

# INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT

## NANAIMO GRIT 1-3, NANAIMO, BRITISH COLUMBIA CANADA

### THREE (3)- THREE (3) SHAFT LONGITUDINAL GRIT COLLECTION SYSTEMS

## INSTALLATION AND LAYOUT DRAWING LIST

| <u>SHEET NO.</u> | <u>DESCRIPTION</u>                                                          |
|------------------|-----------------------------------------------------------------------------|
| WGZ0067002 -01   | -DRAWING LIST                                                               |
| WGZ0067002 -02   | -GENERAL NOTES, SCHEDULES, LEGENDS                                          |
| WGZ0067002 -03   | -PLAN VIEW                                                                  |
| WGZ0067002 -04   | -ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE                         |
| WGZ0067002 -05   | -ELEVATION B-B: LONGITUDINAL COLLECTOR - NON-DRIVE SIDE                     |
| WGZ0067002 -06   | -SECTION C-C: HEAD SHAFT & LOWER IDLER                                      |
| WGZ0067002 -07   | -SECTION D-D: GRIT COLLECTOR FLIGHT                                         |
| WGZ0067002 -08   | -SECTION E-E: TAIL SHAFT                                                    |
| WGZ0067002 -09   | -DETAIL SHEET: DETAILS 1-5                                                  |
| WGZ0067002 -10   | -DETAIL SHEET: FLIGHT ASSEMBLY                                              |
| WGZ0067002 -11   | -DETAIL SHEET: FLOOR WEAR STRIP INSTALLATION                                |
| WGZ0067002 -12   | -DRIVE UNIT LAYOUT: LONGITUDINAL PLAN VIEWS - TANK T-112                    |
| WGZ0067002 -13   | -DRIVE UNIT LAYOUT: LONGITUDINAL SECTIONS & ELEVATIONS - TANK T-112         |
| WGZ0067002 -14   | -DRIVE UNIT LAYOUT: LONGITUDINAL PLAN VIEWS - TANK T-111 & T-113            |
| WGZ0067002 -15   | -DRIVE UNIT LAYOUT: LONGITUDINAL SECTIONS & ELEVATIONS - TANK T-111 & T-113 |
| WGZ0067002 -16   | -DETAIL A: TYP WALL BRKT- RETURN RAIL & HOLD DOWN RAIL (TANK 1 & 2)         |
| WGZ0067002 -17   | -DETAIL SHEET: RETURN RAIL WEAR STRIP INSTALLATION                          |
| WGZ0067002 -18   | -DETAIL SHEET: HOLD DOWN RAILS - DRIVE SIDE                                 |
| WGZ0067002 -19   | -DETAIL SHEET: HOLD DOWN RAILS - NON-DRIVE SIDE                             |
| WGZ0067002 -20   | -DETAIL A: TYP WALL BRKT- RETURN RAIL & HOLD DOWN RAIL (TANK 3)             |

[illegible]

GENERAL NOTES

1. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION OF EQUIPMENT. THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE APPROVED OPERATION AND MAINTENANCE MANUAL.
2. BILL OF MATERIAL IS FOR ONE (1) TANK, CONSISTING OF ONE(1) LONGITUDINAL COLLECTOR.
3. LOCATE ALL EQUIPMENT FROM THEORETICAL TANK CENTER LINE.  
INSTALLATION TOLERANCES: SPROCKETS MUST BE LEVEL & PARALLEL TO EACH OTHER WITHIN ± 1/16" & PARALLEL TO THEORETICAL TANK CENTERLINE. STUB SHAFT/SPINDLE AXIS MUST ALIGN WITH ONE ANOTHER AND BE PERPENDICULAR TO THE THEORETICAL CENTERLINE WITHIN ± 1/16".
4. ANCHOR BOLTS FURNISHED PER BILL OF MATERIAL, INSTALLED BY CONTRACTOR
5. ALL GROUT TO BE NON-SHRINK, 3,000 PSI MIN, FURNISHED & INSTALLED BY THE CONTRACTOR AFTER FINAL ADJUSTMENT & ALIGNMENT OF EQUIPMENT HAS BEEN VERIFIED BY POLYCHEM SYSTEMS.
6. INSTALL DRIVE CHAIN TENSIONER ASSEMBLIES AFTER FINAL INSTALLATION & ALIGNMENT OF NH-78 DRIVE & DRIVEN SPROCKETS & DRIVE CHAIN.
7. LUBRICATE BEARING SLEEVE OF DRIVE UNIT AND COAT INPUT SHAFT WITH ANTI-SEIZE (BY CONTRACTOR) PRIOR TO INSTALLATION.
8. COAT ALL STAINLESS STEEL TO STAINLESS STEEL FASTENERS WITH AN ANTI-SEIZE COMPOUND BY CONTRACTOR APPLIED PER MFG'S INSTRUCTIONS.
9. LOCATE & MARK ANCHOR LOCATIONS AS SHOWN.
10. CHECK LOCATIONS WITH TEST FIT OF EQUIPMENT TO BE INSTALLED, ADJUST POSITION IF NECESSARY, THEN DRILL AS SHOWN IN SCHEDULE. IF INTERFERENCE OR DISCREPANCY IS ENCOUNTERED, CONTACT POLYCHEM SYSTEMS BEFORE INSTALLING ADDITIONAL EQUIPMENT.
11. INSTALL CHAIN GUARDS & TAKE-UP ASSEMBLIES AFTER INSTALLING DRIVE UNITS, ALIGN DRIVE AND TAKE-UP SPROCKETS WITH DRIVEN SPROCKETS ON HEAD SHAFTS.
12. ELEVATIONS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. IN CASES WHERE CLEARANCES ARE CRITICAL THE DIMENSION SHALL SERVE AS A MINIMUM REQUIREMENT FROM THE HIGHEST POINT ACROSS THE TANK WIDTH AND FROM THE FURTHEST POINT LONGITUDINALLY FOR THE LOWER IDLER AND THE CLOSEST POINT LONGITUDINALLY FOR THE TAIL SHAFT. +/- DIMENSIONS ARE APPROXIMATE AND COULD VARY THROUGHOUT THE TANK UPON FINAL ADJUSTMENTS. THEY SHOULD NOT BE USED TO INSTALL EQUIPMENT EXCEPT AT LOWER IDLER OR TAIL SHAFT WHERE THE +/- IS SUPPLIED TO ALLOW MOVEMENT FOR ALIGNMENT WITH THE OPPOSITE SIDE IDLER.
13. ORIENTATION CRITICAL FOR COLLECTOR CHAIN, DRIVE CHAIN, WEAR STRIP, AND MANY OTHER COMPONENTS. REFER TO PERTINENT COMPONENT DRAWINGS PRIOR TO INSTALLATION.
14. RETURN RAILS ARE TO BE FIELD DRILLED AND CUT TO LENGTH AS REQUIRED, IF APPLICABLE.
15. CONTRACTOR IS RESPONSIBLE FOR FIELD MODIFYING CHAIN GUARD COVERS, AT APPROPRIATE LOCATIONS, TO ACCOMMODATE INGRESS AND/OR EGRESS OF ELECTRICAL WIRING.
16. DIMENSIONS ARE IN FEET - INCHES AND ARE CONSIDERED TYPICAL FOR ALL TANKS UON.
17. BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UON.
18. BRENTWOOD INDUSTRIES SHALL FURNISH THE FOLLOWING FOR ALL CARBON STEEL AND CAST IRON COMPONENTS.REFER TO SHEET -09, FOR IDENTIFICATION OF PAINTED ITEMS.
  - SURFACE PREPARATION OF SSPC-SP10 NEAR-WHITE METAL BLAST CLEANING.
  - SHOP PRIMER: 1 COAT SHERWIN WILLIAMS DURA-PLATE 235 @ 4 MILS.FINISH PAINT SHALL BE BY OTHERS

19. THIS INSTALLATION & LAYOUT SET DOCUMENTS TANK STRUCTURE DIMENSIONS BY TANK VIA TABLES ON APPLICABLE SHEETS. FOR ALL STRUCTURE DIMENSIONS NOT INCLUDED IN TABLES, BRENTWOOD HAS REVIEWED TANKS 1-3 FIELD MEASUREMENT/SCAN DATA TO DETERMINE THE NOMINAL STRUCTURE DIMENSIONS SHOWN IN THIS INSTALLATION AND LAYOUT DRAWING SET. EQUIPMENT IS DESIGNED TO SUIT THE RANGE OF ACTUAL CONFIRMED DIMENSIONS.

20. WHEREVER NEW CONCRETE IS SPECIFIED TO BE APPLIED TO EXISTING, SUBMERGED CONCRETE STRUCTURES, CONTRACTOR SHALL CHIP AWAY OR OTHERWISE REMOVE APPROXIMATELY 1" OF EXISTING CONCRETE SURFACE TO PROVIDE SOUND CONCRETE TO BED NEW CONCRETE ON.

21. REFER TO SHEET-11 FOR WEAR STRIP FLOOR ANCHOR INSTALLATION.

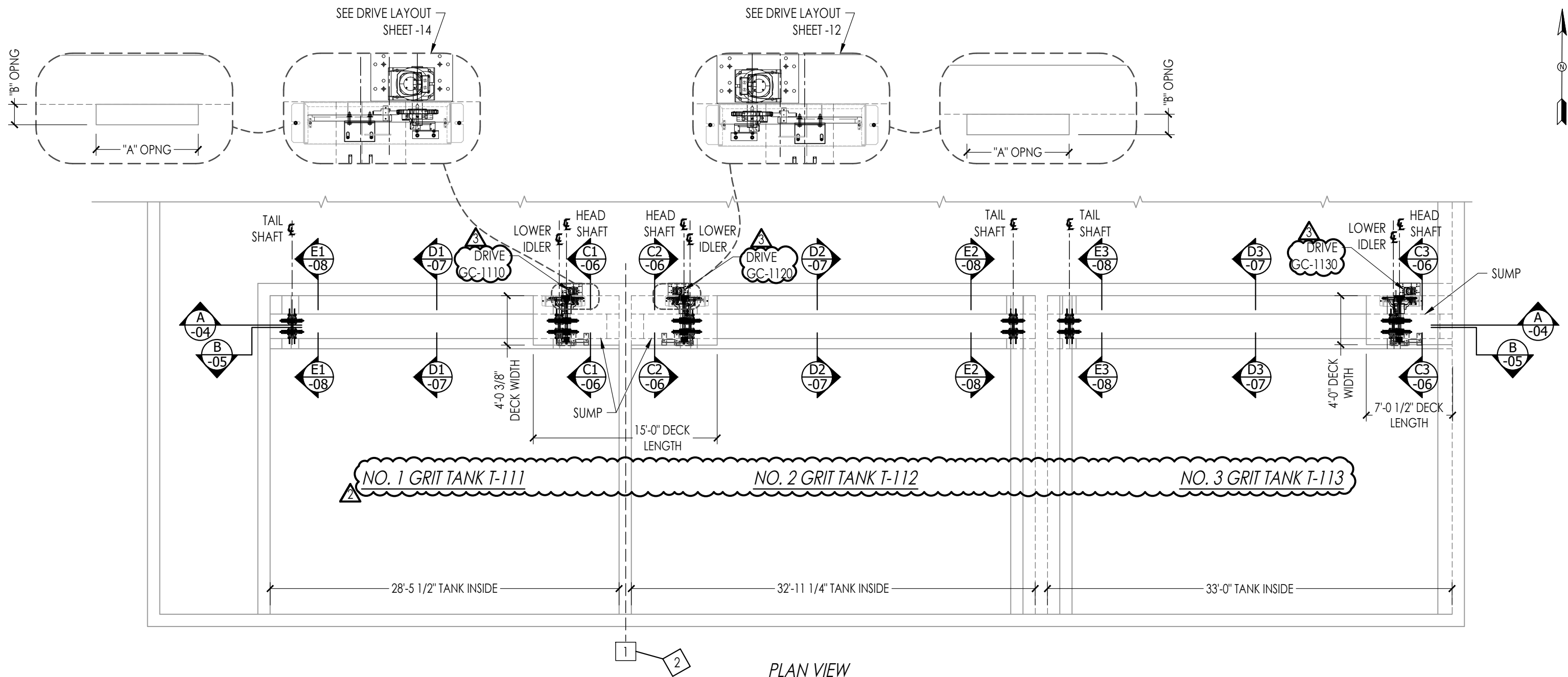
| ABBREVIATIONS |                             |
|---------------|-----------------------------|
| APPROX        | APPROXIMATE                 |
| BOM           | BILL OF MATERIALS           |
| BRKT          | BRACKET                     |
| BRG           | BEARING                     |
| CL            | CENTERLINE                  |
| DIST          | DISTANCE                    |
| DIM           | DIMENSION                   |
| EL            | ELEVATION                   |
| EQPT          | EQUIPMENT                   |
| FL            | FLOOR                       |
| FLT           | FLIGHT                      |
| FMM           | FLT MISALIGNMENT MONITORING |
| ft/m          | FEET PER MINUTE             |
| HDSFT         | HEAD SHAFT                  |
| LONG          | LONGITUDINAL                |
| MAX           | MAXIMUM                     |
| MIN           | MINIMUM                     |
| MTG           | MOUNTING                    |
| OPNG          | OPENING                     |
| OPP           | OPPOSITE                    |
| SMM           | SPRKT MOTION MONITORING     |
| SPRKT         | SPROCKET                    |
| TLSFT         | TAIL SHAFT                  |
| THRU          | THROUGH                     |
| TOD           | TOP OF DECK                 |
| TYP           | TYPICAL                     |
| UON           | UNLESS OTHERWISE NOTED      |
| WL            | WATER LEVEL                 |
| WS            | WEAR STRIP                  |
| CTR           | CONTRACTOR                  |

| ADHESIVE ANCHOR SCHEDULE |               |            |        |        |               |          |
|--------------------------|---------------|------------|--------|--------|---------------|----------|
| SYM.                     | ANCHOR SIZE   | DRILL SIZE | EMBED  | PROJ   | MIN EDGE DIST | BOM ITEM |
| A                        | 5/8"          | 3/4"       | 4 1/2" | 3"     | 3 1/8"        | 18       |
| B                        | 1"            | 1 1/8"     | 5"     | 3 1/2" | 5"            | 19       |
| C                        | 1/2" \ 13/16" | 7/8"       | 5"     | 0"     | 4"            | 23       |
| D                        | 1/2"          | 9/16"      | 4"     | 1 3/4" | 2 1/2"        | 30       |
| E                        | 3/8"          | 7/16"      | 3"     | 1 3/4" | 1 7/8"        | 35       |
| F                        | 5/8"          | 3/4"       | 5"     | 6 1/2" | 3 1/8"        | 43       |
| G                        | 1/2"          | 9/16"      | 4"     | 3"     | 2 1/2"        | 50       |
| H                        | 1/2"          | 9/16"      | 3 3/4" | 2"     | 2 1/2"        | 57       |
| J                        | 1/2"          | 9/16"      | 4"     | 4"     | 2 1/2"        | 63       |

| BILL OF MATERIALS |                     |
|-------------------|---------------------|
| BOM #             | DESCRIPTION         |
| WGZ0067004        | PRIMARY GRIT TANK 1 |
| WGZ0067005        | PRIMARY GRIT TANK 2 |
| WGZ0067006        | PRIMARY GRIT TANK 3 |

| LEGEND |                                                 |
|--------|-------------------------------------------------|
| SYMBOL | DESCRIPTION                                     |
|        | ANCHOR TYPE CALLOUT                             |
|        | AT                                              |
|        | BOM ITEM CALLOUT                                |
|        | GRID DATUM                                      |
|        | DETAIL CALLOUT                                  |
|        | DRAWING LABEL<br>DRAWING NUMBER(S) WHERE TAKEN  |
|        | FLAG NOTE - SEE NOTE THAT SHEET                 |
|        | FLOOR SLOPE - TO LONG LINES                     |
|        | MAXIMUM WATER LEVEL EL                          |
|        | REFERENCE DIMENSION                             |
|        | DIMENSION REQUIRES<br>VERIFICATION/CONFIRMATION |
|        | REVISION CALLOUT                                |
|        | VIEW CALLOUT                                    |
|        | CONCRETE                                        |
|        | GROUT                                           |
|        | STEEL                                           |
|        | DATUM                                           |
|        | WITH                                            |

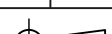
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|     |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STATUS                     |                           | PROJECT TITLE                                    |                                                                                       |                                                        |                                   |           |  |
|     |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ISSUED FOR<br>INSTALLATION |                           | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |                                                                                       |                                                        |                                   |           |  |
|     |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ISO-9001<br>REGISTERED     |                           | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3  |                                                                                       |                                                        |                                   |           |  |
| 4   | ANCHOR "J" ADDED IN TABLE                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                           |                                                  |                                                                                       |                                                        |                                   |           |  |
| 2   | NOTES AND CALLOUTS UPDATED PER REVIEW COMMENTS BY ENGINEER |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            | DRAWN<br>RHP<br>24 Jul 23 |                                                  | CHECKER<br>BSC<br>11 Jul 24                                                           | DRAWING TITLE<br><br>GENERAL NOTES, SCHEDULES, LEGENDS |                                   |           |  |
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|     | SHEET REVISIONS                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |                           |                                                  |                                                                                       |                                                        |                                   |           |  |

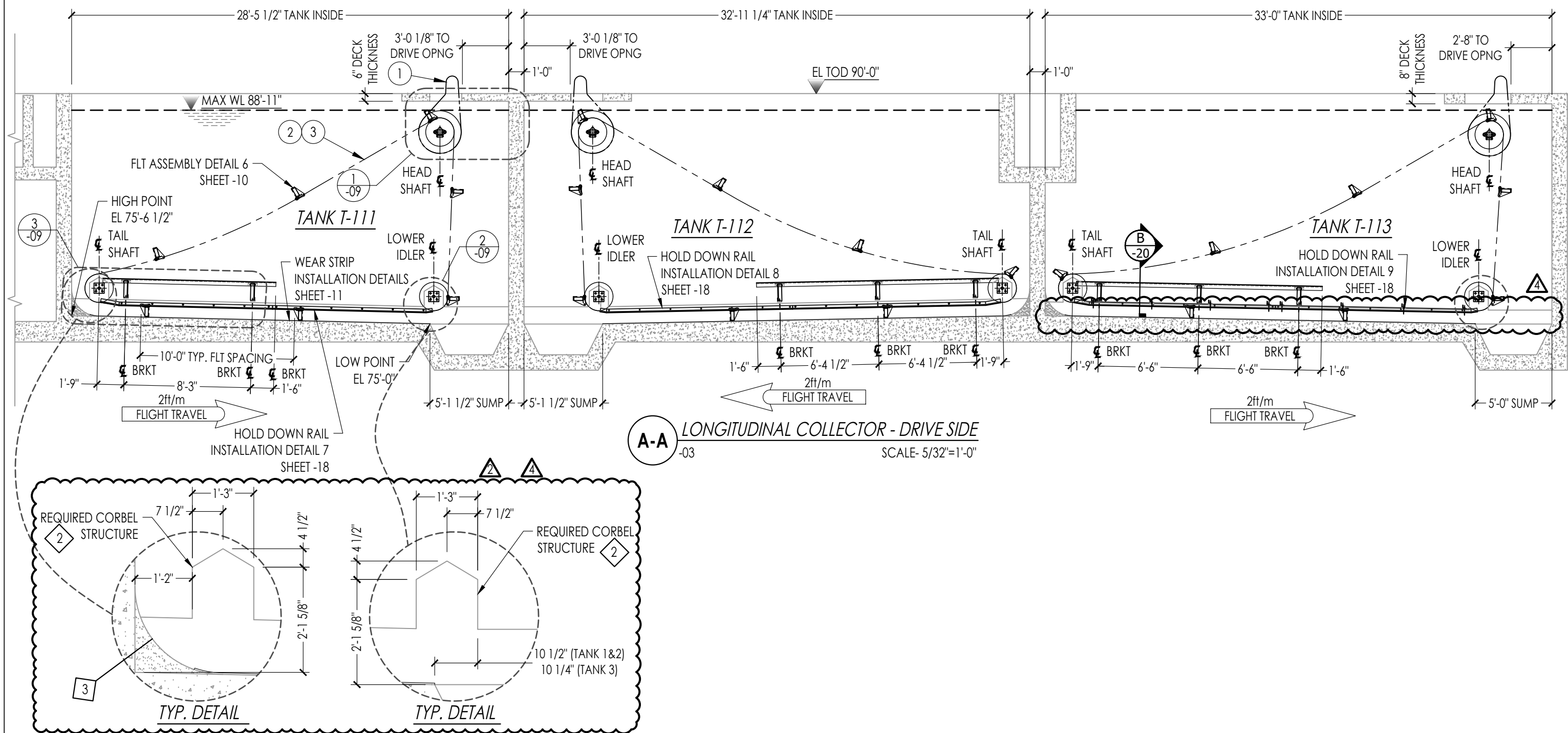


| DIMENSION " ____ " |       |    |
|--------------------|-------|----|
| TANK               | A     | B  |
| T-111              | 2'-1" | 5" |
| T-112              | 2'-1" | 5" |
| T-113              | 3'-0" | 6" |

NOTES:

- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
- TANK T-111 IS SIMILAR TO TANK T-113 UON. TANK T-111 IS SIMILAR TO TANK T-112, MIRRORED ABOUT DATUM 1, UON..

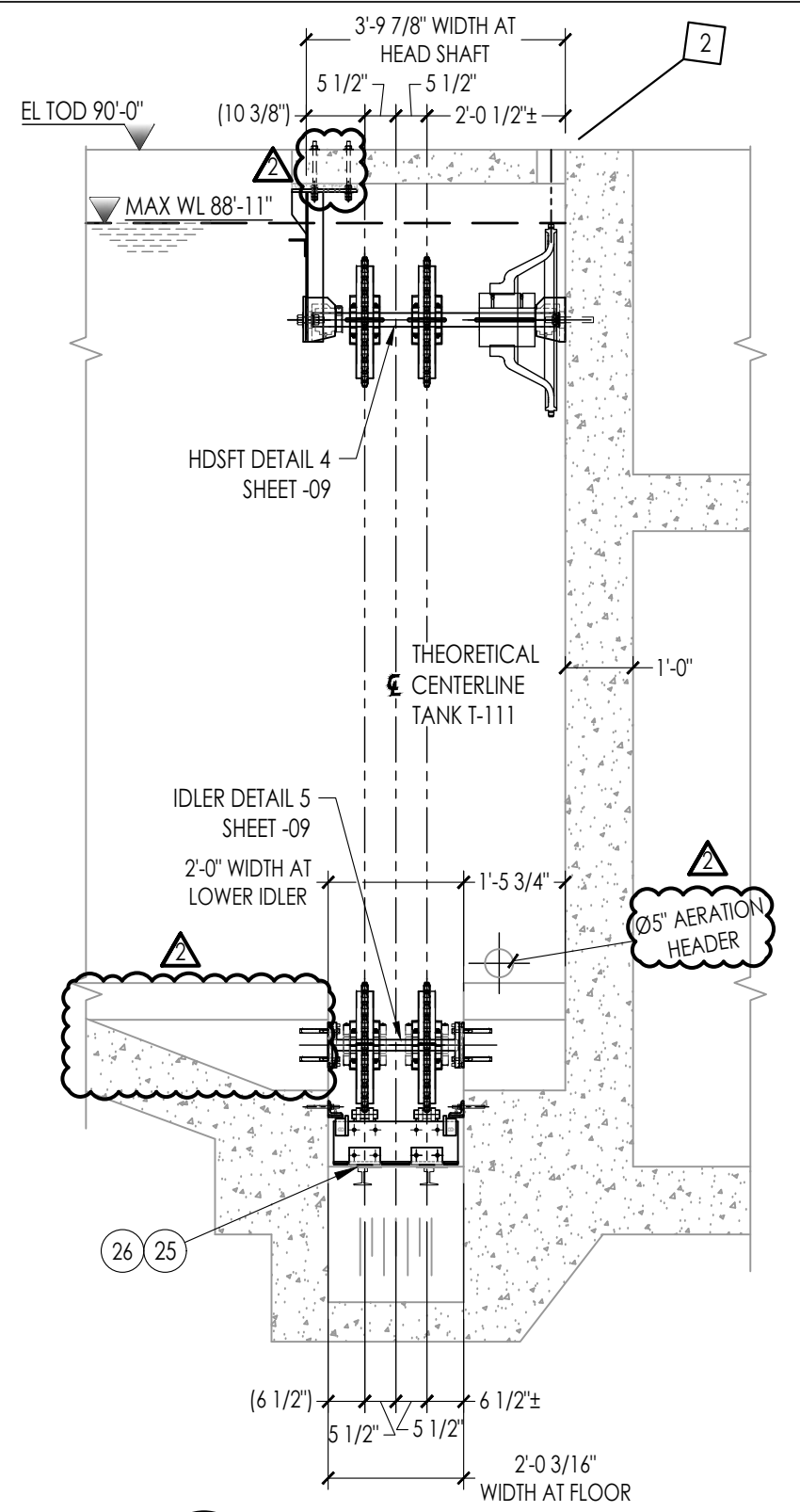
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|     |                                                                |  | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | PROJECT TITLE                                    |              |                                                                                       |               |                 |     |
|     |                                                                |                                                                                       | ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |              |                                                                                       |               |                 |     |
|     |                                                                |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3  |              |                                                                                       |               |                 |     |
| 3   | ALL DRIVES TAG NUMBERS UPDATED PER REVIEW COMMENTS BY ENGINEER |                                                                                       | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED. |  |                                                  | DRAWN        | CHECKER                                                                               | DRAWING TITLE |                 |     |
| 2   | TANK TAG NUMBERS UPDATED PER REVIEW COMMENTS BY ENGINEER       |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                  | RHP          | BSC                                                                                   | PLAN VIEW     |                 |     |
|     |                                                                |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                  | 24 Jul 23    | 11 Jul 24                                                                             |               |                 |     |
| REV | DESCRIPTION                                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                  | SCALE        |  | SHEET         | DRAWING NUMBER  | REV |
|     | SHEET REVISIONS                                                |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                  | 1/8" = 1'-0" |                                                                                       | 03 of 20      | WGZ0067002 – 03 | 04  |



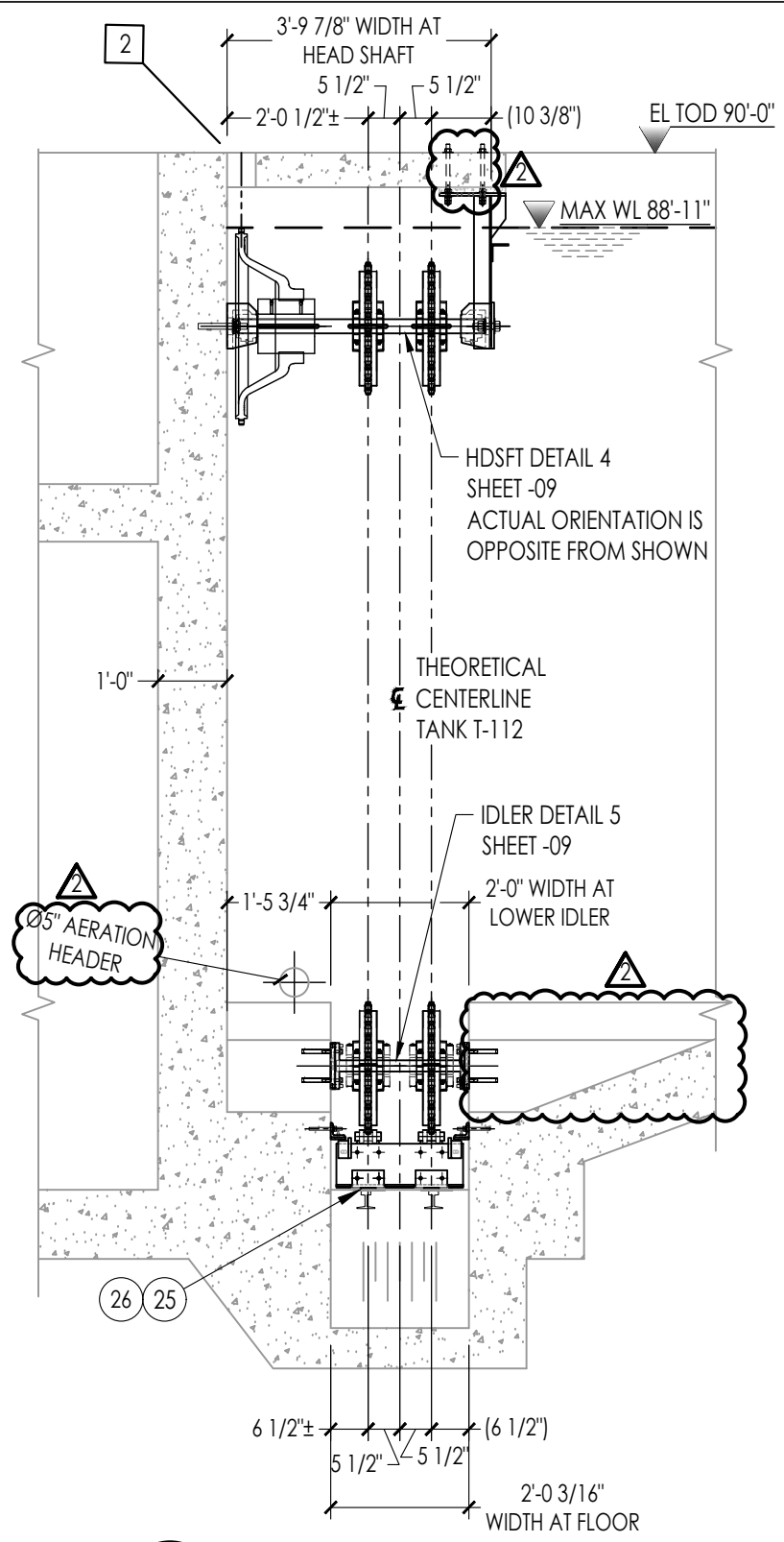
- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
  2. OLD CORBELS ARE FULLY REMOVED AND REPLACED WITH NEW CORBELS. MINIMUM CORBEL SIZE SHOWN FOR PROPER EQUIPMENT INSTALLATION. FINAL DESIGN SHALL BE BY OTHERS.
  3. PREVIOUS SCREED TO BE REMOVED AND REPLACED AS SHOWN.

|                 |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                 |                                                                                       |       |                |  |
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|                 |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ISSUED FOR<br>INSTALLATION |  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |                 |                                                                                       |       |                |  |
|                 |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ISO-9001<br>REGISTERED     |  | NANAIMO PST 1-3 & GRIT 1-3, BC                   |                 |                                                                                       |       |                |  |
|                 |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |  | GRIT TANK 1-3                                    |                 |                                                                                       |       |                |  |
| <div>4</div>    | CORBEL DETAIL UPDATED, TANK 3 UPDATED PER RE-CONFIRMED TOP OF LEDGE WALL EL. | <div>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</div> <div>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</div> |                            |  | DRAWN                                            | CHECKER         | DRAWING TITLE                                                                         |       |                |  |
| <div>2</div>    | ONLY REQUIRED CORBEL SHOWN PER REVIEW COMMENTS BY ENGINEER                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |  | RHP                                              | BSC             | ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE                                    |       |                |  |
| <div>2</div>    | NOTES & DIMENSION UPDATED, EXISTING CORBEL REMOVED                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |  | 24 Jul 23                                        | 11 Jul 24       |                                                                                       |       |                |  |
| REV             | DESCRIPTION                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |  | SCALE                                            |                 |  | SHEET | DRAWING NUMBER |  |
| SHEET REVISIONS |                                                                              | 5/32"=1'-0"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  | 04 of 20                                         | WGZ0067002 – 04 |                                                                                       | 04    |                |  |

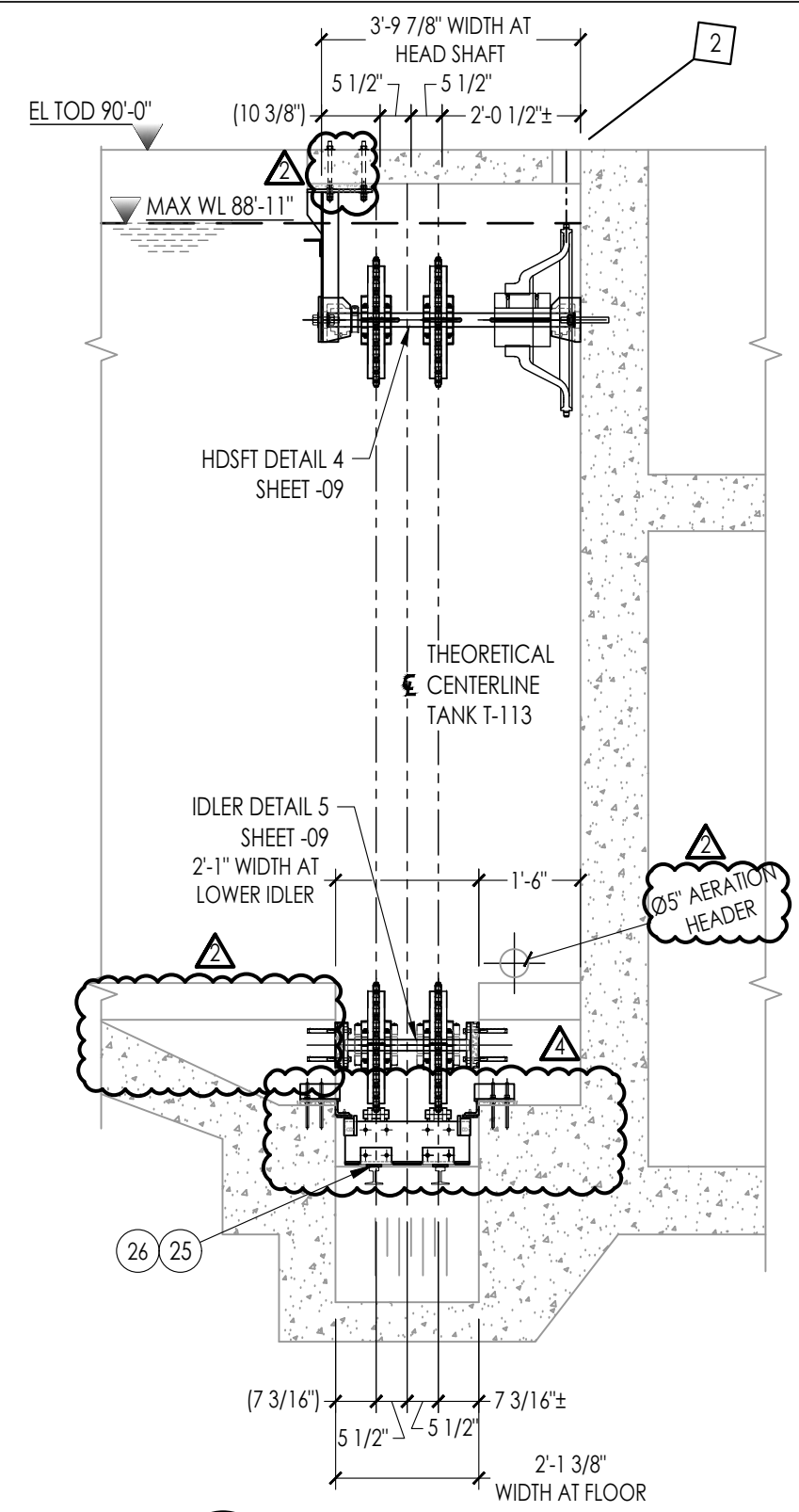




**C1-C1** HEAD SHAFT & LOWER IDLER - TANK T-111  
-03 SCALE- 3/8" = 1'-0"



**C2-C2** HEAD SHAFT & LOWER IDLER - TANK T-112  
-03 SCALE- 3/8" = 1'-0"



**C3-C3** HEAD SHAFT & LOWER IDLER - TANK T-113  
-03 SCALE- 3/8" = 1'-0"

- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
  2. DRIVES NOT SHOWN FOR CLARITY.
  3. SOME EXISTING PIPING, BAFFLES AND OTHER DETAILS OMITTED FOR CLARITY.
  4. FOR HEAD SHAFT AND IDLER ELEVATION, SEE SHEET 9.

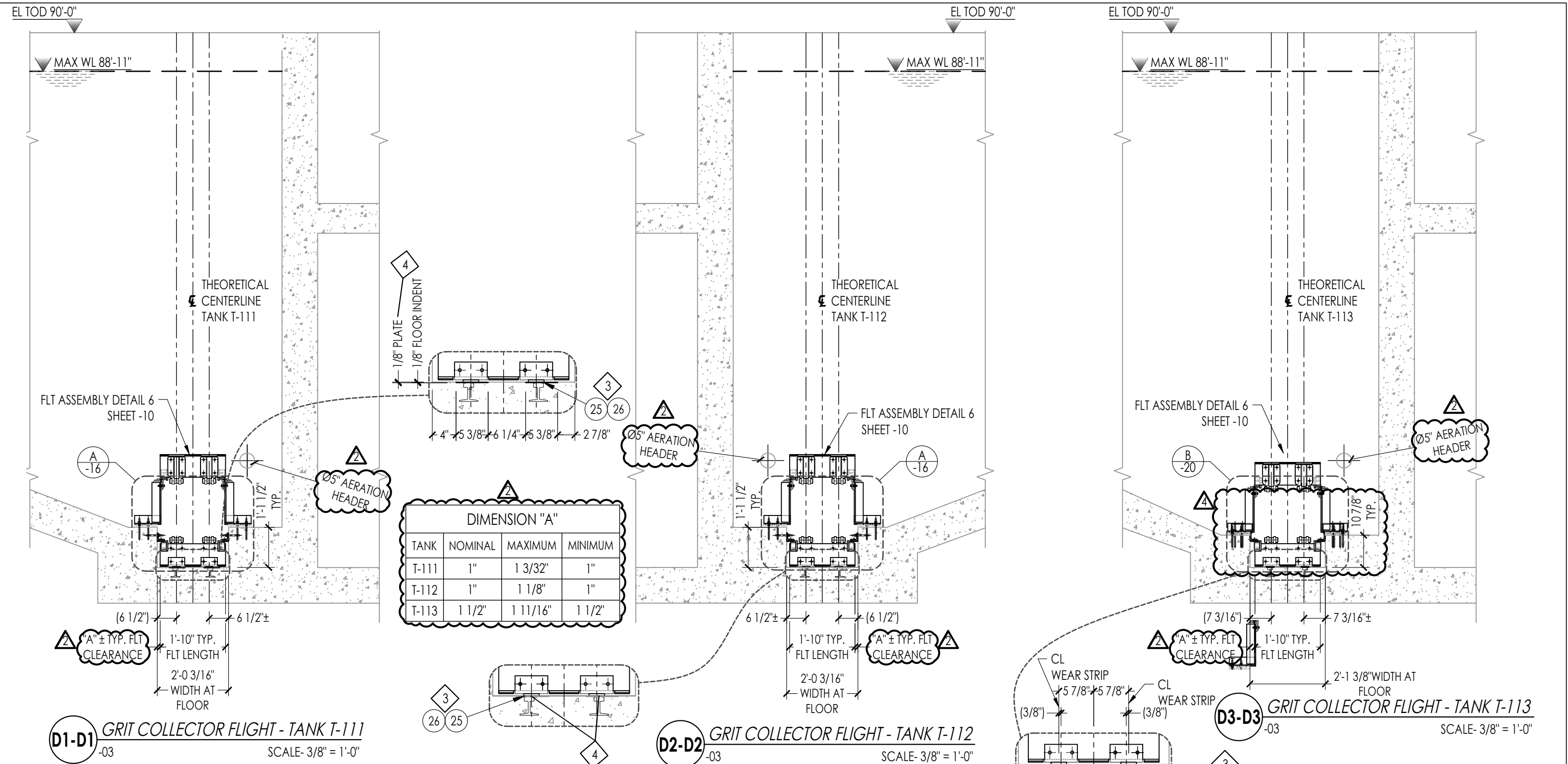
| REV             | DESCRIPTION                                                                     |
|-----------------|---------------------------------------------------------------------------------|
| 4               | TANK 3 UPDATED PER NEW WALL ELEVATION, HOLD DOWN RAIL DESIGN UPDATED            |
| 2               | CORBEL EXTENDED TILL SLOPE PER REVIEW COMMENTS BY ENGINEER                      |
| 2               | DIMENSION & NOTE ADDED, ANCHORS UPDATED TO THRU DECK WITH DOUBLE NUTS AT BOTTOM |
| SHEET REVISIONS |                                                                                 |



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STATUS  
ISSUED FOR  
INSTALLATION  
ISO-9001  
REGISTERED

|                                                                                                                      |                             |                                                        |           |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------|-----------|
| PROJECT TITLE<br>INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT<br>NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3 |                             |                                                        |           |
| DRAWN<br>RHP<br>24 Jul 23                                                                                            | CHECKER<br>BSC<br>11 Jul 24 | DRAWING TITLE<br>SECTION C-C: HEAD SHAFT & LOWER IDLER |           |
| SCALE<br>3/8" = 1'-0"                                                                                                | SHEET<br>06 of 20           | DRAWING NUMBER<br>WGZ0067002 - 06                      | REV<br>04 |



- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
  2. T-RAIL CL IS AS PER 1990 DRAWING.
  3. IF WEARSTRIP CL. FALLS ON STEEL SURFACE, USE WELD DETAIL ON SHEET -11. OTHERWISE INSTALL SUPPLIED FLOOR ANCHORS INTO CONCRETE FLOOR AS PER SHEET -11.
  4. CONTRACTOR TO REMOVE ALL EXISTING STEEL WEAR STRIPS THAT ARE WELDED TO THE EXISTING T-RAILS.
  5. EMBEDDED RAIL IS ASSUMED FLUSH WITH CONCRETE FLOOR PER RFI-003 RESPONSE. IF EMBEDDED RAIL IS 1/8" OR MORE BELOW SURFACE OF CONCRETE TROUGH, CONTRACTOR TO SPOT WELD IN NEW 316 SS SHIM STOCK @ 8" CC TO BUILD UP SURFACE OF RAIL. GRIND OFF ANY HIGH SPOTS ON T-RAIL BEFORE INSTALLING SHIM STOCK. 309 SS WELDING ROD TO BE USED FOR SHIM STOCK ATTACHMENT WELDS.
  6. SOME EXISTING PIPING, BAFFLES AND OTHER DETAILS OMITTED FOR CLARITY.

| REV             | DESCRIPTION                                                          |
|-----------------|----------------------------------------------------------------------|
| 4               | TANK 3 UPDATED PER NEW WALL ELEVATION, HOLD DOWN RAIL DESIGN UPDATED |
| 2               | FLIGHT CLEARANCE TABLE ADDED PER REVIEW COMMENTS BY ENGINEER         |
| 2               | DIMENSION ADDED & NOTE UPDATED PER REVIEW COMMENTS BY ENGINEER       |
| SHEET REVISIONS |                                                                      |



**Polychem**

STATUS

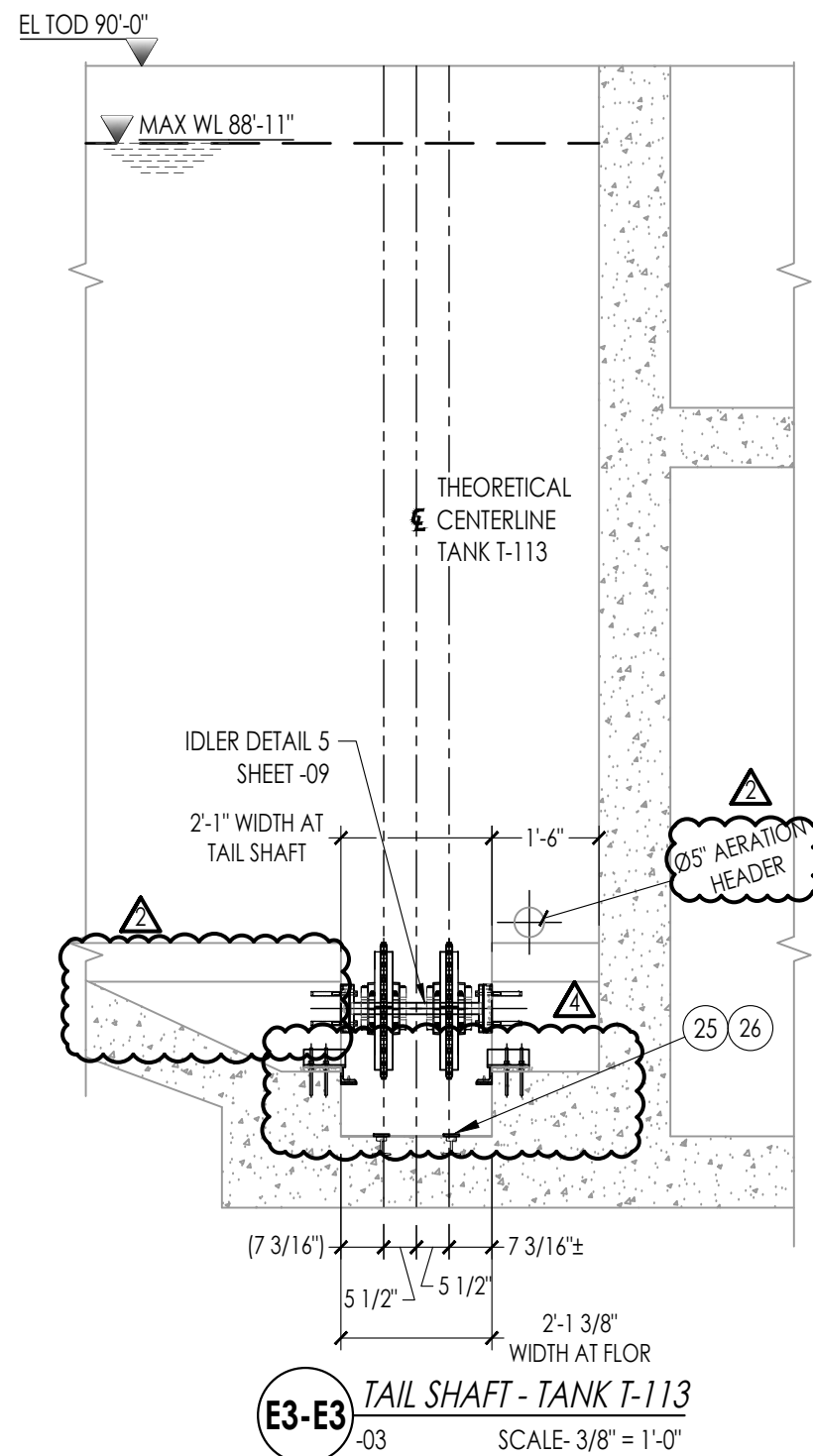
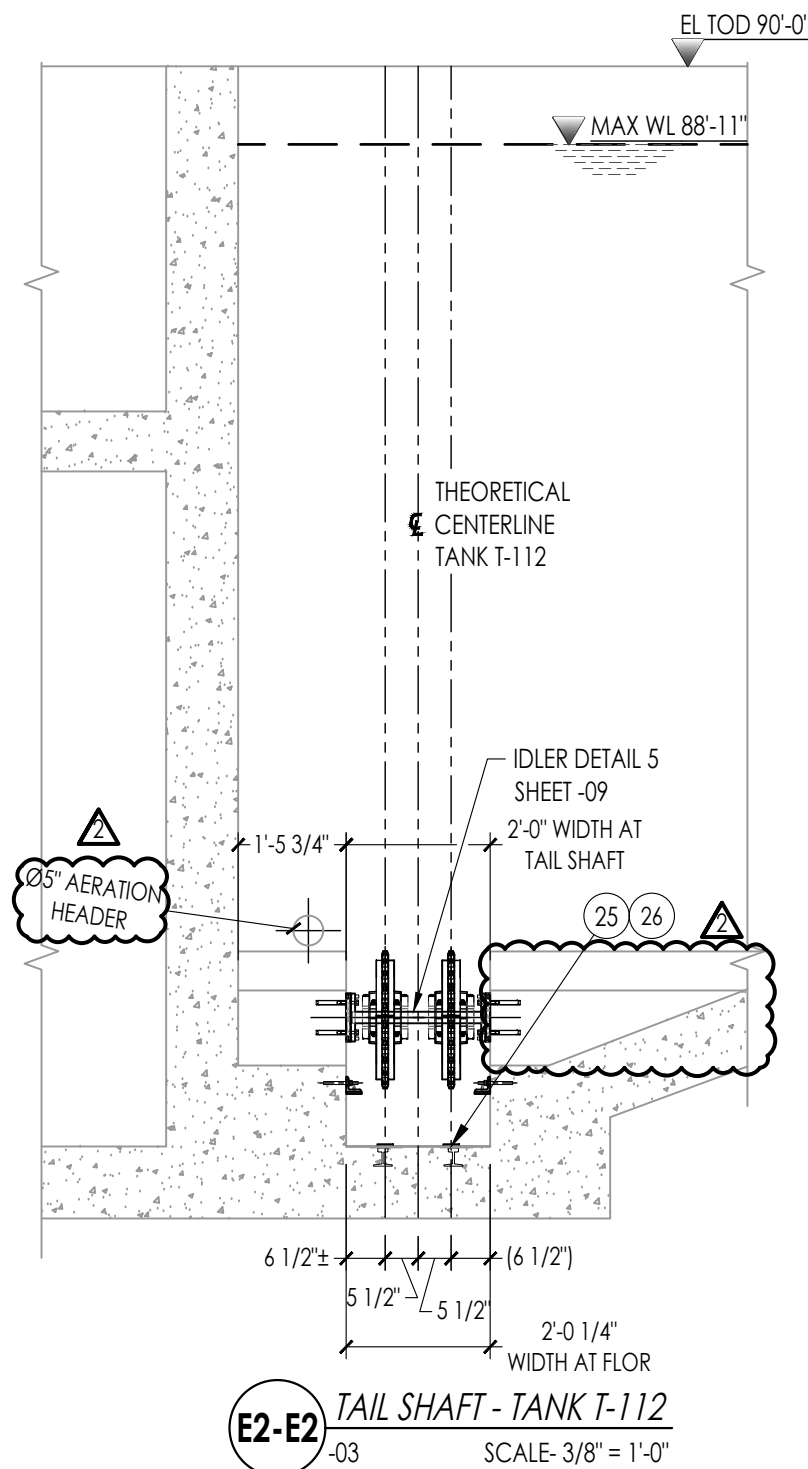
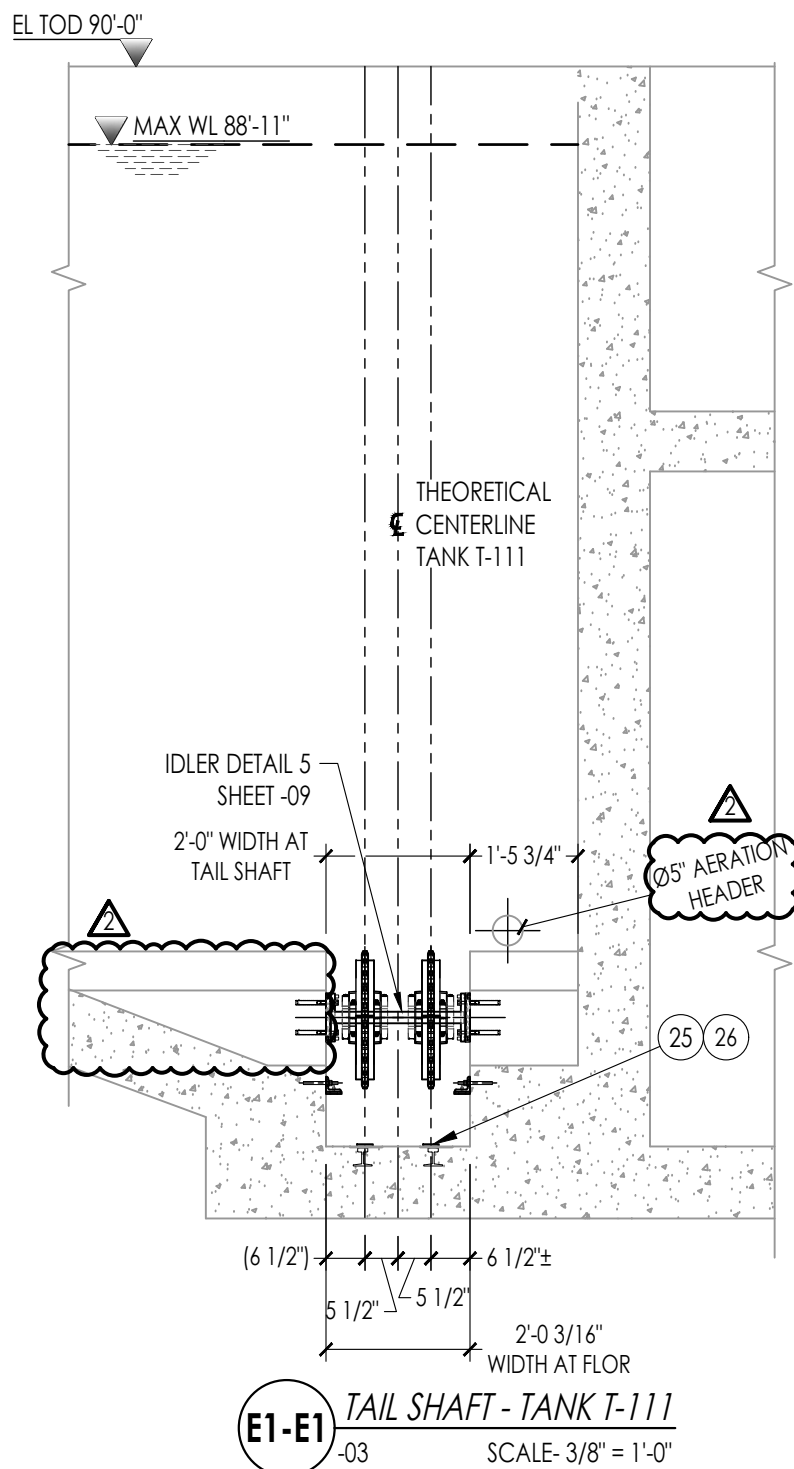
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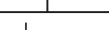
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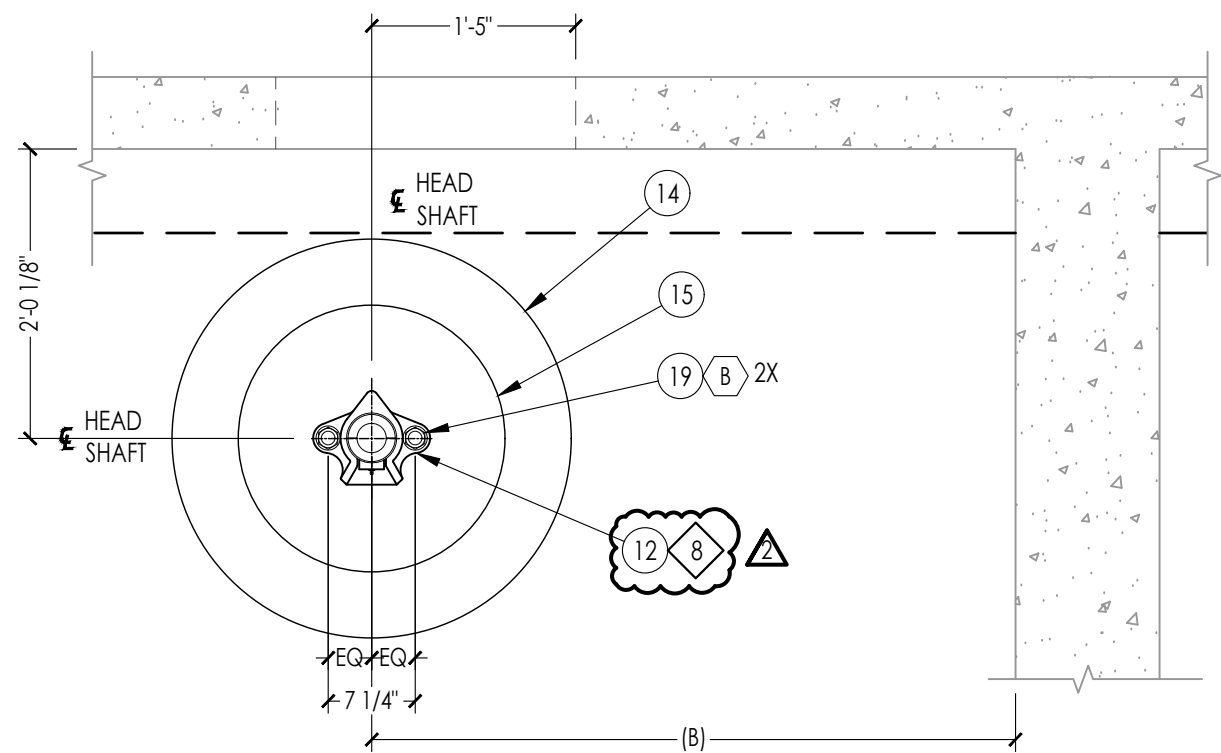
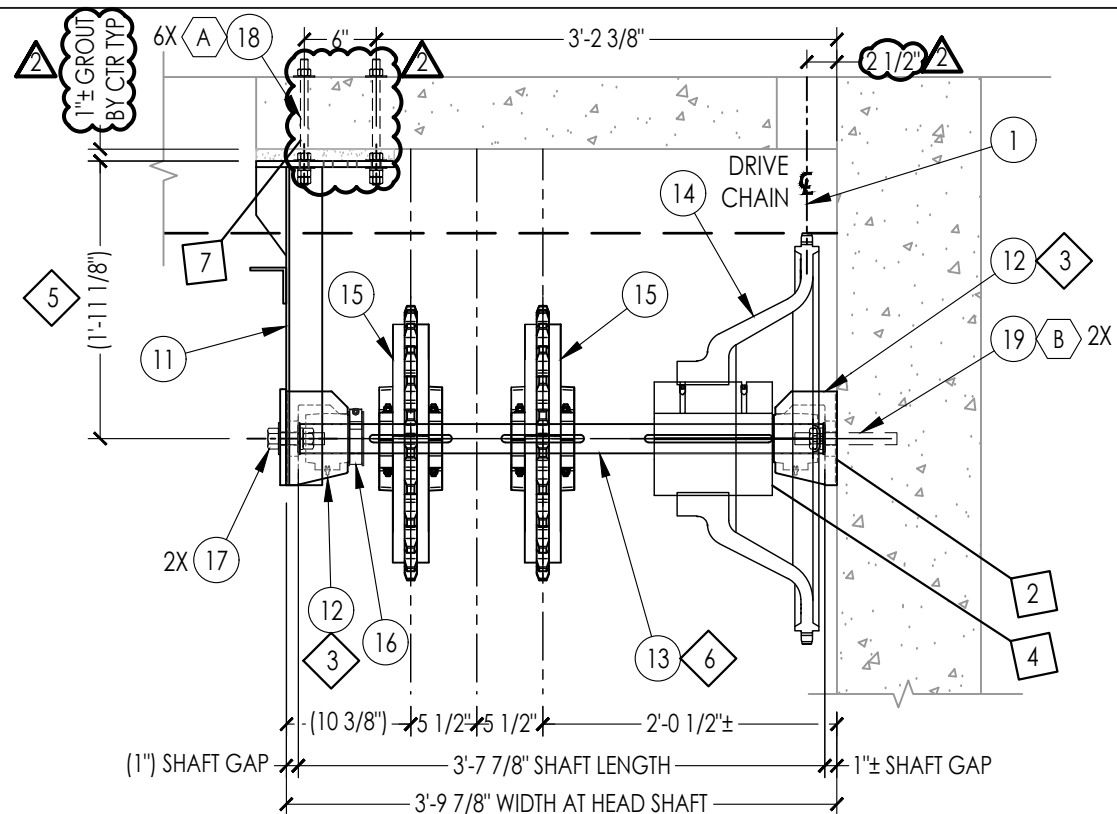
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|               |           |                                                  |     |
|---------------|-----------|--------------------------------------------------|-----|
| PROJECT TITLE |           | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |     |
|               |           | NANAIMO PST 1-3 & GRIT 1-3, BC                   |     |
|               |           | GRIT TANK 1-3                                    |     |
| DRAWN         | CHECKER   | DRAWING TITLE                                    |     |
| RHP           | BSC       | SECTION D-D: GRIT COLLECTOR FLIGHT               |     |
| 24 Jul 23     | 11 Jul 24 |                                                  |     |
| SCALE         | SHEET     | DRAWING NUMBER                                   | REV |
| 3/8" = 1'-0"  | 07 of 20  | WGZ0067002 - 07                                  | 04  |

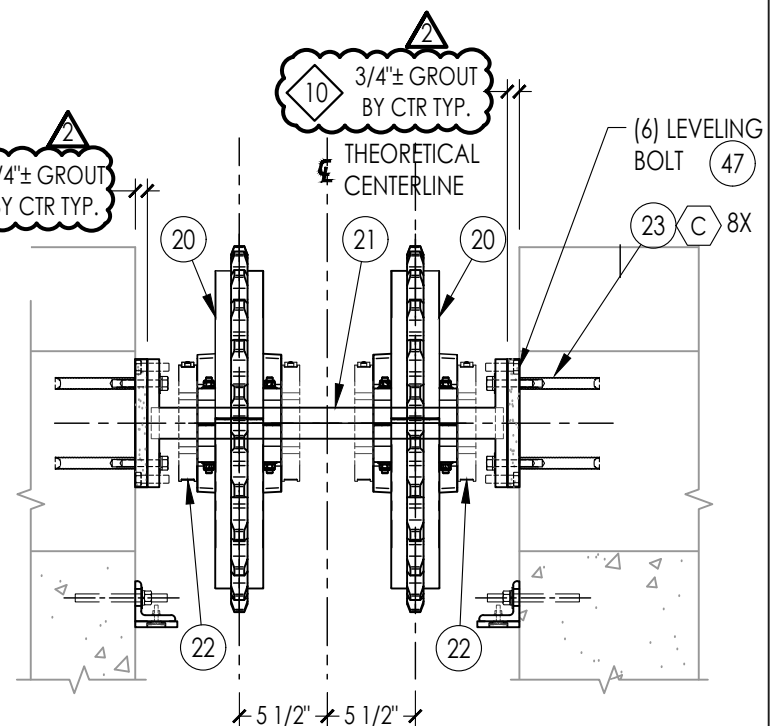
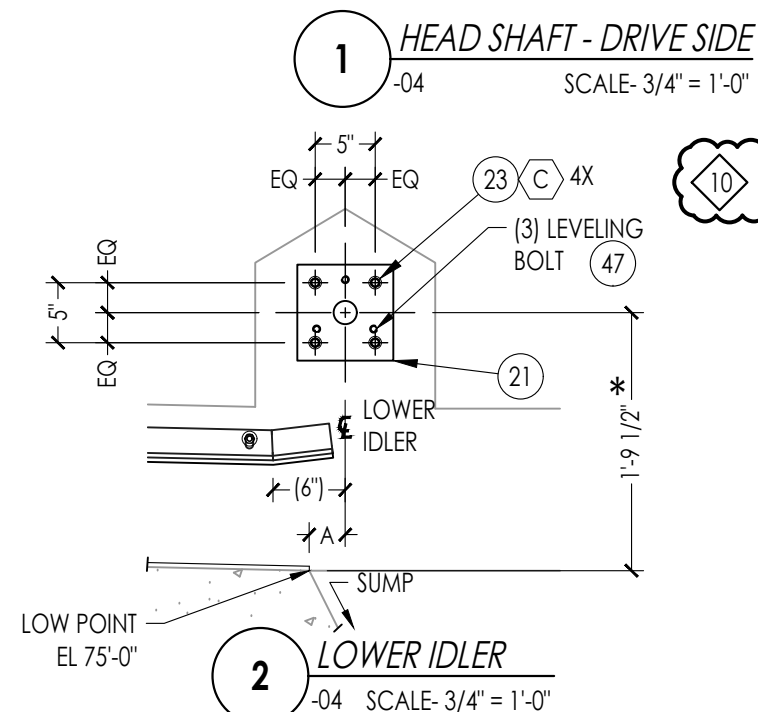
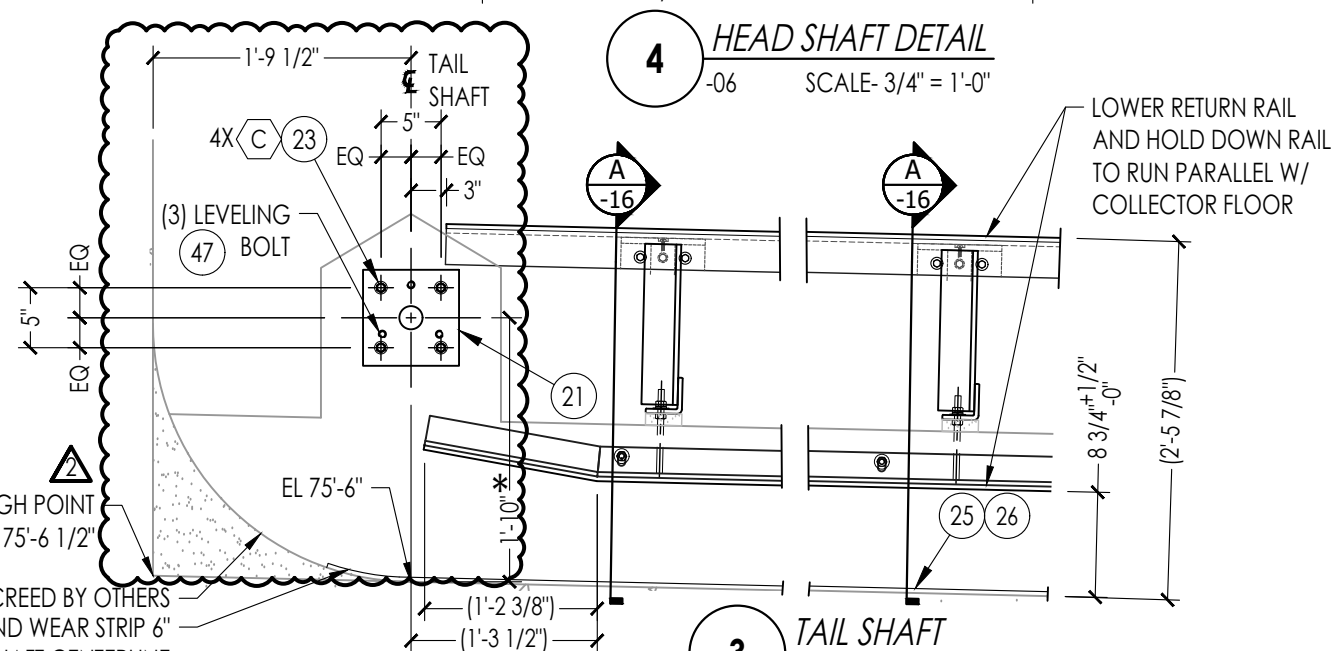


- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
  2. FOR TAIL SHAFT ELEVATION, SEE SHEET 9.

|                 |                                                                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                       |  |                                              |  |                                   |           |
|-----------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------------------------------|--|-----------------------------------|-----------|
|                 |                                                                                    |  | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | PROJECT TITLE                                                                         |  |                                              |  |                                   |           |
|                 |                                                                                    |                                                                                       | ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT                                      |  |                                              |  |                                   |           |
|                 |                                                                                    |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3                                       |  |                                              |  |                                   |           |
| 4               | TANK 3 UPDATED PER NEW WALL ELEVATION, HOLD DOWN RAIL DESIGN UPDATED               |                                                                                       | <div>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</div> <div>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</div> |  |                                                                                       |  |                                              |  |                                   |           |
| 2               | DIMENSION & NOTE ADDED, CORBEL EXTENDED TILL SLOPE PER REVIEW COMMENTS BY ENGINEER |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                       |  |                                              |  |                                   |           |
| REV             | DESCRIPTION                                                                        |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                       |  |                                              |  |                                   |           |
| SHEET REVISIONS |                                                                                    |                                                                                       | DRAWN<br>RHP<br>24 Jul 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | CHECKER<br>BSC<br>11 Jul 24                                                           |  | DRAWING TITLE<br><br>SECTION E-E: TAIL SHAFT |  |                                   |           |
|                 |                                                                                    |                                                                                       | SCALE<br>3/8" = 1'-0"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  | SHEET<br>08 of 20                            |  | DRAWING NUMBER<br>WGZ0067002 – 08 | REV<br>04 |



| DIMENSION " ____ " |        |           |
|--------------------|--------|-----------|
| TANK               | A      | B         |
| T-111              | 3"     | 4'-5 5/8" |
| T-112              | 3"     | 4'-5 5/8" |
| T-113              | 2 3/4" | 4'-1"     |



#### NOTES:

- SEE WEAR STRIP INSTALLATION DETAILS SHEET-11 (FLOOR) AND SHEET-17 (RETURN RAIL) FOR REQUIRED INSTALLATION GAPS. WEAR STRIP GAPS SHALL NOT OCCUR OVER THE SPLICE SHOE AREA.
- CONTRACTOR TO SHIM BEHIND WALL BEARING, AS REQUIRED, TO LEVEL.
- REFER TO SHEET -02, NOTE 18.
- LOCATE SET COLLAR WITH APPROXIMATELY 1/8" CLEARANCE TO THE BEARING. SET VDS 40T SPROCKET TO MAINTAIN A 1/8" GAP FROM THE ADJUSTABLE HUB TO THE BEARING, IN ACCORDANCE WITH THE MANUFACTURER'S CUT SHEETS.
- ALIGN WITH DRIVE SIDE.
- FOR INSTALLATION, CONTRACTOR SHALL PRE-ASSEMBLE WALL BEARINGS ON THE SHAFT AND SLIDE INWARD, AS REQUIRED TO CLEAR ANCHOR PROJECTIONS ON THE DRIVE SIDE. CONTRACTOR MAY NEED TO TEMPORARILY REMOVE KEYS TO SLIDE WALL BEARINGS INWARD.
- PILOT DRILL HOLE FROM BOTTOM/TOP TO AVOID SPALLING DAMAGE TO EXIST SIDE OF CONCRETE SLAB.

- GREASE FITTINGS ON THESE BEARINGS SHALL BE TUBED TO THE OPERATING LEVEL FOR EASY ACCESS. SS TUBING TO BE DONE BY CONTRACTOR AND SHALL AVOID INTERFERENCE TO BRENTWOOD'S EQUIPMENT.
- PREVIOUS SCREED TO BE REMOVED AND REPLACED AS SHOWN.
- GROUT TO BE ADDED, BY THE CONTRACTOR, AFTER FINAL ALIGNMENT AND FIELD INSPECTION OF THE EQUIPMENT.

\* SEE NOTE 12 ON SHEET -02

| REV             | DESCRIPTION                                                                                |
|-----------------|--------------------------------------------------------------------------------------------|
| 3               | NOTE 7 AND 8 UPDATED PER REVIEW COMMENTS BY ENGINEER                                       |
| 2               | ANCHORS UPDATED TO THROUGH DECK WITH DOUBLE NUTS AT BOTTOM PER REVIEW COMMENTS BY ENGINEER |
| 1               | NOTES & DIMENSION ADDED, EXISTING CORBEL REMOVED ONLY REQUIRED CORBEL SHOWN                |
| SHEET REVISIONS |                                                                                            |

**Polychem**

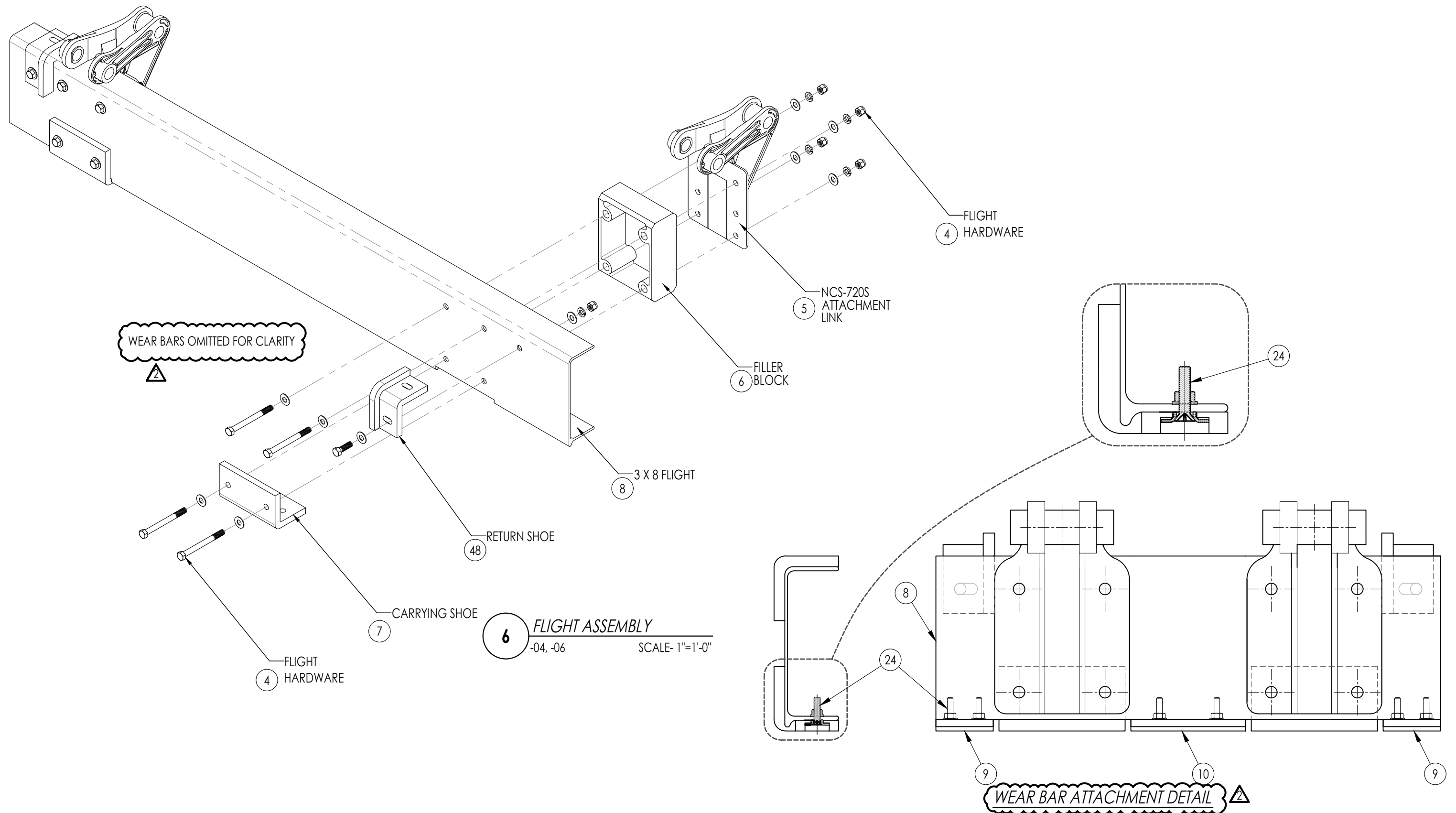
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STATUS  
ISSUED FOR  
INSTALLATION  
ISO-9001  
REGISTERED

PROJECT TITLE  
INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT  
NANAIMO PST 1-3 & GRIT 1-3, BC  
GRIT TANK 1-3

| DRAWN            | CHECKER          | DRAWING TITLE             |
|------------------|------------------|---------------------------|
| RHP<br>24 Jul 23 | BSC<br>11 Jul 24 | DETAIL SHEET: DETAILS 1-5 |
| SCALE            | SHEET            | DRAWING NUMBER            |
| AS NOTED         | 09 of 20         | WGZ0067002 - 09           |
|                  |                  | REV 04                    |

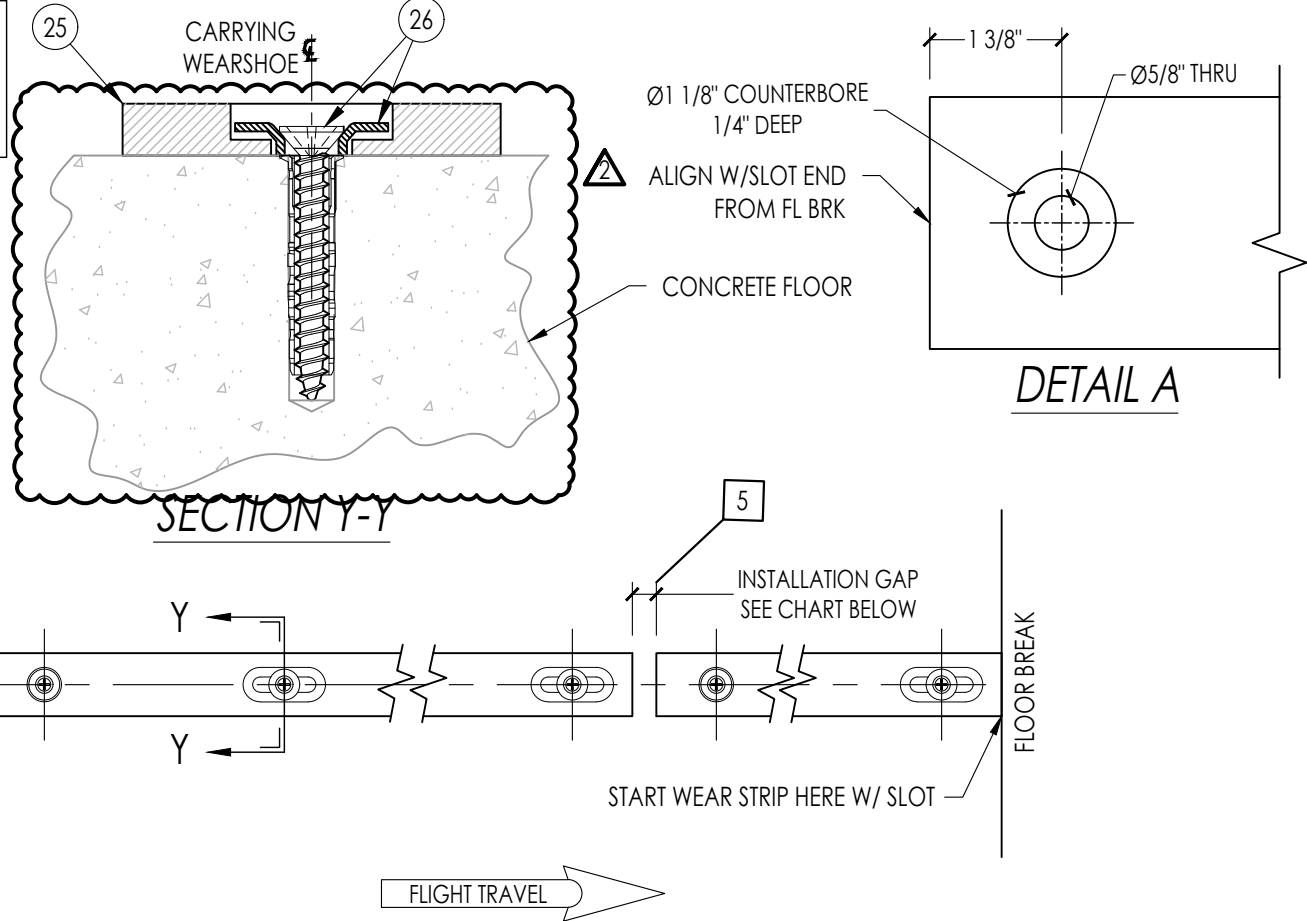


# FLAG NOTES:

- DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
- ASSEMBLY DETAILS MAY NOT REFLECT ACTUAL FLIGHT. ASSEMBLY PROCEDURE IS TYPICAL.

|                 |                                                |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                      |                           |                             |                                                                                       |                   |                                   |  |           |
|-----------------|------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|---------------------------------------------------------------------------------------|-------------------|-----------------------------------|--|-----------|
|                 |                                                |  | STATUS<br>ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | PROJECT TITLE<br>INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT<br>NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3 |                           |                             |                                                                                       |                   |                                   |  |           |
|                 |                                                |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                                                      |                           |                             |                                                                                       |                   |                                   |  |           |
|                 |                                                |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                      |                           |                             |                                                                                       |                   |                                   |  |           |
| <div>2</div>    | CALLOUTS ADDED PER REVIEW COMMENTS BY ENGINEER |                                                                                       | <div>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</div> <div>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</div> |  |                                                                                                                      | DRAWN<br>RHP<br>24 Jul 23 | CHECKER<br>BSC<br>11 Jul 24 | DRAWING TITLE<br>DETAIL SHEET: FLIGHT ASSEMBLY                                        |                   |                                   |  |           |
| REV             | DESCRIPTION                                    |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                      | SCALE<br>AS NOTED         |                             |  | SHEET<br>10 of 20 | DRAWING NUMBER<br>WGZ0067002 – 10 |  | REV<br>04 |
| SHEET REVISIONS |                                                |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                      |                           |                             |                                                                                       |                   |                                   |  |           |

USE THIS DETAIL IF WEARSTRIP CL. FALLS ON CONCRETE FLOOR SURFACE

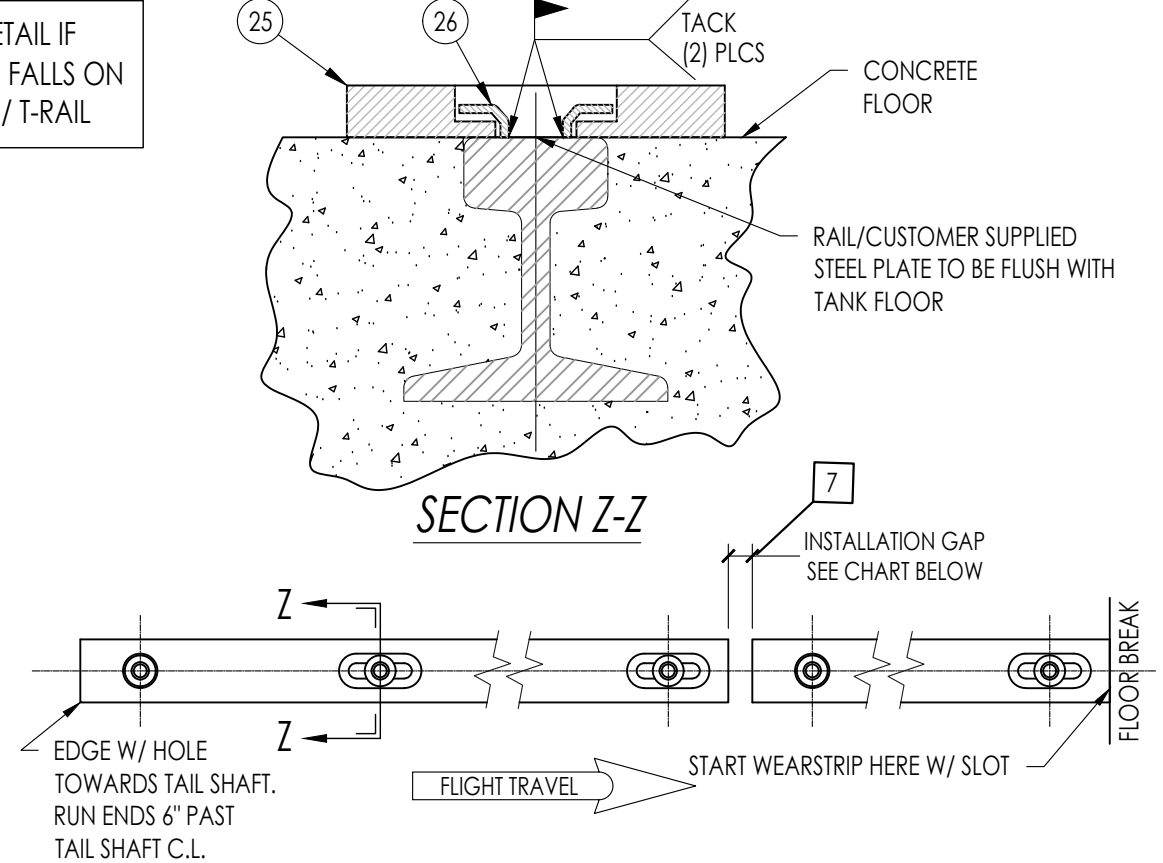


## INSTALLATION NOTES:

1. THE ORIENTATION OF THE WEAR STRIP IS CRITICAL AND SHOULD BE ORIENTED IN THE DIRECTION OF TRAVEL. FLOOR WEAR STRIPS ARE INSTALLED WITH THE ROUND HOLE TOWARDS THE TAIL SHAFT.
2. STARTING AT THE SUMP, OR FLOOR BREAK, LOCATE THE CENTER OF THE WEAR STRIP FROM THE THEORETICAL CENTERLINE AS SHOWN IN THE TANK OR TANK SECTION VIEWS IN THESE DRAWINGS.
3. USING WEAR STRIP AS A GUIDE, LOCATE & DRILL 8mm HOLES BY 45mm DEEP IN THE TANK FLOOR. INSTALL ANCHOR INSERTS IN THE DRILLED HOLES, FLUSH WITH THE CONCRETE SURFACE. REFER TO SUPPLIER CUT SHEETS FOR FURTHER DETAILS. ANY HOLE LOCATED IN THE WEAR STRIP SLOTS SHOULD BE POSITIONED AT THE MIDPOINT OF THE SLOT LENGTHS.
4. TIGHTEN THE FASTENERS SNUG (HARDWARE IS NOT LOOSE AND CANNOT BE MOVED WITH FINGER PRESSURE) AND LOOSEN 1/2 TURN SO THAT THE WEAR STRIP CAN EXPAND AND CONTRACT UNDER ENVIRONMENTAL VARIATIONS. REPEAT PROCESS THROUGH THE TANK TOWARDS TAIL SHAFT.
5. **FOR OPPOSITE SIDE OF TANK:** THE WEAR STRIP SPLICES (GAPS) **MUST NOT** BE AT THE SAME LONGITUDINAL POSITION ACROSS THE TANK. CUT THE STARTING PIECE OF WEAR STRIP 6" FROM THE HOLE SIDE OF THE WEAR STRIP TO BEGIN THE OFFSET. FIELD DRILL NEW STARTER HOLE AS SHOWN IN DETAIL "A" THIS SHEET.
6. PLEASE REFER TO THE OPERATION AND MAINTENANCE MANUAL FOR ADDITIONAL DETAILS.

| INSTALLATION GAP BY INSTALLATION TEMPERATURE RANGE |                             |
|----------------------------------------------------|-----------------------------|
| AVERAGE TEMPERATURE                                | WEAR STRIP INSTALLATION GAP |
| LESS THAN 30°F [-1°C]                              | 3/4"                        |
| 31°F - 84°F [0°C - 28°C]                           | 1/2"                        |
| GREATER THAN 85°F [29°C]                           | 1/4"                        |

USE THIS DETAIL IF WEARSTRIP CL. FALLS ON STEEL PLATE / T-RAIL



## INSTALLATION NOTES:

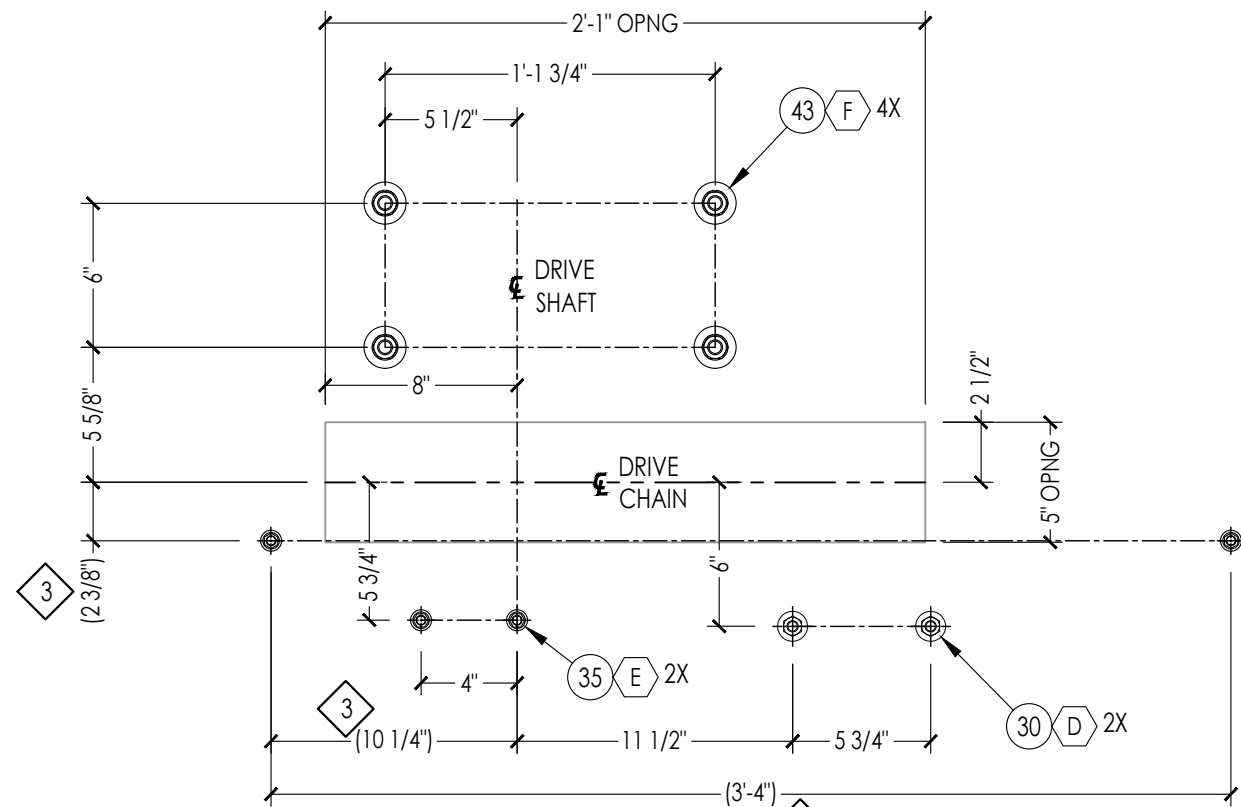
1. THE ORIENTATION OF THE WEAR STRIP IS CRITICAL AND SHOULD BE ORIENTED IN THE DIRECTION OF TRAVEL. FLOOR WEAR STRIPS ARE INSTALLED WITH THE ROUND HOLE TOWARDS THE TAIL SHAFT.
2. STARTING AT THE EDGE OF THE FLOOR, LOCATE THE EDGE OF WEAR STRIP FLUSH WITH THE EDGE OF THE T-RAIL AS SHOWN IN THE TANK OR BASIN SECTION VIEWS IN THESE DRAWINGS.
3. ANY WASHER WELDED IN THE WEAR STRIP SLOTS SHOULD BE POSITIONED AT THE MIDPOINT OF THE SLOT LENGTHS.
4. **FOR OPPOSITE SIDE OF TANK:** THE WEAR STRIP SPLICES (GAPS) **MUST NOT** BE AT THE SAME LONGITUDINAL POSITION ACROSS THE TANK. CUT THE STARTING PIECE OF WEAR STRIP 6" FROM THE HOLE SIDE OF THE WEAR STRIP TO BEGIN THE OFFSET. FIELD DRILL NEW STARTER HOLE AS SHOWN IN DETAIL "A" THIS SHEET.
5. PLEASE REFER TO THE OPERATION AND MAINTENANCE MANUAL FOR ADDITIONAL DETAILS.

### RECOMMENDATIONS FOR WELDING CONICAL WASHERS TO CARBON STEEL TRACK ANGLES

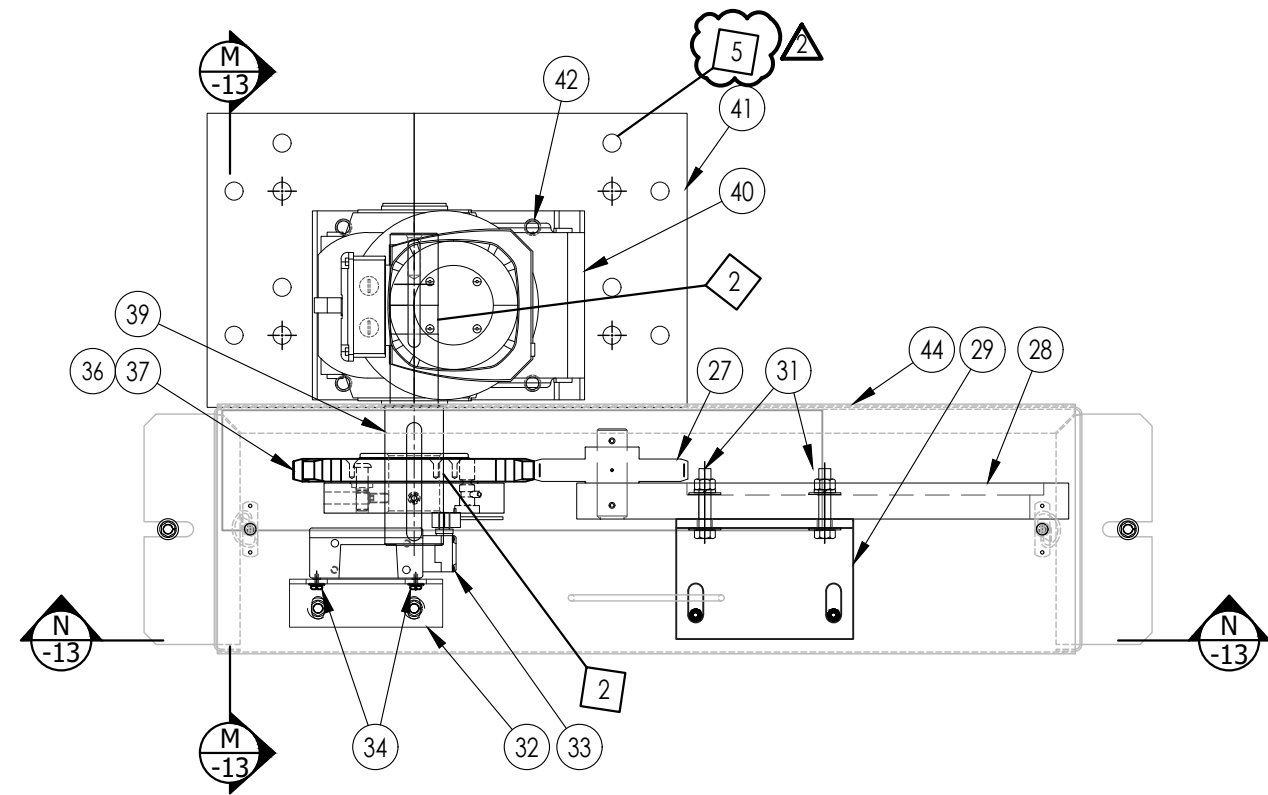
1. ARC WELDING IS NOT RECOMMENDED.
2. USE A MINI-MIG WELDER WITH FLUX CORED STAINLESS STEEL 309 WIRE, 0.030 INCH DIAMETER.
3. THE WELD JOINT MUST BE MADE WITH THE WELD WASHER SEATED FLAT AGAINST THE HOST METAL.
4. WATER SHOULD BE USED TO PREVENT EXCESS HEAT BUILD UP FROM COMPROMISING THE UHMW-PE WEAR STRIP.
5. THE INSTALLED WEAR STRIP SHOULD BE ABLE TO EXPAND AND CONTACT UNDER ENVIRONMENTAL VARIATIONS..

\*DAMAGE TO THE WEARSTRIP OR IMPROPER INSTALLATION IS NOT THE RESPONSIBILITY OF BRENTWOOD.

|                 |                                                                     |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                      |  |                                                                                       |                             |                                                              |  |           |
|-----------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------|--|-----------|
|                 |                                                                     |  | STATUS<br>ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | PROJECT TITLE<br>INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT<br>NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3 |  |                                                                                       |                             |                                                              |  |           |
|                 |                                                                     |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                      |  |                                                                                       |                             |                                                              |  |           |
| 2               | FLOOR ANCHOR UPDATED TO HILTI HUD-2 PER REVIEW COMMENTS BY ENGINEER |                                                                                       | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br><small>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</small> |  |                                                                                                                      |  | DRAWN<br>RHP<br>24 Jul 23                                                             | CHECKER<br>BSC<br>11 Jul 24 | DRAWING TITLE<br>DETAIL SHEET: FLOOR WEAR STRIP INSTALLATION |  |           |
| 2               | DETAIL AND CALLOUTS UPDATED PER REVIEW COMMENTS BY ENGINEER         |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                      |  |                                                                                       |                             |                                                              |  |           |
| REV             | DESCRIPTION                                                         |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | SCALE<br>NTS                                                                                                         |  |  | SHEET<br>11 of 20           | DRAWING NUMBER<br>WGZ0067002 – 11                            |  | REV<br>04 |
| SHEET REVISIONS |                                                                     |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                      |  |                                                                                       |                             |                                                              |  |           |



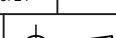
**ANCHOR PLAN**  
SEE SHEET: -03 SCALE: 1 1/2" = 1'-0"

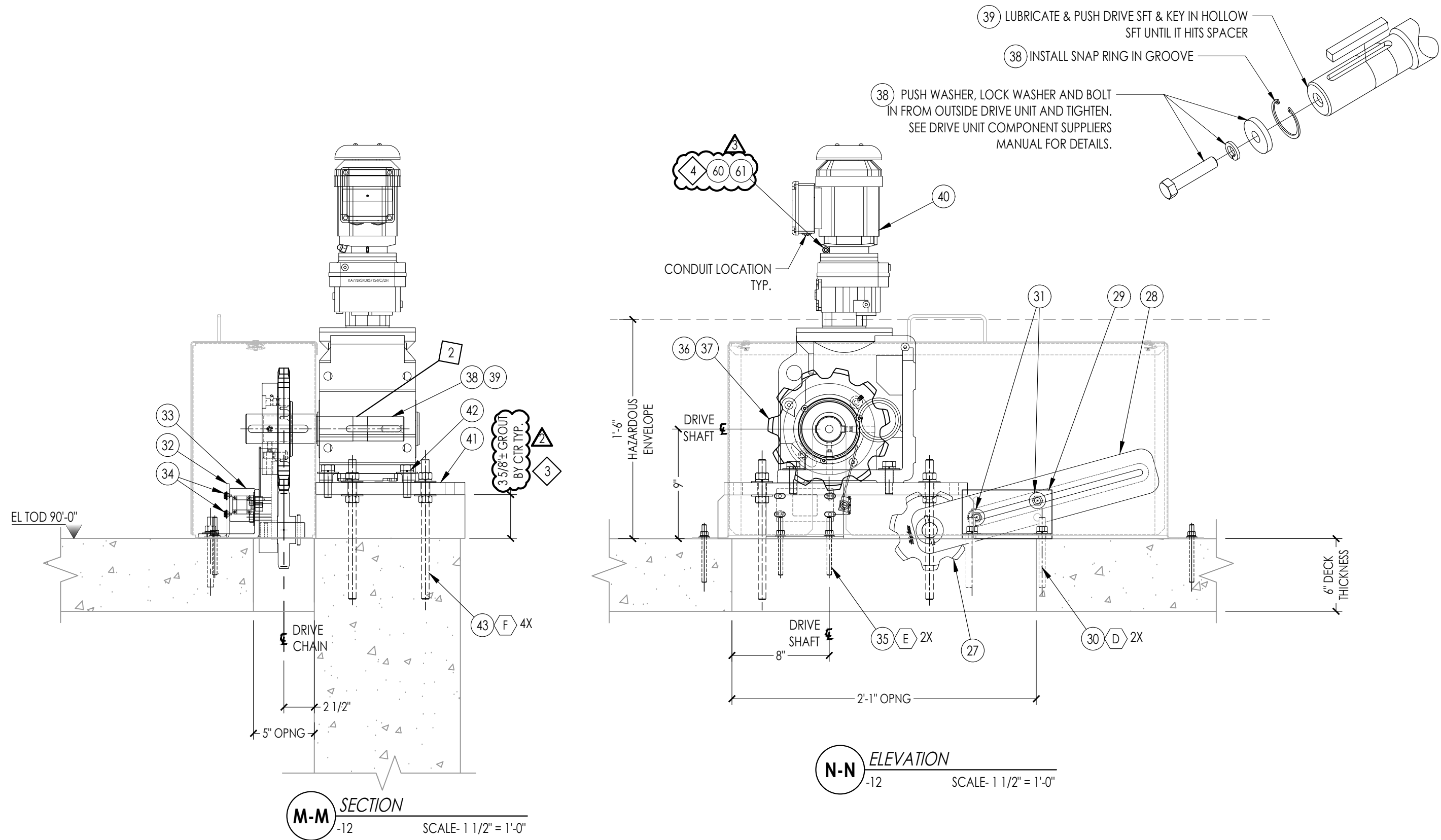


**EQUIPMENT PLAN**  
SEE SHEET: -03 SCALE: 1 1/2" = 1'-0"

**NOTES:**

1. DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
2. SEE GENERAL NOTE 7, SHEET -02.
3. DIMENSIONS ARE FOR REFERENCE ONLY. FIELD LOCATE AND DRILL CHAIN GUARD ANCHORS AFTER FINAL ALIGNMENT OF DRIVE EQUIPMENT.
4. CONTRACTOR TO REMOVE EXISTING DRIVE, DRIVE BASE, DRIVE PAD AND/OR ANY GROUT, AS WELL AS RESTORE THE SURFACE OF THE EXISTING CONCRETE SLAB TO A LEVEL, BROOM FINISH, BEFORE INSTALLING NEW DRIVE COMPONENTS AS SHOWN ABOVE.
5. ALTERNATE PRE-FABRICATED HOLES SHALL BE USED BY THE CONTRACTOR AS NECESSARY TO AVOID CUTTING THRU REBAR IN THE DECK.

|                                                                                      |                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |           |                                                                                       |                                                         |                 |     |
|--------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------|---------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------|-----|
|                                                                                      |                                            |  | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PROJECT TITLE                                    |           |                                                                                       |                                                         |                 |     |
|                                                                                      |                                            |                                                                                       | ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |           |                                                                                       |                                                         |                 |     |
|                                                                                      |                                            |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NANAIMO PST 1-3 & GRIT 1-3, BC                   |           |                                                                                       |                                                         |                 |     |
|                                                                                      |                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | GRIT TANK 1-3                                    |           |                                                                                       |                                                         |                 |     |
|  | NOTE ADDED PER REVIEW COMMENTS BY ENGINEER |                                                                                       | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br><small>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</small> |                                                  | DRAWN     | CHECKER                                                                               | DRAWING TITLE                                           |                 |     |
| REV                                                                                  | DESCRIPTION                                |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | RHP       | BSC                                                                                   | DRIVE UNIT LAYOUT: LONGITUDINAL PLAN VIEWS - TANK T-112 |                 |     |
|                                                                                      |                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | 24 Jul 23 | 11 Jul 24                                                                             |                                                         |                 |     |
|                                                                                      |                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  |           |                                                                                       |                                                         |                 |     |
| SHEET REVISIONS                                                                      |                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | SCALE     |  | SHEET                                                   | DRAWING NUMBER  | REV |
|                                                                                      |                                            |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                  | AS NOTED  |                                                                                       | 12 of 20                                                | WGZ0067002 – 12 | 04  |



# NOTES:

- DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
- SEE GENERAL NOTE 7, SHEET -02.
- PER THE ENGINEER, GROUT SHALL BE AGGREGATE CONTAINING PRODUCT, 3,000 PSI MIN.
- CONTRACTOR TO USE THE RING SUPPLIED WITH THE GEAR REDUCER TO ATTACH TAGS.

| REV             | DESCRIPTION                                                              |
|-----------------|--------------------------------------------------------------------------|
| 3               | BALLONS AND NOTE 4 ADDED                                                 |
| 2               | NOTE 3 ADDED PER REVIEW COMMENTS BY ENGINEER                             |
| 2               | DIMENSION & BASE PLATE THICKNESS UPDATED PER REVIEW COMMENTS BY ENGINEER |
| SHEET REVISIONS |                                                                          |

**Polychem**

CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.

(HEREINAFTER KNOWN AS, "BRENTWOOD")

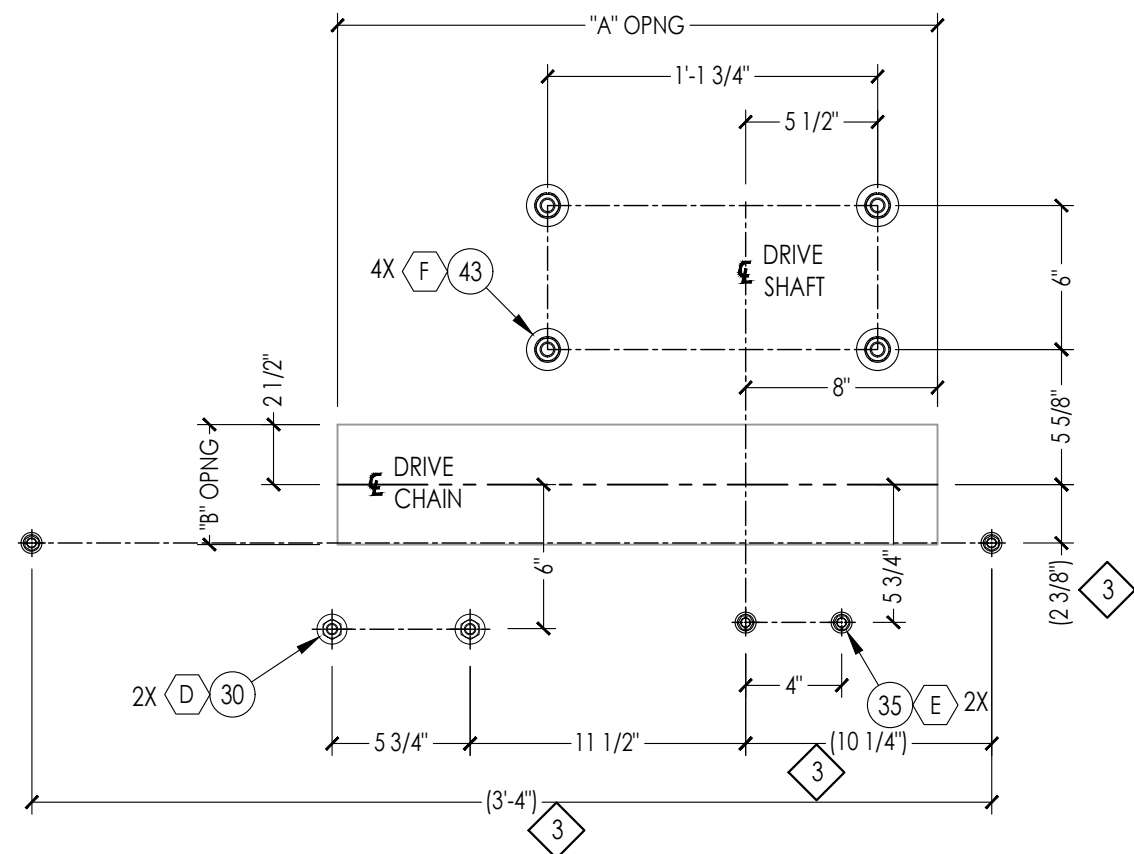
NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. \*POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.

STATUS  
ISSUED FOR  
INSTALLATION  
ISO-9001  
REGISTERED

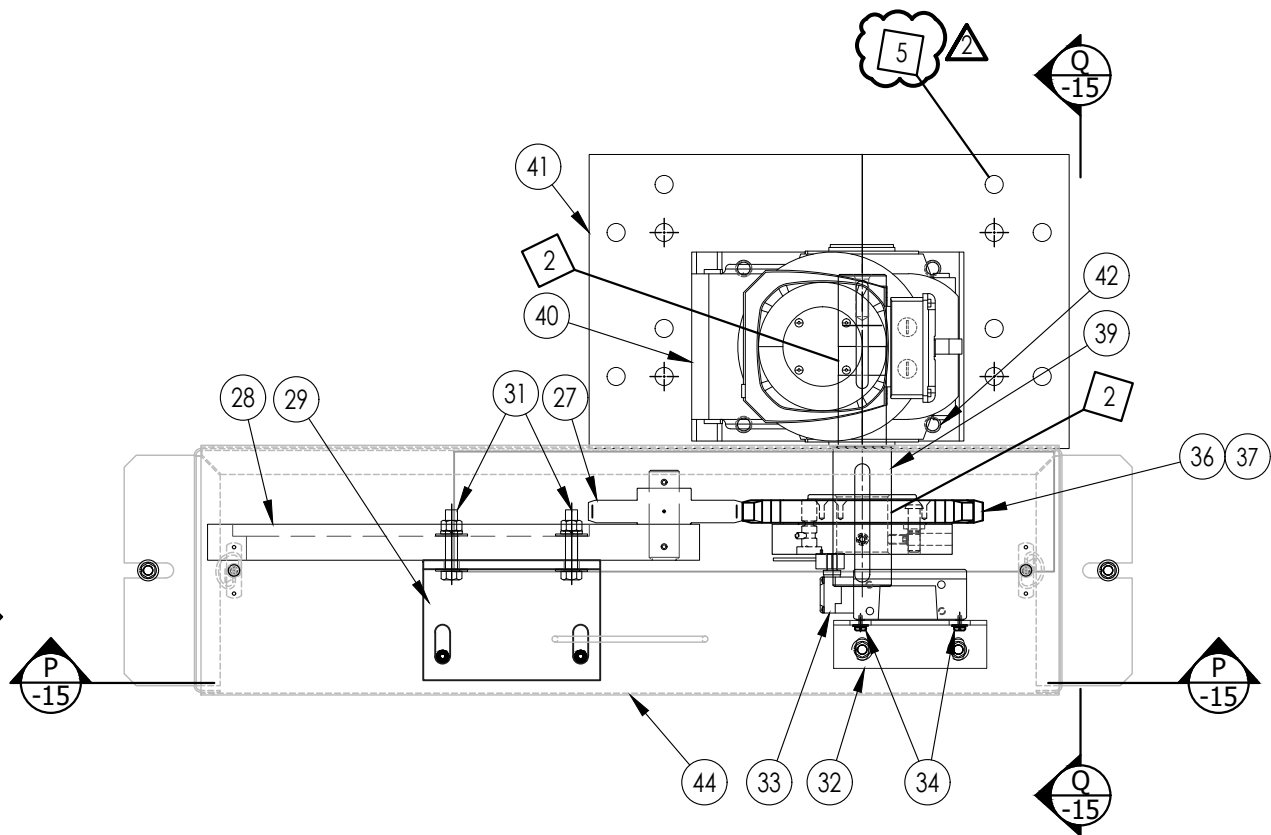
PROJECT TITLE  
INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT  
NANAIMO PST 1-3 & GRIT 1-3, BC  
GRIT TANK 1-3

DRAWN RHP 24 Jul 23  
CHECKER BSC 11 Jul 24  
DRAWING TITLE  
DRIVE UNIT LAYOUT: LONGITUDINAL SECTIONS & ELEVATIONS - TANK T-112

SCALE AS NOTED  
SHEET 13 of 20  
DRAWING NUMBER WGZ0067002 - 13  
REV 04



**ANCHOR PLAN**  
SEE SHEET: -03 SCALE: 1 1/2" = 1'-0"

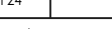


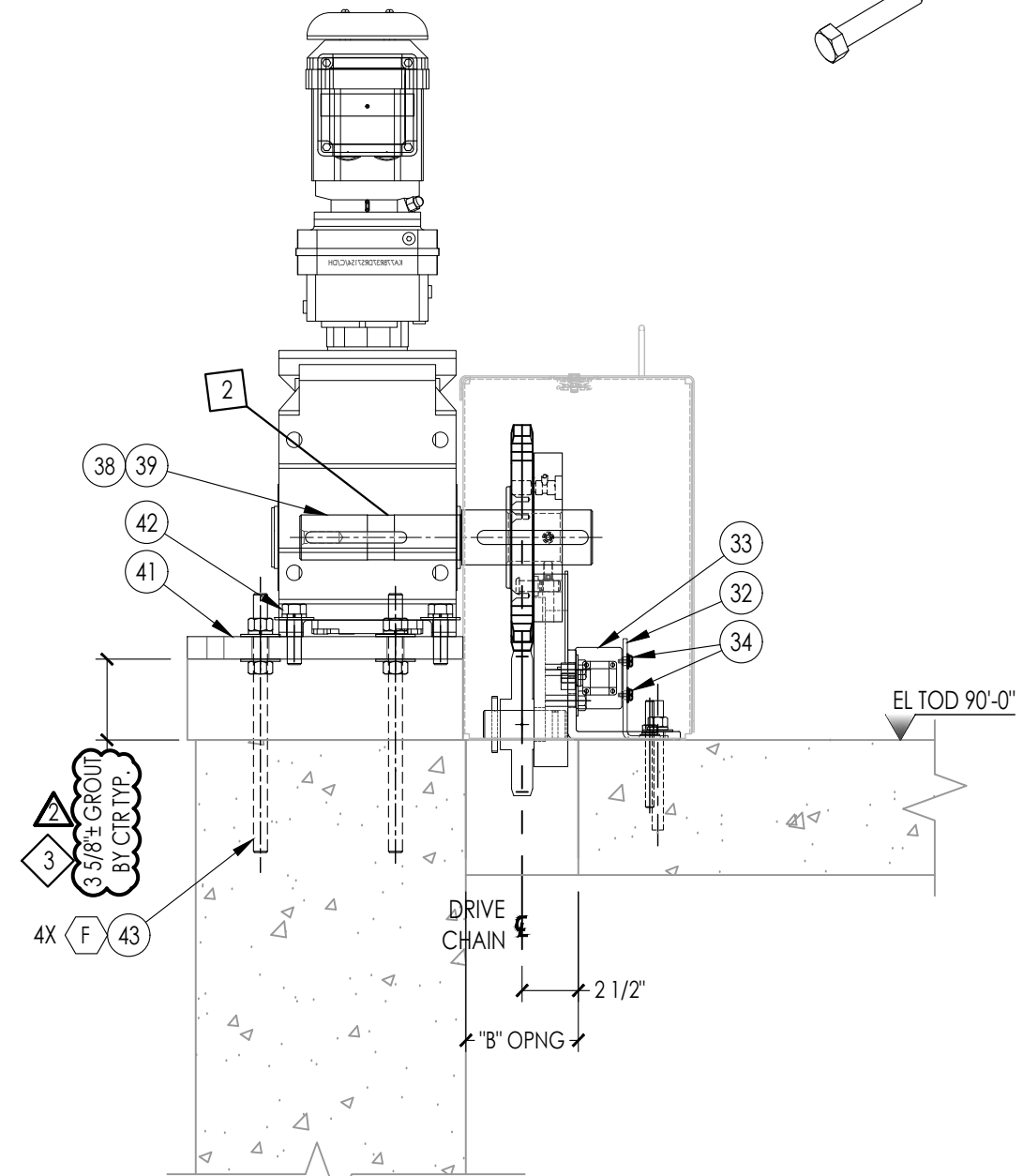
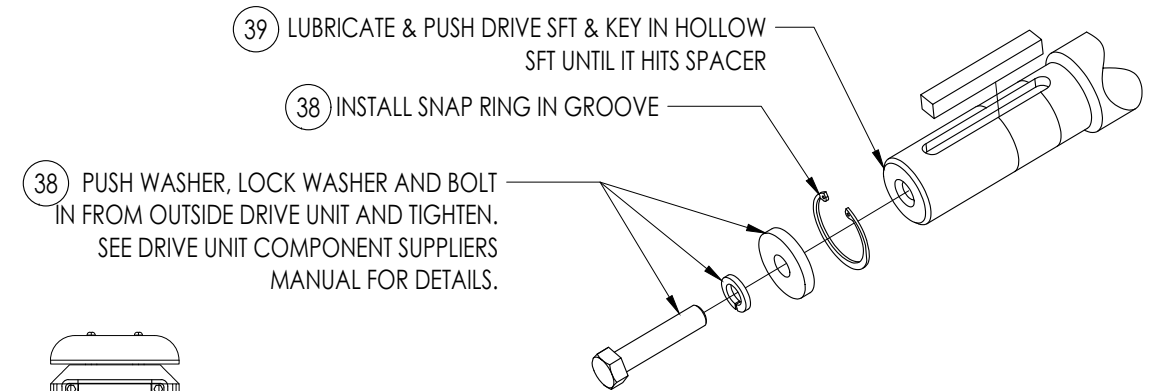
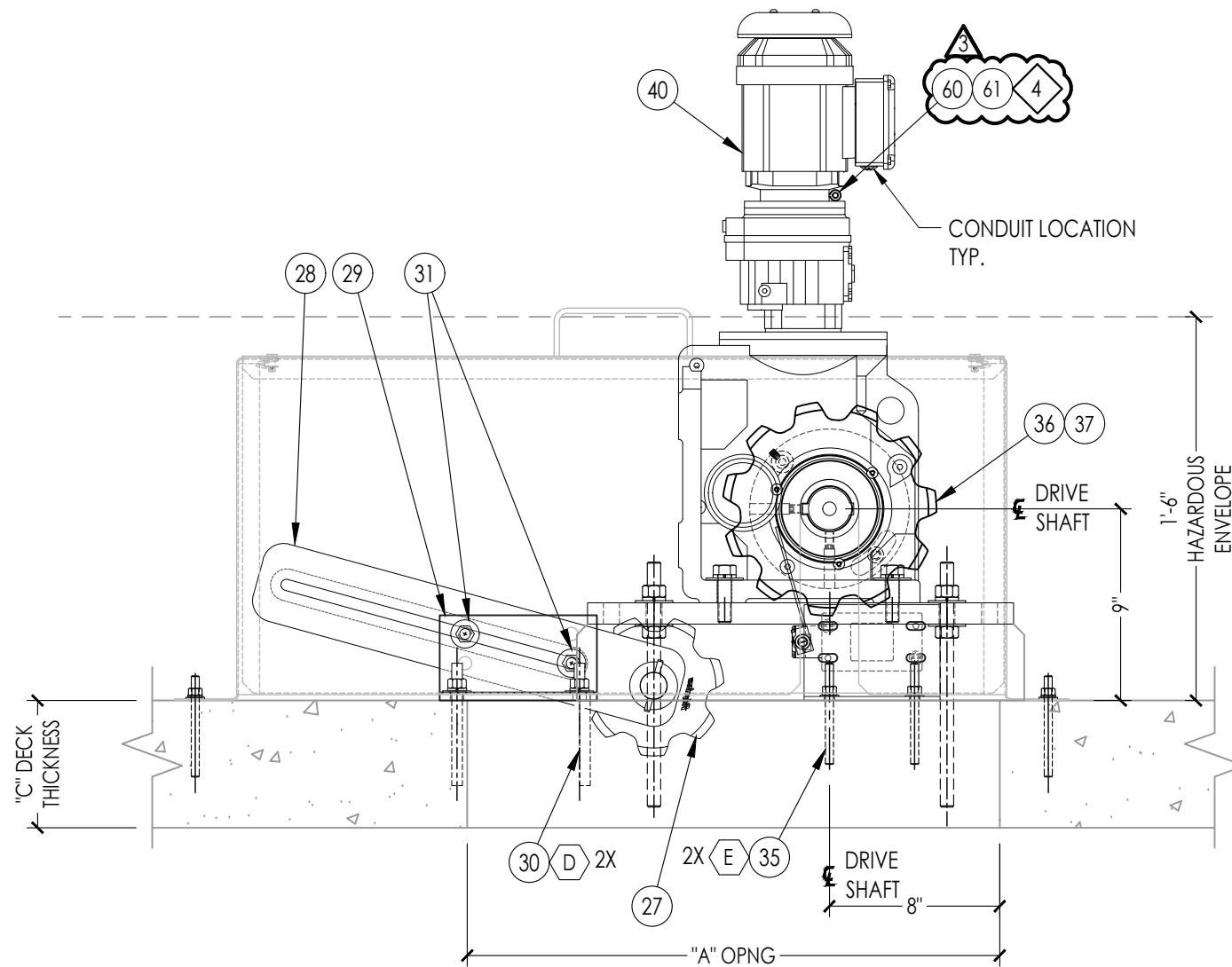
**EQUIPMENT PLAN**  
SEE SHEET: -03 SCALE: 1 1/2" = 1'-0"

| DIMENSION "___" |       |    |
|-----------------|-------|----|
| TANK            | A     | B  |
| T-111           | 2'-1" | 5" |
| T-113           | 3'-0" | 6" |

**NOTES:**

- DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
- SEE GENERAL NOTE 7, SHEET -02.
- DIMENSIONS ARE FOR REFERENCE ONLY. FIELD LOCATE AND DRILL CHAIN GUARD ANCHORS AFTER FINAL ALIGNMENT OF DRIVE EQUIPMENT.
- CONTRACTOR TO REMOVE EXISTING DRIVE, DRIVE BASE, DRIVE PAD AND/OR ANY GROUT, AS WELL AS RESTORE THE SURFACE OF THE EXISTING CONCRETE SLAB TO A LEVEL, BROOM FINISH, BEFORE INSTALLING NEW DRIVE COMPONENTS AS SHOWN ABOVE.
- ALTERNATE PRE-FABRICATED HOLES SHALL BE USED BY THE CONTRACTOR AS NECESSARY TO AVOID CUTTING THRU REBAR IN THE DECK.

|                                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |           |                                                                                       |                                                                 |                 |     |  |
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|                                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STATUS                     |           | PROJECT TITLE                                                                         |                                                                 |                 |     |  |
|                                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ISSUED FOR<br>INSTALLATION |           | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT                                      |                                                                 |                 |     |  |
|                                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ISO-9001<br>REGISTERED     |           | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3                                       |                                                                 |                 |     |  |
|  | NOTE ADDED PER REVIEW COMMENTS BY ENGINEER | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br><small>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</small> |                            | DRAWN     | CHECKER                                                                               | DRAWING TITLE                                                   |                 |     |  |
| REV                                                                                  | DESCRIPTION                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            | RHP       | BSC                                                                                   | DRIVE UNIT LAYOUT: LONGITUDINAL PLAN VIEWS - TANK T-111 & T-113 |                 |     |  |
|                                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            | 24 Jul 23 | 11 Jul 24                                                                             |                                                                 |                 |     |  |
| SHEET REVISIONS                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            | SCALE     |  | SHEET                                                           | DRAWING NUMBER  | REV |  |
|                                                                                      |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            | AS NOTED  |                                                                                       | 14 of 20                                                        | WGZ0067002 – 14 | 04  |  |



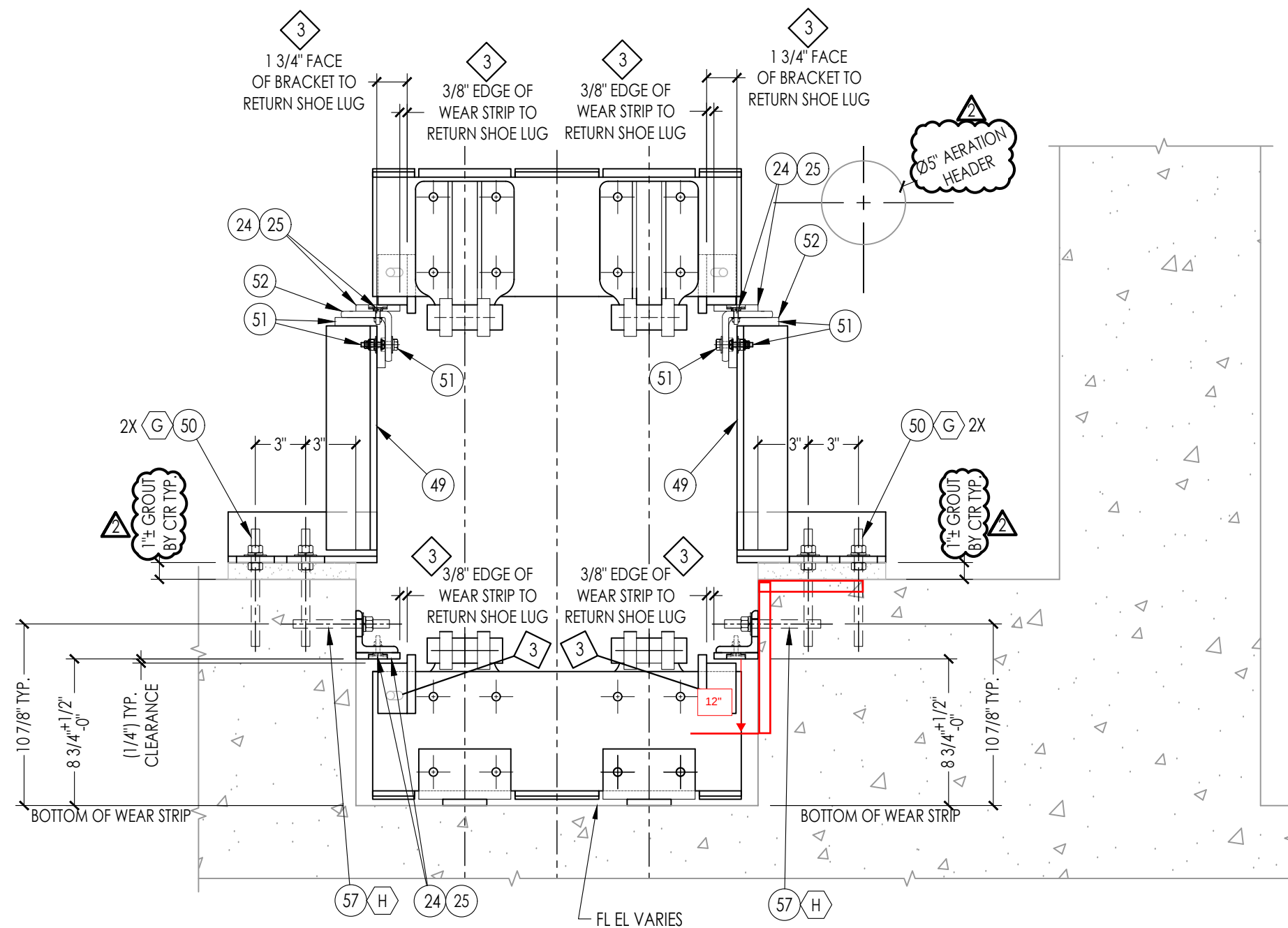
| DIMENSION " _ " |       |    |    |
|-----------------|-------|----|----|
| TANK            | A     | B  | C  |
| T-111           | 2'-1" | 5" | 6" |
| T-113           | 3'-0" | 6" | 8" |

**P-P** ELEVATION  
-14 SCALE- 1 1/2" = 1'-0"

**Q-Q** SECTION  
-14 SCALE- 1 1/2" = 1'-0"

- NOTES:
- DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
  - SEE GENERAL NOTE 7, SHEET -02.
  - PER THE ENGINEER, GROUT SHALL BE AGGREGATE CONTAINING PRODUCT, 3,000 PSI MIN.
  - CONTRACTOR TO USE THE RING SUPPLIED WITH THE GEAR REDUCER TO ATTACH TAGS.

|     |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |                                                                                       |  |                                                                            |  |                 |  |     |  |
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|     |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | STATUS                     |  | PROJECT TITLE                                                                         |  |                                                                            |  |                 |  |     |  |
|     |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ISSUED FOR<br>INSTALLATION |  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT                                      |  |                                                                            |  |                 |  |     |  |
|     |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 150-9001<br>REGISTERED     |  | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3                                       |  |                                                                            |  |                 |  |     |  |
|     |                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                            |  |                                                                                       |  |                                                                            |  |                 |  |     |  |
| 3   | BALLONS AND NOTE 4 ADDED                                                 | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED. | DRAWN                      |  | CHECKER                                                                               |  | DRAWING TITLE                                                              |  |                 |  |     |  |
| 2   | NOTE 3 ADDED PER REVIEW COMMENTS BY ENGINEER                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RHP                        |  | BSC                                                                                   |  | DRIVE UNIT LAYOUT: LONGITUDINAL SECTIONS & ELEVATIONS - TANK T-111 & T-113 |  |                 |  |     |  |
| 2   | DIMENSION & BASE PLATE THICKNESS UPDATED PER REVIEW COMMENTS BY ENGINEER |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24 Jul 23                  |  | 11 Jul 24                                                                             |  |                                                                            |  |                 |  |     |  |
| REV | DESCRIPTION                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SCALE                      |  |  |  | SHEET                                                                      |  | DRAWING NUMBER  |  | REV |  |
|     | SHEET REVISIONS                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | AS NOTED                   |  |                                                                                       |  | 15 of 20                                                                   |  | WGZ0067002 – 15 |  | 04  |  |
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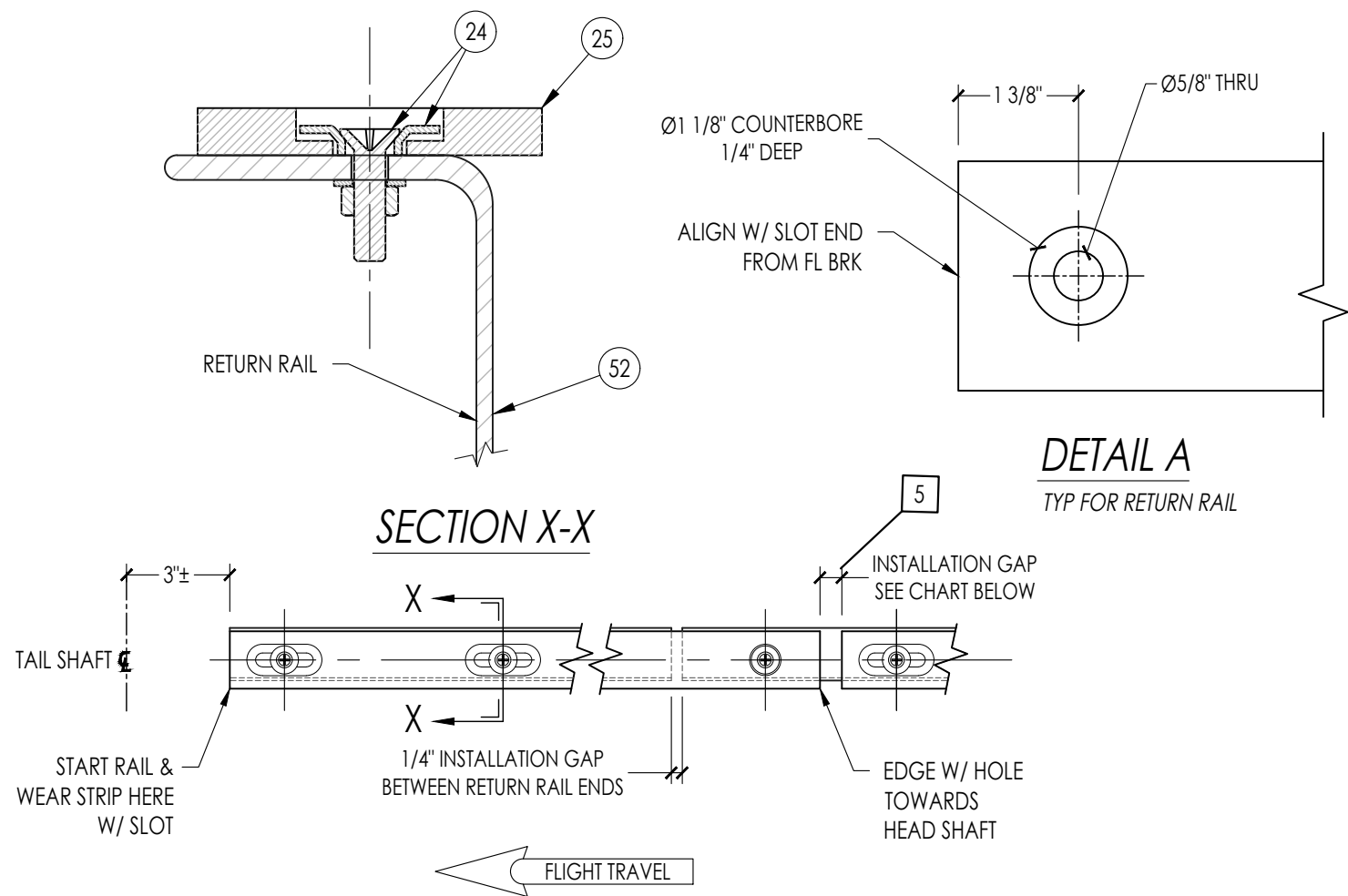
**A** TYP WALL BRKT- RETURN RAIL & HOLD DOWN RAIL (TANK 1 & 2) <sup>4</sup>  
 -07, -09 SCALE- 1 1/2" = 1'-0"

**NOTES:**

- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO ADJUST RAIL HOLD DOWN RAIL HEIGHT AT TIME OF INSTALLATION, TO SUIT OPERATION OF THE COLLECTOR WITHOUT BINDING.
- CONTRACTOR TO ADJUST SLOTTED RETURN SHOES <sup>2</sup> WITH SLOTS PROVIDED IN SHOES TO MAINTAIN A NOMINAL 3/8" GAP FROM THE LUG TO THE WEARSTRIP, ALONG THE HOLD DOWN RAIL. ADJUST LOWER RETURN RAIL BRACKET BASED ON FINAL POSITION OF THE LUG SHOES. INSTALL WEARSTRIP BASED ON FINAL POSITION OF THE LUG SHOES, TO MAINTAIN A NOMINAL 3/8" GAP.
- EQUIPMENT LOCATIONS SHOWN WITHIN THIS I&L SET ASSUMES ALL T-RAILS/STEEL PLATES ARE/WILL BE FLUSH WITH THE TANK FLOOR, SUCH THAT THE TANK FLOOR CAN BE CONSIDERED THE DATUM FOR INSTALLING ANCHORS.

|                 |                                                               |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |                                                                                       |                   |                                   |           |  |
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|                 |                                                               |  | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PROJECT TITLE                                    |                                                                                       |                   |                                   |           |  |
|                 |                                                               |                                                                                       | ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |                                                                                       |                   |                                   |           |  |
|                 |                                                               |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NANAIMO PST 1-3 & GRIT 1-3, BC                   |                                                                                       |                   |                                   |           |  |
|                 |                                                               |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | GRIT TANK 1-3                                    |                                                                                       |                   |                                   |           |  |
| 4               | TANK 3 DETAILS REMOVED FROM THIS SHEET AND ADDED IN SHEET -20 |                                                                                       | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED. |                                                  |                                                                                       |                   |                                   |           |  |
| 2               | DIMENSION & NOTE UPDATED PER REVIEW COMMENTS BY ENGINEER      |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |                                                                                       |                   |                                   |           |  |
| REV             | DESCRIPTION                                                   |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |                                                                                       |                   |                                   |           |  |
| SHEET REVISIONS |                                                               |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                  |                                                                                       |                   |                                   |           |  |
|                 |                                                               |                                                                                       | DRAWN<br>RHP<br>24 Jul 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CHECKER<br>BSC<br>11 Jul 24                      | DRAWING TITLE<br>DETAIL A: TYP WALL BRKT- RETURN RAIL & HOLD DOWN RAIL (TANK 1 & 2)   |                   |                                   |           |  |
|                 |                                                               |                                                                                       | SCALE<br>1 1/2" = 1'-0"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |  | SHEET<br>16 of 20 | DRAWING NUMBER<br>WGZ0067002 – 16 | REV<br>04 |  |

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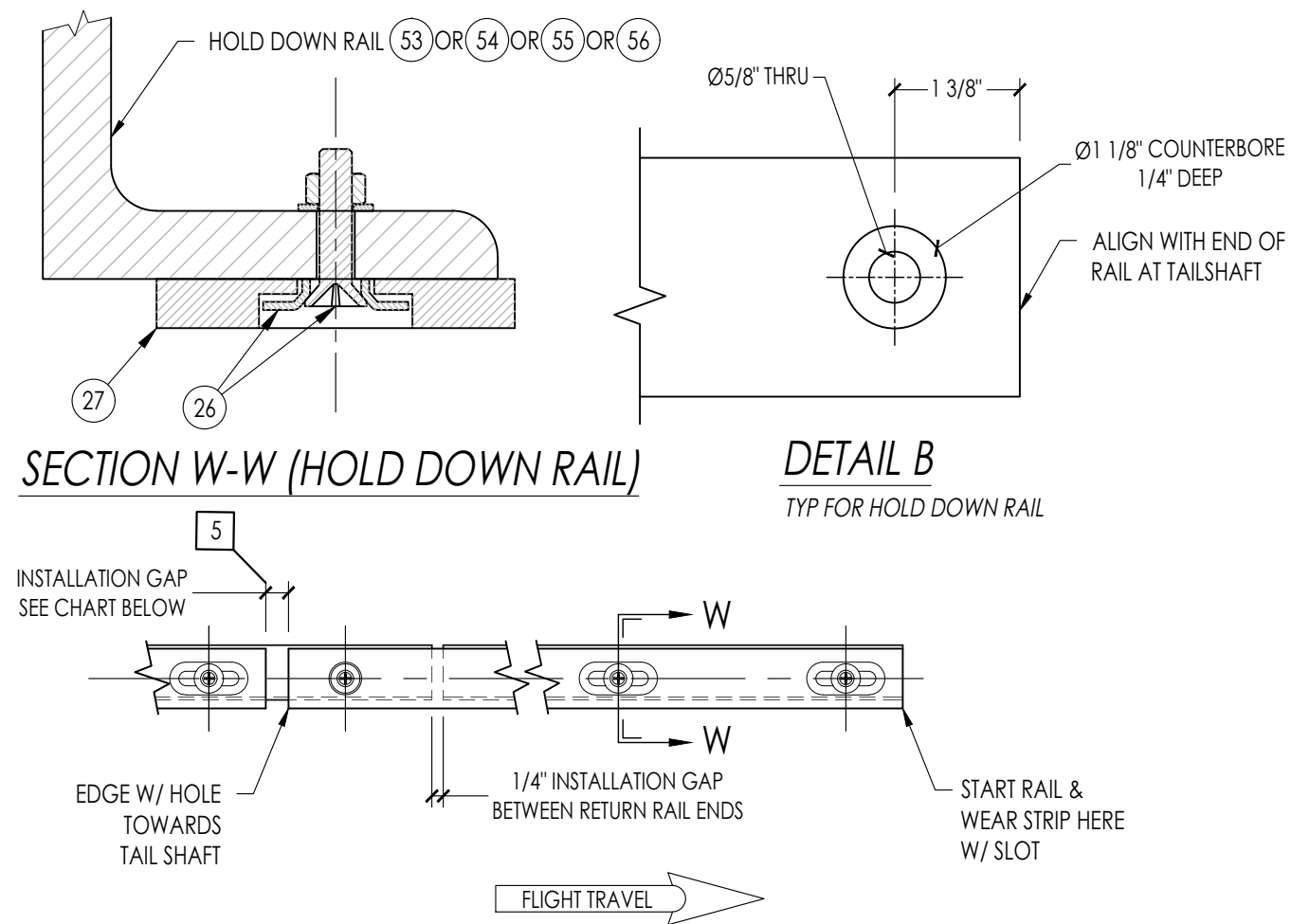


## INSTALLATION NOTES:

1. THE ORIENTATION OF THE WEAR STRIP IS CRITICAL AND SHOULD BE ORIENTED IN THE DIRECTION OF TRAVEL. RETURN RAIL WEAR STRIPS ARE INSTALLED WITH THE ROUND HOLE TOWARDS HEAD SHAFT.
2. STARTING AT THE TAIL SHAFT END OF THE RETURN RAIL, LOCATE THE EDGE OF THE WEAR STRIP FROM THE THEORETICAL CENTERLINE AS SHOWN IN THE TANK OR TANK SECTION VIEWS IN THESE DRAWINGS.
3. USING WEAR STRIP AS A GUIDE, LOCATE & DRILL 3/8" HOLES THRU THE RETURN RAIL ANGLE. ANY HOLE LOCATED IN THE WEAR STRIP SLOTS SHOULD BE POSITIONED AT THE MIDPOINT OF THE SLOT LENGTHS.
4. TIGHTEN THE FASTENERS SNUG (HARDWARE IS NOT LOOSE AND CANNOT BE MOVED WITH FINGER PRESSURE) AND LOOSEN 1/2 TURN SO THAT THE WEAR STRIP CAN EXPAND AND CONTACT UNDER ENVIRONMENTAL VARIATIONS. REPEAT PROCESS THROUGH THE TANK TOWARDS THE UPPER IDLER.
5. **FOR OPPOSITE SIDE OF TANK:** THE WEAR STRIP SPLICES (GAPS) **MUST NOT** BE AT THE SAME LONGITUDINAL POSITION ACROSS THE TANK. CUT THE STARTING PIECE OF WEAR STRIP 6" FROM THE HOLE SIDE OF THE WEAR STRIP TO BEGIN THE OFFSET. FIELD DRILL NEW STARTER HOLE AS SHOWN IN DETAIL "A" THIS SHEET.
6. PLEASE REFER TO THE OPERATION AND MAINTENANCE MANUAL FOR FOR ADDITIONAL DETAILS.

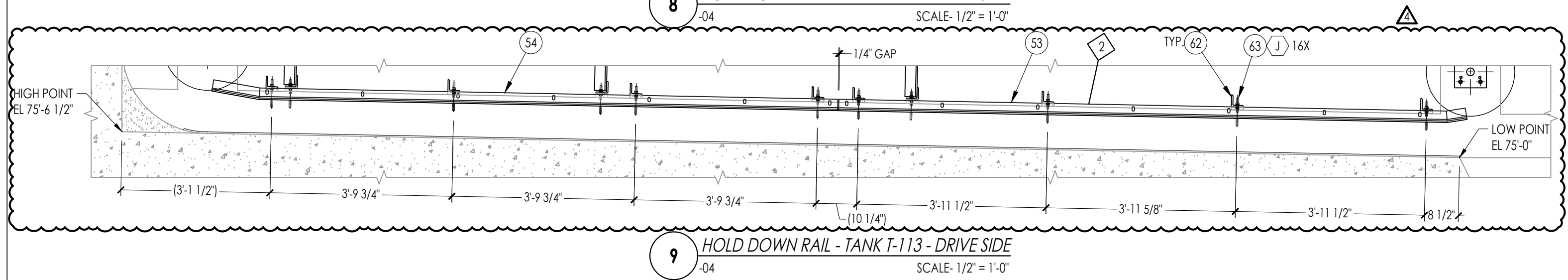
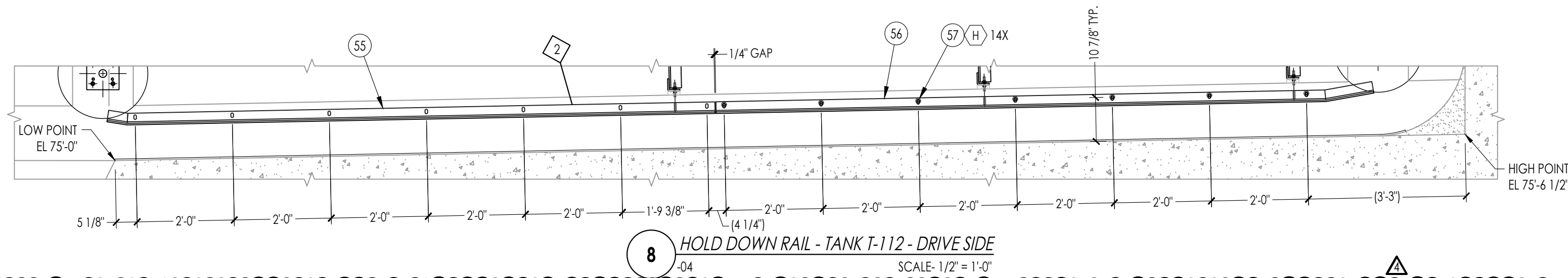
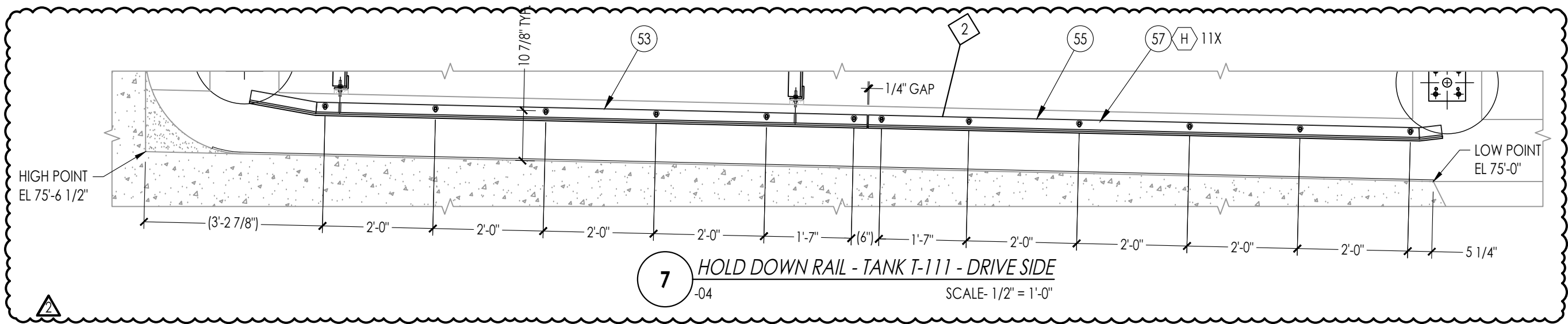
| INSTALLATION GAP BY INSTALLATION TEMPERATURE RANGE |                             |
|----------------------------------------------------|-----------------------------|
| AVERAGE TEMPERATURE                                | WEAR STRIP INSTALLATION GAP |
| LESS THAN 30°F [-1°C]                              | 3/4"                        |
| 31°F - 84°F [0°C - 28°C]                           | 1/2"                        |
| GREATER THAN 85°F [29°C]                           | 1/4"                        |

|                                                                                      |                                                 |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                       |           |                 |                                                   |     |  |
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|                                                                                      |                                                 |  | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | PROJECT TITLE                                                                         |           |                 |                                                   |     |  |
|                                                                                      |                                                 |                                                                                       | ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT                                      |           |                 |                                                   |     |  |
|                                                                                      |                                                 |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3                                       |           |                 |                                                   |     |  |
|  | CALLOUT UPDATED PER REVIEW COMMENTS BY ENGINEER |                                                                                       | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.</b><br><b>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br><small>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</small> |  |                                                                                       | DRAWN     | CHECKER         | DRAWING TITLE                                     |     |  |
| REV                                                                                  | DESCRIPTION                                     |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                       | RHP       | BSC             | DETAIL SHEET: RETURN RAIL WEAR STRIP INSTALLATION |     |  |
|                                                                                      |                                                 |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                                                       | 24 Jul 23 | 11 Jul 24       |                                                   |     |  |
| SHEET REVISIONS                                                                      |                                                 |                                                                                       | SCALE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | SHEET     | DRAWING NUMBER  |                                                   | REV |  |
|                                                                                      |                                                 |                                                                                       | NTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                       | 17 of 20  | WGZ0067002 – 17 |                                                   | 04  |  |



## INSTALLATION NOTES:

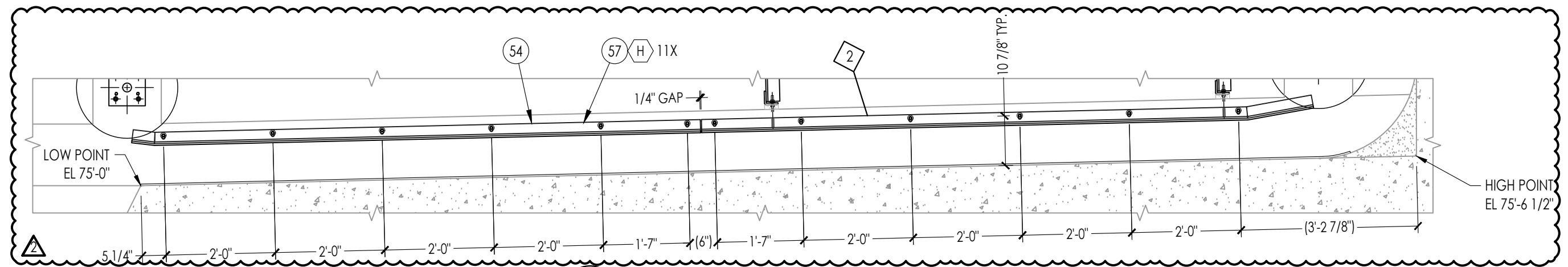
1. THE ORIENTATION OF THE WEAR STRIP IS CRITICAL AND SHOULD BE ORIENTED IN THE DIRECTION OF TRAVEL. HOLD DOWN RAIL WEAR STRIPS ARE INSTALLED WITH THE ROUND HOLE TOWARDS TAIL SHAFT.
2. STARTING AT THE LOWER IDLER END OF THE HOLD DOWN RAIL, LOCATE THE EDGE OF THE WEAR STRIP FROM THE THEORETICAL CENTERLINE AS SHOWN IN THE TANK OR TANK SECTION VIEWS IN THESE DRAWINGS.
3. USING WEAR STRIP AS A GUIDE, LOCATE & DRILL 3/8" HOLES THRU THE HOLD DOWN RAIL ANGLE. ANY HOLE LOCATED IN THE WEAR STRIP SLOTS SHOULD BE POSITIONED AT THE MIDPOINT OF THE SLOT LENGTHS.
4. TIGHTEN THE FASTENERS SNUG (HARDWARE IS NOT LOOSE AND CANNOT BE MOVED WITH FINGER PRESSURE) AND LOOSEN 1/2 TURN SO THAT THE WEAR STRIP CAN EXPAND AND CONTACT UNDER ENVIRONMENTAL VARIATIONS. REPEAT PROCESS THROUGH THE TANK TOWARDS THE UPPER IDLER.
5. **FOR OPPOSITE SIDE OF TANK:** THE WEAR STRIP SPLICES (GAPS) **MUST NOT** BE AT THE SAME LONGITUDINAL POSITION ACROSS THE TANK. CUT THE STARTING PIECE OF WEAR STRIP 6" FROM THE HOLE SIDE OF THE WEAR STRIP TO BEGIN THE OFFSET. FIELD DRILL NEW STARTER HOLE AS SHOWN IN DETAIL "B" THIS SHEET.
6. PLEASE REFER TO THE OPERATION AND MAINTENANCE MANUAL FOR FOR ADDITIONAL DETAILS.



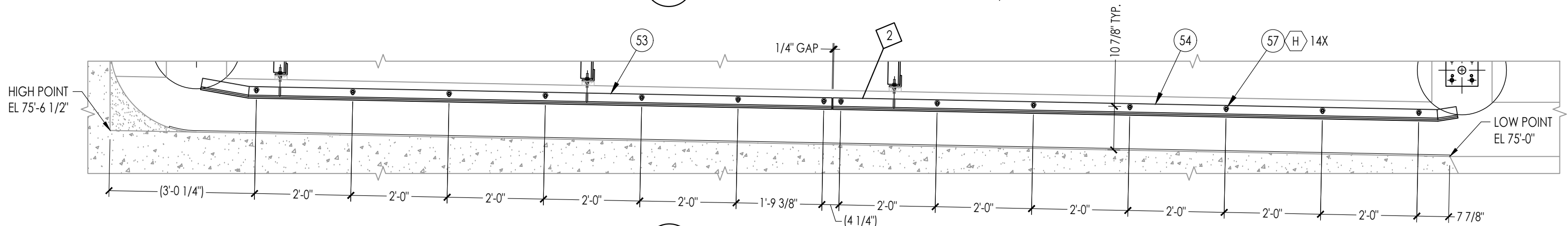
NOTES:

1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
2. HOLD DOWN RAIL TO RUN PARALLEL W/ COLLECTOR FLOOR.
3. SEE WEAR STRIP INSTALLATION DETAILS SHEET-17 FOR REQUIRED INSTALLATION GAPS. WEAR STRIP GAPS SHALL NOT OCCUR OVER THE SPICE SHOE AREA.
4. CONTRACTOR TO ADJUST RAIL HOLD DOWN RAIL HEIGHT AT TIME OF INSTALLATION, TO SUIT OPERATION OF THE COLLECTOR WITHOUT BINDING.

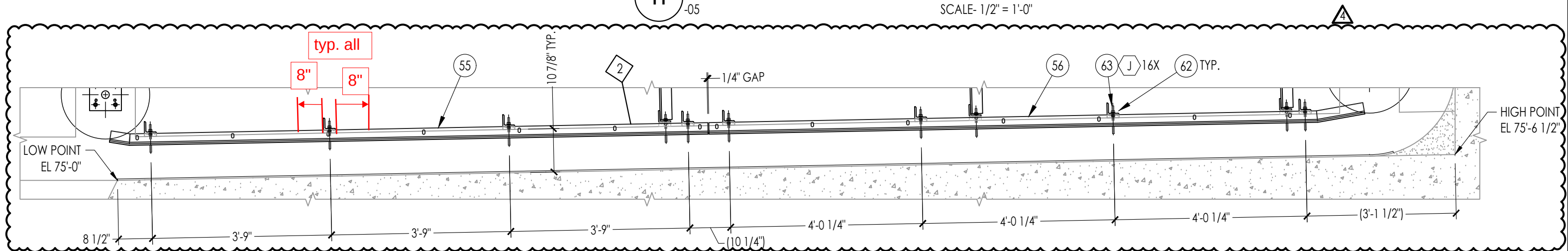
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|   |                                                                             |  | STATUS<br>ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | PROJECT TITLE<br>INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT<br>NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3 |                             |                                                             |                                                                                       |                   |                                   |
|   |                                                                             |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | DRAWN<br>RHP<br>24 Jul 23                                                                                            | CHECKER<br>BSC<br>11 Jul 24 | DRAWING TITLE<br>DETAIL SHEET: HOLD DOWN RAILS - DRIVE SIDE |                                                                                       |                   |                                   |
| 4 | TANK 3 UPDATED PER NEW WALL ELEVATION, HOLD DOWN RAIL DESIGN UPDATED        |                                                                                       | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED. |  |                                                                                                                      | SCALE<br>1/2" = 1'-0"       |                                                             |  | SHEET<br>18 of 20 | DRAWING NUMBER<br>WGZ0067002 – 18 |
| 2 | HOLD DOWN RAIL DESIGN UPDATED TO TWO PIECED PER REVIEW COMMENTS BY ENGINEER | SHEET REVISIONS                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                                                                                                      |                             |                                                             |                                                                                       |                   |                                   |



10 HOLD DOWN RAIL - TANK T-111 - NON-DRIVE SIDE  
-05 SCALE- 1/2" = 1'-0"



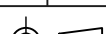
11 HOLD DOWN RAIL - TANK T-112 - NON-DRIVE SIDE  
-05 SCALE- 1/2" = 1'-0"



12 HOLD DOWN RAIL - TANK T-113 - NON-DRIVE SIDE  
-05 SCALE- 1/2" = 1'-0"

NOTES:

1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
2. HOLD DOWN RAIL TO RUN PARALLEL W/ COLLECTOR FLOOR.
3. SEE WEAR STRIP INSTALLATION DETAILS SHEET-17 FOR REQUIRED INSTALLATION GAPS. WEAR STRIP GAPS SHALL NOT OCCUR OVER THE SPICE SHOE AREA.
4. CONTRACTOR TO ADJUST RAIL HOLD DOWN RAIL HEIGHT AT TIME OF INSTALLATION, TO SUIT OPERATION OF THE COLLECTOR WITHOUT BINDING.

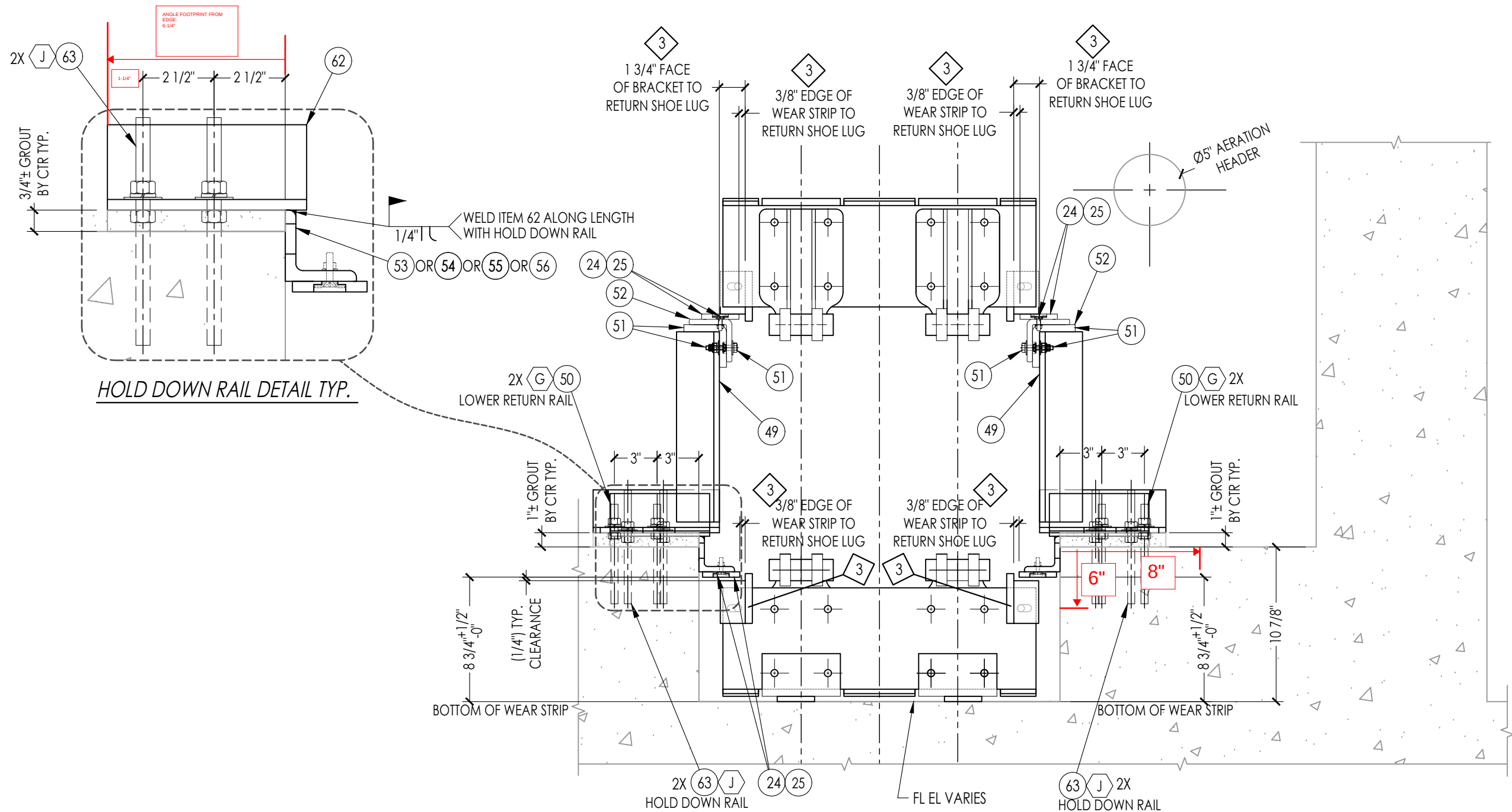
|                 |                                                                             |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                  |                                                                 |  |           |  |
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|                 |                                                                             |  | STATUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                       | PROJECT TITLE                                    |                                                                 |  |           |  |
|                 |                                                                             |                                                                                       | ISSUED FOR<br>INSTALLATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                       | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |                                                                 |  |           |  |
|                 |                                                                             |                                                                                       | ISO-9001<br>REGISTERED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                       | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3  |                                                                 |  |           |  |
| 4               | TANK 3 UPDATED PER NEW WALL ELEVATION, HOLD DOWN RAIL DESIGN UPDATED        |                                                                                       | <div>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</div> <div>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</div> |                                                                                       |                                                  |                                                                 |  |           |  |
| 2               | HOLD DOWN RAIL DESIGN UPDATED TO TWO PIECED PER REVIEW COMMENTS BY ENGINEER |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                  |                                                                 |  |           |  |
| REV             | DESCRIPTION                                                                 |                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                                  |                                                                 |  |           |  |
| SHEET REVISIONS |                                                                             |                                                                                       | DRAWN<br>RHP<br>24 Jul 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                       | CHECKER<br>BSC<br>11 Jul 24                      | DRAWING TITLE<br>DETAIL SHEET: HOLD DOWN RAILS - NON-DRIVE SIDE |  |           |  |
|                 |                                                                             |                                                                                       | SCALE<br>1/2" = 1'-0"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | SHEET<br>19 of 20                                | DRAWING NUMBER<br>WGZ0067002 - 19                               |  | REV<br>04 |  |

**Polychem**

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**B** TYP WALL BRKT- RETURN RAIL & HOLD DOWN RAIL (TANK 3)  
-04, -07 SCALE- 1 1/2" = 1'-0"

**NOTES:**

- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
- CONTRACTOR TO ADJUST RAIL HOLD DOWN RAIL HEIGHT AT TIME OF INSTALLATION, TO SUIT OPERATION OF THE COLLECTOR WITHOUT BINDING.
- CONTRACTOR TO ADJUST SLOTTED RETURN SHOES WITH SLOTS PROVIDED IN SHOES TO MAINTAIN A NOMINAL 3/8" GAP FROM THE LUG TO THE WEARSTRIP, ALONG THE HOLD DOWN RAIL. ADJUST LOWER RETURN RAIL BRACKET BASED ON FINAL POSITION OF THE LUG SHOES. INSTALL WEARSTRIP BASED ON FINAL POSITION OF THE LUG SHOES, TO MAINTAIN A NOMINAL 3/8" GAP.
- EQUIPMENT LOCATIONS SHOWN WITHIN THIS I&L SET ASSUMES ALL T-RAILS/STEEL PLATES ARE/WILL BE FLUSH WITH THE TANK FLOOR, SUCH THAT THE TANK FLOOR CAN BE CONSIDERED THE DATUM FOR INSTALLING ANCHORS.

|              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  |                                                  |                                                                                       |                                                                |                 |     |
|--------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|--------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------|-----|
|              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | STATUS                     |  | PROJECT TITLE                                    |                                                                                       |                                                                |                 |     |
|              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ISSUED FOR<br>INSTALLATION |  | INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT |                                                                                       |                                                                |                 |     |
|              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ISO-9001<br>REGISTERED     |  | NANAIMO PST 1-3 & GRIT 1-3, BC<br>GRIT TANK 1-3  |                                                                                       |                                                                |                 |     |
| <div>4</div> | SHEET -20 ADDED | <b>CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.<br/>(HEREINAFTER KNOWN AS, "BRENTWOOD")</b><br><small>NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH IT WAS FURNISHED BY BRENTWOOD AND FURTHER AGREES TO NEITHER COPY, MODIFY, REVERSE ENGINEER NOR AUTHORIZE ANYONE ELSE TO DO SO ON ITS BEHALF. THE RECIPIENT FURTHER AGREES THAT IT WILL NOT DISCLOSE THIS INFORMATION TO OTHERS WITHOUT THE PRIOR WRITTEN CONSENT OF BRENTWOOD. THIS NOTICE SHALL APPEAR ON ANY COMPLETE OR PARTIAL REPRODUCTION OF THIS DOCUMENT. *POLYCHEM IS A REGISTERED TRADEMARK OF BRENTWOOD INDUSTRIES INCORPORATED.</small> |                            |  | DRAWN                                            | CHECKER                                                                               | DRAWING TITLE                                                  |                 |     |
| REV          | DESCRIPTION     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  | RHP                                              | BSC                                                                                   | DETAIL A: TYP WALL BRKT- RETURN RAIL & HOLD DOWN RAIL (TANK 3) |                 |     |
|              | SHEET REVISIONS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  | 24 Jul 23                                        | 11 Jul 24                                                                             |                                                                |                 |     |
|              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  | SCALE                                            |                                                                                       | SHEET                                                          | DRAWING NUMBER  | REV |
|              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |  | 1 1/2" = 1'-0"                                   |  | 20 of 20                                                       | WGZ0067002 – 20 | 04  |