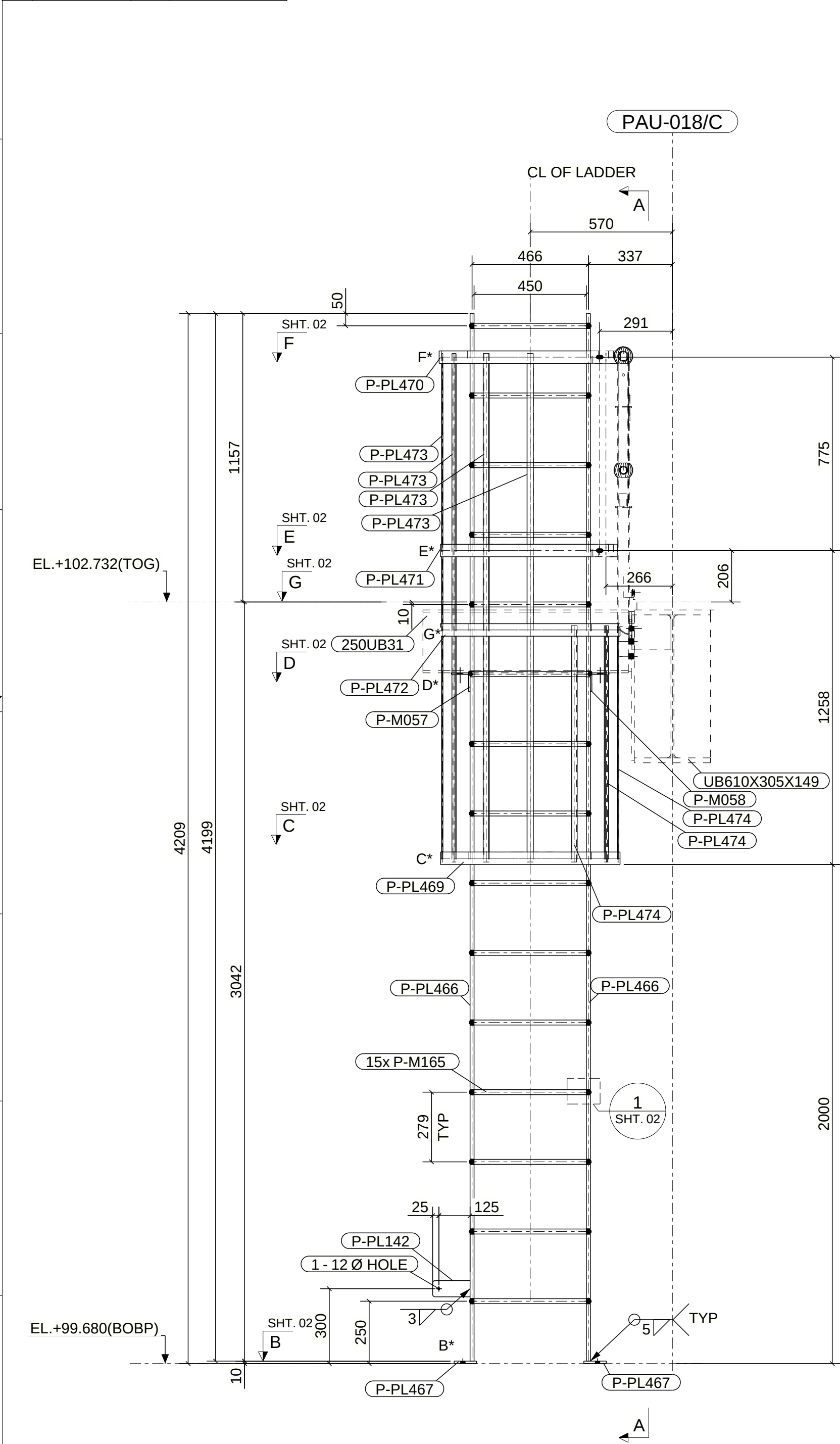
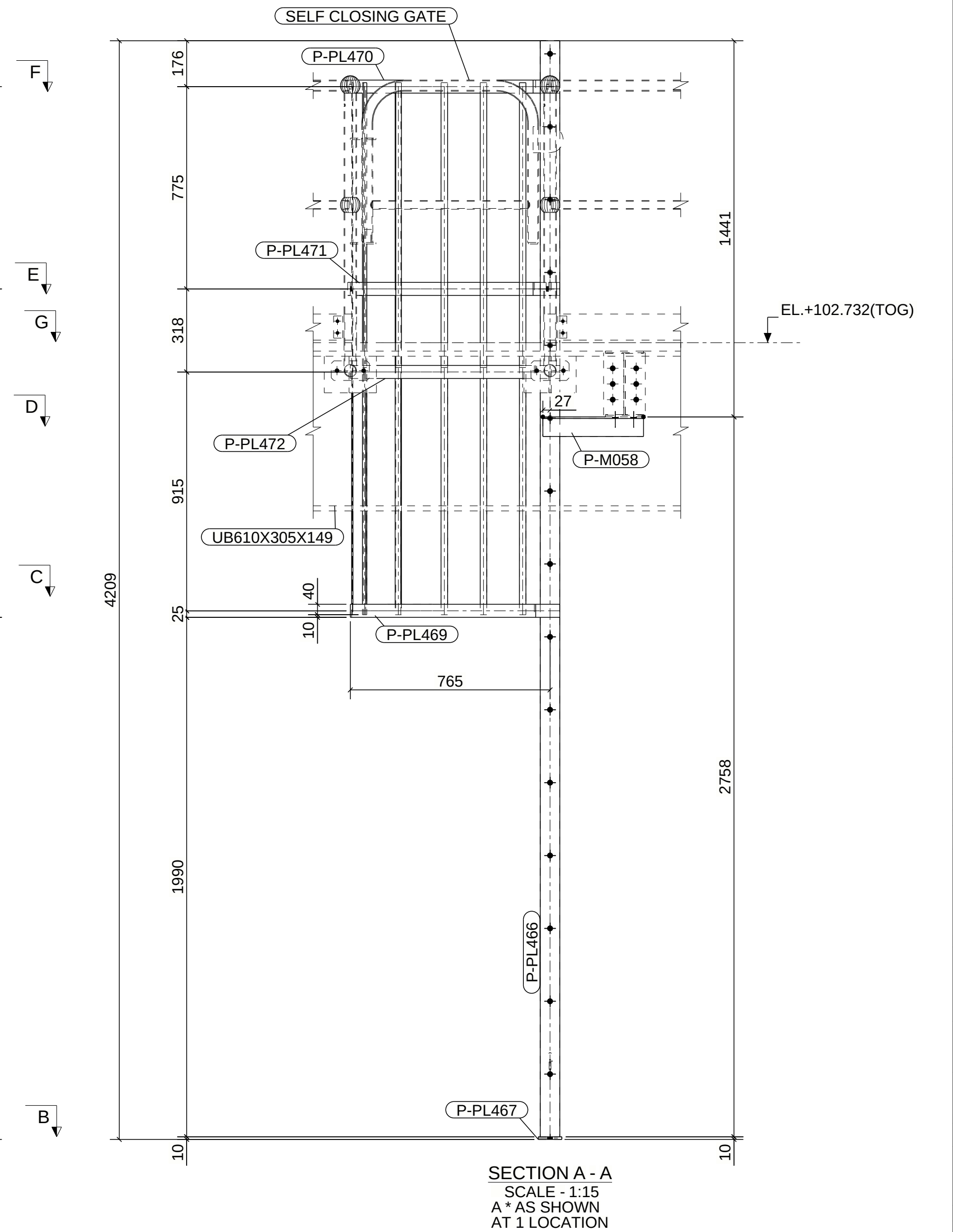


BOLT LIST FOR 1 OFF ASSEMBLY MKD : PAU018-P-LD4			
DIA	GRADE	LENGTH	QTY
M16	4.6S	45	1
M16	4.6S	50	3
M20	4.6S	50	4

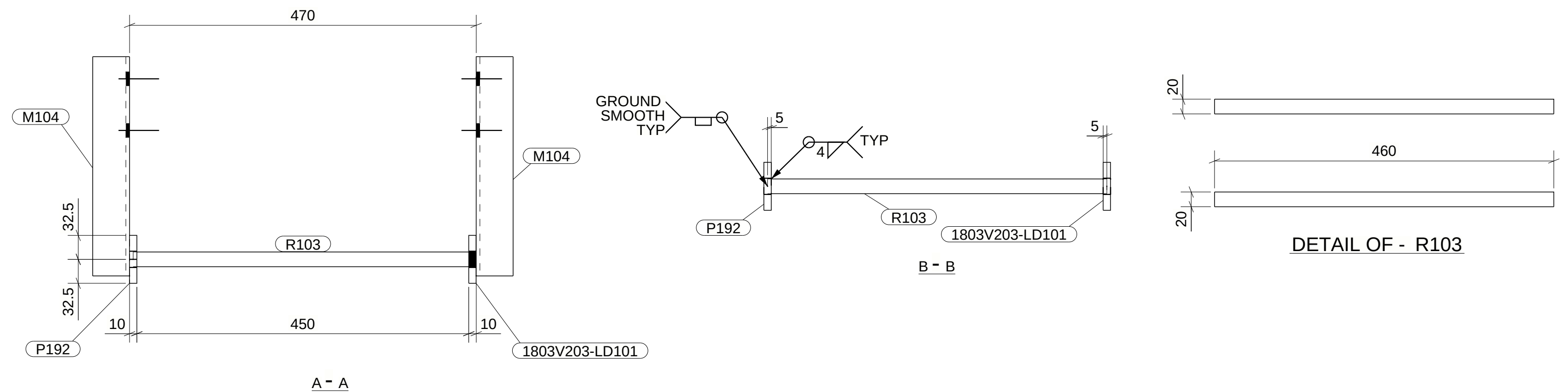
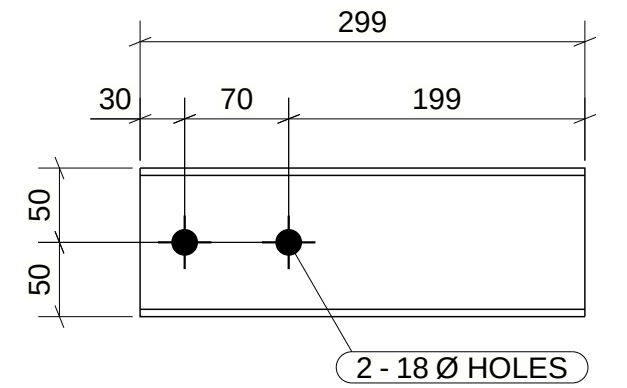
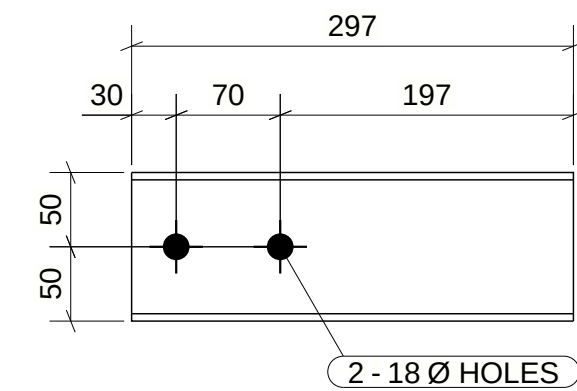
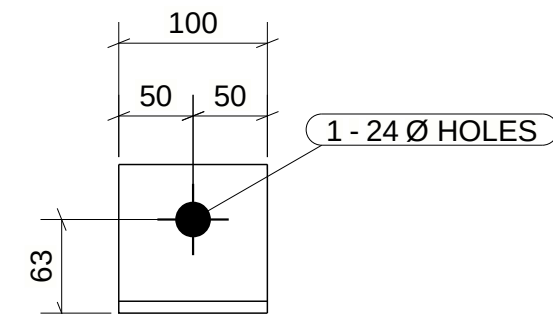
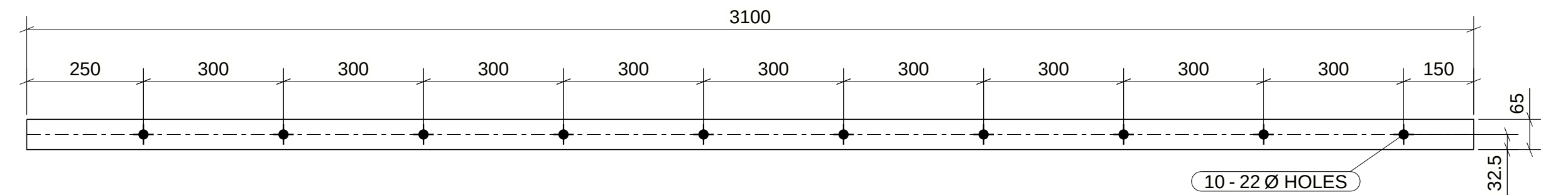
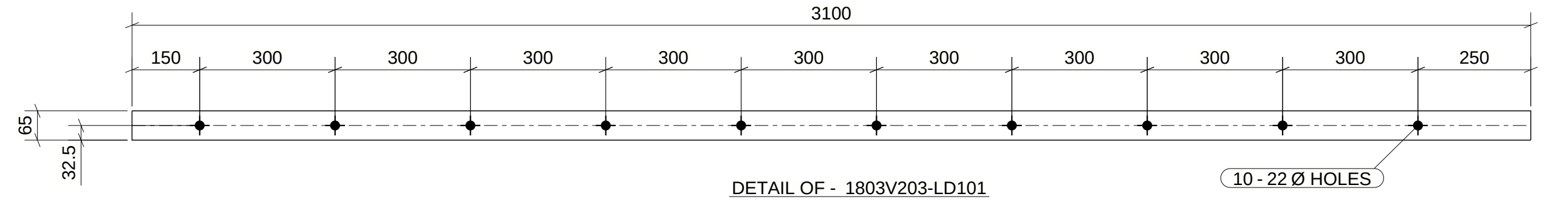
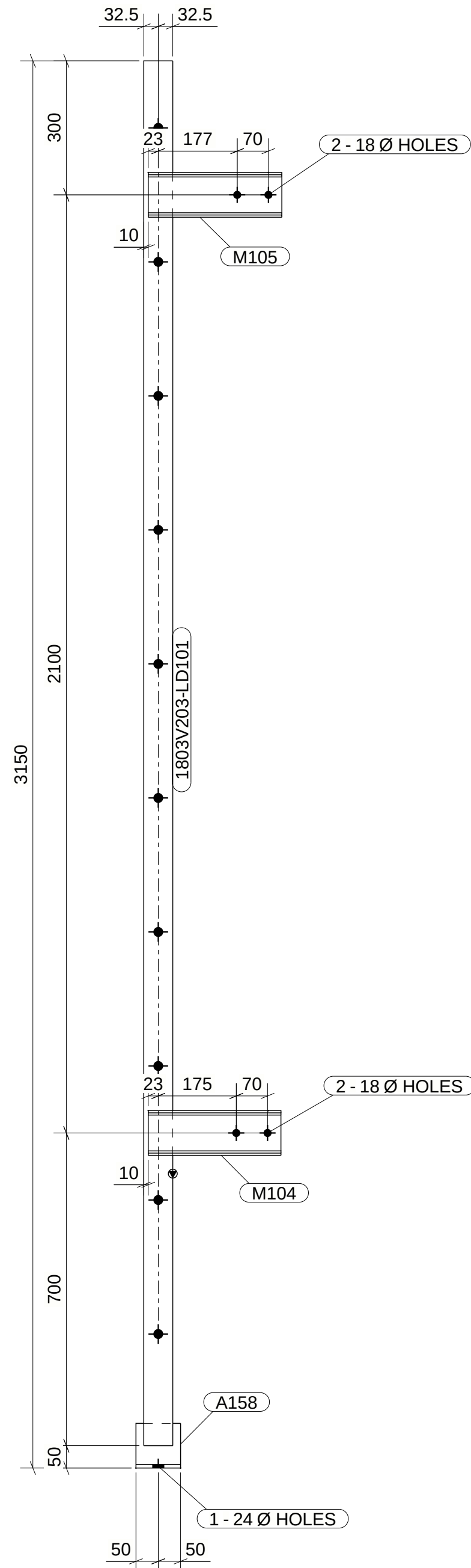
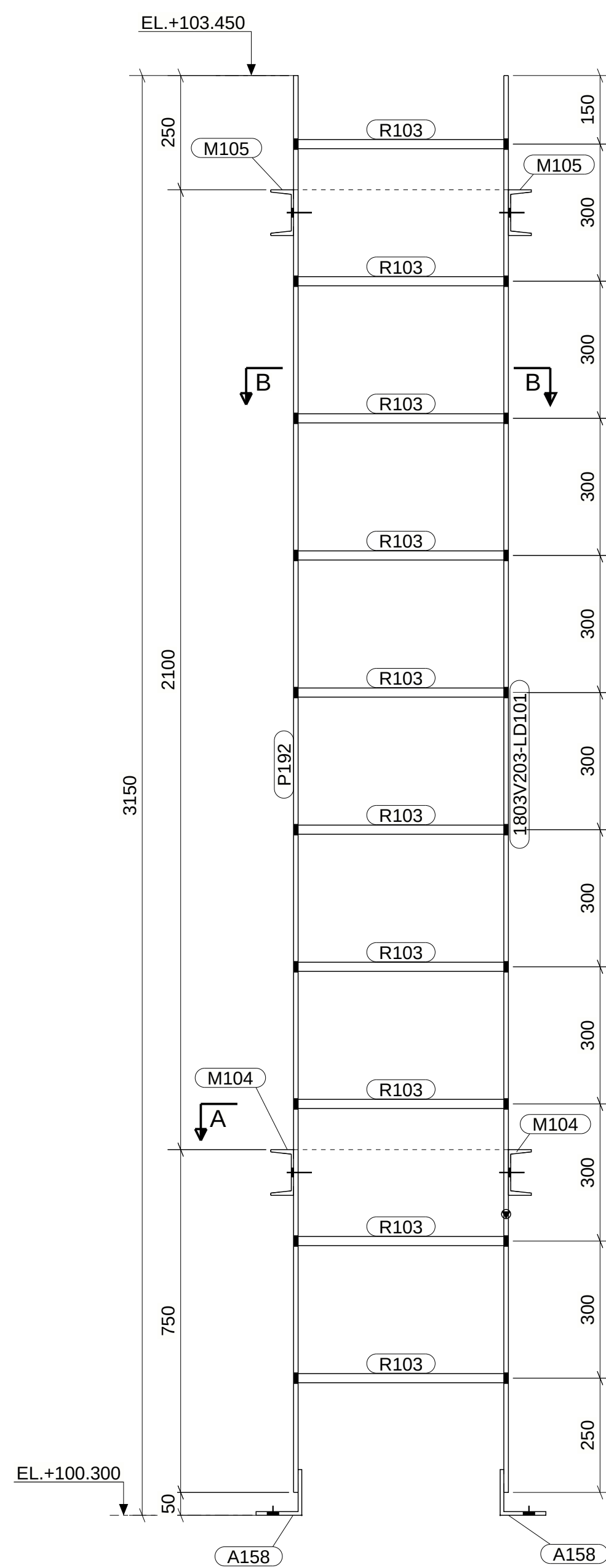


MATERIAL LIST FOR ONE ASSEMBLY MK'D - PAU018-P-LD4														
MARK	DESCRIPTION	LENGTH (mm)	THICKNESS (mm)		QTY	MATERIAL	SAP CODE	UNIT WT (Kg/m)/(kg/m2)	TOTAL WT (Kg)	SURFACE AREA (m²)	WELD CAT	CONST. CAT	WT CAT	REMARK
			WIDTH/O.D./Ft	Wt/Pl.										
P-M057	L75X75X6	385	75		1	GRADE 250	SA1167E075X075X06I	6.85	2.18	0.12	GP	CC2	LS	
P-M058	L75X75X6	386	75		1	GRADE 250	SA1167E075X075X06I	6.85	2.18	0.12	GP	CC2	LS	
P-M165	ROD20	476	20		15	GRADE 250		0.00	15.85	0.45	GP	CC2	LS	
P-PL142	PL7*65	150	65	7	1	SS316		54.95	0.53	0.02	GP	CC2	LS	
P-PL466	PL16*75	4199	75	16	2	GRADE 250	SP1131016.00ZZZZZI	125.60	79.11	1.53	GP	CC2	LS	
P-PL467	PL10*90	90	90	10	2	GRADE 250	SP1131010.00ZZZZZI	78.50	1.27	0.04	GP	CC2	LS	
P-PL468	PL10*50	116	50	10	2	GRADE 250	SP1131010.00ZZZZZI	78.50	0.90	0.03	GP	CC2	LS	
P-PL469	PL5*50	2178	50	5	1	GRADE 250		39.25	4.30	0.24	GP	CC2	LS	
P-PL470	PL10*50	1395	50	10	1	GRADE 250	SP1131010.00ZZZZZI	78.50	5.55	0.17	GP	CC2	LS	
P-PL471	PL5*50	1403	50	5	1	GRADE 250	SP1131010.00ZZZZZI	39.25	2.77	0.16	GP	CC2	LS	
P-PL472	PL5*50	2178	50	5	1	GRADE 250		39.25	4.30	0.24	GP	CC2	LS	
P-PL473	PL5*25	2038	25	5	6	GRADE 250		39.25	12.00	0.74	GP	CC2	LS	
P-PL474	PL5*25	947	25	5	5	GRADE 250		39.25	4.65	0.29	GP	CC2	LS	
TOTAL FOR ONE ASSEMBLY									135.61	4.14				
TOTAL FOR 1 ASSEMBLY									135.61	4.14				



BOLT LIST FOR ONE ASSEMBLY			
Type	Size	Length	Qty
8.8OX	M16	45	8

MATERIAL LIST FOR ONE ASSEMBLY MK'D 1803V203-LD101 1 NOS.Required						
MARK	DESCRIPTION	GRADE	LENGTH	QTY.	UNIT WT (Kg)	TOTAL WT(Kg)
1803V203-LD101	FLAT10*65	E250	3100	1	15.82	15.82
A158	ISA100X100X8	E250	100	2	1.21	2.42
M104	ISMC100	E250	297	2	2.85	5.69
M105	ISMC100	E250	299	2	2.87	5.73
P192	FLAT10*65	E250	3100	1	15.82	15.82
R103	ROD20	E250	460	10	1.02	10.21
TOTAL FOR ONE ASSEMBLY IN Kg					=	55.69
TOTAL FOR 1 ASSEMBLIES IN Kg					=	55.69



PAINT: FULLY PAINTED BLACK - RAL 9017 REFER PAINT SPEC.07715C-000-JSD-2300-001

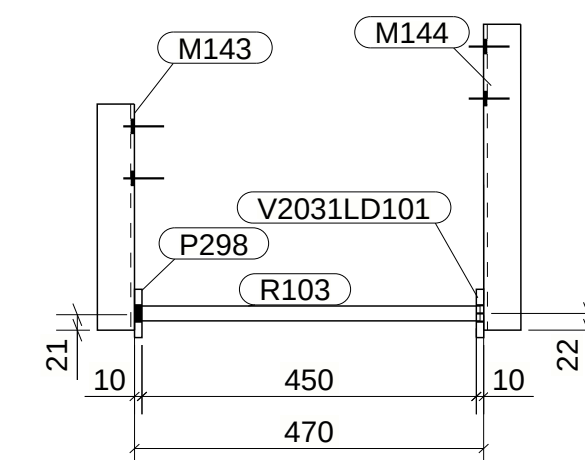
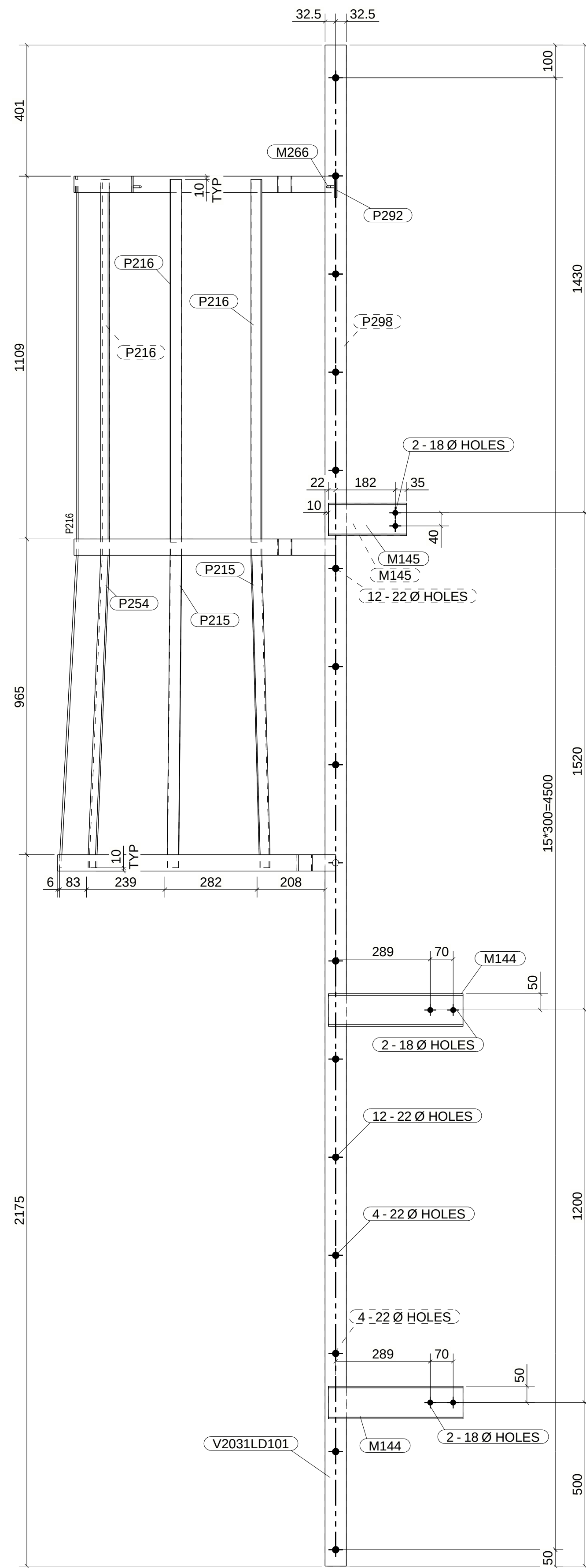
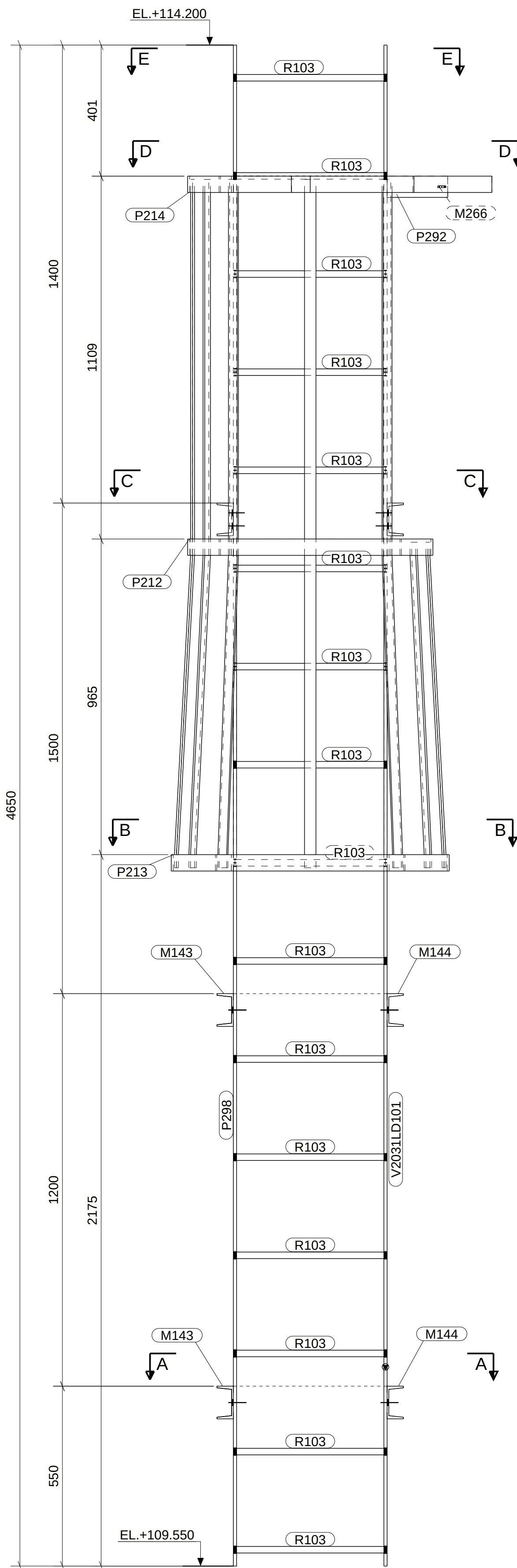
FINISH NOTES:
P - INDICATES ASSEMBLY TO BE FULLY PAINTED.
Y - INDICATES ASSEMBLY TO BE FULLY GALVANIZED.
F - INDICATES COMPLETELY ENCASED TYPE FIRE PROOFING.
H - INDICATES PARTIALLY ENCASED FIREPROOFING THAT IS BEAM WITH ONLY TOP OF TOP FLANGE PAINTED.
M - INDICATES PARTIAL FIREPROOFING FOR MARKED DIMENSION/ EXTEND AND REMAINING LENGTH TO BE FULLY PAINTED.
Z - INDICATES ASSEMBLY TO BE GALVANIZED AND PAINTED.
O.P - INDICATES ONLY PRIMER.

NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETRES & LEVELS ARE IN METRES.
2. THIS DRAWING SHOULD NOT BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. USE E250 GRADE FOR BASE PLATE AND BASE PLATE RELATED STIFFNERS. USE E250 GRADE FOR STRUCTURAL MEMBERS AND REMAINS ALL OTHER PLATES. U.O.S.
4. ♣ DENOTES SHOP MARK SHALL BE PROVIDED BY THE FABRICATOR ON FLANGE OF MEMBER/FACE OF PLATES ON EACH ASSEMBLY AS SHOWN. ON SHOP DETAIL DRAWINGS SAME IS TO BE REFERRED FOR ORIENTATION, DURING ERECTION OF THE ASSEMBLY.
5. USE 8.8 GRADE BOLTS EACH BOLT WILL HAVE 2 WASHERS & 1 NUT. ALL STRUCTURAL BOLTS SHALL BE HOT DIP GALVANISED.
6. ALL SHOP WELDS ARE 6 MM (FILLET) CONTINUOUS WELDED ALLAROUND & SITE WELDS SHALL BE 8MM (FILLET) JNO.
7. FABRICATION SHALL BE DONE AS PER SPECIFICATION, CONTRACT TERMS & CONDITIONS.
8. FIRE PROOFING AROUND BOLTED CONNECTION SHALL BE DONE AT SITE AFTER ERECTION OF BOLTED CONNECTION.
9. PROVIDE FULL THICKNESS BEVEL WELD WHERE FILLET WELD ACCESS NOT AVAILABLE AND ALL BEVEL WELDS ARE FULL THICK AND CONVEX TYPE WHERE PART EXTENDED OTHERWISE FLUSH.
10. PROVIDE SUITABLE BEVEL WELD ACCESS HOLES AT BOTH SIDES OF BEVEL EDGES.

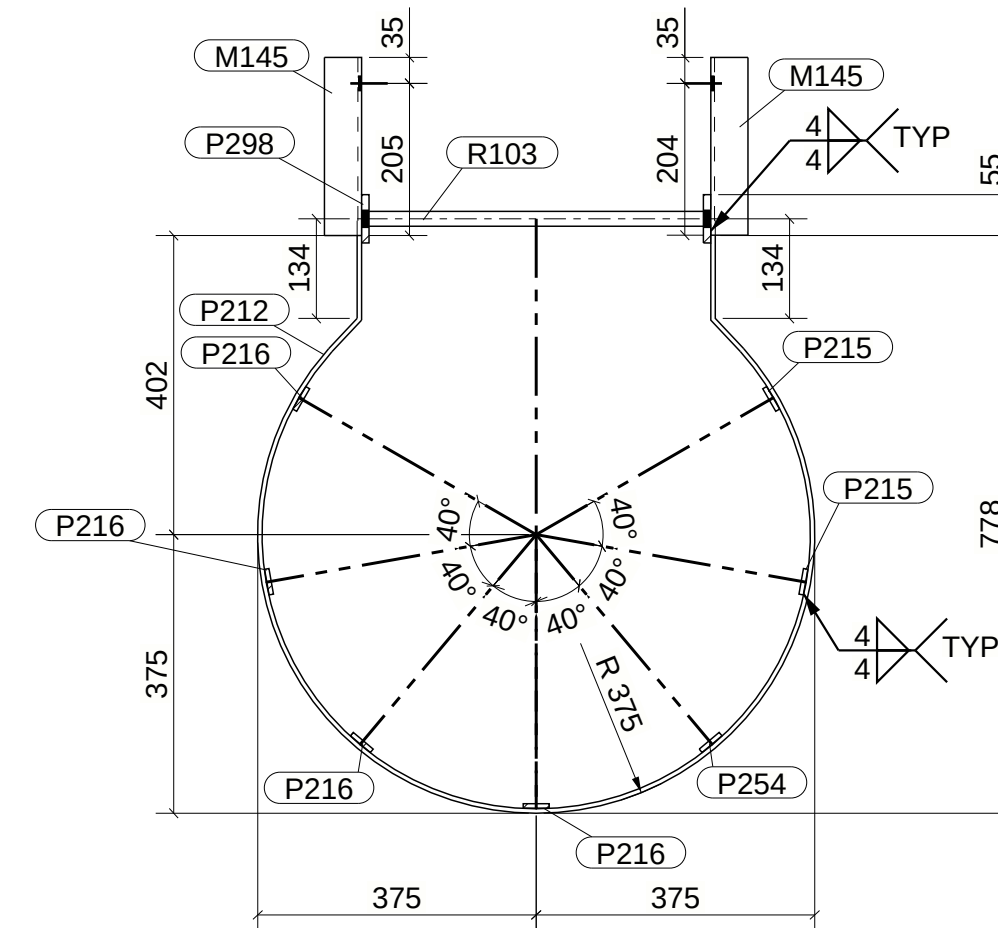
1No. PLATE MARKED AS 1803V203-LD101

BOLT LIST FOR ONE ASSEMBLY			
Type	Size	Length	Qty
8.8XOX	M16	40	4
8.8XOX	M16	45	8

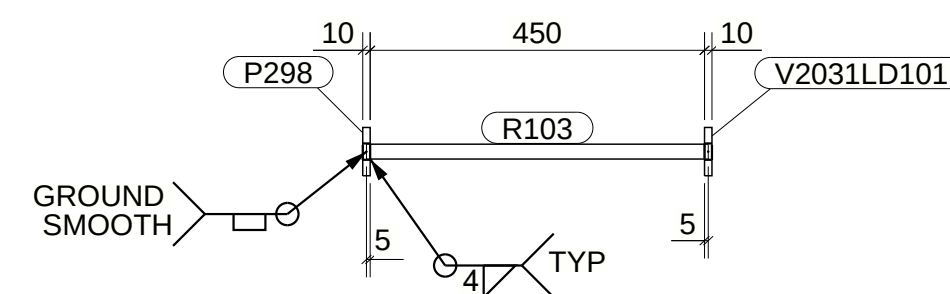
MATERIAL LIST FOR ONE ASSEMBLY MK'D V2031LD101 1 NOS.Required						
MARK	DESCRIPTION	GRADE	LENGTH	QTY.	UNIT WT (Kg)	TOTAL WT(Kg)
V2031LD101	FLAT10*65	E250	4650	1	23.73	23.73
R103	ROD20	E250	460	16	1.02	16.34
P298	FLAT10*65	E250	4650	1	23.73	23.73
P292	FLAT8*65	E250	185	1	0.76	0.76
P254	FLAT6*35	E250	2105	1	3.47	3.47
P216	FLAT6*35	E250	2106	4	3.47	13.88
P215	FLAT6*35	E250	996	2	1.64	3.29
P214	FLAT6*50	E250	1655	1	3.90	3.90
P213	FLAT6*50	E250	2282	1	5.37	5.37
P212	FLAT6*50	E250	2083	1	4.91	4.91
M267	D6	E250	46	1	0.01	0.01
M266	D6	E250	25	1	0.01	0.01
M145	ISMC100	E250	240	2	2.30	4.59
M144	ISMC100	E250	412	2	3.94	7.88
M143	ISMC100	E250	304	2	2.91	5.83
TOTAL FOR ONE ASSEMBLY IN Kg					=	117.69
TOTAL FOR 1 ASSEMBLIES IN Kg					=	117.69



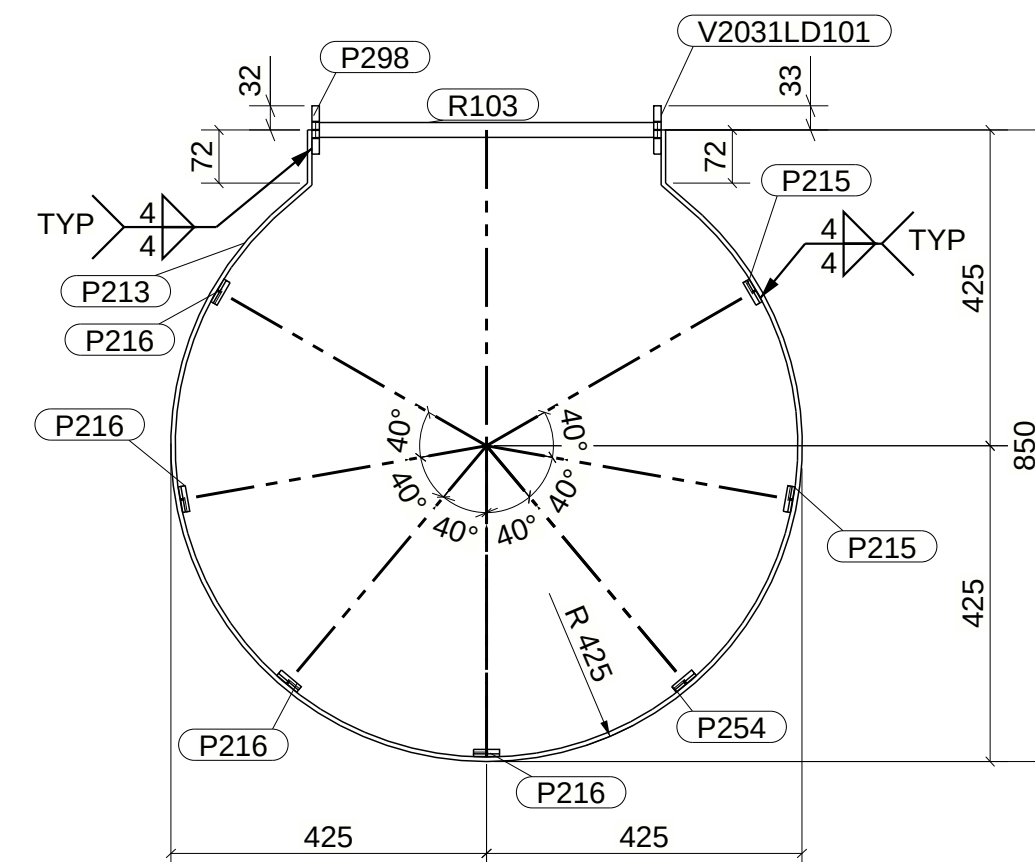
SECTION: A - A



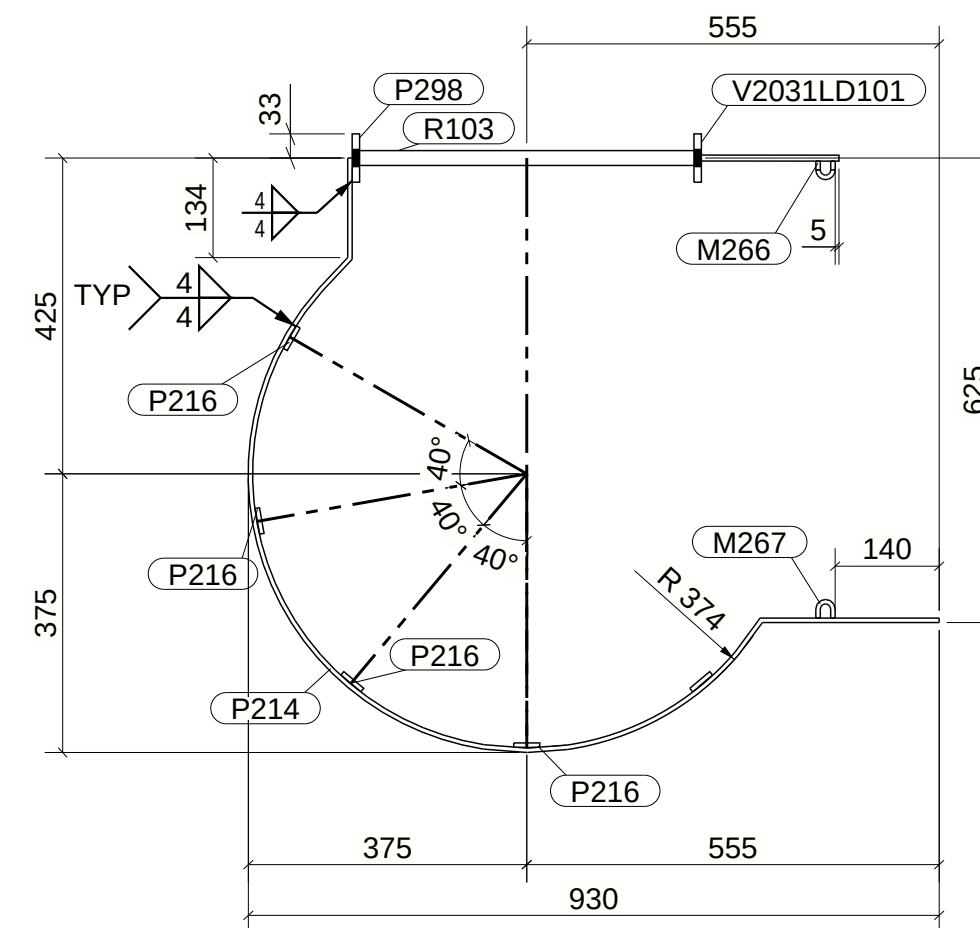
SECTION: C - C



SECTION: E - E



SECTION: B - B



SECTION: D - D

READ THIS DRAWING IN CONJUNCTION
WITH DWG.NO LADDER MKD-V2031LD101-1

PAINT: FULLY PAINTED BLACK - RAL 9017 REFER PAINT SPEC.07715C-000-JSD-2300-001

- NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETRES & LEVELS ARE IN METRES.
 2. THIS DRAWING SHOULD NOT BE SCALED ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 3. USE E250 GRADE FOR BASE PLATE AND BASE PLATE RELATED STIFFNERS. USE E250 GRADE FOR STRUCTURAL MEMBERS AND REMAINS ALL OTHER PLATES, U.O.S.
 4. ⬤ DENOTES SHOP MARK SHALL BE PROVIDED BY THE FABRICATOR ON FLANGE OF MEMBER/FACE OF PLATES ON EACH ASSEMBLY AS SHOWN. ON SHOP DETAIL DRAWINGS SAME IS TO BE REFERRED FOR ORIENTATION, DURING ERECTION OF THE ASSEMBLY.
 5. USE 8.8 GRADE BOLTS EACH BOLT WILL HAVE 2 WASHERS & 1 NUT. ALL STRUCTURAL BOLTS SHALL BE HOT DIP GALVANIZED.
 6. ALL SHOP WELDS ARE 6 MM (FILLET) CONTINUOUS WELDED ALLAROUND & SITE WELDS SHALL BE 8MM (FILLET) UNO.
 7. FABRICATION SHALL BE DONE AS PER SPECIFICATION, CONTRACT TERMS & CONDITIONS.
 8. FIRE PROOFING AROUND BOLTED CONNECTION SHALL BE DONE AT SITE AFTER ERECTION OF BOLTED CONNECTION.
 9. PROVIDE FULL THICKNESS BEVEL WELD WHERE FILLET WELD ACCESS NOT AVAILABLE AND ALL BEVEL WELDS ARE FULL THICK AND CONVEX TYPE WHERE PART EXTENDED OTHERWISE FLUSH.
 10. PROVIDE SUITABLE BEVEL WELD ACCESS HOLES AT BOTH SIDES OF BEVEL EDGES.

- FINISH NOTES:
- P - INDICATES ASSEMBLY TO BE FULLY PAINTED.
 - Y - INDICATES ASSEMBLY TO BE FULLY GALVANIZED.
 - F - INDICATES COMPLETELY ENCASED TYPE FIRE PROOFING.
 - H - INDICATES PARTIALLY ENCASED FIREPROOFING THAT IS BEAM WITH ONLY TOP OF TOP FLANGE PAINTED.
 - M - INDICATES PARTIAL FIREPROOFING FOR MARKED DIMENSION/ EXTEND AND REMAINING LENGTH TO BE FULLY PAINTED.
 - Z - INDICATES ASSEMBLY TO BE GALVANIZED AND PAINTED.
 - O.P - INDICATES ONLY PRIMER.

1No. RAIL BAR MARKED AS V2031LD101 Z

The drawing consists of two parts: a Plan view and a Section view.

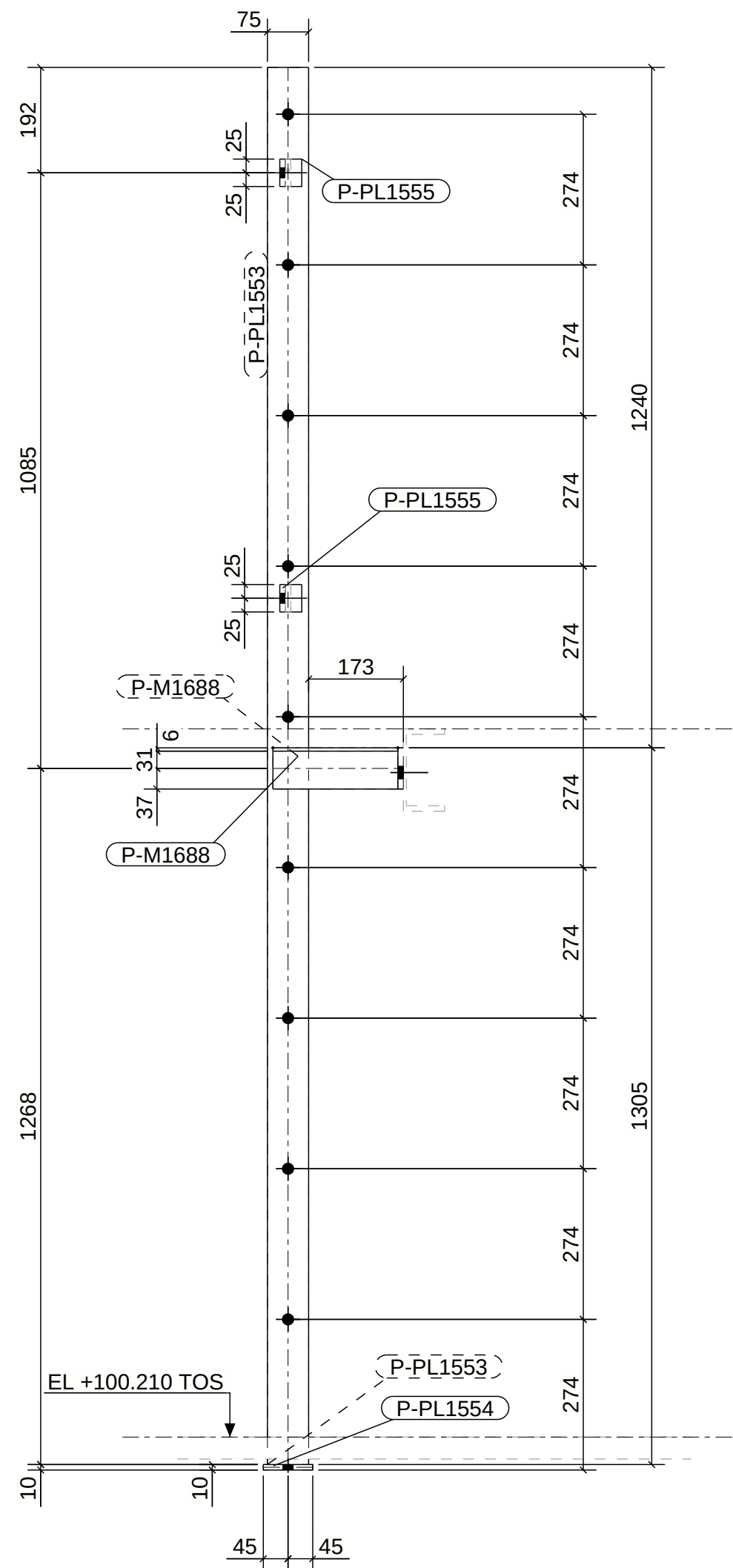
PLAN: Shows a rectangular cover with overall dimensions of 480 mm by 360 mm. The central rectangular area has dimensions of 450 mm by 300 mm. There are 15 mm margins on all four sides. A 15 mm rounded corner is indicated on the top edge. Dimensions for the central area are 50 mm, 300 mm, and 50 mm. A note states: "DRILLED AND TAP HOLES TO FIT BOLT (2) 8 COUSIN/BLACK ROUND SCREWING @ 2 LOCATIONS". A label "ANTI BOUNDED COVER" is placed on the central area. A large upward arrow indicates the "PERSON STANDING POSITION".

SECTION: Shows a cross-section of the cover. The top surface is 30 mm thick. The cover is 15 mm thick. The bottom surface is 30 mm thick. A note states: "30 MM ROD UNDER RUNGS". A label "PERSON STANDING POSITION" with an arrow points to the top surface. A note states: "DRILLED AND TAP HOLES TO FIT BOLT (2) 8 COUSIN/BLACK ROUND SCREWING @ 2 LOCATIONS". A note states: "30 MM ROD UNDER RUNGS".

MANUFACTURING INSTRUCTIONS:

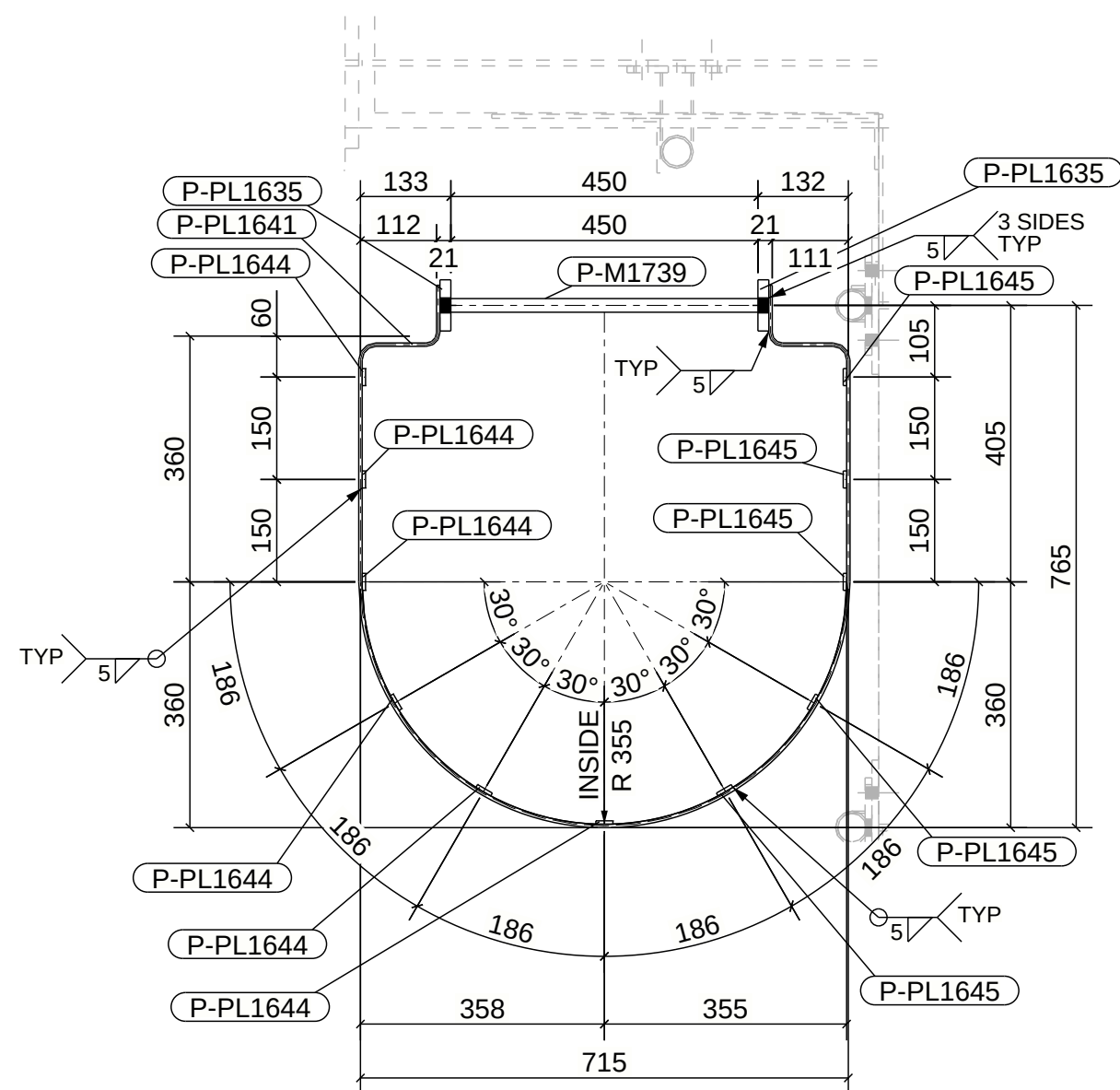
- 1. MAKE FROM 35 DQ2 BT WTT
- 2. DRILL WITH 1" ACCESS HOLE
- 3. DRILL WITH 1" ACCESS HOLE
- 4. DRILL WITH 1" ACCESS HOLE
- 5. DRILL WITH 1" ACCESS HOLE
- 6. DRILL WITH 1" ACCESS HOLE
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- 100. DRILL WITH 1" ACCESS HOLE

TYP: DETAIL OF ANTI SLIP COVER

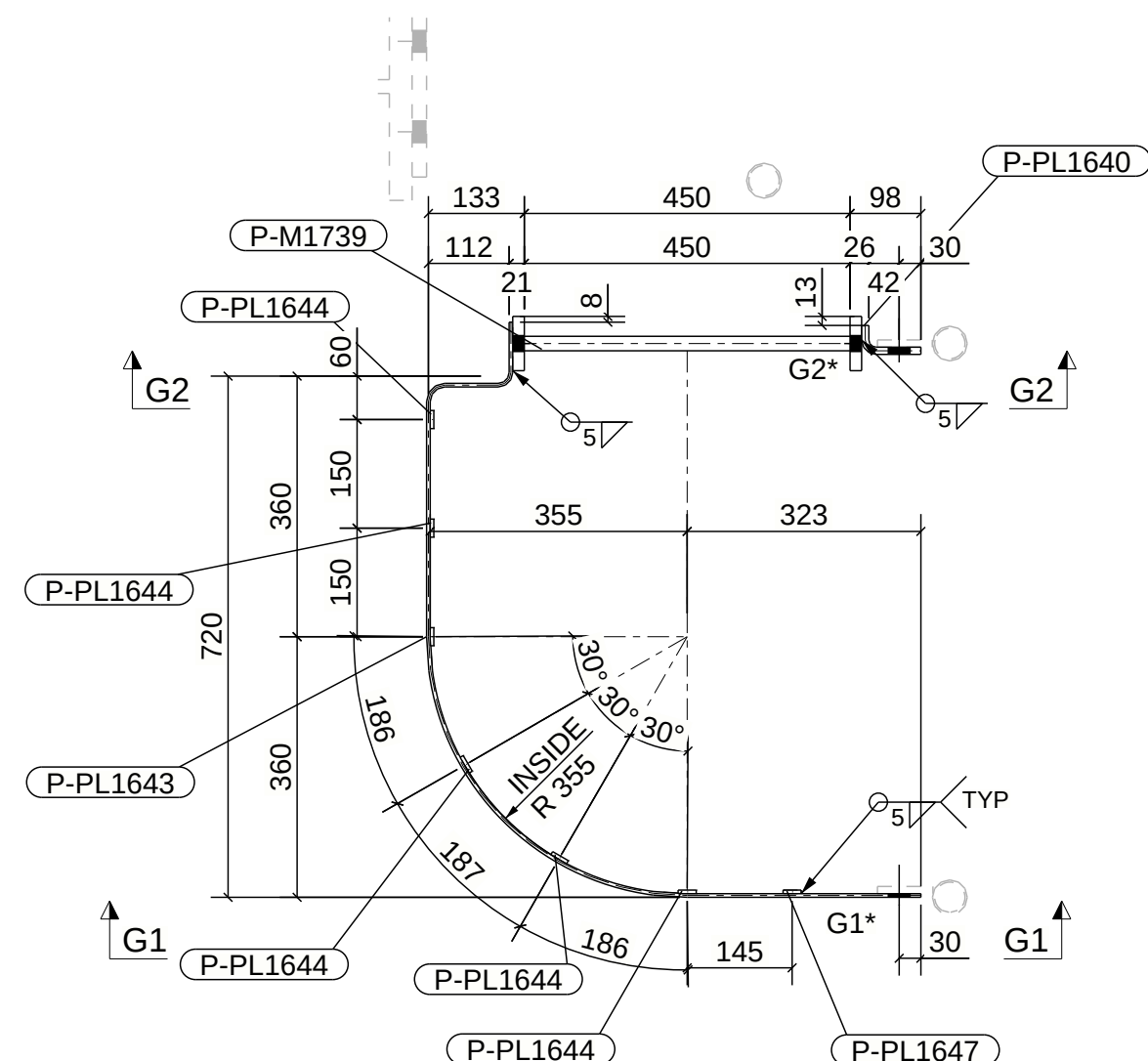
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SECTION A - A
SCALE - 1:10
A * AS SHOWN
AT 1 LOCATION

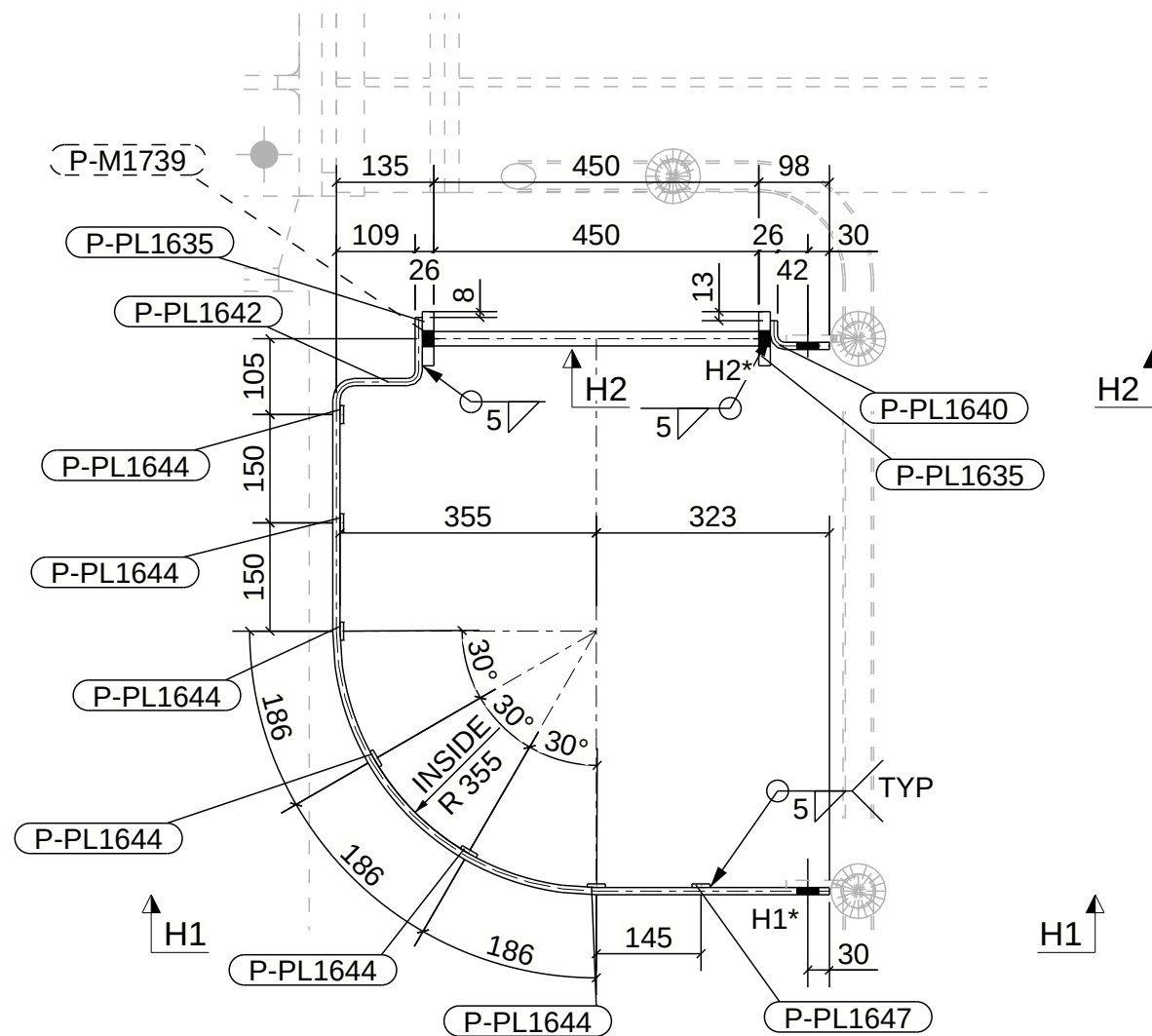
ASSEMBLY DETAIL FOR PAU125-P-LD1



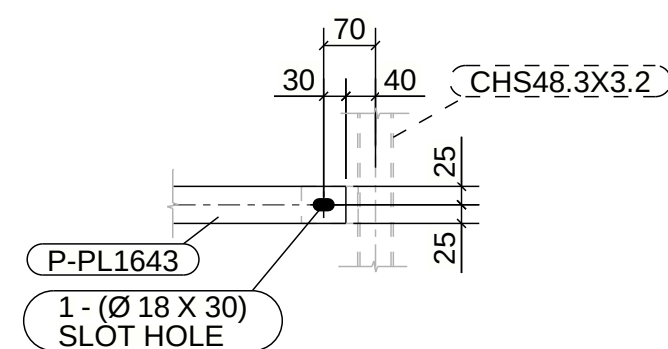
SECTION F - F
SCALE - 1:10
F* AS SHOWN
AT 1 LOCATION
SHT. 01



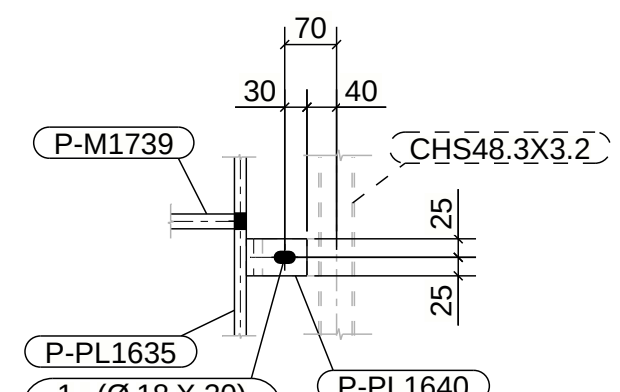
SECTION G - G
SCALE - 1:10
G* AS SHOWN
AT 1 LOCATION
SHT. 01



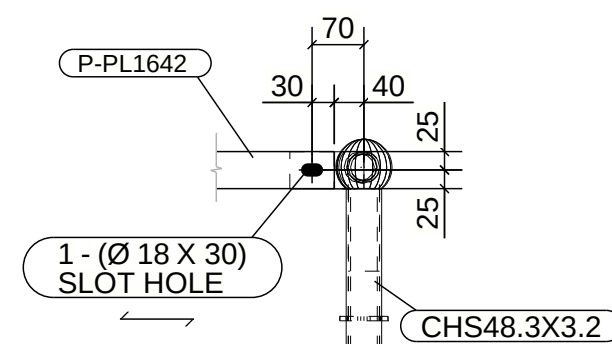
SECTION H - H
SCALE - 1:10
H* AS SHOWN
AT 1 LOCATION
SHT. 01



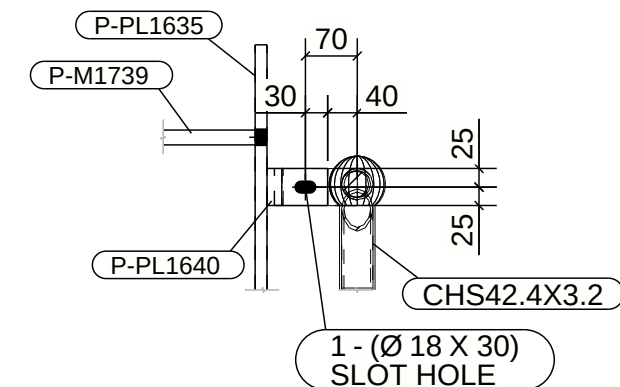
SECTION G1 - G1
SCALE - 1:10
G1* AS SHOWN
AT 1 LOCATION



SECTION G2 - G2
SCALE - 1:10
G2* AS SHOWN
AT 1 LOCATION



SECTION H1 - H1
SCALE - 1:10
H1* AS SHOWN
AT 1 LOCATION



SECTION H2 - H2
SCALE - 1:10
H2* AS SHOWN
AT 1 LOCATION