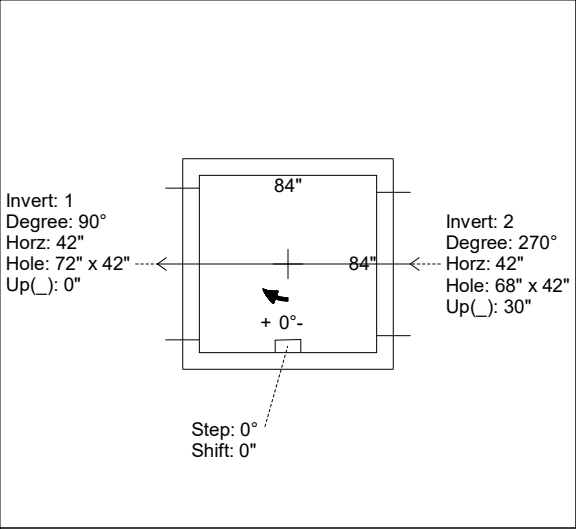
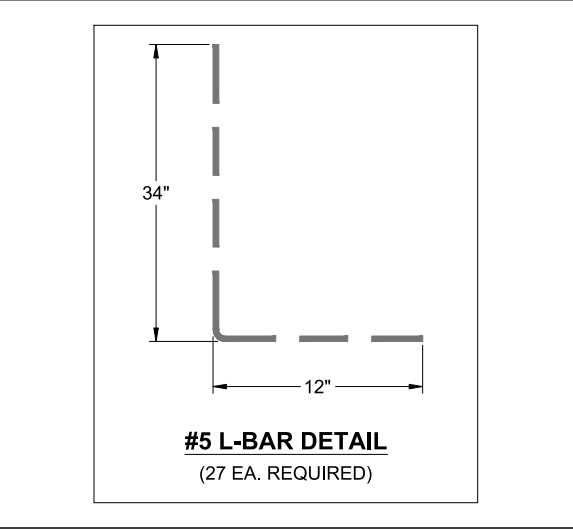


Job Name: 25-2073 - Alcoa Outfall Job Location: Newburgh, IN Contractor: Bowen Engineering Corporation				Plant: 100 6/16/2026 2:36:23 PM		Tech: J. Horsley PC: A. Chambers				
Structure ID: MH 2										
P1 BX8484-08WVFV				BOX BASE 8inW, 8inF, Variable Ht T/n						
P5) 30" x 30" - CASTING HEIGHT - 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 - 16" P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82" 1) CASTING - HOE 468 F/G 1) SECONDARY POUR 2) 84" x 84" - Conseal CS-102 1.00" 1) SQ. Hole n/n - 72"x42" 1) SQ. Hole n/n - 68"x42" 7) MH Step ML-10-TDS-NCR - 10"				0 lb 218 lb 6109 lb 3953 lb 23023 lb 489 lb 0 lb 0 lb 0 lb 0 lb 0 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) - WET STICK 24" X 34" #5 L-BAR @ 12" C.C. E.W. (GRADE 60) OUT OF FLOOR FOR WALL POUR TIE-IN (SEE L-BAR DETAIL) 4. STORM INVERT BY OTHERS 5. STEPS AT 0 DEGREES 6. HOE 468 FRAME & GRATE SUPPLIED BY ICAST				
FIRST POUR (FLOOR): 6,713 LBS SECOND POUR (WALLS): 16,310 LBS				Structure Total: 33791 lb						
Rim: 395.29' Rim to Invert: 8.79' Slack: 0.48" Sump: 8" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	386.5'	90°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 72"x42"	72" x 42"	72"	0"	0"
Invert 2	389'	270°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 68"x42"	68" x 42"	68"	30"	0"
Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

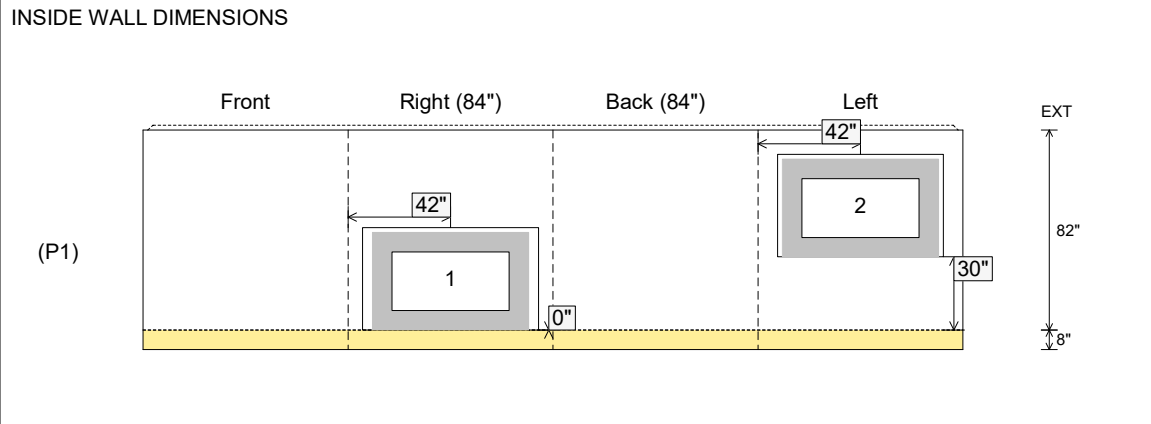
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



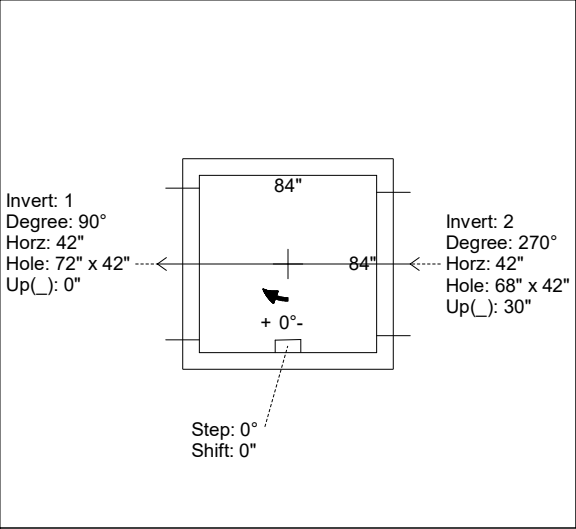
INSIDE WALL DIMENSIONS



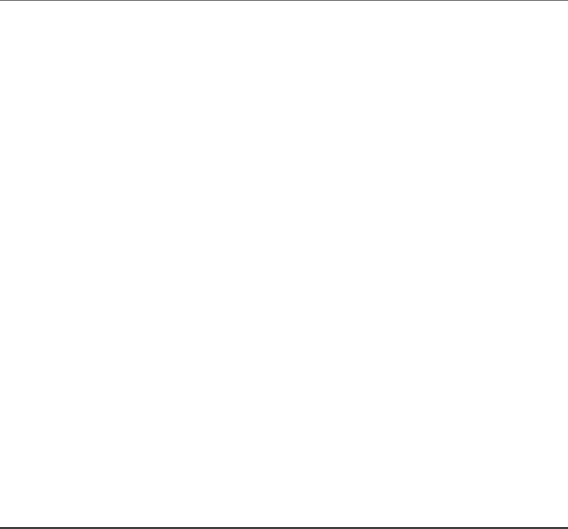
Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 82" Height (Ext): 90"	Weight (Net): 23023 lb Volume (Net): 5.88cu.yd
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Job Name: 25-2073 - Alcoa Outfall Job Location: Newburgh, IN Contractor: Bowen Engineering Corporation				Plant: 100 6/16/2026 2:36:23 PM		Tech: J. Horsley PC: A. Chambers				
Structure ID: MH 2										
P1 BX8484-08WVFV				BOX BASE 8inW, 8inF, Variable Ht T/n						
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 - 16" P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82" 1) CASTING - HOE 468 F/G 1) SECONDARY POUR 2) 84" x 84" - Conseal CS-102 1.00" 1) SQ. Hole n/n - 72"x42" 1) SQ. Hole n/n - 68"x42" 7) MH Step ML-10-TDS-NCR - 10" FIRST POUR (FLOOR): 6,713 LBS SECOND POUR (WALLS): 16,310 LBS					0 lb 218 lb 6109 lb 3953 lb 23023 lb 489 lb 0 lb 0 lb 0 lb 0 lb 0 lb Structure Total: 33791 lb		<u>Structure Notes:</u> 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 REBAR REQUIRED AROUND OPENINGS FOR INVERTS 1 & 2 4. STORM INVERT BY OTHERS 5. STEPS AT 0 DEGREES 6. HOE 468 FRAME & GRATE SUPPLIED BY ICAST 7. LIFTERS: 4 EA. 6CA14 CONAC A-ANCHORS FOR PLANT & FIELD HANDLING - INSTALLED IN 0° & 180° WALLS, 24" FROM TOP OF WALLS			
Rim: 395.29' Rim to Invert: 8.79' Slack: 0.48" Sump: 8" Step Position: 0°										
Position	Elev	Angle	Ext. (cw)	Pipe	Pipe OD	Connector	Hole	Horz Size	Up ()	Offset
Invert 1	386.5'	90°	50"	48" x 24" BOX CULV. (8W8F8T)	64" x 40"	SQ. Hole 72"x42"	72" x 42"	72"	0"	0"
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Invert 3										
Invert 4										
Invert 5										
Invert 6										
Invert 7										
Invert 8										

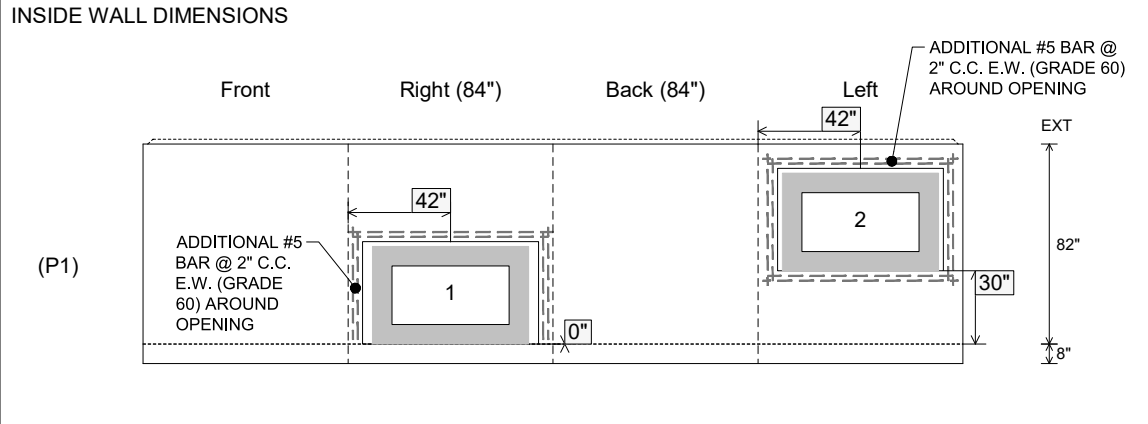
RIGHT-SIDE UP VIEW (int. dimensions)



UPSIDE-DOWN VIEW (int. dimensions)



INSIDE WALL DIMENSIONS



Coating (Int): Coating (Ext):	Seam Up: Tongue Seam Dn: n/a	Wall Thickness: 8" Floor Height: 8"	Height (Int): 82" Height (Ext): 90"	Weight (Net): 23023 lb Volume (Net): 5.88cu.yd
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