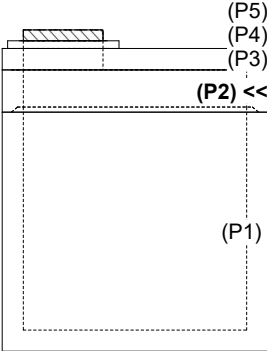
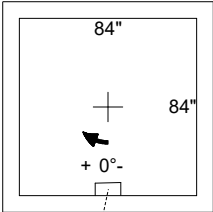


|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------|----------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|--------|--|
| Job Name: 25-2073 - Alcoa Outfall<br>Job Location: Newburgh, IN<br>Contractor: Bowen Engineering Corporation                                                                                                                                                                                                                                                                                                                                                             |      |                                                                                                                    |                                  |      | Plant: 100<br>6/16/2026 2:37:58 PM                                                                                                                   |           | Tech: J. Horsley<br>PC: A. Chambers                                                                                                                                                                                                                                                                                                                                                                           |           |  |        |  |
| Structure ID: MH 2                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| P2 BX084084-08RVF                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                                                                                                    | BOX RISER 8inW, Variable Ht F/G  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| <p>P5) 30" x 30" - CASTING HEIGHT - 4"<br/>P4) 30" x 30" - GRADE RING F/F - 3"<br/>P3) 84" x 84" - CB FLAT TOP 8"W w/30"x30" ECC HOLE F/F - 8"<br/>P2) 84" x 84" - BOX RISER 8inW, Variable Ht F/G - 16"<br/>P1) 84" x 84" - BOX BASE 8inW, 8inF, Variable Ht T/n - 82"</p> <p>1) CASTING - HOE 468 F/G<br/>1) SECONDARY POUR<br/>2) 84" x 84" - Conseal CS-102 1.00"<br/>1) SQ. Hole n/n - 72"x42"<br/>1) SQ. Hole n/n - 68"x42"<br/>7) MH Step ML-10-TDS-NCR - 10"</p> |      |                                                                                                                    |                                  |      | <p>0 lb<br/>218 lb<br/>6109 lb<br/>3953 lb<br/>23023 lb<br/>489 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb<br/>0 lb</p> <p>Structure Total: 33791 lb</p> |           | <p>Structure Notes:</p> <p>1. PER ASTM C-913 SPECIFICATIONS<br/>2. CONCRETE: 4,500 PSI AT 28 DAYS<br/>3. REINFORCEMENT: #5 BAR @ 8" C.C. E.W. (GRADE 60) - 2" MIN. REBAR CLEARANCE (TYP)<br/>4. STEPS AT 0 DEGREES<br/>5. HOE 468 FRAME &amp; GRATE SUPPLIED BY ICAST<br/>6. LIFTERS: 4 EA. 5CA14 CONAC A-ANCHORS FOR PLANT &amp; FIELD HANDLING - INSTALLED IN 0° &amp; 180° WALLS, 8" FROM TOP OF WALLS</p> |           |                                                                                    |        |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Invert 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| RIGHT-SIDE UP VIEW (int. dimensions)                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
|                                                                                                                                                                                                                                                                                                                                                                                       |      |  <p>Step: 0°<br/>Shift: 0"</p> |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| INSIDE WALL DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
|                                                                                                                                                                                                                                                                                                                                                                                      |      |                                                                                                                    |                                  |      |                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                    |        |  |
| Coating (Int):<br>Coating (Ext):                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                                                    | Seam Up: Flat<br>Seam Dn: Groove |      | Wall Thickness: 8"<br>Floor Height: 0"                                                                                                               |           | Height (Int): 16"<br>Height (Ext): 16"                                                                                                                                                                                                                                                                                                                                                                        |           | Weight (Net): 3953 lb<br>Volume (Net): 1.01cu.yd                                   |        |  |