

Job Name: 24-3511 Coles Ferry Section 18 & 19
Job Location: Lebanon, TN
Contractor: Covenant Constructors, LLC

PC: A. Chambers
TECH: J. Horsley
Plant: Beaver Dam, KY



Structure ID: CB13 - add 48in HT Riser

Spec: Storm
Type: BX 6inW, 6inF
Size: 28" x 96"

Rim: 570.34'
Invert: 563.95'
Rim to Invert: 6.39'

Sump: 2.256"
Floor (Top): 563.762'
Floor Height: 6"

Floor (Bot): 563.262'
Overall Height: 7'
Slack: 0.936"

Structure Notes:

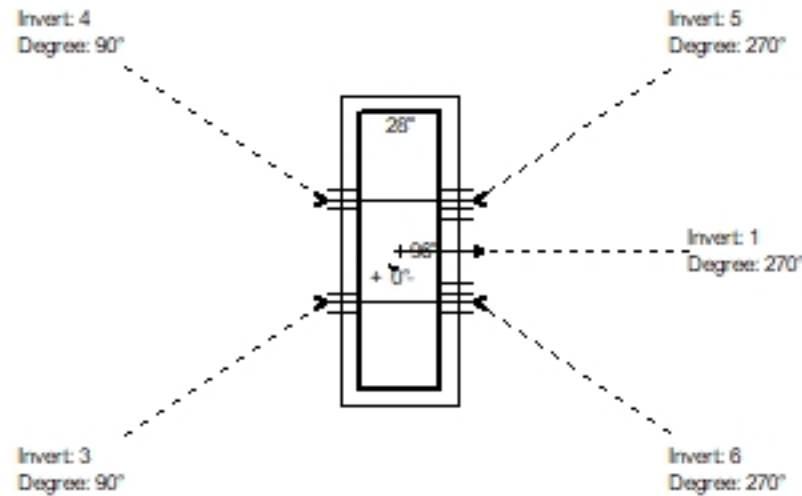
1. PER ASTM C913 SPECIFICATIONS.
 2. CONCRETE = 4,000 PSI AT 28 DAYS.
 3. NO INVERT CHANNEL.
 4. CASTING BY ICAST (3ea. JBS 3101 F/G/H)
- REINFORCING PER ASTM A615 (GRADE 60).
- WALLS (As .12) #5 BARS AT 12" C.C.E.W.
- FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

- P3) 28" x 96" - CASTING HEIGHT - 6"
P2) 28" x 96" - BOX RISER 6inW, Variable Ht F/F - 48"
P1) 28" x 96" - BOX BASE 6inW, 6inF, Variable Ht F/n - 24"
1) CASTING - JBS 3101 Triple Set (F/G/H)
1) Hole - 22
4) LINTEL BAR SLOT n/n - 7"x1"

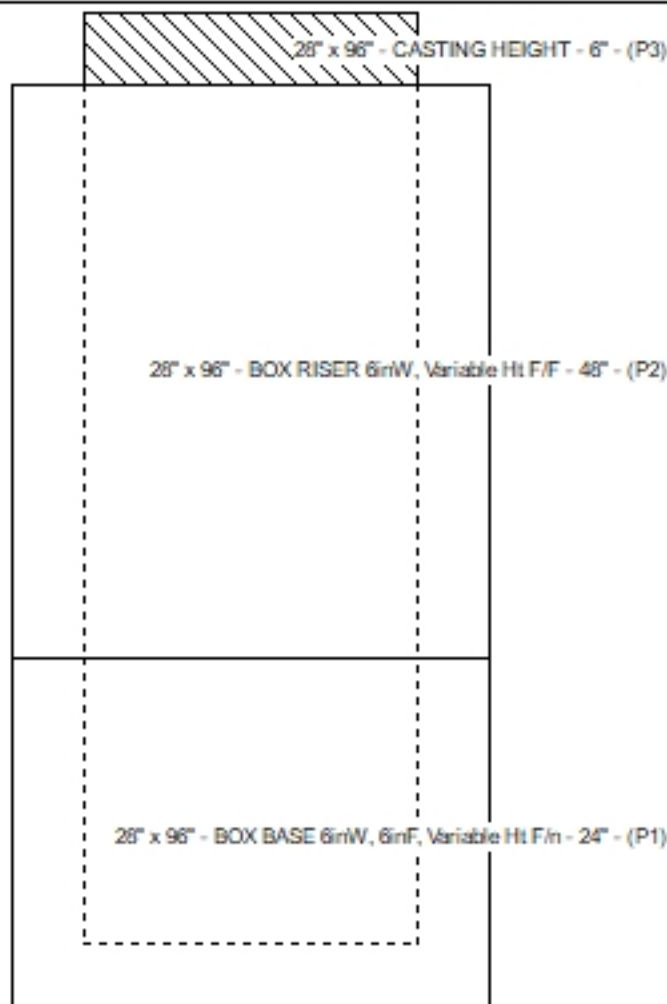
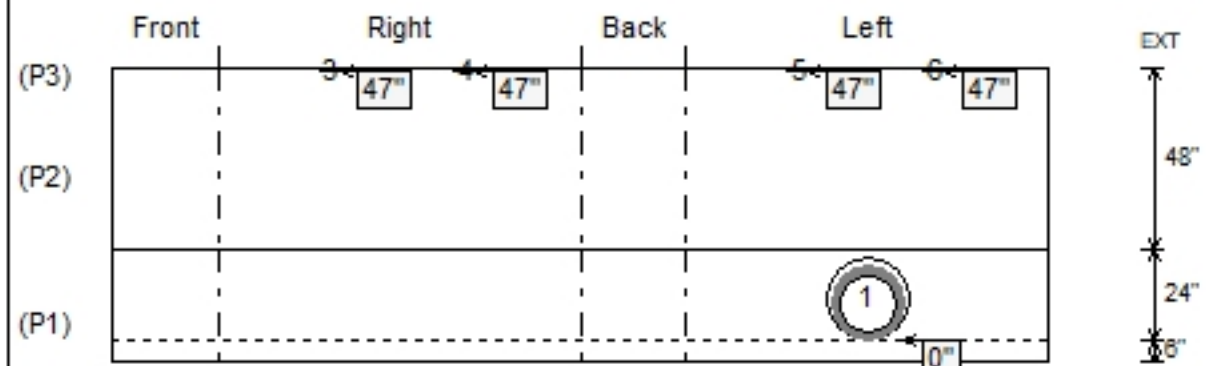
0 lb
6559 lb
5270 lb
1857 lb
0 lb
0 lb

Structure Total: 13687 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up ()	Ref
Rim	570.34'							
Reducer								
Invert 1	563.95'	270°	15" RCP B WALL	19.5"	22"	Hole 22	0"	P1
Invert 2								
Invert 3	569.68'	90°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	47"	P2
Invert 4	569.68'	90°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	47"	P2
Invert 5	569.68'	270°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	47"	P2
Invert 6	569.68'	270°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	47"	P2
Invert 7								
Invert 8								

Cast (Int. Dim.) - Interior Dimensions



Submittal Drawing
5/12/2026 2:49:02 PM

SUBMITTAL
APPROVED BY: