Job Name: 25-3334 Hickory Industrial Park
Job Location: Hickory, KY
Contractor: Crider Paving & Excavating

Plant: Beaver Dam
11/17/2025 12:19:49 PM

Tech: C.Russ
PC: E.Bradley

Structure ID: VALVE VAULT

P1 MH060BAEVF MH BASE w/FLANGE CUSTOM HT

P3)	60" - MH FLAT TOP w/42"x42" Hatch - 13"	1921 lb
P2)	60" - MH RISER - 24"	2505 lb
P1)	60" - MH BASE w/FLANGE CUSTOM HT - 54"	9634 lb
1)	JOINT WRAP PRIMER - CONSEAL CS-75 (1 gal.)	0 lb
1)	JOINT WRAP - 0.065"x6"x50' CONSEAL CS212	0 lb
1)	This Structure Includes a Cast-in Item	0 lb
1)	SECONDARY POUR	0 lb
2)	60" - Conseal CS-102 1.00" (Double)	0 lb
3)	Hole - 8	0 lb
1)	Hole - 4	0 lb
186.58 SqFt)	Carboline Bitumastic 300M [EXT]	0 lb
	Structure Total:	14060 lb

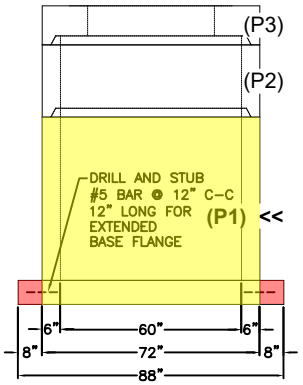
FIRST POUR DRAWING

WEIGHTS:
FIRST POUR - 8,284 LBS.
SECOND POUR - 1,350 LBS.
TOTAL - 9,634 LBS.

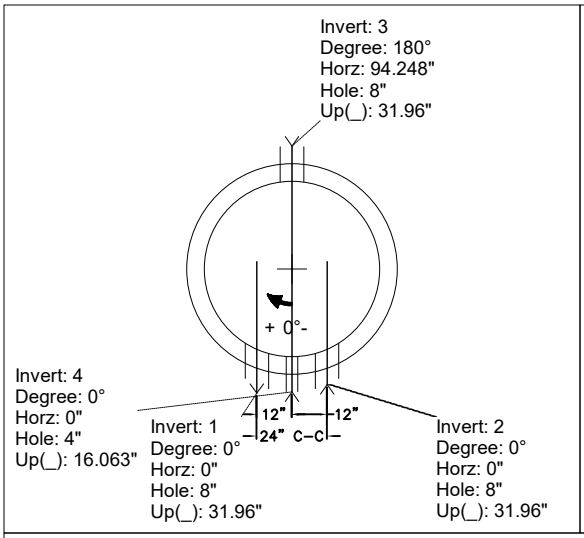
Structure Notes:
1. PER ASTM C478 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. HALLIDAY HATCH 42"x42" BY OTHERS CAST INTO CENTER OF TOP SLAB.
4. REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .31)#5 BAR @ 6" O.C.E.W
- RISER/WALLS (As .12)
- FLOOR (As .31) #5 BARS AT 12" C.C.E.W.
5. STRUCTURE TO HAVE TWO EXTERIOR COATS OF CARBOLINE 300M.
6. LINKS SEALS FOR 4" DI PIPE BY OTHERS

Rim: 485.6' Rim to Invert: 6.18' Slack: 0.2" Sump: 17.04" Step Position:

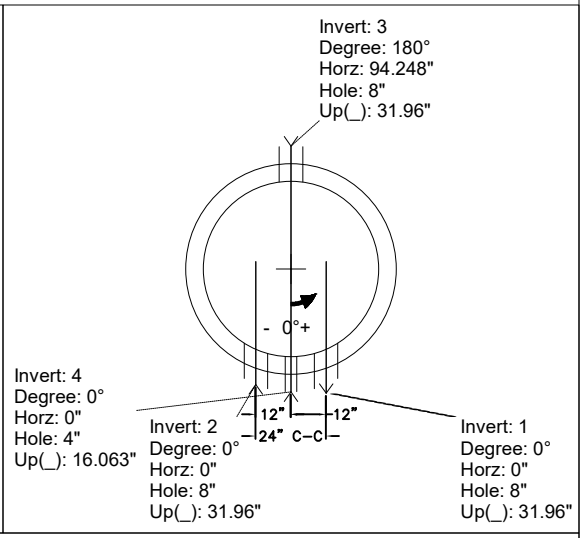
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up (_)	Offset
Invert 1	480.83'	0°	12.234"	4" DI	4.75"	Hole 8	8"	8.778"	31.96"	12"
Invert 2	480.83'	0°	-12.234"	4" DI	4.75"	Hole 8	8"	8.778"	31.96"	-12"
Invert 3	480.83'	180°	113.097"	4" PVC SDR21	4.375"	Hole 8	8"	8.024"	31.96"	0"
Invert 4	479.42'	0°	0"	2" PVC SCH40	2.375"	Hole 4	4"	4.003"	16.063"	0"
Invert 5										
Invert 6										
Invert 7										
Invert 8										



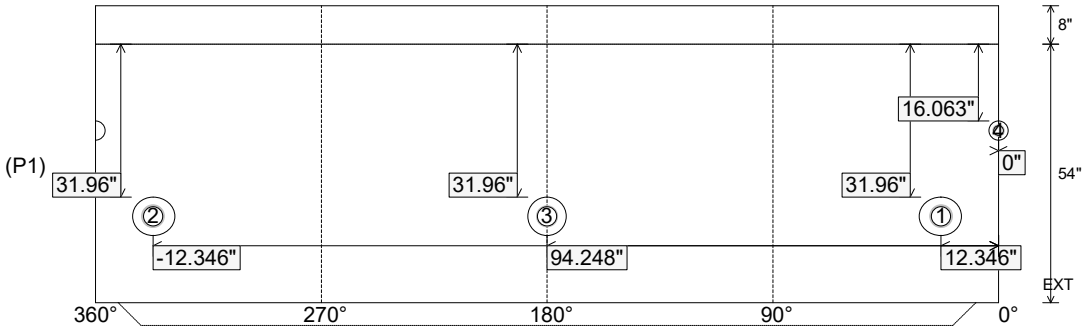
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimenions)



INSIDE WALL DIMENSIONS



Coating (Int):
Coating (Ext): Carboline Bitumastic 300M

Seam Up: Tongue
Seam Dn: n/a

Wall Thickness: 6"
Floor Height: 8"

Height (Int): 54"
Height (Ext): 62"

Weight (Net): 9634 lb
Volume (Net): 2.46cu.yd

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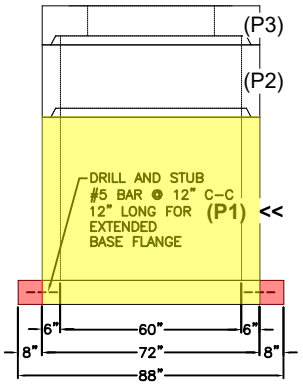

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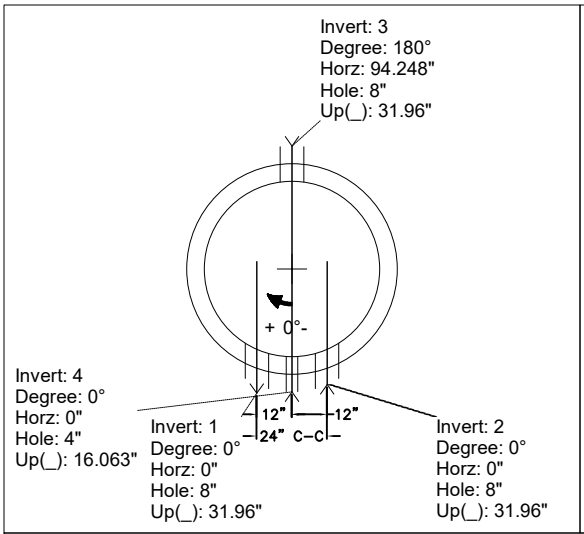

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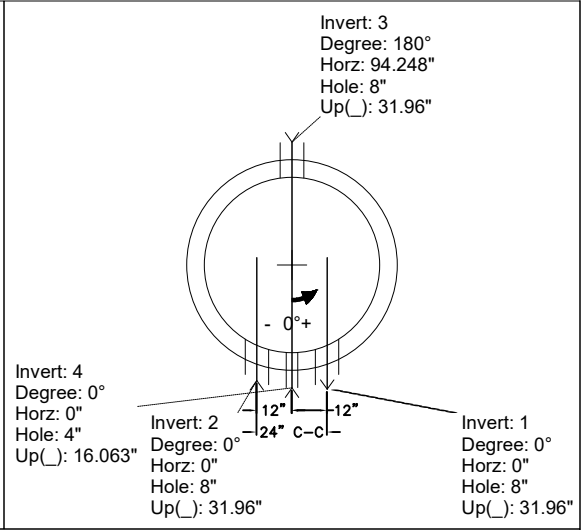

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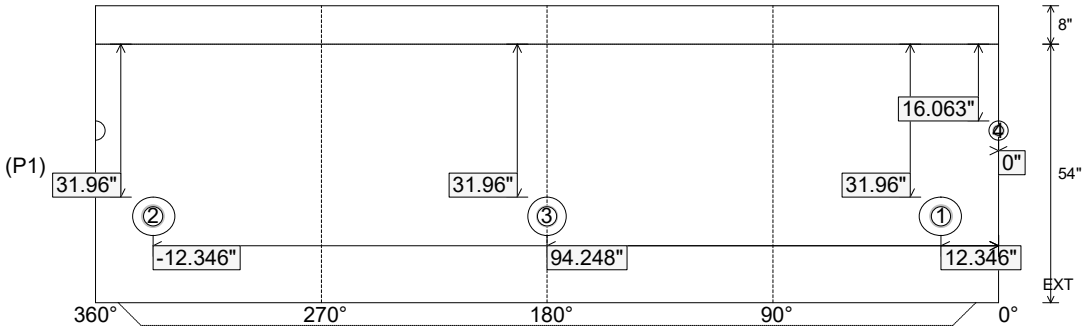

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