

5.1 Installation & Layout Drawing List - Primary Sedimentation Tank 1-3

SHEET NO.	DESCRIPTION
WGZ0067001	-01 -DRAWING LIST
WGZ0067001	-02 -GENERAL NOTES, SCHEDULES, LEGENDS
WGZ0067001	-03 -PLAN VIEW
WGZ0067001	-04 -ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE
WGZ0067001	-05 -ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE
WGZ0067001	-06 -ELEVATION B-B: LONGITUDINAL COLLECTOR - NON-DRIVE SIDE
WGZ0067001	-07 -SECTION C-C: HEAD SHAFT & LOWER IDLER
WGZ0067001	-08 -SECTION D-D: UPPER RETURN RAIL
WGZ0067001	-09 -SECTION E-E: UPPER IDLER & LOWER RETURN RAIL
WGZ0067001	-10 -SECTION F-F: TAIL SHAFT
WGZ0067001	-11 -ELEVATION G-G: CROSS COLLECTOR
WGZ0067001	-12 -CROSS COLLECTOR SECTIONS
WGZ0067001	-13 -DETAIL SHEET: DETAILS 1-5
WGZ0067001	-14 -DETAIL SHEET: DETAILS 6-8
WGZ0067001	-15 -DETAIL SHEET: DETAILS 9-11
WGZ0067001	-16 -EXPLODED VIEW: WALL BRACKET AT COLUMNS
WGZ0067001	-17 -DETAIL SHEET: KNEE WALL BRACKET
WGZ0067001	-18 -DETAIL SHEET: LONGITUDINAL HEAD SHAFT
WGZ0067001	-19 -DETAIL SHEET: CROSS COLLECTOR HEAD SHAFT
WGZ0067001	-20 -DETAIL SHEET: FLIGHT ASSEMBLY & STUB SHAFT INSTALLATION
WGZ0067001	-21 -DETAIL SHEET: WEAR STRIP INSTALLATION
WGZ0067001	-22 -DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS PLAN VIEWS - TANK T-211 & T-213
WGZ0067001	-23 -DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS SECTIONS & ELEVATIONS
WGZ0067001	-24 -DRIVE UNIT LAYOUT: CROSS TANK T-211 & T-213 - SECTION
WGZ0067001	-25 -DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS PLAN VIEWS - TANK T-212
WGZ0067001	-26 -DRIVE UNIT LAYOUT: CROSS TANK T-212 - SECTION

INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT

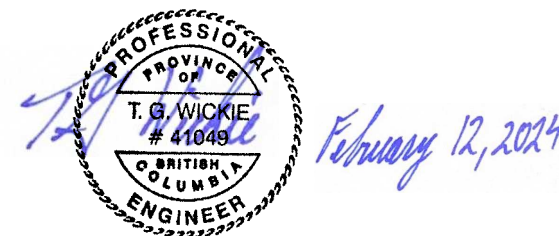
NANAIMO PST 1-3, BRITISH COLUMBIA CANADA

SIX (6)- FOUR (4) SHAFT LONGITUDINAL & THREE (3) THREE (3) SHAFT CROSS COLLECTION SYSTEMS

INSTALLATION AND LAYOUT DRAWING LIST

<u>SHEET NO.</u>	DESCRIPTION
WGZ0067001 -01	-DRAWING LIST
WGZ0067001 -02	-GENERAL NOTES, SCHEDULES, LEGENDS
WGZ0067001 -03	-PLAN VIEW
WGZ0067001 -04	-ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE
WGZ0067001 -05	-ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE
WGZ0067001 -06	-ELEVATION B-B: LONGITUDINAL COLLECTOR - NON-DRIVE SIDE
WGZ0067001 -07	-SECTION C-C: HEAD SHAFT & LOWER IDLER
WGZ0067001 -08	-SECTION D-D: UPPER RETURN RAIL
WGZ0067001 -09	-SECTION E-E: UPPER IDLER & LOWER RETURN RAIL
WGZ0067001 -10	-SECTION F-F: TAIL SHAFT
WGZ0067001 -11	-ELEVATION G-G: CROSS COLLECTOR
WGZ0067001 -12	-CROSS COLLECTOR SECTIONS
WGZ0067001 -13	-DETAIL SHEET: DETAILS 1-5
WGZ0067001 -14	-DETAIL SHEET: DETAILS 6-8
WGZ0067001 -15	-DETAIL SHEET: DETAILS 9-11
WGZ0067001 -16	-EXPLODED VIEW: WALL BRACKET AT COLUMNS
WGZ0067001 -17	-DETAIL SHEET: KNEE WALL BRACKET
WGZ0067001 -18	-DETAIL SHEET: LONGITUDINAL HEAD SHAFT
WGZ0067001 -19	-DETAIL SHEET: CROSS COLLECTOR HEAD SHAFT
WGZ0067001 -20	-DETAIL SHEET: FLIGHT ASSEMBLY & STUB SHAFT INSTALLATION
WGZ0067001 -21	-DETAIL SHEET: WEAR STRIP INSTALLATION
WGZ0067001 -22	-DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS PLAN VIEWS - TANK T-211 & T-213
WGZ0067001 -23	-DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS SECTIONS & ELEVATIONS
WGZ0067001 -24	-DRIVE UNIT LAYOUT: CROSS TANK T-211 & T-213 - SECTION
WGZ0067001 -25	-DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS PLAN VIEWS - TANK T-212
WGZ0067001 -26	-DRIVE UNIT LAYOUT: CROSS TANK T-212 - SECTION

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



Larson
Engineering Inc

1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000

LIMITED TO STRUCTURAL
DESIGN ONLY

[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 EACH CONSISTING OF TWO (2) LONGITUDINAL COLLECTORS & ONE (1) CROSS 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. FLIGHT ATTACHMENT LINK CENTER DISTANCE MUST BE 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.
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. 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.

19. 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.

20. REFER TO SHEET-21 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	1"	1 1/8"	6"	5 1/2"	5"	19
B	1/2"	9/16"	4"	4"	2 1/2"	27
C	1/2"	9/16"	4"	1 3/4"	2 1/2"	47
D	3/8"	7/16"	3"	1 3/4"	1 7/8"	52
E	5/8"	3/4"	THRU	6"	3 1/8"	61
F	3/4" \ 1 1/8"	1 1/4"	6"	0"	5 5/8"	74

BILL OF MATERIALS	
BOM #	DESCRIPTION
WGZ0067001	PRIMARY TANK 1
WGZ0067002	PRIMARY TANK 2
WGZ0067003	PRIMARY TANK 3
WGZ0067007	SPARE PARTS

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

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



February 12, 2024

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY



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.

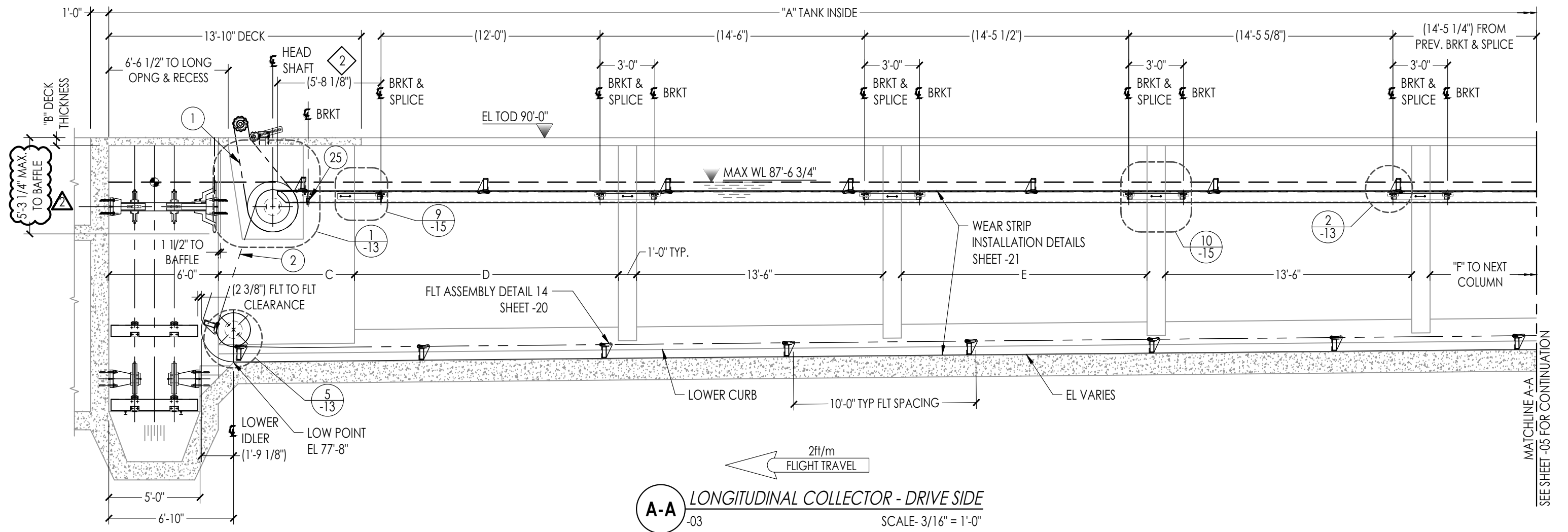
STATUS
ISSUED FOR
INSTALLATION
ISO-9001
REGISTERED

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

DRAWN RHP 24 Jul 23
CHECKER HP 07 Feb 24
DRAWING TITLE
GENERAL NOTES, SCHEDULES, LEGENDS

SCALE
NTS
SHEET
02 of 26
DRAWING NUMBER
WGZ0067001 - 02
REV
04

REV	NOTES AND CALLOUTS UPDATED PER REVIEW COMMENTS BY ENGINEER	
	DESCRIPTION	
	SHEET REVISIONS	



DIMENSION "___"						
TANK	A	B	C	D	E	F
T-211	143'-10 1/2"	5 1/4"	7'-5 1/2"	14'-5 7/16"	13'-5 1/2"	13'-5 11/16"
T-212	143'-10 1/8"	5 1/4"	7'-5 1/2"	14'-5 7/16"	13'-5 1/2"	13'-5 11/16"
T-213	144'-0"	6"	7'-6"	14'-6"	13'-6"	13'-6"

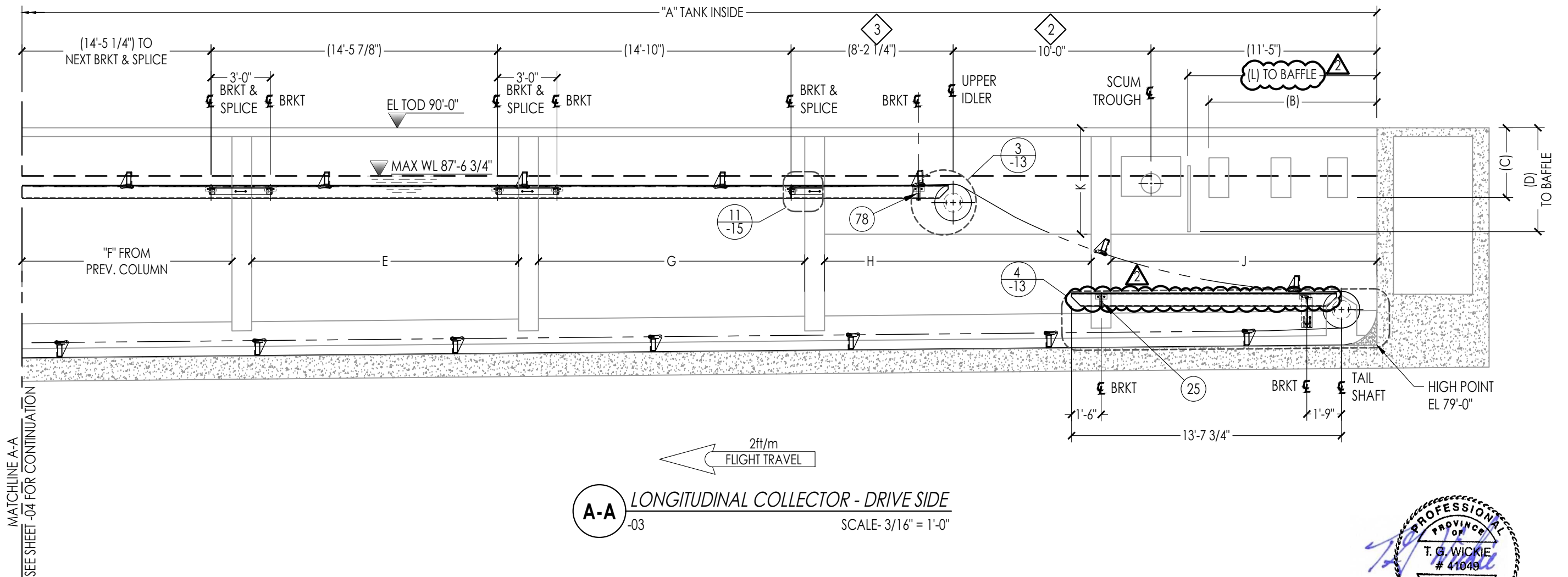
- NOTES:
- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 - USE LEFTOVER PIECE OF RETURN RAIL FROM START (AT UPPER IDLER) TO COMPLETE.

PROFESSIONAL
ENGINEER
T. G. WICKIE
41049
February 12, 2024

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



A-A LONGITUDINAL COLLECTOR - DRIVE SIDE
-03 SCALE- 3/16" = 1'-0"

DIMENSION " "											
TANK	A	B	C	D	E	F	G	H	J	K	L
T-211	143'-10 1/2"	8'-5 7/8"	3'-6 1/4"	5'-3"	13'-5 13/16"	13'-5 11/16"	13'-5 1/2"	13'-5 11/16"	13'-6 5/16"	5'-4 1/2"	9'-6 11/16"
T-212	143'-10 1/8"	8'-5 7/8"	3'-6 1/4"	5'-3"	13'-5 13/16"	13'-5 11/16"	13'-5 1/2"	13'-6 1/4"	13'-6 5/16"	5'-4 1/2"	9'-6 11/16"
T-213	144'-0"	8'-5 7/8"	3'-6 1/4"	5'-3"	13'-6"	13'-6"	13'-6"	13'-6"	13'-6"	5'-6"	9'-6 11/16"

NOTES:

- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
- THE EXISTING UPPER IDLER WAS LOCATED AT 12'-2 1/2" FROM THE SCUM TROUGH. BRENTWOOD HAS RE-LOCATED THE UPPER IDLER CLOSER TO THE SCUM TROUGH. SCUM REMOVAL/PROCESSING SHALL BE THE RESPONSIBILITY OF OTHERS.
- USE LEFTOVER RAIL TO COMPLETE RETURN RAIL AT HEADSHAFT.

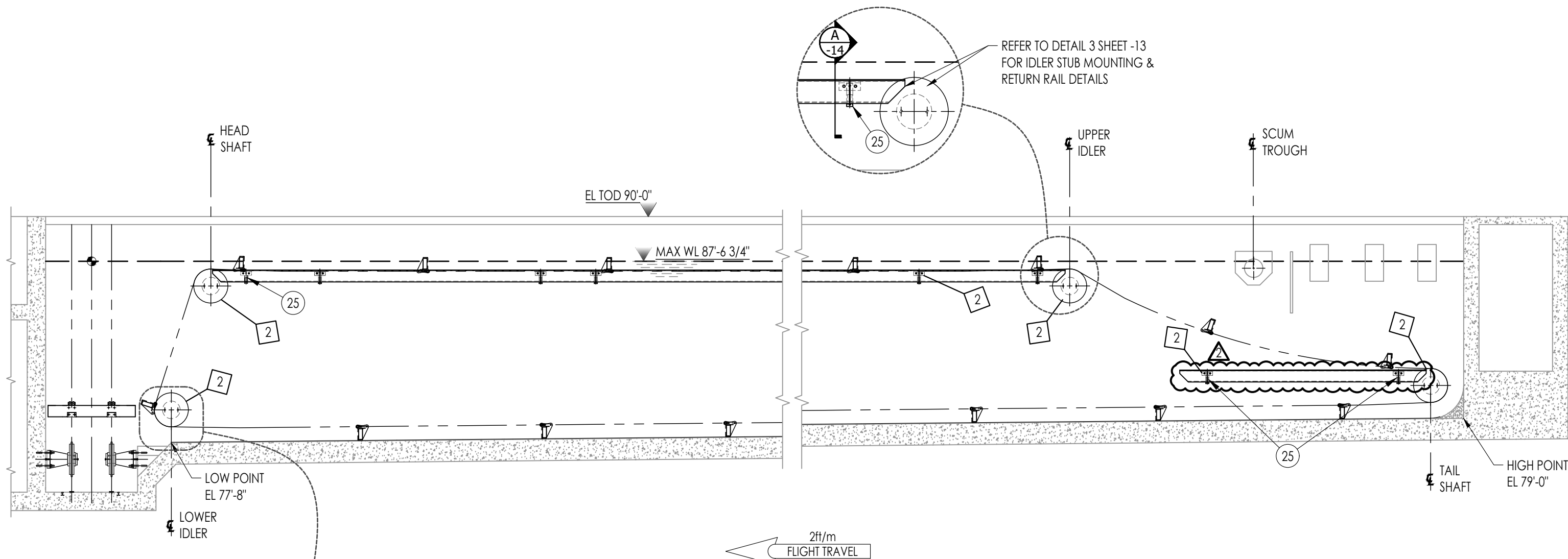
			STATUS		PROJECT TITLE				
			ISSUED FOR INSTALLATION		INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT				
			ISO-9001 REGISTERED		NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3				
2	LOWER RETURN RAIL LEVELLED HORIZONTAL IN LIEU OF PARELLEL TO FLOOR	CONFIDENTIAL PROPERTY OF BRENTWOOD 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.			DRAWN	CHECKER	DRAWING TITLE		
2	TANK 3 DIMENSION B, C & D ADDED, COLUMN "L" ADDED PER REVIEW COMMENTS BY ENGINEER				RHP	HP	ELEVATION A-A: LONGITUDINAL COLLECTOR - DRIVE SIDE		
REV	DESCRIPTION				24 Jul 23	07 Feb 24			
SHEET REVISIONS		SCALE				SHEET	DRAWING NUMBER		REV
		3/16" = 1'-0"				05 of 26	WGZ0067001 – 05		04



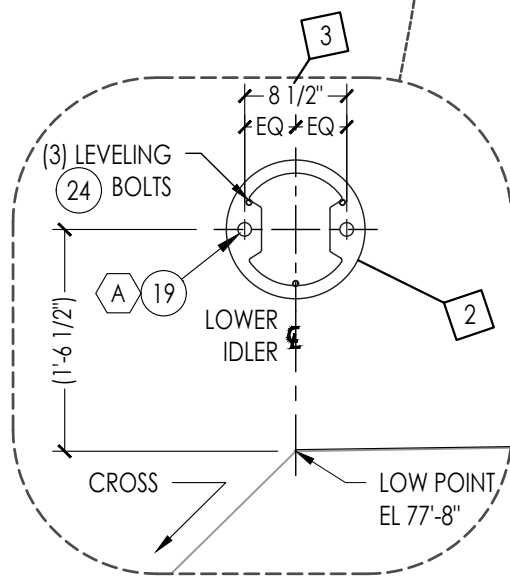
February 12, 2024

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



B-B LONGITUDINAL COLLECTOR - NON-DRIVE SIDE
-03 SCALE- 3/16" = 1'-0"



- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 2. EQUIPMENT MOUNTING LOCATION TO MATCH DRIVE SIDE OF THE TANK.
 3. FOR NON-DRIVE SIDE LOWER IDLER LOCATIONS, STUB SHAFTS CAN BE ORIENTED WITH ANCHORS POSITIONED AT 0 OR 90 DEGREES. REFER TO SECTION VIEW C-C ON SHEET -07 FOR REQUIREMENTS OF ROTATING STUB SHAFTS AT ADJACENT WALLS.

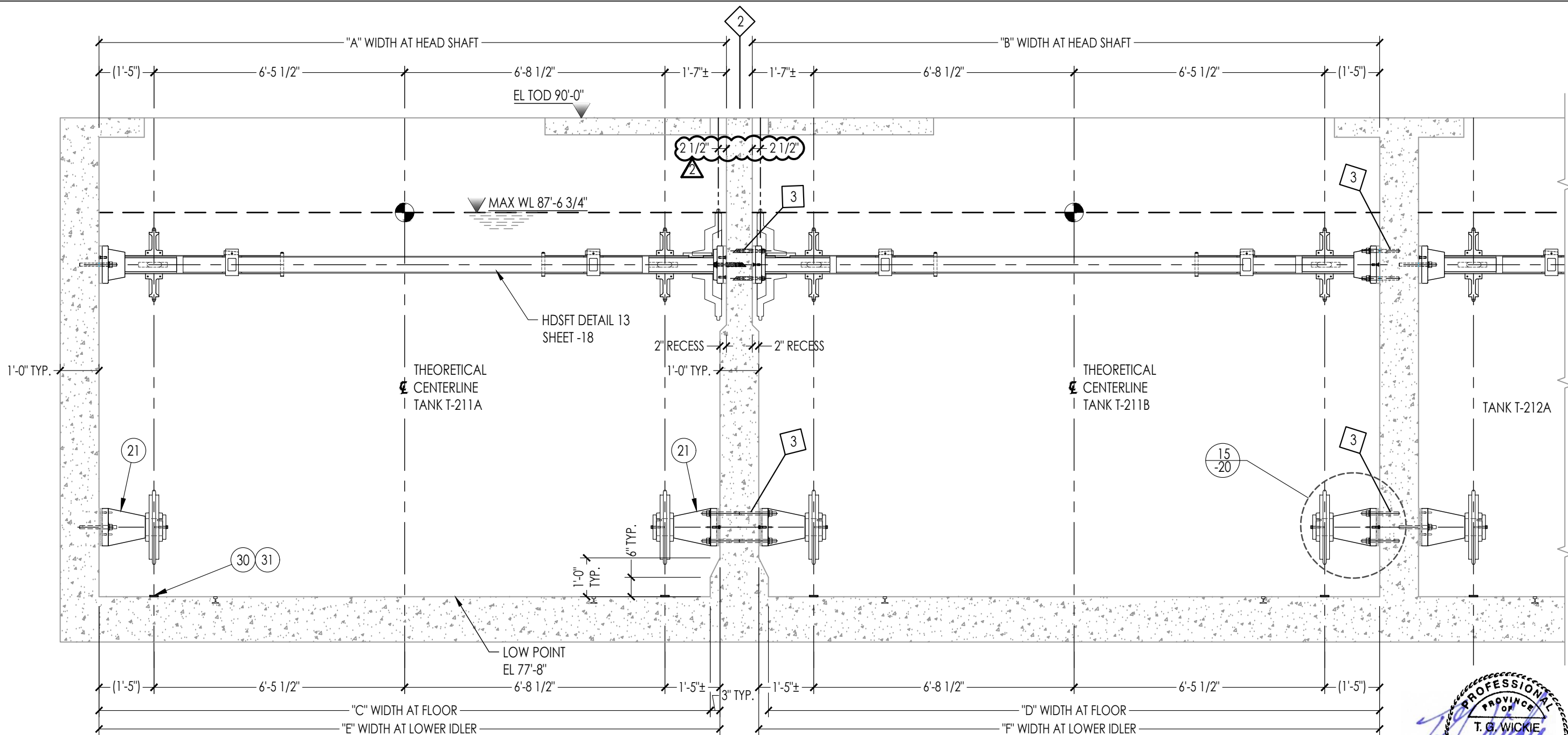
			STATUS		PROJECT TITLE									
			ISSUED FOR INSTALLATION		INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT									
			ISO-9001 REGISTERED		NANAIMO PST 1-3 & GRIT 1-3, BC									
					PRIMARY SEDIMENTATION TANK 1-3									
	LOWER RETURN RAIL LEVELLED HORIZONTAL IN LIEU OF PARELLEL TO FLOOR, NOTE UPDATED	CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC. (HEREINAFTER KNOWN AS, "BRENTWOOD")			DRAWN		CHECKER		DRAWING TITLE					
REV	DESCRIPTION	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.			RHP 24 Jul 23		HP 07 Feb 24		ELEVATION B-B: LONGITUDINAL COLLECTOR - NON-DRIVE SIDE					
SHEET REVISIONS					SCALE				SHEET		DRAWING NUMBER		REV	
					3/16" = 1'-0"				06 of 26		WGZ0067001 - 06		04	



February 12, 2024

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



C-C HEAD SHAFT & LOWER IDLER
-03 SCALE- 3/8" = 1'-0"

DIMENSION "___"						
TANK	A	B	C	D	E	F
T-211	16'-1 11/16"	16'-1 3/8"	15'-9"	15'-8 19/32"	15'-11 27/32"	15'-11 3/8"
T-212	16'-1 3/8"	16'-2 3/16"	15'-9 21/32"	15'-9 11/32"	16'-0 1/4"	16'-0 1/32"
T-213	16'-2"	16'-2"	15'-9"	15'-9"	16'-0"	16'-0"

- NOTES:
- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 - DRIVES NOT SHOWN FOR CLARITY.
 - ROTATE ANCHORS 90° THIS SIDE TO AVOID INTERFERENCE.
 - FOR HEAD SHAFT AND IDLER ELEVATION SEE SHEET 13.

REV	DESCRIPTION
2	NOTES AND DIMENSIONS ADDED PER REVIEW COMMENTS BY ENGINEER
SHEET REVISIONS	

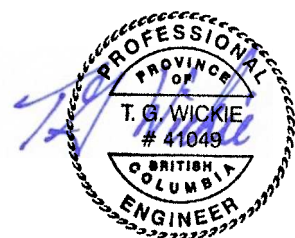


CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.
(HEREINAFTER KNOWN AS, "BRENTWOOD")
NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH 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
PRIMARY SEDIMENTATION TANK 1-3

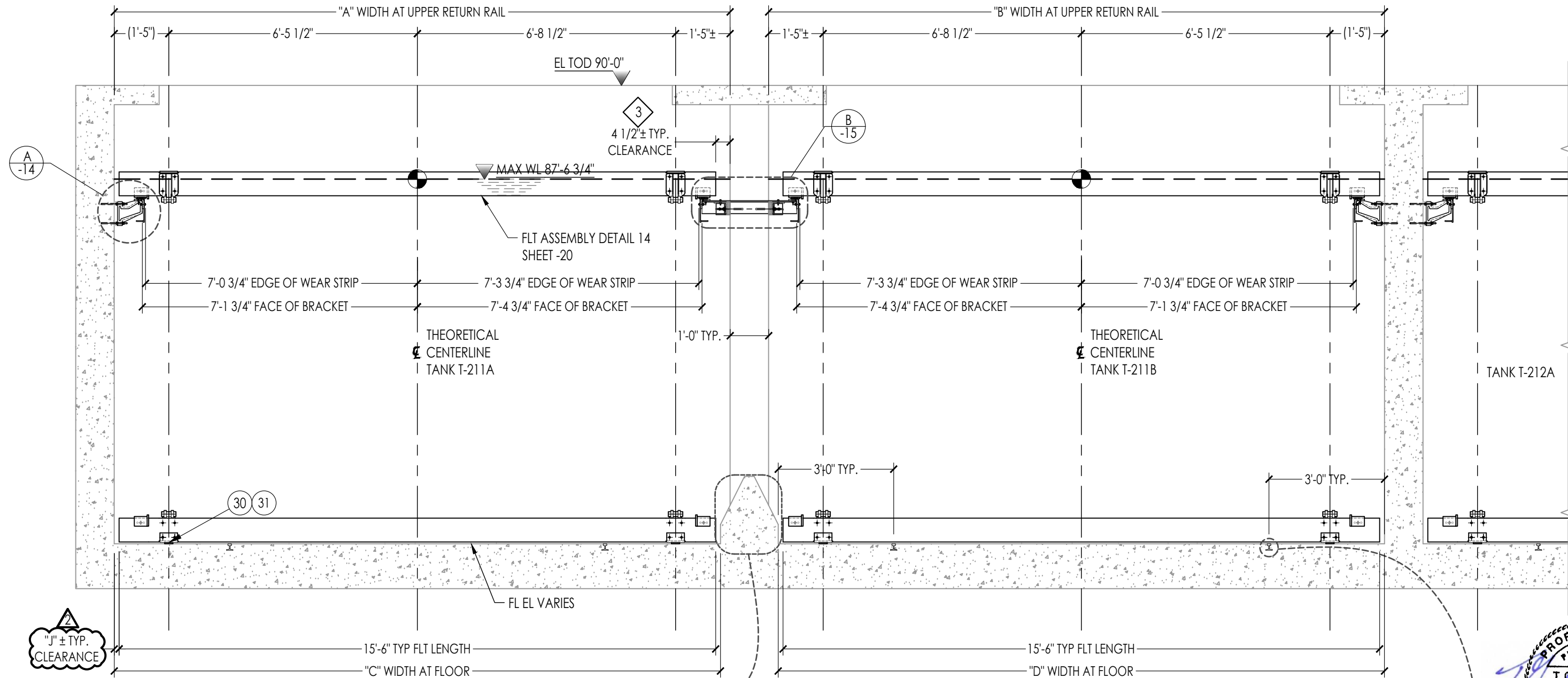
DRAWN
RHP
24 Jul 23
CHECKER
HP
07 Feb 24
DRAWING TITLE
SECTION C-C: HEAD SHAFT & LOWER IDLER
SCALE
3/8" = 1'-0"
SHEET
07 of 26
DRAWING NUMBER
WGZ0067001 - 07
REV
04



February 12, 2024
Larson Engineering Inc

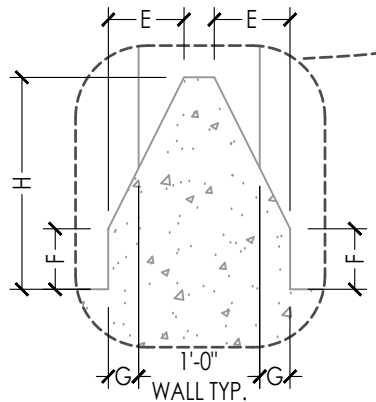
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



2
"J" ± TYP. CLEARANCE

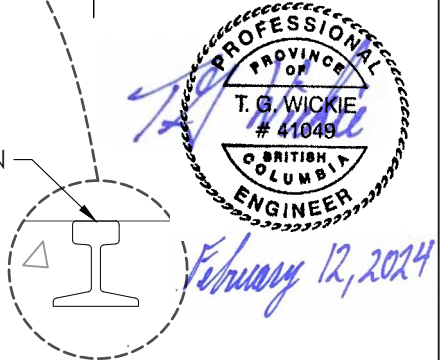
DIMENSION "J"			
TANK	NOMINAL	MAXIMUM	MINIMUM
T-211A	1 1/2"	1 23/32"	1 1/2"
T-211B	1 1/2"	1 1/2"	1 5/16"
T-212A	1 1/2"	1 13/16"	1 1/2"
T-212B	1 1/2"	1 7/8"	1 1/2"
T-213A	1 1/2"	1 1/2"	1 1/2"
T-213B	1 1/2"	1 1/2"	1 1/2"



D-D UPPER RETURN RAIL
-03 SCALE- 3/16" = 1'-0"

DIMENSION "___"								
TANK	A	B	C	D	E	F	G	H
T-211	16'-1 23/32"	16'-1 1/16"	15'-9"	15'-9"	7 1/4"	6 1/4"	2 3/4"	1'-10"
T-212	15'-11 3/4"	15'-11 1/8"	15'-10"	15'-9 3/4"	7 1/4"	6"	2 3/4"	1'-10"
T-213	16'-0"	16'-0"	15'-9"	15'-9"	7 1/2"	6"	3"	1'-9"

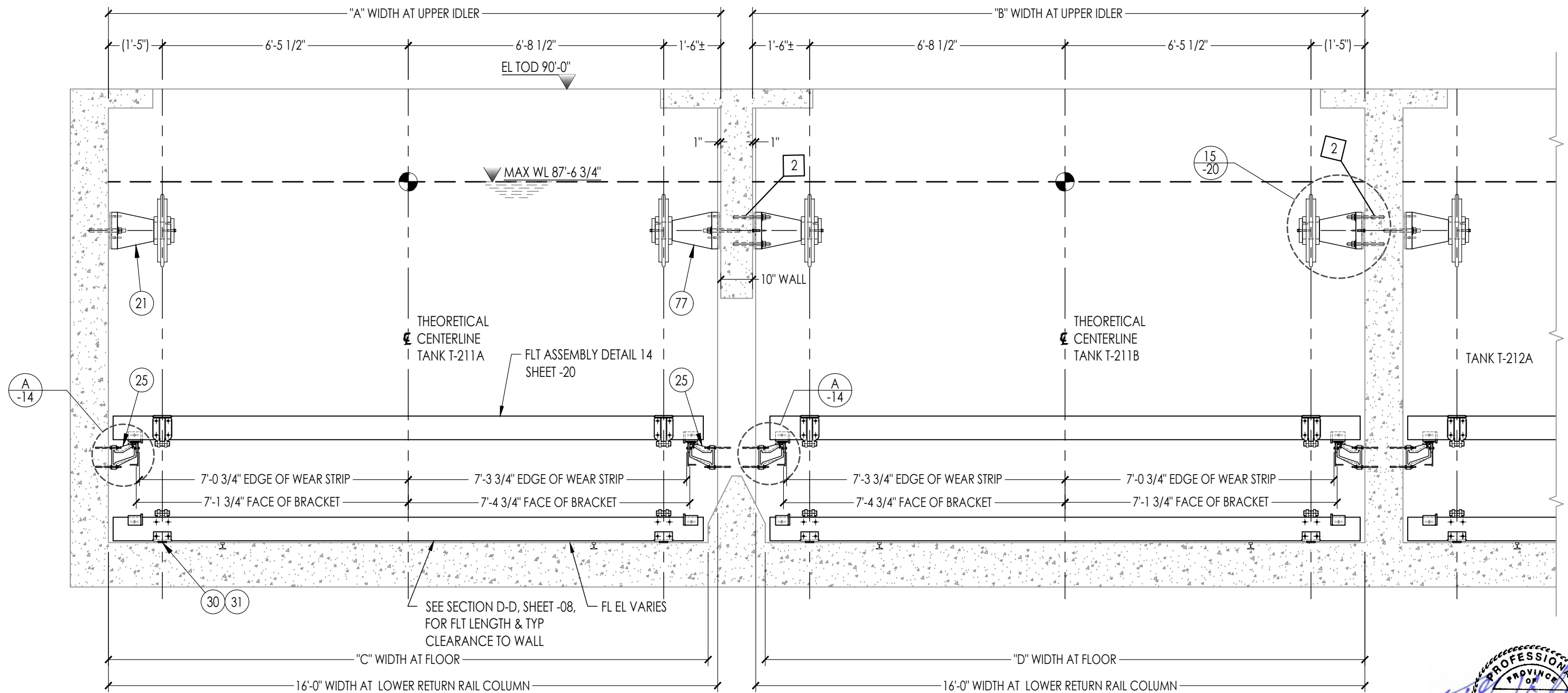
2
T-RAIL PROJECTION



- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 2. EXISTING T-RAILS WERE CONFIRMED TO BE FLUSH WITH THE TANK FLOOR AND THEREFORE REPRESENT A NON-ISSUE WITH BRENTWOOD'S EQUIPMENT. SHOULD THEY PROJECT ABOVE THE TANK FLOOR AT ANY LOCATION, CONTRACTOR TO GRIND FLUSH.
 3. TANK STRUCTURE DOES NOT INCLUDE AN UPPER CURB, TO ALIGN WITH THE LOWER CURB BELOW. PROCESS SKIMMING INEFFICIENCIES AS A RESULT OF A LARGER FLIGHT GAP ALONG THE LENGTH OF THE TANK SHALL BE THE RESPONSIBILITY OF OTHERS.

REV		DESCRIPTION	 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 PRIMARY SEDIMENTATION TANK 1-3	DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE SECTION D-D: UPPER RETURN RAIL		SHEET 08 of 26	DRAWING NUMBER WGZ0067001 - 08	REV 04
SHEET REVISIONS			SCALE 3/8" = 1'-0"									

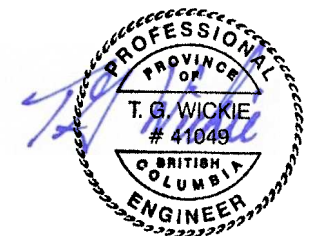
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL DESIGN ONLY
ENGINEERS & GEOSCIENTISTS OF BRITISH COLUMBIA PERMIT TO PRACTICE #1003607



E-E UPPER IDLER & LOWER RETURN RAIL
-03 SCALE: 3/16" = 1'-0"

DIMENSION "___"				
TANK	A	B	C	D
T-211	16'-1 23/32"	16'-1 1/16"	15'-9"	15'-9"
T-212	16'-1 23/32"	16'-1 1/16"	15'-9 9/16"	15'-9 5/8"
T-213	16'-1"	16'-1"	15'-9"	15'-9"

- NOTES:
- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 - ROTATE ANCHORS 90° THIS SIDE TO AVOID INTERFERENCE.
 - FOR IDLER ELEVATION SEE SHEET 13

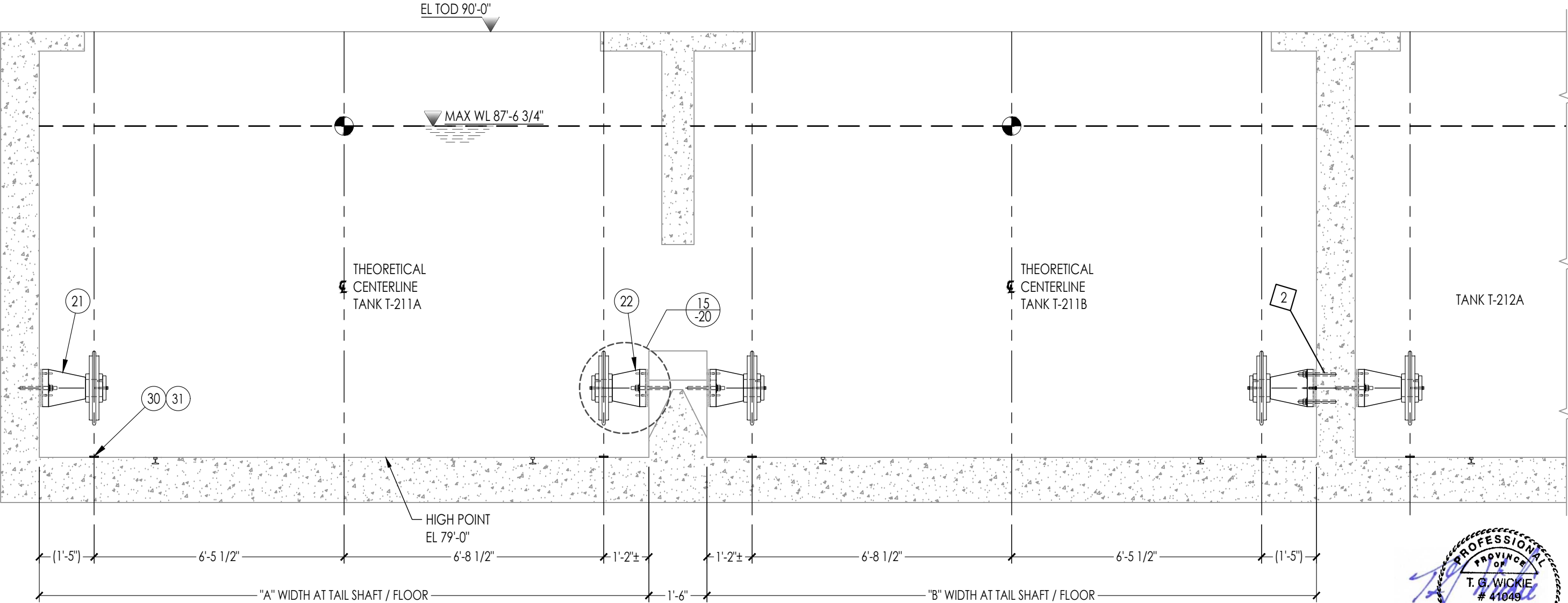


February 12, 2024

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

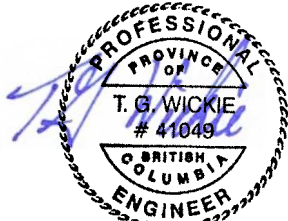
ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

			STATUS		PROJECT TITLE INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3						
			ISSUED FOR INSTALLATION								
			ISO-9001 REGISTERED								
			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.		DRAWN RHP 24 Jul 23		CHECKER HP 07 Feb 24	DRAWING TITLE SECTION E-E: UPPER IDLER & LOWER RETURN RAIL			
 2	NOTE ADDED PER REVIEW COMMENTS BY ENGINEER				SCALE 3/8" = 1'-0"			SHEET 09 of 26	DRAWING NUMBER WGZ0067001 – 09		REV 04
REV	DESCRIPTION										
	SHEET REVISIONS										



DIMENSION "___"		
TANK	A	B
T-211	15'-9 7/16"	15'-9"
T-212	15'-9"	15'-9"
T-213	15'-9"	15'-9"

F-F TAIL SHAFT
-03 SCALE- 3/16" = 1'-0"

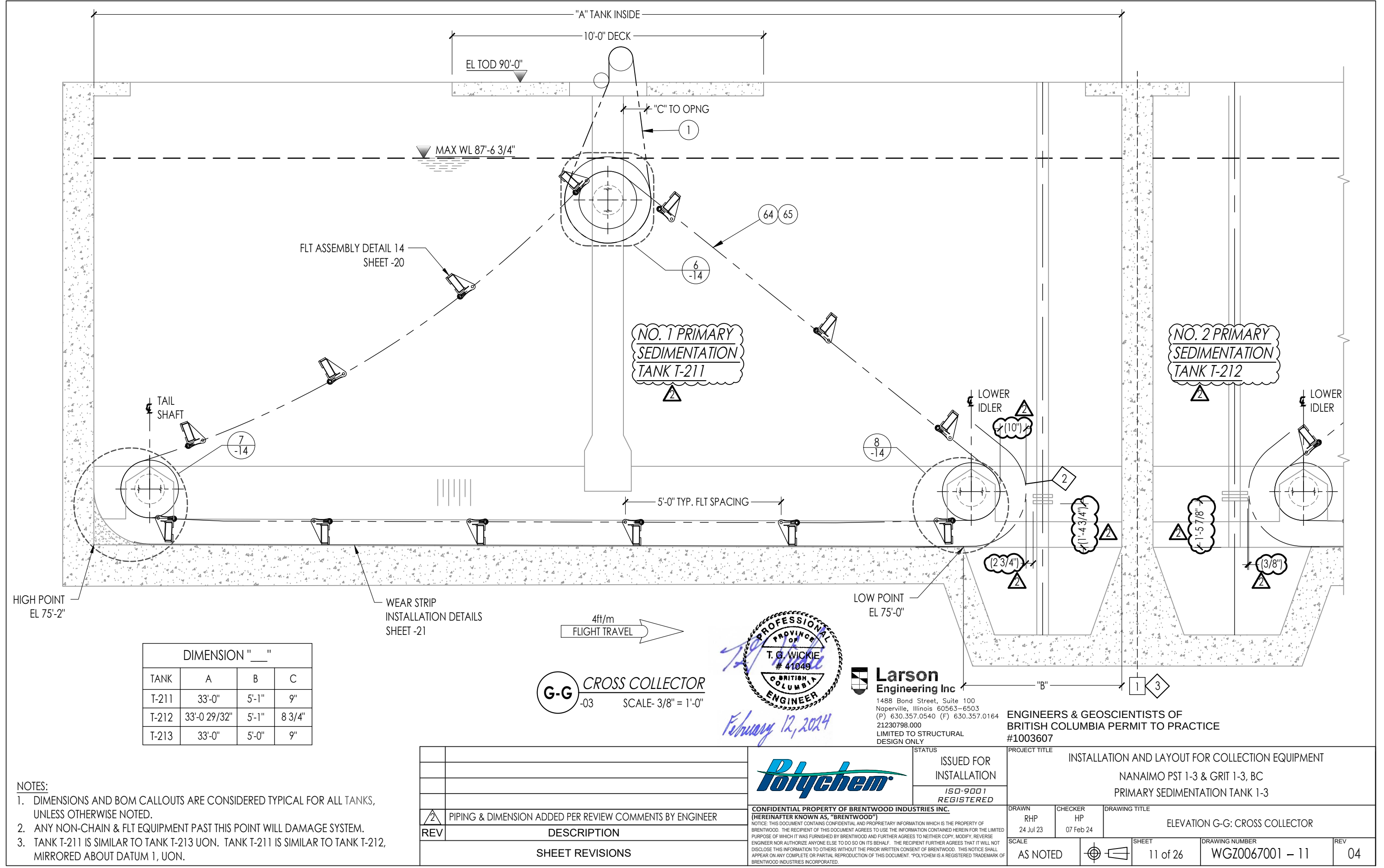


February 12, 2024
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

- NOTES:
- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 - ROTATE ANCHORS 90° THIS SIDE TO AVOID INTERFERENCE.
 - FOR TAIL SHAFT ELEVATION SEE SHEET 13.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



DIMENSION " ____ "			
TANK	A	B	C
T-211	33'-0"	5'-1"	9"
T-212	33'-0 29/32"	5'-1"	8 3/4"
T-213	33'-0"	5'-0"	9"

- NOTES:
- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 - ANY NON-CHAIN & FLT EQUIPMENT PAST THIS POINT WILL DAMAGE SYSTEM.
 - TANK T-211 IS SIMILAR TO TANK T-213 UON. TANK T-211 IS SIMILAR TO TANK T-212, MIRRORED ABOUT DATUM 1, UON.

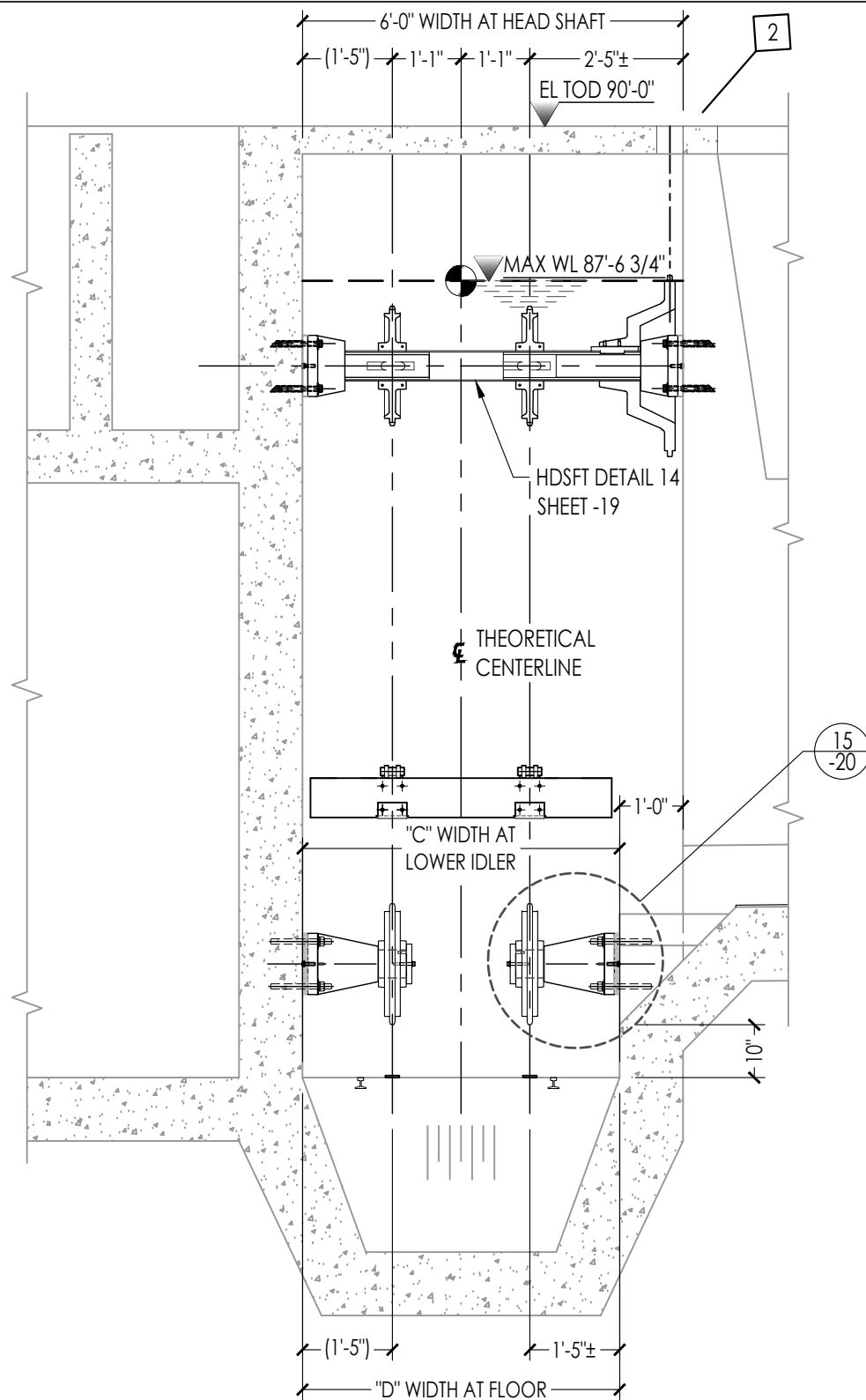
REV	DESCRIPTION
2	PIPING & DIMENSION ADDED PER REVIEW COMMENTS BY ENGINEER
SHEET REVISIONS	



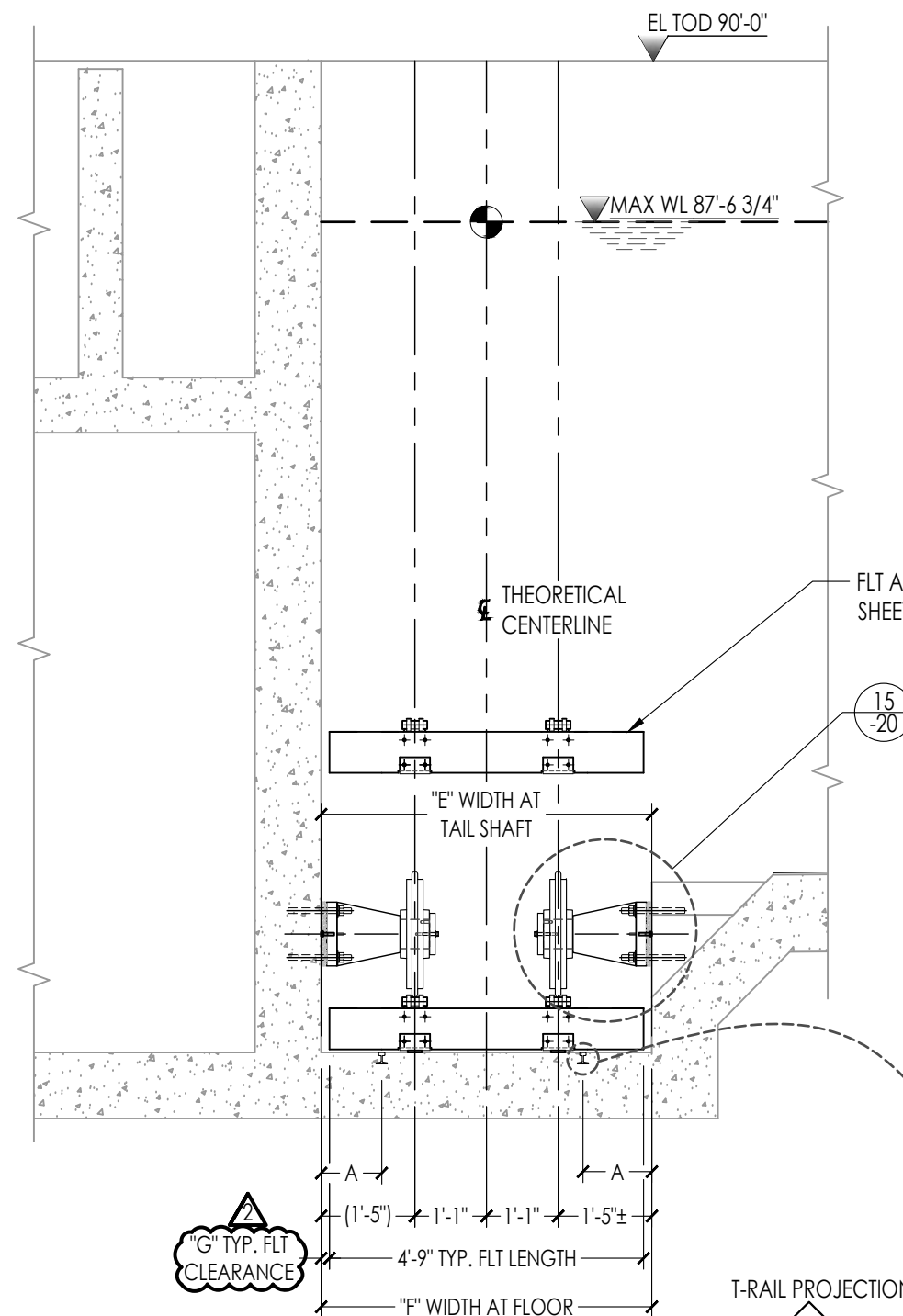
CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.
(HEREINAFTER KNOWN AS, "BRENTWOOD")
NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH 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 PRIMARY SEDIMENTATION TANK 1-3			
DRAWN	CHECKER	DRAWING TITLE	
RHP 24 Jul 23	HP 07 Feb 24	ELEVATION G-G: CROSS COLLECTOR	
SCALE	SHEET	DRAWING NUMBER	REV
AS NOTED	11 of 26	WGZ0067001 - 11	04



H-H CROSS COLLECTOR HEAD SHAFT & LOWER IDLER
-03 SCALE- 3/8" = 1'-0"

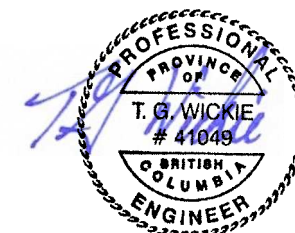


J-J CROSS COLLECTOR TAIL SHAFT
-03 SCALE- 3/8" = 1'-0"

DIMENSION " "						
TANK	A	B	C	D	E	F
T-211	11"	1'-0 1/2"	5'-0 9/32"	4'-11 1/2"	5'-0"	4'-11 5/8"
T-212	1'-0"	11"	4'-11 1/2"	4'-11 1/2"	5'-0"	4'-11 5/8"
T-213	11 1/2"	1'-0 1/8"	5'-0"	5'-0"	5'-0"	5'-0"

DIMENSION "G"			
TANK	NOMINAL	MAXIMUM	MINIMUM
T-211	1 1/2"	1 5/8"	1 1/4"
T-212	1 1/2"	1 1/2"	1 1/4"
T-213	1 1/2"	1 1/2"	1 1/2"

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



February 12, 2024

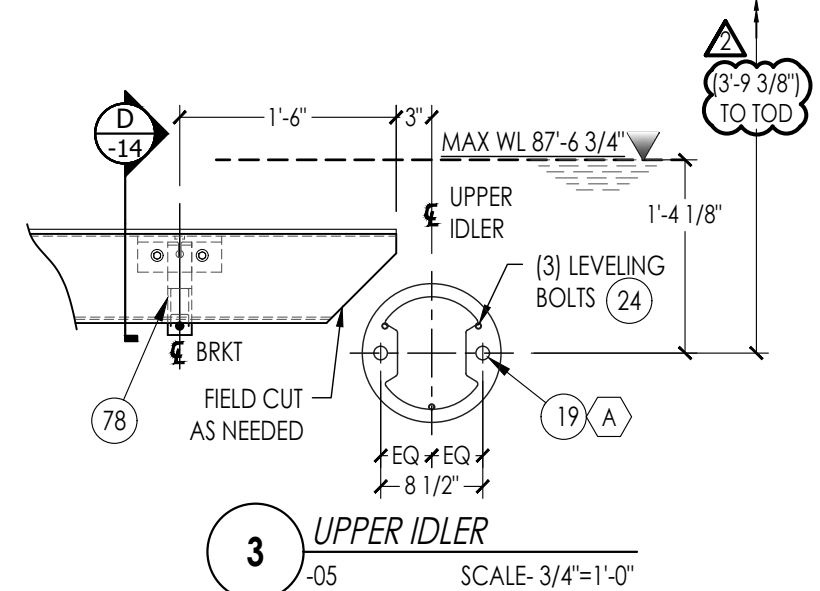
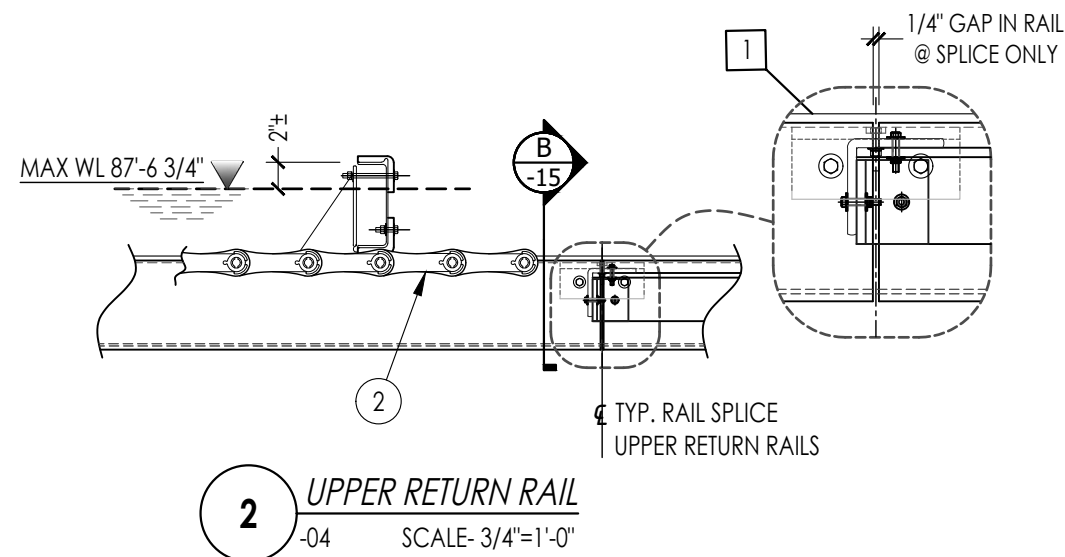
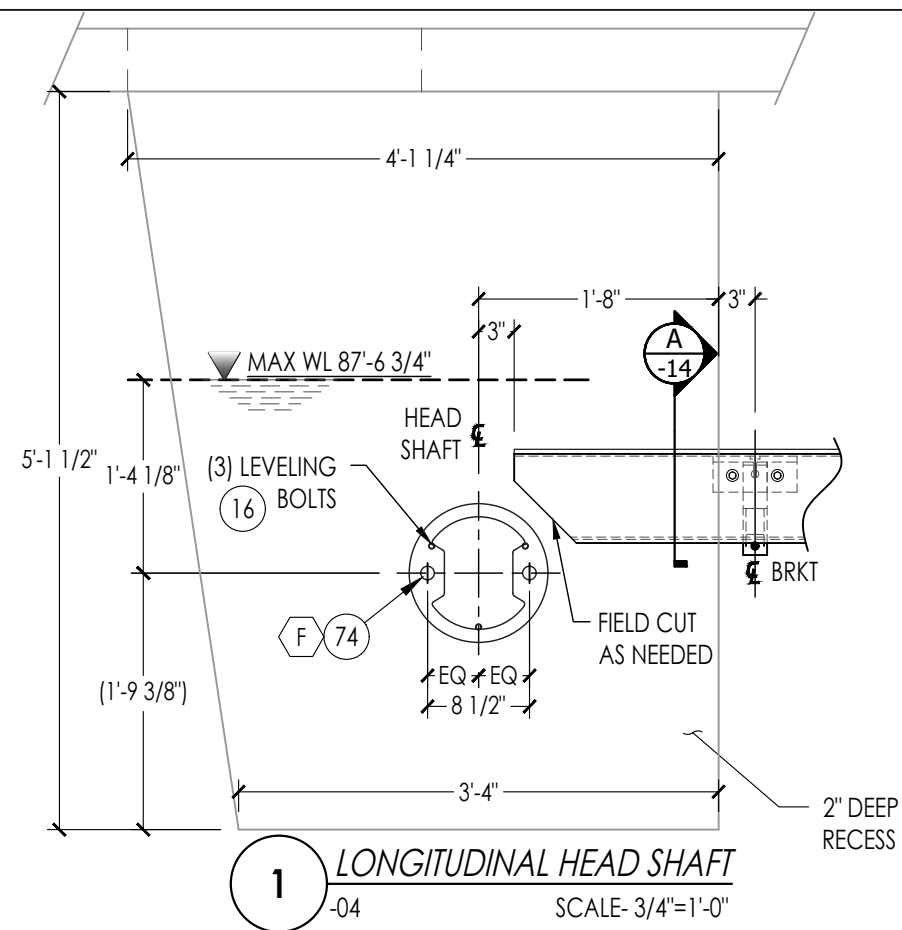
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

- NOTES:
- DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 - DRIVES NOT SHOWN FOR CLARITY.
 - EXISTING T-RAILS WERE CONFIRMED TO BE FLUSH WITH THE TANK FLOOR AND THEREFORE REPRESENT A NON-ISSUE WITH BRENTWOOD'S EQUIPMENT. SHOULD THEY PROJECT ABOVE THE TANK FLOOR AT ANY LOCATION, CONTRACTOR TO GRIND FLUSH.
 - FOR HEAD SHAFT, TAIL SHAFT AND IDLER ELEVATION, SEE SHEET 14.

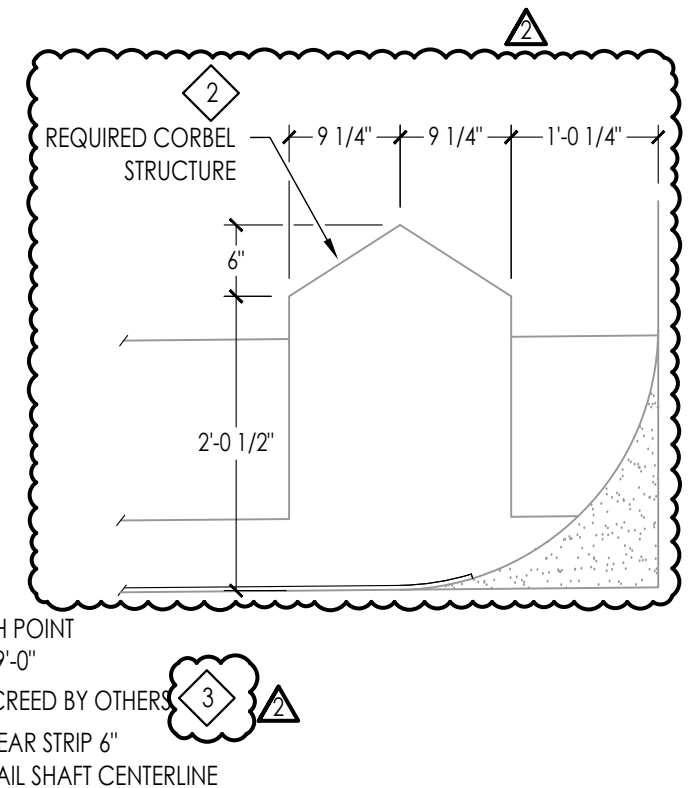
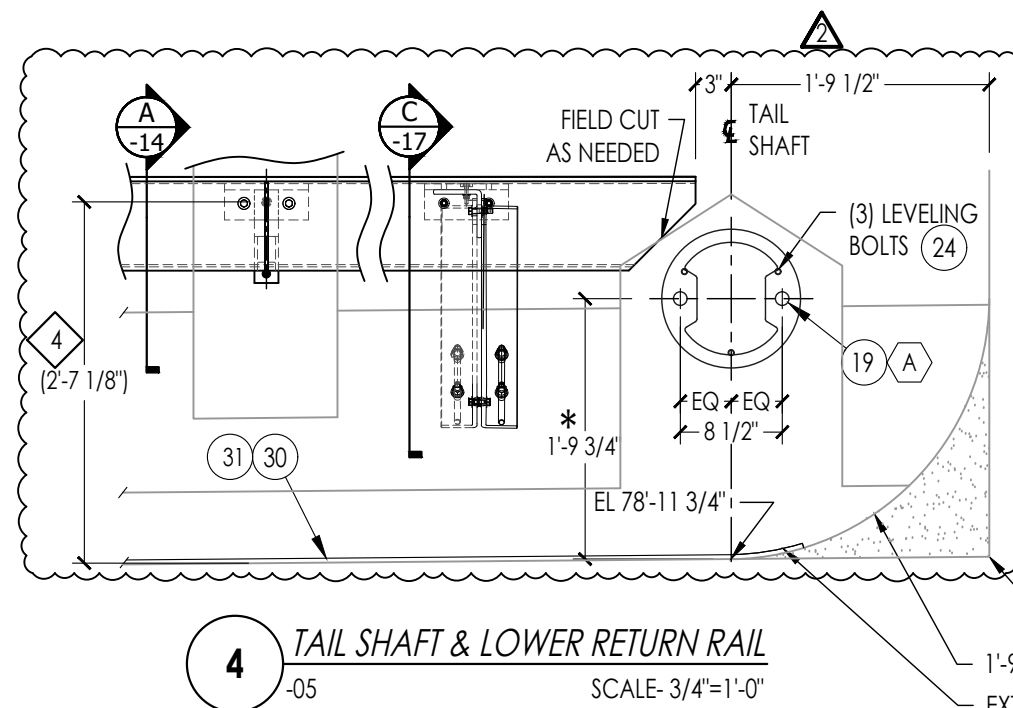
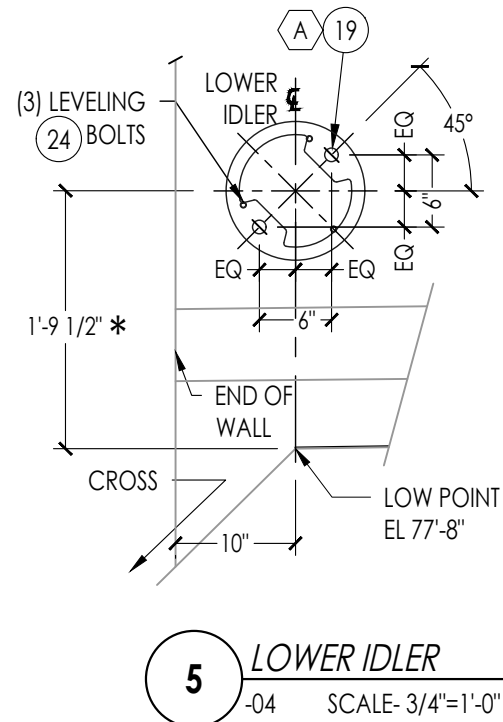
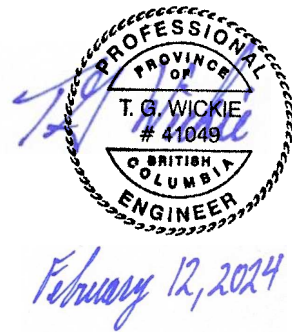
REV	DESCRIPTION
2	FLIGHT CLEARANCE TABLE & NOTE ADDED PER REVIEW COMMENTS BY ENGINEER
SHEET REVISIONS	

	STATUS	ISSUED FOR INSTALLATION
	ISO-9001 REGISTERED	
	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.	

PROJECT TITLE			
INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT			
NANAIMO PST 1-3 & GRIT 1-3, BC			
PRIMARY SEDIMENTATION TANK 1-3			
DRAWN	CHECKER	DRAWING TITLE	
RHP	HP	CROSS COLLECTOR SECTIONS	
24 Jul 23	07 Feb 24		
SCALE	SHEET	DRAWING NUMBER	REV
AS NOTED	12 of 26	WGZ0067001 - 12	04



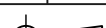
ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

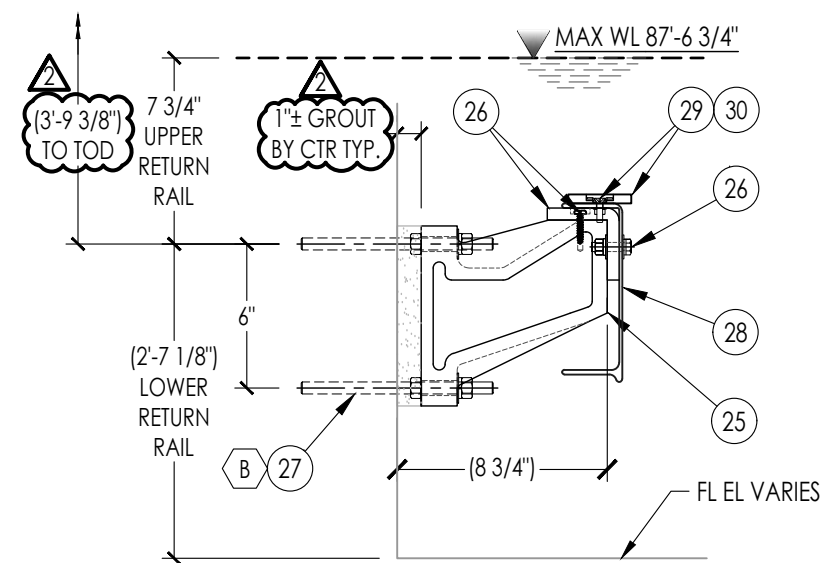


NOTES:

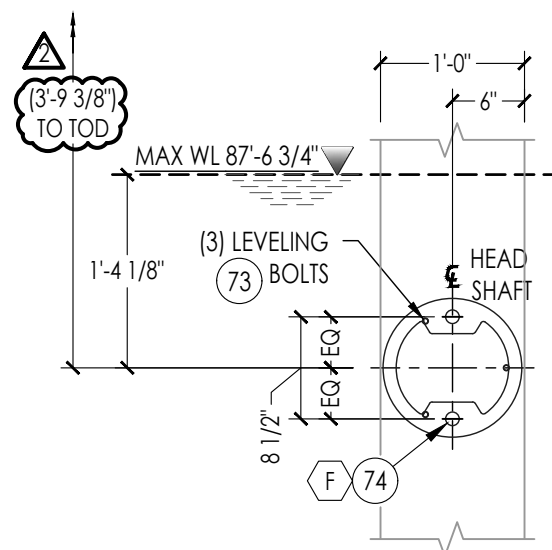
1. SEE WEAR STRIP INSTALLATION DETAILS SHEET-21 FOR REQUIRED INSTALLATION GAPS. WEAR STRIP GAPS SHALL NOT OCCUR OVER THE SPLICE SHOE AREA.
2. OLD CORBELS ARE FULLY REMOVED AND REPLACED WITH NEW CORBELS. MINIMUM CORBEL SIZE SHOWN FOR PROPER EQUIPMENT INSTALLATION. FINAL DESIGN SHALL BE BY OTHERS.
3. PREVIOUS SCREED TO BE REMOVED AND REPLACED AS SHOWN.
4. THE RETURN RAIL IS INSTALLED HORIZONTAL BASED ON THE FIRST KNEE WALL BRACKET LOCATED OF THE FLOOR. DIMENSION IS SHOWN FOR REFERENCE FOR THIS BRACKET.

* SEE NOTE 12 ON SHEET -02

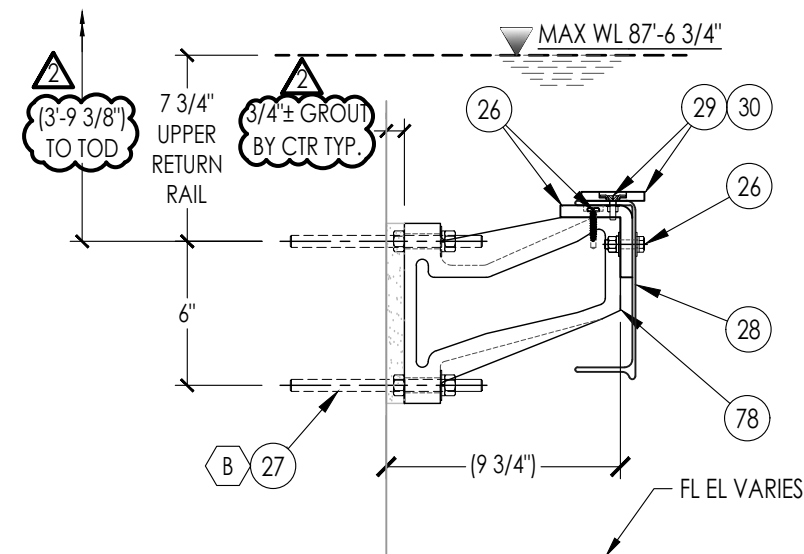
			STATUS		PROJECT TITLE					
			ISSUED FOR INSTALLATION		INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT					
			ISO-9001 REGISTERED		NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3					
2	LOWER RETURN RAIL LEVELLED HORIZONTAL IN LIEU OF PARELLEL TO FLOOR	CONFIDENTIAL PROPERTY OF BRENTWOOD 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.		DRAWN	CHECKER	DRAWING TITLE				
2	ONLY REQUIRED CORBEL SHOWN PER REVIEW COMMENTS BY ENGINEER			RHP	HP	DETAIL SHEET: DETAILS 1-5				
2	NOTES & DIMENSION UPDATED, EXISTING CORBEL REMOVED			24 Jul 23	07 Feb 24					
REV	DESCRIPTION									
SHEET REVISIONS				SCALE		SHEET	DRAWING NUMBER		REV	
				AS NOTED		13 of 26	WGZ0067001 – 13		04	



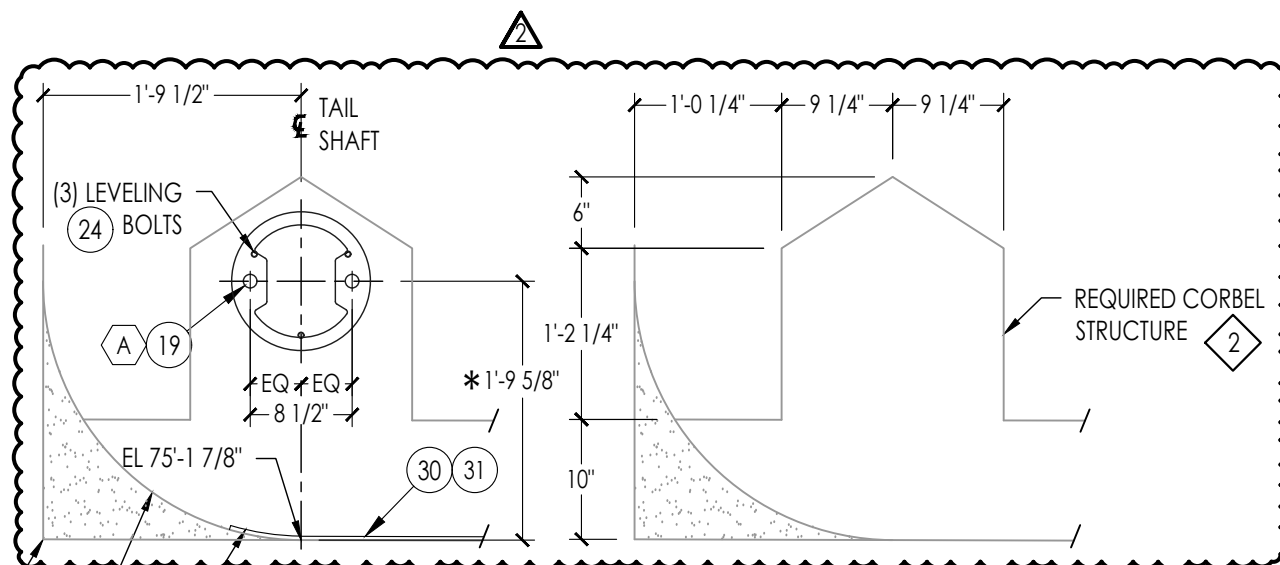
A TYP WALL BRKT / RETURN RAIL
-06, -08, -09, -13 SCALE- 1-1/2"=1'-0"



6 CROSS COLLECTOR HEAD SHAFT
-11 SCALE- 3/4"=1'-0"

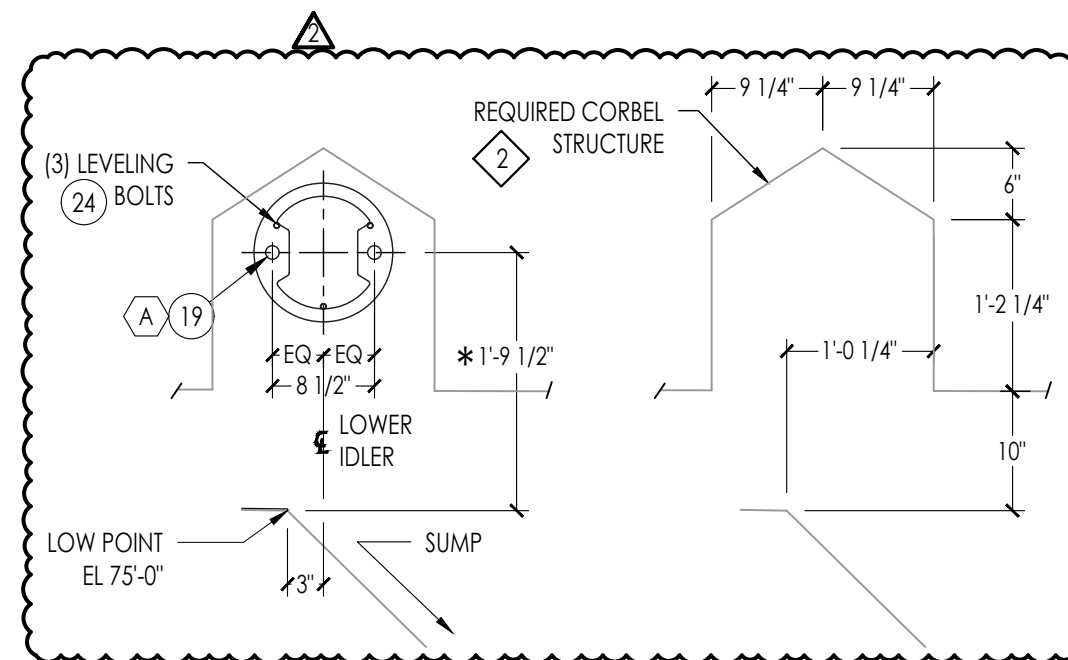


D WALL BRKT / RETURN RAIL - NEAR UPPER IDLER - DRIVE SIDE
-13 SCALE- 1-1/2"=1'-0"



7 CROSS COLLECTOR TAIL SHAFT
-11 SCALE- 3/4"=1'-0"

3 1'-9 1/2" SCREED BY OTHERS
HIGH POINT EL 75'-2"
EXTEND WEAR STRIP 6" BEYOND TAIL SHAFT CENTERLINE



8 CROSS COLLECTOR LOWER IDLER
-11 SCALE- 3/4"=1'-0"

NOTES:

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

* SEE NOTE 12 ON SHEET 2

REV	DESCRIPTION
2	ONLY REQUIRED CORBEL SHOWN PER REVIEW COMMENTS BY ENGINEER
2	NOTES & DIMENSION UPDATED, EXISTING CORBEL REMOVED
SHEET REVISIONS	



February 12, 2024

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

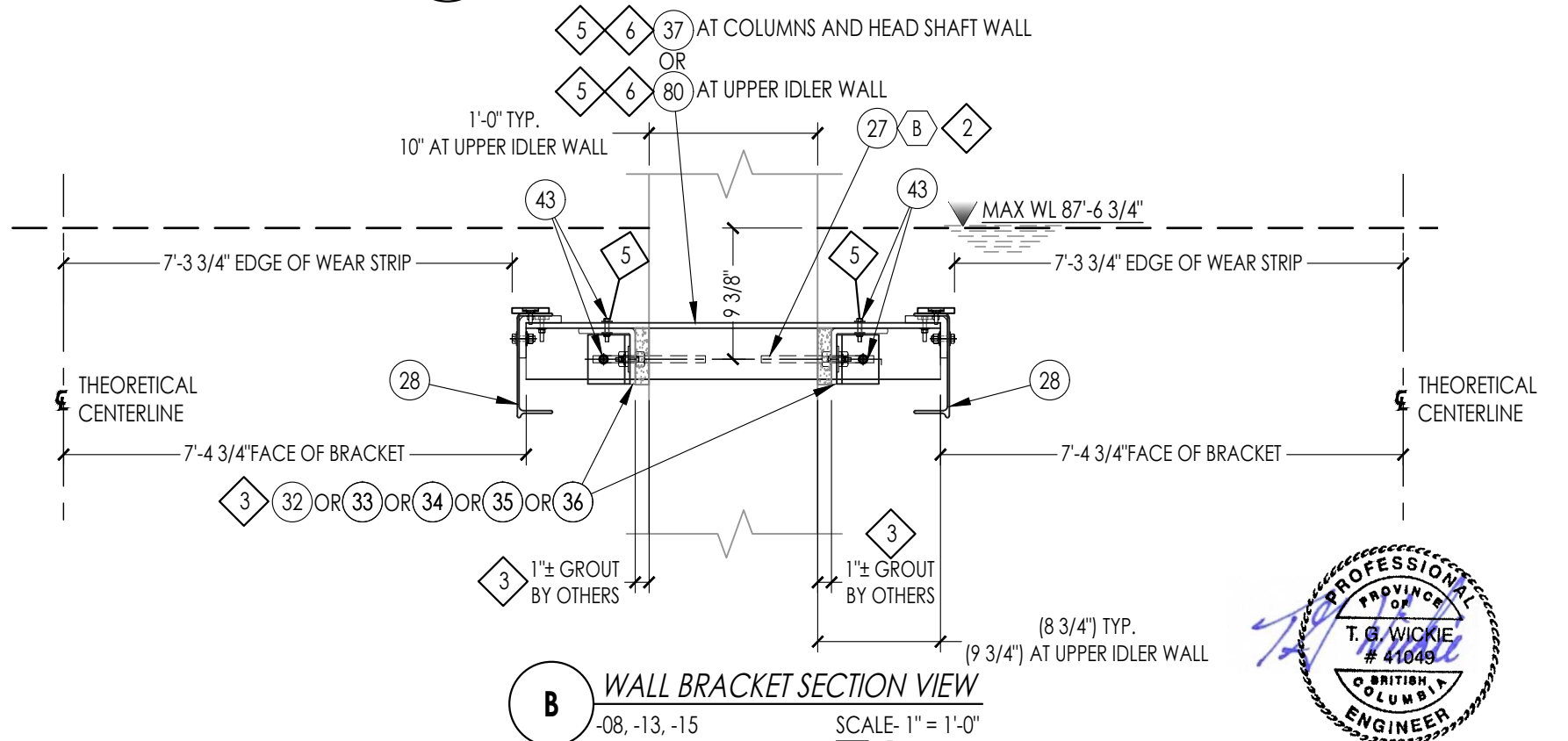
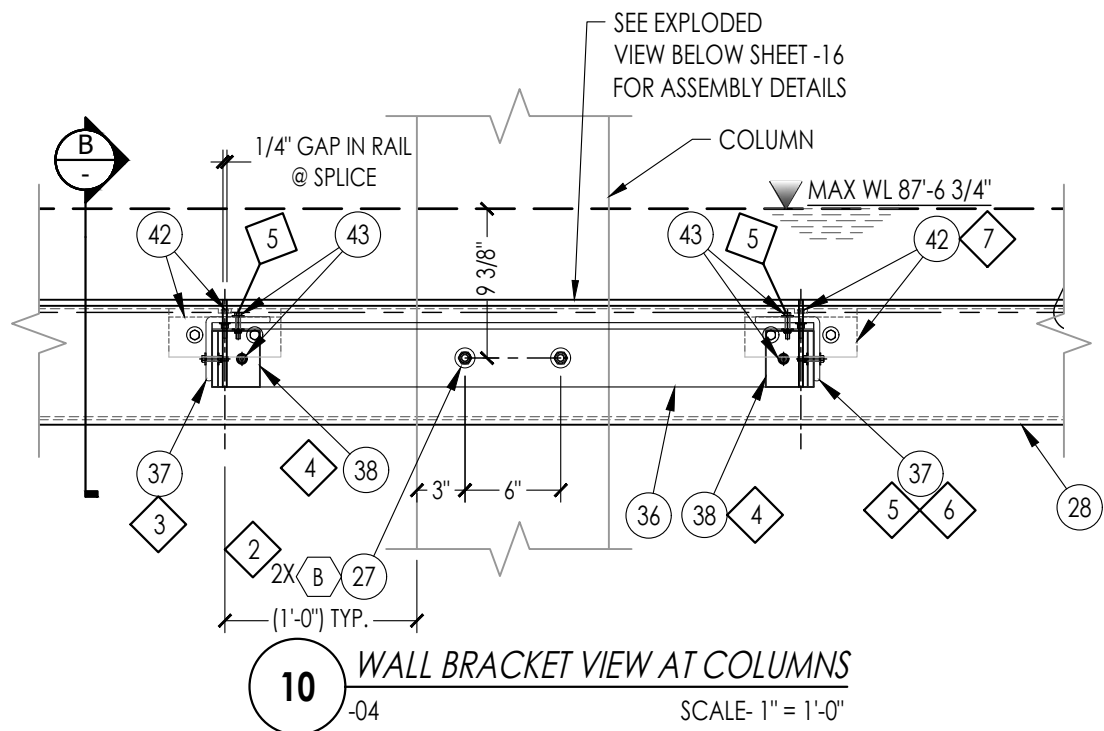
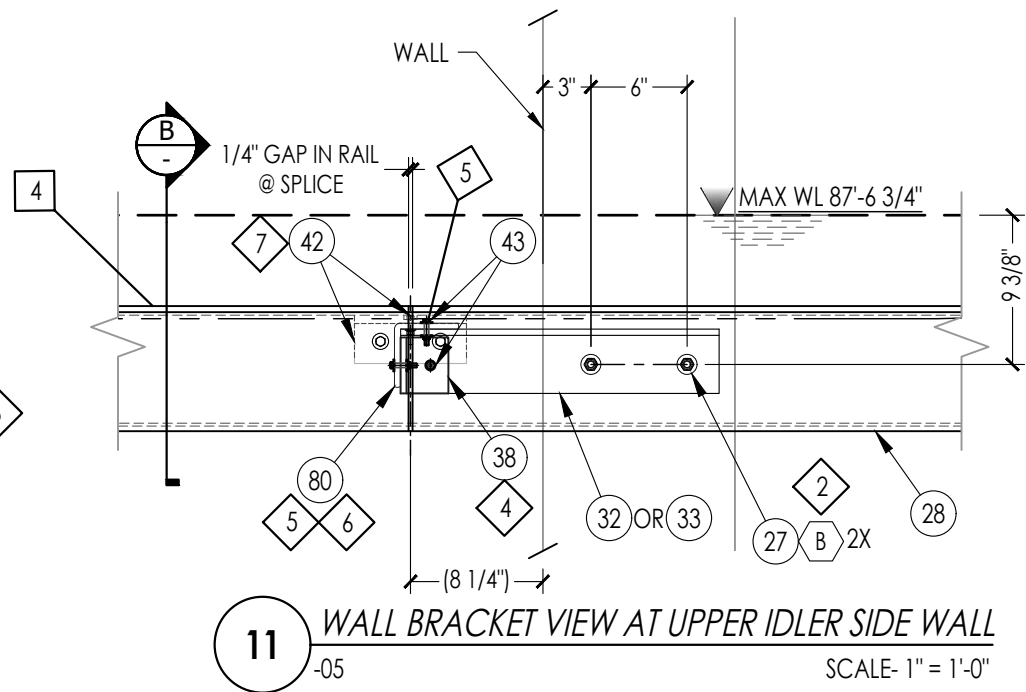
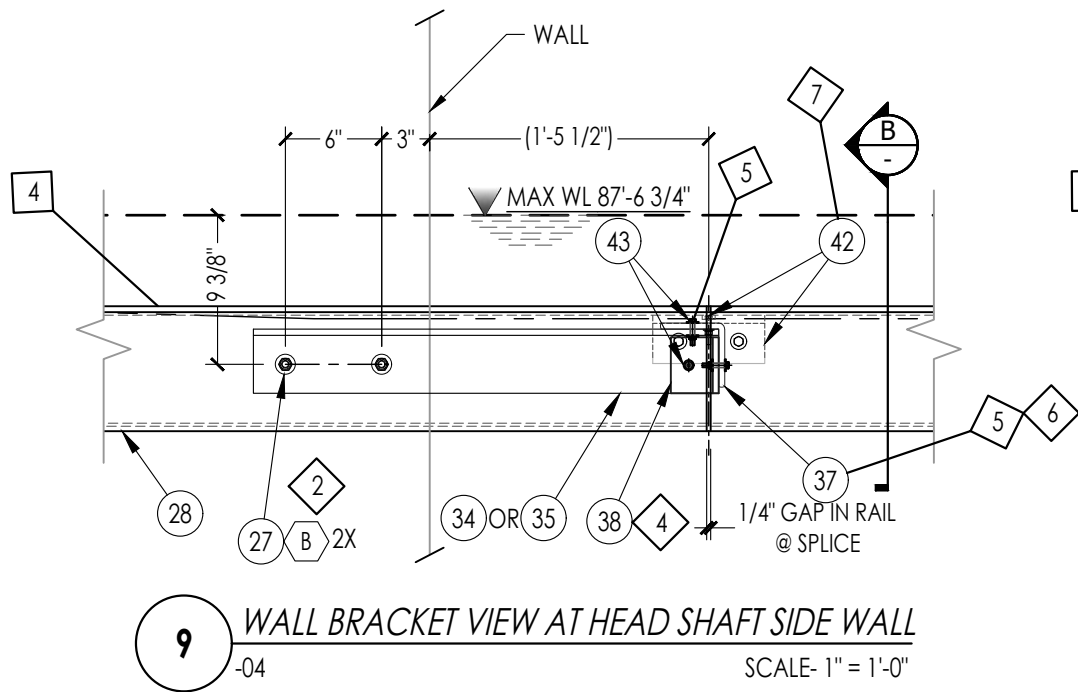


Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

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 PRIMARY SEDIMENTATION TANK 1-3	
DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE DETAIL SHEET: DETAILS 6-8	
SCALE AS NOTED	SHEET 14 of 26	DRAWING NUMBER WGZ0067001 - 14	REV 04



- NOTES:
1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
 2. LOCATE AND INSTALL ANCHORS "B" IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 3. INSTALL LEVELING NUTS/WASHER AS PART OF ANCHOR "B". SET POSITION OF THE WASHER TO ALLOW FOR A NOMINAL 1" GROUT BETWEEN THE ANGLE AND THE CONCRETE COLUMN/WALL. INSTALL ANGLE ITEMS 32, 33, 34, 35, 36 (AS APPLICABLE TO THE LOCATION) OVER ANCHORS AND TIGHTEN HARDWARE.
 4. INSTALL CLIP ANGLE ITEM 38 TO ITEMS 32 THRU 36 USING SUPPLIED HARDWARE ITEM 43.
 5. TEMPORARILY INSTALL ITEM 37 OR 80 ON TOP OF ITEMS 32 THRU 36. ADJUST THE LEVELING ANCHOR HARDWARE TO ALIGN THE PRE-DRILLED HOLES IN ITEM 37 OR 80 WITH CLIP ANGLE ITEM 38 AND FASTEN USING SUPPLIED HARDWARE ITEM 43.
 6. FIELD CUT ITEM 37 OR 80 TO LENGTH BASED ON FACE OF BRACKET LOCATION FROM THE THEORETICAL CHAIN CL.

7. PLACE ITEM 42 (SHOE) ON ITEM 37 OR 80. USE THE HOLE IN THE ATTACHMENT SHOE AS A TEMPLATE. DRILL 5/16" THRU HOLE, MOUNT SHOE USING ITEM 42. PROCEED WITH RETURN RAIL MOUNTING AS OUTLINED IN THE INSTALLATION MANUAL.
8. CONTRACTOR TO GROUT BEHIND ANGLE ITEMS 32 THRU 36 AFTER FINAL ALIGNMENT/LEVELING AND INSPECTION BY BRENTWOOD'S FIELD SERVICE.

REV	DESCRIPTION
	SHEET REVISIONS

	STATUS
	ISSUED FOR INSTALLATION
	ISO-9001 REGISTERED
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.	

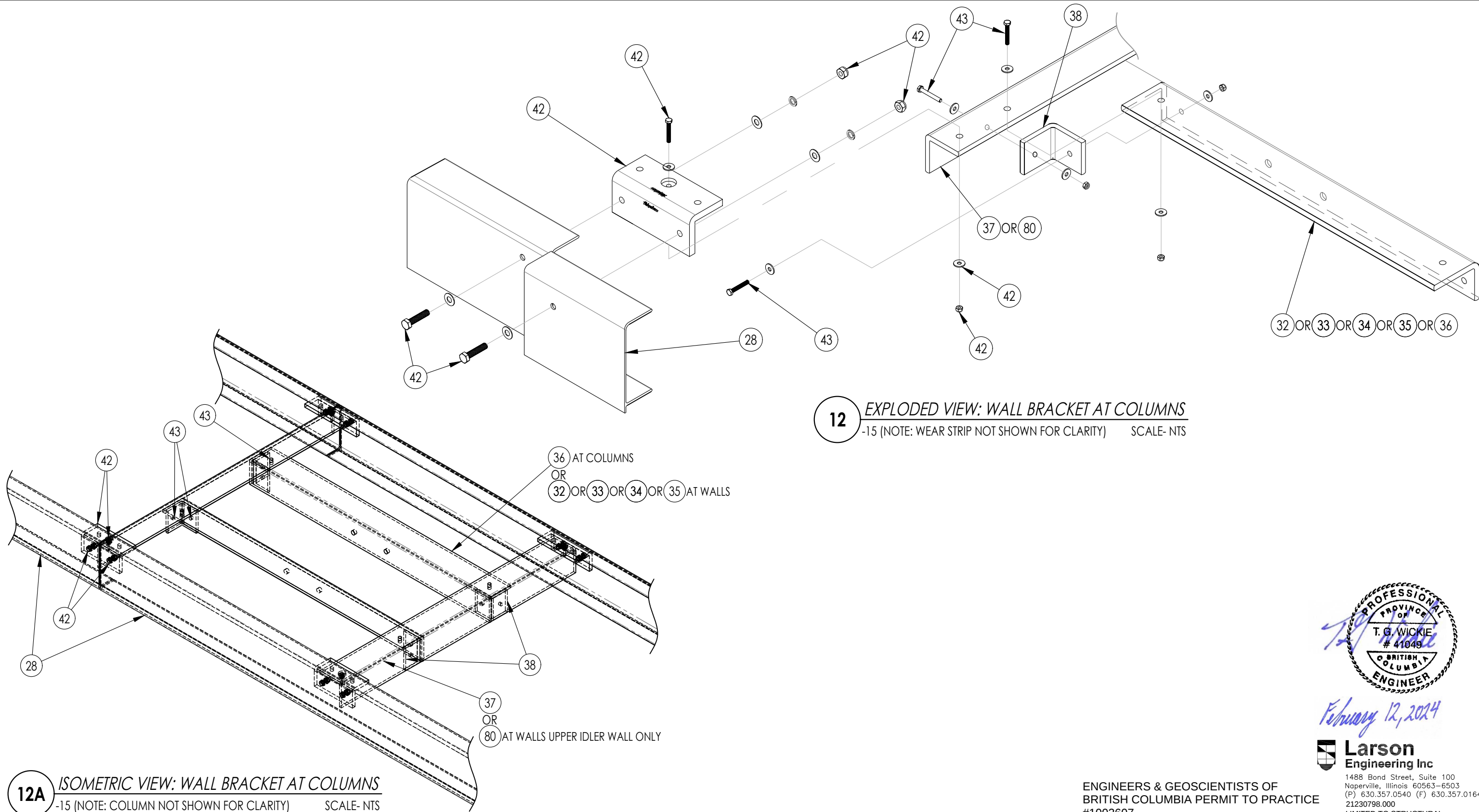
PROJECT TITLE		INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT	
		NANAIMO PST 1-3 & GRIT 1-3, BC	
		PRIMARY SEDIMENTATION TANK 1-3	
DRAWN	CHECKER	DRAWING TITLE	
RHP	HP	DETAIL SHEET: DETAILS 9-11	
24 Jul 23	07 Feb 24		
SCALE	SHEET	DRAWING NUMBER	REV
AS NOTED	15 of 26	WGZ0067001 - 15	04

Larson Engineering Inc
 1488 Bond Street, Suite 100
 Naperville, Illinois 60563-6503
 (P) 630.357.0540 (F) 630.357.0164
 21230798.000
 LIMITED TO STRUCTURAL DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
 BRITISH COLUMBIA PERMIT TO PRACTICE
 #1003607

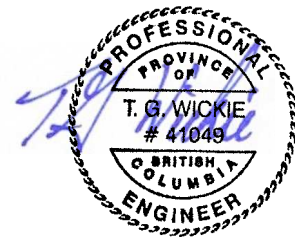


February 12, 2024



12 EXPLODED VIEW: WALL BRACKET AT COLUMNS
-15 (NOTE: WEAR STRIP NOT SHOWN FOR CLARITY) SCALE- NTS

12A ISOMETRIC VIEW: WALL BRACKET AT COLUMNS
-15 (NOTE: COLUMN NOT SHOWN FOR CLARITY) SCALE- NTS

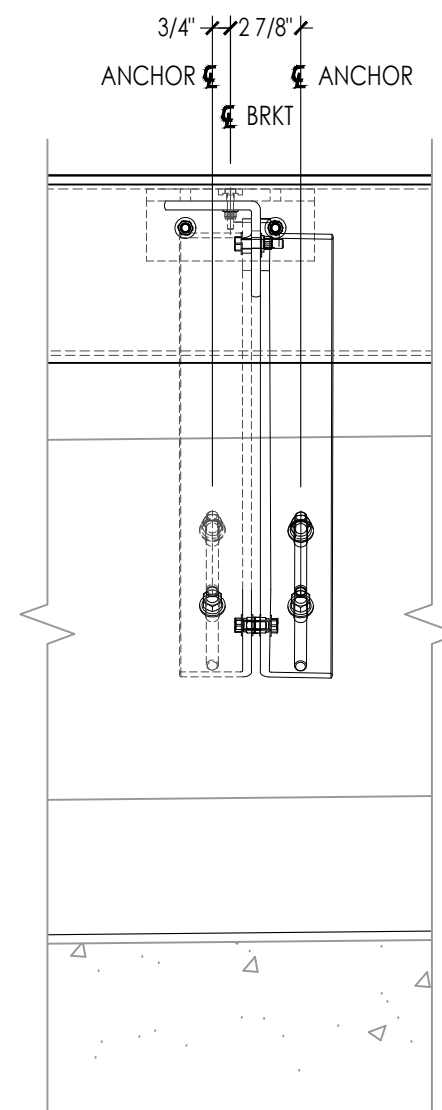


February 12, 2024

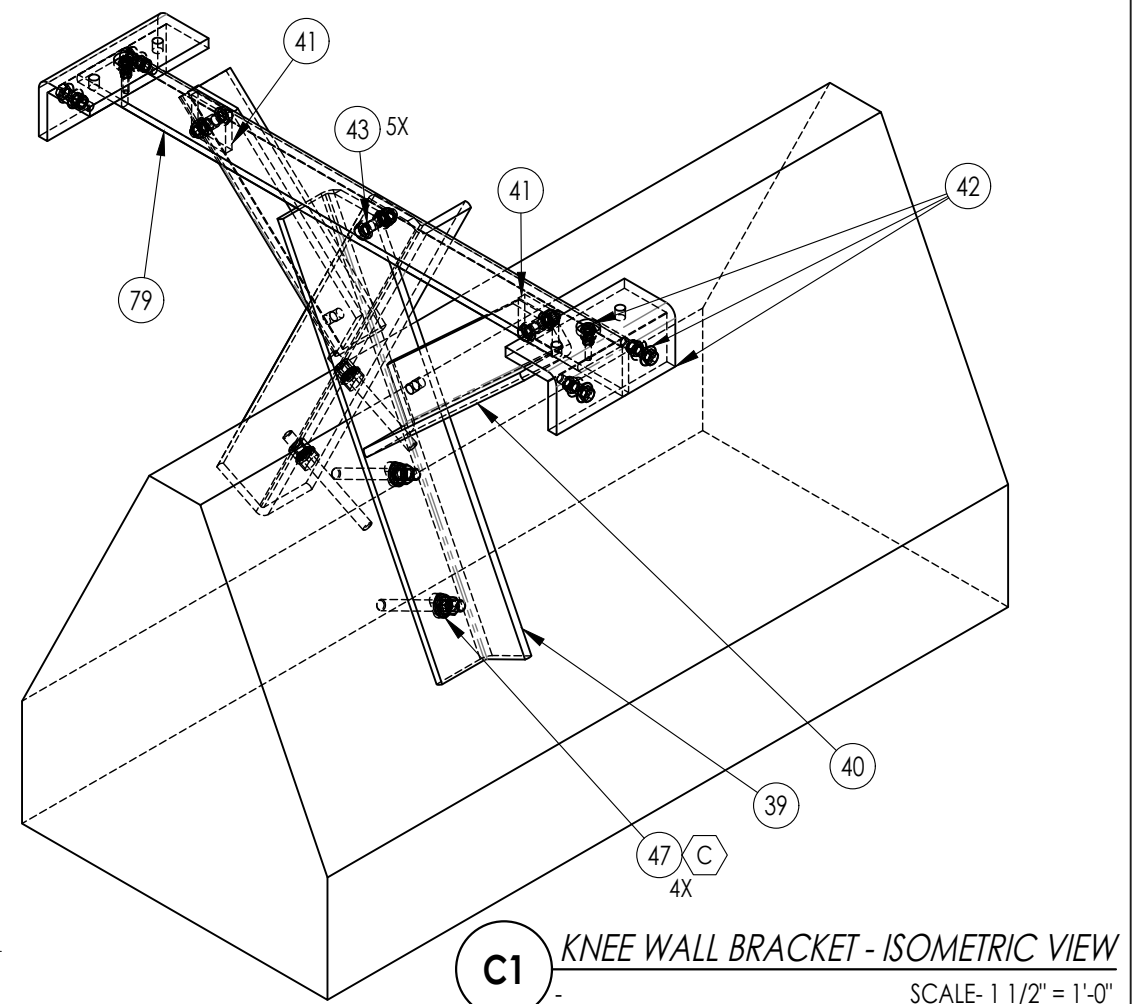
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

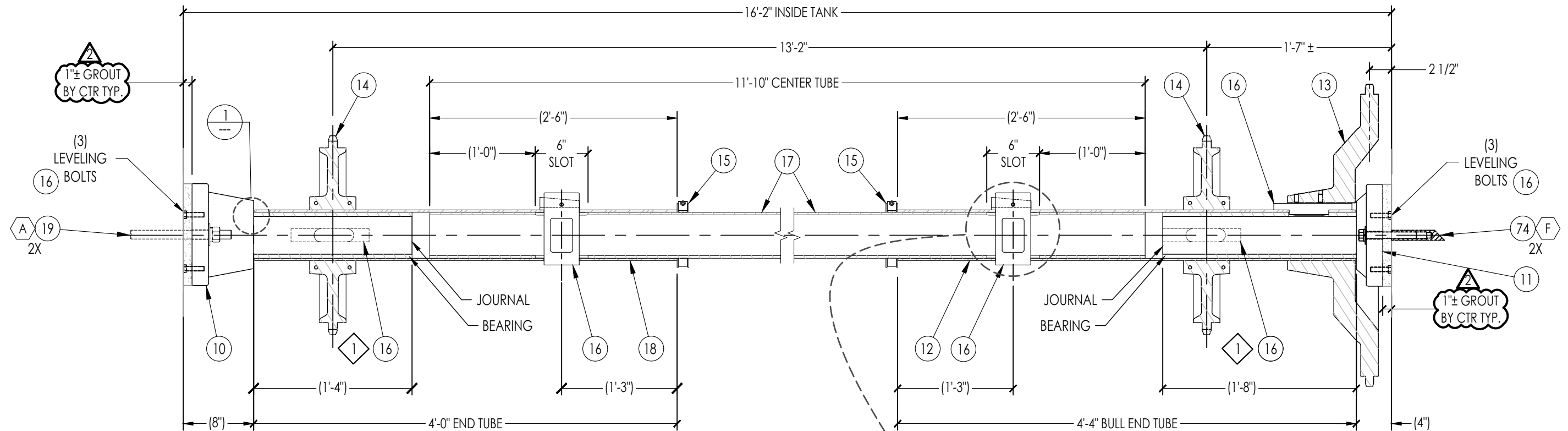
			STATUS		PROJECT TITLE					
			ISSUED FOR INSTALLATION		INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT					
			ISO-9001 REGISTERED		NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3					
		CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC. (HEREINAFTER KNOWN AS, "BRENTWOOD") NOTICE: THIS 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.			DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE			
REV	DESCRIPTION				EXPLODED VIEW: WALL BRACKET AT COLUMNS					
	SHEET REVISIONS				SCALE AS NOTED		SHEET 16 of 26	DRAWING NUMBER WGZ0067001 – 16		REV 04



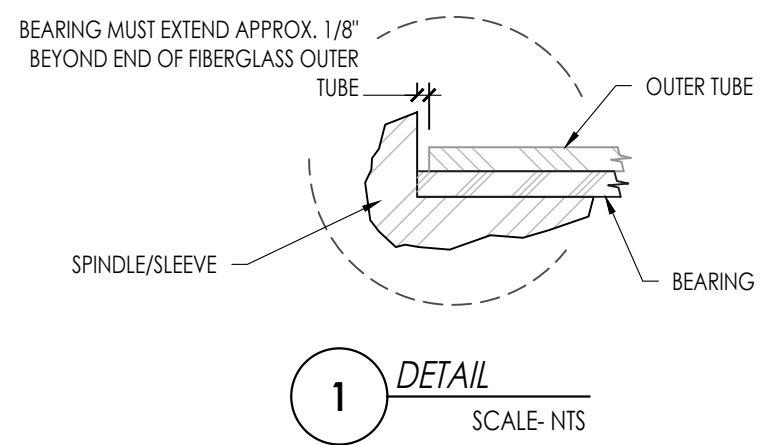
1. LOCATE AND INSTALL ANCHORS "C" IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DRILL PERPENDICULAR TO THE SLOPE. INSTALL ITEMS 39 IN THE CENTER OF THE SLOTS.
2. LOCATE ITEM 79 (4X4 FRP ANGLE) TO PROPER HEIGHT FROM FLOOR AND CENTER ON KNEE WALL. FIELD CHAMFER ITEM 39 AS DEPICTED IN DETAIL C, TO ALLOW INSTALLATION OF ITEM 79. ADJUST ITEMS 39 IN THE SLOTS AS NECESSARY. FIELD DRILL 7/16" DIA. HOLE THRU ITEMS 39, USING ITEM 79 PRE-DRILLED HOLE AS A TEMPLATE. ALL FIELD DRILLED HOLES SHALL MAINTAIN A MINIMUM FRP EDGE DISTANCE OF 1".
3. FASTEN ITEM 40 (2 PLCS.)(3X3 FRP ANGLE) AND ITEM 41 (2 PLCS.) (SPACER) TO ITEM 79 USING HARDWARE ITEM 43. IT MAY BE NECESSARY TO FIELD CUT/CHAMFER THE LENGTH OF ANGLE ITEM 40, TO ALLOW FOR FIT-UP TO ITEM 39. MAINTAIN DEGREE OF THE ANGLE OF ITEM 40 AS SHOWN. FIELD DRILL 7/16" DIA HOLE THRU ITEMS 39 AND 40. FASTEN USING HARDWARE ITEM 43. ALL FIELD DRILLED HOLES SHALL MAINTAIN A MINIMUM FRP EDGE DISTANCE OF 1".
4. FIELD CUT ITEM 79 TO LENGTH BASED ON FACE OF BRACKET LOCATION FROM THE THEORETICAL CHAIN CL.
5. PLACE ITEM 42 (SHOE) ON ITEM 79. USE THE HOLE IN THE ATTACHMENT SHOE AS A TEMPLATE. DRILL 5/16" THRU HOLE, MOUNT SHOE USING ITEM 42. PROCEED WITH RETURN RAIL MOUNTING AS OUTLINED IN THE INSTALLATION MANUAL.

A circular professional engineer seal for the Province of British Columbia. The outer ring contains the text "PROFESSIONAL" at the top and "ENGINEER" at the bottom. Inside the ring, the words "PROVINCE OF" are at the top, "BRITISH COLUMBIA" is at the bottom, and in the center, the name "T. G. WICKIE" and the number "# 41049" are displayed. A blue ink signature is written across the seal.

DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE DETAIL SHEET: KNEE WALL BRACKET			
SCALE AS NOTED		SHEET 17 of 26	DRAWING NUMBER WGZ0067001 - 17		REV 04



13 LONGITUDINAL HEAD SHAFT
-07 SCALE- 1" = 1'-0"

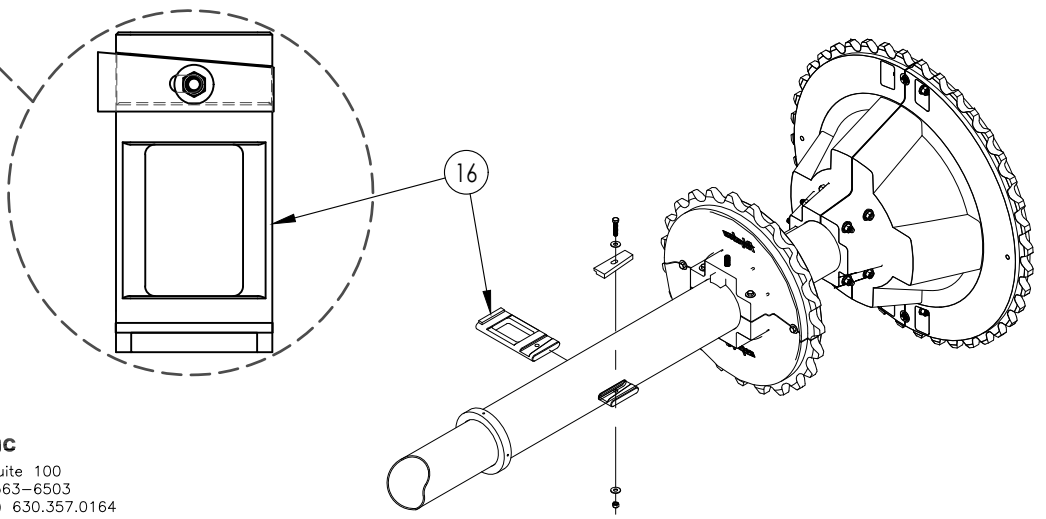


February 12, 2024

PROFESSIONAL
ENGINEER
T. G. WICKIE
41049
BRITISH COLUMBIA

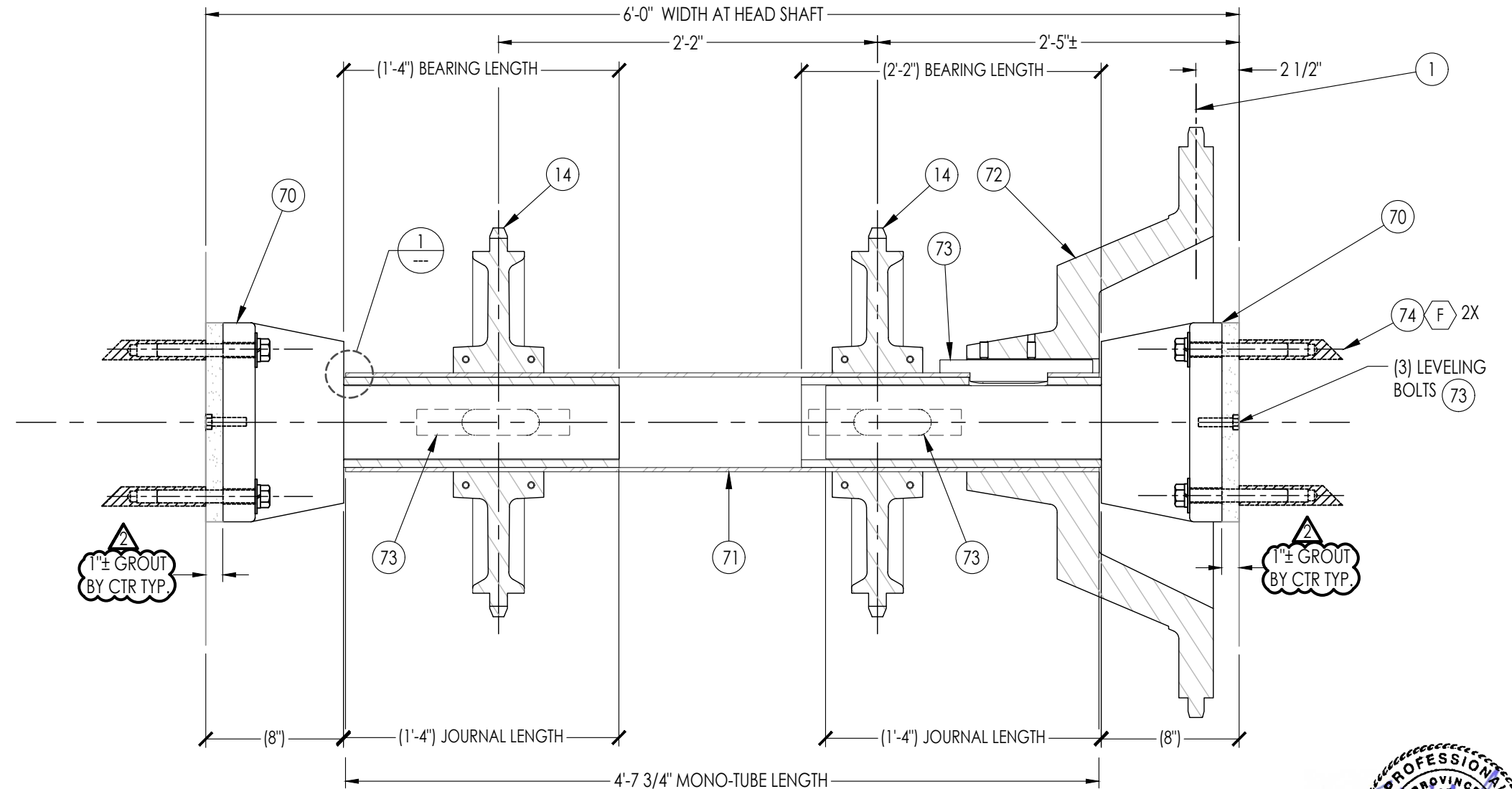
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

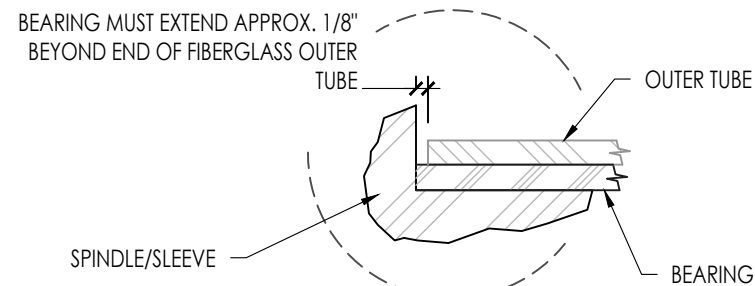


NOTES:
1. ASSEMBLE SHAFT WITH THE END TUBE KEY AND THE BULL END TUBE KEY ON THE SAME SIDE OF SHAFT.

--	--	---



13 CROSS COLLECTOR HEAD SHAFT
-12 SCALE- 1 1/2" = 1'-0"



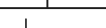
1 DETAIL
SCALE- NTS

NOTES:
1.

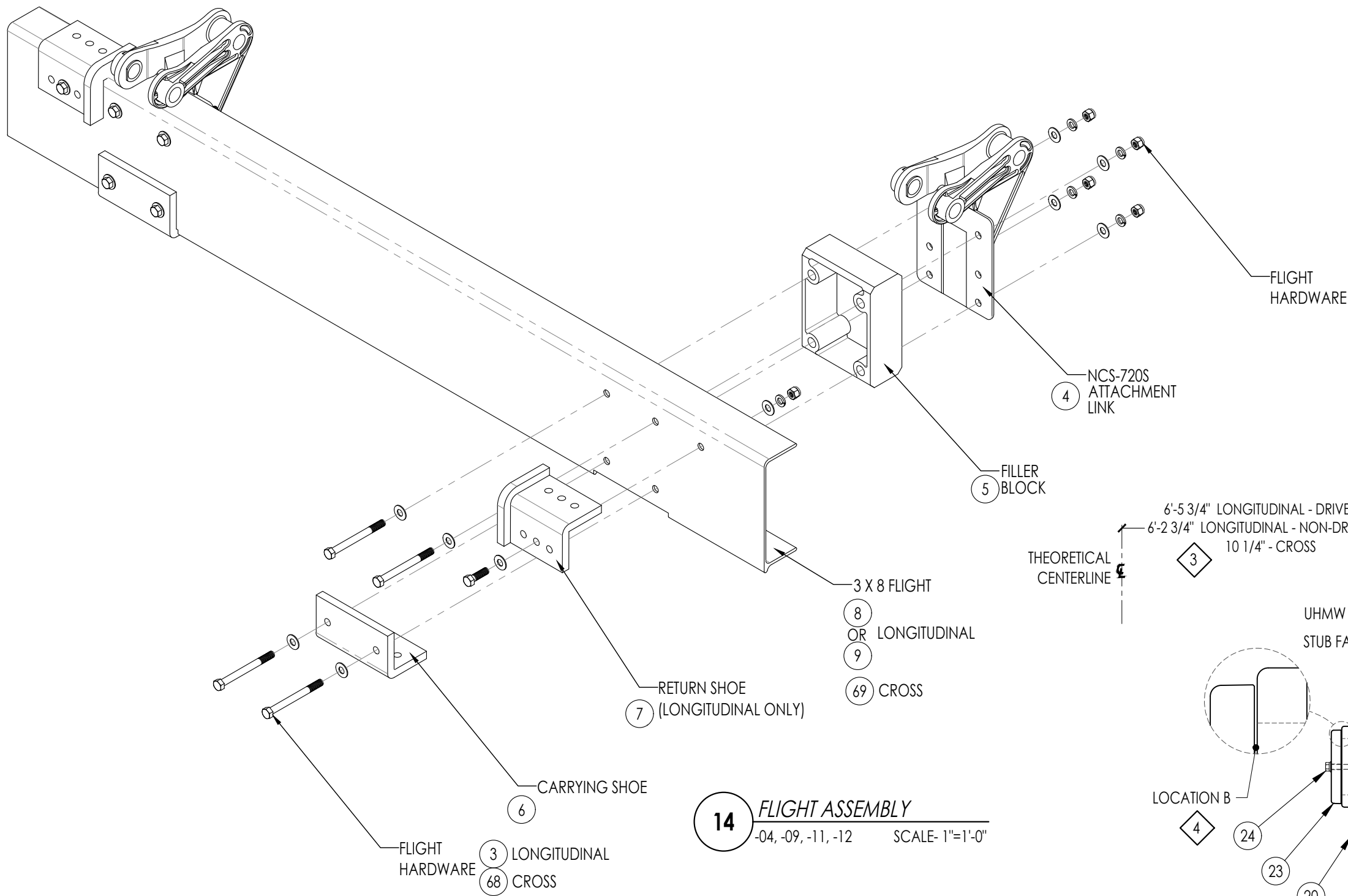


ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

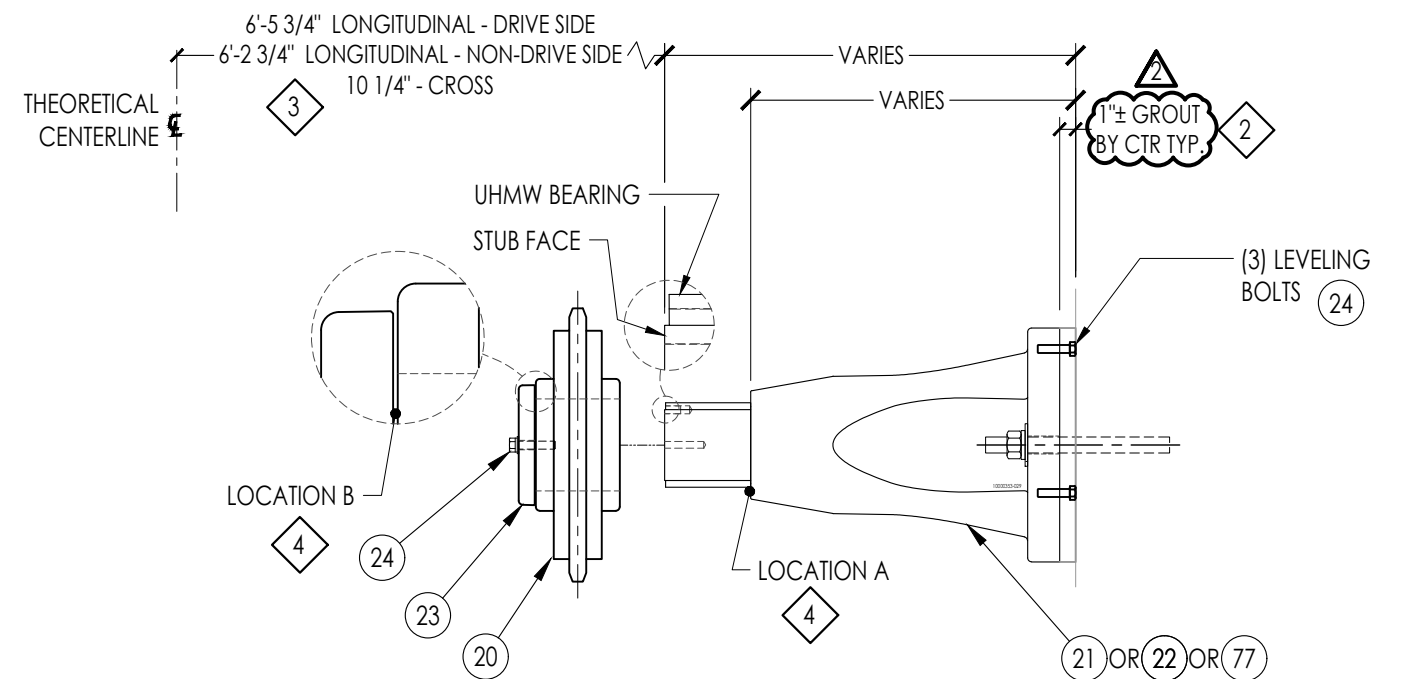
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

			STATUS	PROJECT TITLE				
			ISSUED FOR INSTALLATION	INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT				
			ISO-9001 REGISTERED	NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3				
	DIMENSION UPDATED PER REVIEW COMMENTS BY ENGINEER	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.		DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE		
REV	DESCRIPTION			DETAIL SHEET: CROSS COLLECTOR HEAD SHAFT				
SHEET REVISIONS				SCALE AS NOTED		SHEET 19 of 26	DRAWING NUMBER WGZ0067001 – 19	REV 04

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.



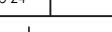
14 FLIGHT ASSEMBLY
-04, -09, -11, -12 SCALE- 1"=1'-0"



15 STUB SHAFT INSTALLATION
-07, -09, -10, -12 SCALE- 1"=1'-0"

NOTES:

1. DIMENSIONS AND BOM CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS, UNLESS OTHERWISE NOTED.
2. WHERE NO GROUT IS REQUIRED, SHIM (BY OTHERS) TO MAKE LEVEL IN LIEU OF LEVELING BOLTS.
3. INSTALL STUB SHAFT USING STUB FACE DIMENSIONS SHOWN.
4. INSTALL SPROCKET TO CHAIN CENTERLINE DIMENSIONS SHOWN IN SECTION VIEW. ENSURE EQUAL SPACING AT LOCATION A AND B. THIS SPACING IS CRITICAL FOR PROPER SYSTEM PERFORMANCE. ADJUST FACE OF SHAFT DIMENSION IF NEEDED TO OBTAIN SPROCKET CENTERLINE.
5. TYPICAL INSTALLATION FOR ALL STUB SHAFTS.

			STATUS		PROJECT TITLE				
			ISSUED FOR INSTALLATION		INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT				
			ISO-9001 REGISTERED		NANAIMO PST 1-3 & GRIT 1-3, BC				
					PRIMARY SEDIMENTATION TANK 1-3				
	DIMENSION UPDATED PER REVIEW COMMENTS BY ENGINEER		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.		DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE		
REV	DESCRIPTION				DETAIL SHEET: FLIGHT ASSEMBLY & STUB SHAFT INSTALLATION				
SHEET REVISIONS					SCALE AS NOTED		SHEET 20 of 26	DRAWING NUMBER WGZ0067001 – 20	REV 04

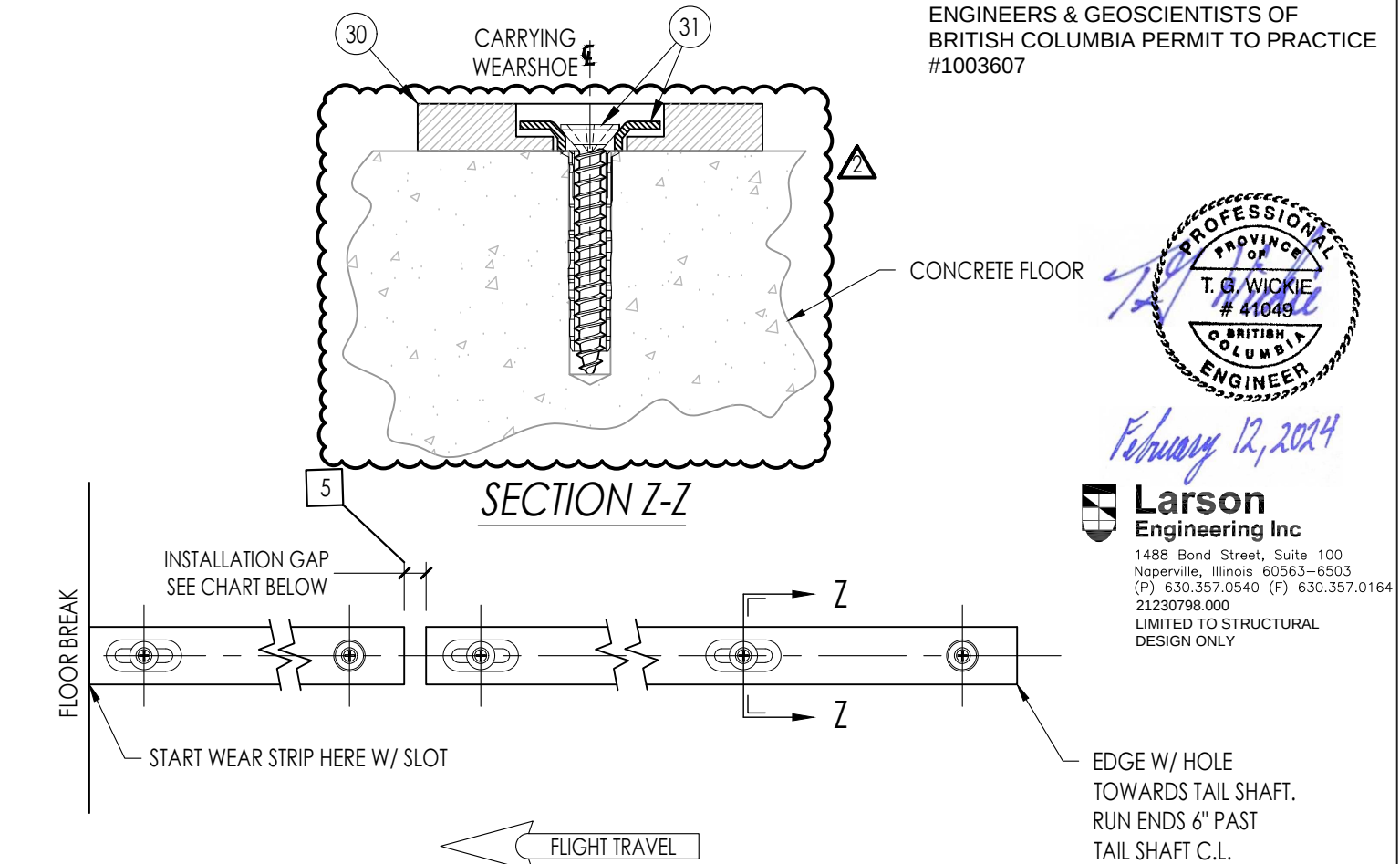
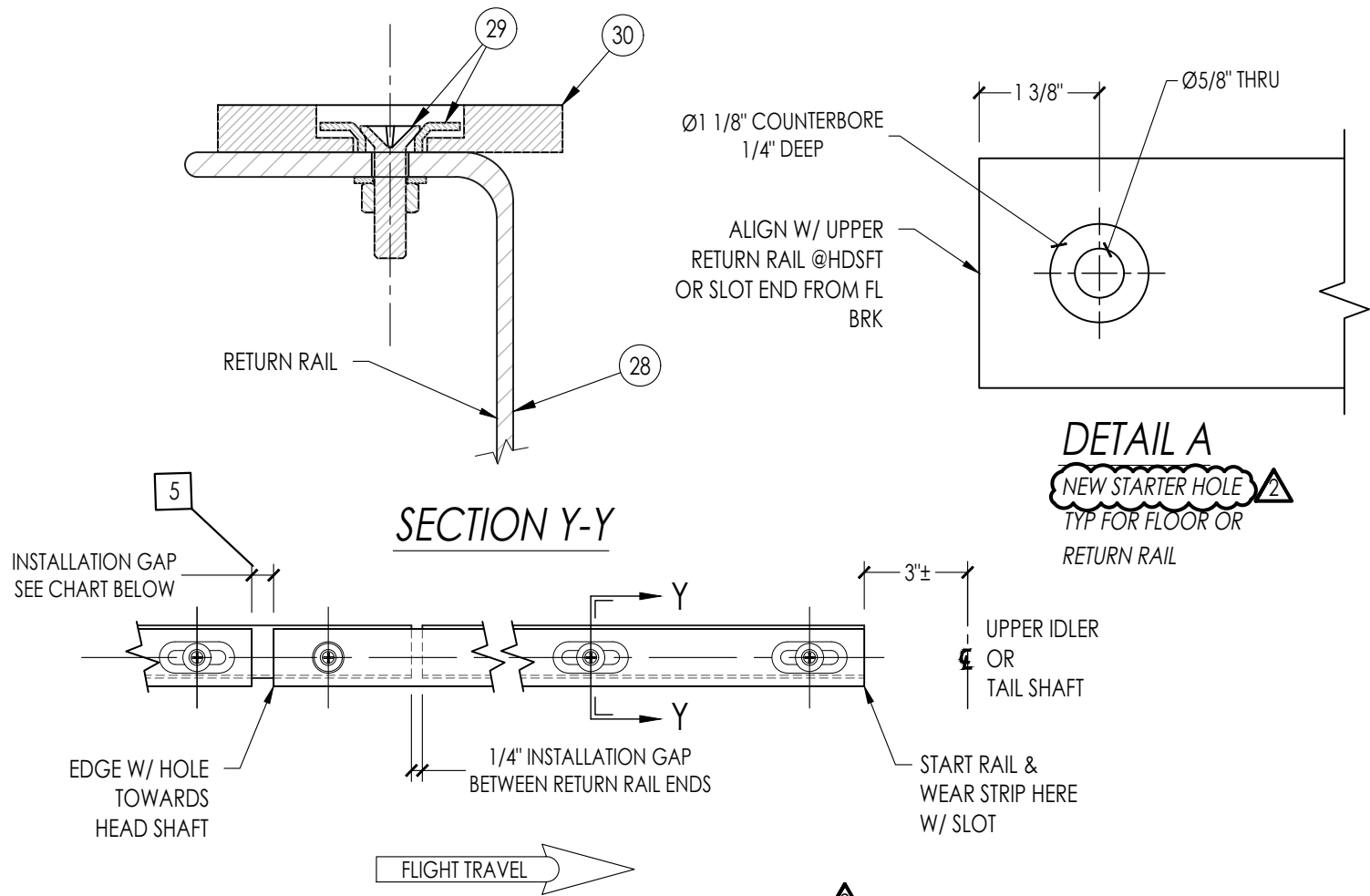


February 12, 2024

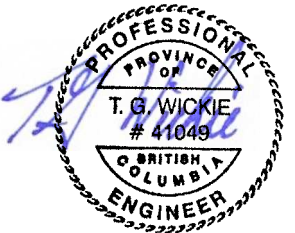
Larson Engineering Inc

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY



ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607



Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

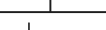
INSTALLATION NOTES (RETURN RAIL WEAR STRIPS) :

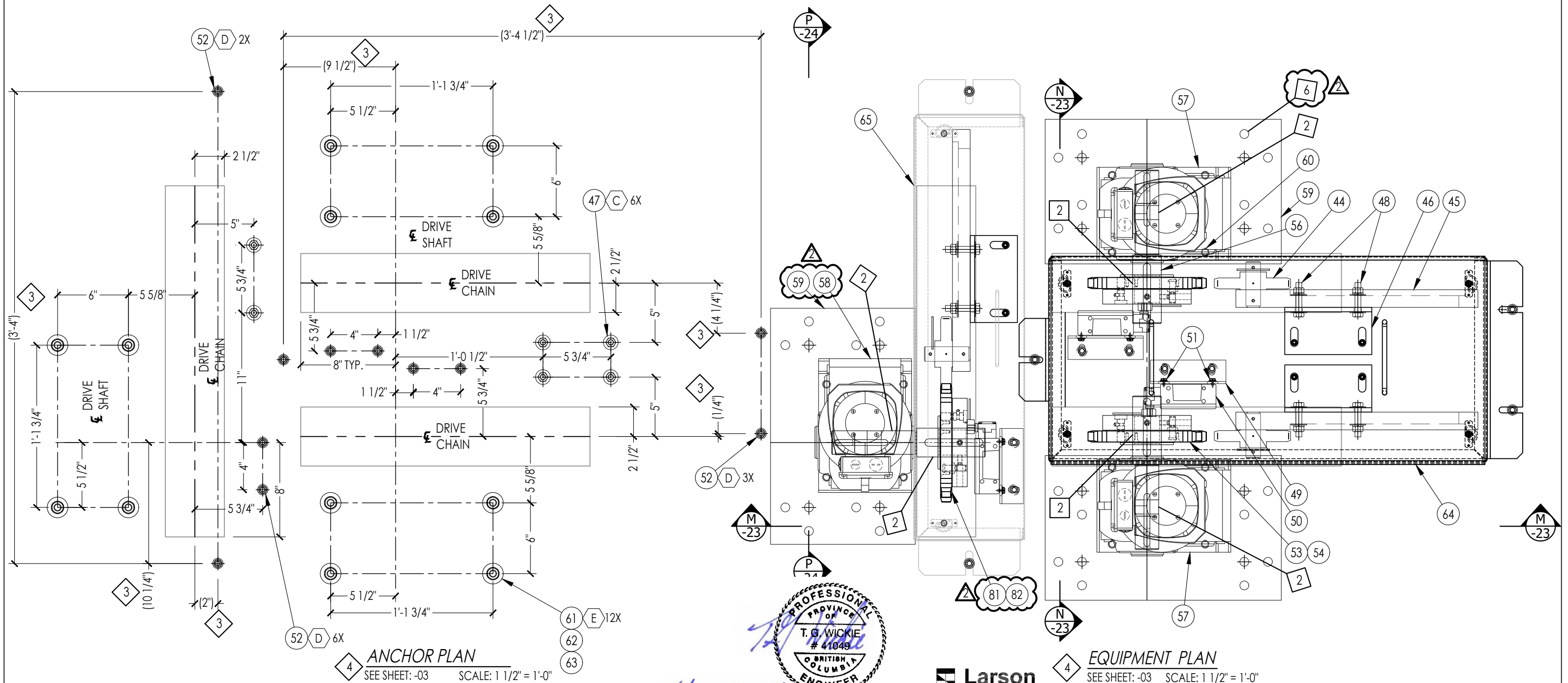
1. THE ORIENTATION OF THE WEAR STRIP IS CRITICAL AND SHOULD BE ORIENTED IN THE DIRECTION OF TRAVEL. RETURN RAIL WEAR STRIPS ARE INSTALLED WITH THE ROUND HOLE TOWARDS HEAD SHAFT.
2. STARTING AT THE UPPER IDLER OR TAIL SHAFT END OF THE RETURN RAIL, LOCATE THE EDGE OF THE WEAR STRIP FROM THE THEORETICAL 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 NOTES (FLOOR WEAR STRIPS) :

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 TJSFT.
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"

			STATUS	PROJECT TITLE			
			ISSUED FOR INSTALLATION	INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT			
			ISO-9001 REGISTERED	NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3			
2	FLOOR ANCHOR UPDATED TO HILTI HUD-2 PER REVIEW COMMENTS BY ENGINEER	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.	DRAWN	CHECKER	DRAWING TITLE		
2	DETAIL AND CALLOUTS UPDATED PER REVIEW COMMENTS BY ENGINEER		RHP	HP	DETAIL SHEET: WEAR STRIP INSTALLATION		
			24 Jul 23	07 Feb 24			
REV	DESCRIPTION		SCALE			SHEET	DRAWING NUMBER
	SHEET REVISIONS	NTS			21 of 26	WGZ0067001 – 21	04



- 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.
 - CROSS LAYOUT IS TYPICAL OF TANKS 1 AND 3. LONGITUDINAL LAYOUT IS TYPICAL FOR ALL TANKS.
 - 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.

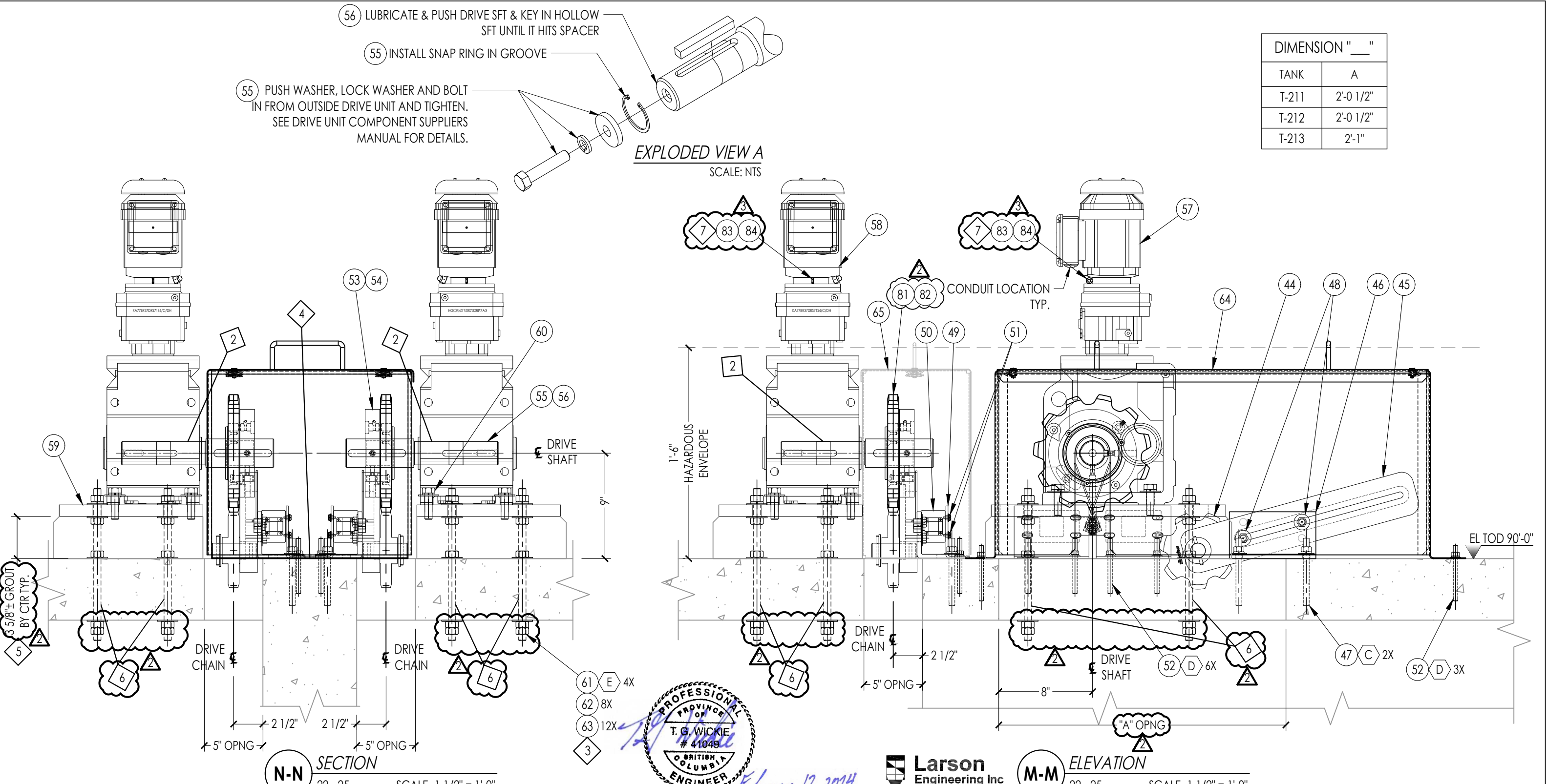
February 12, 2024

PROFESSIONAL
ENGINEER
T. G. WICKIE
41049
BRITISH COLUMBIA

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

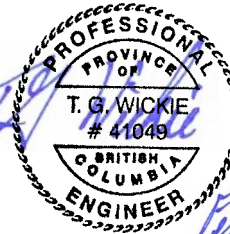
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

SHEET REVISIONS		STATUS		PROJECT TITLE	
REV	DESCRIPTION	ISSUED FOR INSTALLATION	ISO-9001 REGISTERED	INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3	
2	NOTE ADDED, BALLOON UPDATED PER REVIEW COMMENTS BY ENGINEER	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.		DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24
		DRAWING TITLE DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS PLAN VIEWS - TANK T-211 & T-213		SCALE AS NOTED	SHEET 22 of 26
		DRAWING NUMBER WGZ0067001 - 22		REV 04	



DIMENSION " "	
TANK	A
T-211	2'-0 1/2"
T-212	2'-0 1/2"
T-213	2'-1"

- 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. HILTI ADHESIVE NOT REQUIRED FOR THRU DECK BOLTING.
 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. PER THE ENGINEER, GROUT SHALL BE AGGREGATE CONTAINING PRODUCT, 3,000 PSI MIN.
 6. PILOT DRILL HOLE FROM BOTTOM/TOP TO AVOID SPALLING DAMAGE TO EXISTING CONCRETE SLAB.
 7. CONTRACTOR TO USE THE RING SUPPLIED WITH THE GEAR REDUCER TO ATTACH TAGS.



ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

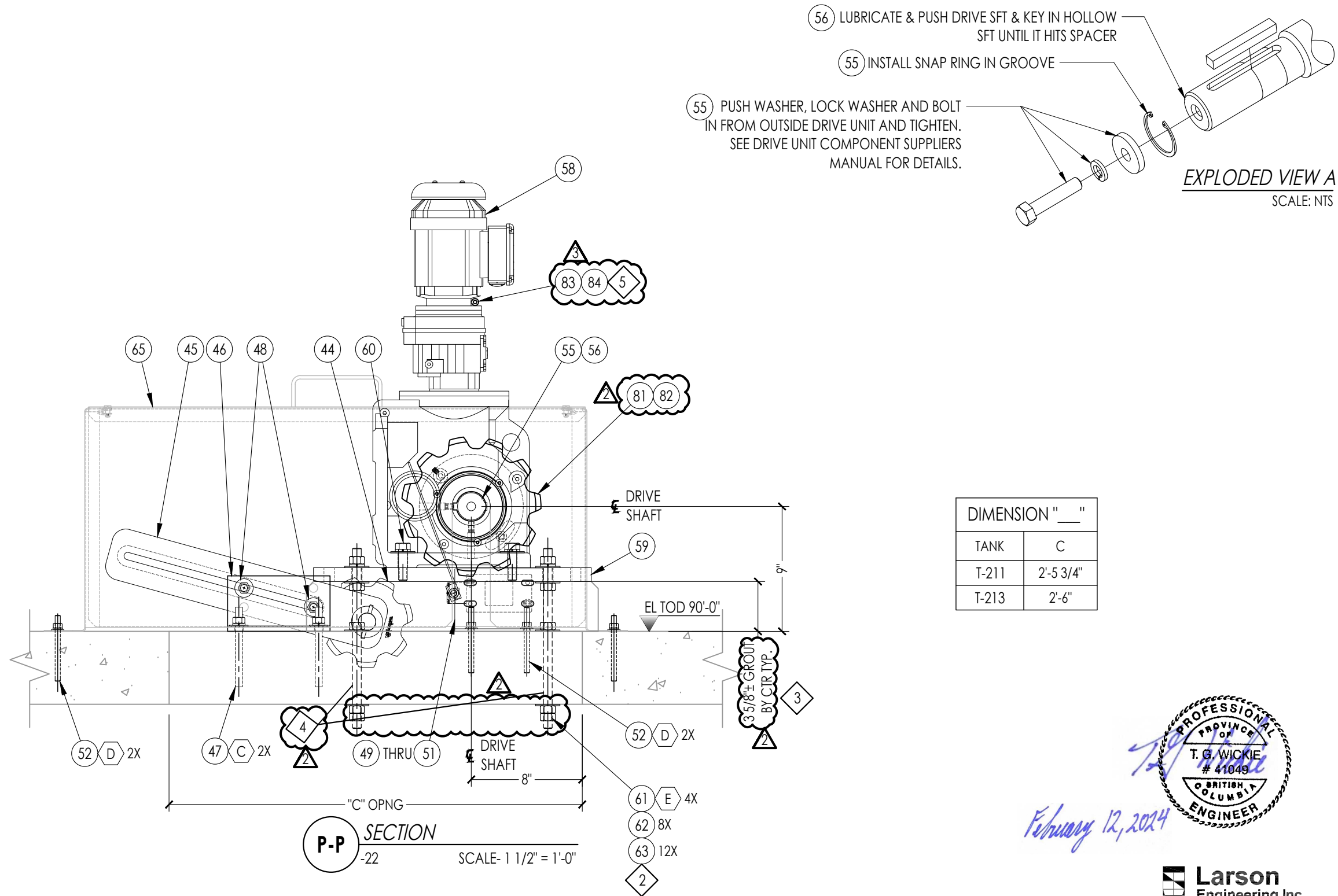
Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

REV	DESCRIPTION
3	NOTE 6 UPDATED PER REVIEW COMMENTS BY ENGINEER, BALLONS AND NOTE 7 ADDED
2	NOTE 5 & 6, BALLOON & DIMENSION UPDATED PER REVIEW COMMENTS BY ENGINEER
1	DRIVE ANCHORS UPDATED TO DOUBLE NUTS BELOW DECK, BASE PLATE THICKNESS UPDATED

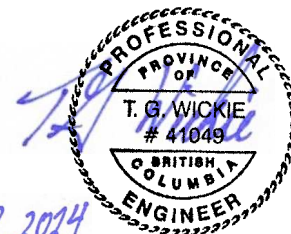
CONFIDENTIAL PROPERTY OF BRENTWOOD INDUSTRIES INC.
(HEREINAFTER KNOWN AS, "BRENTWOOD")
NOTICE: THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF BRENTWOOD. THE RECIPIENT OF THIS DOCUMENT AGREES TO USE THE INFORMATION CONTAINED HEREIN FOR THE LIMITED PURPOSE OF WHICH 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 PRIMARY SEDIMENTATION TANK 1-3	
DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24
DRAWING TITLE DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS SECTIONS & ELEVATIONS	
SCALE AS NOTED	SHEET 23 of 26
DRAWING NUMBER WGZ0067001 - 23	REV 04



DIMENSION " ____ "	
TANK	C
T-211	2'-5 3/4"
T-213	2'-6"



Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607

- NOTES:
- DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
 - HILTI ADHESIVE NOT REQUIRED FOR THRU DECK BOLTING.
 - PER THE ENGINEER, GROUT SHALL BE AGGREGATE CONTAINING PRODUCT, 3,000 PSI MIN.
 - PILOT DRILL HOLE FROM BOTTOM/TOP TO AVOID SPALLING DAMAGE TO EXIT SIDE OF CONCRETE SLAB.
 - CONTRACTOR TO USE THE RING SUPPLIED WITH THE GEAR REDUCER TO ATTACH TAGS.

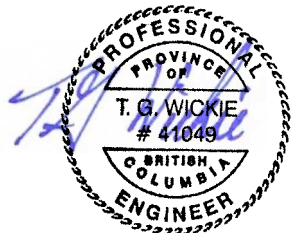
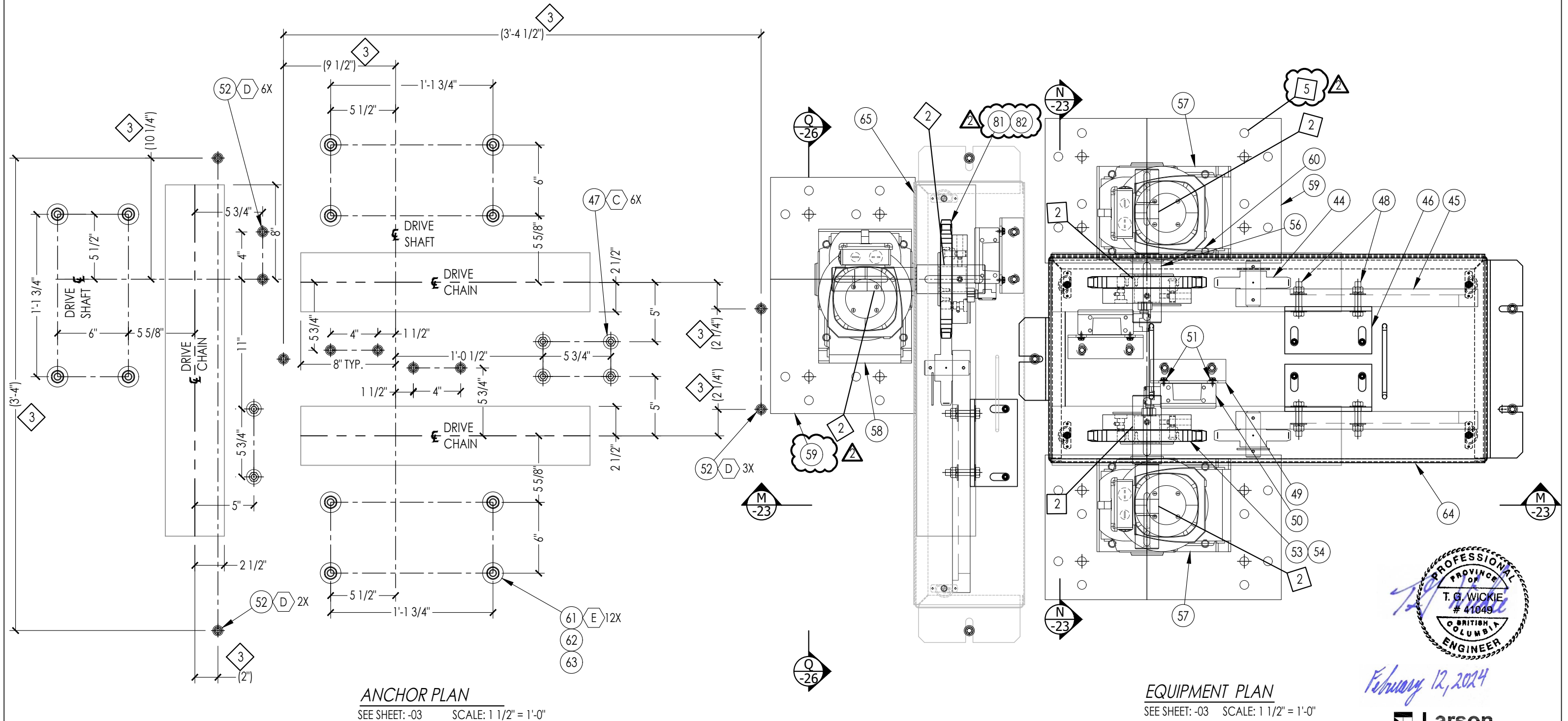
REV	DESCRIPTION
3	NOTE 4 UPDATED PER REVIEW COMMENTS BY ENGINEER, BALLONS AND NOTE 5 ADDED
2	NOTE 3 & 4 ADDED PER REVIEW COMMENTS BY ENGINEER, BALLOON UPDATED
2	BASE PLATE THICKNESS UPDATED PER REVIEW COMMENTS BY ENGINEER
2	DRIVE ANCHORS UPDATED TO DOUBLE NUTS BELOW DECK, DIMENSION UPDATED
SHEET REVISIONS	



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		DRAWING TITLE	
INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3		DRIVE UNIT LAYOUT: CROSS TANK T-211 & T-213 - SECTION	
DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	SHEET 24 of 26	DRAWING NUMBER WGZ0067001 - 24
SCALE AS NOTED	REV 04		



February 12, 2024

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL DESIGN ONLY

- 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.

REV	DESCRIPTION
2	NOTE & BALLOON ADDED UPDATED PER REVIEW COMMENTS BY ENGINEER, BALLOON ADDED

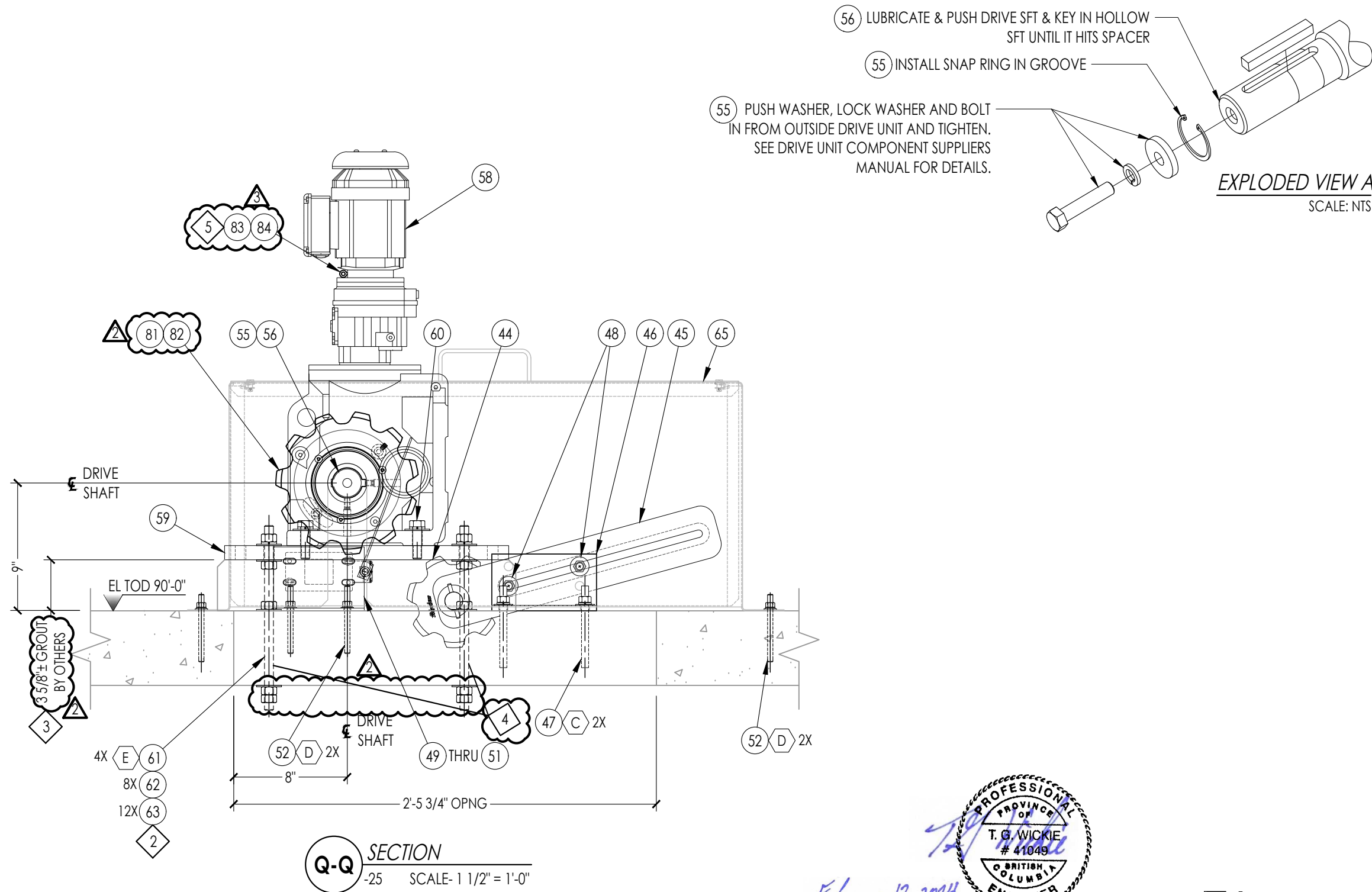
STATUS: ISSUED FOR INSTALLATION

ISO-9001 REGISTERED

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.

ENGINEERS & GEOSCIENTISTS OF BRITISH COLUMBIA PERMIT TO PRACTICE #1003607		PROJECT TITLE INSTALLATION AND LAYOUT FOR COLLECTION EQUIPMENT NANAIMO PST 1-3 & GRIT 1-3, BC PRIMARY SEDIMENTATION TANK 1-3	
DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE DRIVE UNIT LAYOUT: LONGITUDINAL & CROSS PLAN VIEWS - TANK T-212	
SCALE AS NOTED	SHEET 25 of 26	DRAWING NUMBER WGZ0067001 - 25	REV 04



NOTES:

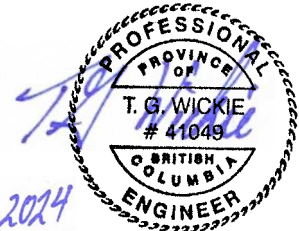
- DIMENSIONS AND B.O.M. CALLOUTS ARE CONSIDERED TYPICAL FOR ALL TANKS UNLESS OTHERWISE NOTED.
- HILTI ADHESIVE NOT REQUIRED FOR THRU DECK BOLTING.
- PER THE ENGINEER, GROUT SHALL BE AGGREGATE CONTAINING PRODUCT, 3,000 PSI MIN.
- PILOT DRILL HOLE FROM BOTTOM/TOP TO AVOID SPALLING DAMAGE TO EXIT SIDE OF CONCRETE SLAB.
- CONTRACTOR TO USE THE RING SUPPLIED WITH THE GEAR REDUCER TO ATTACH TAGS.

REV	DESCRIPTION
3	NOTE 4 UPDATED PER REVIEW COMMENTS BY ENGINEER, BALLONS AND NOTE 5 ADDED
2	NOTE 3 & 4 ADDED PER REVIEW COMMENTS BY ENGINEER, BALLOON UPDATED
2	BASE PLATE THICKNESS UPDATED PER REVIEW COMMENTS BY ENGINEER
2	DRIVE ANCHORS UPDATED TO DOUBLE NUTS BELOW DECK, DIMENSION UPDATED
SHEET REVISIONS	

 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 PRIMARY SEDIMENTATION TANK 1-3

DRAWN RHP 24 Jul 23	CHECKER HP 07 Feb 24	DRAWING TITLE DRIVE UNIT LAYOUT: CROSS TANK T-212 - SECTION
SCALE AS NOTED	SHEET 26 of 26	DRAWING NUMBER WGZ0067001 - 26
		REV 04

Larson Engineering Inc
1488 Bond Street, Suite 100
Naperville, Illinois 60563-6503
(P) 630.357.0540 (F) 630.357.0164
21230798.000
LIMITED TO STRUCTURAL
DESIGN ONLY



February 12, 2024

ENGINEERS & GEOSCIENTISTS OF
BRITISH COLUMBIA PERMIT TO PRACTICE
#1003607