

Job Name: 24-4340B - East Leafdale Water Main Upgrade Job Location: Hodgenville, KY Contractor: Ferguson Waterworks #1491	Plant: 100	Tech: J. Horsley - F
	11/14/2025 10:40:12 AM	PC: C. Goff

Structure ID: Vault

P1 BX6096-06W06F-BAVF

BOX BASE 6inW, 6inF, Variable Ht F/n

P3) 30" x 42" - CASTING HEIGHT - 0"	0 lb
P2) 60" x 96" - BX FLAT LID 6inWall w/30"x42" HATCH F/F - 8"	4374 lb
P1) 60" x 96" - BOX BASE 6inW, 6inF, Variable Ht F/n - 60"	14031 lb
1) LADDER (Alum.) - HALLIDAY L1D 72in Wall-Floor mount ladder	65 lb
1) LADDER (Alum.) - HALLIDAY L1E 72in Ladder Extension	65 lb
1) HATCH (Alum.) - HALLIDAY W1S 30"x42"	77 lb
1) Hole - 6	0 lb
2) Hole - 5	0 lb
Structure Total:	18612 lb

Structure Notes:

- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- NO STEPS AND NO INVERT CHANNEL.
- HATCH BY ICAST (HALLIDAY W1S 30"x42").
- AL LADDER W/SAFETY POST BY ICAST.

REINFORCING PER ASTM A615 (GRADE 60).

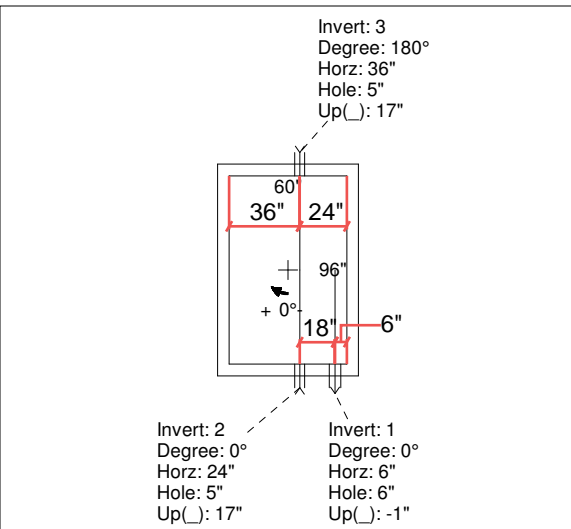
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .47) #5 BARS AT 8" C.C.E.W.
- FLOOR (As .47) #5 BARS AT 8" C.C.E.W.

Rim: 5.67' Rim to Invert: 5.67' Slack: 0.04" Sump: 0" Step Position: 90°

Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	0'	0°	12"	4" PVC SDR26	4.25"	Hole 6	6"	6"	-1"	-24"
Invert 2	1.5'	0°	30"	3" DI	3.5"	Hole 5	5"	5"	17"	-6"
Invert 3	1.5'	180°	42"	3" DI	3.5"	Hole 5	5"	5"	17"	6"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

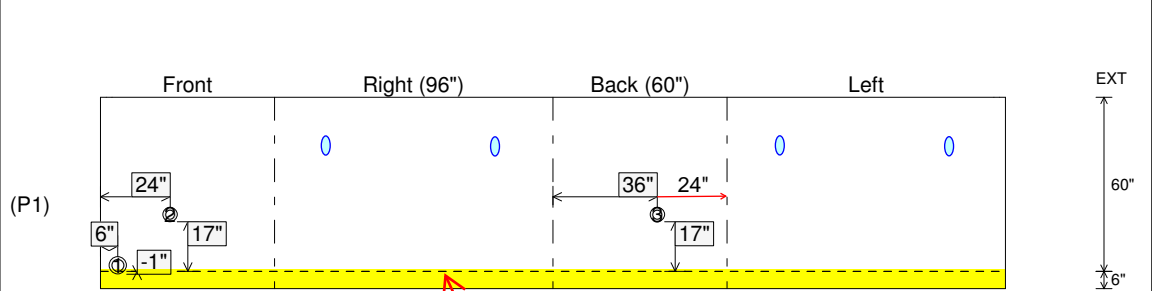
RIGHT-SIDE UP VIEW (int. dimensions)

UPSIDE-DOWN VIEW (int. dimensions)



1ST POUR (FLOOR) = 3,915 LBS
2ND POUR (WALLS) = 10,116 LBS

INSIDE WALL DIMENSIONS



1st POUR (FLOOR) STUB #5 L BARS OUT TOP OF FLOOR AT 12" C/C FOR CONNECTING WALLS

CONSEAL CS-231 BETWEEN FLOOR & WALLS

Coating (Int):	Seam Up: Flat	Wall Thickness: 6"	Height (Int): 60"	Weight (Net): 14031 lb
Coating (Ext):	Seam Dn: n/a	Floor Height: 6"	Height (Ext): 66"	Volume (Net): 3.58cu.yd

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1) Hole - 6	0 lb
2) Hole - 5	0 lb
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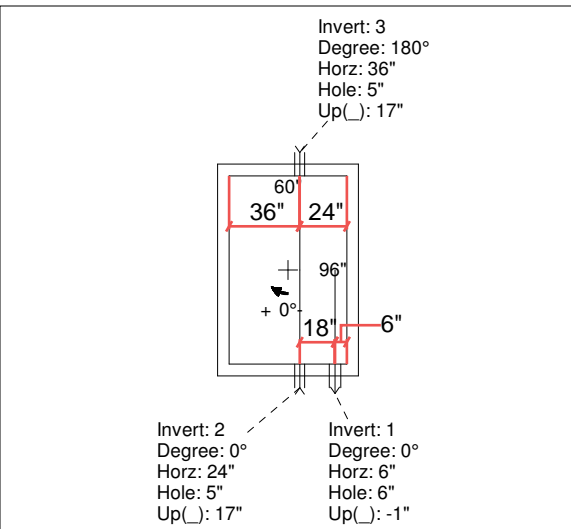
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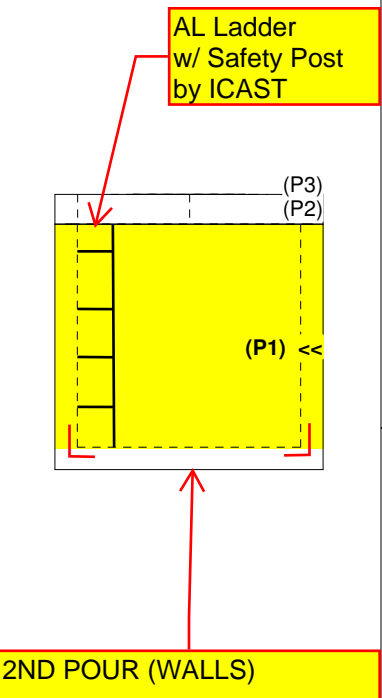
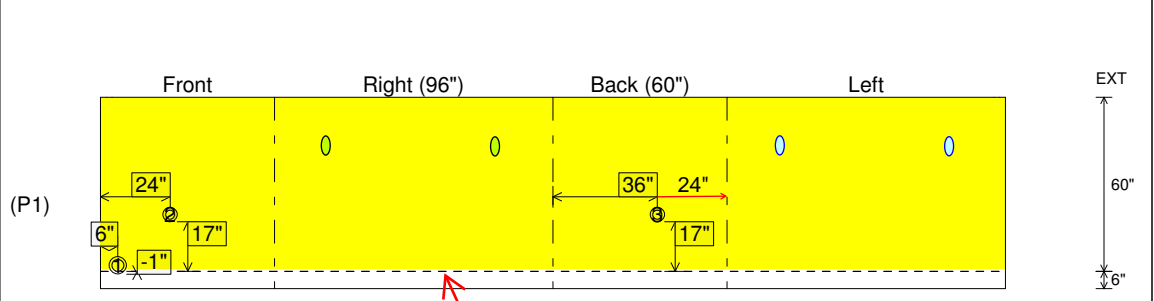
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INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Flat Seam Dn: n/a	Wall Thickness: 6" Floor Height: 6"	Height (Int): 60" Height (Ext): 66"	Weight (Net): 14031 lb Volume (Net): 3.58cu.yd
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