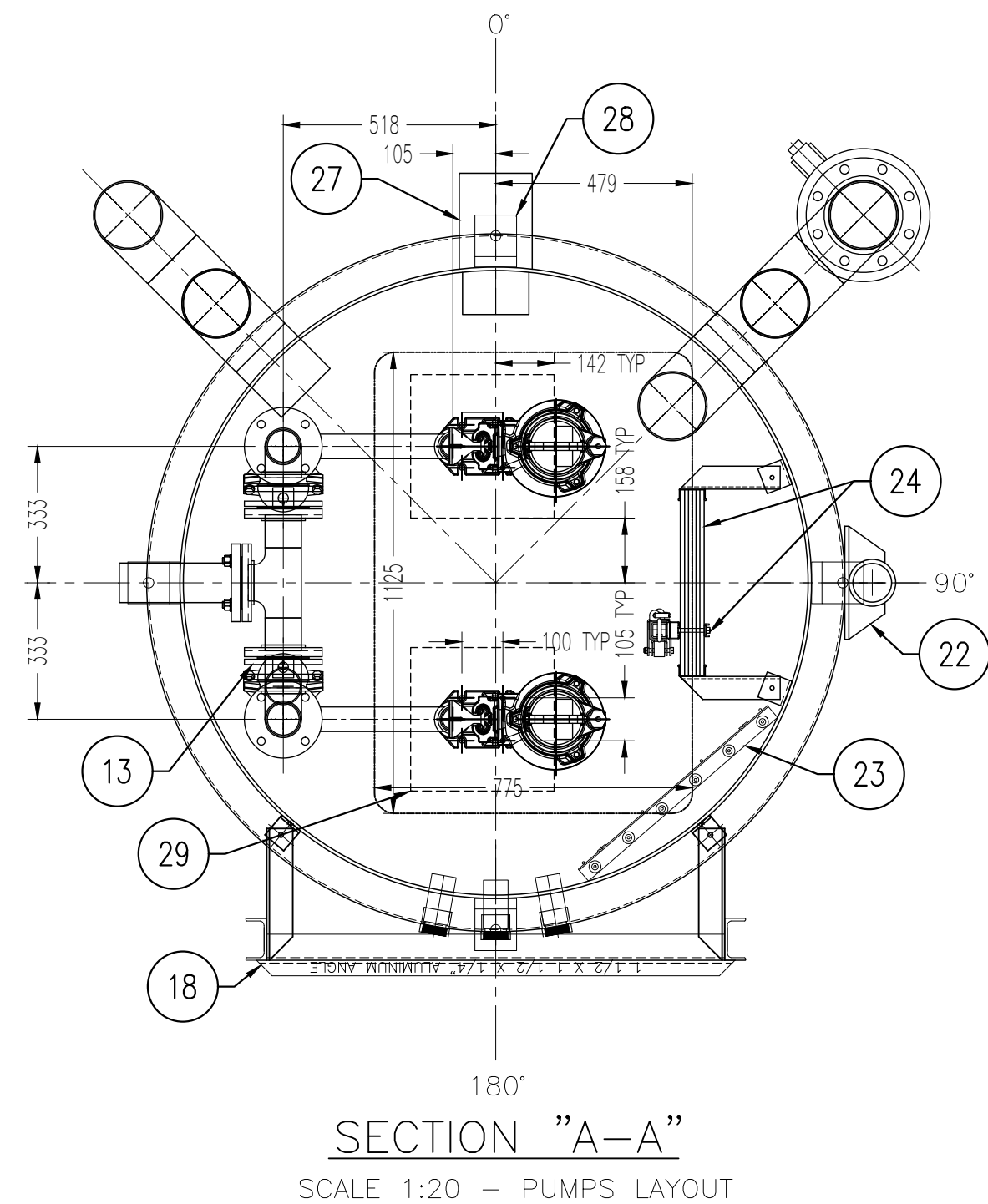
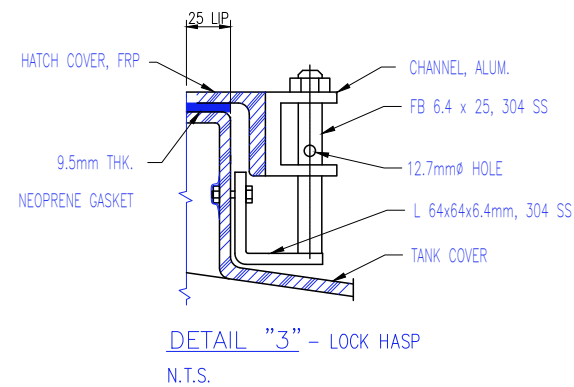
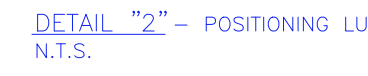
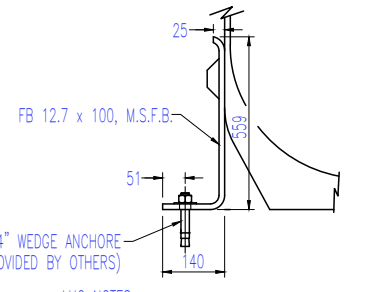
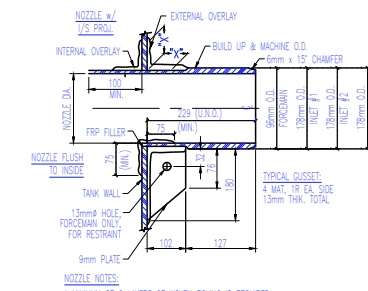
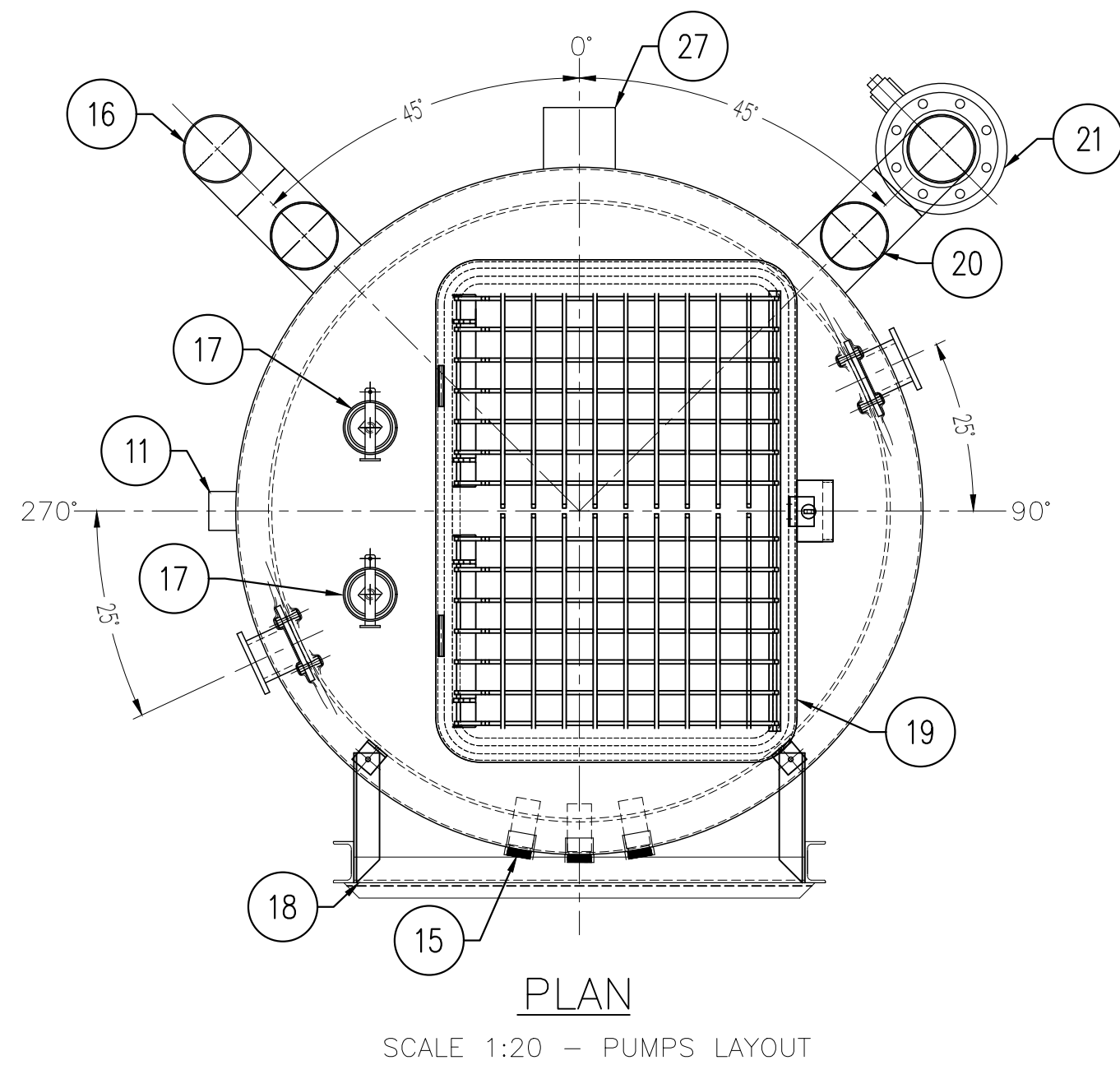
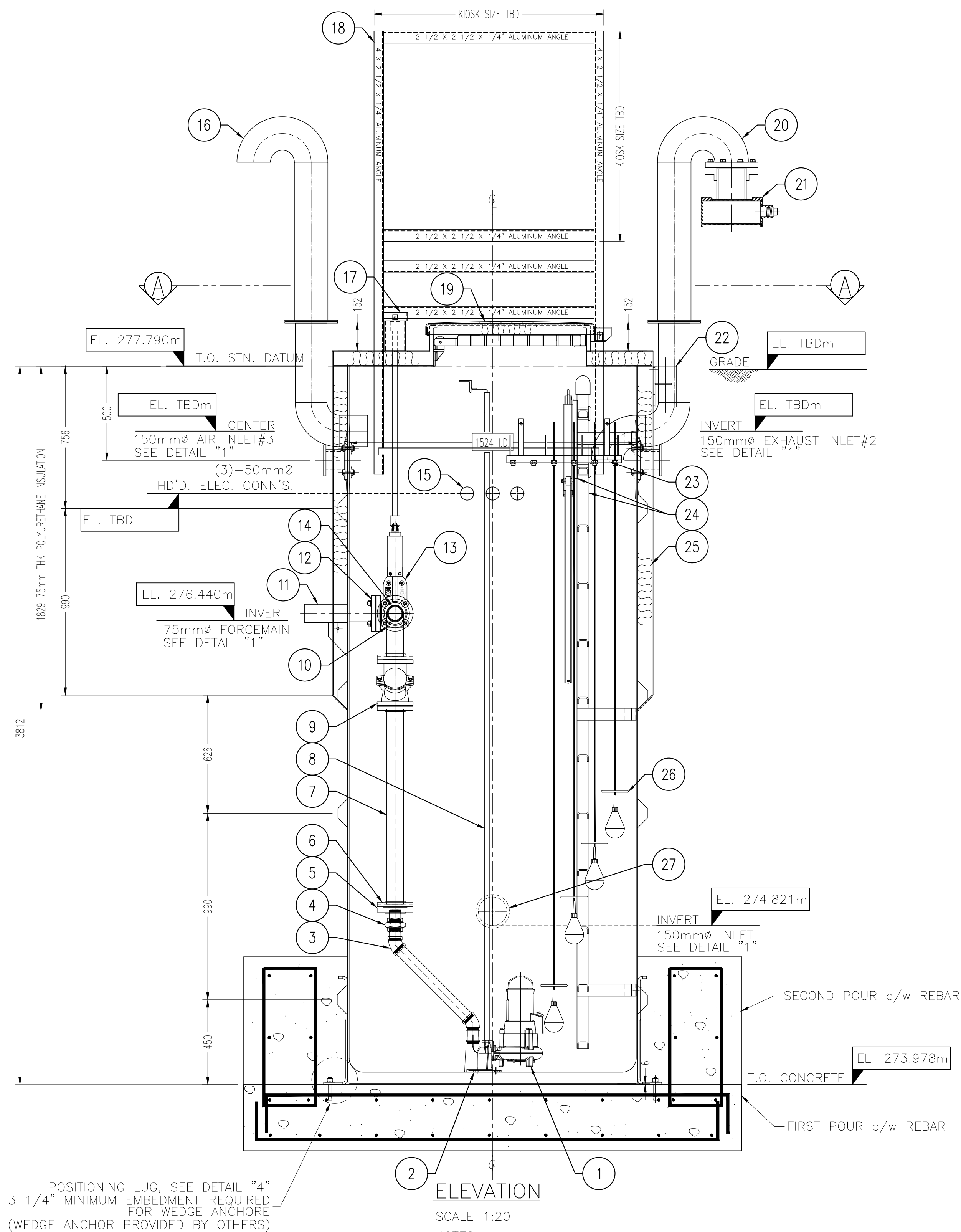


PROPOSED OPERATING LEVELS	
HLA	TBD
LAG PUMP START	TBD
LEAD PUMP START	TBD
LAG PUMP STOP	TBD
LEAD PUMP STOP	TBD
LLA	TBD



BILL OF MATERIALS		
#	DESCRIPTION	QTY
1	FLYGT PUMPS DP306GHT DN50 (BY XYLEM)	2
2	STANDARD NPT DISCHARGE ELBOW 486 55 01, DN50	2
3	50mmø NPT 45° ELBOW, SCH.40 316SS	4
4	50mmø NPT UNION, 316SS	2
5	50mmø NPT x 75mmø #150 REDUCING FLANGE, 316SS	2
6	75mmø #150 SLIP-ON FLANGE, 316SS	5
7	75mmø RISER, SCH.10, 316SS	2
8	20mmø GUIDE BARS, SCH.40 316SS	4
9	75mmø HDL BALLCHECK VALVE	2
10	75mmø SR 90°, SCH.10 316SS	2
11	75mmø FORCEMAIN, MACHINED FRP	1
12	75mmø #150 FLANGE, FRP	1
13	75mmø PMP MONO-T KNIFE GATE VALVE, c/w 50mm SQ. DRIVE NUT	2
14	75mmø TEE, SCH.10 316SS	1
15	50mmø NPT ELECTRICAL CONNECTIONS, PVC	3
16	150mmø SIDE-MOUNT GOOSENECK VENT c/w BRDSCREEN, FRP	1
17	VALVE STEM EXTENDER ACCESS BOX, LOCKABLE, FRP c/w ROD GUIDES, 316SS	2
18	ALUMINUM KIOSK SUPPORT FRAME, 8061-16 (SIZE TBD)	1
19	BARSK STANDARD HATCH, FRP, INSULATED, (775mmx125mm OPENING) c/w 304 SS HARDWARE, LOCKABLE, c/w FRP SAFETY GRATING	1
20	150mmø SIDE-MOUNT GOOSENECK VENT c/w BRDSCREEN, 150mmø #150 FLANGE, FRP	1
21	150mmø CONTINENTAL SWEET VENT, c/w 150mmø FLANGE	1
22	XYLEM PUMP LIFTING DAVIT, MODEL TBD	1
23	HORIZONTAL LEVEL REGULATOR BRACKET, 316SS	1
24	FULL LENGTH LADDER, ALUMINUM, c/w BILCO LADDER UP, ENAMEL COATED M.S.	1
25	75mm THK. POLY. INSULATION c/w FRP SKIN, 1.829m FROM TOP OF STATION DATUM, INCLUDING STATION TOP	-
26	ANTI-SWAY RINGS, 316SS	TBD
27	150mm INLET #1, MACHINED FRP	1
28	POSITIONING LUGS, M.S.	4
29	350mm x 350mm FRP POLYMER STUD BLOCK	2
30	CHAIN HOOKS, (NOT SHOWN)	2
31	CABLE HANGERS (NOT SHOWN)	2
32	20mmø UPPER GUIDE BAR BRACKETS, 316SS	2
33	3/4"x4-3/4" WEDGE ANCHOR BOLTS, GALV. CS (BY OTHERS)	4

FABRICATION DESIGN STANDARDS

1. FLYGT SPECIFICATION GE-1008-04, REVISION MAY 2002
2. AMEC 4S-10.01 MANUFACTURE AND INSTALLATION FOR FRP STRUCTURES
3. AMEC 4S-10.02 FRP PRESSURE PIPE, FITTINGS AND FLANGES

GENERAL NOTES

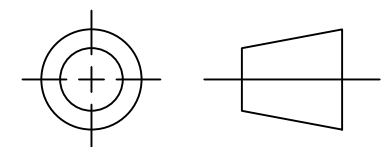
1. WINDING ANGLE - 75°
2. TANK WALL - VARIES WITH ELEVATION
3. LINER - C-GLASS VEIL AND (2)-1 1/2 oz. MATT
4. RESIN - ISOPHTHALIC
5. INTERIOR FINISH - WHITE ISOPHTHALIC NPG GELCOAT
6. EXTERIOR (ABOVE GRADE) TO HAVE DARK GREEN URETHANE PAINTED FINISH
7. DIMENSIONS ARE IN MILLIMETERS U.N.O.
8. APPROX. SHIPPING WEIGHT: 1772kg (3900lbs)

INSTALLATION RECOMMENDATIONS

THE FOLLOWING RECOMMENDATIONS ARE BASED ON FLYGT EXPERIENCE

1. USE THE LIFTING LUGS PROVIDED FOR VERTICAL HANDLING.
2. USE SLINGS AROUND THE MAIN TANK FOR HORIZONTAL HANDLING.
3. ENSURE UNIT IS STANDING VERTICAL ON CONCRETE PAD.
4. BOLT UNIT FIRMLY AND SQUARELY IN PLACE, SHIM WHERE NECESSARY.
5. ENCASE BOTTOM RIB IN CONCRETE TO A MINIMUM OF 150mm ABOVE RIB TO PROVIDE ANCHORAGE. REBAR TO CONNECT SECOND POUR TO THE CONCRETE BASE PAD.
6. MAINTAIN A DRY SITE UNTIL BACKFILLING OPERATIONS COMMENCE.
7. PLEASE REFER TO BARSKI BACKFILL PROCEDURE FOR FRP VERTICAL TANKS DOCUMENT
8. PLACE THE BACKFILL IN EQUAL INCREMENTS NOT EXCEEDING 300mm THICK AROUND THE STATION TO PREVENT UNBALANCED LOADS BEING IMPOSED DURING BACKFILLING OPERATIONS. PROGRESSIVELY TAMP THE BACKFILL AROUND STATION TO FULL HEIGHT TO REDUCE SETTLEMENT TO AN ABSOLUTE MINIMUM.
9. PLEASE CHECK WITH THE MANUFACTURER REGARDING THE ACTUAL DIMENSIONS OF THE LIFT STATION BEFORE DRAFTING SHOP DRAWINGS OF THE CONCRETE FOUNDATION.

0	2025/04/08	ISSUED FOR APPROVAL	TB
REV	DATE	DESCRIPTION	BY



TOL FRANCES (11 N O '

<u>LINEAR</u>	<u>ANGULAR</u>
X ± 1.5	X.X ± 1/



2378 WESTLAKE RD.
KELOWNA, B.C.
V1Z 2V2

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CLIENT XYLEM TORONTO, ON		ENGINEER	
PROJECT GULL RIVER LIFT STATION			
TITLE 1524.0mm I.D. GULL RIVER LIFT STATION			
ENG BY: CAD BY: T.BRADLEY	DATE: 2025/04/08	CAD FILE: GULL	PROJECT:
APP BY:	DATE:	DRAWING NUMBER 25-067	
ISSUED BY:	DATE:	REV 0	