Job Name: 26-1645 East Bank Regional ARV's
Job Location: Nashville, TN
Contractor: Garney Companies, Inc.

PC: J. Jarvis
TECH: S. Felletter
Plant: Beaver Dam

Structure ID: **ARV 8+22**
Spec: Sanitary-Xypex
Type: Air Release Vault w/ XYPEX (6"W / Open Bottom)
Size: 48" x 96"

Rim: 419.625' Sump: 4" Floor (Bot): 412.427'
Invert: 412.76' Floor (Top): 412.427' Overall Height: 7.167'
Rim to Invert: 6.865' Floor Height: 0" Slack: 0.38"

Structure Notes: .
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 5,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. CASTING BY ICAST (JBS 2220 F/G).
5. TOP SLAB TO HAVE A FLAT TOP & FLOATED FINISH.
6. PE STAMPED DRAWINGS & CALC'S TO BE PROVIDED AFTER RECEIPT OF GENERAL DESIGN APPROVAL.

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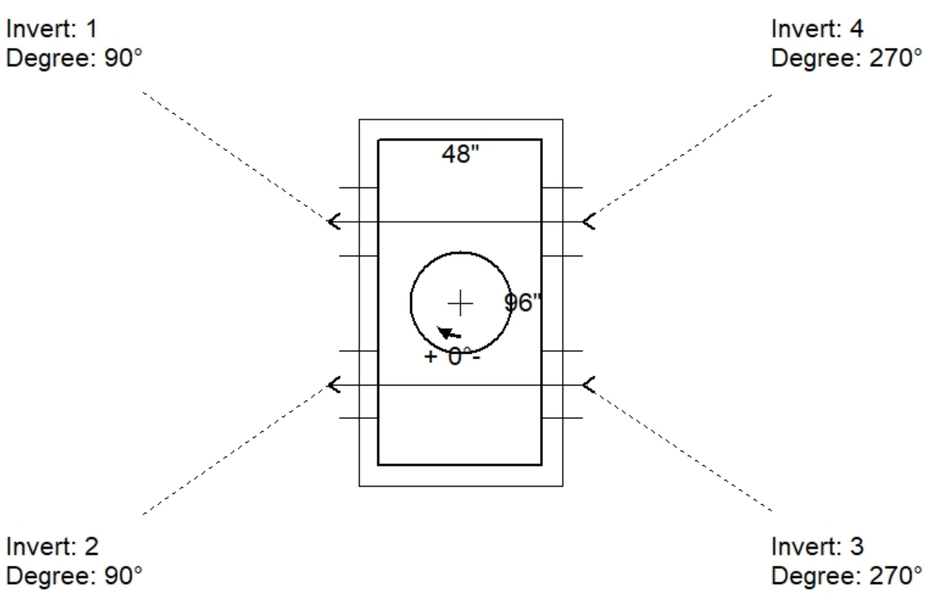
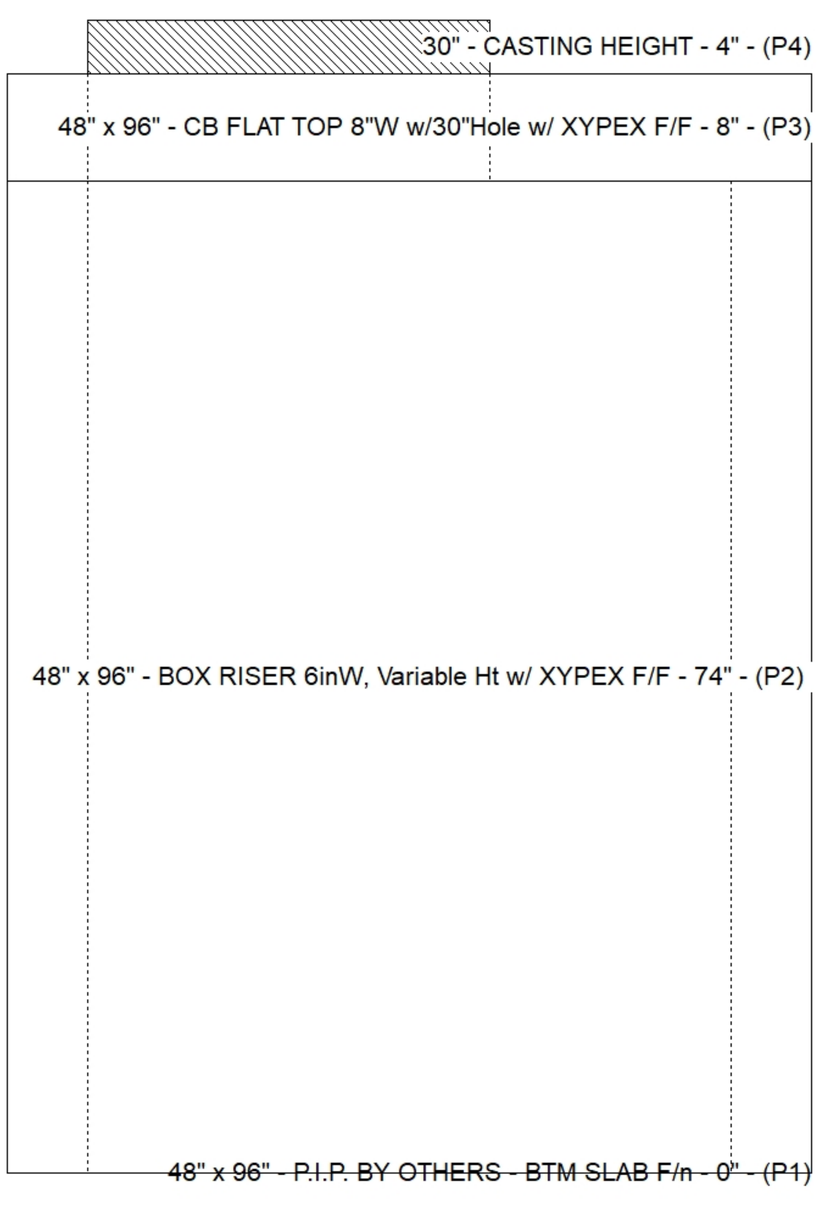
REINFORCING PER ASTM A615 (GRADE 60).
- TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
- WALLS (As .31) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

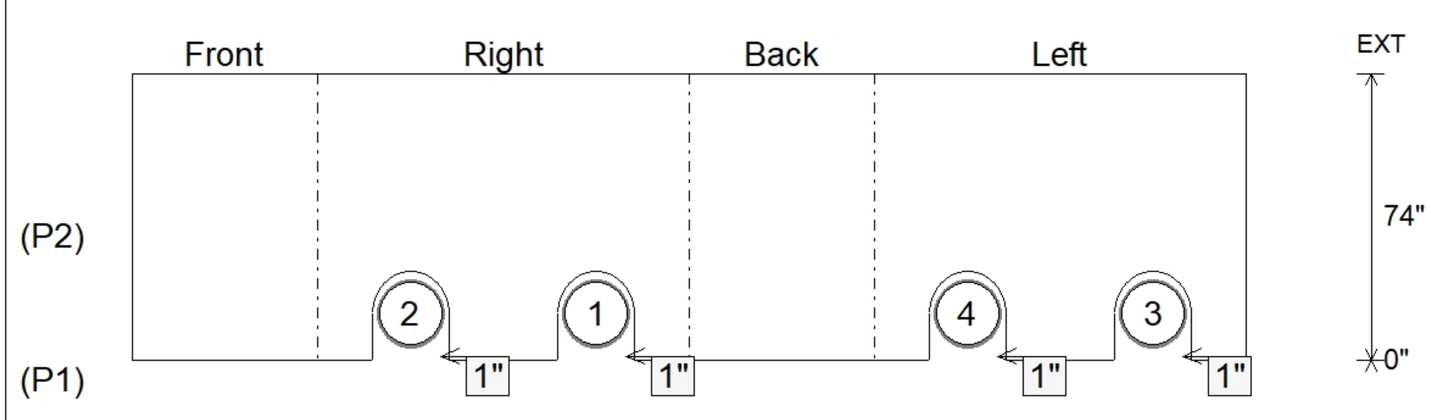
P4) 30" - CASTING HEIGHT - 4"	0 lb
P3) 48" x 96" - CB FLAT TOP 8"W w/30"Hole w/ XYPEX F/F - 8"	3875 lb
P2) 48" x 96" - BOX RISER 6inW, Variable Ht w/ XYPEX F/F - 74"	10793 lb
P1) 48" x 96" - P.I.P. BY OTHERS - BTM SLAB F/n - 0"	0 lb
1) CASTING - JBS 2220 F/G	250 lb
2) 48" x 96" - Conseal CS-102 1.00" (Double)	0 lb
4) DOGHOUSE - 20"x22"	0 lb
Structure Total:	14918 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (_)	Ref
Rim	419.625'							
Reducer								
Invert 1	412.76'	90°	16" DI	17.5"	20" x 22"	DOGHOUSE 20"x22"	1"	P2
Invert 2	412.76'	90°	16" DI	17.5"	20" x 22"	DOGHOUSE 20"x22"	1"	P2
Invert 3	412.76'	270°	16" DI	17.5"	20" x 22"	DOGHOUSE 20"x22"	1"	P2
Invert 4	412.76'	270°	16" DI	17.5"	20" x 22"	DOGHOUSE 20"x22"	1"	P2
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
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SUBMITTAL
APPROVED BY: