

**Job Name: 25-3595 - 836163 AMEREN AUDRAIN CTG DUALFUEL**  
**Job Location: VANDALIA, MO**  
**Contractor: Contech Engineering Solutions**

PC: T. SEKUAL  
 TECH: J. COPPAGE  
 Plant: BEAVER DAM



Structure ID: 10-VCL30

Spec: Storm  
 Type: BX 6inW, 6inF (TRANS)  
 Size: 36" x 72"

Rim: 104.5'  
 Invert: 100.25'  
 Rim to Invert: 4.25'

Sump: 48"  
 Floor (Top): 96.25'  
 Floor Height: 6"

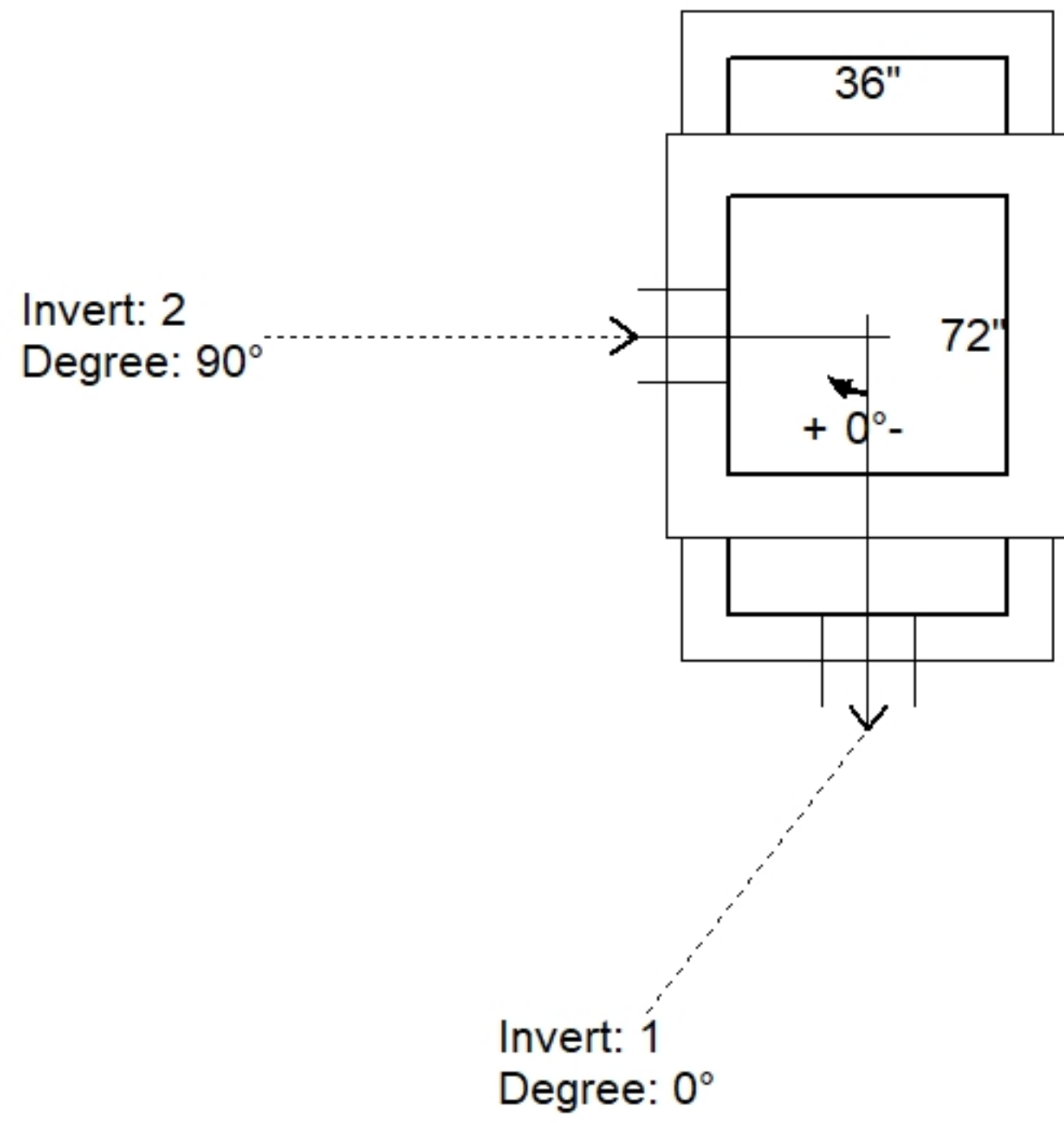
Floor (Bot): 95.75'  
 Overall Height: 8.75'  
 Slack: 0"

**Structure Notes:**

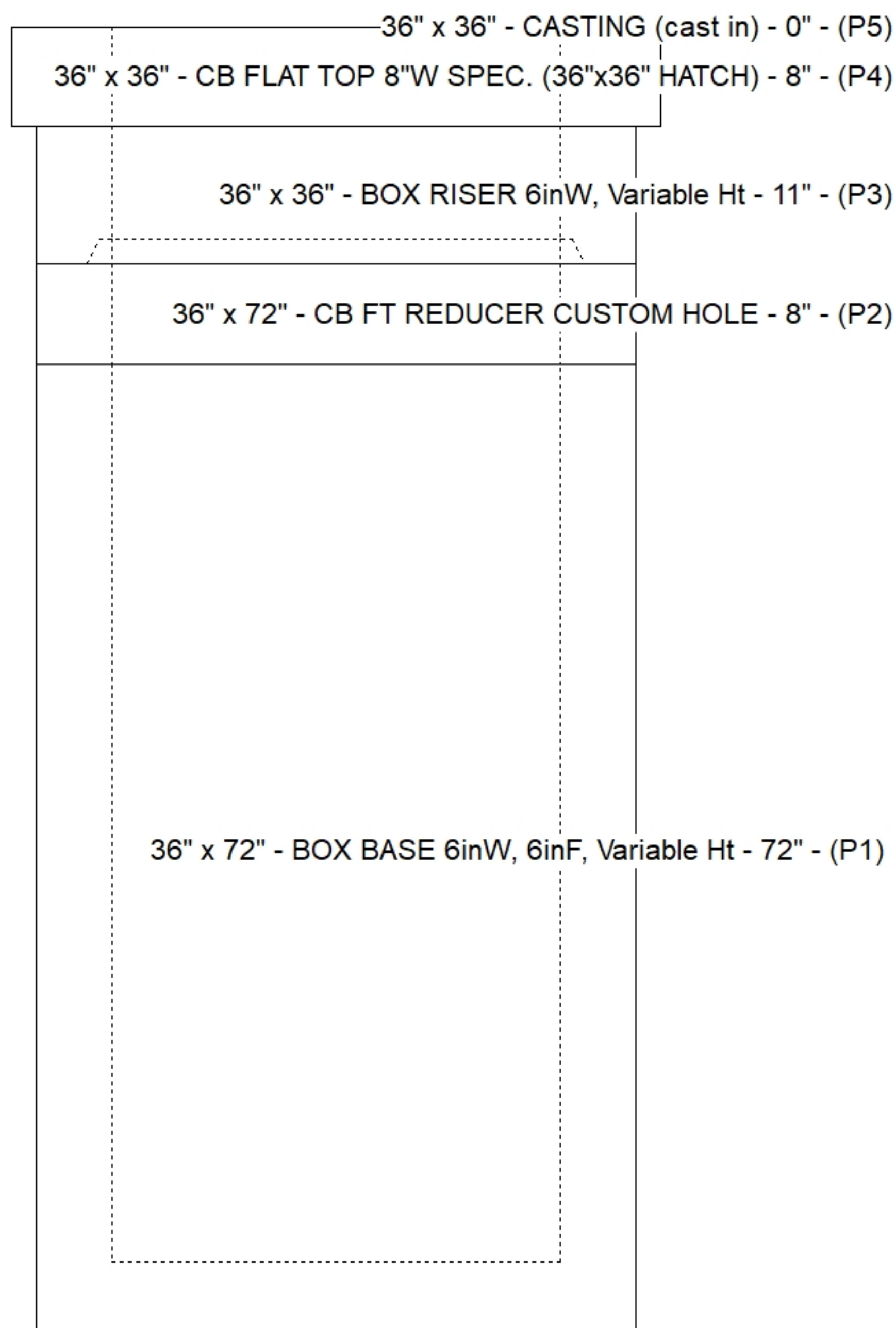
1. PER ASTM C913 SPECIFICATIONS.
2. CONCRETE = 4,000 PSI AT 28 DAYS.
3. NO INVERT CHANNEL.
4. REINFORCING PER ASTM A615 (GRADE 60).
  - TOP SLAB (As .62) #5 BARS AT 6" C.C.E.W.
  - WALLS (As .12) #5 BARS AT 12" C.C.E.W.
  - FLOOR (As .12) #5 BARS AT 12" C.C.E.W.

**STRUCTURE SUMMARY:**

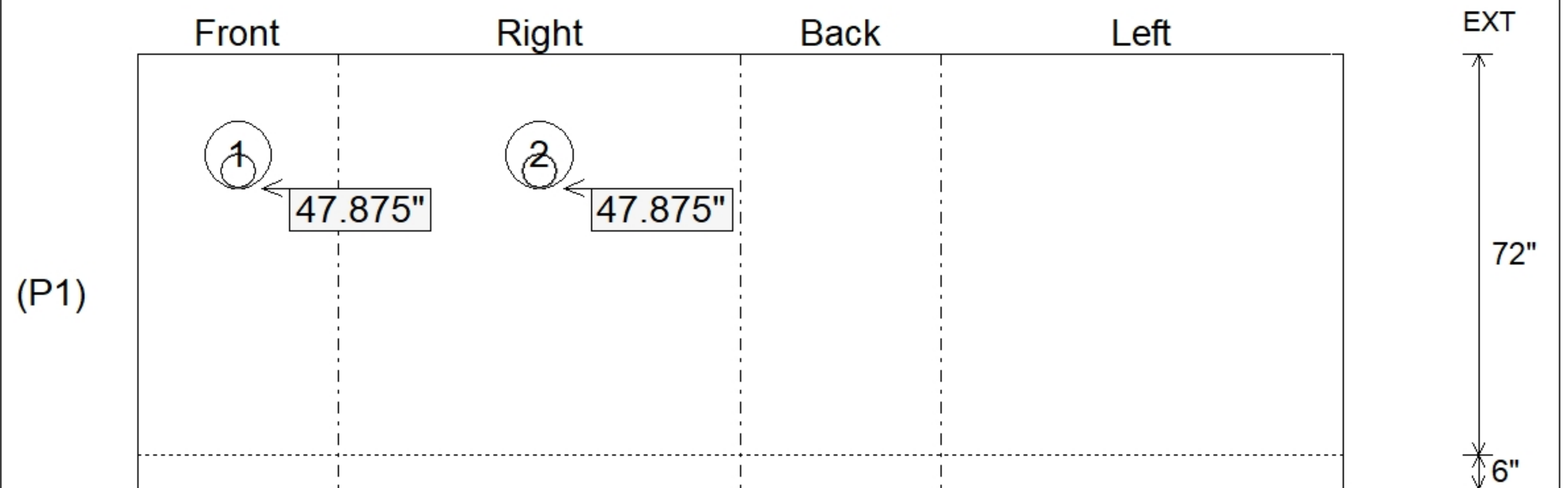
P5) 36" x 36" - CASTING (cast in) - 0"	0 lb
P4) 36" x 36" - CB FLAT TOP 8"W SPEC. (36"x36" HATCH) - 8"	979 lb
P3) 36" x 36" - BOX RISER 6inW, Variable Ht - 11"	930 lb
P2) 36" x 72" - CB FT REDUCER CUSTOM HOLE - 8"	1899 lb
P1) 36" x 72" - BOX BASE 6inW, 6inF, Variable Ht - 72"	10616 lb
1) CVSTENCILING	0 lb
1) PSASSEMBLY	0 lb
3) 36" x 36" - SGL 1"x14.5' Butyl	0 lb
2) Hole - 12	0 lb
<b>Structure Total:</b>	<b>14424 lb</b>



Position	Elev	Angle	Pipe	Pipe OD	Hole	Connector	Up (")	Ref
Rim	104.5'							
Reducer	102.25'							
Invert 1	100.25'	0°	6" PVC SDR35	6.25"	12"	Hole 12	47.875"	P1
Invert 2	100.25'	90°	6" PVC SDR35	6.25"	12"	Hole 12	47.875"	P1
Invert 3								
Invert 4								
Invert 5								
Invert 6								
Invert 7								
Invert 8								



**Default - Interior Dimensions**



Submittal Drawing  
 10/14/2025 11:04:03 AM

SUBMITTAL  
 APPROVED BY: