

Job Name: 24-4317 Sumner Co Regional Transmission Line C
Job Location: Gallatin, TN
Contractor: Endesol, Inc.

PC: J. Jarvis
 TECH: J. Coppage
 Plant: Beaver Dam



Structure ID: 10IN FLOW CONTROL VAULT

Spec: Storm-Pipe Centered
 Type: BX 6inW, 6inF
 Size: 72" x 96"

Rim: 909.75'
 Invert: 905.6'
 Rim to Invert: 4.15'

Sump: 28.16"
 Floor (Top): 903.253'
 Floor Height: 6"

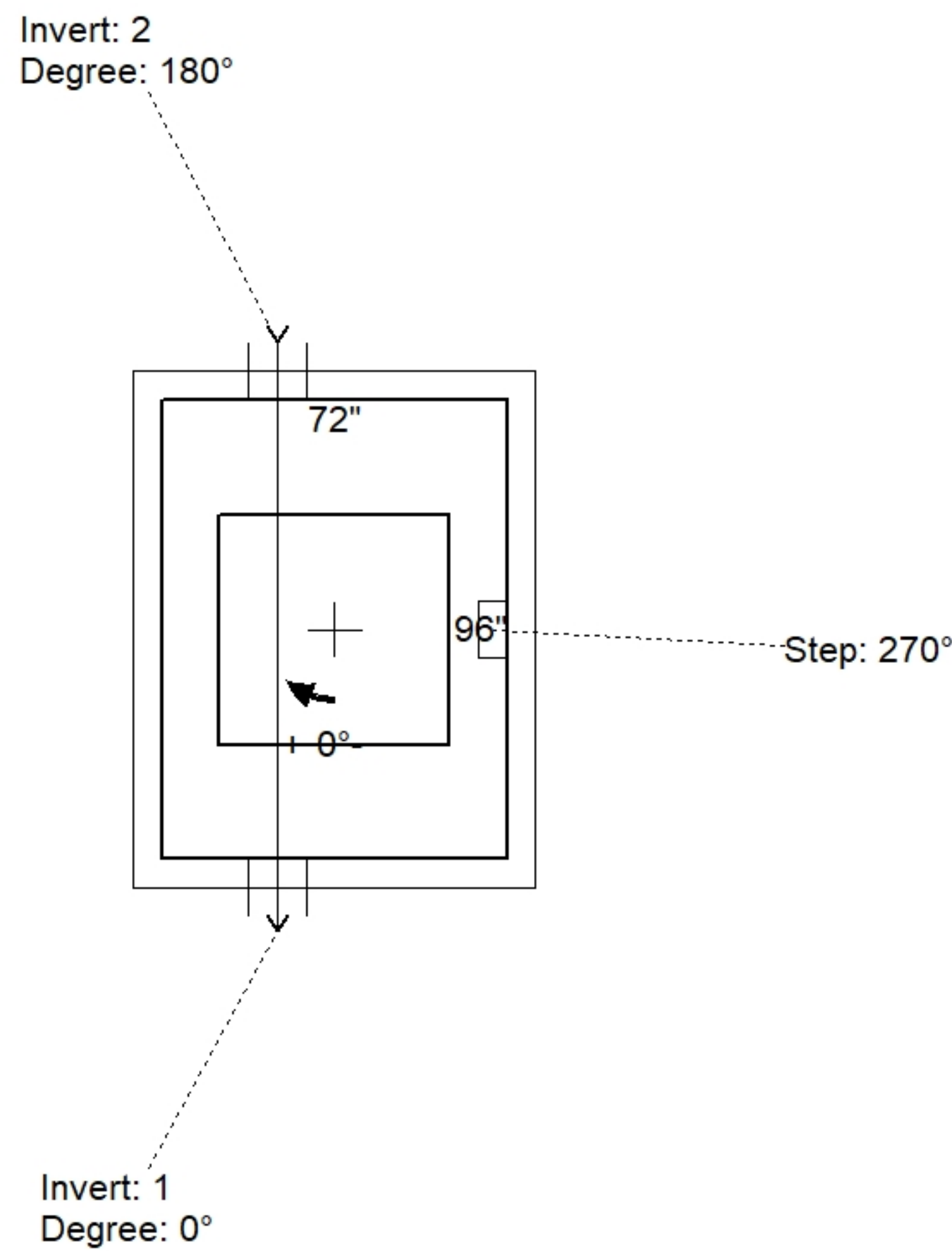
Floor (Bot): 902.753'
 Overall Height: 7'
 Slack: -0.04"

Structure Notes:

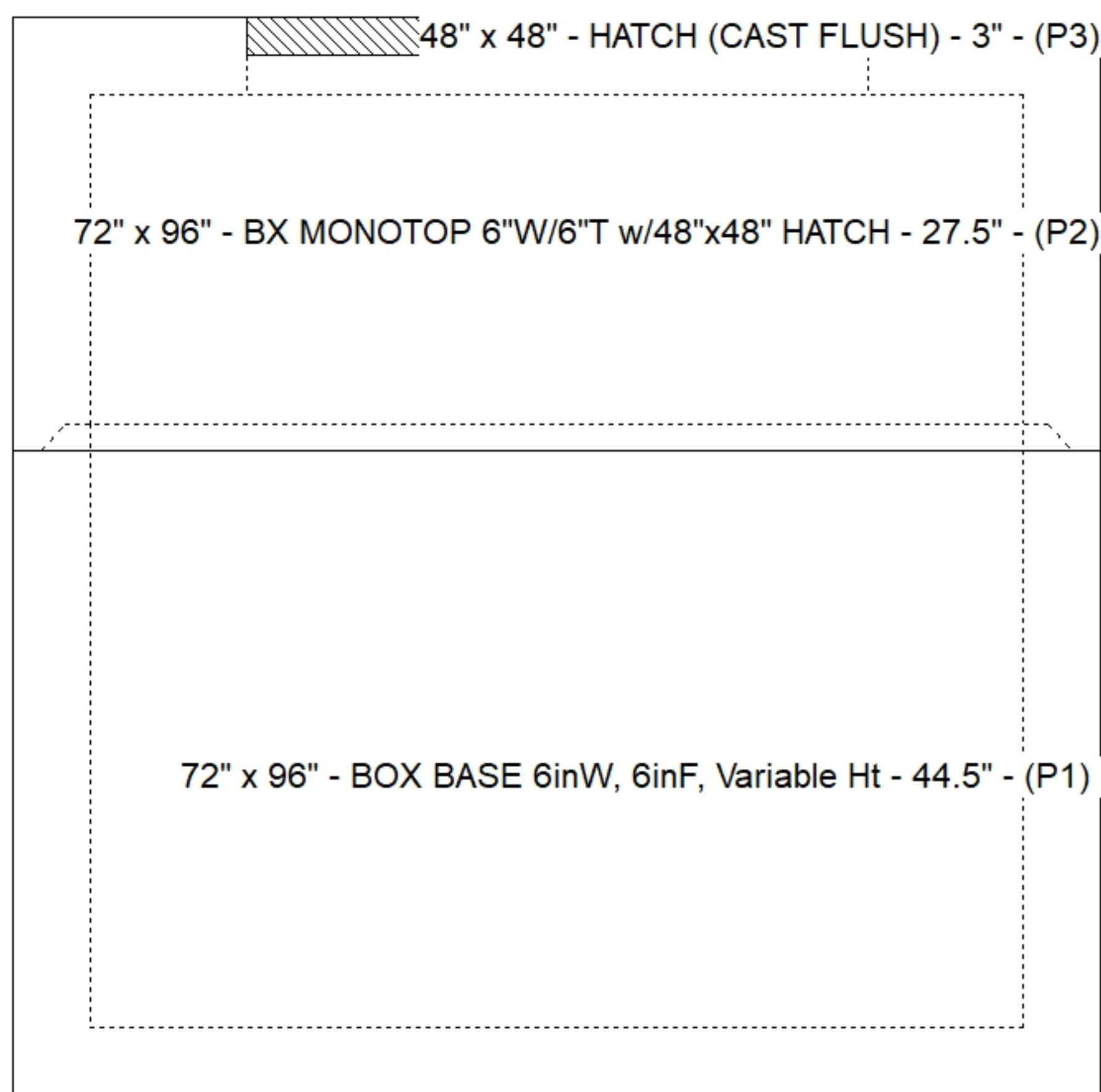
1. HALLIDAY W1S 48" X 48" HATCH BY ICAST.
2. PER ASTM C913 SPECIFICATIONS.
3. CONCRETE = 4,000 PSI AT 28 DAYS.
4. REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
 - WALLS (As .31) #5 BARS AT 8" C.C.E.W.
 - FLOOR (As .31) #5 BARS AT 8" C.C.E.W..

STRUCTURE SUMMARY:

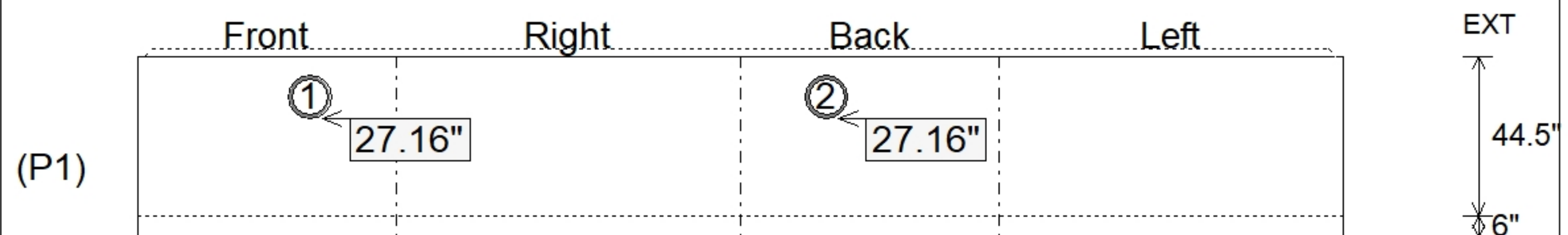
P3) 48" x 48" - HATCH (CAST FLUSH) - 3"	100 lb
P2) 72" x 96" - BX MONOTOP 6"W/6"T w/48"x48" HATCH - 27.5"	8392 lb
P1) 72" x 96" - BOX BASE 6inW, 6inF, Variable Ht - 44.5"	12519 lb
1) This Structure Includes a Cast-in Item	0 lb
1) SUMP DISH	0 lb
1) 72" x 96" - Conseal CS-102 1.00"	0 lb
1) 48" x 48" - Conseal CS-102 1.00"	0 lb
2) Hole - 12	0 lb
4) MH Step ML-10-TDS-NCR - 10"	0 lb
Structure Total:	21011 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	909.75'							
Reducer								
Invert 1	905.6'	0°	10" DI	11.1"	12"	Hole 12	27.16"	P1
Invert 2	905.6'	180°	10" DI	11.1"	12"	Hole 12	27.16"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
 12/10/2025 2:47:55 PM

SUBMITTAL
 APPROVED BY: