

B	29.10.2024	TEMPLATE UPDATED	DPM	TT	GLEN
A	26.10.2024	ISSUED FOR CONSTRUCTION.	DPM	TT	GLEN
REV.	DATE	DESCRIPTION	MOD.BY	CKD.BY	APP.BY

REVISIONS



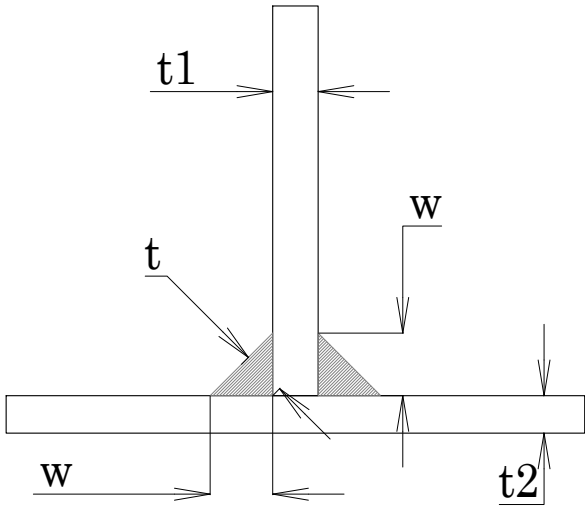
SHIP		ORKIM POWER	
TITLE		BWTS EQUIPMENT FOUNDATION DETAIL DRAWING	
DRAWING NUMBER GSPL-P1513-ST-0303		HULL NUMBER --	REV B
DATE:-29.10.2024		SHEET:- 01 OF 06	

NOTES

- 1. All dimensions are in millimeters.
- 2. Top of seat to be parallel to base line.
- 3. All materials to be ABS Grade 'A' Mild Steel or equivalent with Yield Stress 235 N/mm².
- 4. Please take special care to avoid landing of equipment foundation on bareplate. If an equipment legs lands on bare plate, please provide carling in line with its web. Carling scantling to be same as deck stiffener.
- 5. Vertical support positions have been decided based on check for fouling with existing pipes and to be suited at site.
- 6. For Equipment positioning and heights, please refer "BWTS Equipment Arrangement Drawing".
- 7. Fillet Weld Details

SL.NO.	tpl	w	t(min)
1	tpl < 6	3.5	2.45
2	6 ≤ tpl < 10	4.5	3.15
3	10 ≤ tpl < 12	5.0	3.50
4	12 ≤ tpl < 14	5.5	3.85
5	14 ≤ tpl < 16	6.0	4.20

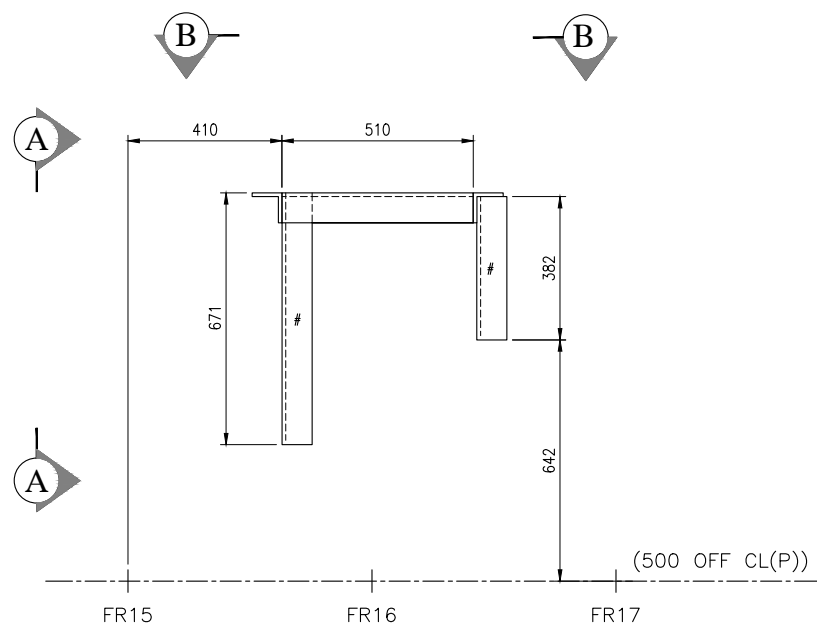
tpl = thinner of the two plates
= min(t1,t2)
w = weld leg length
t = throat thickness



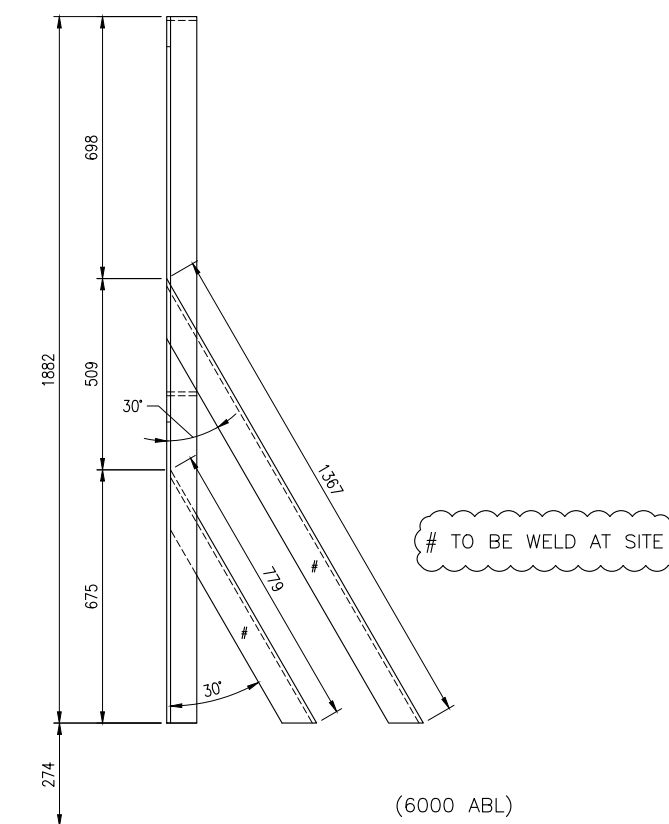
- 8. Dimensions indicated in all drawing are approximate and based on point cloud data and pdf documents received. Should be verified and adjusted at site.
- 9. Bolting and Fastening grade and size are to be as per maker recommendation.
- 10. Part Details

C – Channel
PL – Plates

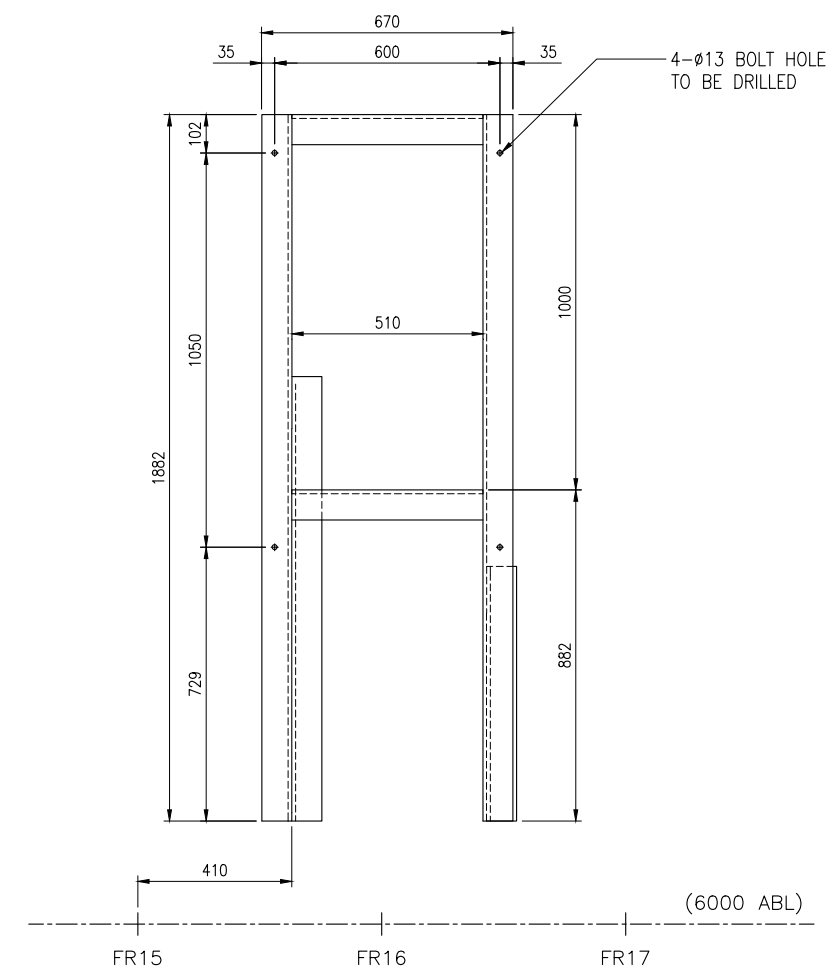
DRAWING NUMBER		SCALE	
GSPL-P1513-ST-0303		N.T.S	
SHEET:– 2 OF 6	SIZE: A3	REV.	B



FOUNDATION- PLAN VIEW



SECTION A-A

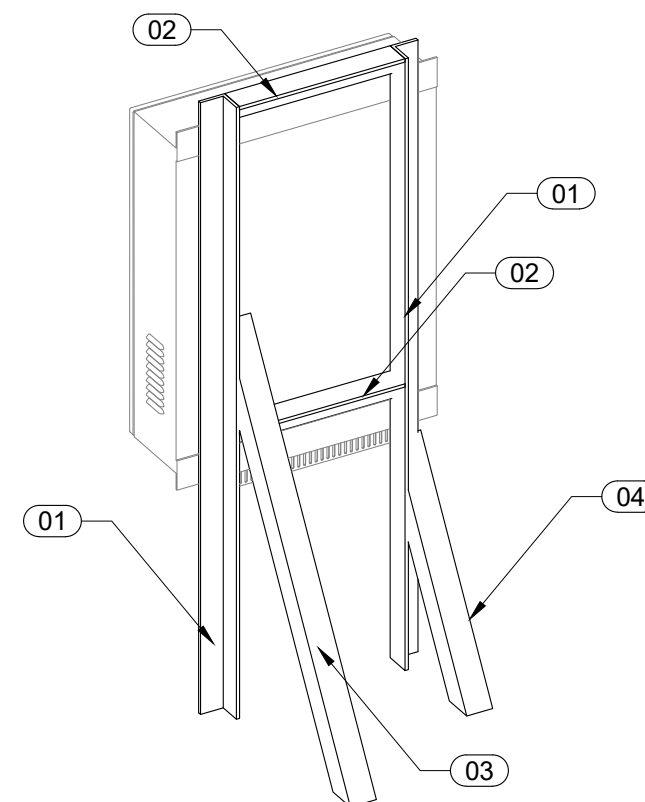


SECTION B-B

BILL OF MATERIALS						
PART NO.	DESCRIPTION	T(mm)	LENGTH (mm)	QTY	GRADE	TOTAL WEIGHT(Kg)
1	L 80x80x10	10	1882	2	A	44.42
2	L 80x80x10	10	510	2	A	12.04
3	L 80x80x10	10	1367	1	A	16.13
4	L 80x80x10	10	779	1	A	9.19
TOTAL WEIGHT =						72.58

NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS SHALL BE SITE VERIFIED PRIOR TO CONSTRUCTION.
3. ALL STRUCTURAL STEEL TO BE MILD STEEL GRADE A.
4. CHECK/VERIFY EQUIPMENT DIMENSIONS PRIOR TO START FABRICATION.
5. MINOR ADJUSTMENTS TO AVOID CLASH BETWEEN STRUCTURE AND FOUNDATION TO BE MADE AT SITE.
6. MAJOR CLASH TO BE BROUGHT TO THE ATTENTION OF DESIGNER.
7. WELDING TO BE DOUBLE CONTINUOUS FILLET WELDS.
8. YARD TO ENSURE FEASIBILITY OF CLASH FREE ERECTION PRIOR TO FINAL WELD.
9. ALL BRAZING SHALL BE WELD AT SITE.
- 10.*_ THE LEG LENGTH TO BE VERIFIED ONBOARD BEFORE FABRICATION.
- 11.PAD PLATES TO BE WELDED AT SITE.



FOUNDATION- ISOMETRIC VIEW
WITH EQUIPMENT

FOUNDATION DETAILS FOR
CONTROL UNIT

DRAWING NUMBER

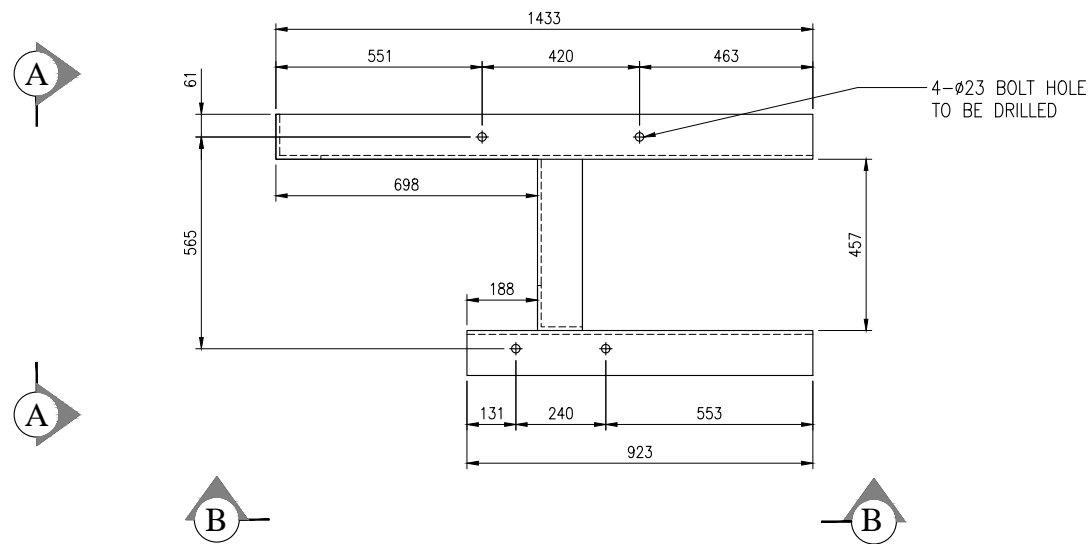
GSPL-P1513-ST-0303

SHEET:- 3 OF 6

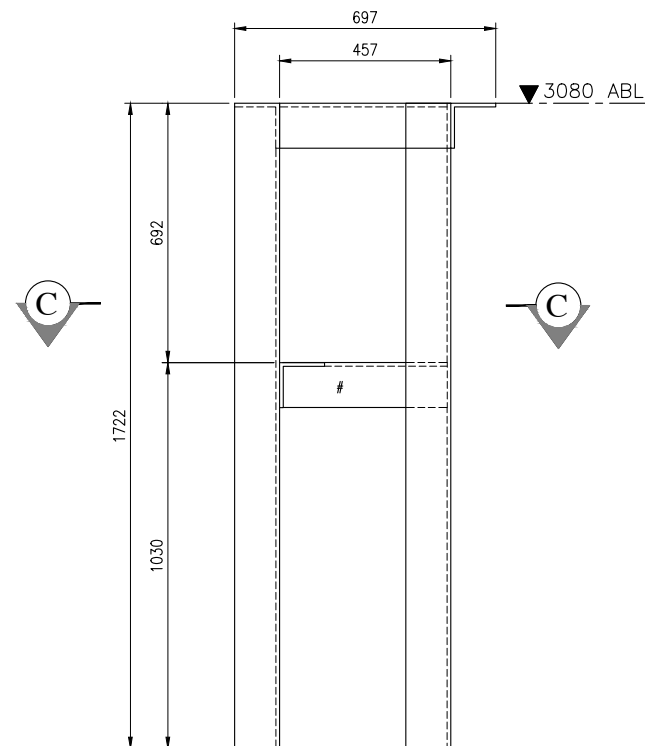
SIZE: A3

REV.

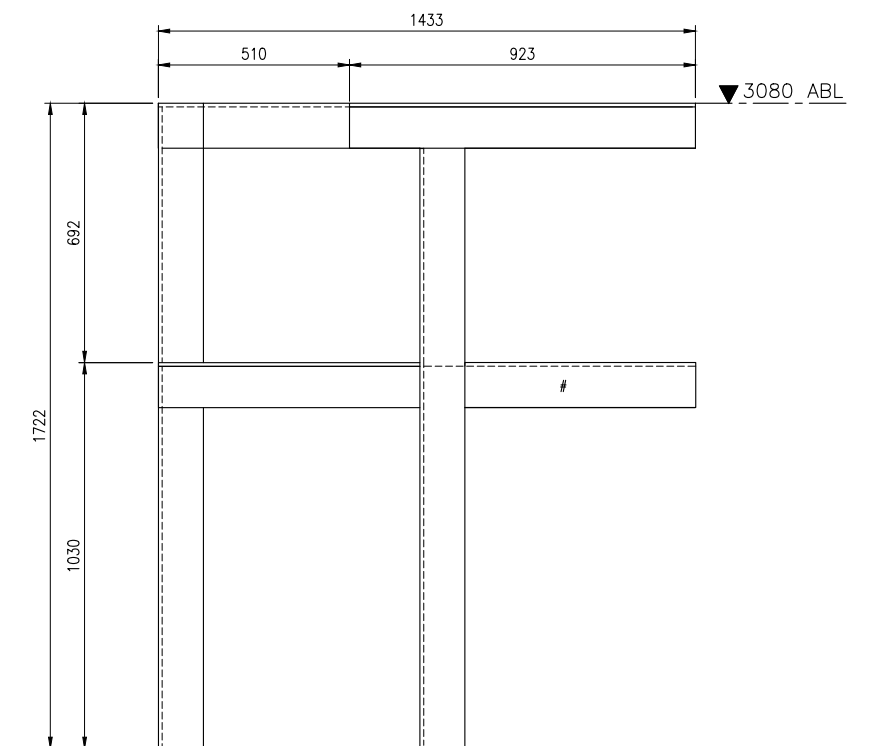
B



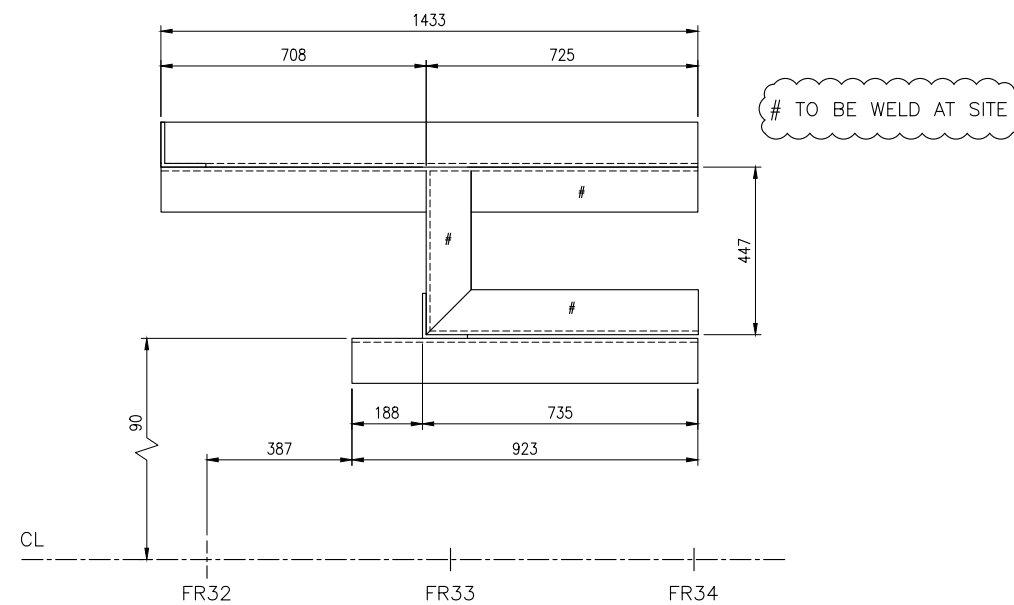
FOUNDATION- PLAN VIEW



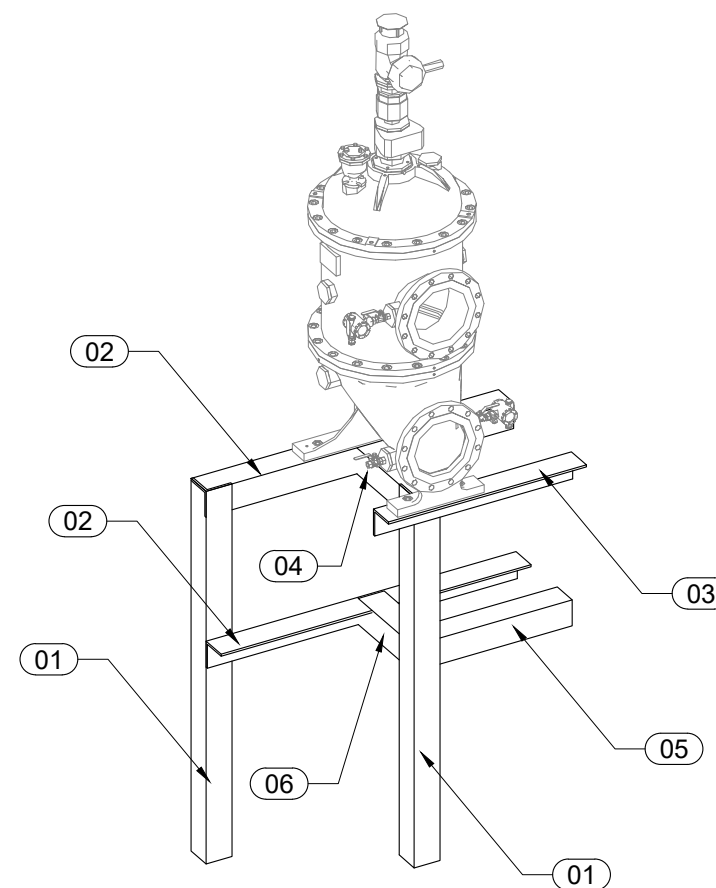
SECTION A-A



SECTION B-B



SECTION C-C



FOUNDATION- ISOMETRIC VIEW
WITH EQUIPMENT

BILL OF MATERIALS						
PART NO.	DESCRIPTION	T(mm)	LENGTH (mm)	QTY	GRADE	TOTAL WEIGHT(Kg)
1	L 120x120x10	10	1722	2	A	62.68
2	L 120x120x10	10	1433	2	A	52.16
3	L 120x120x10	10	923	1	A	16.80
4	L 120x120x10	10	457	1	A	8.32
5	L 120x120x10	10	725	1	A	13.20
6	L 120x120x10	10	447	1	A	8.14
TOTAL WEIGHT =						131.64

NOTES:-

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2. ALL DIMENSIONS SHALL BE SITE VERIFIED PRIOR TO CONSTRUCTION.
3. ALL STRUCTURAL STEEL TO BE MILD STEEL GRADE A.
4. CHECK/VERIFY EQUIPMENT DIMENSIONS PRIOR TO START FABRICATION.
5. MINOR ADJUSTMENTS TO AVOID CLASH BETWEEN STRUCTURE AND FOUNDATION TO BE MADE AT SITE.
6. MAJOR CLASH TO BE BROUGHT TO THE ATTENTION OF DESIGNER.
7. WELDING TO BE DOUBLE CONTINUOUS FILLET WELDS.
8. YARD TO ENSURE FEASIBILITY OF CLASH FREE ERECTION PRIOR TO FINAL WELD.
9. ALL BRAZING SHALL BE WELD AT SITE.
- 10.*_ THE LEG LENGTH TO BE VERIFIED ONBOARD BEFORE FABRICATION.
- 11.PAD PLATES TO BE WELDED AT SITE.

FOUNDATION DETAILS FOR FILTER

DRAWING NUMBER

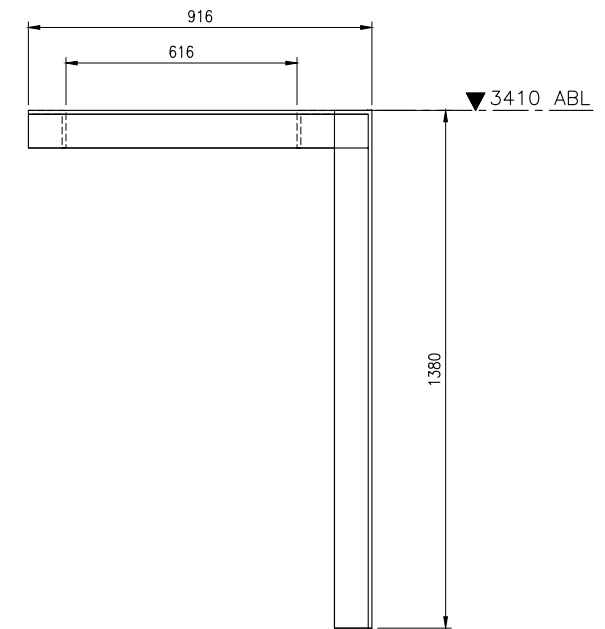
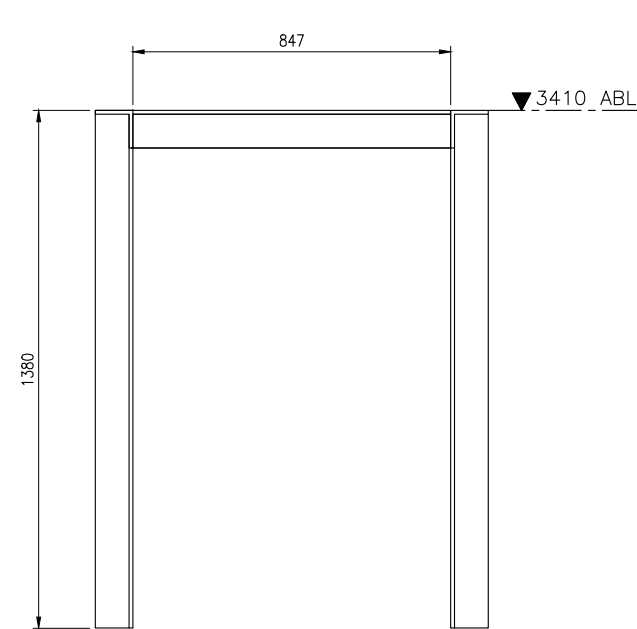
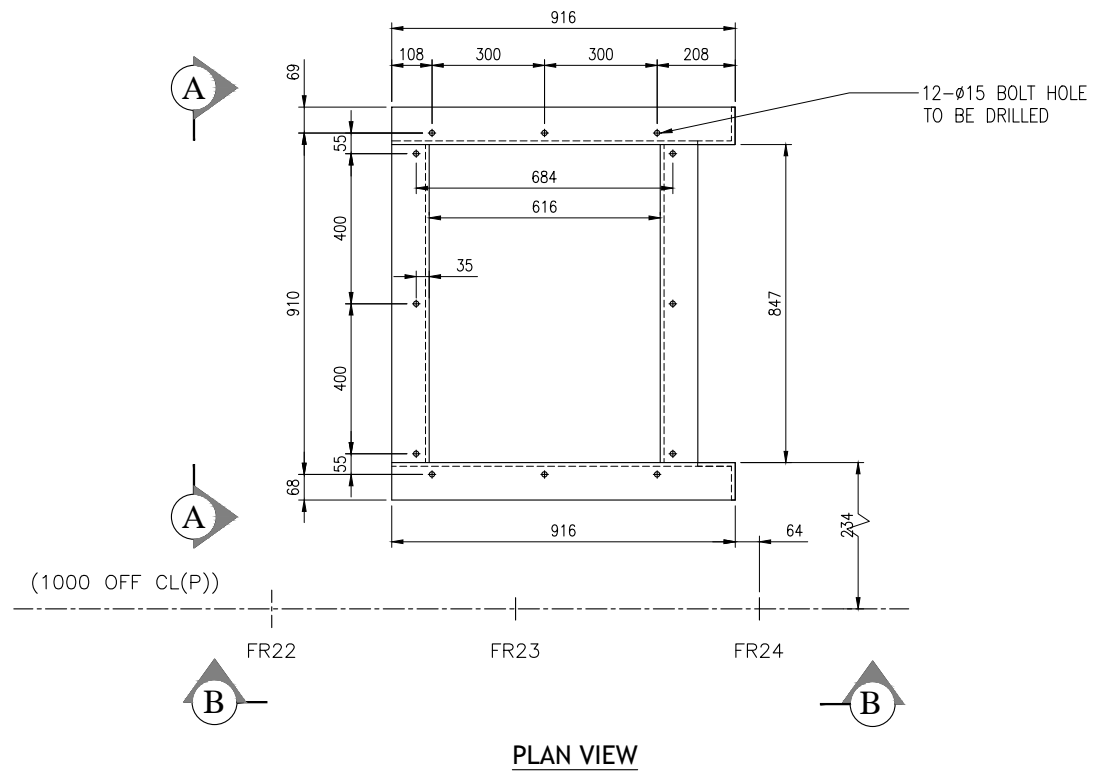
GSPL-P1513-ST-0303

SHEET:- 4 OF 6

SIZE: A3

REV.

B



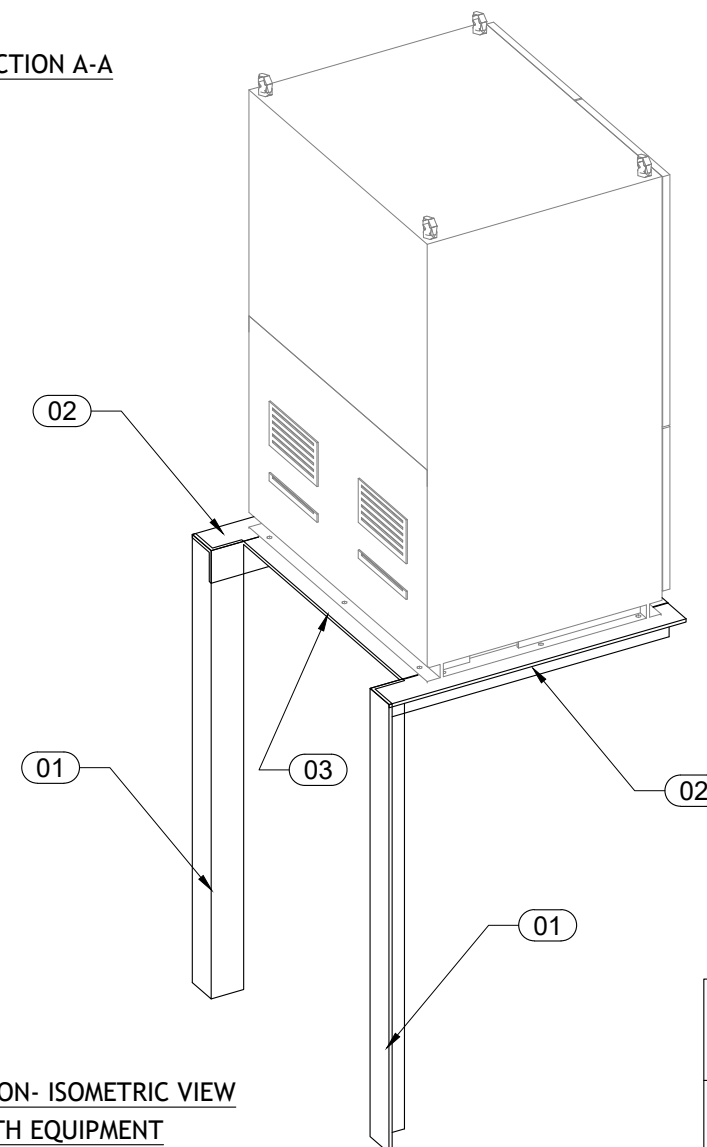
BILL OF MATERIALS						
PART NO.	DESCRIPTION	T(mm)	LENGTH (mm)	QTY	GRADE	TOTAL WEIGHT(Kg)
1	L 100x100x10	10	1380	2	A	41.40
2	L 100x100x10	10	916	2	A	27.48
3	L 100x100x10	10	847	2	A	25.41
TOTAL WEIGHT =						94.29

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8. YARD TO ENSURE FEASIBILITY OF CLASH FREE ERECTION PRIOR TO FINAL WELD.
9. ALL BRAZING SHALL BE WELD AT SITE.
- 10.*_ THE LEG LENGTH TO BE VERIFIED ONBOARD BEFORE FABRICATION.
- 11.PAD PLATES TO BE WELDED AT SITE.

SECTION A-A

SECTION B-B



FOUNDATION- ISOMETRIC VIEW
WITH EQUIPMENT

FOUNDATION DETAILS FOR
POWER CABINET

DRAWING NUMBER

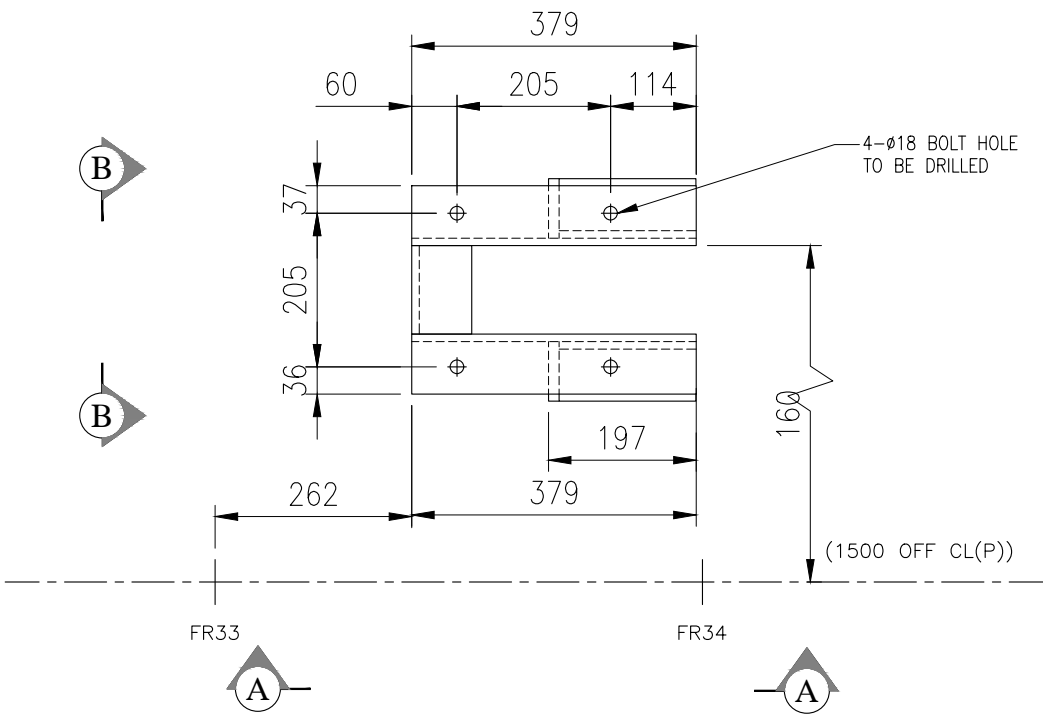
GSPL-P1513-ST-0303

SHEET:- 5 OF 6

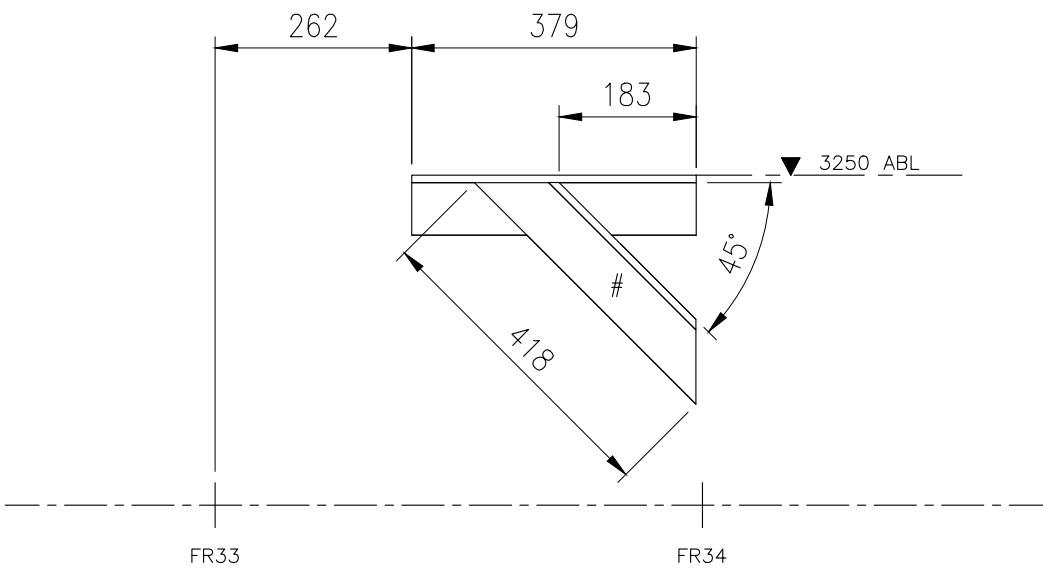
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REV.

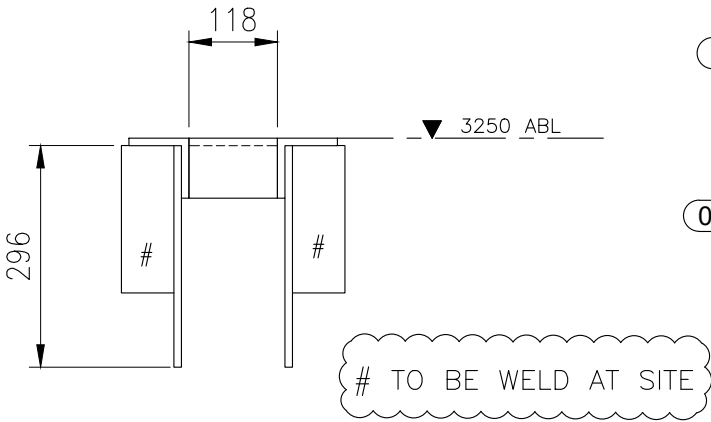
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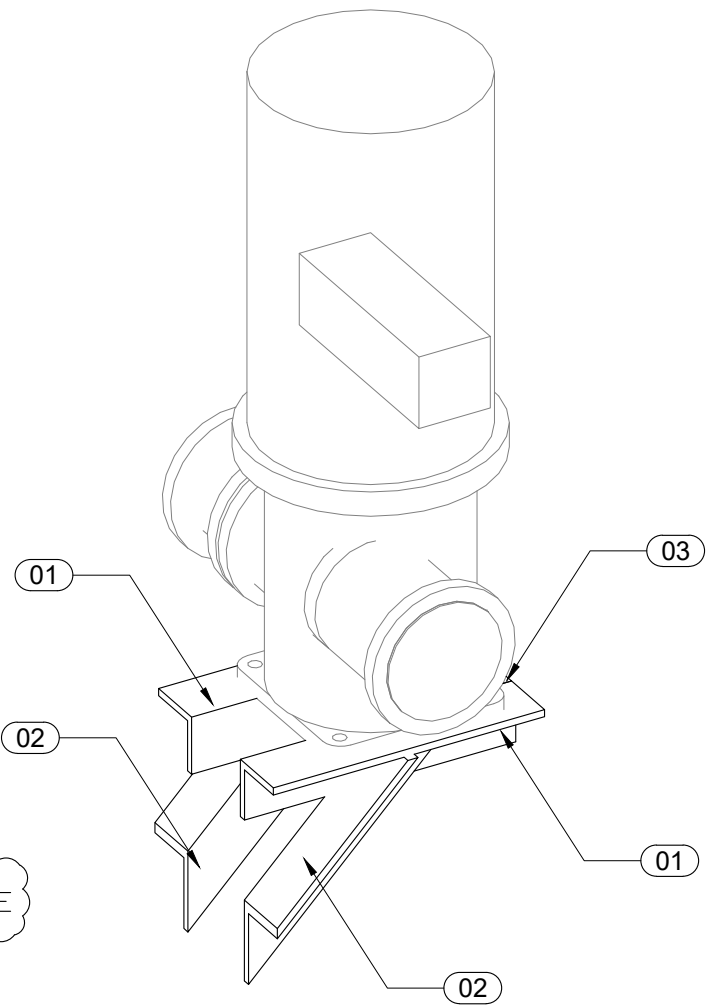
FOUNDATION- PLAN VIEW



SECTION A-A



SECTION B-B



FOUNDATION- ISOMETRIC VIEW
WITH EQUIPMENT

BILL OF MATERIALS						
PART NO.	DESCRIPTION	T(mm)	LENGTH (mm)	QTY	GRADE	TOTAL WEIGHT(Kg)
1	L 80x80x10	10	379	2	A	8.94
2	L 80x80x10	10	418	2	A	9.86
3	L 80x80x10	10	118	1	A	1.39
TOTAL WEIGHT =						18.81

NOTES:-

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9. ALL BRAZING SHALL BE WELD AT SITE.
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- 11.PAD PLATES TO BE WELDED AT SITE.

FOUNDATION DETAILS FOR FLUSHING PUMP

GSPL-P1513-ST-0303

SHEET:- 6 OF 6

SIZE: A3

REV.

B