

Job Name: 25-4272B Chestnut Street Utility Rehab
Job Location: Evansville, IN
Contractor: Bowen Engineering Corporation

PC: A. Chambers
 TECH: J. Coppage
 Plant: Beaver Dam



Structure ID: 1015

Spec: Storm
 Type: BX 10inW, 12inF w/ Xypex Bio-San C500
 Size: 96" x 96"

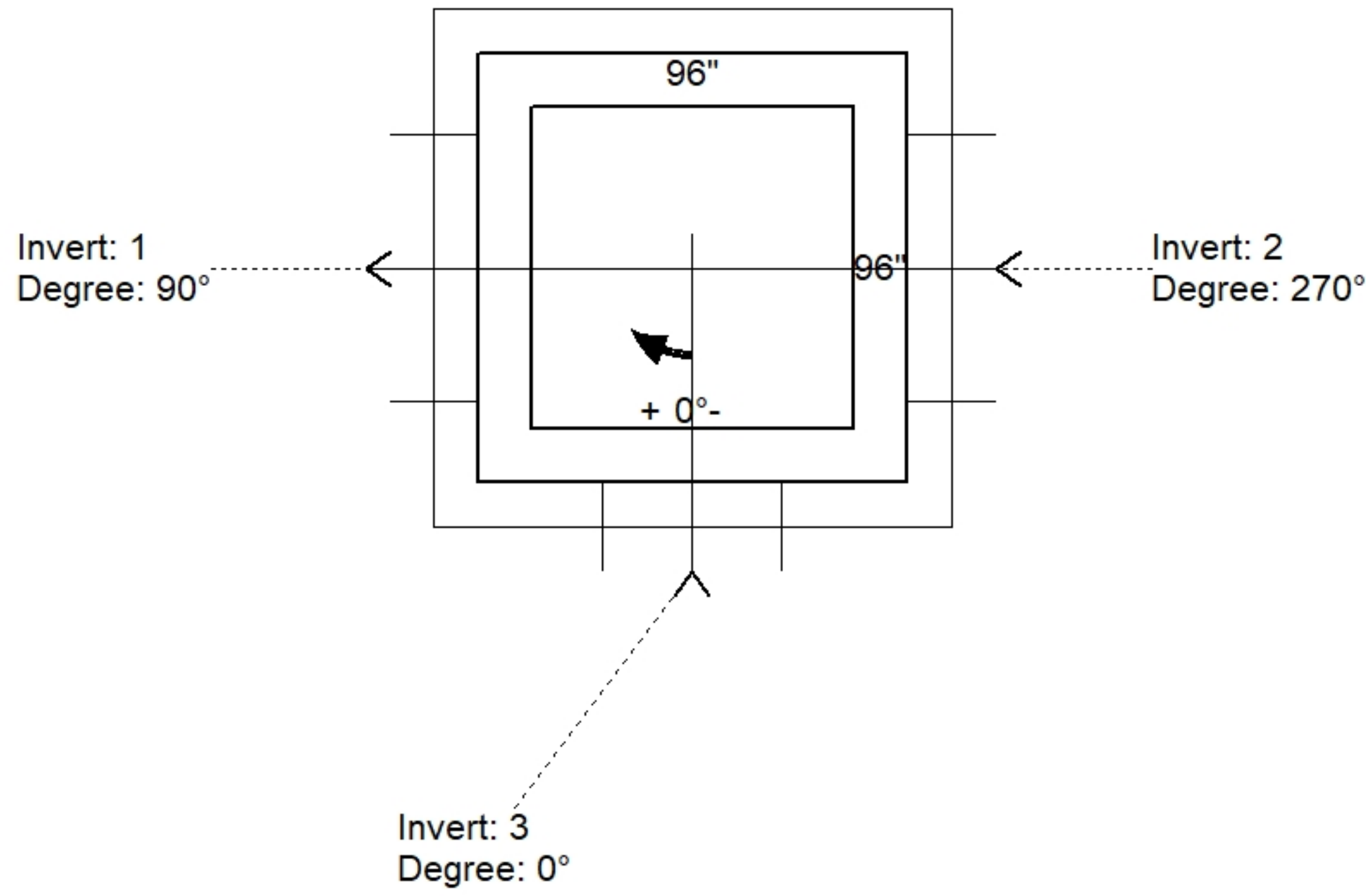
Rim: 379.5' Sump: 1.15" Floor (Bot): 351.824'
 Invert: 352.92' Floor (Top): 352.824' Overall Height: 27.667'
 Rim to Invert: 26.58' Floor Height: 12" Slack: 0.11"

Structure Notes:

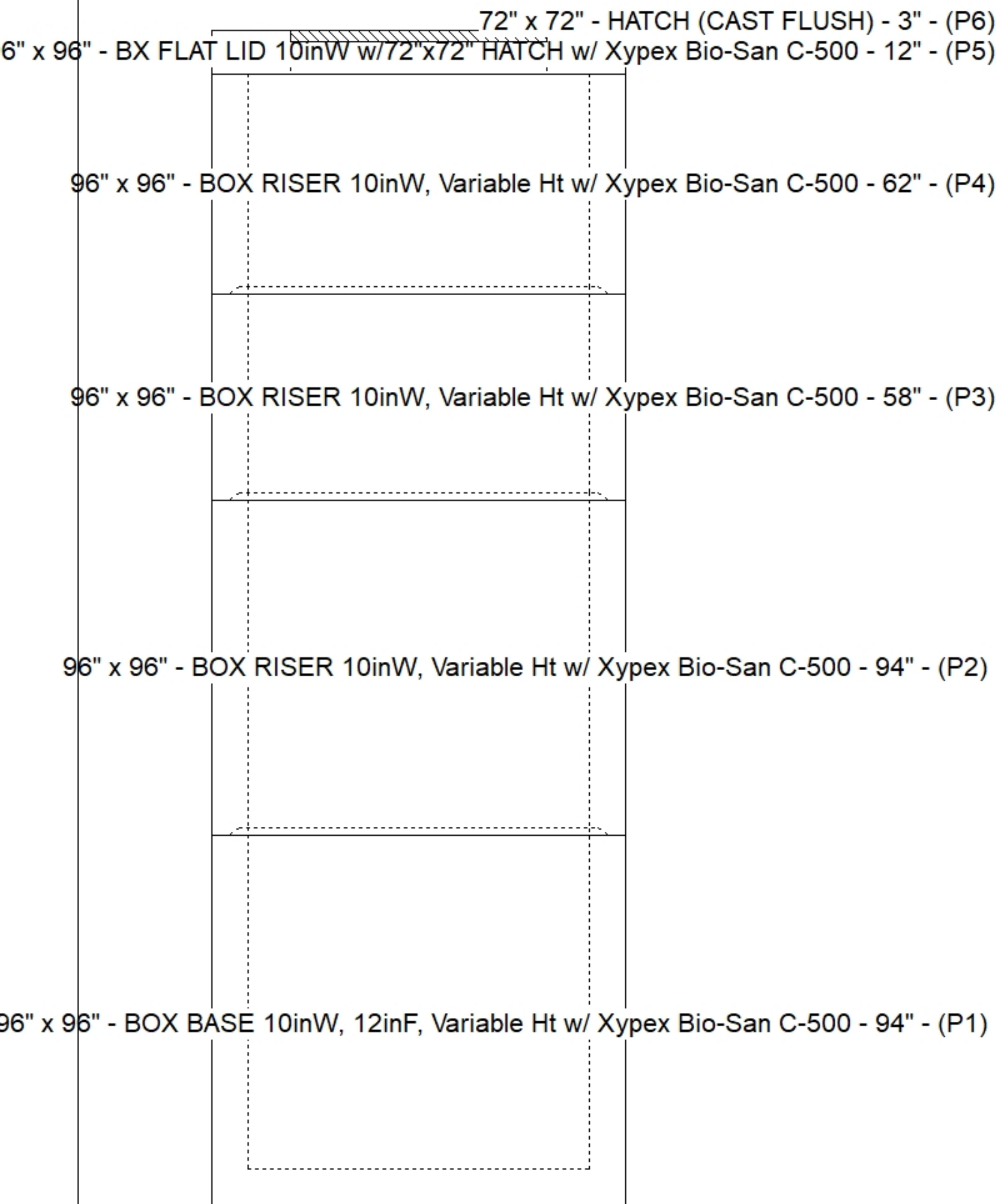
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,500 PSI AT 28 DAYS.
3. HALLIDAY 72" X 72" H2C HATCH BY ICAST.
4. HATCH TO BE CAST INTO THE TOP SLAB.
5. REINFORCING PER ASTM A615 (GRADE 60).
 TOP SLAB - #6 @ 8" O.C. E.W. TOP & BTM MAT.
 WALLS/FLOOR - #5 @8" O.C. E.W. DBL MAT.
 ADDITIONAL REINFORCEMENT IN CORNERS AND AROUND OPENINGS.

STRUCTURE SUMMARY:

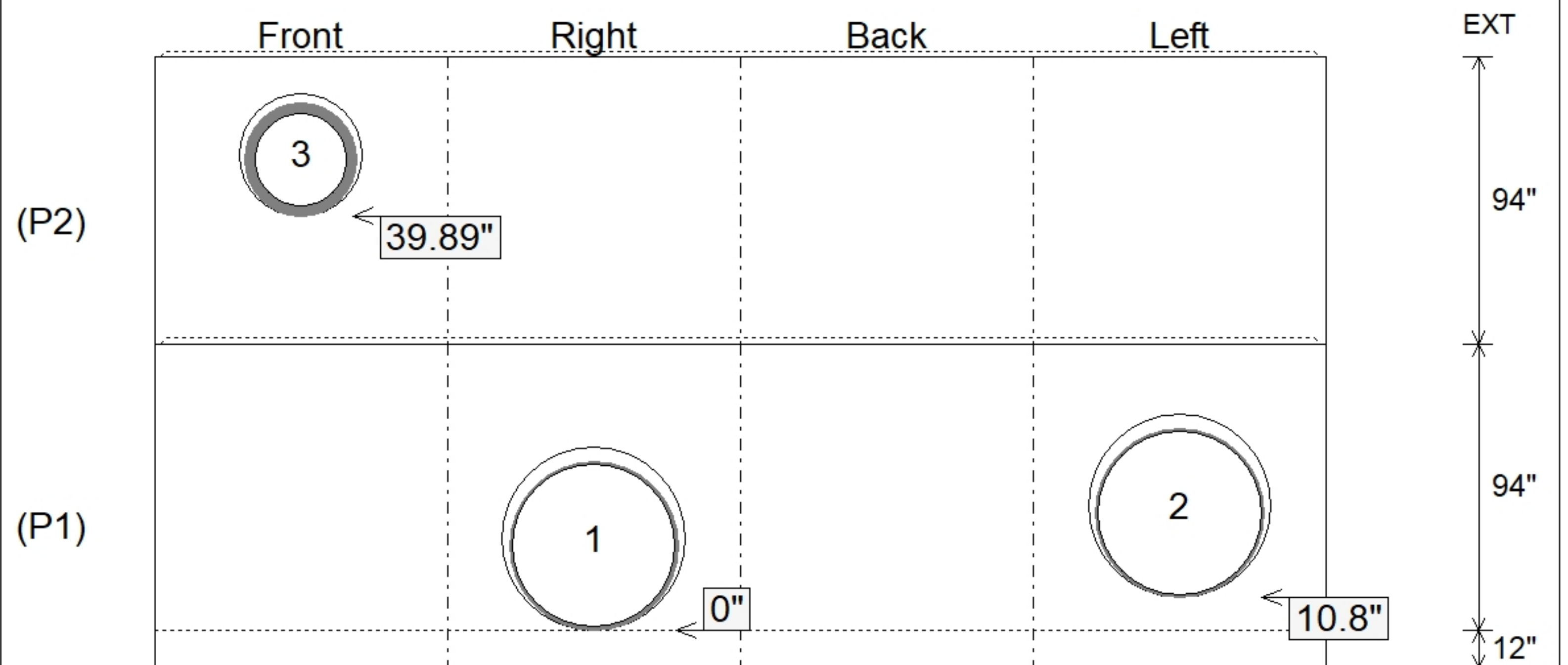
P6) 72" x 72" - HATCH (CAST FLUSH) - 3"	100 lb
P5) 96" x 96" - BX FLAT LID 10inW w/72"x72" HATCH w/ Xypex Bio-San C-500 - 12"	8329 lb
P4) 96" x 96" - BOX RISER 10inW, Variable Ht w/ Xypex Bio-San C-500 - 62"	22059 lb
P3) 96" x 96" - BOX RISER 10inW, Variable Ht w/ Xypex Bio-San C-500 - 58"	20636 lb
P2) 96" x 96" - BOX RISER 10inW, Variable Ht w/ Xypex Bio-San C-500 - 94"	32389 lb
P1) 96" x 96" - BOX BASE 10inW, 12inF, Variable Ht w/ Xypex Bio-San C-500 - 94"	42248 lb
1) This Structure Includes a Cast-in Item	0 lb
1) HATCH (Alum.) - HALLIDAY H2C 72"x72"	235 lb
4) 96" x 96" - Conseal CS-102 1.00"	0 lb
1) 72" x 72" - Conseal CS-102 1.00"	0 lb
2) Hole - 60	0 lb
1) Hole - 40	0 lb
Structure Total:	125997 lb



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	379.5'							
Reducer								
Invert 1	352.92'	90°	54" HDPE (DUROMAXX)	55.5"	60"	Hole 60	0"	P1
Invert 2	353.82'	270°	54" HDPE (DUROMAXX)	55.5"	60"	Hole 60	10.8"	P1
Invert 3	364.44'	0°	30" RCP B WALL	37"	40"	Hole 40	39.89"	P2
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



Default - Interior Dimensions



Submittal Drawing
 1/15/2026 8:03:32 AM

SUBMITTAL
 APPROVED BY: