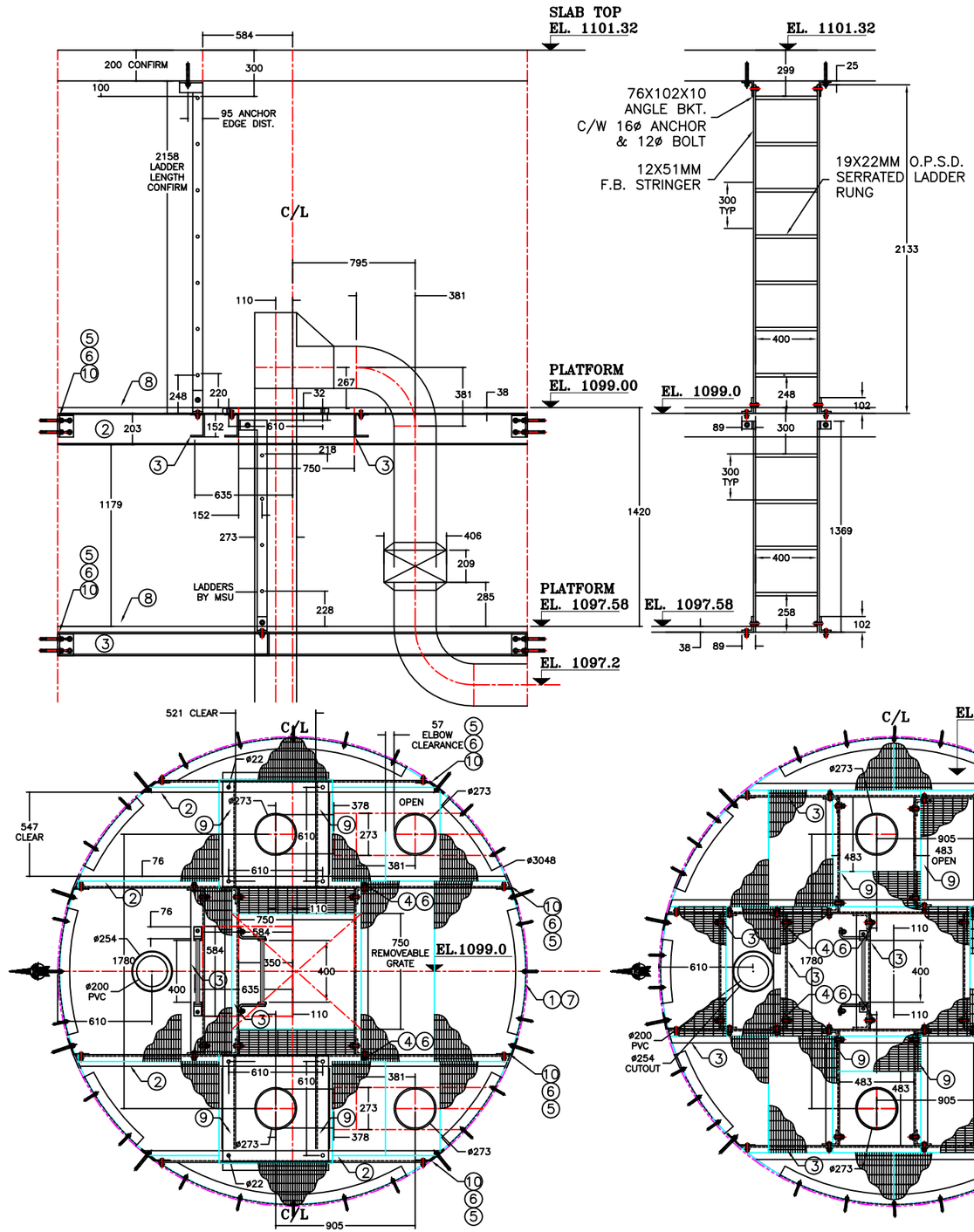

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#	QTY.	MATERIAL	DESCRIPTION
1	16	ALUM. 6061–T6	76 X 76 X 10 PERIMETER ANGLE ROLLED AND WELDED CONSTRUCTION
2	4	ALUM. 6061–T6	203 X 76 X 6.4mm CHANNEL SUPPORT
3	11	ALUM. 6061–T6	152X89X10mm SUPPORT CHANNELS
4	40	ALUM. 6061–T6	102X102X13mm BRACKET
5	16	STAINLESS STEEL 316	102X102X6.4mm BRACKET
6	112	STAINLESS STEEL 316	1/2ø X 1 3/4" LG. BOLT C/W NUT, FLAT AND LOCK WASHER
7	AS REQ.	STAINLESS STEEL 316	1/2ø X 3 3/4" HILTI K.B. II ANCHOR C/W NUT FLAT AND LOCK WASHER
8	AS REQ.	ALUMINUM 6351–T6	BORDEN GRATE B#8 1 1/4X3/16" BANDED C/W S.S. HOLDDOWN CLIPS
9	17	ALUMINUM 6061–T6	127X89X10mm SUPPORT ANGLES
10	32	STAINLESS STEEL 316	5/8ø X 6" HILTI K.B. II ANCHOR C/W NUT FLAT AND LOCK WASHER
11	1	ALUM. 6061–T6	51 X 51 X 6MM ANGLE STIFFENER WELD TO ITEM #1

NOTE:

1) ALL ALUMINUM SURFACES IN CONTACT WITH CONCRETE SHALL RECEIVE 2 COATS OF BITUMINOUS PAINT.
2) WELDING SHALL CONFORM TO CSA W47.2 & CSA W59.2
3) WELDED SUFACES REMAIN AS WELDED.
4) LOWER SECONDARY PLATFORM DESIGN OF 350 LBs/SQ.FT (16.8KPa) AND A CONCENTRATED LOAD OF 1.75KN WITH MAX DEFLECTION OF 1/150th OF THE SPAN. 1500KG/m2 WHICHEVER IS GREATEST
4) PUMP SUPPORT PLATFORM DESIGNED FOR PUMP MOTOR 3200 LB. EACH THRUST 4300 LB. EACH WATER IN PIPE 375 LB. EACH PUMPS 5200 LB. OPERATOR AND CHECK VALVE WEIGHT 350 LB.

PROJECT	LOCATION PROJECT
CONTRACTOR	CONTRACTOR
ARCH'T/ENG'R	ENGINEER
QTY.	1
PROJECT NO.	#

TITLE: LOWER ALUMINUM GRATING SAFETY LANDING
UPPER PUMP SUPPORT GRATING SAFETY LANDING
FOR 3048mm DIA. STRUCTURE

REVISION NO.	DATE	BY
1		
2		

DATE: #/#/#
SCALE: NTS
DWG. BY: SCJ
DESIGNED BY:
DWG. NO. CATA GSL–8