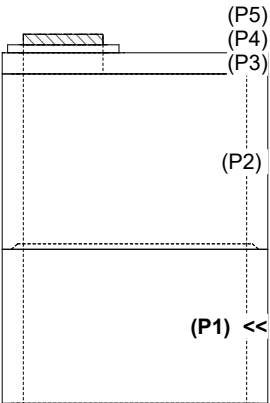
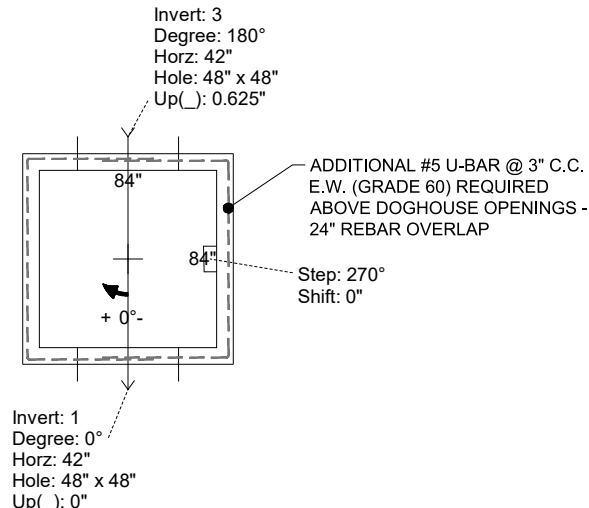


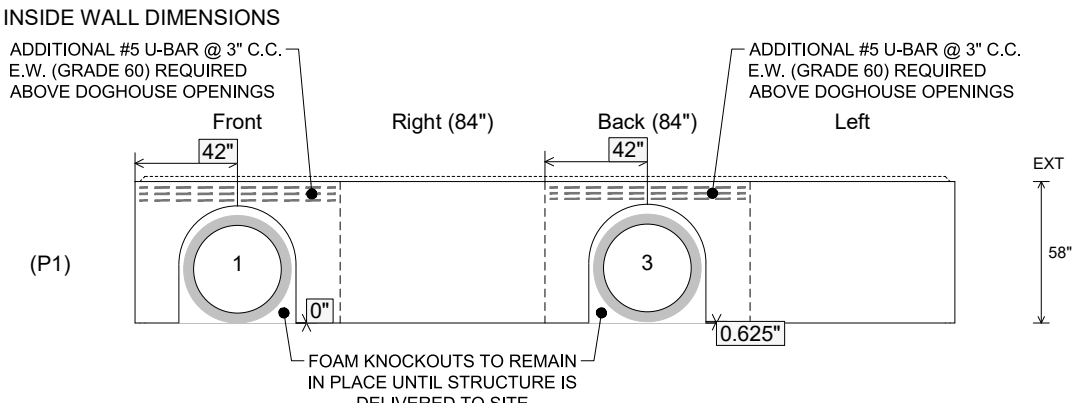
Job Name: 25-2073 - Alcoa Outfall Job Location: Newburgh, IN Contractor: Bowen Engineering Corporation					Plant: 100 6/16/2026 2:36:21 PM		Tech: J. Horsley PC: A. Chambers			
Structure ID: MH 1										
P1 BX084084-08RVF					BOX RISER 8inW, Variable Ht FB T/F					
P5) 30" x 30" - CASTING HEIGHT - 4" P4) 30" x 30" - GRADE RING F/F - 3" P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8" P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 66" P1) 84" x 84" - BOX RISER 8inW, Variable Ht FB T/F - 58" 1) CASTING - HOE 468 F/G 2) 84" x 84" - Conseal CS-102 1.00" 1) 30" x 30" - Conseal CS-102 1.00" 2) DOGHOUSE - 48"x48" 1) SQ. Hole n/n - 72"x42" 11) MH Step ML-10-TDS-NCR - 10"					0 lb 218 lb 6109 lb 14274 lb 11548 lb 489 lb 0 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 32637 lb		Structure Notes: 1. PER ASTM C-913 SPECIFICATIONS 2. CONCRETE: 4,500 PSI AT 28 DAYS 3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP) - ADDITIONAL #5 U-BAR @ 3" C.C. E.W. (GRADE 60) REQUIRED ABOVE DOGHOUSE OPENINGS 4. STEPS AT 270 DEGREES 5. HOE 468 FRAME & GRATE SUPPLIED BY ICAST 6. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 90° & 270° WALLS, 16" FROM TOP OF WALLS 7. FOAM KNOCKOUTS ARE TO REMAIN IN PLACE UNTIL STRUCTURE IS DELIVERED TO SITE			
Rim: 394.26' Rim to Invert: 11.28' Slack: 0.36" Sump: 4" Step Position: 270°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	382.98'	0°	50"	36" RCP B WALL	44"	DOGHOUSE 48"x48"	48" x 48"	48"	0"	0"
Invert 2										
Invert 3	383.03'	180°	50"	36" RCP B WALL	44"	DOGHOUSE 48"x48"	48" x 48"	48"	0.625"	0"
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										



RIGHT-SIDE UP VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: Flat	Wall Thickness: 8" Floor Height: 0"	Height (Int): 58" Height (Ext): 58"	Weight (Net): 11548 lb Volume (Net): 2.95cu.yd
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