

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

Rim: 570.34'  
 Invert: 567.95'  
 Rim to Invert: 2.39'

Sump: 2.256"  
 Floor (Top): 567.762'  
 Floor Height: 6"

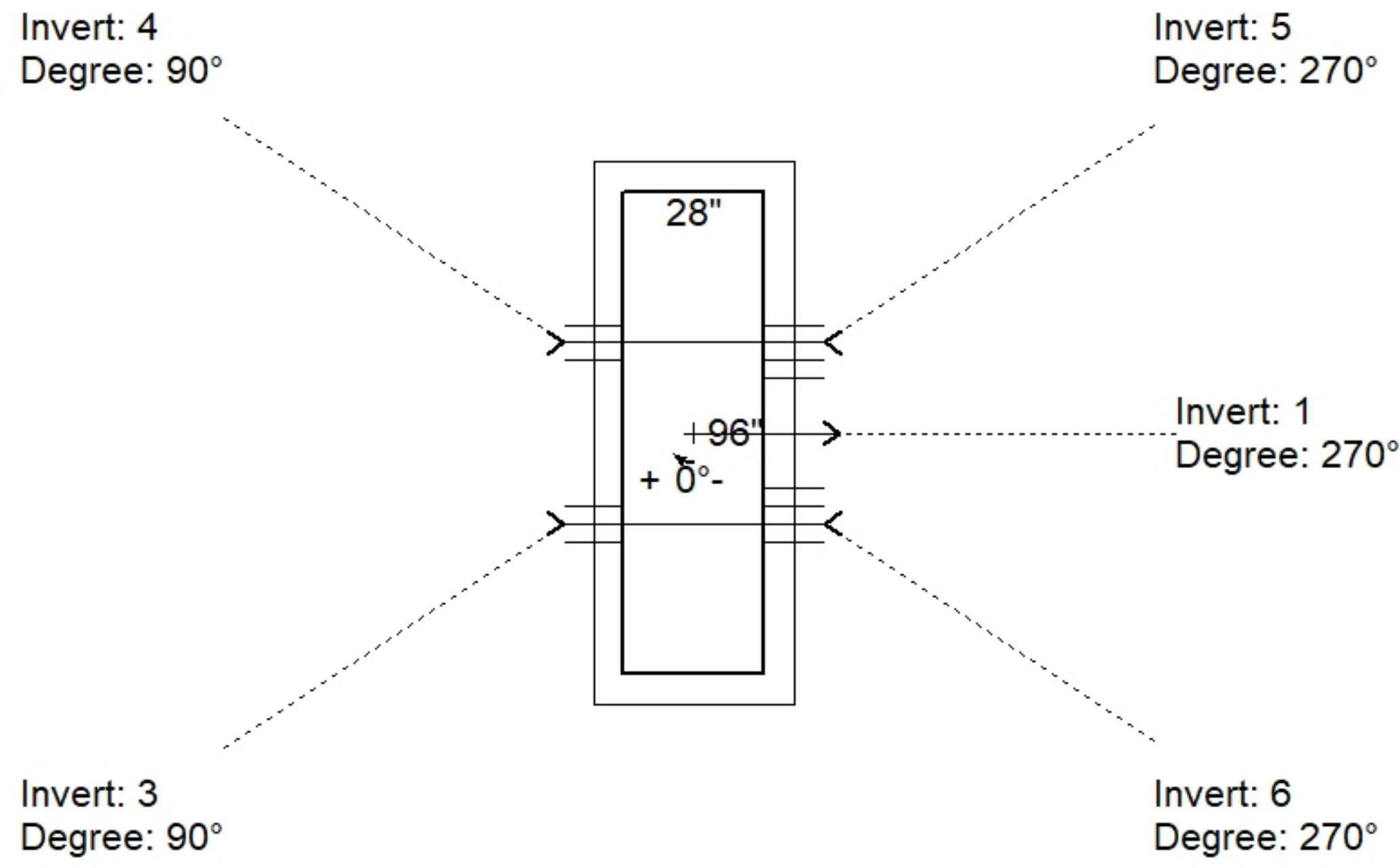
Floor (Bot): 567.262'  
 Overall Height: 3'  
 Slack: 0.936"

**Structure Notes:**

- PER ASTM C913 SPECIFICATIONS.
  - CONCRETE = 4,000 PSI AT 28 DAYS.
  - NO INVERT CHANNEL.
  - 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.

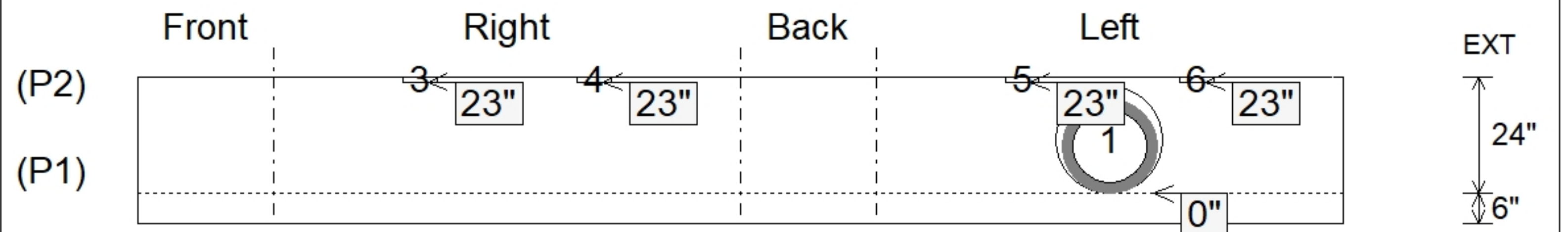
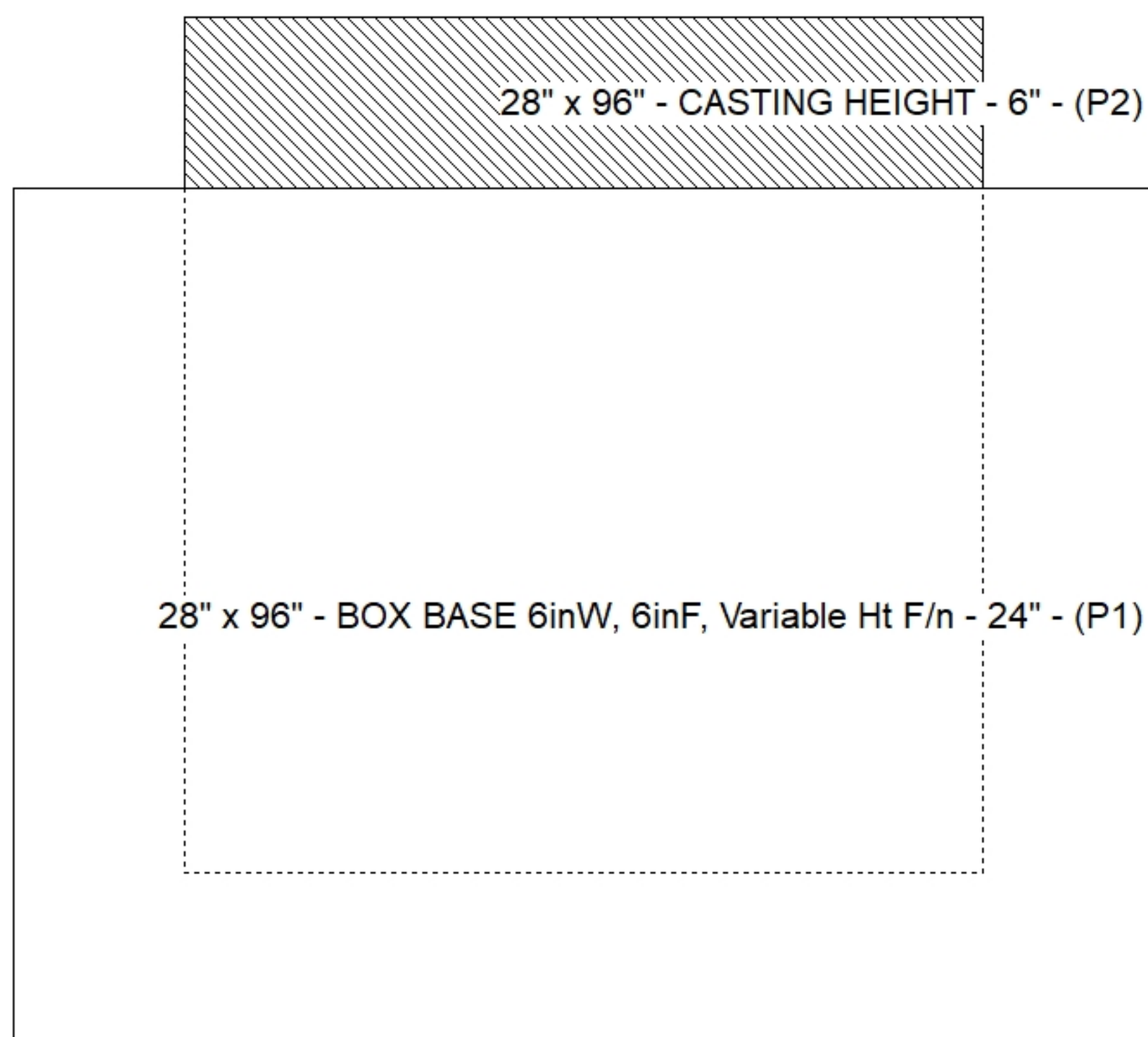
**STRUCTURE SUMMARY:**

P2) 28" x 96" - CASTING HEIGHT - 6"	0 lb
P1) 28" x 96" - BOX BASE 6inW, 6inF, Variable Ht F/n - 24"	5256 lb
1) CASTING - JBS 3101 Triple Set (F/G/H)	1857 lb
1) Hole - 22	0 lb
4) LINTEL BAR SLOT n/n - 7"x1"	0 lb
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Structure Total:	7113 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	570.34'							
Reducer								
Invert 1	567.95'	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"	23"	P1
Invert 4	569.68'	90°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	23"	P1
Invert 5	569.68'	270°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	23"	P1
Invert 6	569.68'	270°	7" x 1" LINTEL BAR SLOT	7" x 1"	7" x 1"	LINTEL BAR SLOT 7"x1"	23"	P1
Invert 7								
Invert 8								

**Cast (Int. Dim.) - Interior Dimensions**



Submittal Drawing  
 2/23/2026 4:38:30 PM

SUBMITTAL  
 APPROVED BY: