

Job Name: 26-1785 - Horse Cave Vault
Job Location: Horse Cave, KY
Contractor: Stewart Richey

PC: T. Lewis
 TECH: Jared - F
 Plant: 100



Structure ID: **QL1**

Spec: Vaults
 Type: Meter Vault 8inW, 8inF
 Size: 72" x 96"

Rim: 5.667'
 Invert: 1'
 Rim to Invert: 4.667'

Sump: 12"
 Floor (Top): 0'
 Floor Height: 8"

Floor (Bot): -0.667'
 Overall Height: 6.333'
 Slack: 0.004"

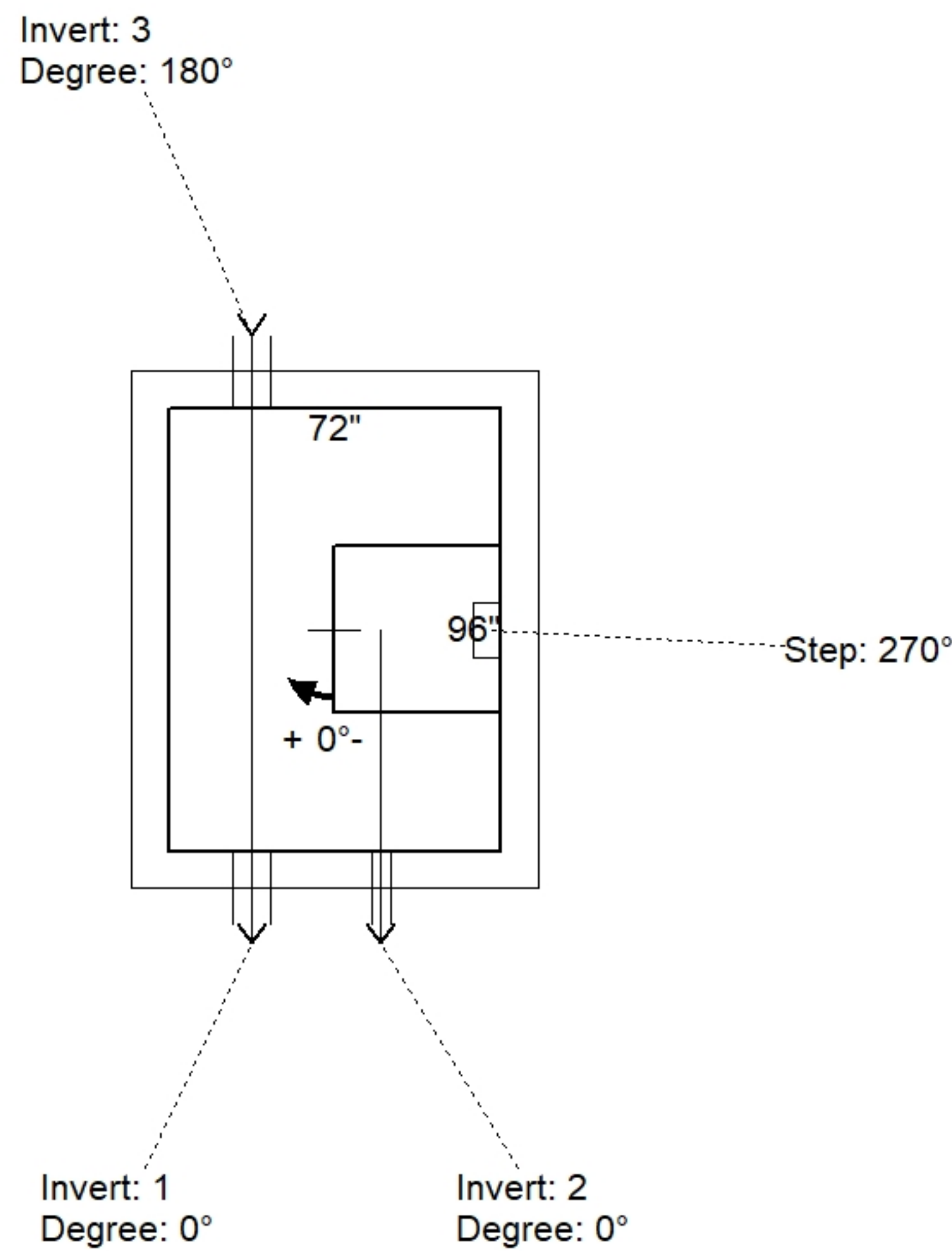
Structure Notes:

- PER ASTM C913 SPECIFICATIONS.
- CONCRETE = 4,000 PSI AT 28 DAYS.
- HATCH BY ICAST (HALLIDAY S1R 36"x36")

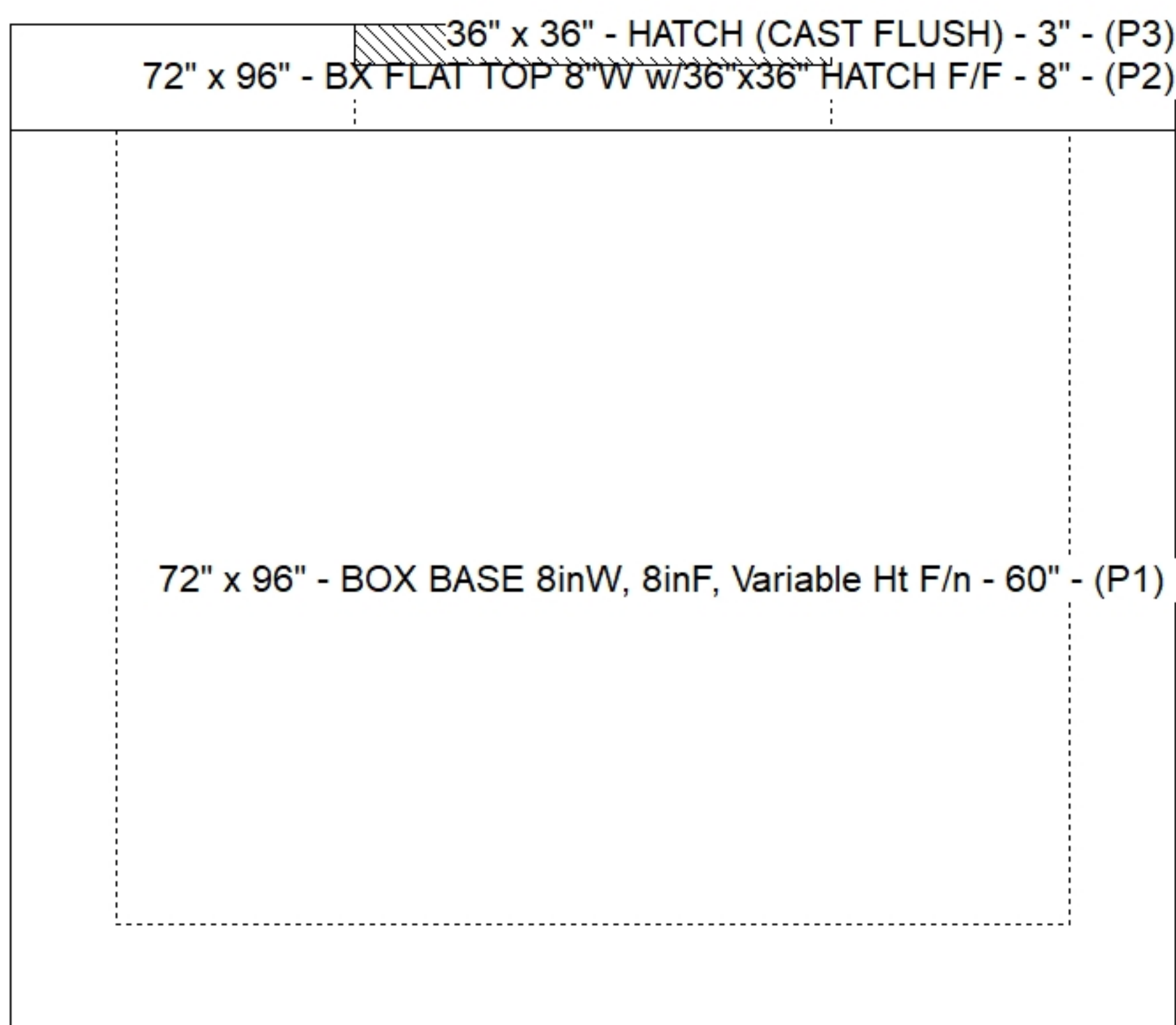
REINFORCING PER ASTM A615 (GRADE 60).
 - TOP SLAB #5 BARS AT 6" C.C.E.W.
 - WALLS #5 BARS AT 12" C.C.E.W.
 - FLOOR #5 BARS AT 12" C.C.E.W.

STRUCTURE SUMMARY:

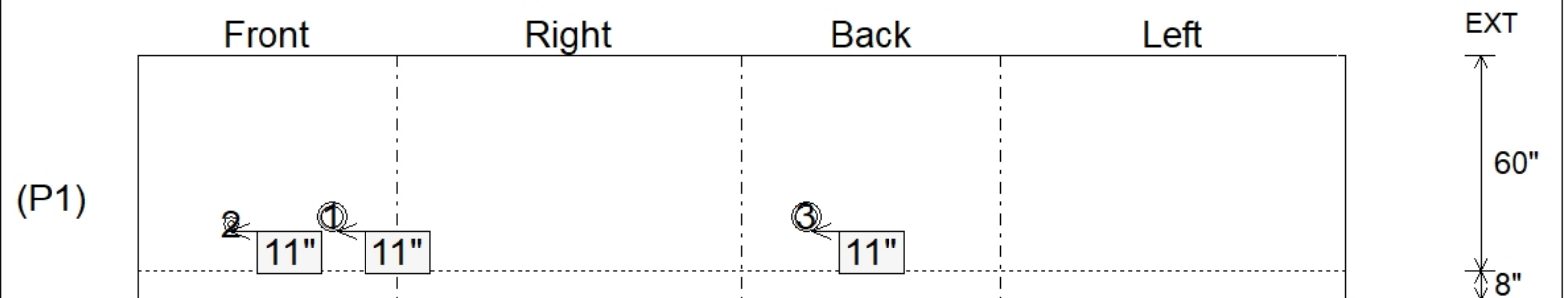
P3) 36" x 36" - HATCH (CAST FLUSH) - 3"	100 lb
P2) 72" x 96" - BX FLAT TOP 8"W w/36"x36" HATCH F/F - 8"	5746 lb
P1) 72" x 96" - BOX BASE 8inW, 8inF, Variable Ht F/n - 60"	21363 lb
1) HATCH (Alum.) - HALLIDAY S1R 36"x36"	65 lb
1) 72" x 96" - Conseal CS-102 1.00" (Double)	0 lb
1) 36" x 36" - Conseal CS-102 1.00" (Double)	0 lb
2) Hole - 8	0 lb
1) Hole - 4	0 lb
Structure Total:	27274 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	5.667'							
Reducer								
Invert 1	1'	0°	6" PVC SDR35	6.25"	8"	Hole 8	11"	P1
Invert 2	1'	0°	2" PVC SDR35	2.25"	4"	Hole 4	11"	P1
Invert 3	1'	180°	6" PVC SDR35	6.25"	8"	Hole 8	11"	P1
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Cast (Int. Dim.) - Interior Dimensions



Submittal Drawing
 4/14/2026 8:42:13 AM

SUBMITTAL
 APPROVED BY: