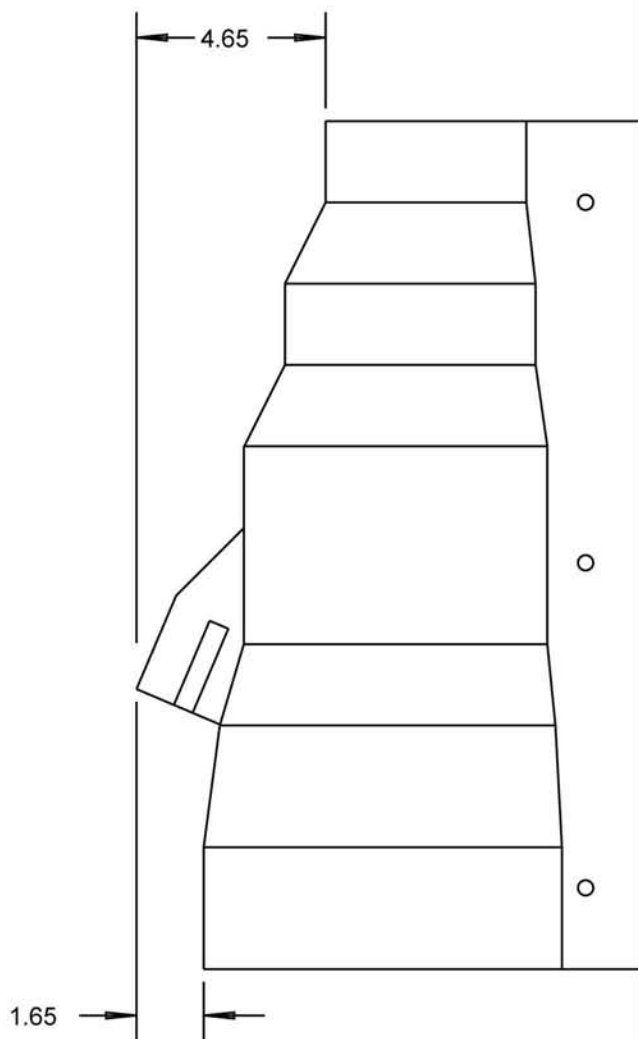
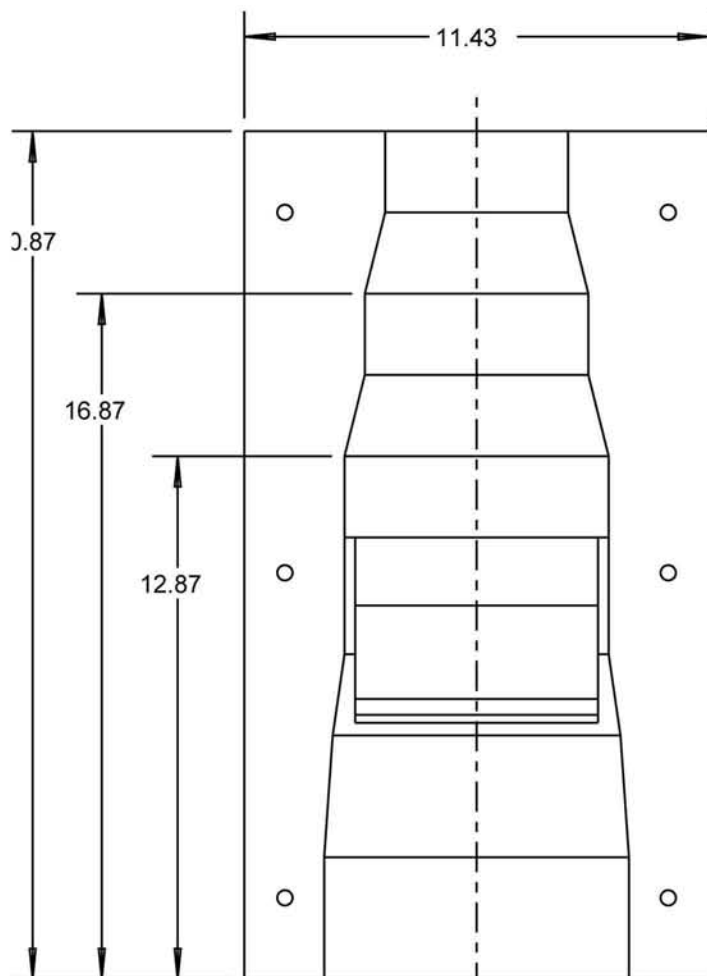
DRN. DATE  
RB 10-30-2014

APP. DATE  
RB 10-30-2014

PART NO.: See Chart

DRAWING NO.: AC04153

REV.  
D



TITLE: PV MOLD<sup>®</sup> VENTED BOOT - 6 INCH

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RB 10-30-2014

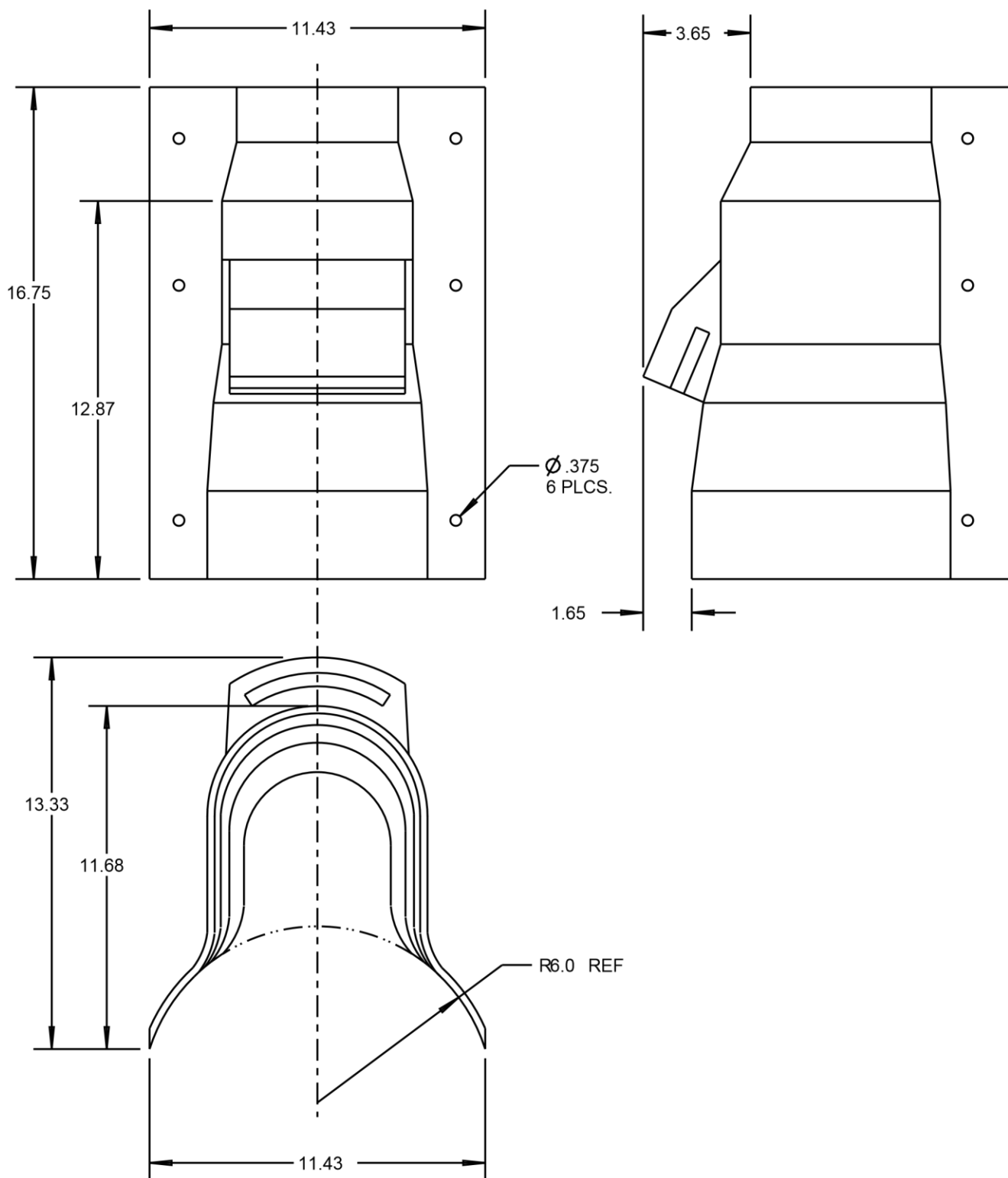
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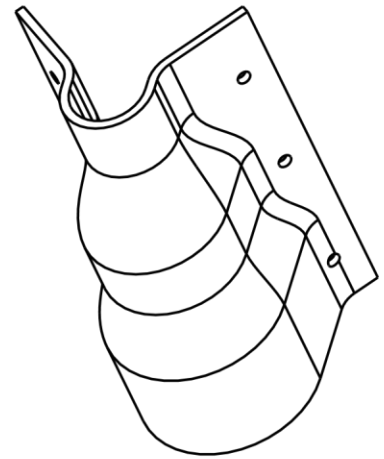
DRAWING NO.: AC04392

REV.  
B





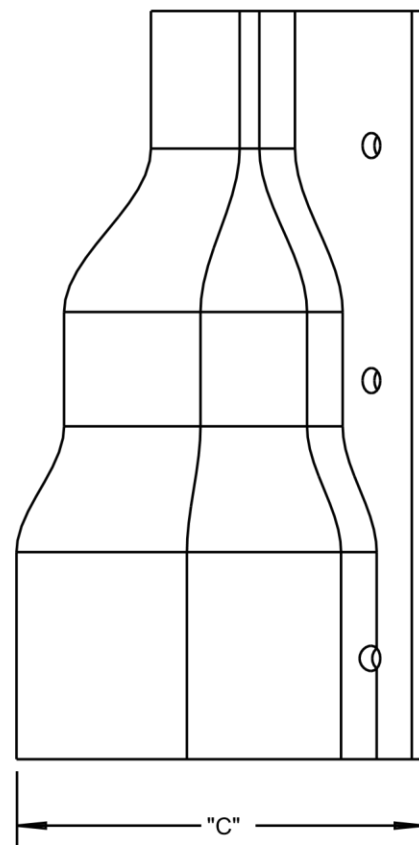
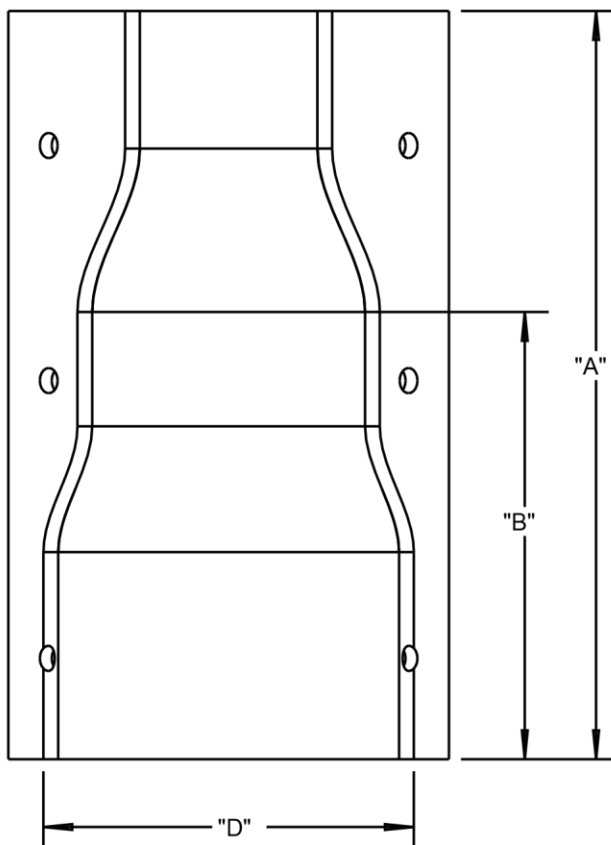
TITLE: VENTED BOOT - 6" TO 5"	DRN. DATE RB 10-30-14	PART NO.: E938PRR			
<b>Prime Conduit®</b>	ALL DRAWINGS ARE THE PROPERTY OF PRIME CONDUIT AND SHALL NOT BE REPRODUCED IN ANY FORM WITHOUT PRIME CONDUIT'S APPROVAL AND ARE TO BE PROMPTLY RETURNED UPON REQUEST.	<table border="1"> <tr> <td data-bbox="927 1986 1117 2045">APP. DATE RB 10-30-14</td> <td data-bbox="1122 1986 1511 2045">DRAWING NO.: AC04923</td> <td data-bbox="1516 1986 1563 2045">REV. A</td> </tr> </table>	APP. DATE RB 10-30-14	DRAWING NO.: AC04923	REV. A
APP. DATE RB 10-30-14	DRAWING NO.: AC04923	REV. A			




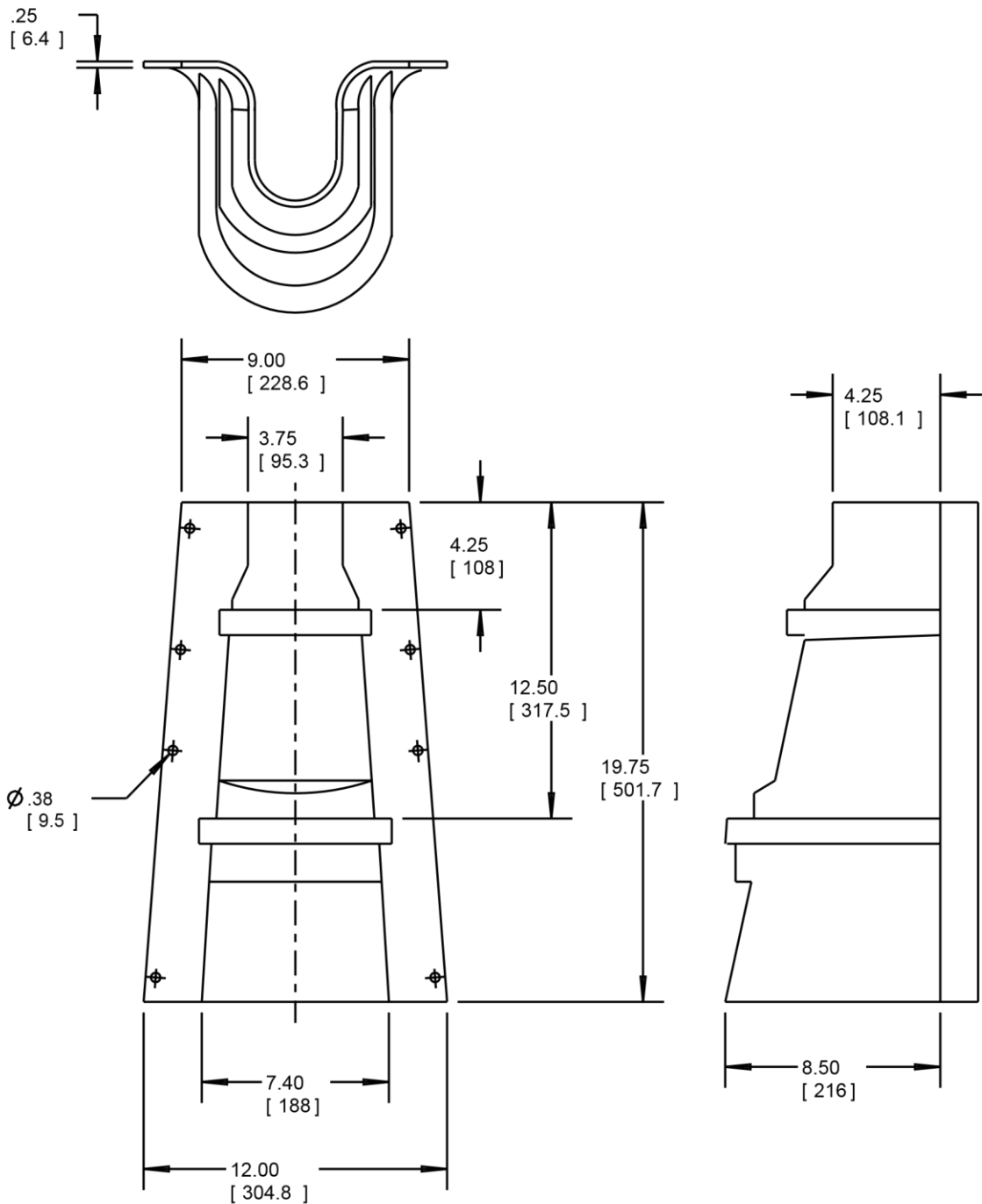
P/N E939JN SHOWN  
SCALE 0.200

PART NO.	SIZE	"A"	"B"	"C"	"D"
E939JN	2" X 4"	11.00 [279.4]	6.75 [171.5]	5.88 [149.4]	5.07 [128.8]
E939NR	4" X 6"	11.00 [279.4]	6.75 [171.5]	7.08 [179.8]	7.13 [181.1]

NOTE: DIMENSIONS ARE IN INCH [MILLIMETERS]



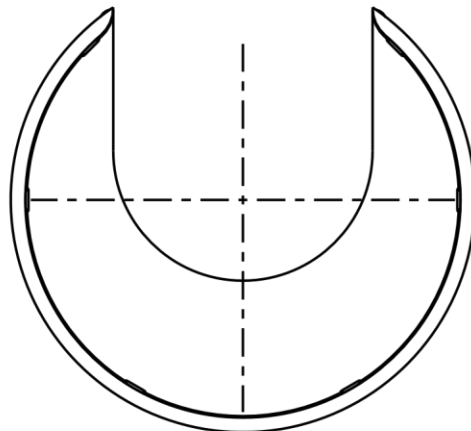
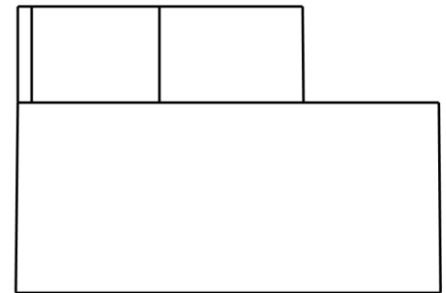
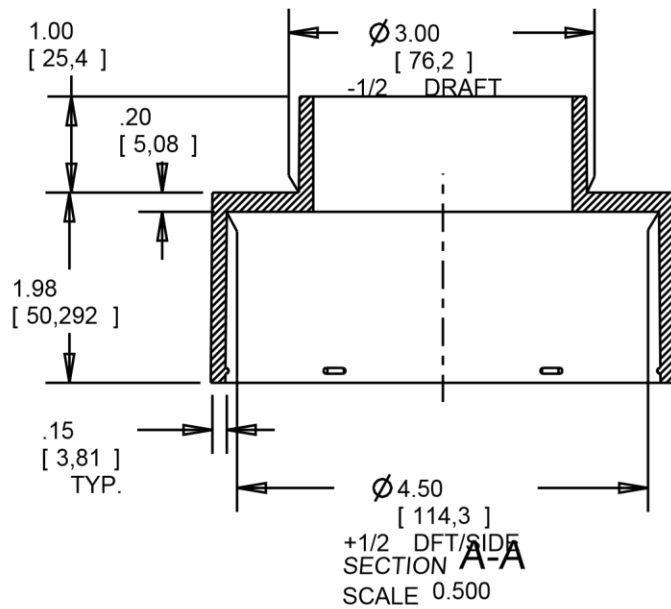
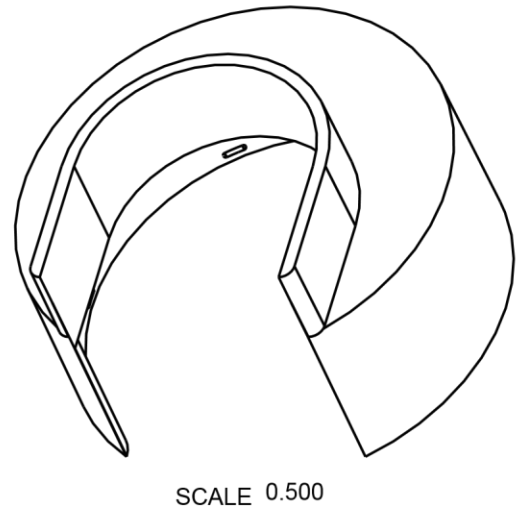
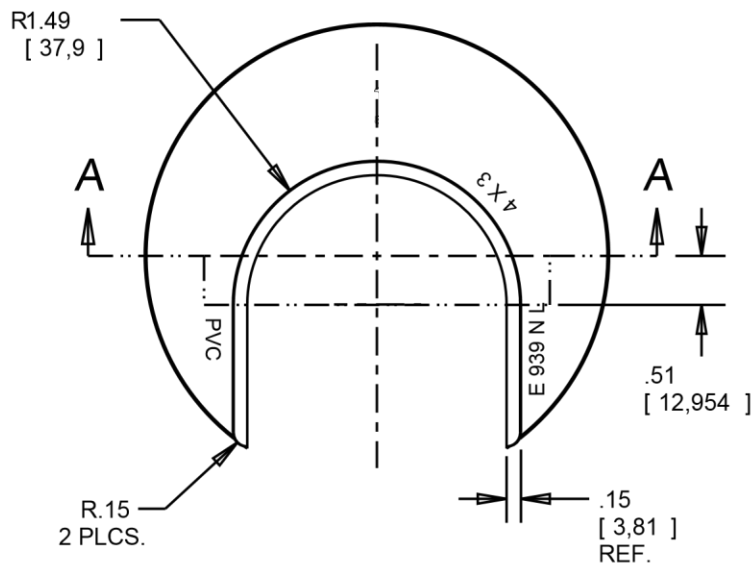
TITLE: PV-Mold® Adapter		DRN. DATE RB 10-30-14	PART NO.: <b>SEE CHART</b>
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			REV. C



NOTES:

1. ALL DIMENSIONS ARE IN INCH/[MILLIMETERS]

TITLE: 3" TO 6" PV MOLD® BOOT		DRN. DATE RB 10-30-14	PART NO.: E939NRT	
<b>Prime Conduit®</b>	ALL DRAWINGS ARE THE PROPERTY OF PR ME CONDUIT AND SHALL NOT BE REPRODUCED IN ANY FORM WITHOUT PR ME CONDUIT'S APPROVAL AND ARE TO BE PROMPTLY RETURNED UPON REQUEST.	APP. DATE RB 10-30-14	DRAWING NO.: AC04408	REV. A



TITLE: 4" X 3" MOLDED DUCT TO RISER FITTING

DRN. DATE  
RB 11-04-14

PART NO.: E939NL

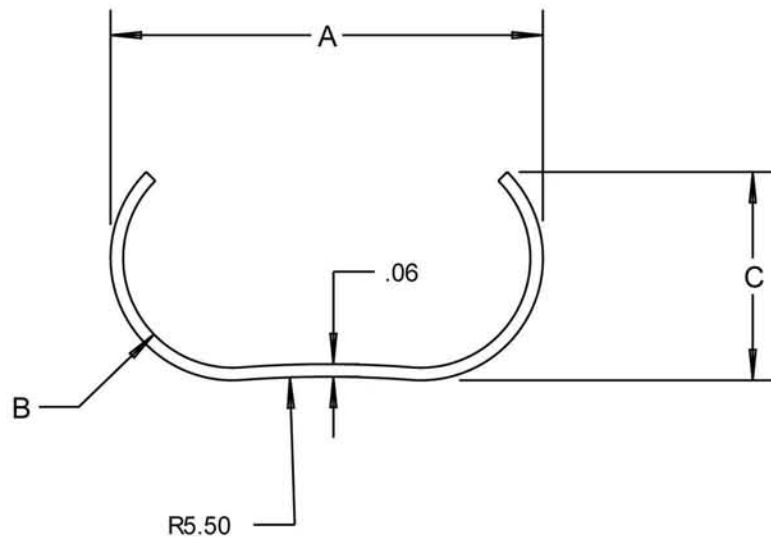
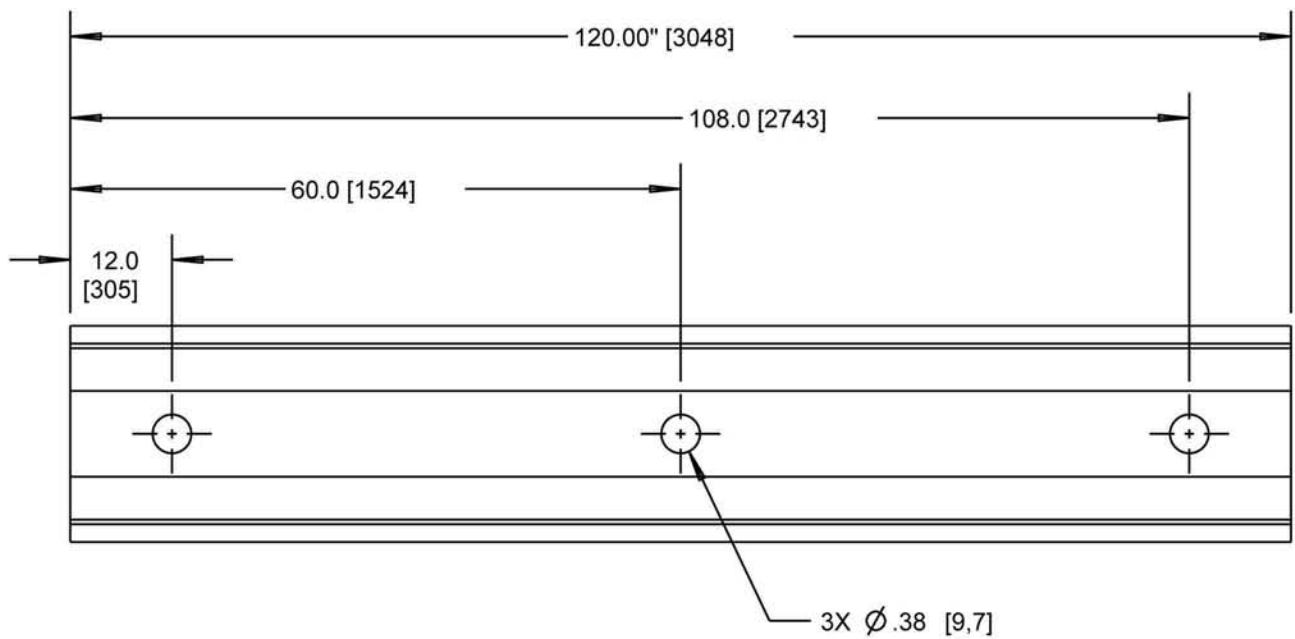
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APP. DATE  
RB 11-04-14

DRAWING NO.: AC05063

REV.  
A



PART NUMBER	SIZE	A	B	C
59111P	2" [53]	2.13 [54,1]	.50 [12,7]	.83 [21,1]
59113P	3" [78]	3.13 [79,5]	.75 [19,1]	1.33 [33,8]
59115P	4" [103]	4.13 [104,9]	.88 [22,4]	1.33 [33,8]
59116P	5" [129]	5.25 [133,4]	1.00 [25,4]	1.75 [44,5]
59117P	6" [155]	6.06 [153,9]	1.13 [28,7]	1.63 [41,4]

TITLE: PV MOLD<sup>(R)</sup> BACKPLATE C - TYPE

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DRN. DATE  
RB 10-30-2014

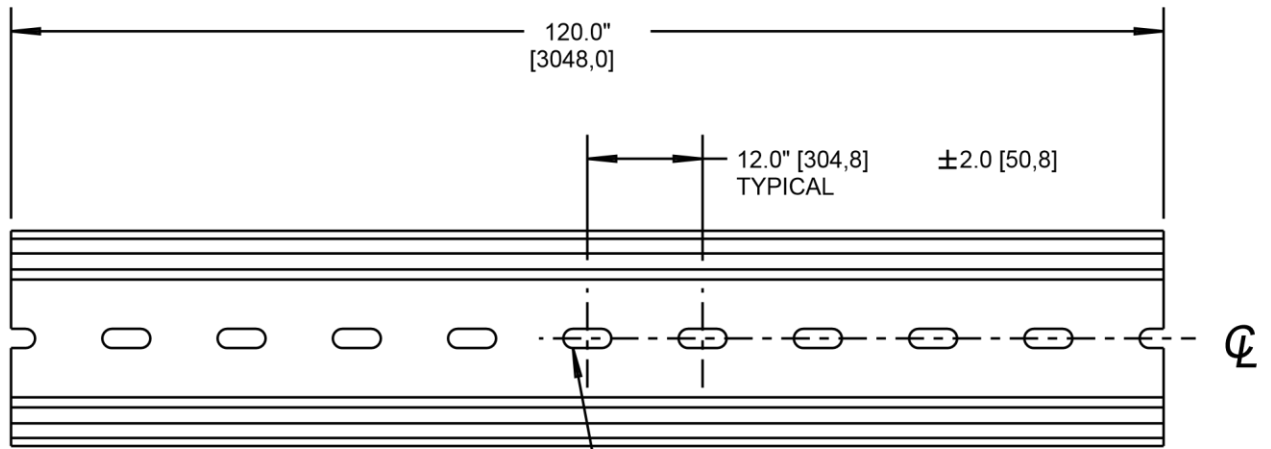
APP. DATE  
RB 10-30-2014

PART NO.: SEE CHART

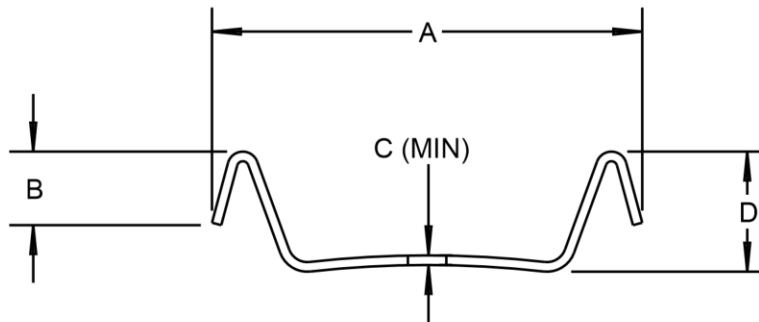
DRAWING NO.: AC05137

REV.  
A





SLOT .200 ±.020 HIGH x .500 WIDE (TYPICAL)  
[5,1] ±[0,5] HIGH x [12,7] WIDE (TYP)



PART NUMBER	SIZE	A	B	C	D
59111	2" [53]	2.24 [56,9]	.37 [9,4]	.05 [1,3]	.58 [14,7]
59113	3" [78]	3.41 [86,6]	.37 [9,4]	.06 [1,5]	.57 [14,5]
59115	4" [103]	4.37 [111,0]	.38 [9,7]	.05 [1,3]	.56 [14,2]
59116	5" [129]	5.15 [130,8]	.35 [8,9]	.06 [1,5]	.60 [15,2]
59117	6" [155]	5.90 [149,9]	1.0 [25,4]	.06 [1,5]	1.40 [35,6]

TITLE: PV MOLD® BACKPLATE – FLAT TYPE		DRN. DATE RB 10-30-14	PART NO.: <b>SEE CHART</b>
<b>Prime Conduit®</b>	ALL DRAWINGS ARE THE PROPERTY OF PRIME CONDUIT AND SHALL NOT BE REPRODUCED IN ANY FORM WITHOUT PRIME CONDUIT'S APPROVAL AND ARE TO BE PROMPTLY RETURNED UPON REQUEST.	APP. DATE RB 10-30-14	DRAWING NO.: <b>AC05138</b>
			REV. A