

Job Name: 26-2805 - ARV Vaults
Job Location: Brandenburg, KY
Contractor: Twin States Utilities, Inc.

Plant: 100

7/22/2026 5:15:36 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: QL1 W-ARV 1

P3 MH048LD12CC

MH FLAT TOP w/ 24" Center Hole F/G

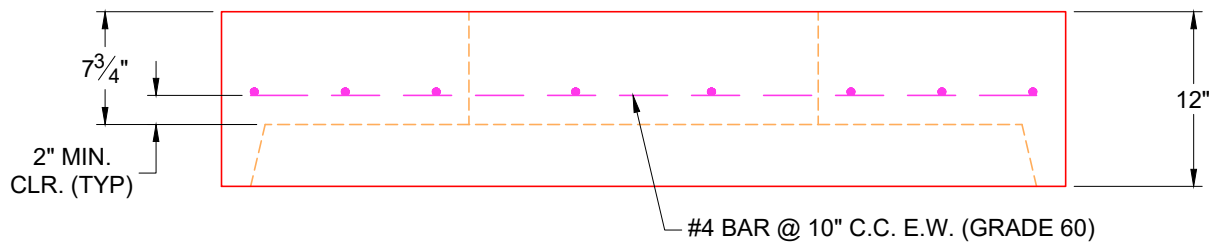
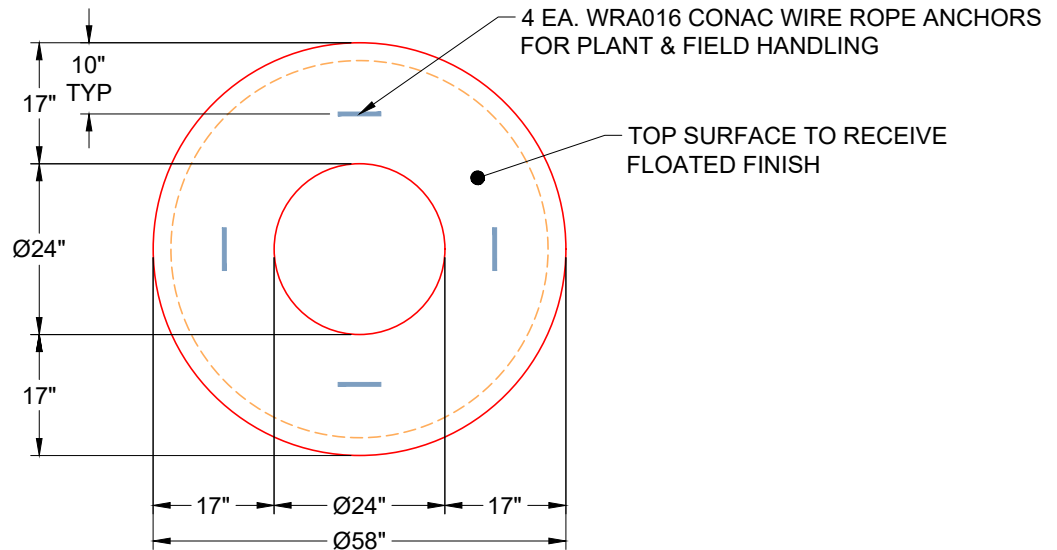
P4) 24" - CASTING HEIGHT - 7"
P3) 48" - MH FLAT TOP w/ 24" Center Hole F/G - 12"
P2) 48" - MH DH RISER T/F - 48"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
1) CASTING - HOE MC-315 F/C Water
2) 48" - Con Seal CS-102 1.00" (Double)
1) 24" - Con Seal CS-102 1.00" (Double)
2) DOGHOUSE - 20"x22"

0 lb
1580 lb
2998 lb
0 lb
258 lb
0 lb
0 lb
0 lb
0 lb

Structure Total: 4836 lb

Structure Notes:

1. HOE MC-315 F/C WATER PROVIDED BY ICAST.
2. PER ASTM C478 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .47) #5 BARS AT 8" C.C.E.W.



Coating (Int):
Coating (Ext):

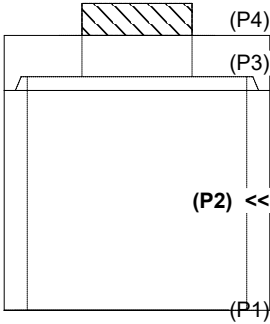
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

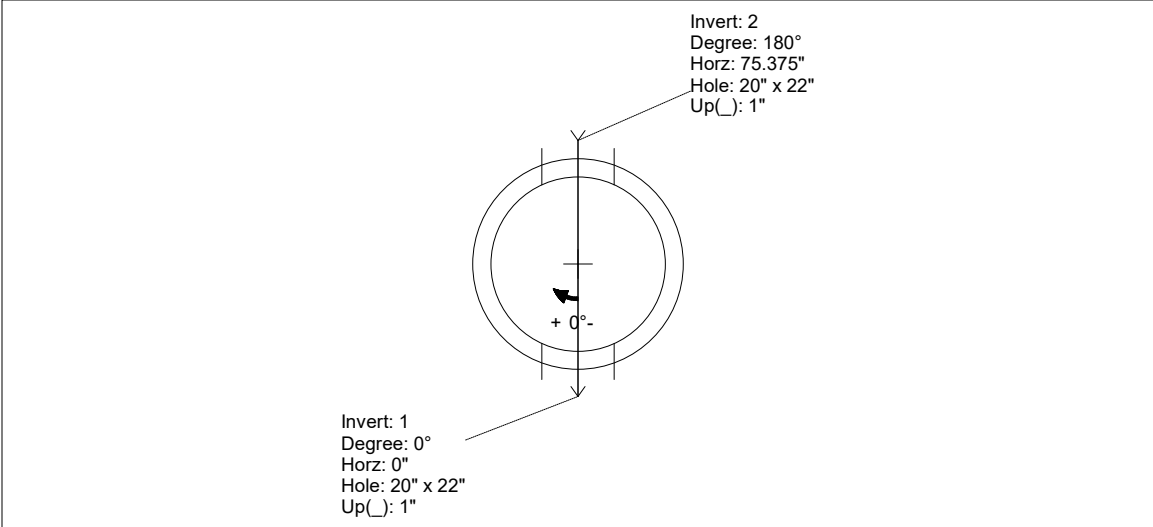
Weight (Net): 1580 lb
Volume (Net): 0.39cu.yd

Job Name: 26-2805 - ARV Vaults Job Location: Brandenburg, KY Contractor: Twin States Utilities, Inc.					Plant: 100 7/22/2026 5:15:50 PM		Tech: Jared - A PC: Thomas Ryan				
Structure ID: QL1 W-ARV 1											
P2 MH048DHRS48			MH DH RISER T/F								
P4) 24" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/ 24" Center Hole F/G - 12" P2) 48" - MH DH RISER T/F - 48" P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0" 1) CASTING - HOE MC-315 F/C Water 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 20"x22"						0 lb 1580 lb 2998 lb 0 lb 258 lb 0 lb 0 lb 0 lb ----- 0 lb		<u>Structure Notes:</u> 1. HOE MC-315 F/C WATER PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .47) #5 BARS AT 8" C.C.E.W.			
Structure Total: 4836 lb											
Rim: 5.833' Rim to Invert: 5.5' Slack: 2.996" Sump: 3.996" Step Position:											
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset	
Invert 1	0.333'	0°	0"	16" DI	17.5"	DOGHOUSE 20"x22"	20" x 22"	20.629"	1"	0"	
Invert 2	0.333'	180°	91.125"	16" DI	17.5"	DOGHOUSE 20"x22"	20" x 22"	20.629"	1"	0"	
Invert 3											
Invert 4											
Invert 5											
Invert 6											
Invert 7											
Invert 8											



(P4)
(P3)
(P2) <<
(P1)

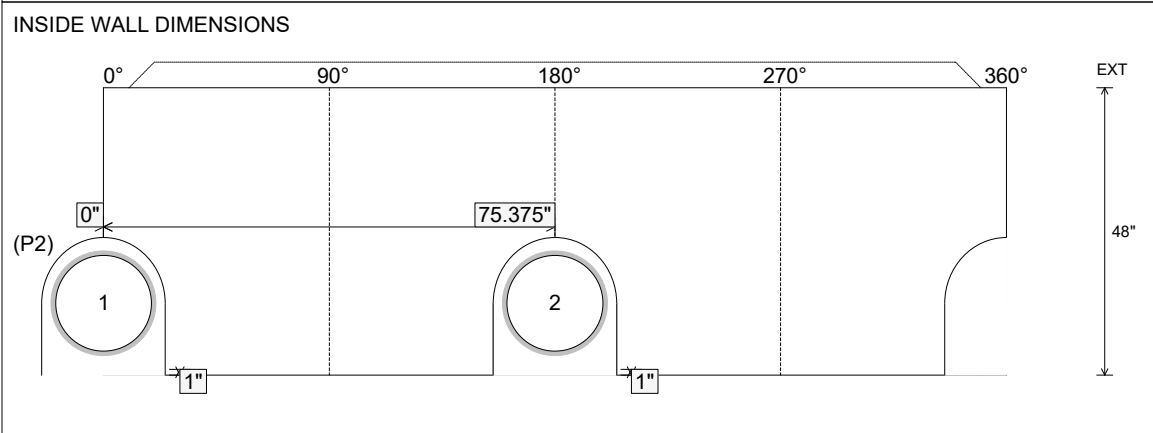
RIGHT-SIDE UP VIEW (int. dimensions)



Invert: 2
Degree: 180°
Horz: 75.375"
Hole: 20" x 22"
Up(_): 1"

Invert: 1
Degree: 0°
Horz: 0"
Hole: 20" x 22"
Up(_): 1"

INSIDE WALL DIMENSIONS



0° 90° 180° 270° 360°

EXT 48"

75.375"

20"

1"

1"

(P2)

1

2

Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 5" Floor Height: 0"	Height (Int): 48" Height (Ext): 48"	Weight (Net): 2998 lb Volume (Net): 0.77cu.yd
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Plant: 100

7/22/2026 5:15:36 PM

Tech: Jared - A

PC: Thomas Ryan



Structure ID: QL1 W-ARV 2

P3 MH048LD12CC

MH FLAT TOP w/ 24" Center Hole F/G

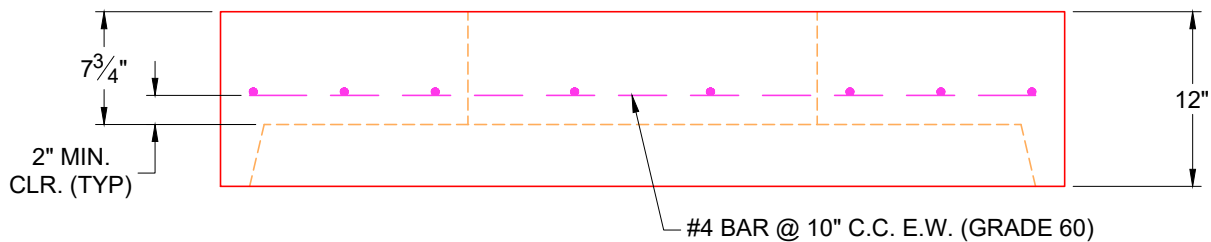
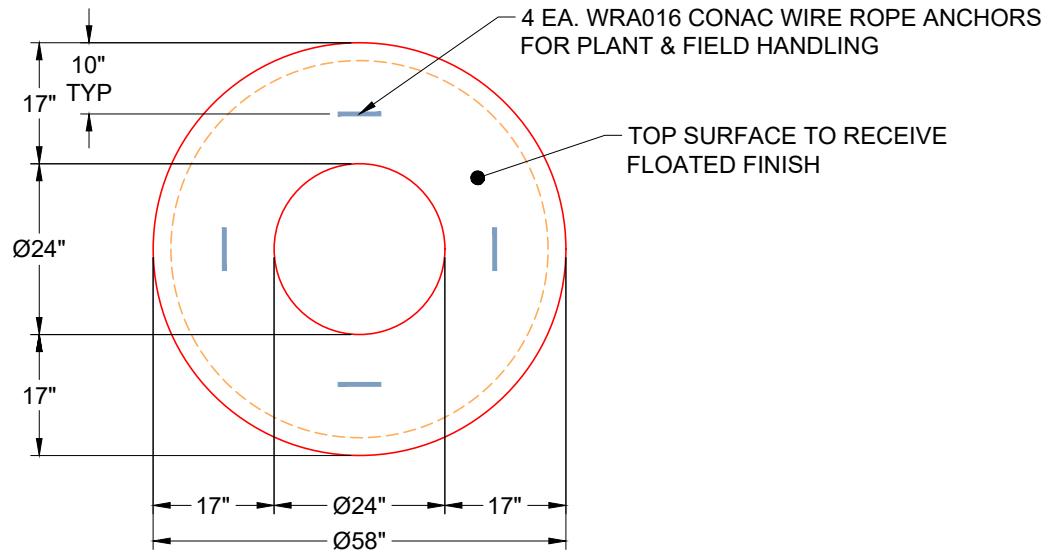
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P2) 48" - MH DH RISER Custom Ht T/F - 48"
P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"
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2) 48" - Con Seal CS-102 1.00" (Double)
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Structure Total: 4836 lb

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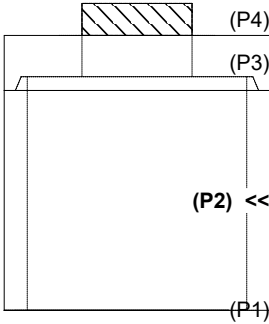
Seam Up: Flat
Seam Dn: Groove

Wall Thickness: 5"

Height (Ext): 12"

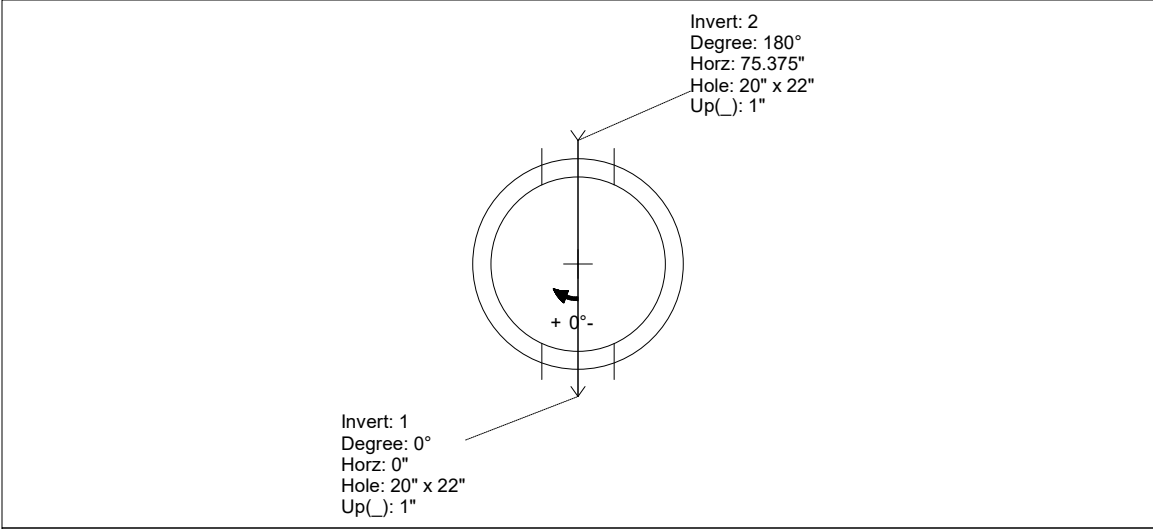
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Volume (Net): 0.39cu.yd

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Structure ID: QL1 W-ARV 2											
P2		MH048DHVF		MH DH RISER Custom Ht T/F							
P4) 24" - CASTING HEIGHT - 7" P3) 48" - MH FLAT TOP w/ 24" Center Hole F/G - 12" P2) 48" - MH DH RISER Custom Ht T/F - 48" P1) 48" - P.I.P. BY OTHERS - BTM SLAB F/n - 0" 1) CASTING - HOE MC-315 F/C Water 2) 48" - Conseal CS-102 1.00" (Double) 1) 24" - Conseal CS-102 1.00" (Double) 2) DOGHOUSE - 20"x22"						0 lb 1580 lb 2998 lb 0 lb 258 lb 0 lb 0 lb 0 lb 0 lb		Structure Notes: 1. HOE MC-315 F/C WATER PROVIDED BY ICAST. 2. PER ASTM C478 SPECIFICATIONS. 3. CONCRETE = 4,000 PSI AT 28 DAYS 4. REINFORCING PER ASTM A615 (GRADE 60). - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W. - WALLS (As .47) #5 BARS AT 8" C.C.E.W.			
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(P4)
(P3)
(P2) <<
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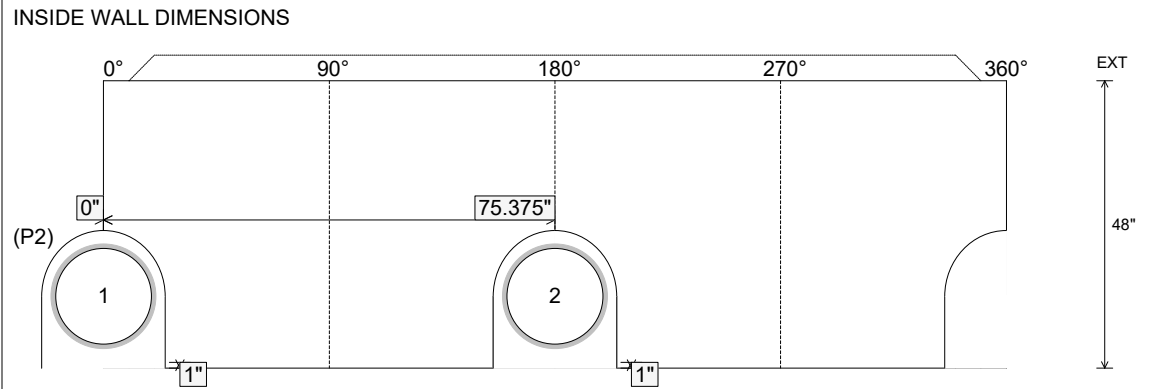
RIGHT-SIDE UP VIEW (int. dimensions)



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INSIDE WALL DIMENSIONS



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(P2)

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P3 MH048LD12CC

MH FLAT TOP w/ 24" Center Hole F/G

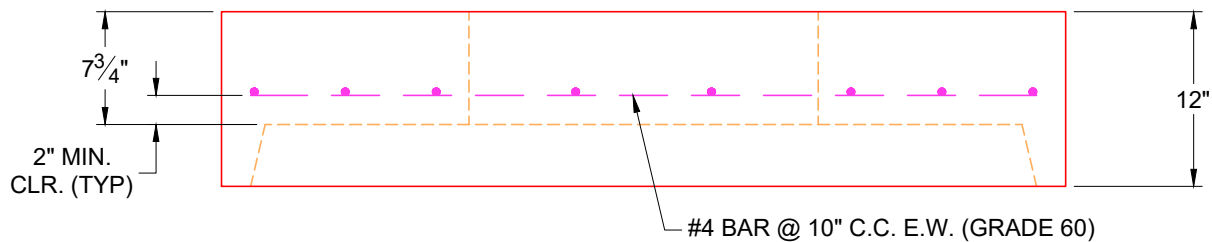
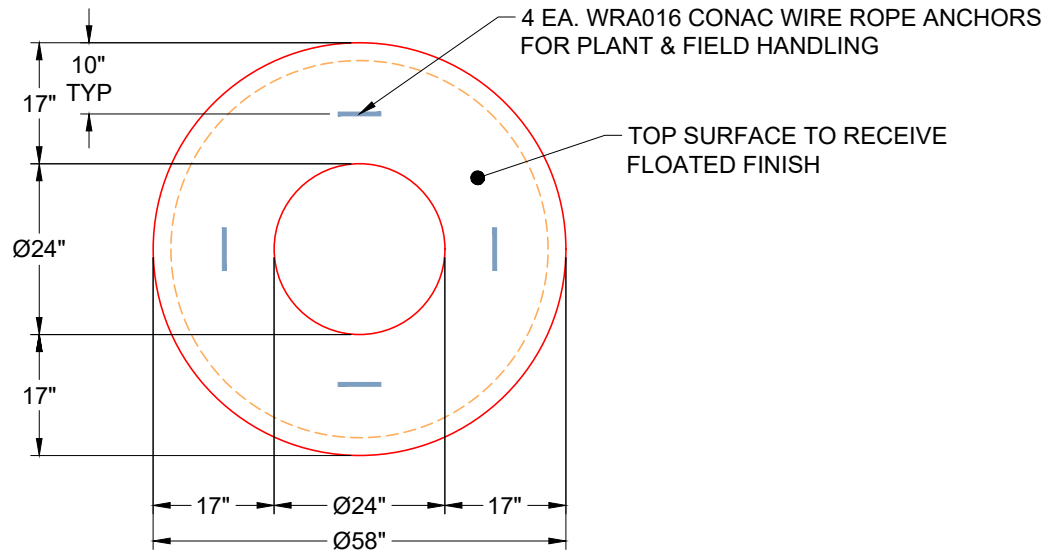
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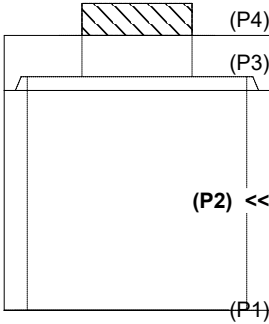
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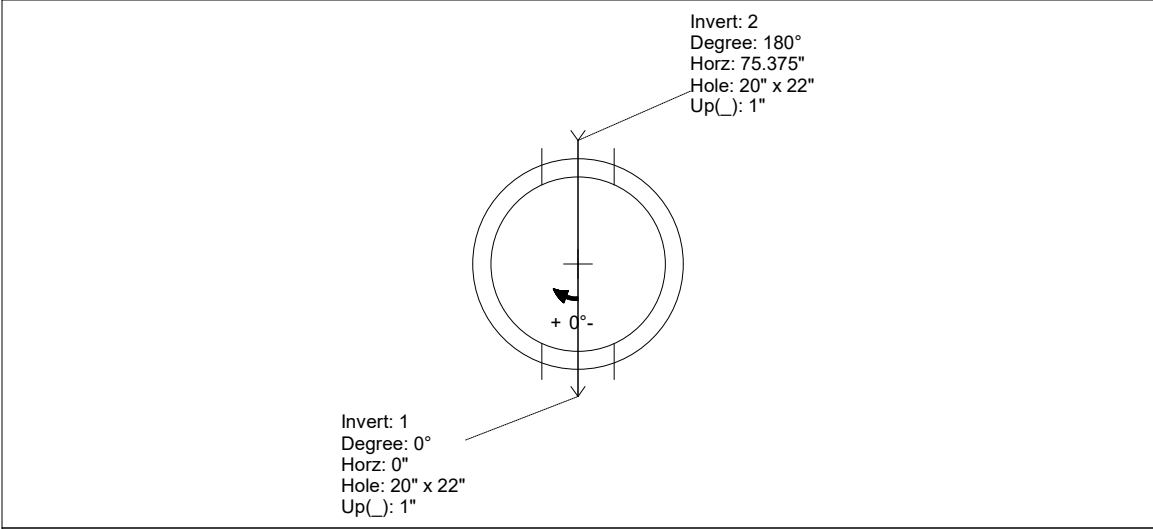
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(P4)
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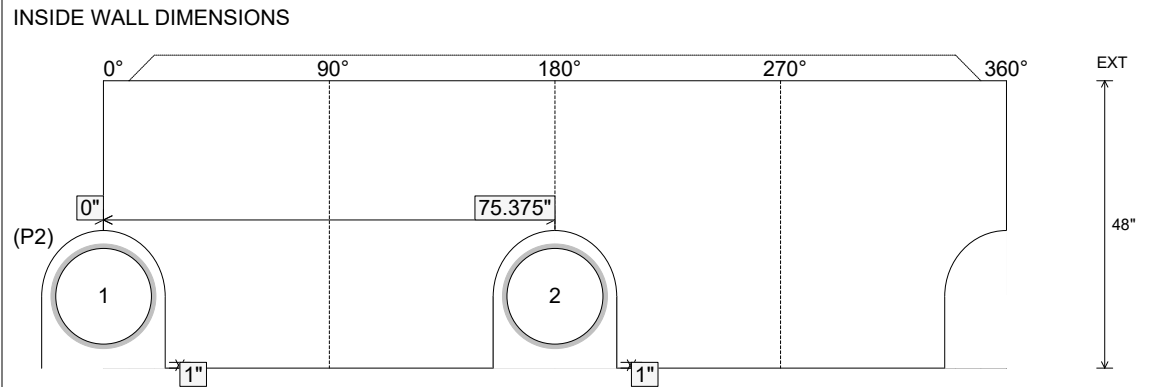
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