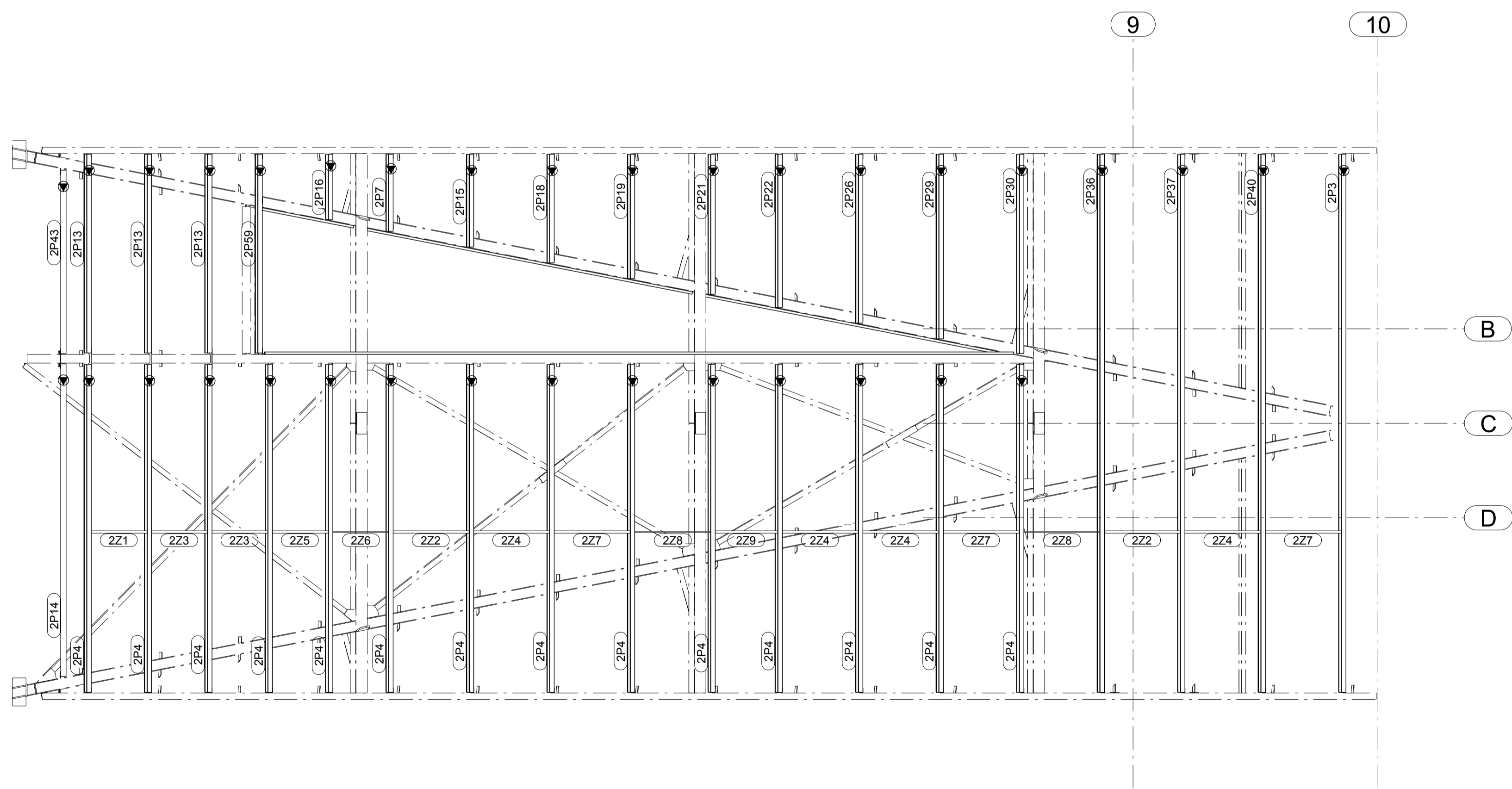
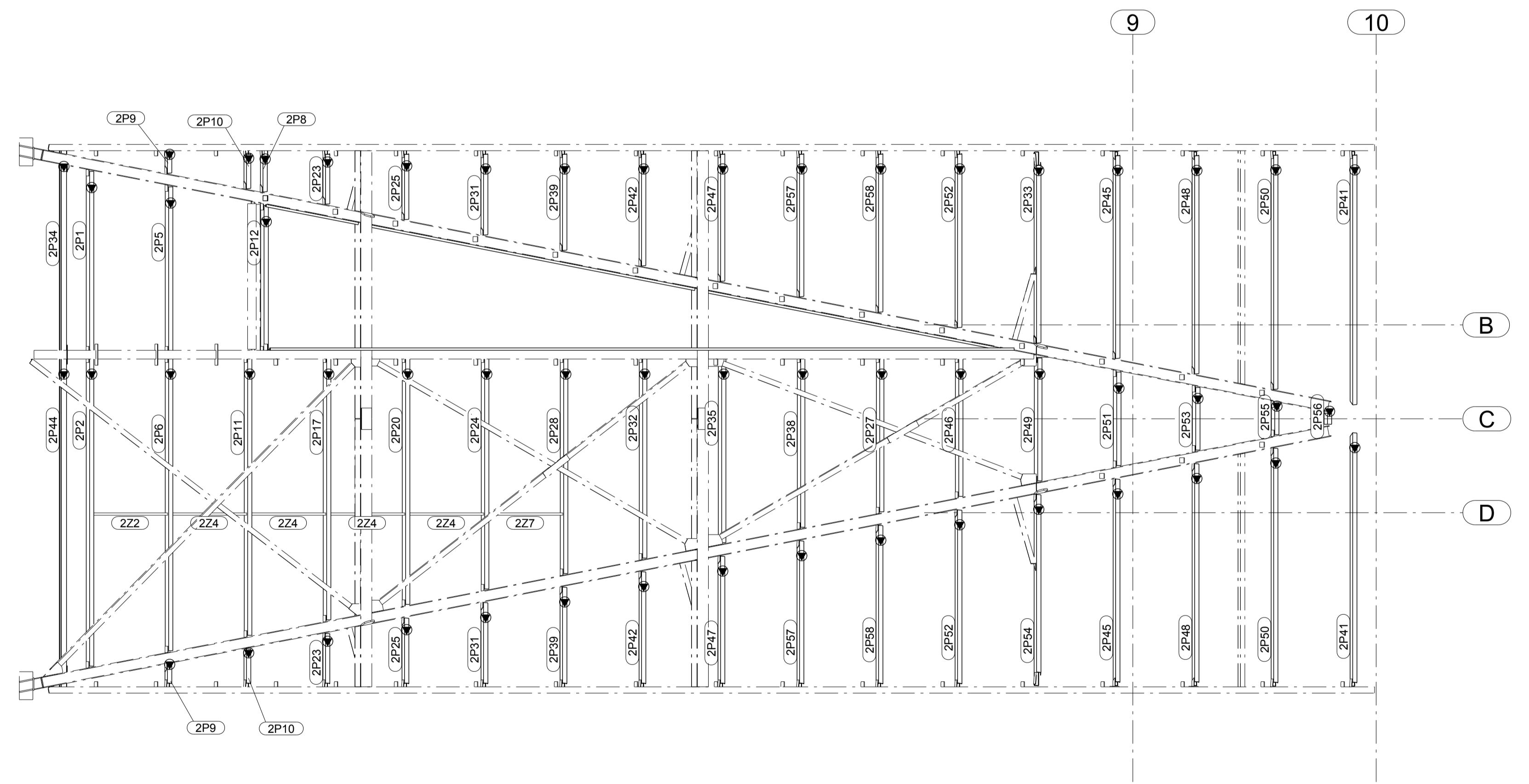


LINK CANOPY STEEL MARKING PLAN



LINK CANOPY ROOF PURLIN MARKING PLAN



LINK CANOPY CEILING PURLIN MARKING PLAN

ERECTION NOTES

- INDICATES MARKED END OF MEMBER. MEMBERS TO BE ERECTED WITH ASSEMBLY MARK AT THIS LOCATION.
- COLUMNS HAVE ASSEMBLY MARK STAMPED ON NORTH OR EAST FACING FLANGE NEAR BASE OF SHAFT. I.N.O.
- VERTICAL BRACING, STAIRS, HANGERS, AND OTHER INCLINED MEMBERS HAVE ASSEMBLY MARK STAMPED ON TOP END. MARKS WITH ASTERISK* ARE STAMPED ON BOTTOM END.
- FIN PLATES FOR CHANNELS ARE ON HEEL UNLESS SHOWN OTHERWISE.
- FIN PLATES FOR BEAMS WILL BE ON NORTH OR WEST SIDE OF BEAM WEB, UNLESS SHOWN OTHERWISE. I.e. ERECT BEAMS TO SOUTH OR EAST SIDE OF CLEAT.

ERECTION PLAN REFERENCE:
EPP-MP-20

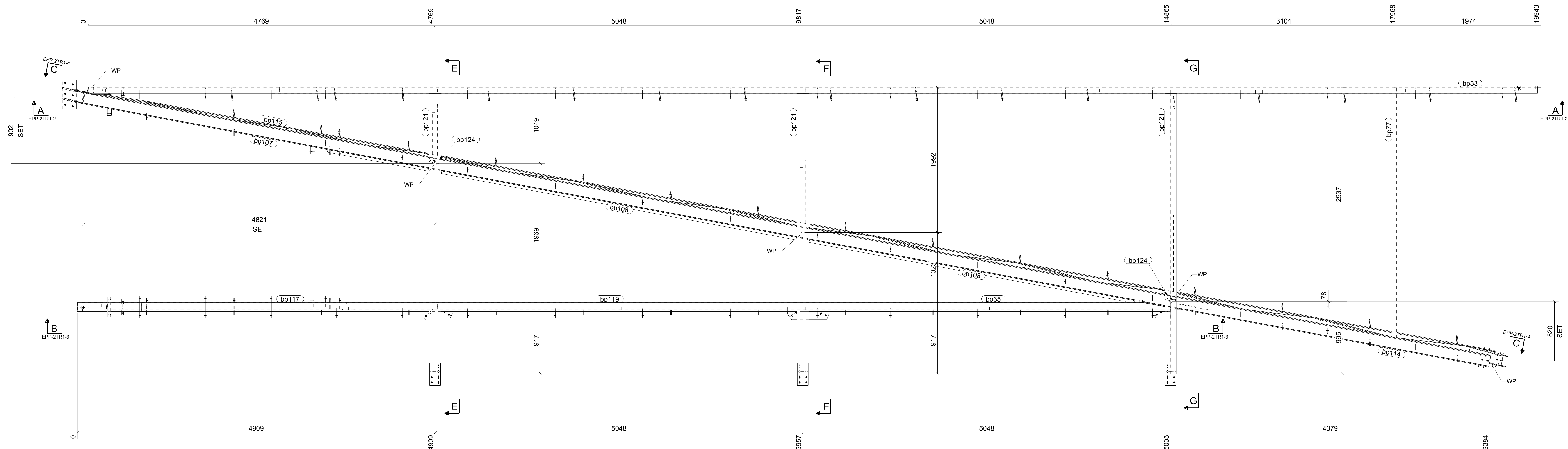
No	REV.	DESCRIPTION	DATE
2	0	ISSUED FOR CONSTRUCTION	06.05.2011
1	A	ISSUED FOR APPROVAL	29.04.2011

Xteck Drafting Pty. Ltd.
A.B.N. 69 079 793 122
14 / 37 - 39 ALBERT RD, MELBOURNE, VIC. AUSTRALIA. 3004
PH. +61 3 9866 1015 FAX. +61 3 9866 1016 MOB. 0411 566 698
JOHN HOLLAND PTY. LTD.
415 Johnston St. Abbotsford. 3067

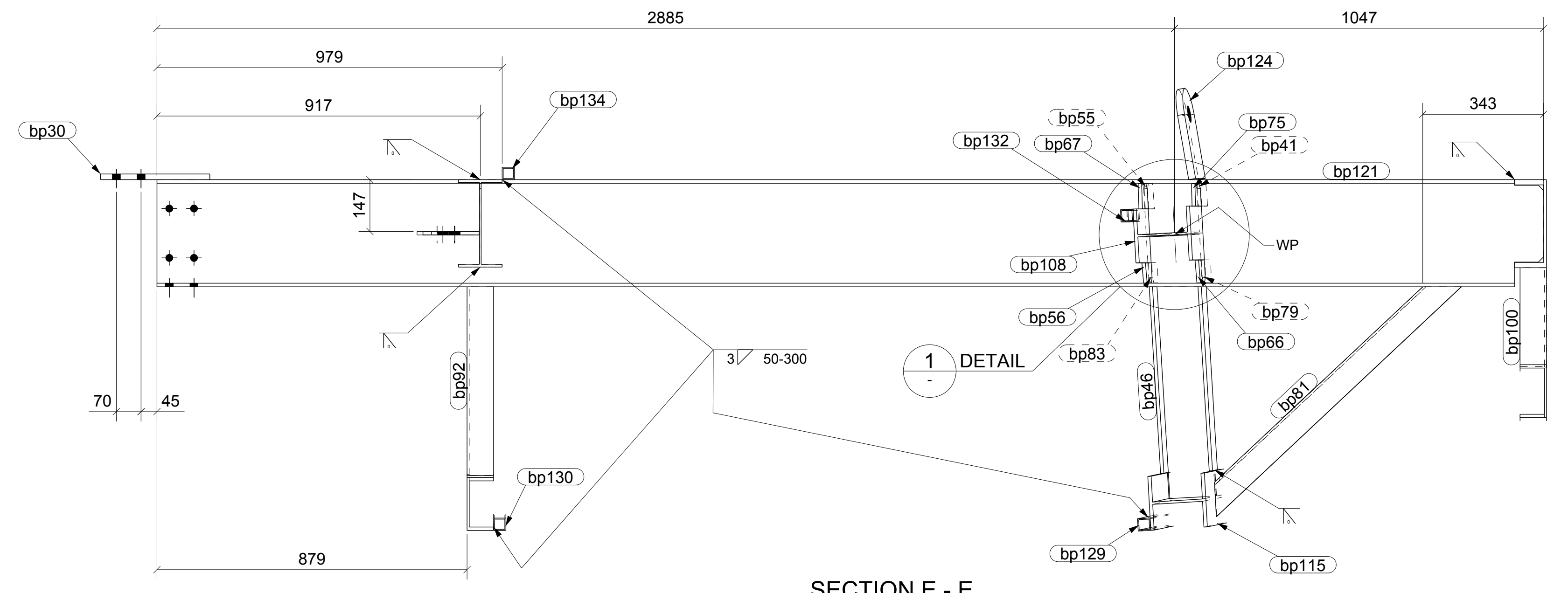
DESIGN ENGINEER:

**SOUTH MORANG RAIL EXTENSION
EPPING STATION
EPPING PLATFORM LINK CANOPY
PLAN VIEW**

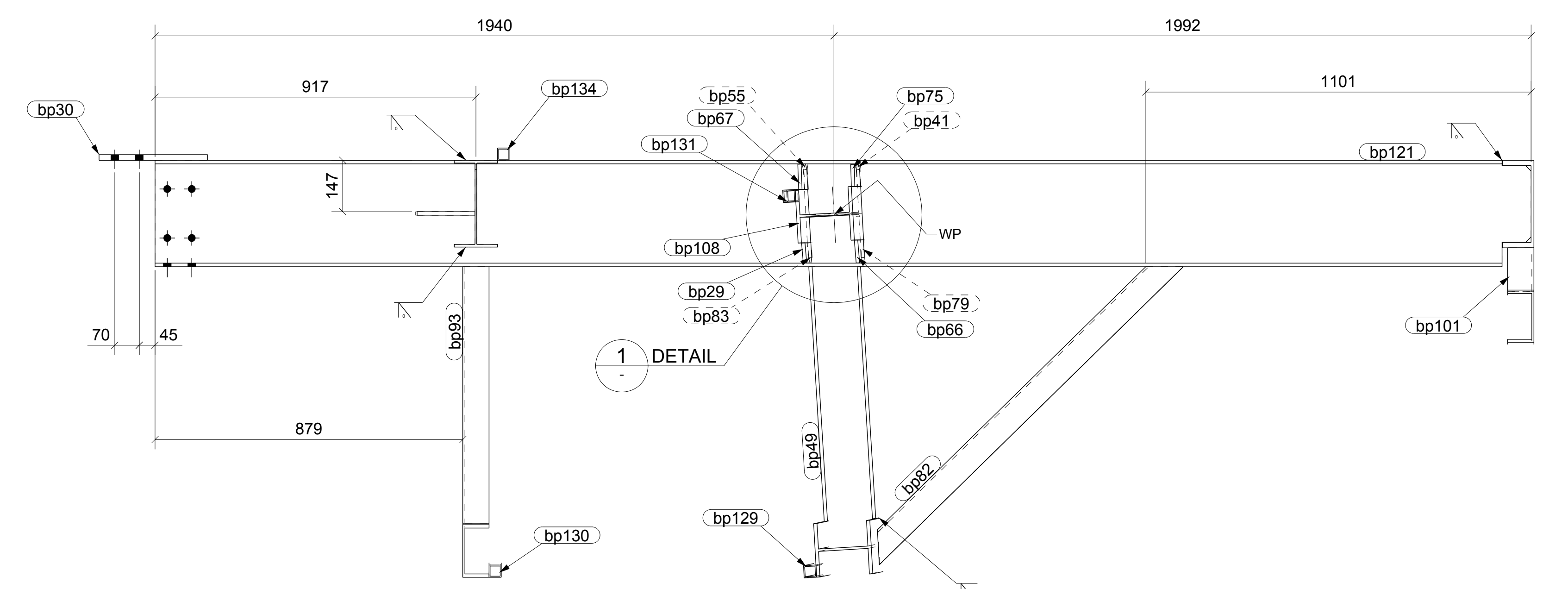
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AM	XTD	EPP-MP-23	0
DATE: 06.05.2011	SCALE: 1:50		



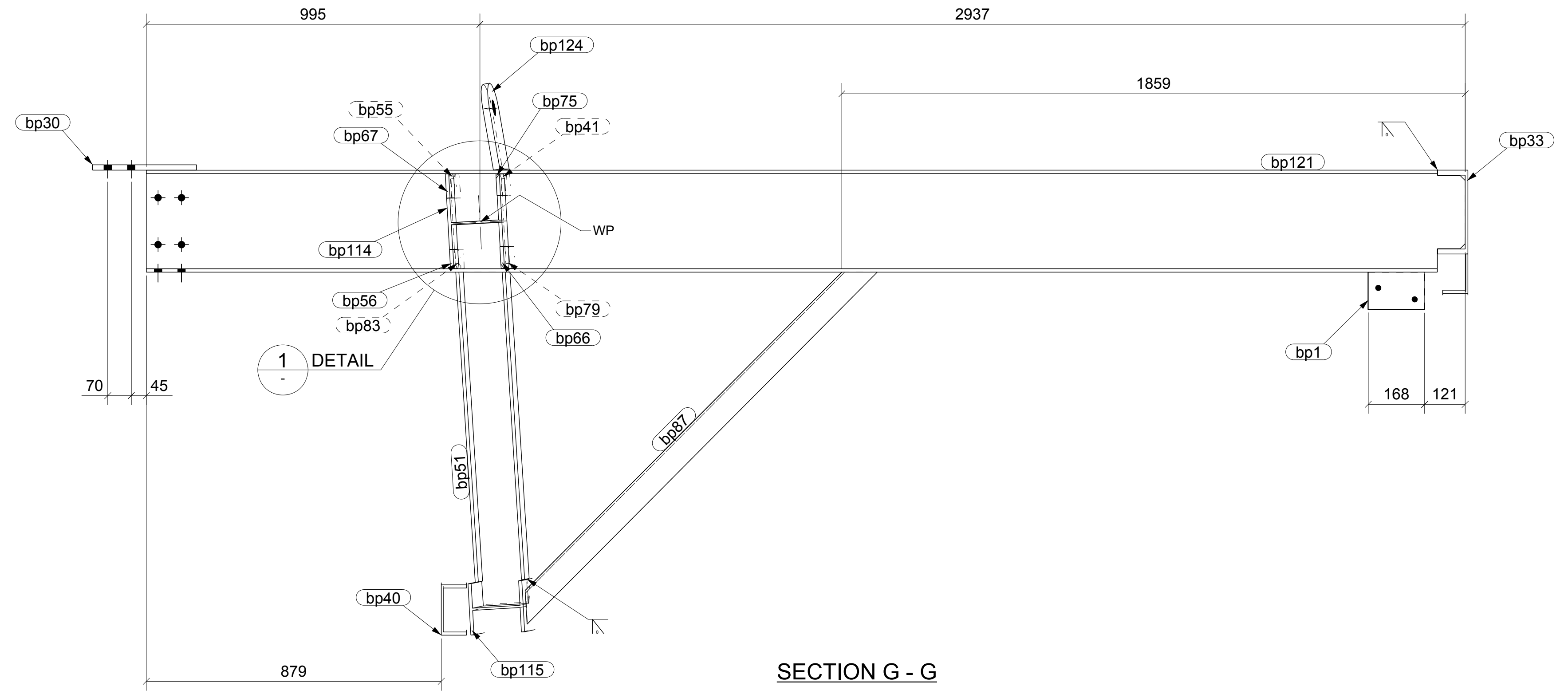
2TR1 PLAN VIEW



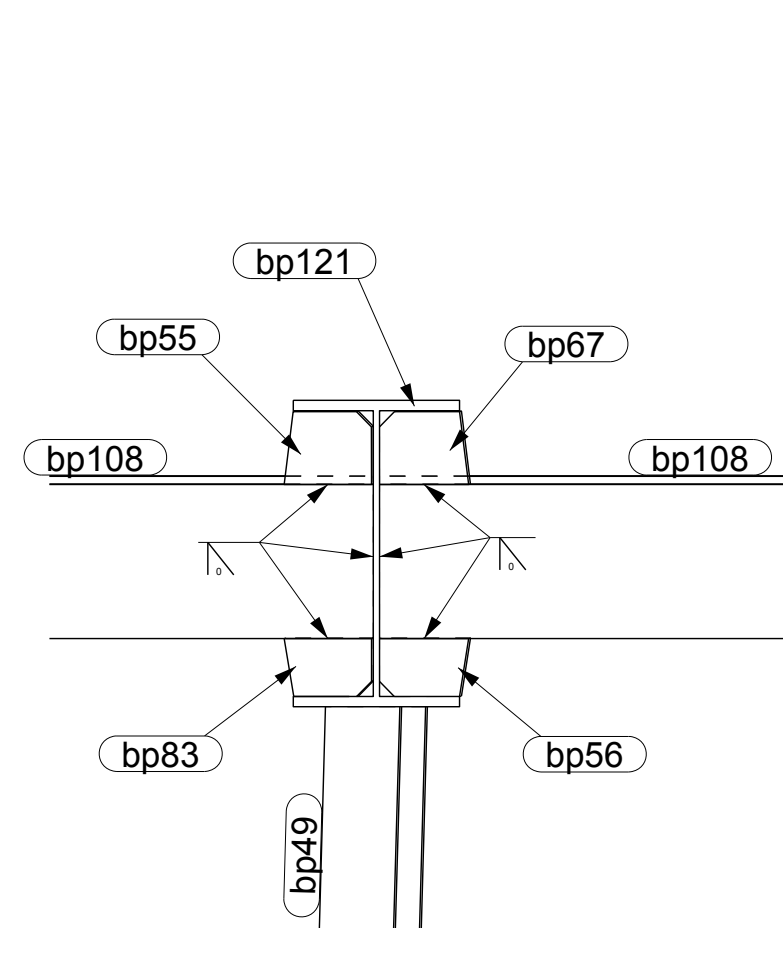
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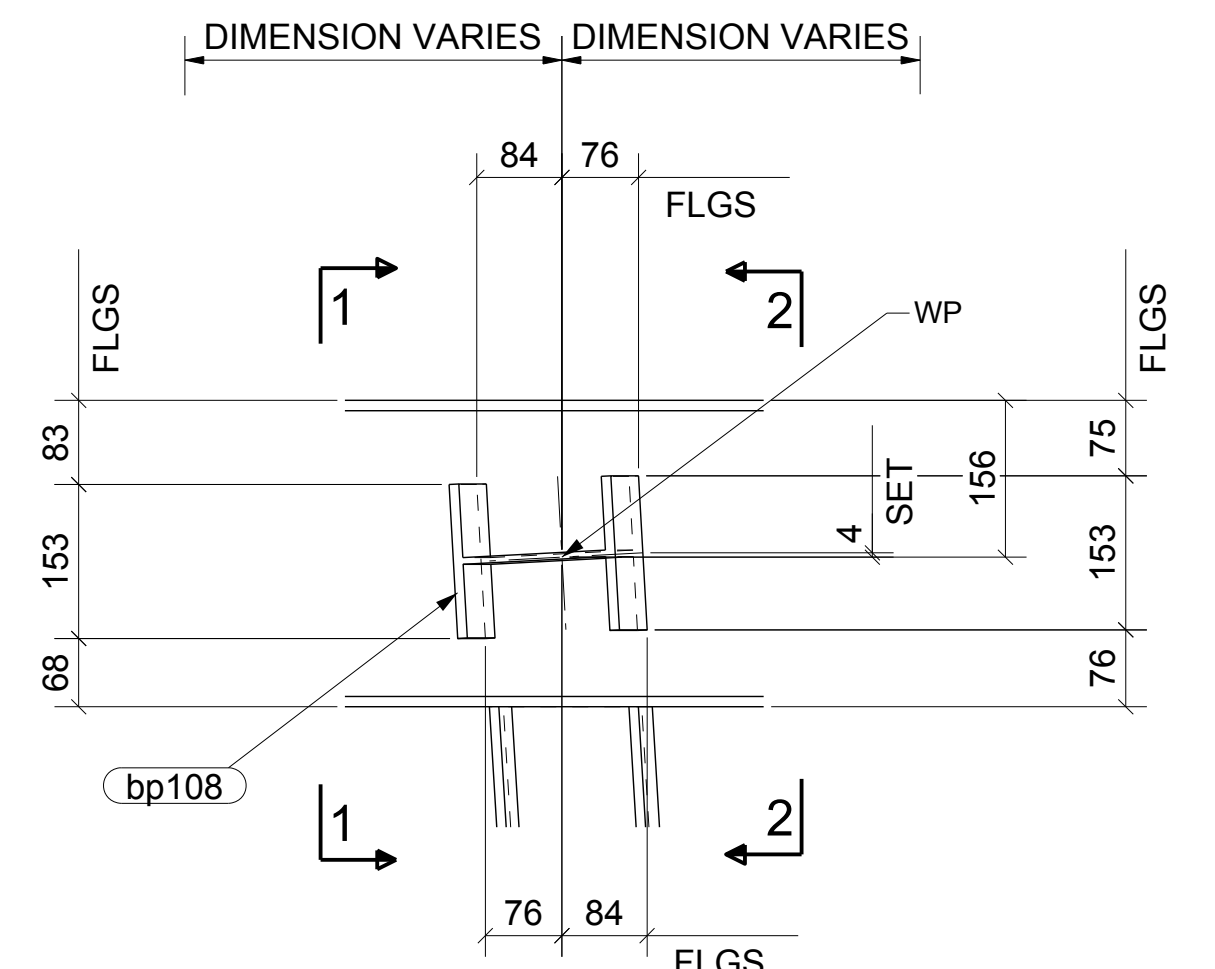
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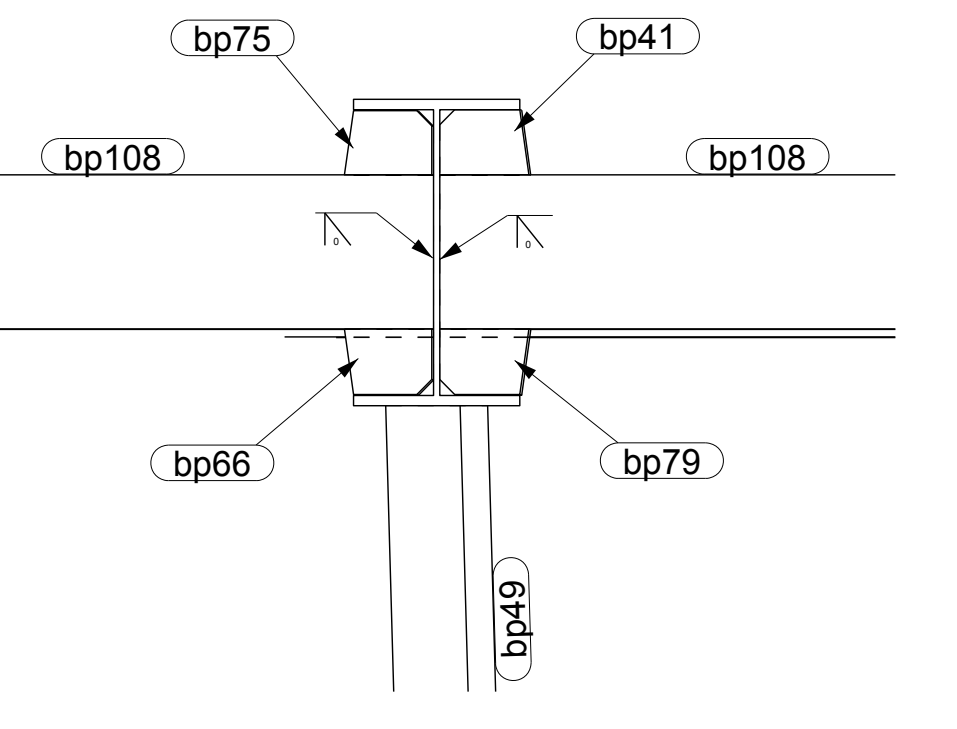
SECTION G - G



SECTION 1 - 1



DETAIL 1
TOP CHORD TRUSS SETOUT



SECTION 2 - 2

GENERAL NOTES

1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF FF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THUS ∇ N S F S
7. ALL HOLES R02 U.N.O.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
EPP-2TR1-2,3,4,5

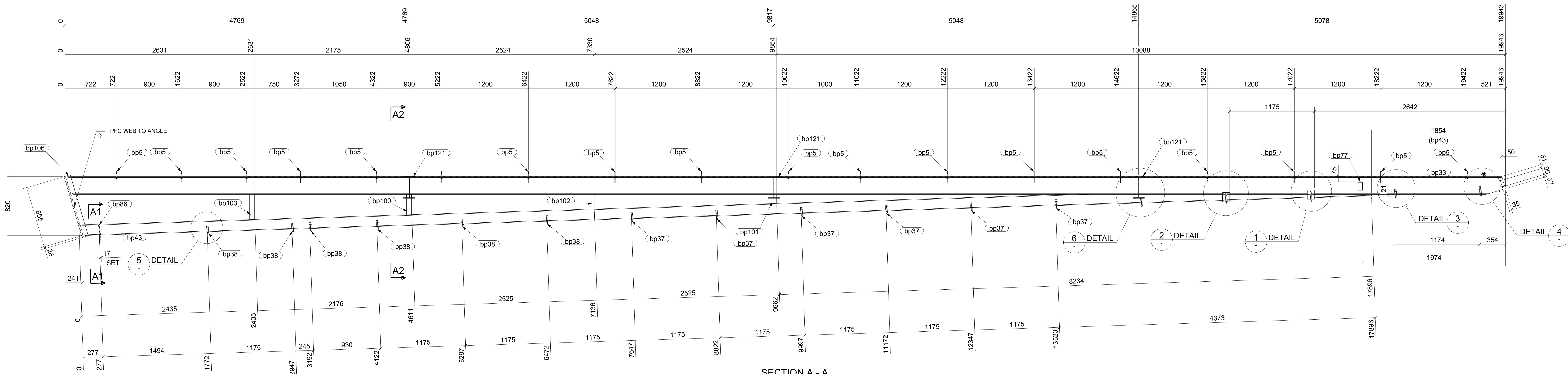
No.	REV.	DESCRIPTION	DATE
2	0	ISSUED FOR FABRICATION	06.05.2011
1	A	ISSUED FOR APPROVAL	29.04.2011

Rock Drafting Pty. Ltd.
ALB 49 079 750 122
14/37 - 39 ALBERT RD, MELBOURNE, VIC. AUSTRALIA, 3004
PH: +61 3 9866 1015 FAX: +61 3 9866 1016 MOB: 0411 566 698
JOHN HOLLAND PTY. LTD.
415 Johnston St. Abbotsford, 3067

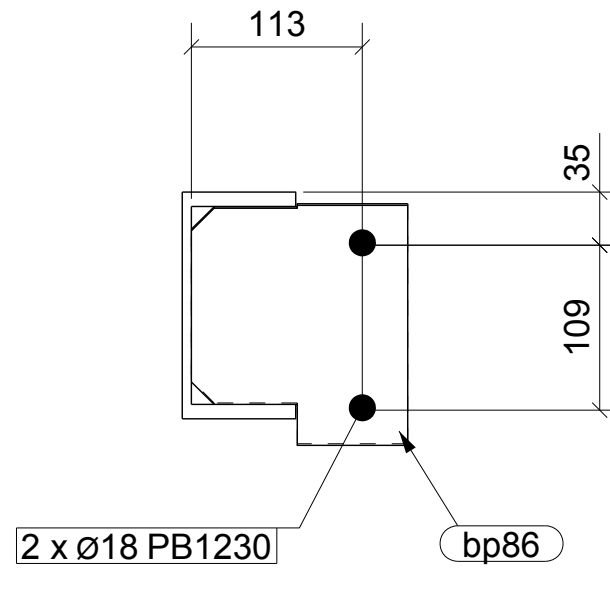
DESIGN ENGINEER:

**SOUTH MORANG RAIL EXTENSION
EPPING STATION
LINK CANOPY
PLAN LAYOUT**

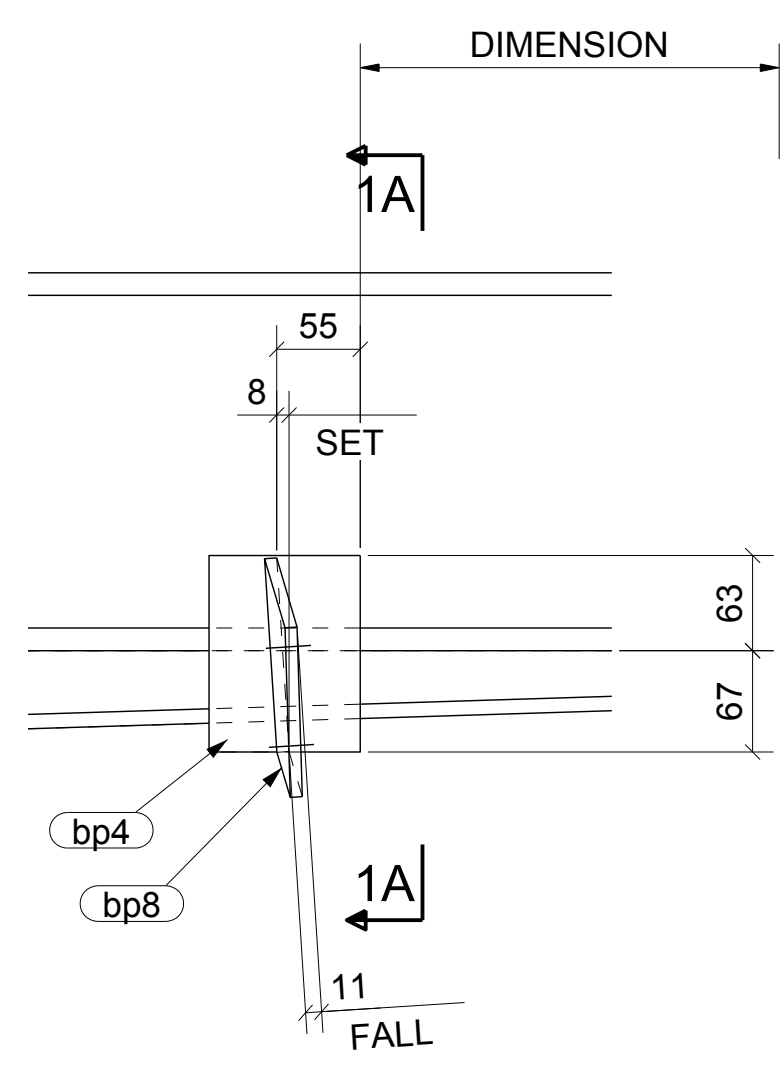
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06.05.2011	1:7.5	EPP-2TR1-1	



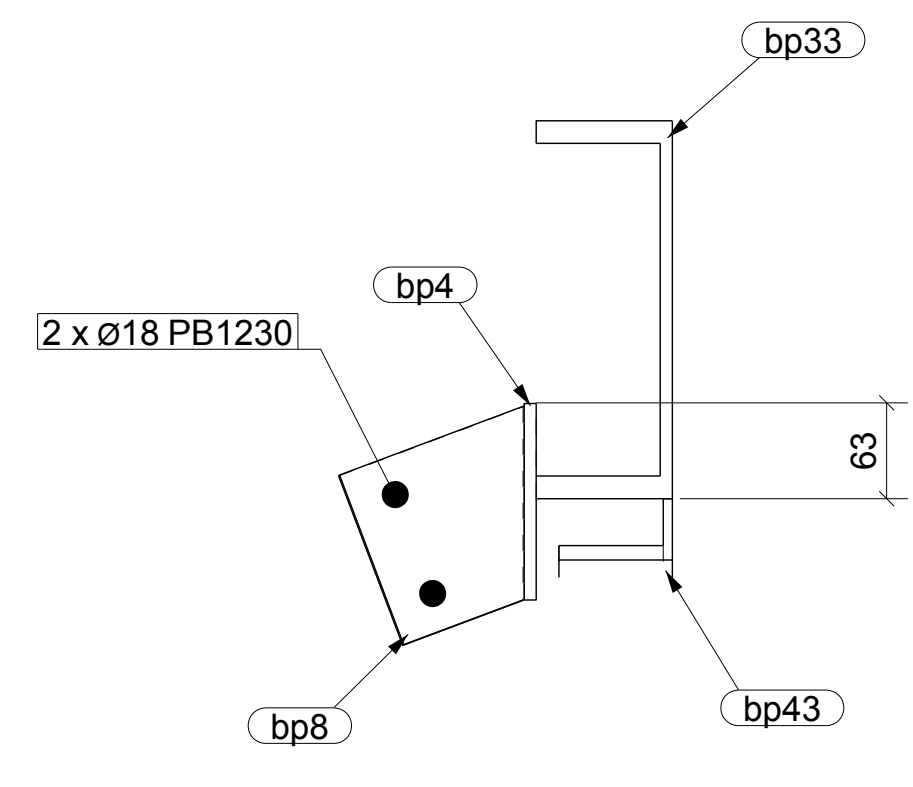
SECTION A - A
2TR1-1



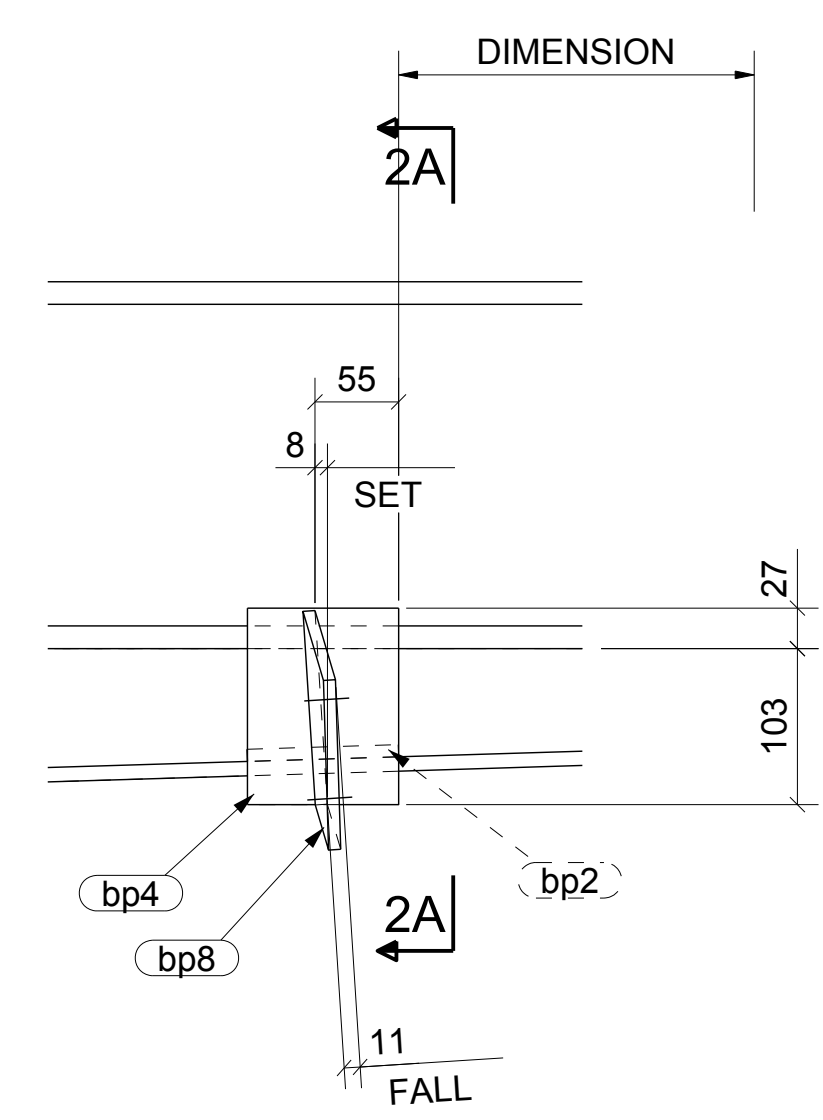
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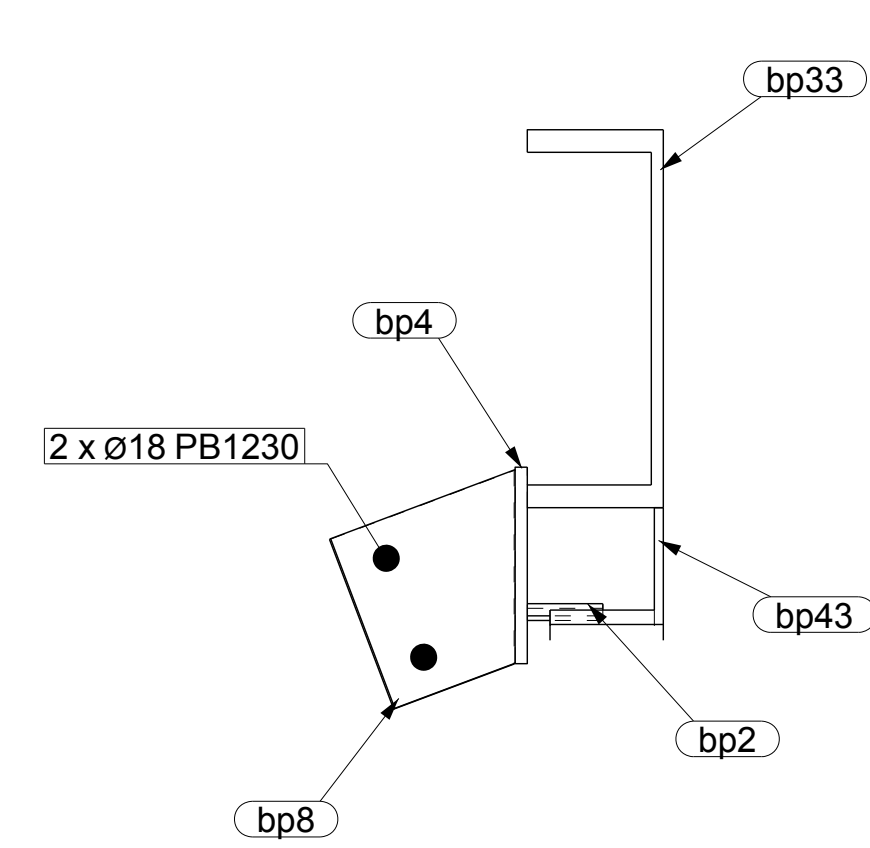
DETAIL 1



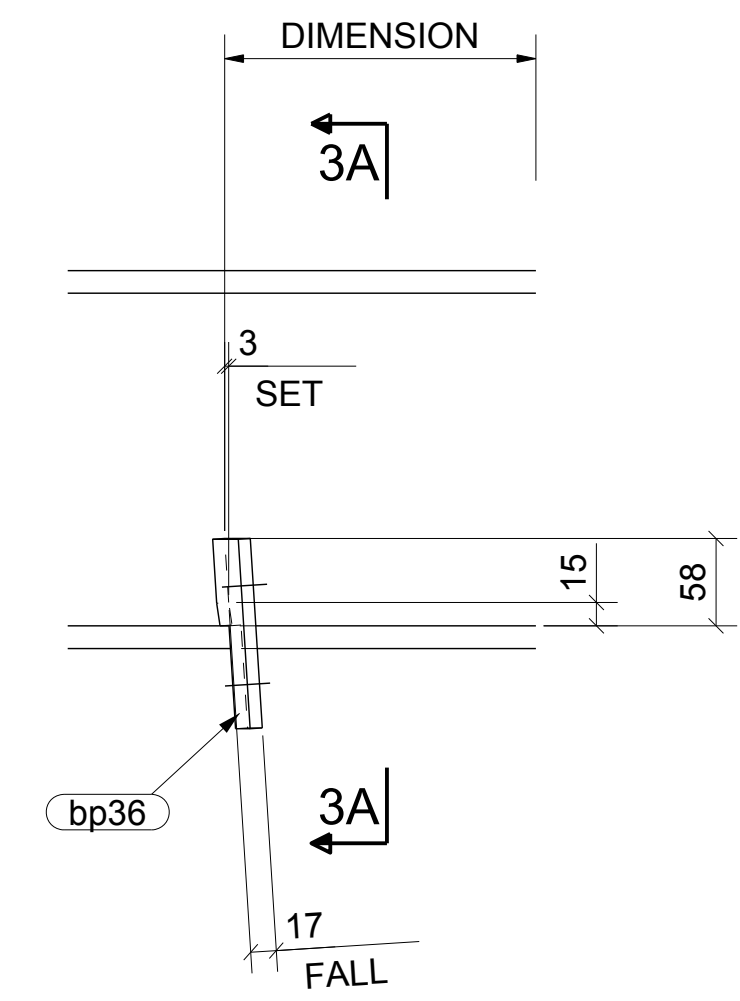
SECTION 1A



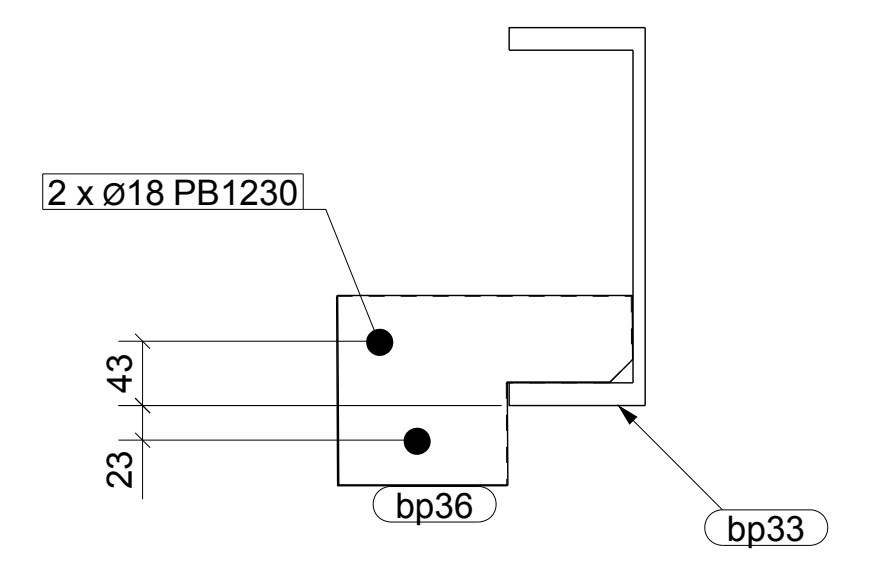
DETAIL 2



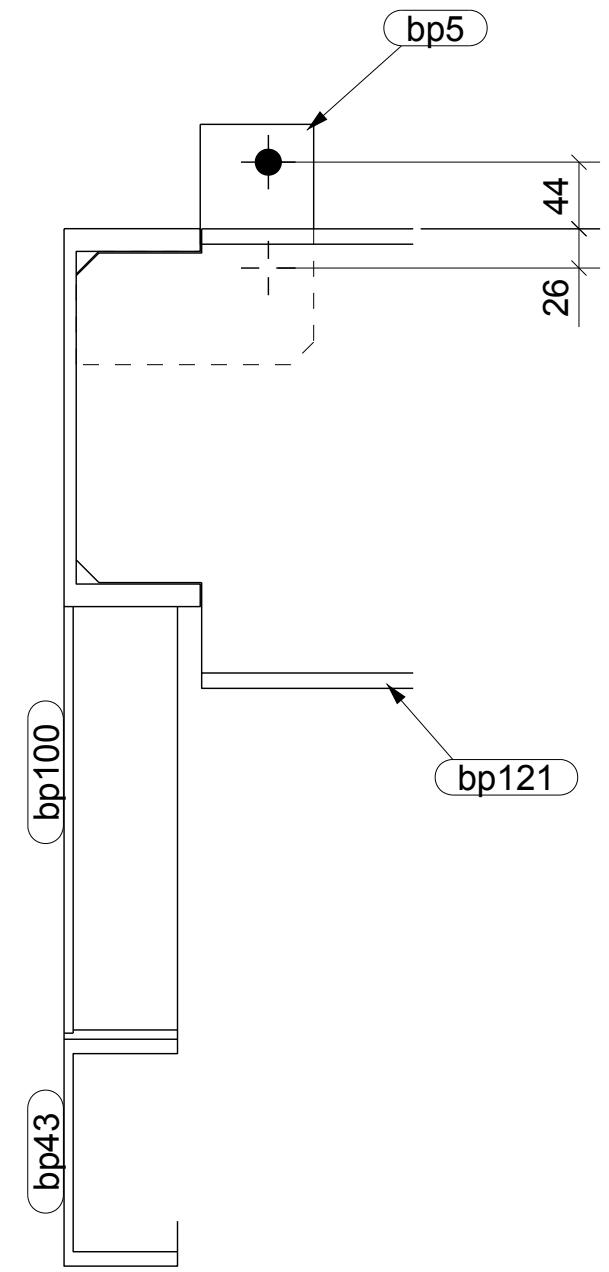
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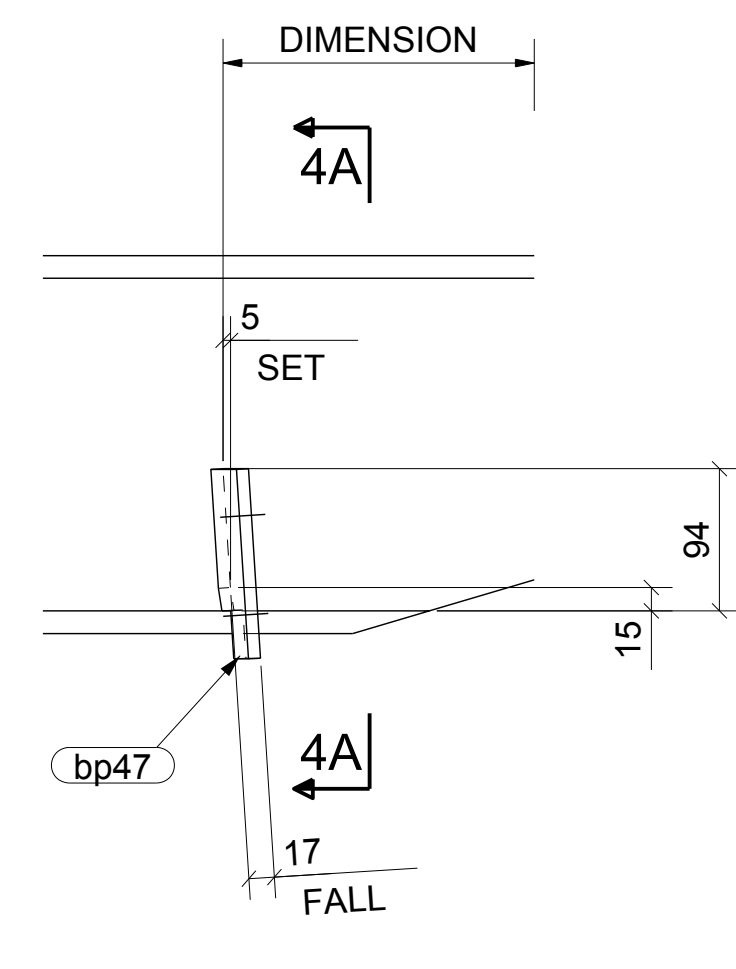
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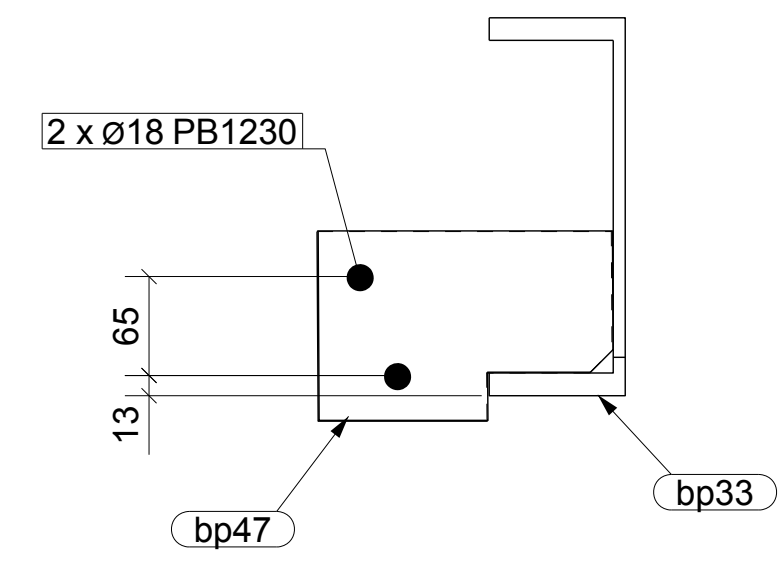
SECTION 3A



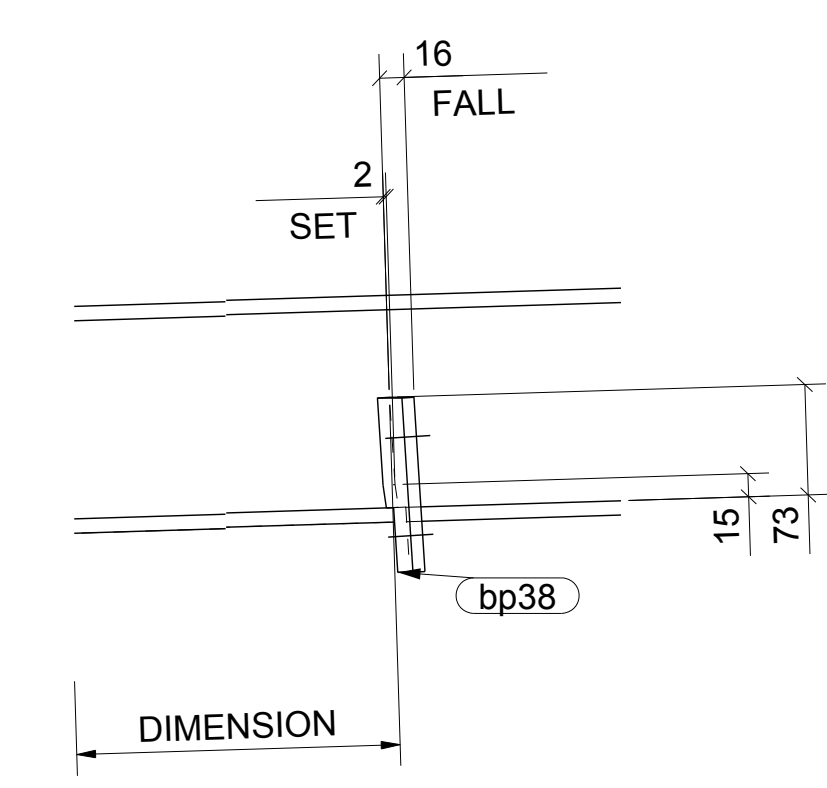
SECTION A2



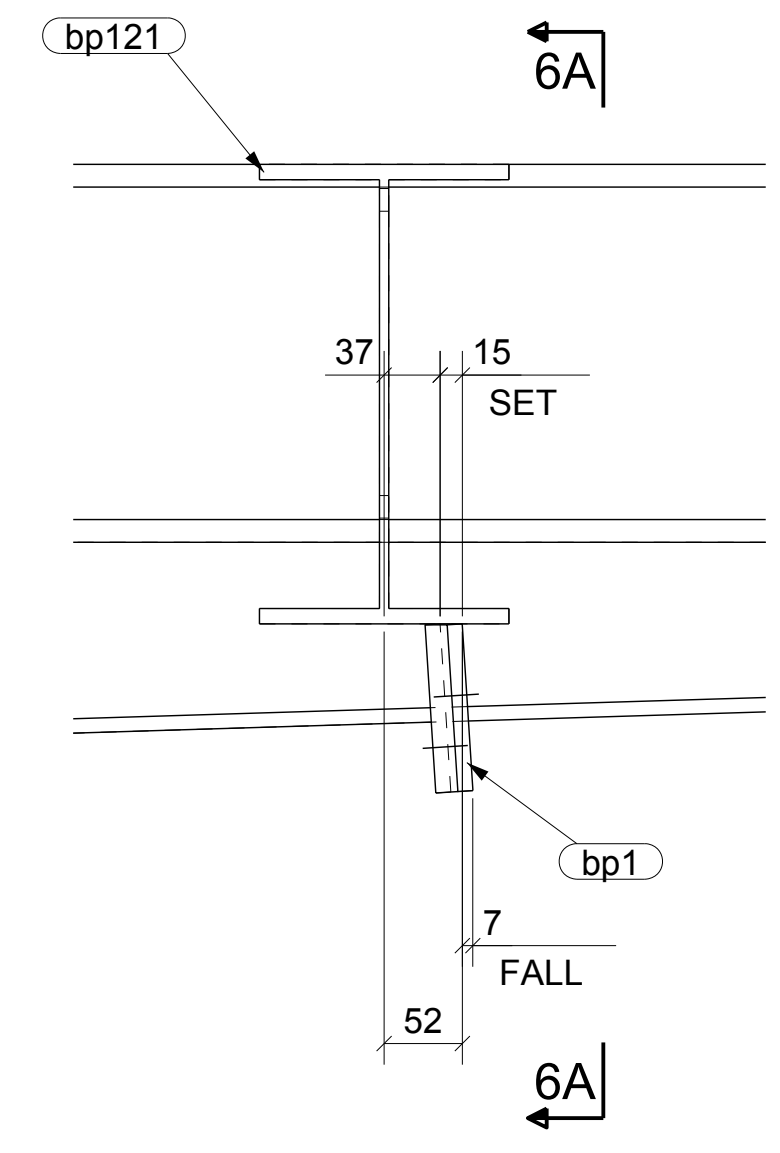
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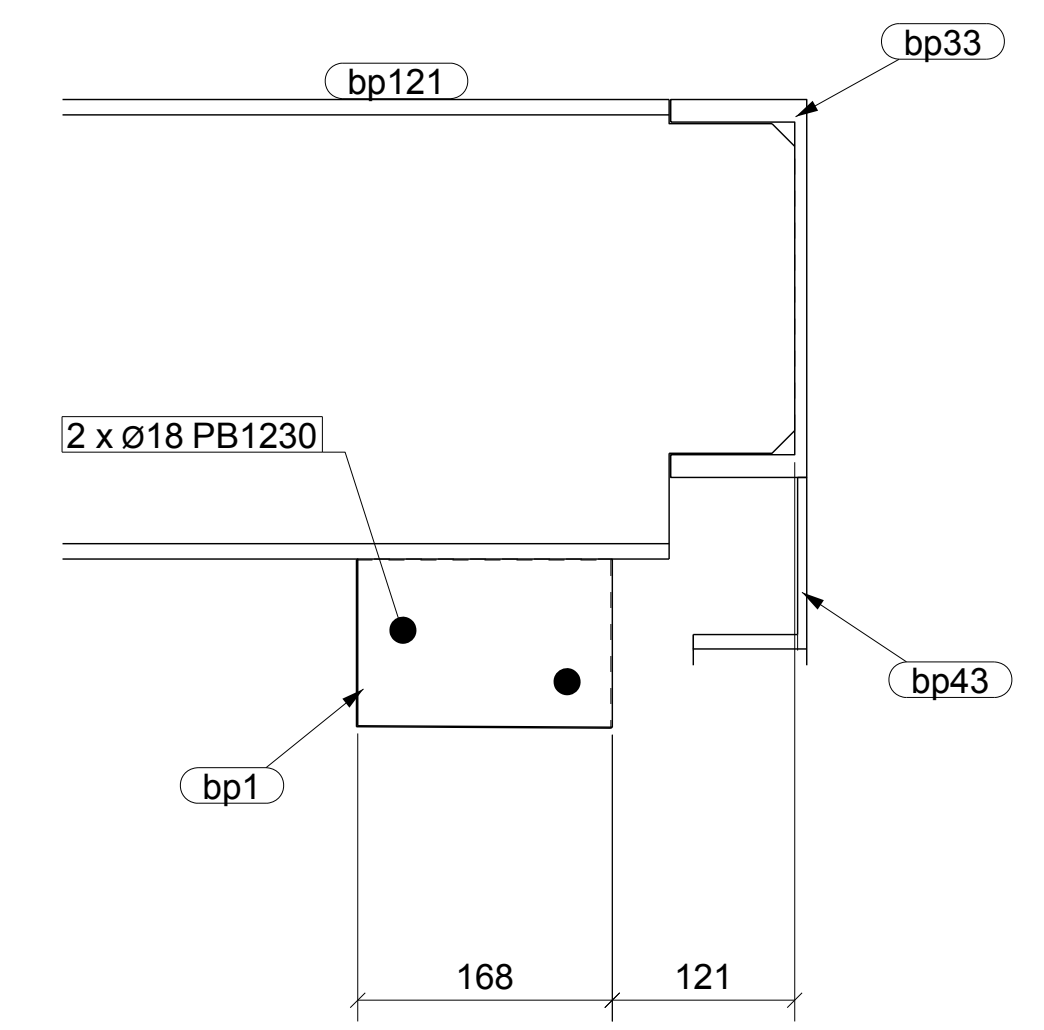
SECTION 4A



DETAIL 5
bp37 bp38



DETAIL 6



SECTION 6A

GENERAL NOTES

1. WELDS 6 CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF FF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THUS ∇ N.S. \odot F.S.
7. ALL HOLES RIZ U.N.O.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
EPP-2TR1-1

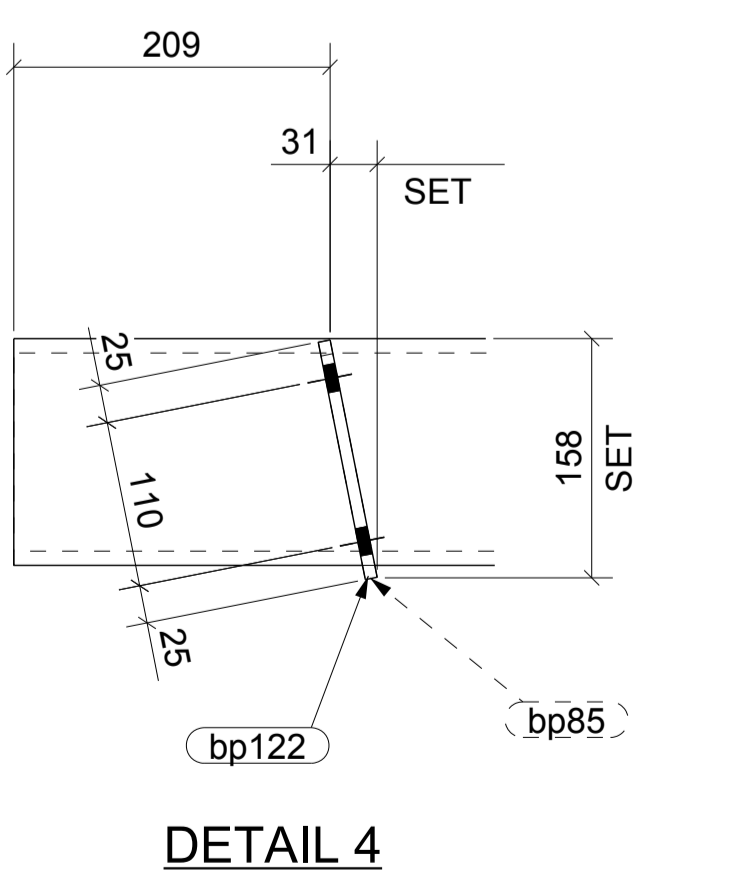
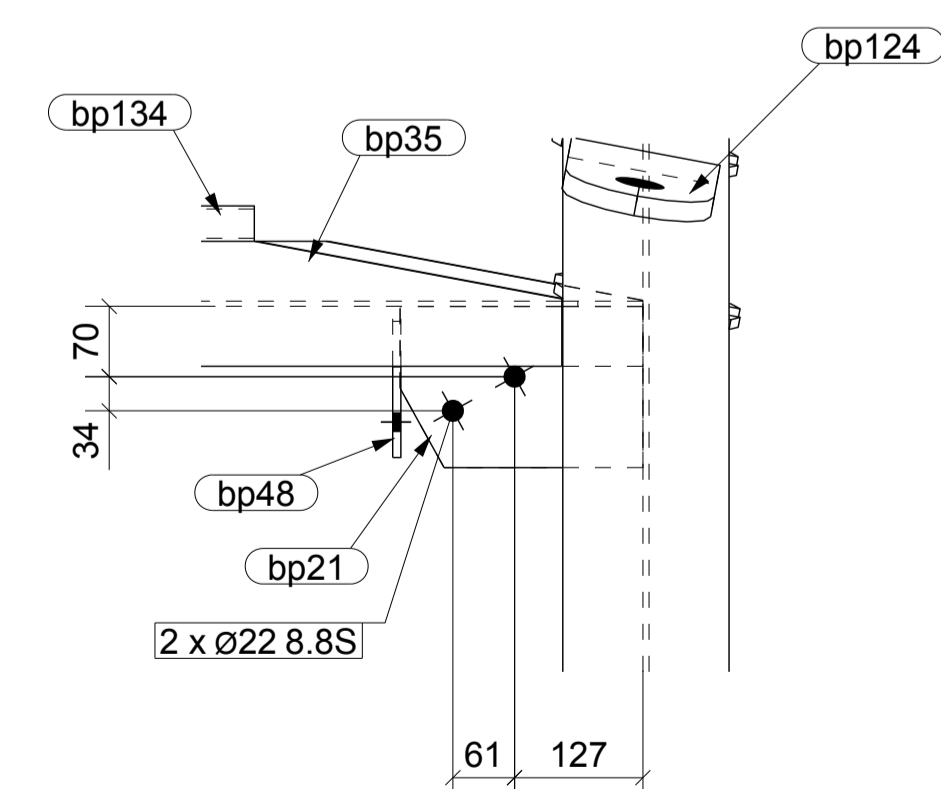
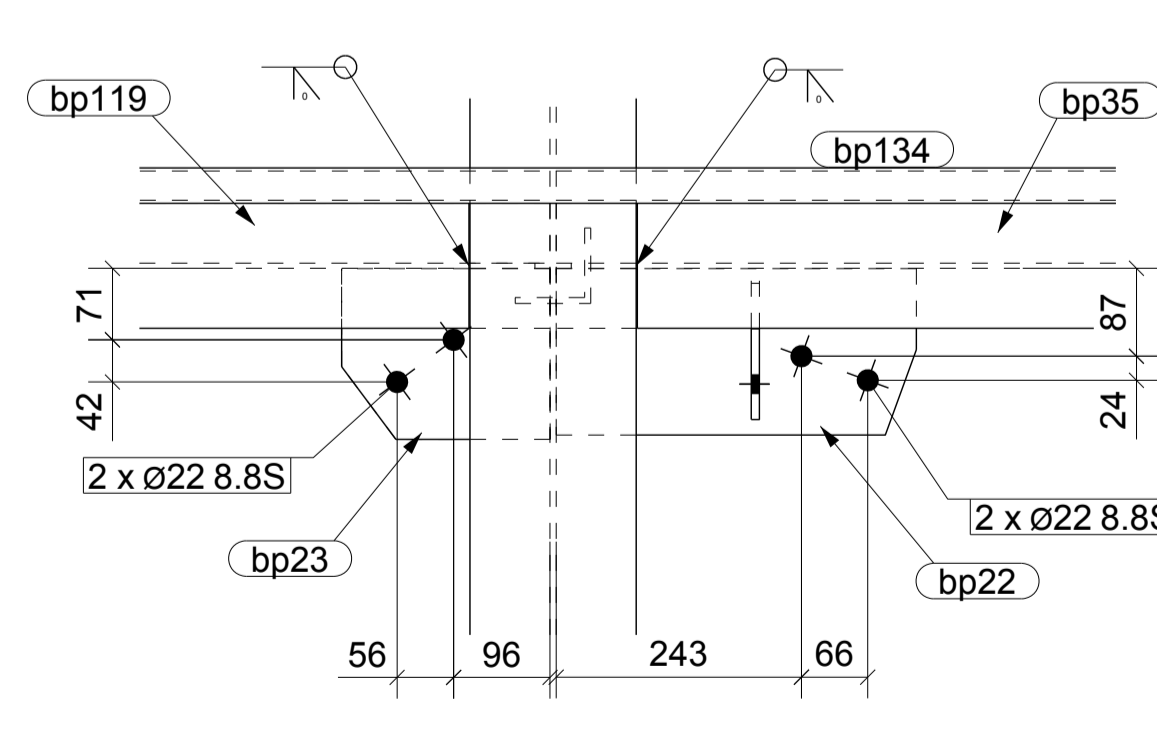
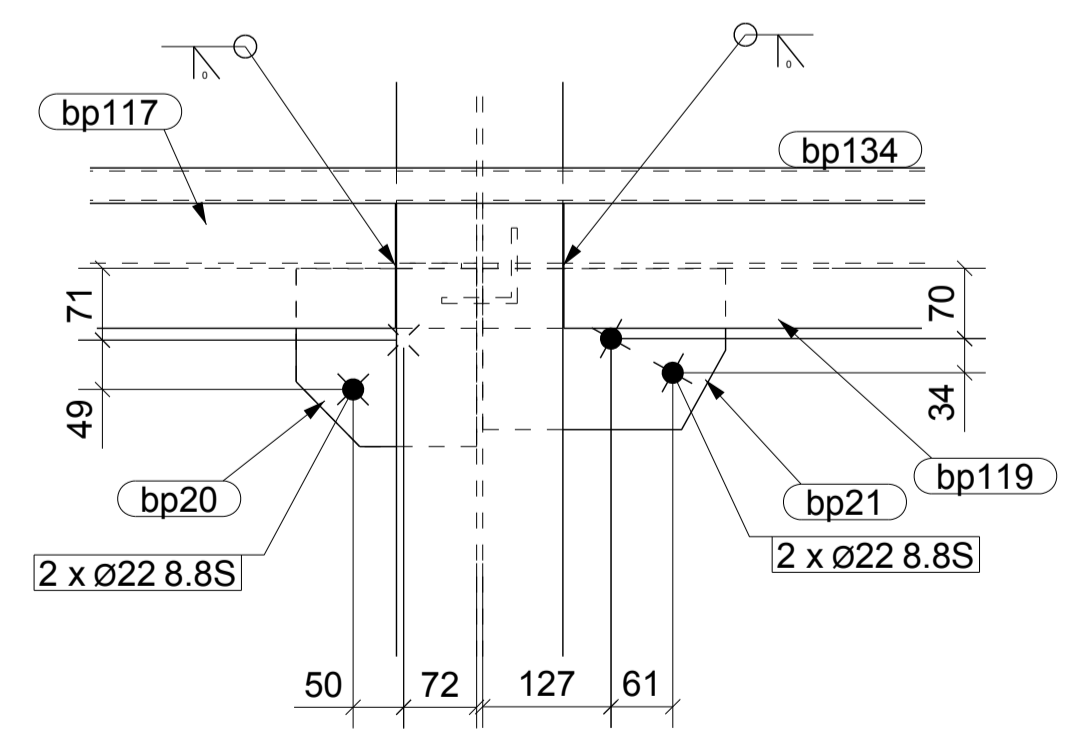
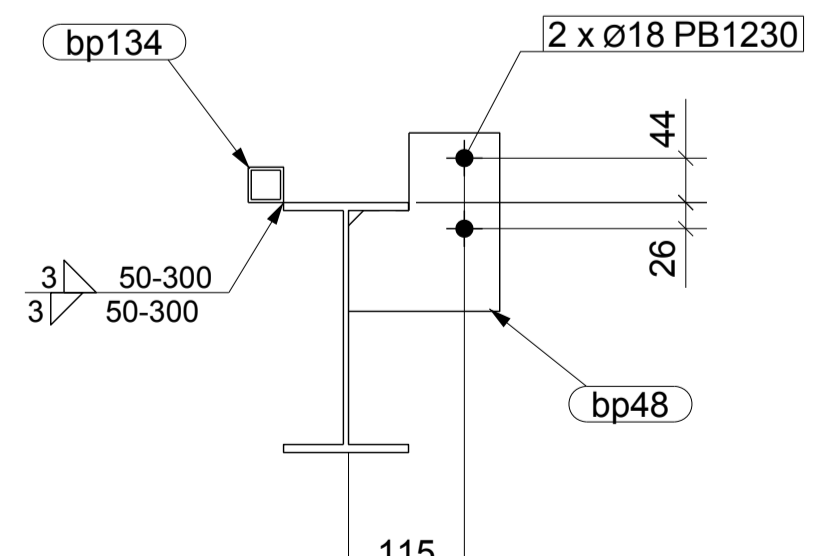
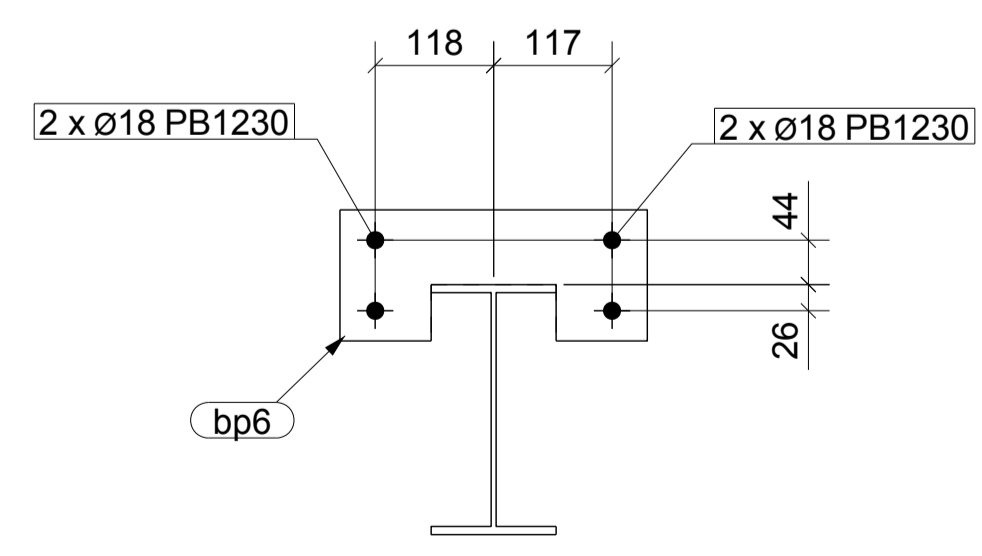
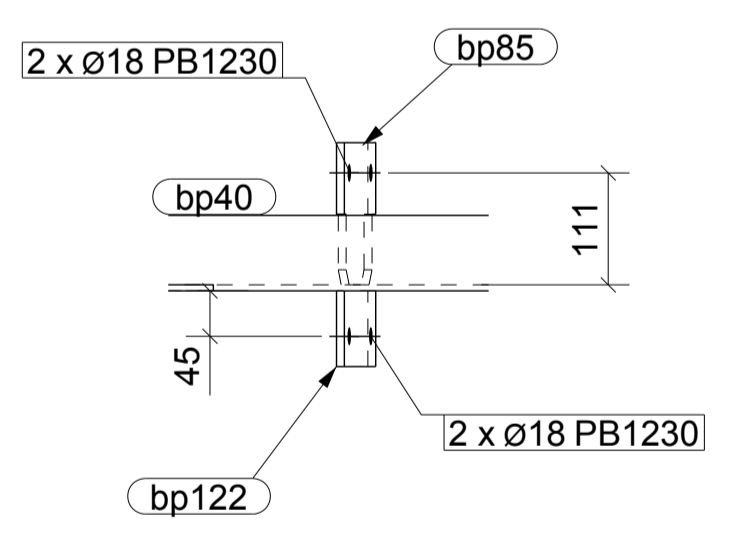
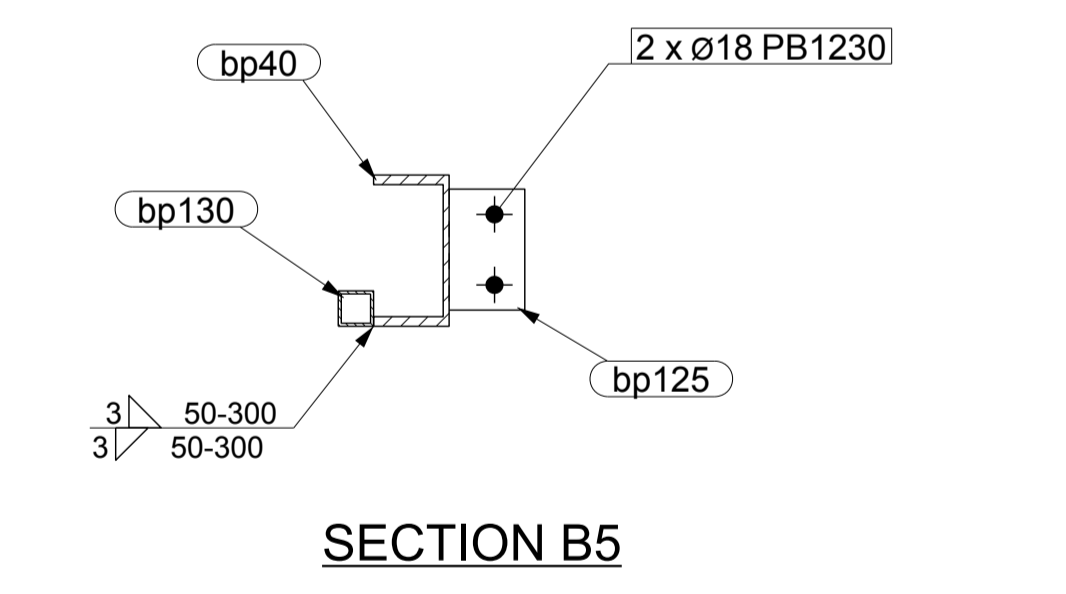
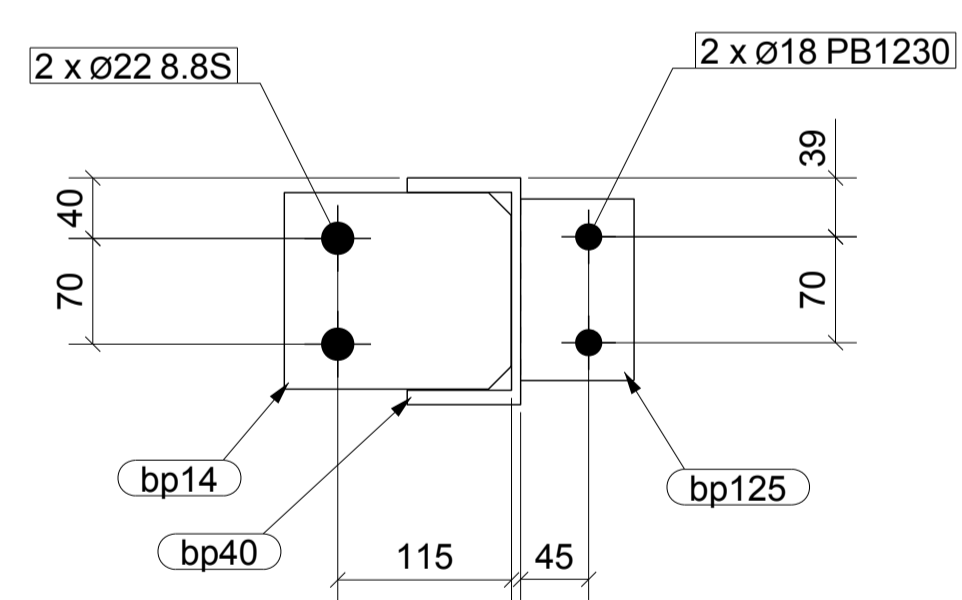
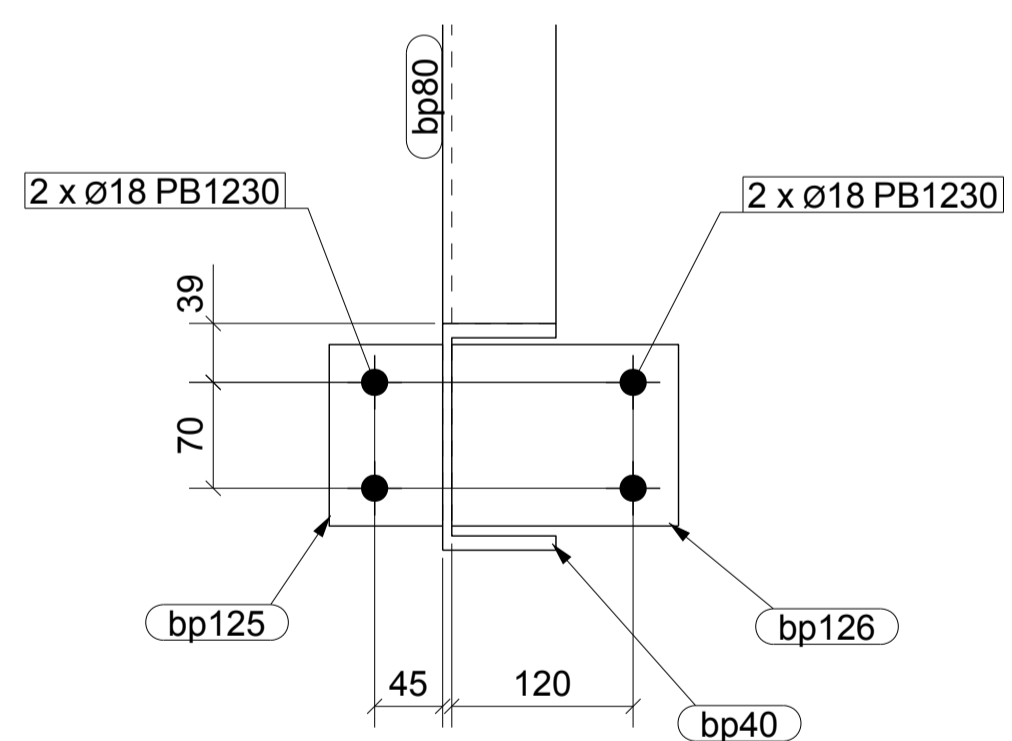
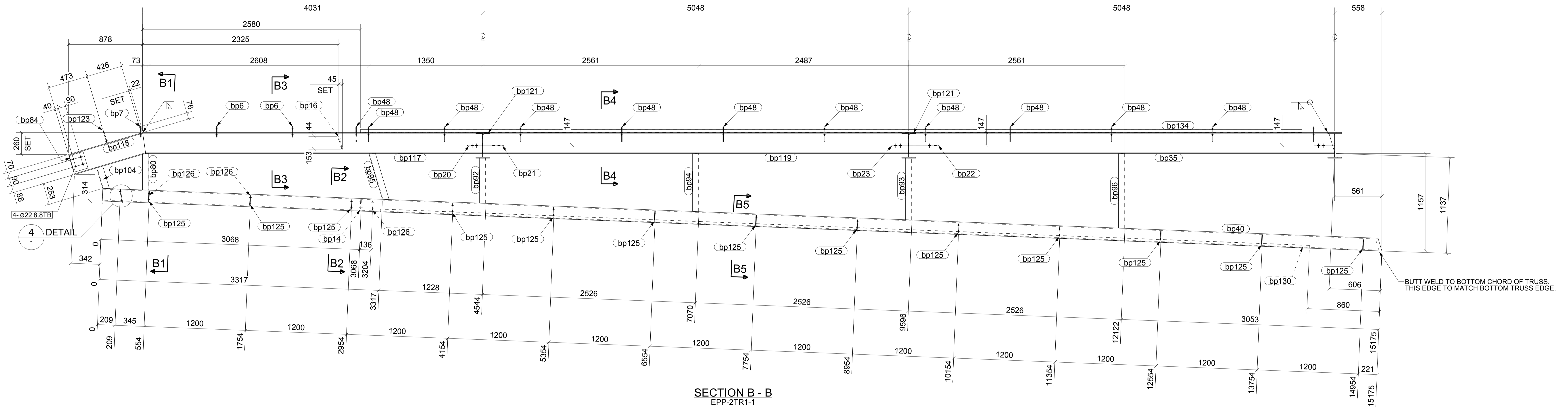
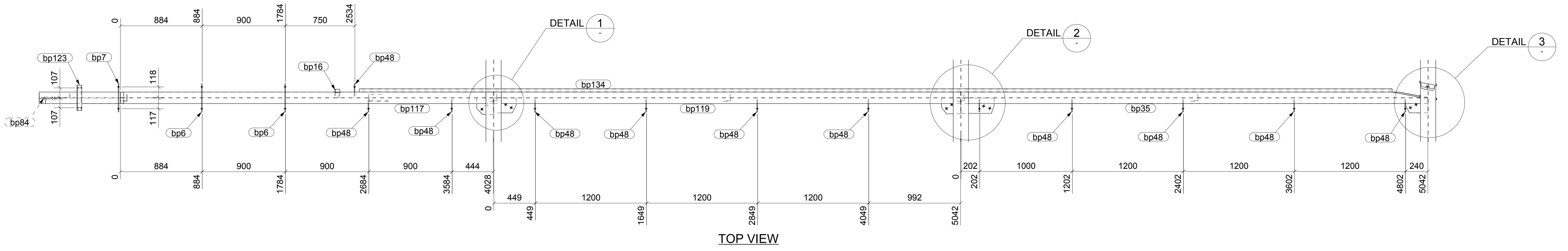
2	0	ISSUED FOR FABRICATION	06.05.2011
1	A	ISSUED FOR APPROVAL	29.04.2011
No.	REV.	DESCRIPTION	DATE

Rock Drafting Pty. Ltd.
ALBERT 49 079 750 722
14/37 - 39 ALBERT RD. MELBOURNE, VIC. AUSTRALIA, 3004
PH. +61 3 9866 1015. FAX. +61 3 9866 1016. MOB. 0411 566 698
JOHN HOLLAND PTY. LTD.
415 Johnston St. Abbotsford, 3067


DESIGN ENGINEER:

**SOUTH MORANG RAIL EXTENSION
EPPING STATION
LINK CANOPY
SECTION A - A**

DRAWN: AM	CHECKED: XTD	DRAWING No.	REV.
DATE: 06.05.2011	SCALE: 1:5	EPP-2TR1-2	



GENERAL NOTES

1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF TF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THIS  N.S. F.S
7. ALL HOLES Ø22 U.N.O.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
EPP-2TR1-1

No	REV.	DESCRIPTION	DATE
2	0	ISSUED FOR FABRICATION	06.05.2011
1	A	ISSUED FOR APPROVAL	29.04.2011

Xteck Drafting Pty. Ltd.

A.B.N. 69 079 793 122
14 / 37 - 39 ALBERT RD. MELBOURNE. VIC. AUSTRALIA. 3004
PH. +61 3 9866 1015 FAX. +61 3 9866 1016 MOB. 0411 566 698
JOHN HOLLAND PTY. LTD.
415 Johnston St. Abbotsford. 3067

DESIGN ENGINEER:

SOUTH MORANG RAIL EXTENTION
EPPING STATION
LINK CANOPY
SECTION B - B

DRAWN: AM

CHECKED: XTD

DATE: 06.05.2011

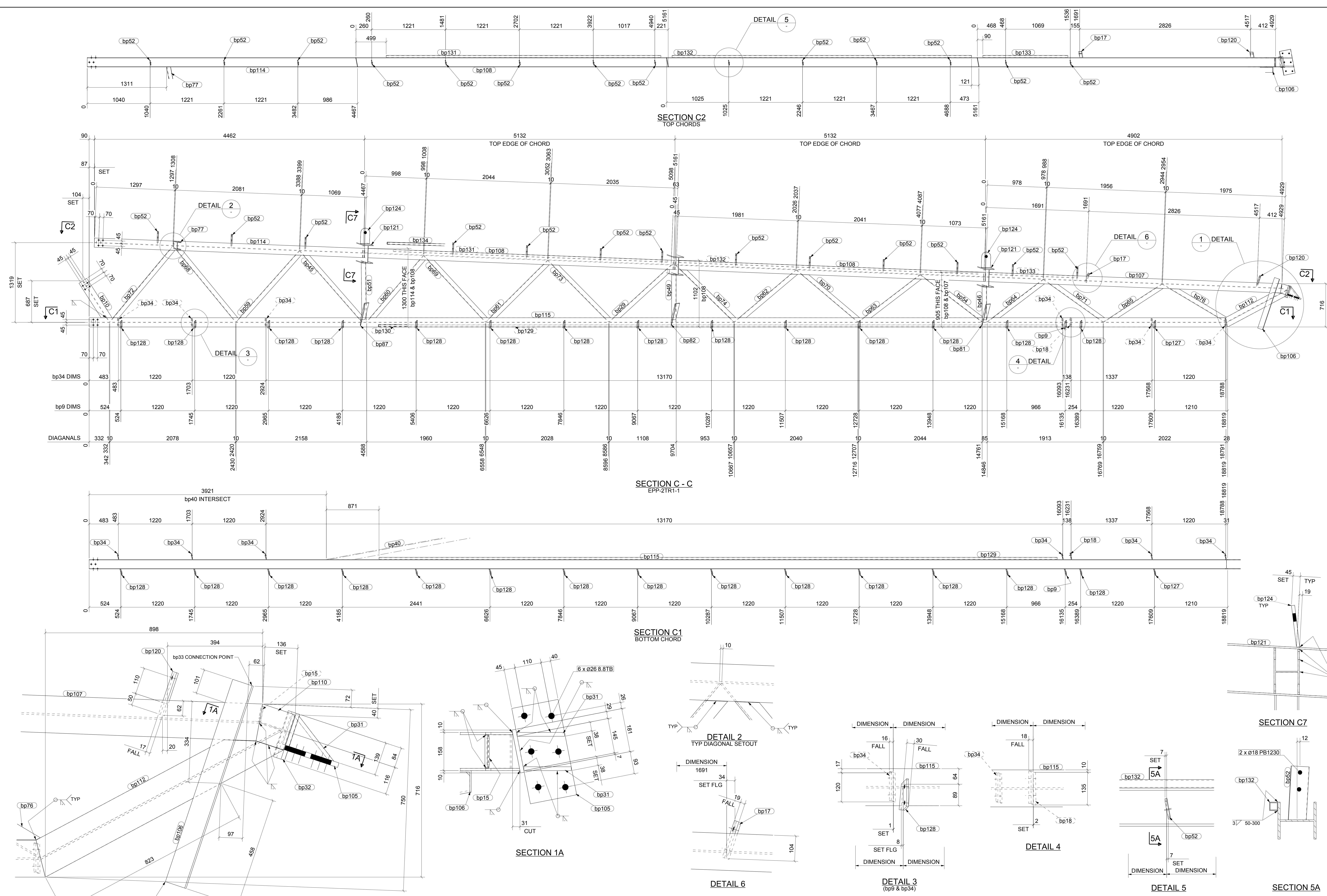
SCALE: 1:5

DRAWING No.

EPP-2TR1-3

REV.

0



GENERAL NOTES

1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF TYP BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THIS TYP N.S. & F.S.
7. ALL HOLES RIZ UN.D.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
3RD ROW DRAWING TITLE

2	0	ISSUED FOR FABRICATION	06.05.2011
1	A	ISSUED FOR APPROVAL	29.04.2011
No.	REV.	DESCRIPTION	DATE

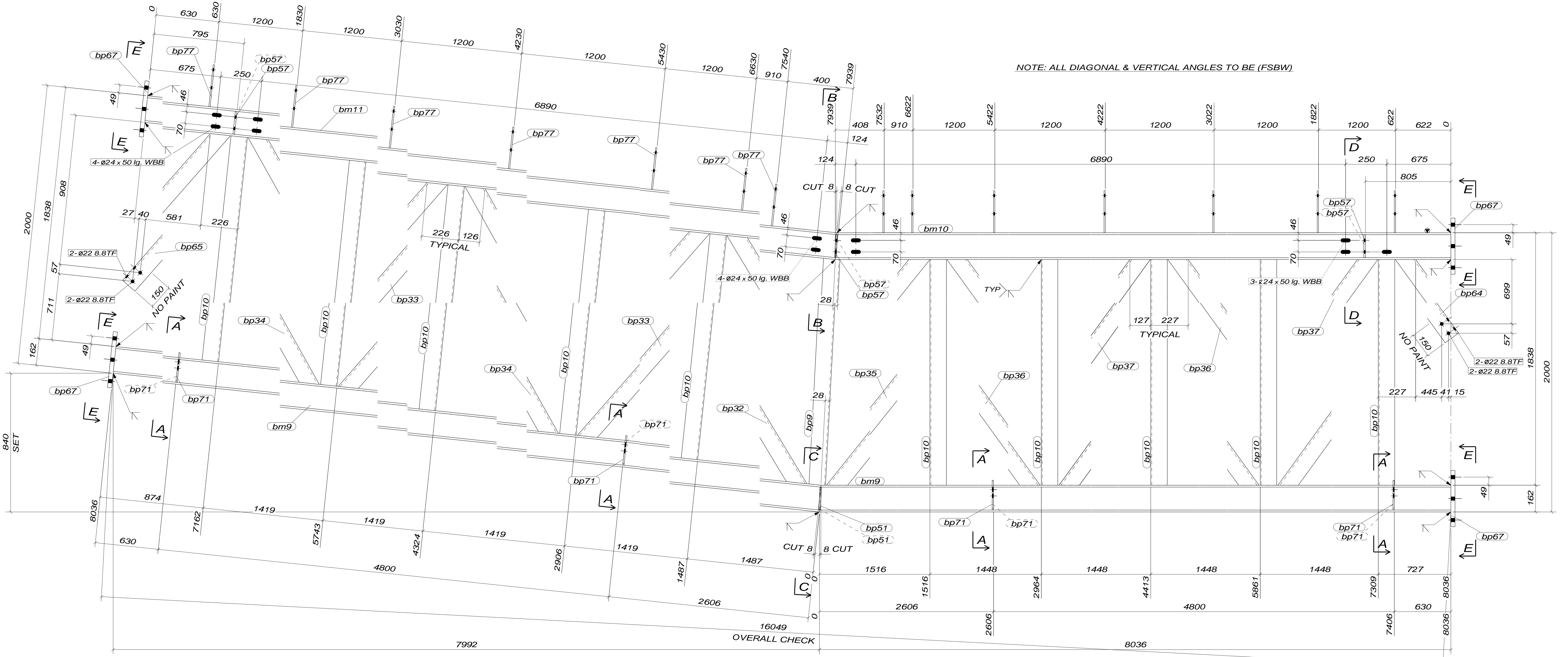
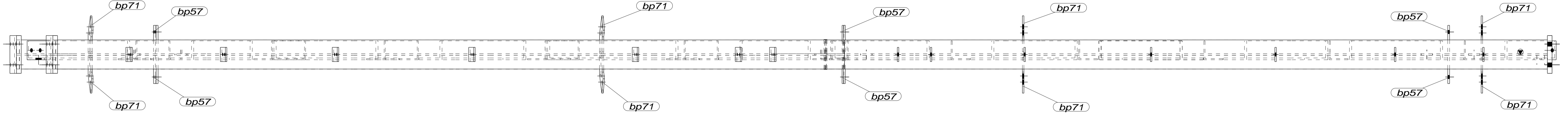
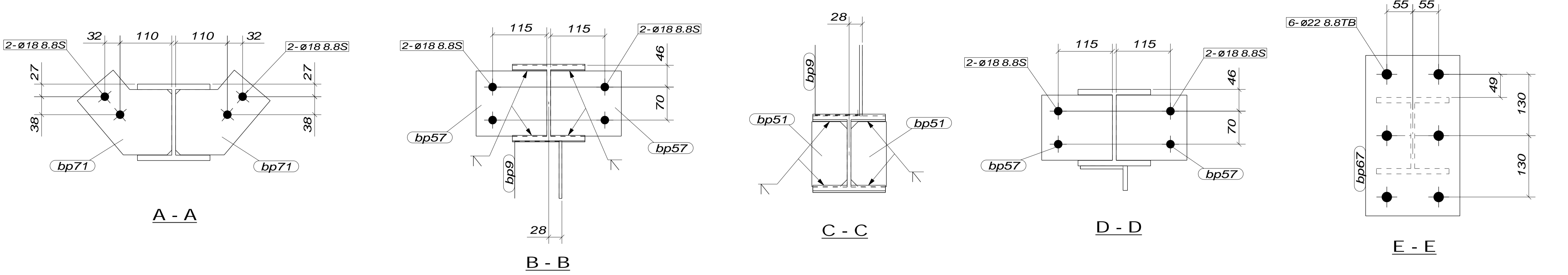
Rock Drafting Pty. Ltd.
 14/37 - 39 ALBERT RD, MELBOURNE, VIC. AUSTRALIA, 3004
 PH. +61 3 9866 1015. FAX. +61 3 9866 1016. MOB. 0411 566 698

JOHN HOLLAND PTY. LTD.
 415 Johnston St. Abbotsford, 3067

SOUTH MORANG RAIL EXTENSION
EPPING STATION
MP-02

DESIGN ENGINEER:	DRAWN: AM	CHECKED: XTD	DRAWING No. REV.
	DATE: 06.05.2011	SCALE: 1:5	EPP-2TR1-4

MATERIAL LIST FOR ONE ASSEMBLY MK				2TR1	1	Ass. Req'd.
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m ²)
bm9	2	UC150*37	8036	300PLUS	298.4	7.3
bm10	1	UC150*37	7939	300PLUS	294.8	7.2
bm11	1	UC150*37	7939	300PLUS	294.8	7.2
bp9	1	EA100*100*6	1682	300PLUS	15.4	0.7
bp10	10	EA100*100*6	1676	300PLUS	15.4	0.7
bp32	1	EA100*100*10	2176	300PLUS	30.9	0.8
bp33	2	EA100*100*10	2123	300PLUS	30.2	0.8
bp34	2	EA100*100*10	2123	300PLUS	30.2	0.8
bp35	1	EA100*100*10	2230	300PLUS	31.7	0.9
bp36	2	EA100*100*10	2142	300PLUS	30.4	0.8
bp37	3	EA100*100*10	2142	300PLUS	30.4	0.8
bp51	2	FLT10*75	138	250	0.8	0.0
bp55	6	FLT10*138	150	250	1.6	0.0
bp64	1	EA100*100*10	1005	300PLUS	14.3	0.4
bp65	1	EA100*100*10	1252	300PLUS	17.8	0.5
bp67	4	FLT25*200	340	250	13.3	0.2
bp71	8	PLT8*162	211	250	1.5	0.1
bp77	14	FLT8*75	255	250	1.2	0.0
TOTAL					1816.5	48.4



1 TRUSS (S) REQUIRED MK 2TR1



GENERAL NOTES
 1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
 2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
 3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
 4. NO PAINT IN WAY OF TF BOLT CONNECTIONS.
 5. THIRD ANGLE PROJECTION UNLESS NOTED.
 6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THUS

PAINT : G.O.Z.P
 PRECAMBER :

No.	DATE	ISSUED FOR APPROVAL	DETAILS	REVISIONS
A	27/07/04	ISSUED FOR APPROVAL		

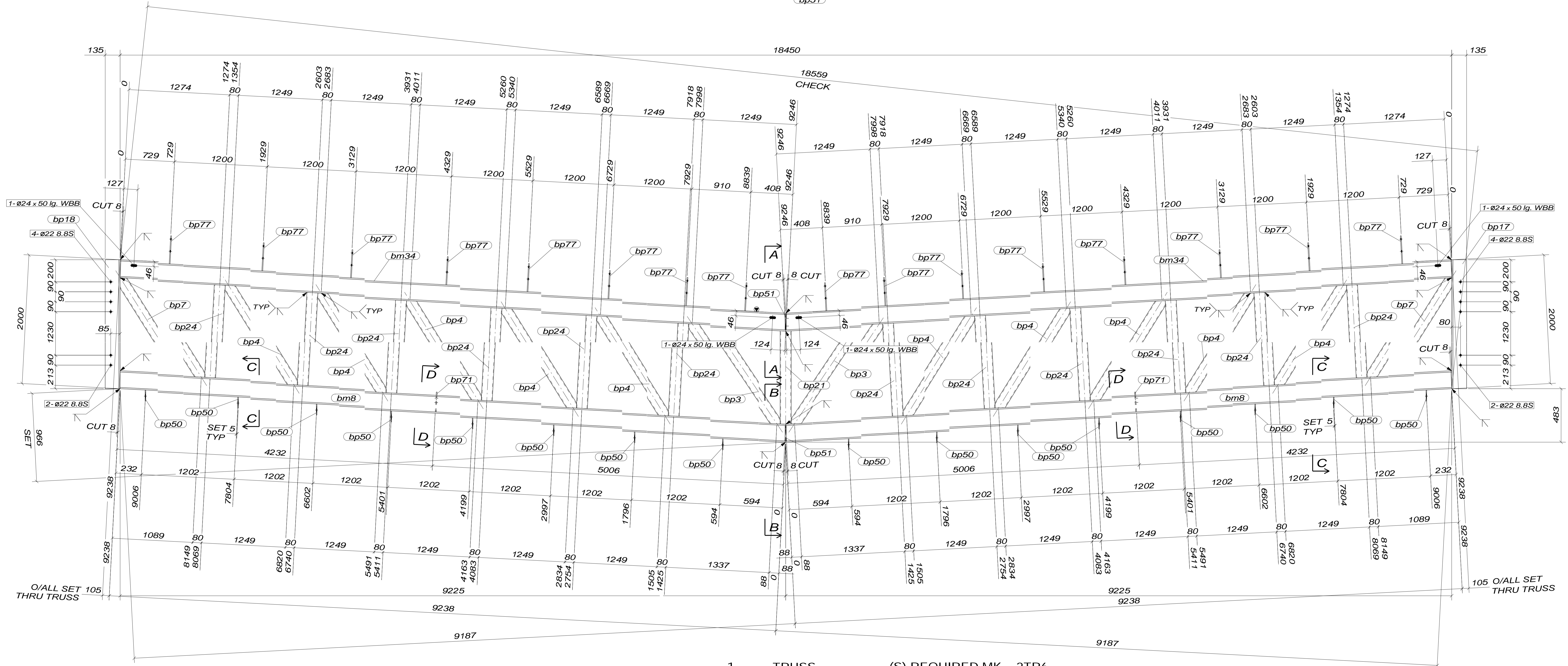
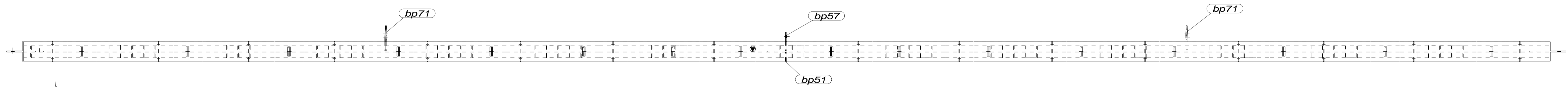
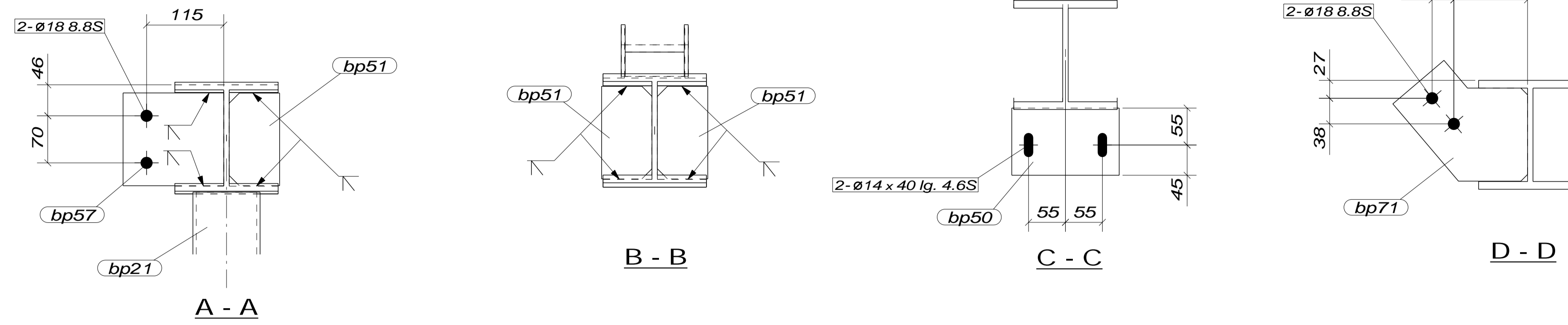
Xtech Drafting Pty. L td.
 A.B.N. 30 105 598 865
 55 PATTERSON ST. MIDDLE PARK. VIC. 3206
 PH (03) 9534 1292 MOBILE 0411 566 698
GREENSBOROUGH STEEL FAB.
 15 DENNIS ST. CAMPBELLFIELD 3061 PH 9305 1677 FAX 9305 2117

KARINGAL ENTERTAINMENT COMPLEX
 330 CRANBOURNE RD. FRANKSTON
FOYER TRUSS

ERECTION PLAN REFERENCE:
 129-MP-20

DRAWN: AM	CHECKED: AM	DRAWING No.	REV.
DATE: 16.07.2004	SCALE: 1/10	129- 2TR1	A

MATERIAL LIST FOR ONE ASSEMBLY MK				2TR6	1	Ass. Req'd.
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m ²)
bm8	2	UC150*37	9246	300PLUS	343.3	8.4
bm34	2	UC150*37	9246	300PLUS	343.3	8.4
bp3	2	SHS100*100*6.0	2131	C350	35.6	0.8
bp4	10	SHS100*100*6.0	2078	C350	34.7	0.8
bp7	2	SHS100*100*6.0	2070	C350	34.6	0.8
bp17	1	UC150*37	2003	300PLUS	74.4	1.8
bp18	1	UC150*37	2003	300PLUS	74.4	1.8
bp21	1	SHS100*100*5.0	1681	C350	23.9	0.7
bp24	12	SHS100*100*5.0	1676	C350	23.8	0.7
bp50	16	FLT6*100	160	250	0.8	0.0
bp51	3	FLT10*75	138	250	0.8	0.0
bp57	1	FLT10*138	150	250	1.6	0.0
bp71	2	PLT8*162	211	250	1.5	0.1
bp77	16	FLT8*75	255	250	1.2	0.0
TOTAL					2357.7	58.1



1 TRUSS (S) REQUIRED MK 2TR6



GENERAL NOTES
 1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
 2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
 3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
 4. NO PAINT IN WAY OF TF BOLT CONNECTIONS.
 5. THIRD ANGLE PROJECTION UNLESS NOTED.
 6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THUS

PAINT : G.O.Z.P
 PRECAMBER :

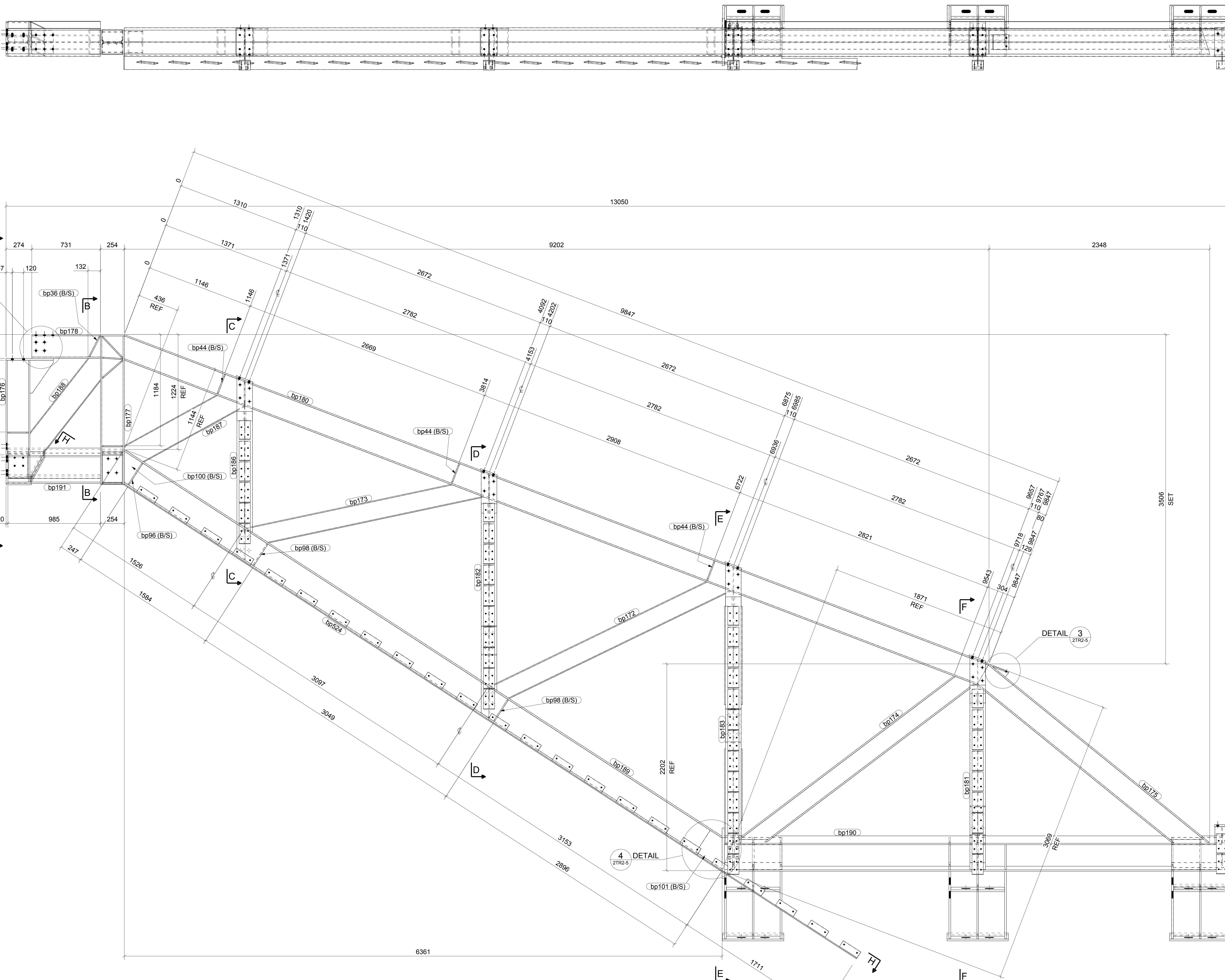
No.	DATE	ISSUED FOR APPROVAL	DETAILS	REVISIONS
A	27/07/04	ISSUED FOR APPROVAL		

Xtech Drafting Pty. L td.
 A.B.N. 30 105 598 805
 55 PATTERSON ST. MIDDLE PARK. VIC. 3206
 PH (03) 9534 1292 MOBILE 0411 566 698
GREENSBOROUGH STEEL FAB.
 15 DENNIS ST. CAMPBELLFIELD 3061 PH 9305 1677 FAX 9305 2117

KARINGAL ENTERTAINMENT COMPLEX
 330 CRANBOURNE RD. FRANKSTON
FOYER TRUSS

ERECTION PLAN REFERENCE:
 129-MP-20

DRAWN: AM	CHECKED: AM	DRAWING No.	REV.
DATE: 23.07.2004	SCALE: 1/15	129- 2TR6	A



MATERIAL LIST FOR ONE ASSEMBLY MKD						2TR2	1 Ass. Req'd.
ITEM	No.	SECTION	GRADE	LENGTH	AREA(m ²)	WEIGHT(kg)	
bp27	1	PLT12*277	250	612	0.36	15.9	
bp29	6	PLT12*105	250	225	0.05	2.2	
bp30	2	PLT12*125	250	313	0.09	3.7	
bp36	2	PLT12*125	250	245	0.07	2.9	
bp37	2	PLT12*125	250	287	0.08	3.3	
bp39	3	PLT20*250	250	652	0.36	25.6	
bp44	8	PLT12*125	250	224	0.06	2.6	
bp51	6	PLT16*110	350	520	0.13	7.2	
bp63	6	PLT20*110	350	572	0.15	9.8	
bp75	3	UB610*125	300PLUS	755	1.58	94.8	
bp93	2	PLT12*120	250	225	0.06	2.5	
bp94	2	PLT12*145	250	306	0.10	4.1	
bp96	2	PLT12*105	250	276	0.07	2.7	
bp97	4	PLT12*135	250	321	0.10	4.1	
bp98	4	PLT12*135	250	276	0.08	3.5	
bp99	1	PLT12*210	250	303	0.14	6.0	
bp100	2	PLT12*237	250	277	0.09	3.8	
bp101	2	PLT12*277	250	329	0.15	6.3	
bp102	1	PLT12*277	250	612	0.36	15.9	
bp104	6	PLT20*134	250	276	0.09	5.8	
bp114	6	PLT16*110	350	215	0.06	2.9	
bp116	1	PLT16*250	350	350	0.12	6.4	
bp122	2	PLT16*277	350	612	0.37	21.3	
bp123	2	PLT16*165	350	277	0.11	5.0	
bp124	4	PLT16*145	250	276	0.09	5.0	
bp125	8	FLT16*130	250	276	0.08	4.5	
bp126	2	PLT16*145	250	276	0.09	5.0	
bp134	4	M20_NUT	8.8S	18	0.00	0.2	
bp154	2	PLT12*120	250	235	0.06	2.6	
bp156	1	PLT12*276	250	346	0.16	6.7	
bp157	1	PLT12*330	250	764	0.53	23.7	
bp158	1	PLT12*330	250	1008	0.67	30.0	
bp159	2	PLT12*330	250	1048	0.72	32.6	
bp167	1	PLT12*276	250	346	0.16	6.7	
bp168	1	PLT12*276	250	394	0.18	7.9	
bp169	1	PLT12*202	250	261	0.12	5.0	
bp172	1	UB200*30	300PLUS	2748	2.53	82.4	
bp173	1	UB200*30	300PLUS	2552	2.35	76.5	
bp174	1	UC200*60	300PLUS	3062	3.74	183.2	
bp175	1	UC250*73	300PLUS	3023	4.47	221.1	
bp176	1	UC250*73	300PLUS	1007	1.49	73.7	
bp177	1	UC250*73	300PLUS	1580	2.34	115.6	
bp178	1	UC250*73	300PLUS	731	1.08	53.5	
bp180	1	UC250*73	300PLUS	9847	14.57	720.4	
bp181	1	UB310*46	300PLUS	1684	2.11	78.4	
bp182	1	UB310*46	300PLUS	2070	2.59	96.4	
bp183	1	UB310*46	300PLUS	2706	3.38	126.0	
bp184	1	UB310*46	300PLUS	303	0.38	14.1	
bp185	3	UB310*46	300PLUS	335	0.42	15.6	
bp186	1	UB310*46	300PLUS	1378	1.72	64.2	
bp187	1	UB250*31	300PLUS	1339	1.42	42.1	
bp188	1	UB250*31	300PLUS	1245	1.32	39.2	
bp189	1	UC310*97	300PLUS	7776	13.92	757.0	
bp190	1	UC310*97	300PLUS	5405	9.67	526.1	
bp191	1	UC310*97	300PLUS	985	1.76	95.9	
bp192	1	WB310*72	300PLUS	178	0.22	8.3	
bp196	12	FLT10*75	250	283	0.05	1.7	
bp199	1	FLT10*180	250	160	0.06	2.3	
bp209	1	PLT10*56	250	171	0.01	0.4	
bp211	1	PLT20*160	250	310	0.12	7.8	
bp212	1	PLT20*270	350Z	270	0.17	11.4	
bp213	1	PLT20*250	350Z	504	0.28	19.8	
bp214	1	PLT20*300	350Z	308	0.21	14.5	
bp216	1	PLT16*167	250	463	0.16	8.7	
bp217	1	PLT16*167	250	494	0.17	9.3	
bp218	2	PLT16*167	250	455	0.16	8.5	
bp219	4	PLT16*190	250	295	0.13	7.0	
bp220	1	PLT16*254	250	254	0.15	8.1	
bp221	1	PLT25*400	250	452	0.40	35.5	
bp242	1	FLT8*100	250	90	0.02	0.4	
bp244	21	FLT8*100	250	69	0.01	0.3	
bp245	13	FLT8*100	250	80	0.01	0.4	
bp251	2	FLT8*100	250	88	0.02	0.4	
bp253	1	FLT8*100	250	131	0.02	0.6	
bp254	1	FLT8*100	250	109	0.02	0.5	
bp264	1	FLT8*100	250	146	0.03	0.7	
bp267	40	PLT10*120	250	220	0.06	2.1	
bp277	1	PLT12*276	250	394	0.18	7.9	
bp455	23	FLT8*75	250	224	0.04	1.1	
bp524	1	FLT10*150	300PLUS	9288	2.92	107.0	
TOTAL						84.57	4034.8

1 TRUSS (S) REQUIRED MK 2TR2

All flange to flange welds to be - FSBW
 All flange to stiffener welds to be - FSBW
 All member web welds to be:-
 6CFW both sides for tw < 10mm
 8CFW both sides for tw < 15mm
 8CFW both sides for tw < 20mm
 All diagonal stiffeners to be FSBW to flanges
 All stiffeners to be FSBW to 250UC's, 310UC's and 610UB's flanges
 All other stiffener to flange welds to be 8CFW both sides
 All web doubler plates to be 8CFW all round

GENERAL NOTES

- WELDS 6 CONT. FILLET (CAT. SP) UNLESS NOTED.
- ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
- ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
- NO PAINT IN WAY OF FF BOLT CONNECTIONS.
- THIRD ANGLE PROJECTION UNLESS NOTED.
- ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THIS ∇ N.S. \odot F.S.
- ALL HOLES R02 U.N.D.

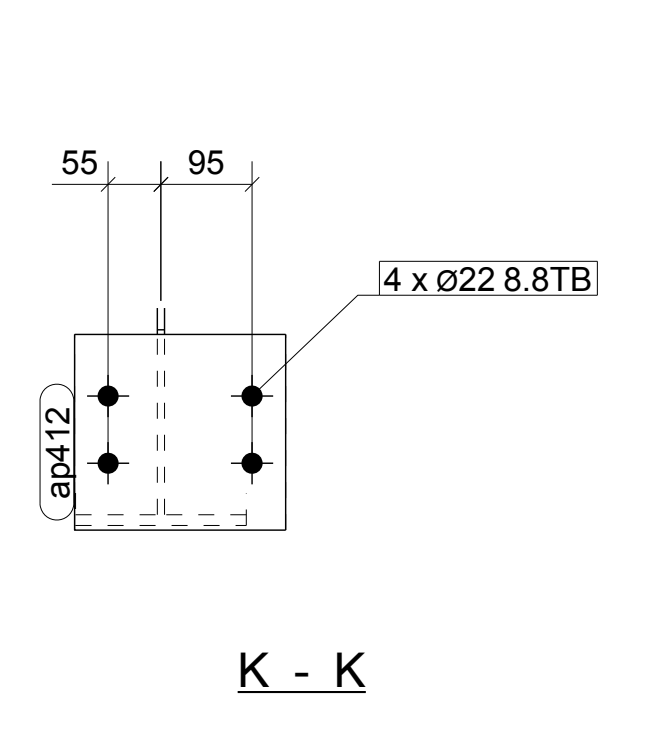
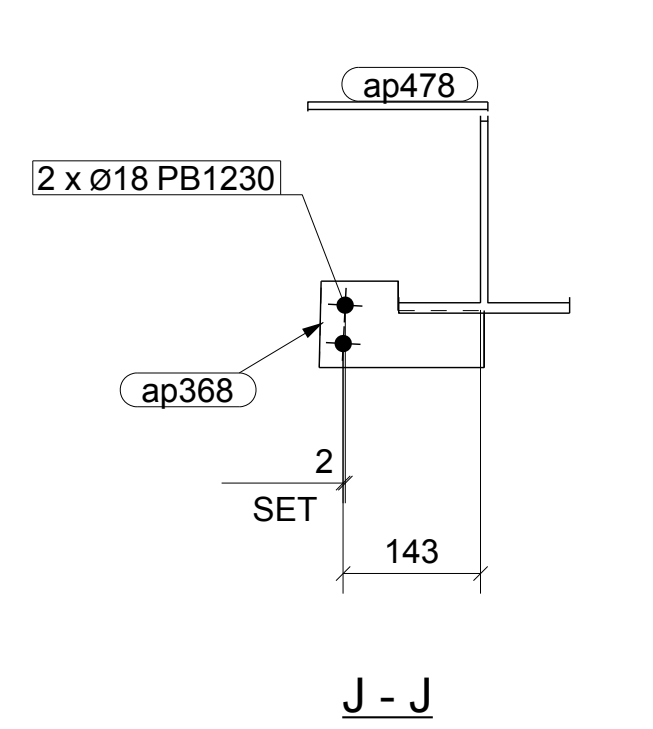
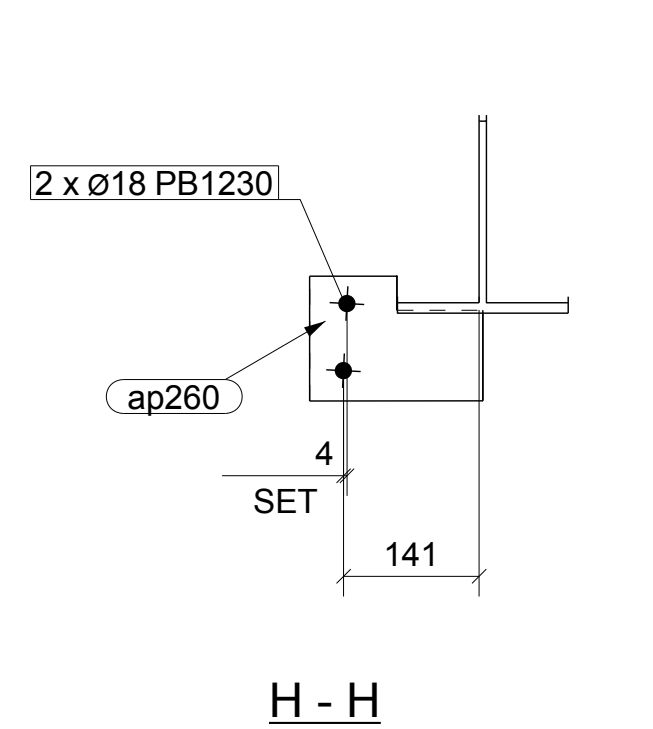
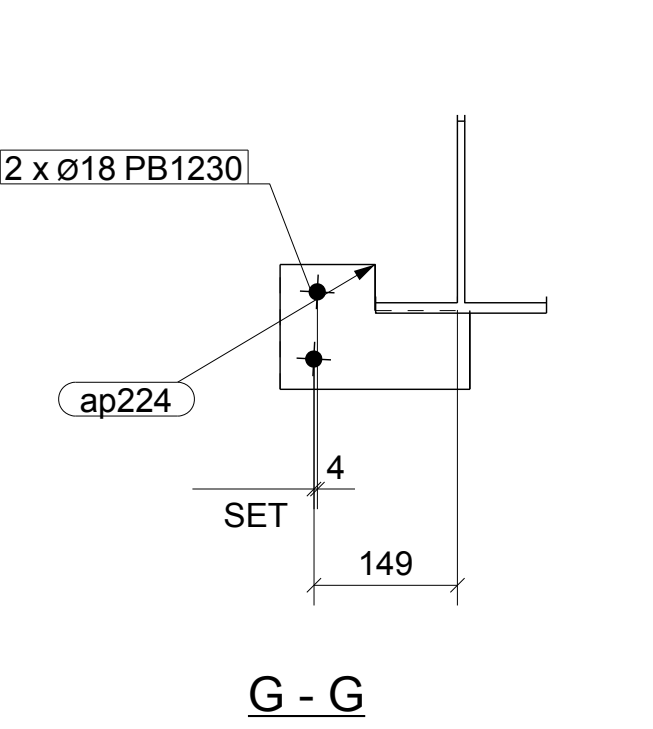
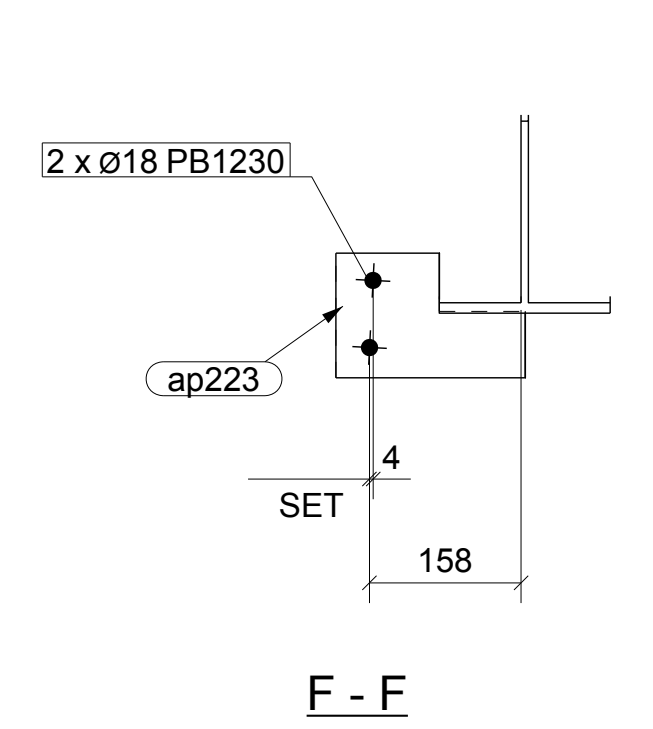
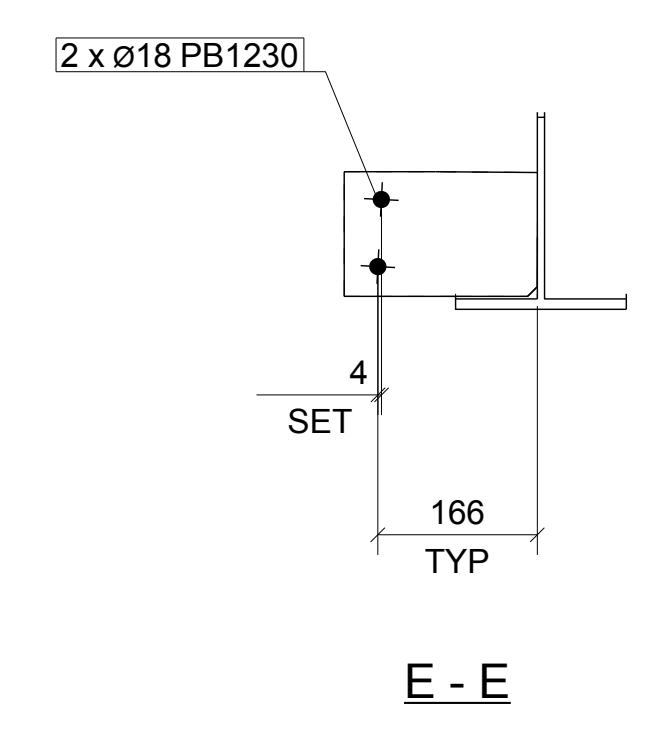
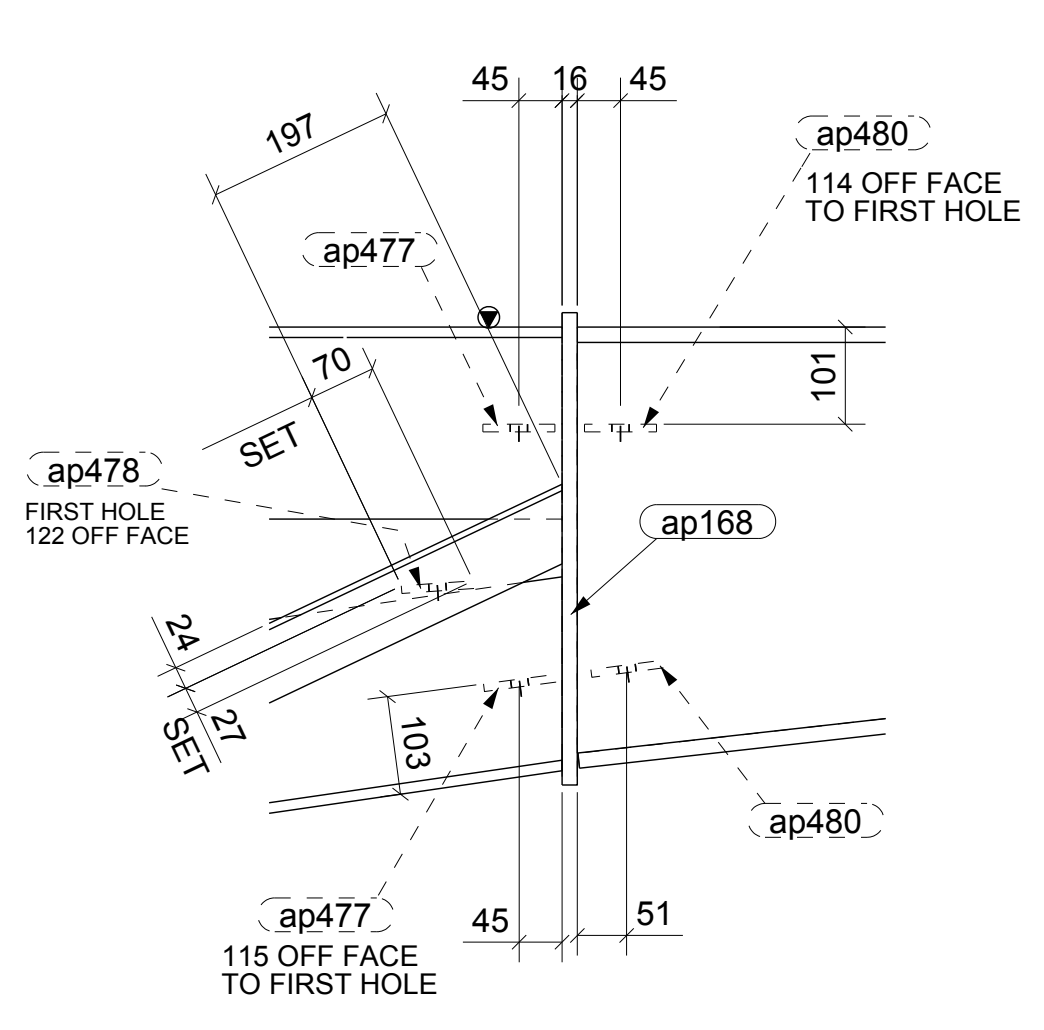
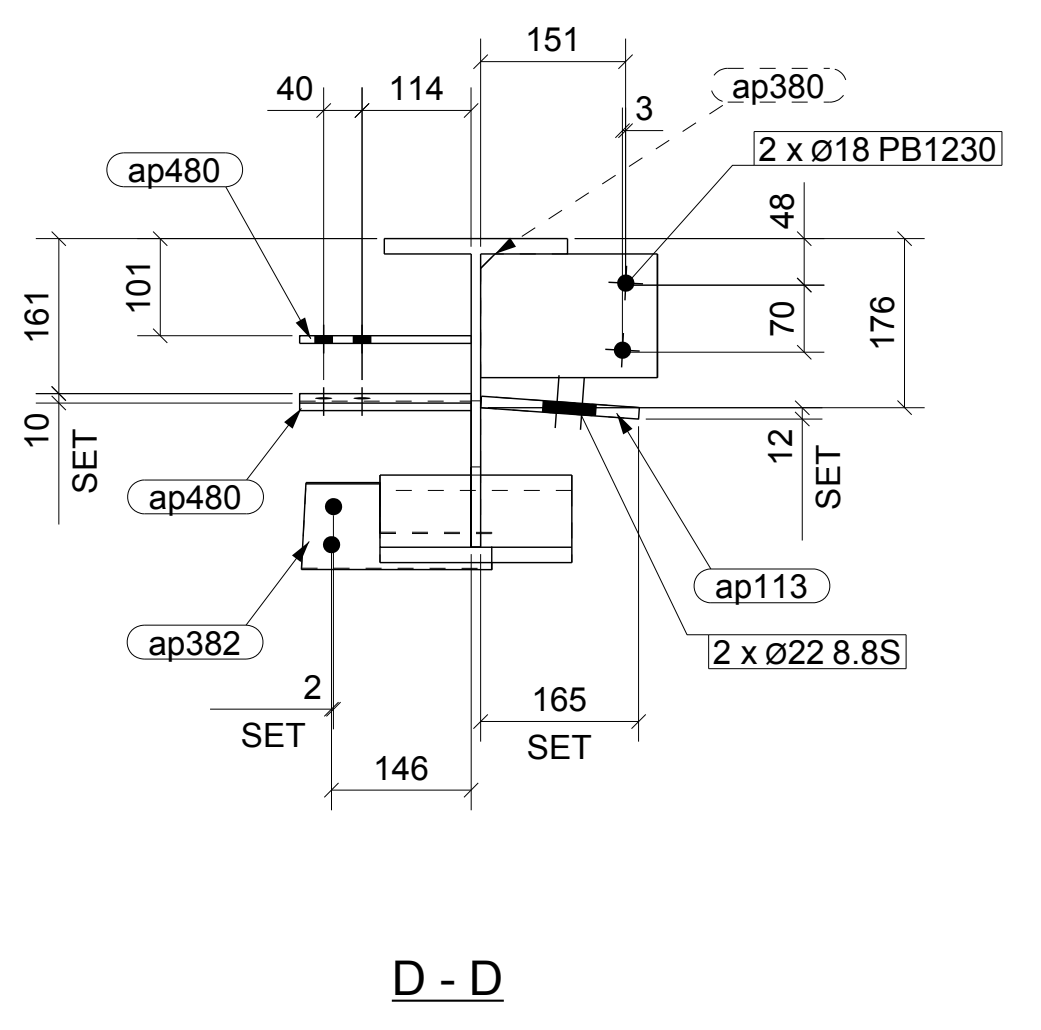
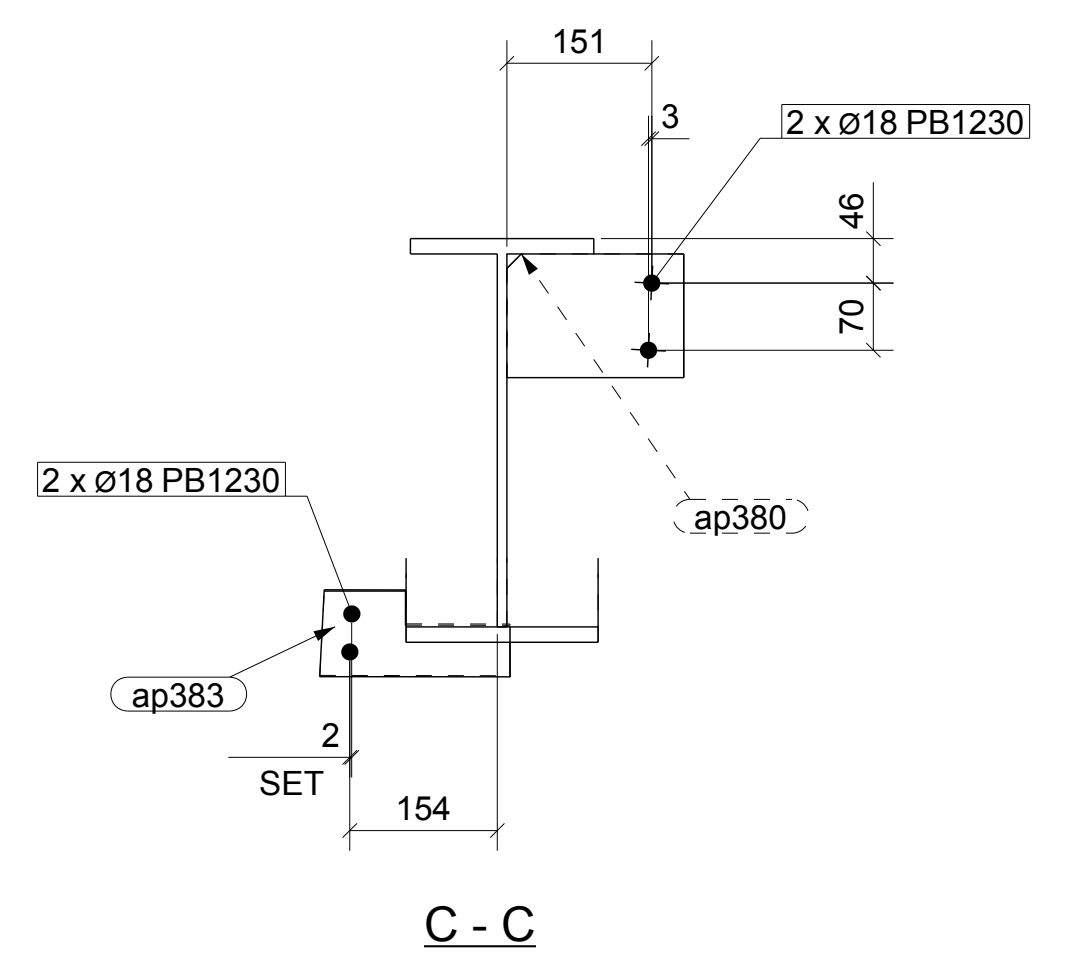
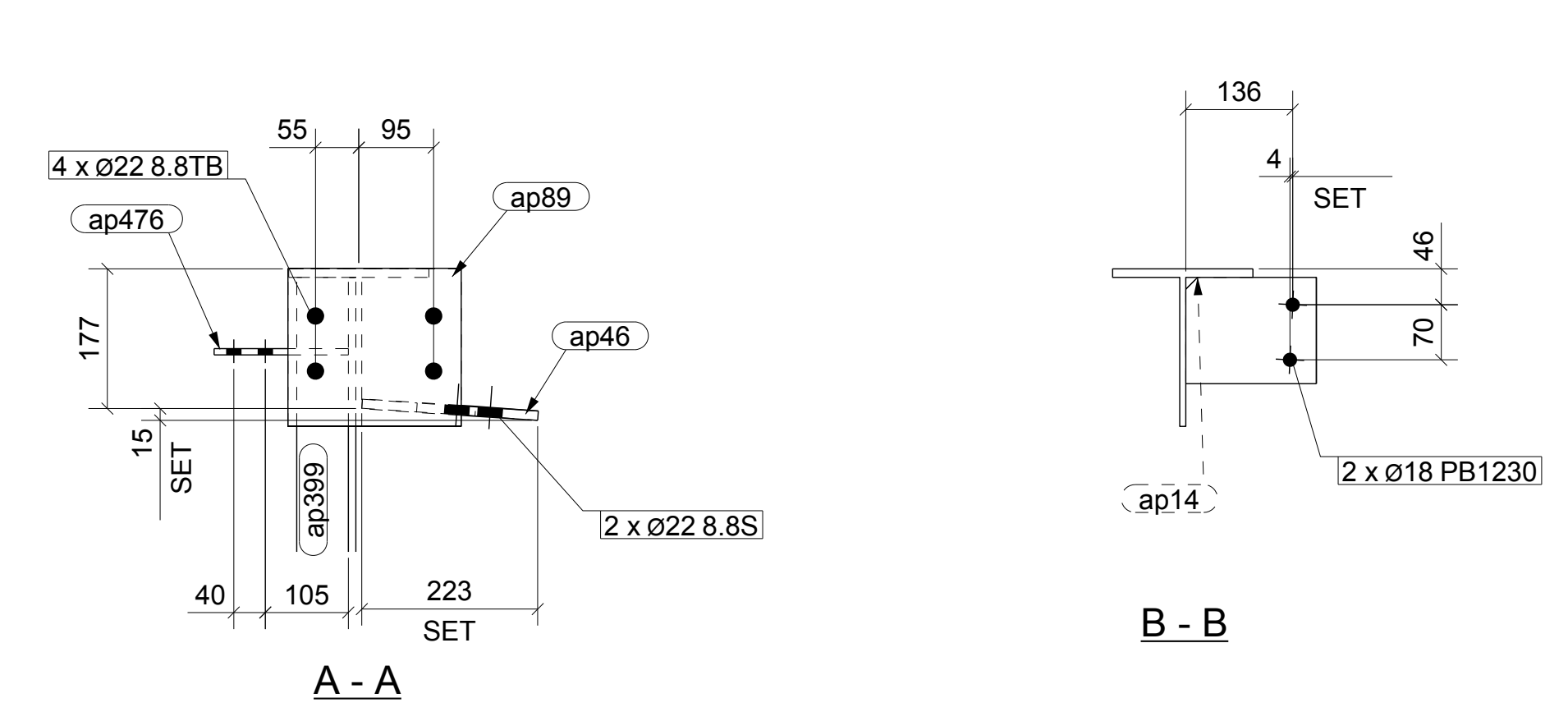
PAINT : G.O.Z.P
 PRECAMBER :

ERECTION PLAN REFERENCE:
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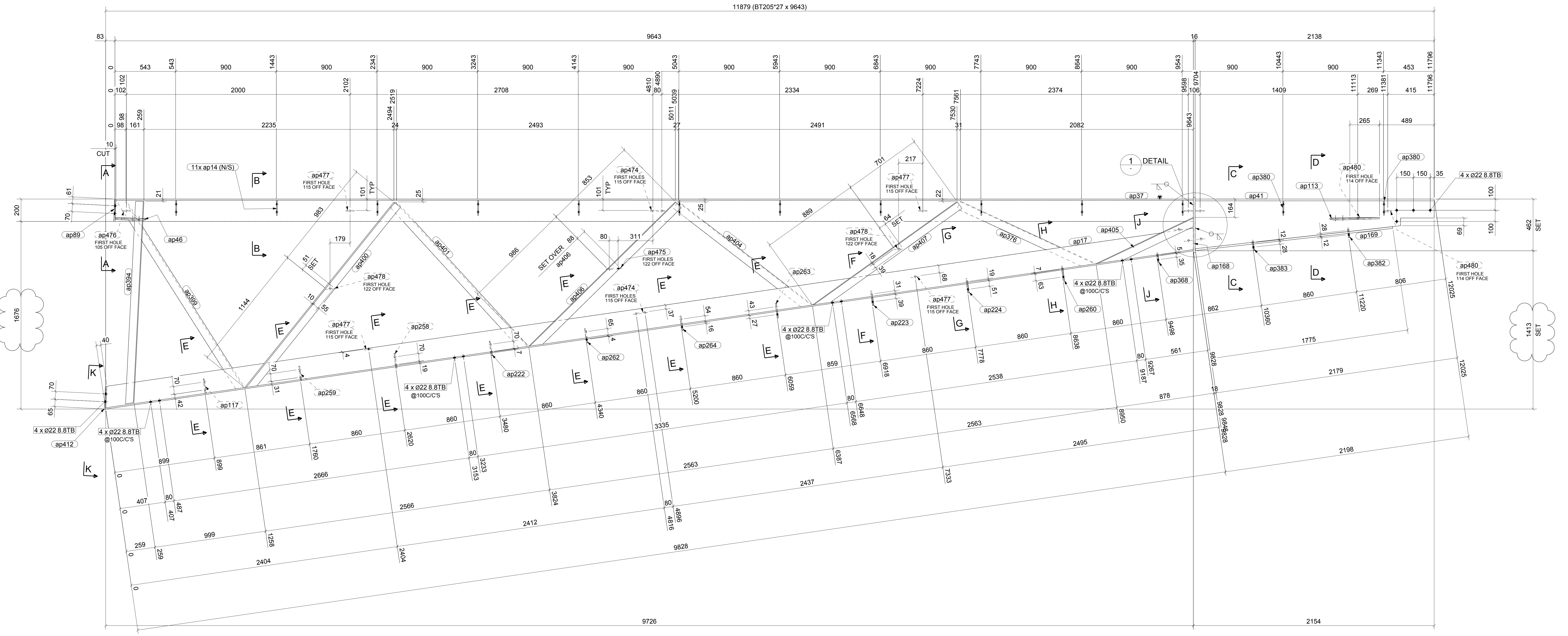
2	0	ISSUED FOR FABRICATION	24.02.11
1	A	ISSUED FOR APPROVAL	09.02.11
No.	REV.	DESCRIPTION	DATE

Rock Drafting Pty. Ltd.
 14/37 - 39 ALBERT RD. MELBOURNE, VIC. AUSTRALIA, 3004
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JOHN HOLLAND PTY. LTD.
 415 Johnston St. Abbotsford, 3067

SOUTH MORANG RAIL EXTENTION THOMASTOWN STATION WEST ABUTMENT TRUSS			
DESIGN ENGINEER:	DRAWN: AM	CHECKED: XTD	DRAWING No. SMR-2TR2-1
DATE: 24.02.11	SCALE: 1:10		REV. 0



MATERIAL LIST FOR ONE ASSEMBLY MKD						1TR5	1 Ass. Req'd.	
ITEM	No.	SECTION	GRADE	LENGTH	AREA(m ²)	WEIGHT(kg)		
ap14	11	PLT8*135	250	166	0.05	15.4		
ap17	1	BT205*27	300PLUS	9657	7.29	266.2		
ap37	1	BT205*27	300PLUS	9643	7.14	260.4		
ap41	1	UB460*82	300PLUS	2138	3.53	176.2		
ap46	1	PLT12*105	250	307	0.07	2.7		
ap89	1	PLT12*200	250	220	0.10	4.1		
ap113	1	FLT12*100	250	438	0.07	3.0		
ap117	1	FLT10*130	250	201	0.06	2.0		
ap168	1	FLT16*200	250	492	0.22	12.4		
ap169	1	FLT16*200	250	1776	0.77	44.6		
ap222	1	FLT10*130	250	201	0.05	1.8		
ap223	1	FLT10*130	250	197	0.05	1.6		
ap224	1	FLT10*130	250	198	0.05	1.6		
ap258	1	FLT10*130	250	201	0.05	1.9		
ap259	1	FLT10*130	250	201	0.06	2.0		
ap260	1	FLT10*130	250	180	0.05	1.6		
ap262	1	PLT10*130	250	201	0.05	1.7		
ap263	1	FLT10*130	250	201	0.05	1.6		
ap264	1	FLT10*130	250	201	0.05	1.7		
ap368	1	FLT10*90	250	172	0.03	1.0		
ap376	1	EA75*75*6	300PLUS	1335	0.39	9.1		
ap380	2	PLT8*129	250	184	0.05	3.0		
ap382	1	FLT10*90	250	198	0.03	0.9		
ap383	1	FLT10*90	250	198	0.03	1.1		
ap394	1	EA75*75*6	300PLUS	1814	0.53	12.3		
ap399	1	EA75*75*10	300PLUS	2029	0.59	21.3		
ap400	1	EA75*75*10	300PLUS	2128	0.62	22.4		
ap401	1	EA75*75*10	300PLUS	1749	0.51	18.4		
ap404	1	EA75*75*6	300PLUS	1512	0.44	10.3		
ap405	1	EA75*75*6	300PLUS	965	0.28	6.6		
ap406	1	EA75*75*6	300PLUS	1840	0.53	12.5		
ap407	1	EA75*75*6	300PLUS	1590	0.46	10.8		
ap412	1	PLT12*204	250	220	0.10	4.2		
ap474	2	FLT8*130	250	180	0.05	2.9		
ap475	1	FLT8*130	250	187	0.05	1.5		
ap476	1	FLT8*75	250	170	0.03	0.8		
ap477	6	FLT8*75	250	180	0.03	5.1		
ap478	3	FLT8*75	250	187	0.03	2.6		
ap480	4	FLT8*75	250	179	0.03	3.4		
						TOTAL	24.56	952.7



1 TRUSS (S) REQUIRED MK 1TR5

GENERAL NOTES
 1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
 2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
 3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
 4. NO PAINT IN WAY OF T-BOLT CONNECTIONS.
 5. THIRD ANGLE PROJECTION UNLESS NOTED.
 6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THIS WAY (N/S) F/S
 7. ALL HOLES Ø22 UNL.D.

PAINT : 0
 PRECAMBER :

ERECTION PLAN REFERENCE:
 TH0-MP-10

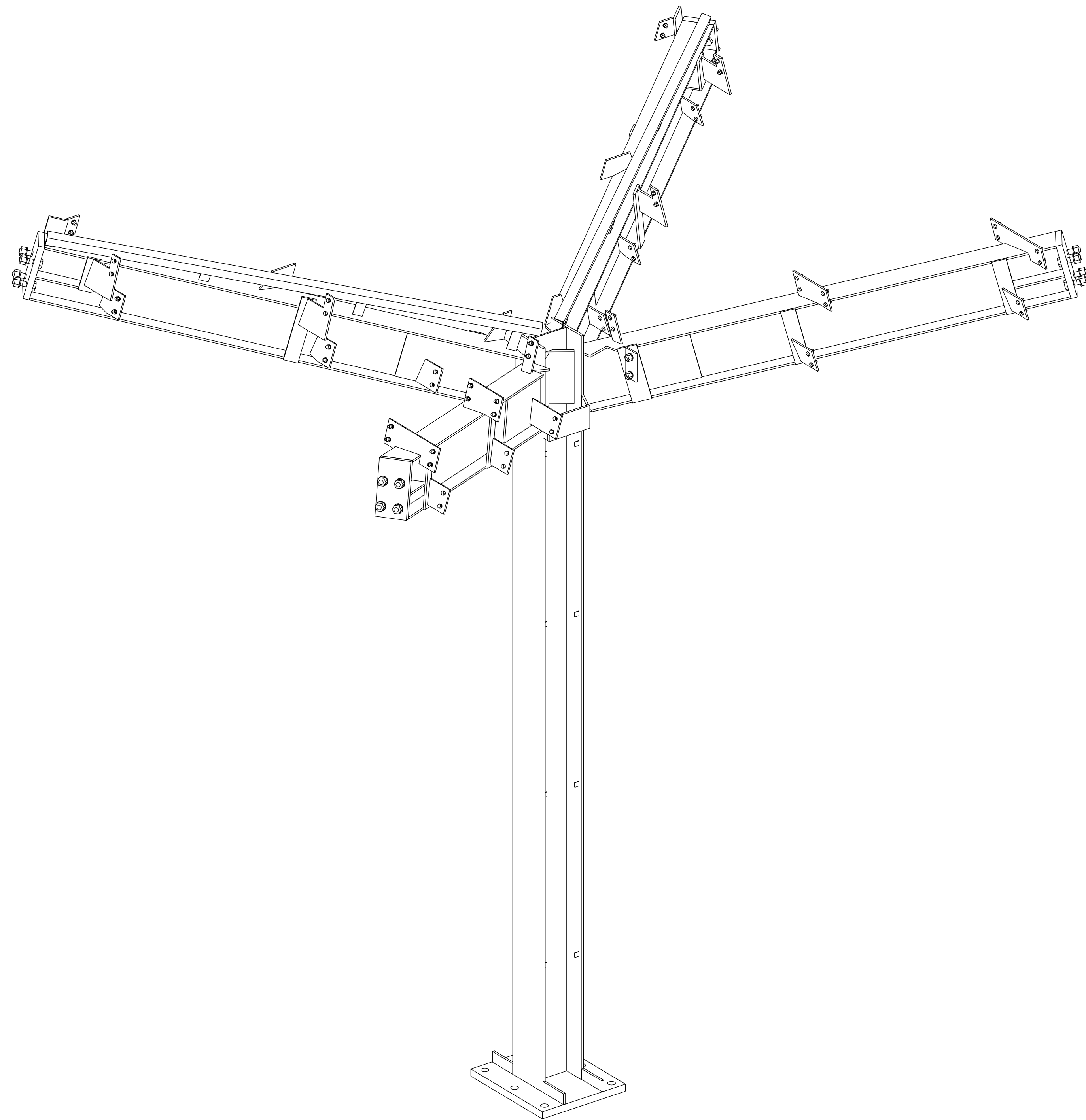
4	1	SET DIMENSION REVISED	19.05.11
3	0	ISSUED FOR FABRICATION	15.04.11
2	B	RE-ISSUED FOR APPROVAL	06.04.11
1	A	ISSUED FOR APPROVAL	08.03.11
No.	REV.	DESCRIPTION	DATE

Ketch Drafting Pty. Ltd.
 A.B.N. 69 079 793 122
 14/37-39 ALBERT RD MELBOURNE, VIC AUSTRALIA 3004
 PH +61 3 9666 1015 FAX +61 3 9666 1016 MOB 0411 566 698
JOHN HOLLAND PTY. LTD.
 415 Johnston St. Abbotsford, 3067.

**SOUTH MORANG RAIL EXTENSION PROJECT
 THOMASTOWN STATION
 STATION BUILDING
 STEELWORK**

DESIGN ENGINEER:	DRAWN: DN	CHECKED: XTD	DRAWING No. THO-1TR5	REV. 1
DATE: 19.05.11	SCALE: 1:7.5			

GRID LOCATION
1C1 J/6



ISOMETRIC VIEW

1 BEAM (S) REQUIRED MK 1C1

MATERIAL LIST FOR ONE ASSEMBLY MK'D				1C1	1 Ass. Req'd.	
ITEM	No.	SECTION	GRADE	LENGTH	AREA(m ²)	WEIGHT(kg)
am1	1	UB310*40	300PLUS	2608	3.23	106.6
am9	1	UB310*40	300PLUS	2595	3.22	106.1
am26	1	UB310*40	300PLUS	2595	3.22	106.1
am27	1	UB310*40	300PLUS	2608	3.23	106.6
am43	1	UC250*73	300PLUS	4171	6.17	305.2
ap1	1	PLT40*520	350Z	600	0.71	98.0
ap5	1	PLT12*127	250	254	0.07	3.0
ap9	2	FLT12*40	250	167	0.02	1.1
ap11	4	PLT32*165	250	304	0.13	50.4
ap14	2	PLT25*280	250	624	0.37	64.5
ap15	2	FLT12*75	250	186	0.03	2.6
ap16	1	PLT25*260	350Z	290	0.18	14.8
ap17	1	PLT25*106	250	290	0.08	6.0
ap19	2	FLT12*75	250	363	0.06	5.1
ap22	1	FLT10*130	250	180	0.05	1.8
ap24	2	PLT25*280	250	625	0.37	64.8
ap26	2	FLT12*100	250	274	0.06	5.2
ap29	4	PLT12*60	250	170	0.03	3.8
ap36	1	FLT10*100	250	313	0.07	2.5
ap38	4	FLT10*75	250	304	0.05	7.2
ap50	1	FLT10*90	250	160	0.03	1.1
ap56	1	PLT10*70	250	282	0.05	1.5
ap57	4	PLT10*218	250	228	0.08	11.1
ap65	2	PLT8*128	250	194	0.04	2.1
ap69	2	FLT8*130	250	142	0.03	1.8
ap72	2	FLT8*130	250	163	0.04	2.4
ap73	6	FLT8*130	250	119	0.03	5.1
ap75	4	FLT8*130	250	169	0.04	5.0
ap79	1	PLT8*125	250	243	0.06	1.8
ap87	2	FLT8*200	250	134	0.05	2.8
ap88	4	FLT8*130	250	165	0.04	4.9
ap93	2	FLT8*75	250	187	0.03	1.7
ap96	2	FLT8*130	250	422	0.11	6.1
ap100	2	FLT8*154	250	279	0.08	4.8
ap108	2	EA50*50*3	300PLUS	2539	0.51	11.8
ap112	2	FLT6*50	250	39	0.00	0.2
ap113	2	FLT6*50	250	80	0.01	0.4
ap114	2	FLT6*50	250	121	0.01	0.6
ap115	2	FLT6*50	250	162	0.02	0.8
ap126	8	FLT10*300	250	79	0.05	14.9
ap158	4	FLT10*75	250	313	0.05	7.4
ap159	16	PLT3*25	250	25	0.00	0.2
ap163	4	FLT8*130	250	159	0.04	4.0
ap165	1	PLT25*106	350Z	290	0.08	6.0
				TOTAL	22.89	1160.2

GENERAL NOTES

1. WELDS 6 CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF TF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THUS N S F.S
7. ALL HOLES Ø22 U.N.O.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
1C1-1 -2 -3 -4

Xtech Drafting Pty. L td.

A.B.N. 69 079 793 122
14/37 - 39 ALBERT RD. MELBOURNE. VIC. AUSTRALIA. 3004
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JOHN HOLLAND PTY. LTD.
415 Johnston St. Abbotsford. 3067

DESIGN ENGINEER:

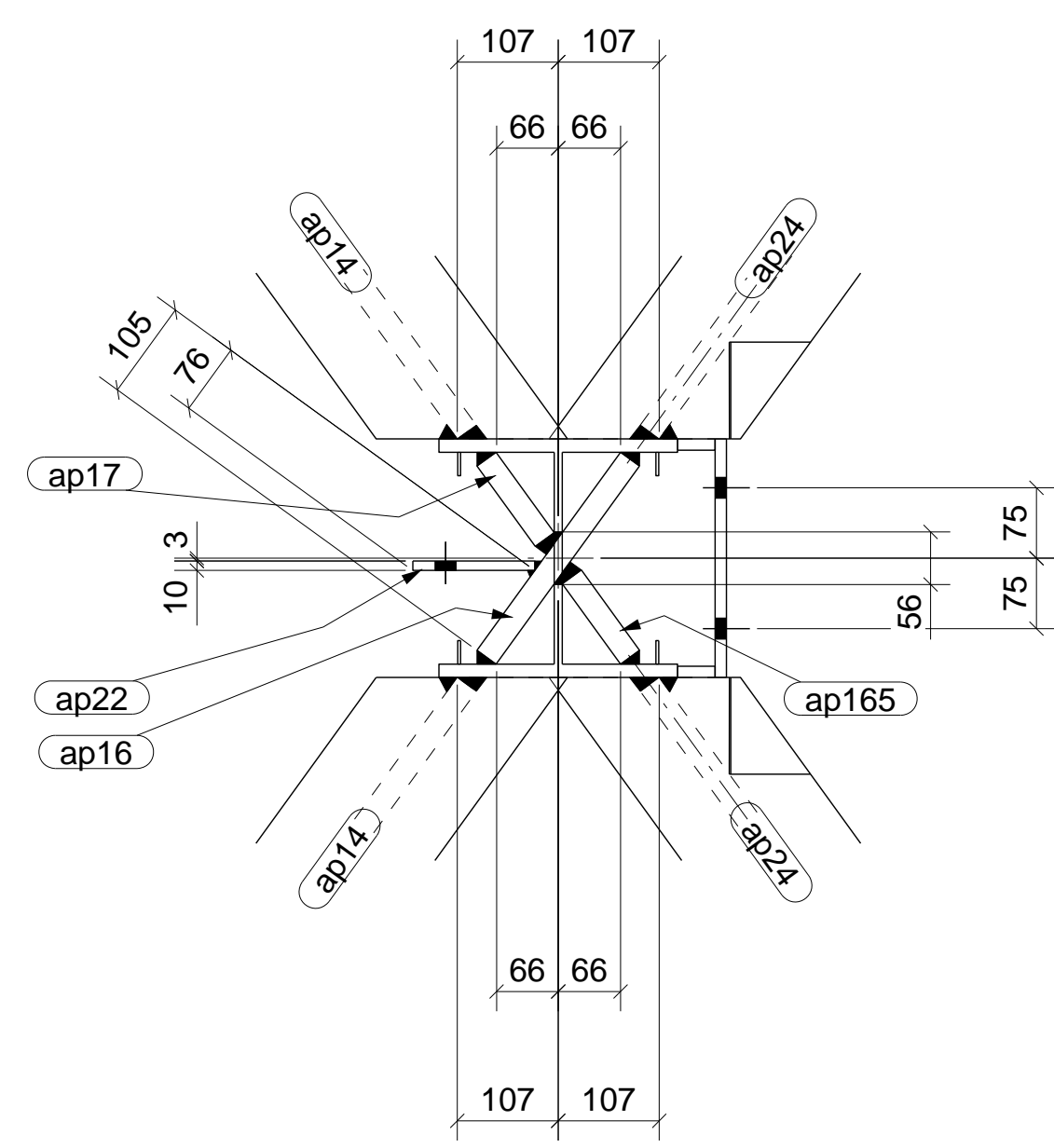
SOUTH MORANG RAIL EXTENTION
SOUTH MORANG STATION
SOUTH MORANG CANOPY
COLUMN

DRAWN: AM
DATE: 27.06.11

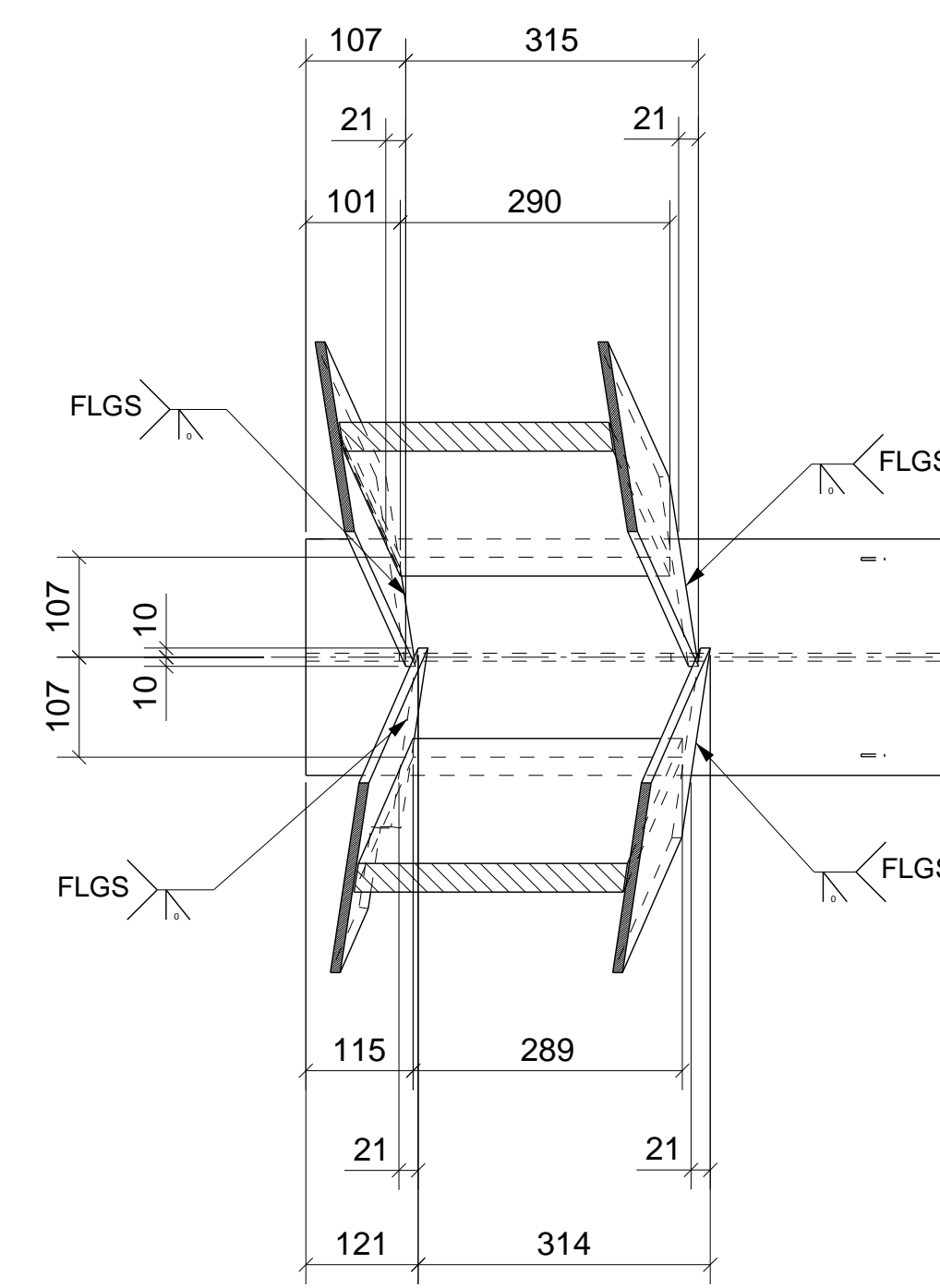
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DRAWING No. SMG-1C1-1
REV. 0

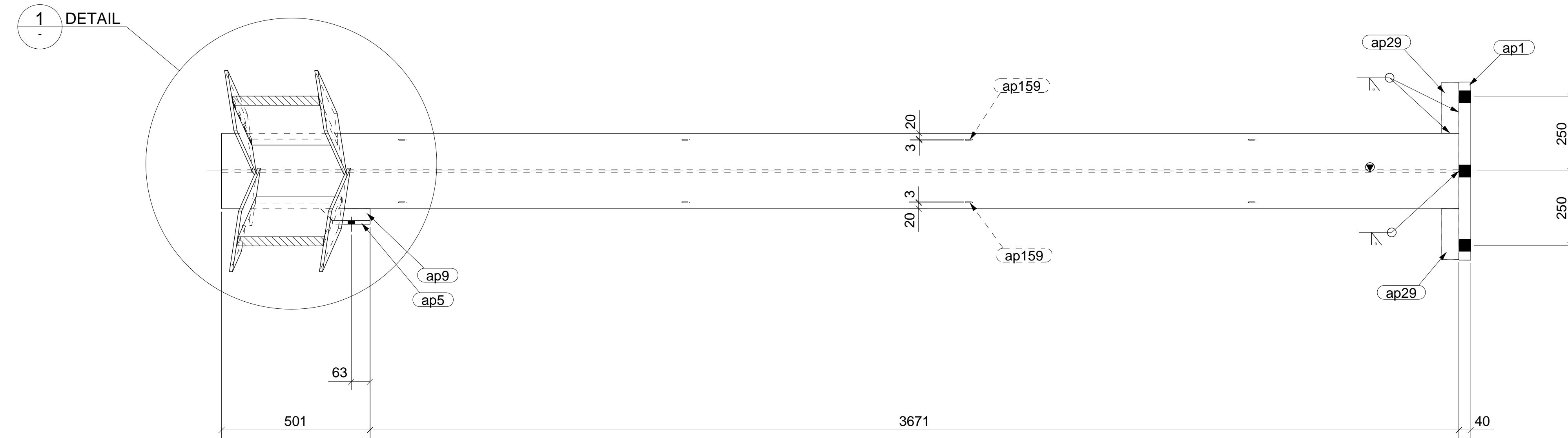
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1	A	ISSUED FOR APPROVAL	02.06.11



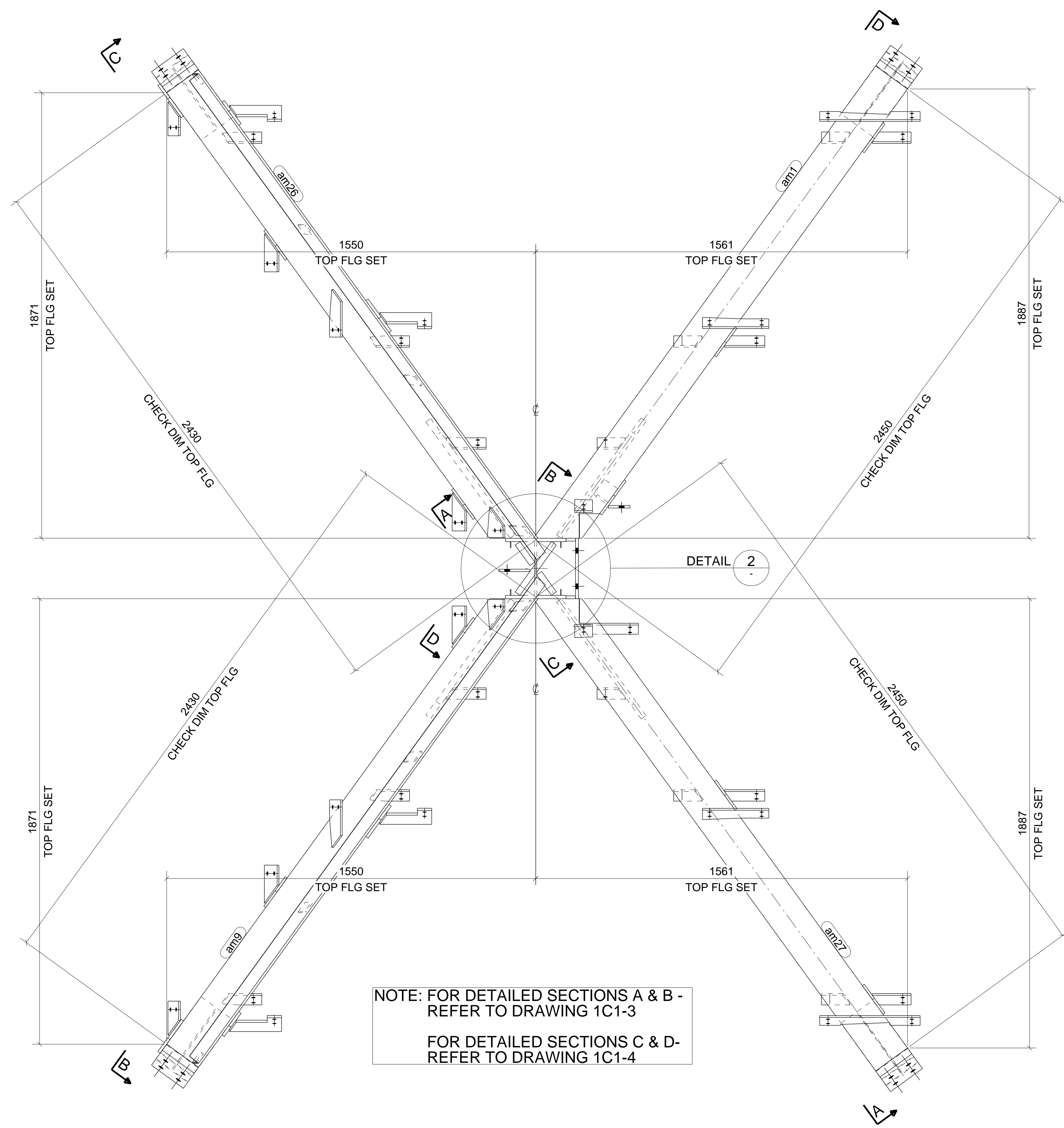
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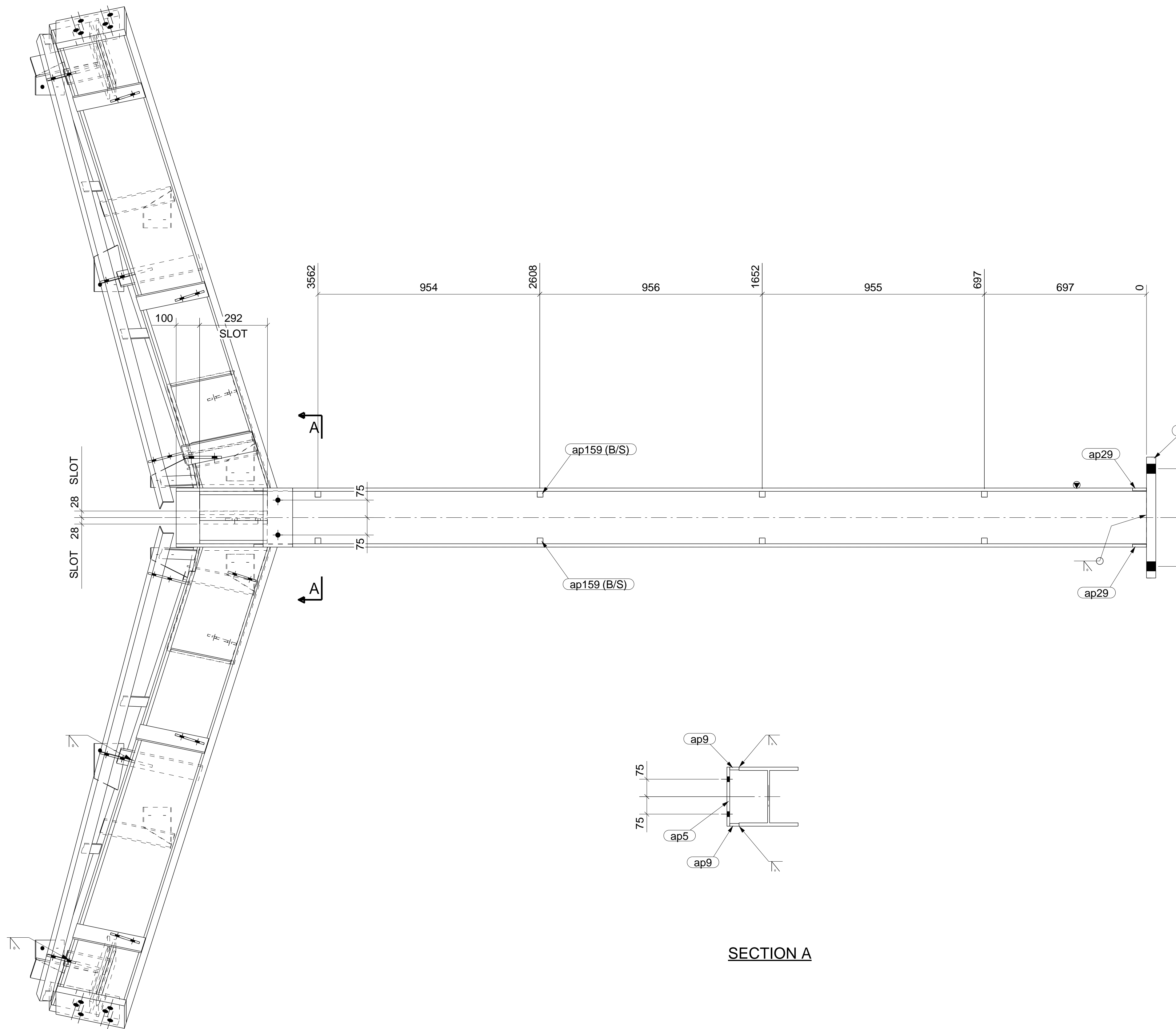
DETAIL 1



TOP VIEW



NOTE: FOR DETAILED SECTIONS A & B - REFER TO DRAWING 1C1-3
FOR DETAILED SECTIONS C & D - REFER TO DRAWING 1C1-4



SECTION A

GENERAL NOTES

1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF FF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THUS: N.S. F.S.
7. ALL HOLES Ø2 UNL.D.

PAINT : 0
PRECAMBER :

ERECTOR PLAN REFERENCE:
1C1-1-2-3-4

No.	REV.	DESCRIPTION	DATE
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1	A	ISSUED FOR APPROVAL	02.06.11

Xtech Drafting Pty. L.td.

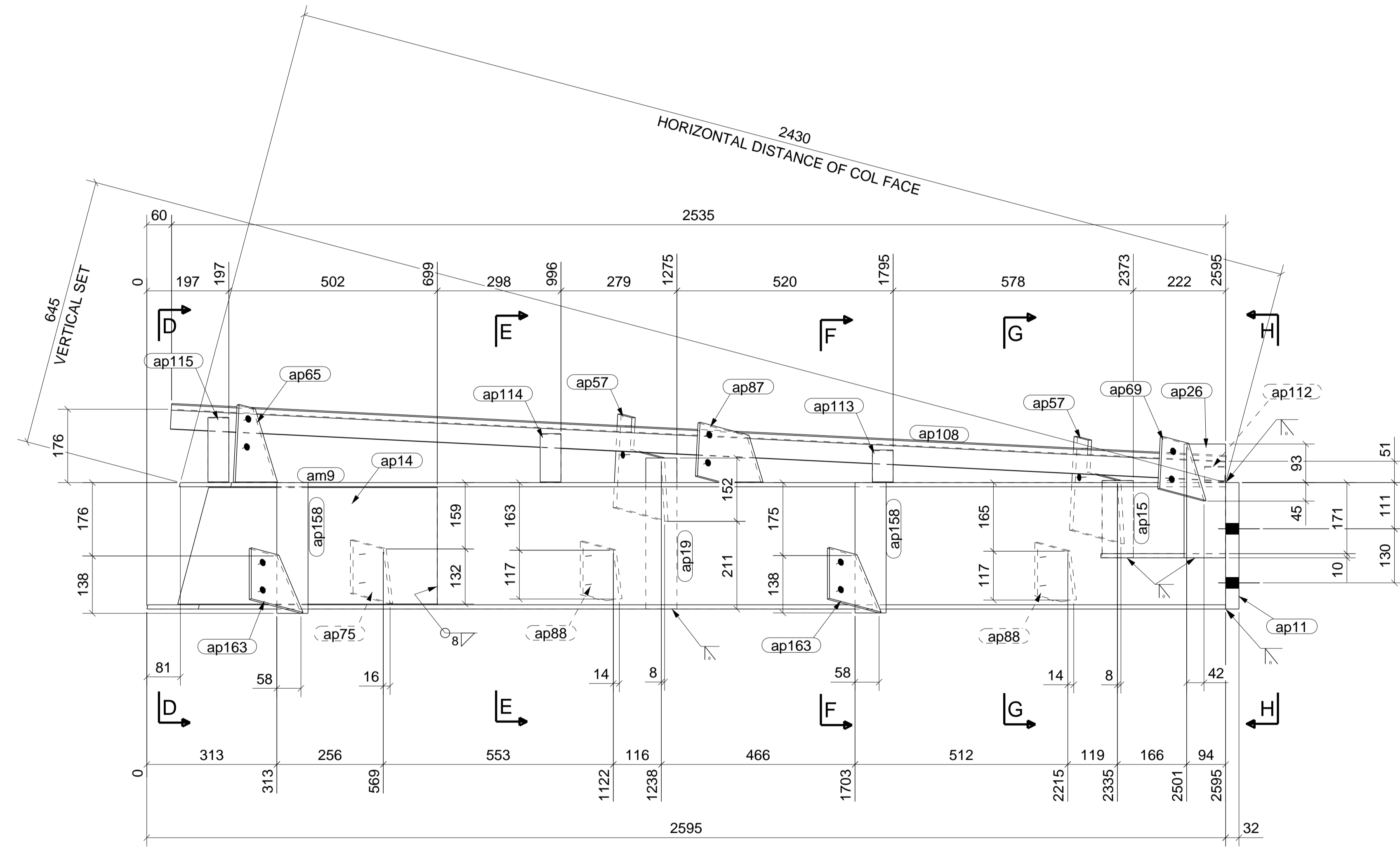
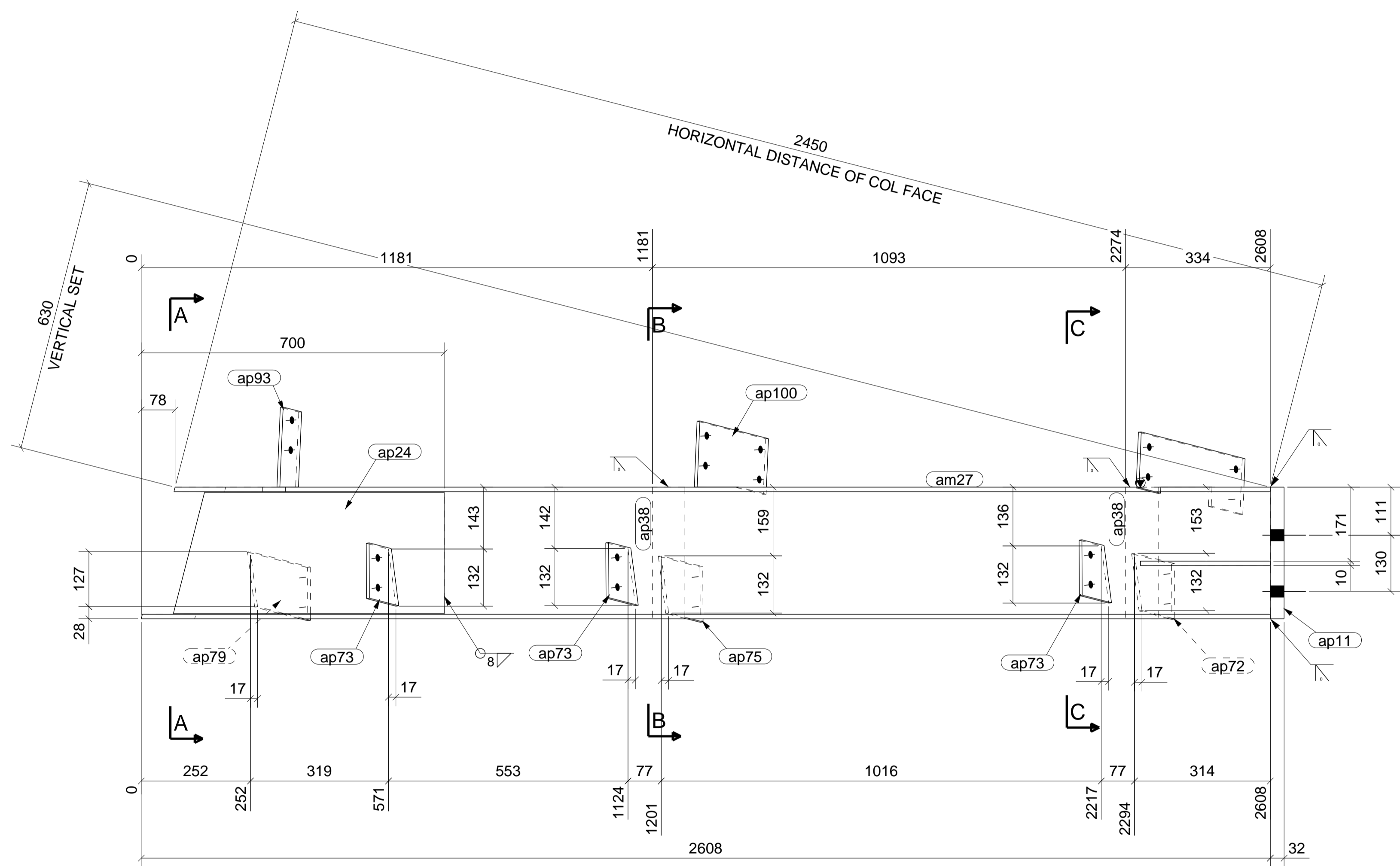
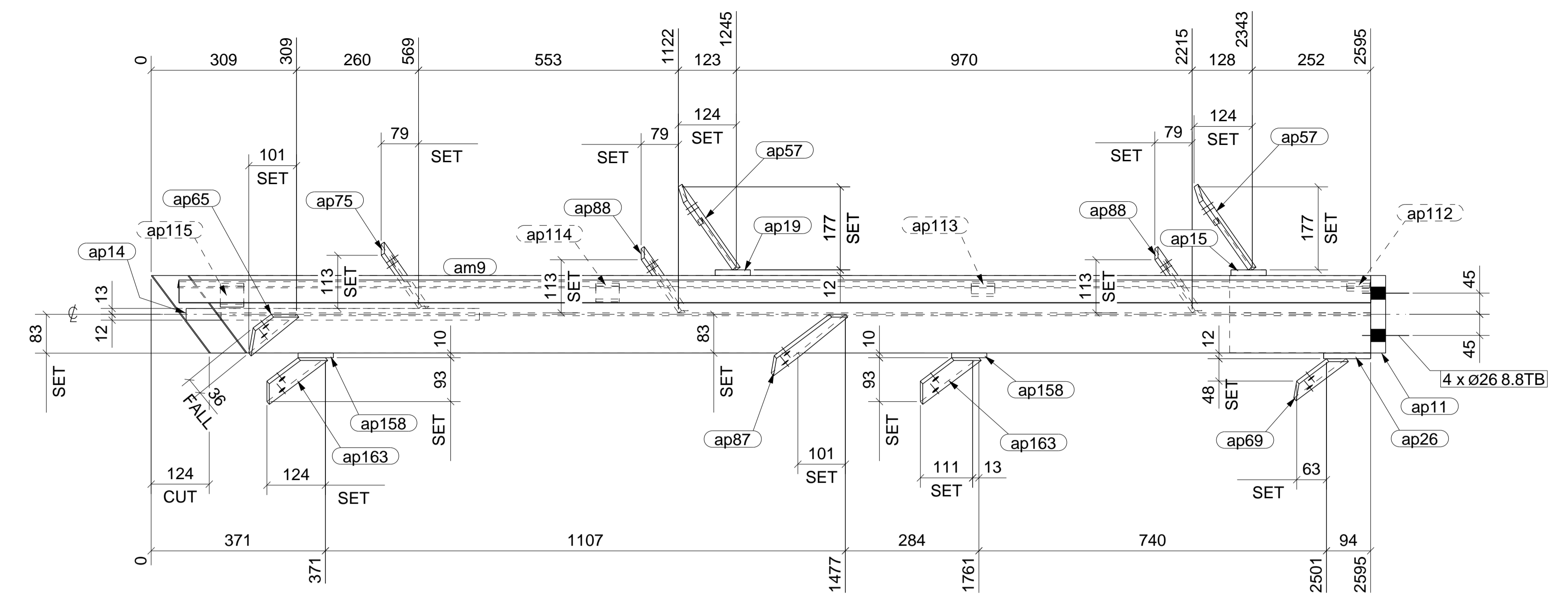
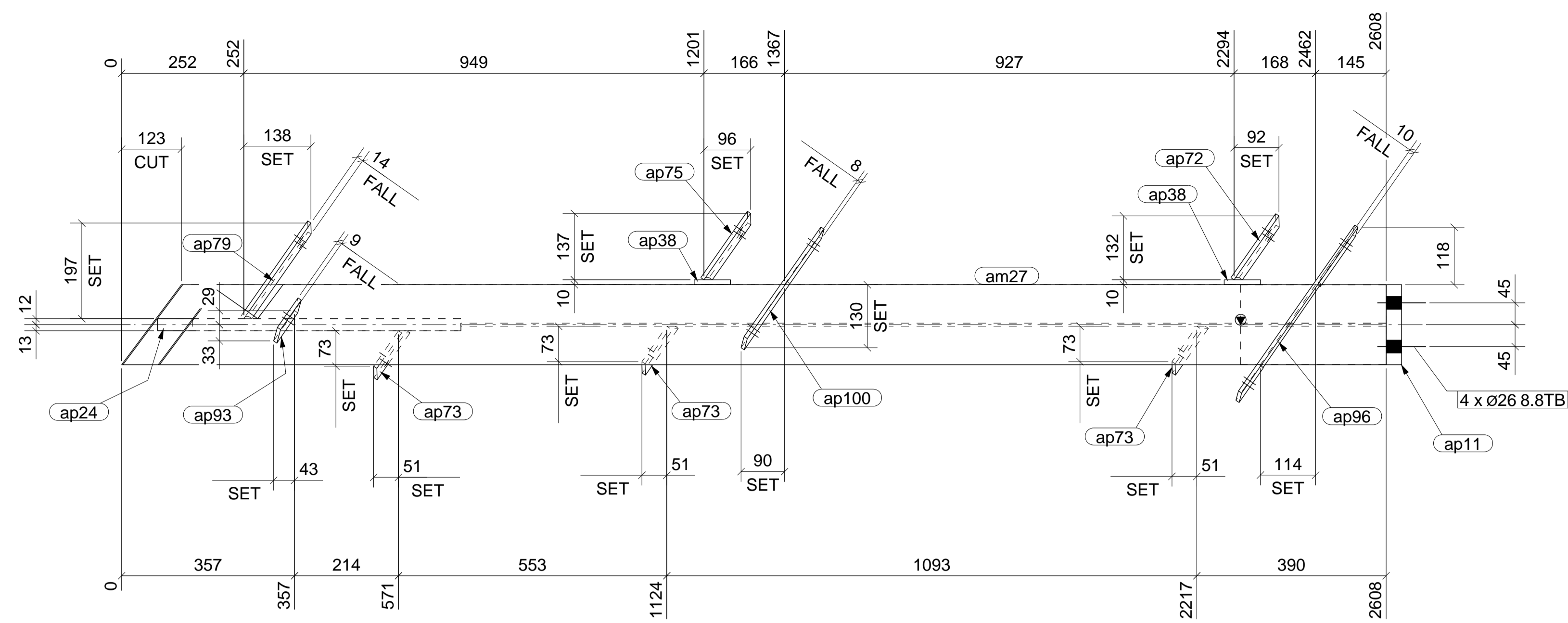
ALBERT 498 099 793 322
14/37 - 39 ALBERT RD. MELBOURNE, VIC. AUSTRALIA, 3004
PH: +61 3 9866 1015 FAX: +61 3 9866 1016 MOB: 0411 566 698

JOHN HOLLAND PTY. LTD.
415 Johnston St. Abbotsford, 3067

DESIGN ENGINEER:

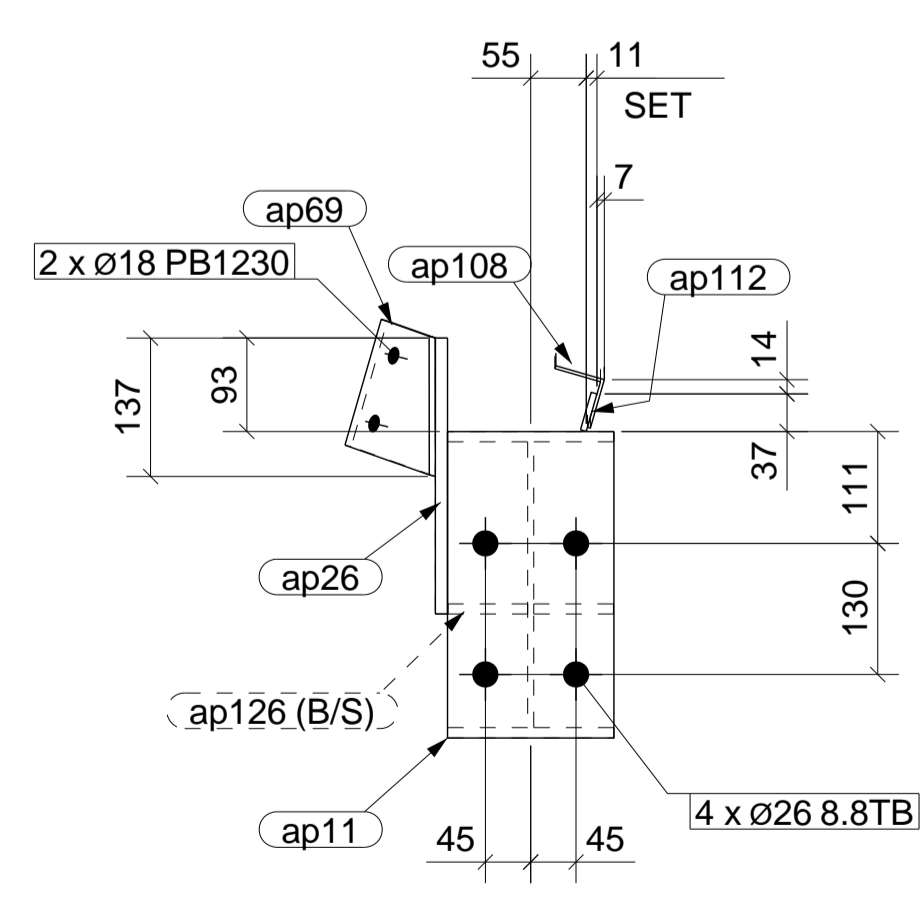
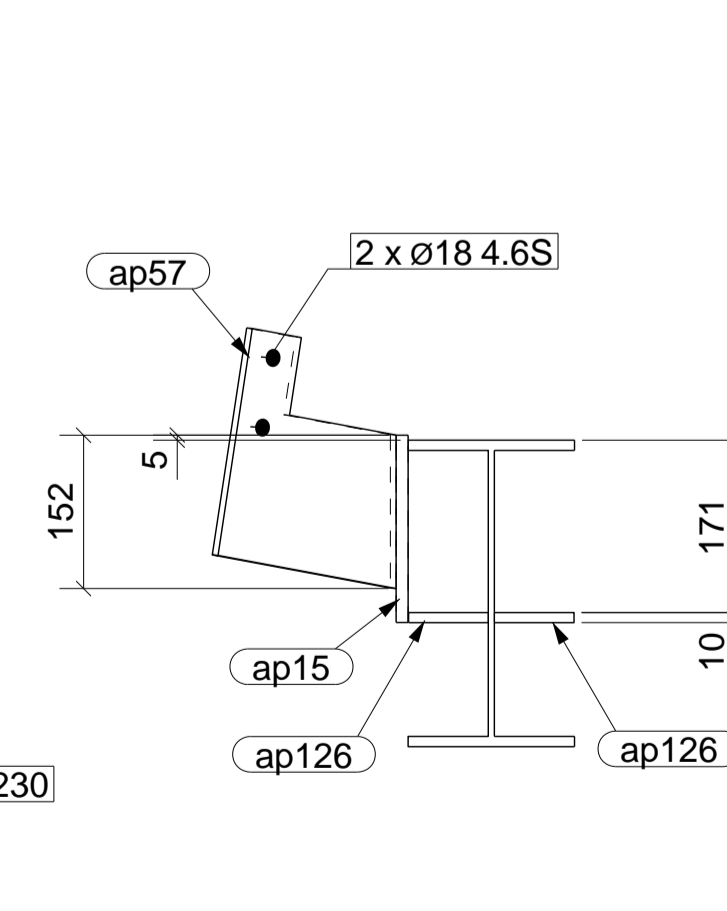
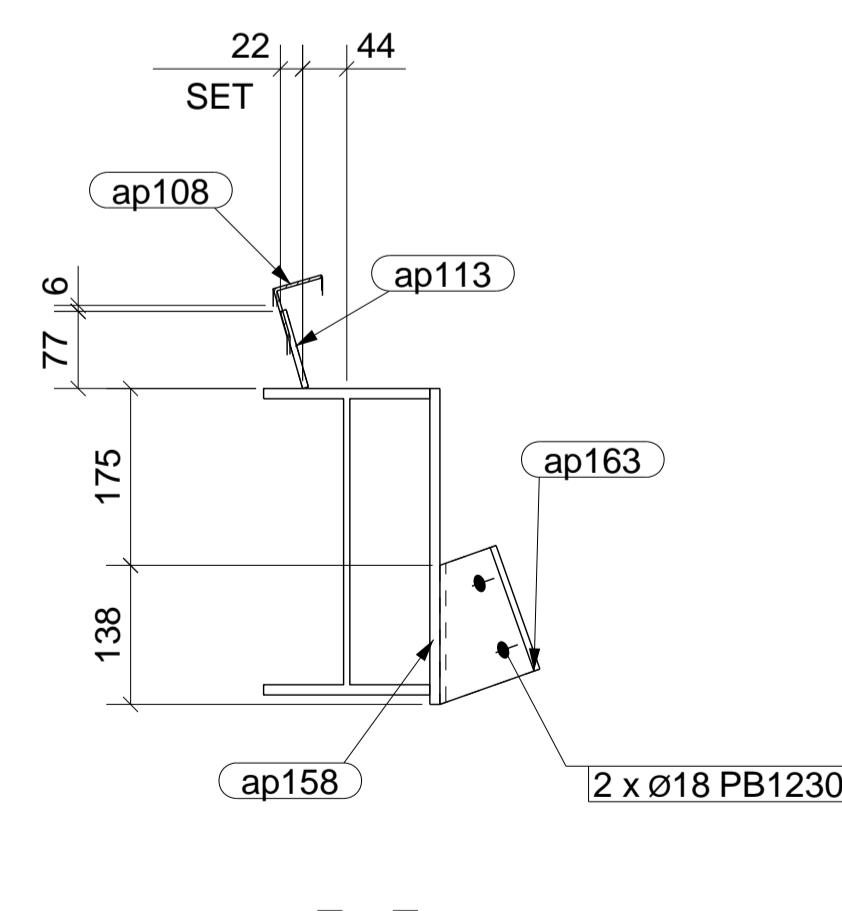
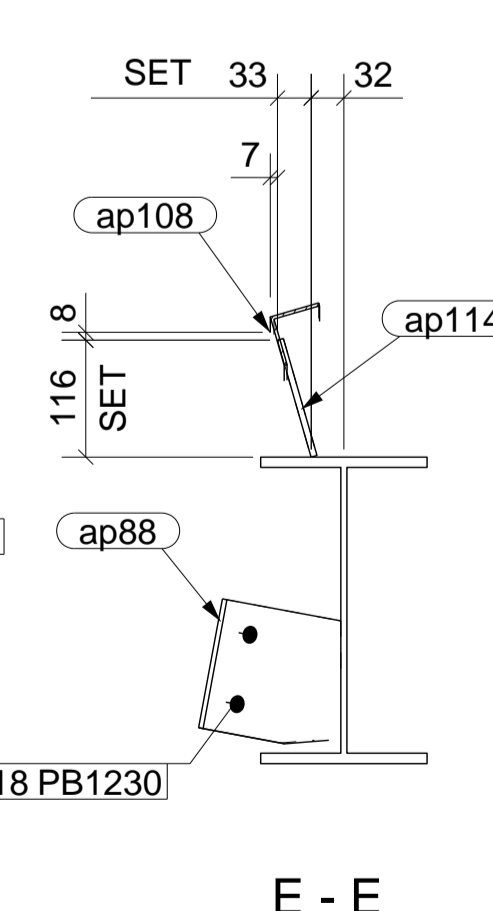
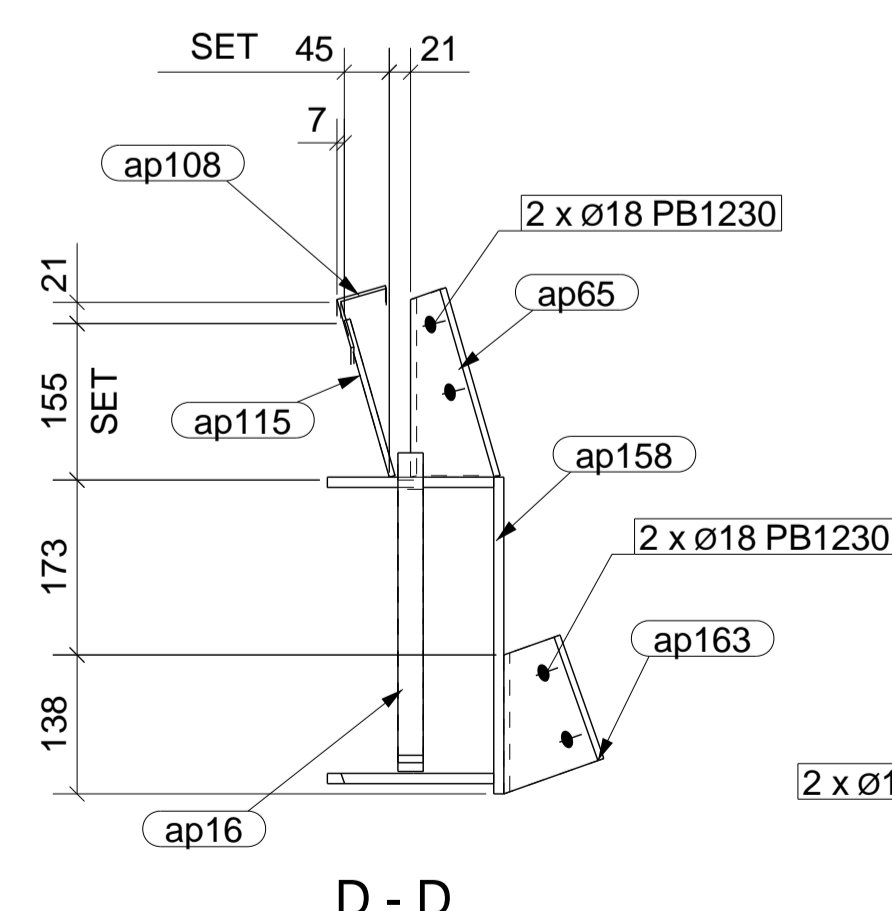
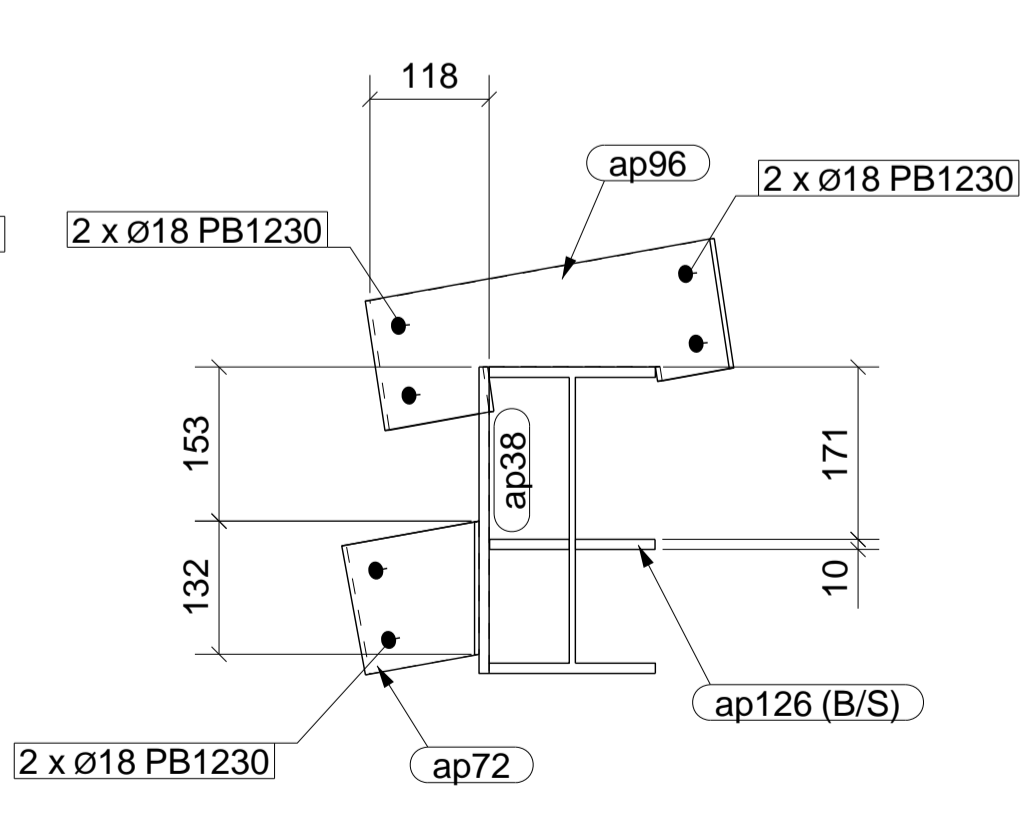
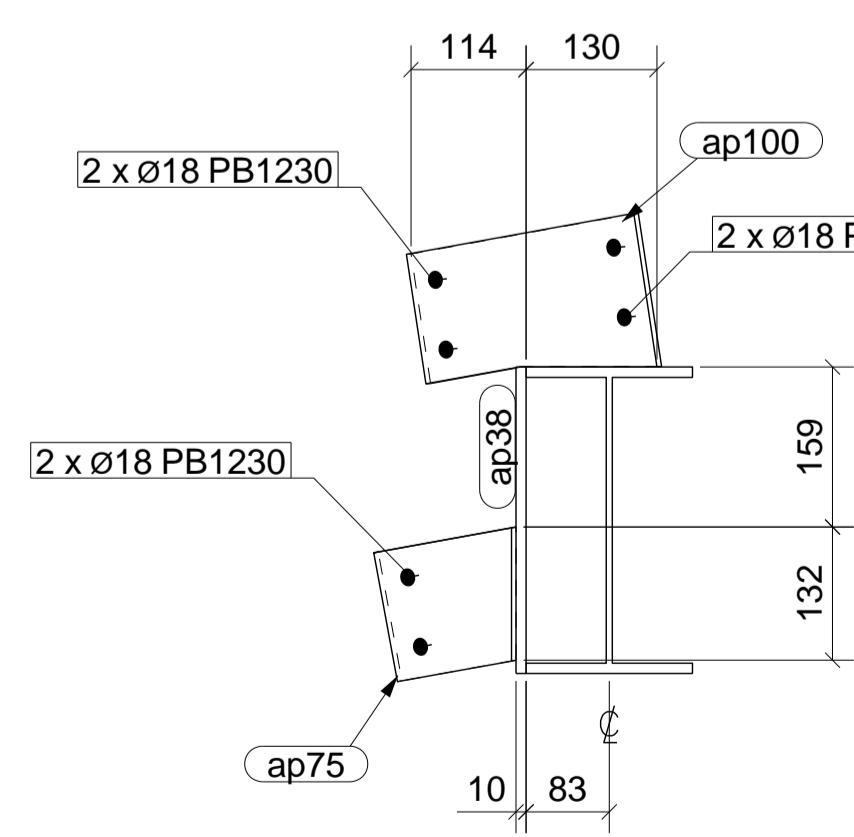
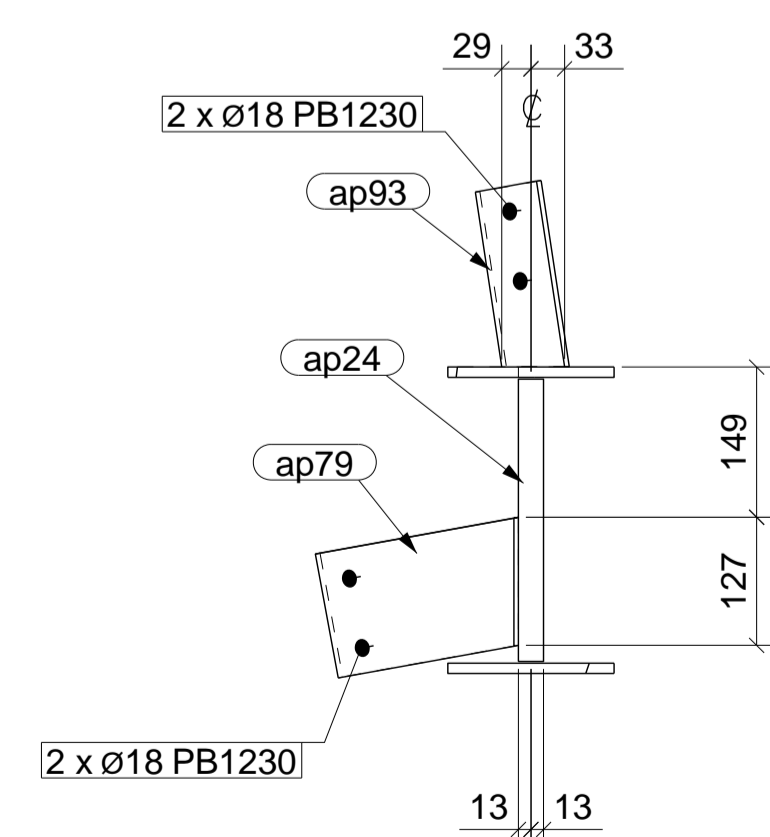
SOUTH MORANG RAIL EXTENSION
SOUTH MORANG STATION
SOUTH MORANG CANOPY
COLUMN

DATE:	SCALE:	DRAWING No.	REV.
27.06.11	1:7.5	SMG-1C1-2	0



A - A

B - B



A - A

B - B

C - C

D - D

E - E

F - F

G - G

H - H

GENERAL NOTES

1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 11mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF TF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THIS N.S. F.S.
7. ALL HOLES Ø22 U.N.O.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
1C1-1-2-3-4

No	REV	DESCRIPTION	DATE
2	0	ISSUED FOR FABRICATION	27.06.11
1	A	ISSUED FOR APPROVAL	02.06.11

Xtech Drafting Pty. Ltd.

A.B.N. 69 079 793 122
14 / 37 - 39 ALBERT RD. MELBOURNE, VIC. AUSTRALIA, 3004
PH. +61 3 9866 1015 FAX. +61 3 9866 1016 MOB. 0411 566 698

JOHN HOLLAND PTY. LTD.
415 Johnson St. Abbotsford. 3067

DESIGN ENGINEER:

SOUTH MORANG RAIL EXTENTION
SOUTH MORANG STATION
SOUTH MORANG CANOPY
COLUMN

DRAWN: AM

DATE: 27.06.11

CHECKED: XTD

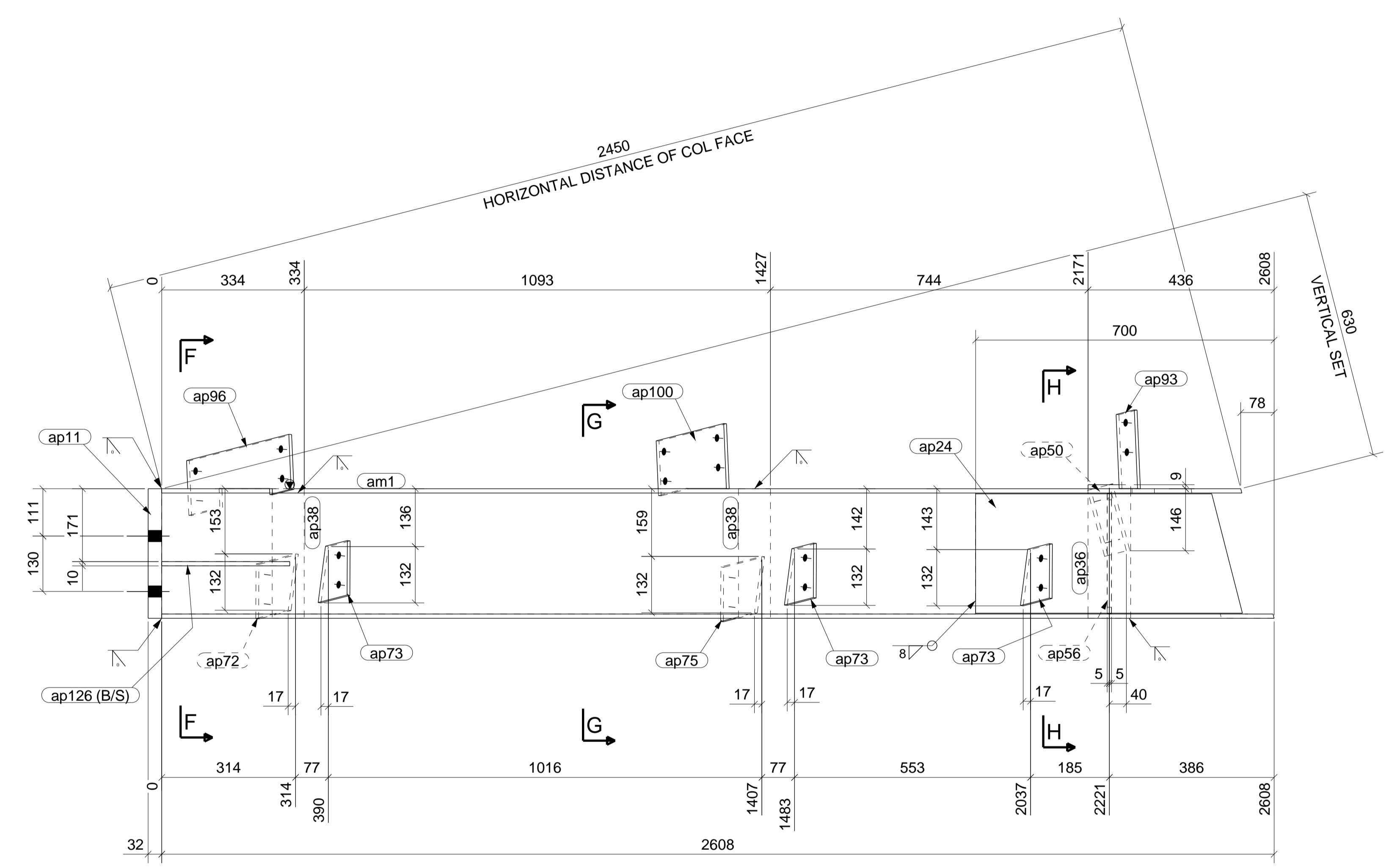
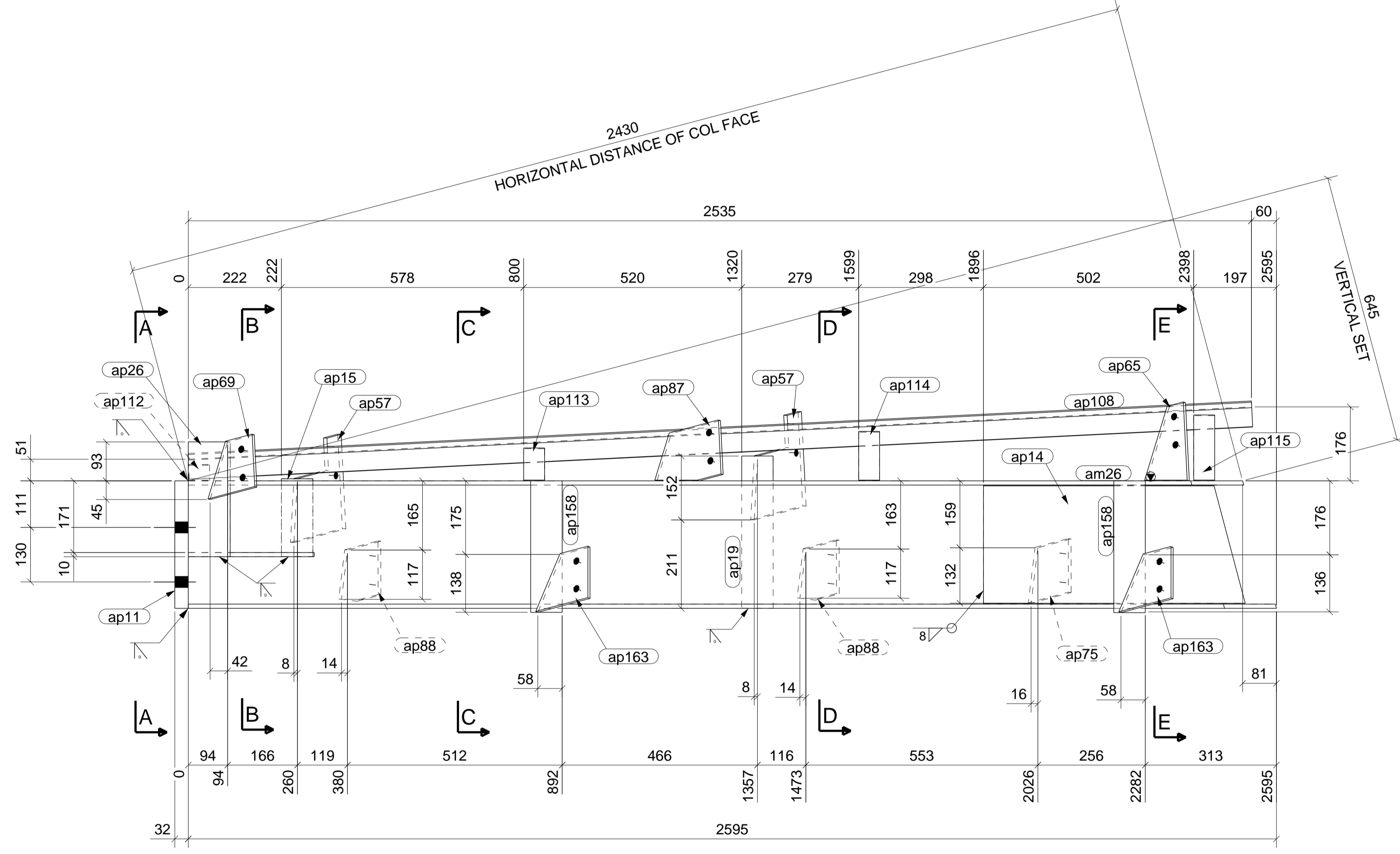
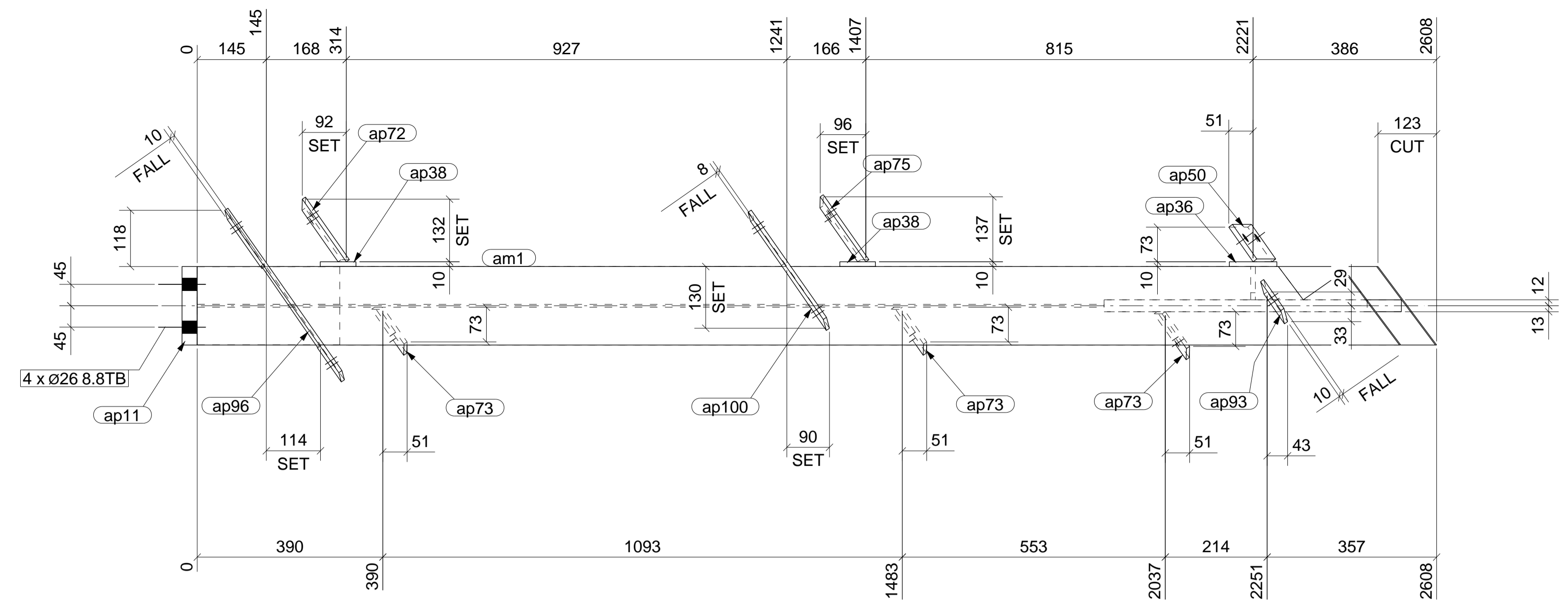
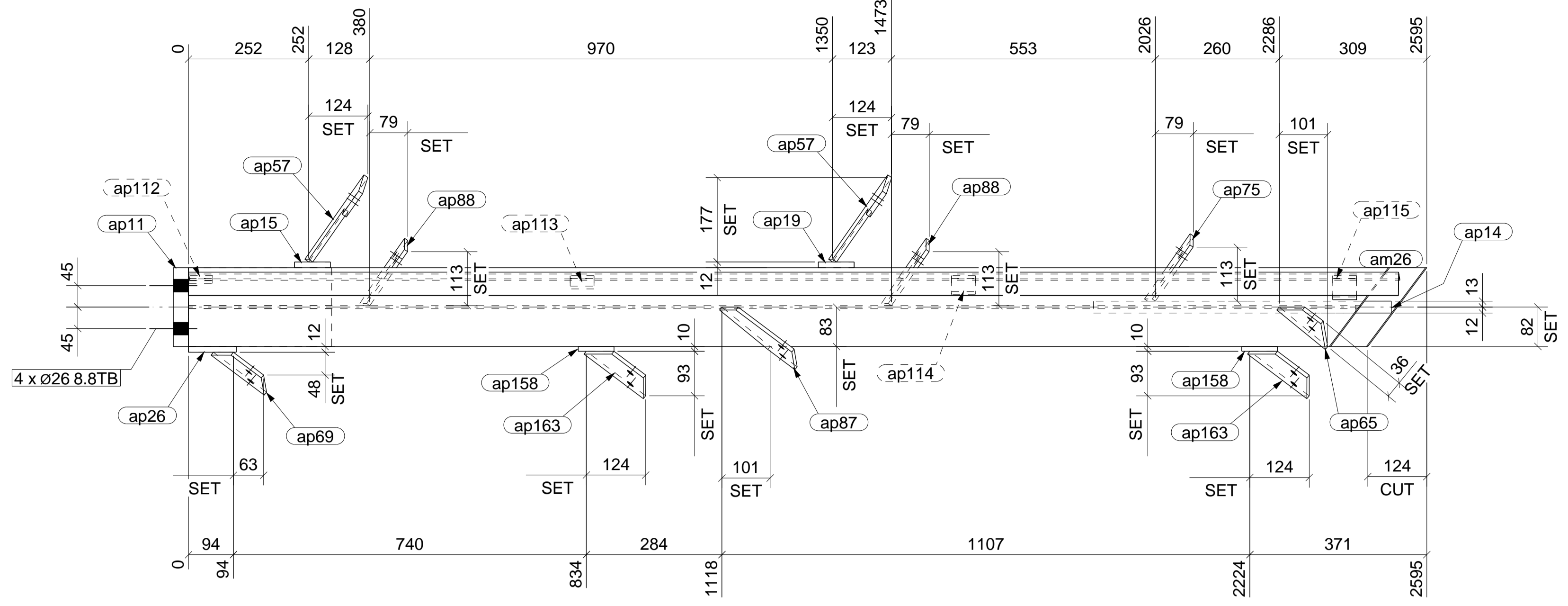
SCALE: 1:7.5

DRAWING No.

SMG-1C1-3

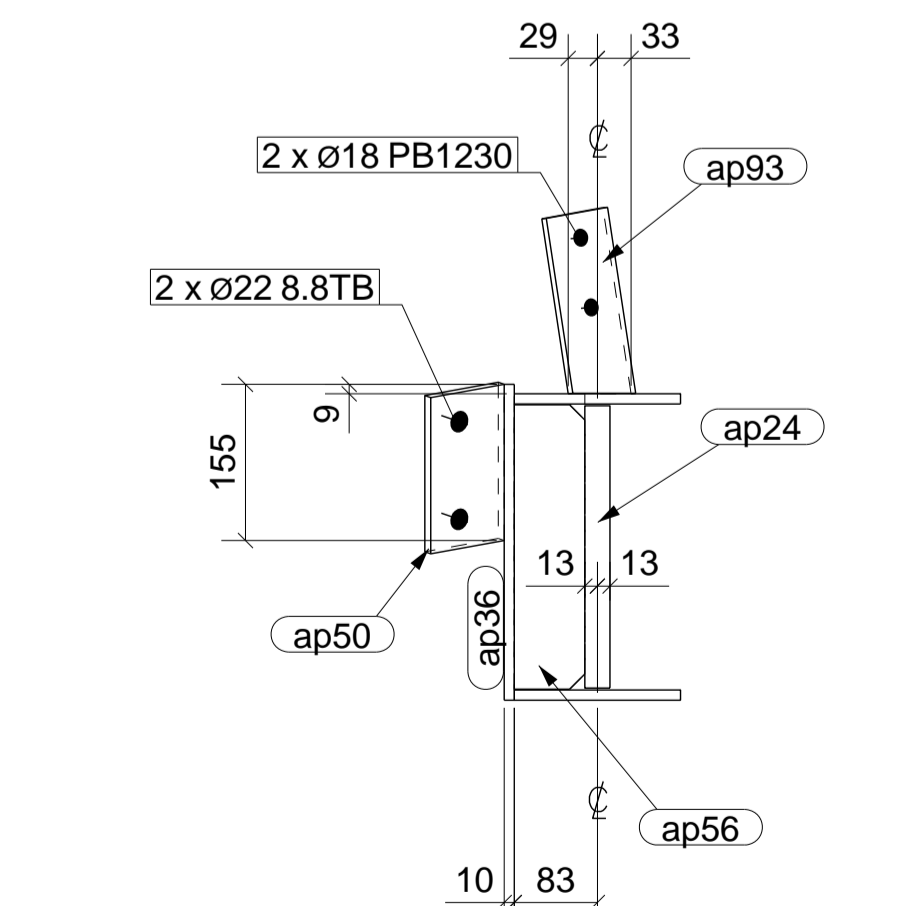
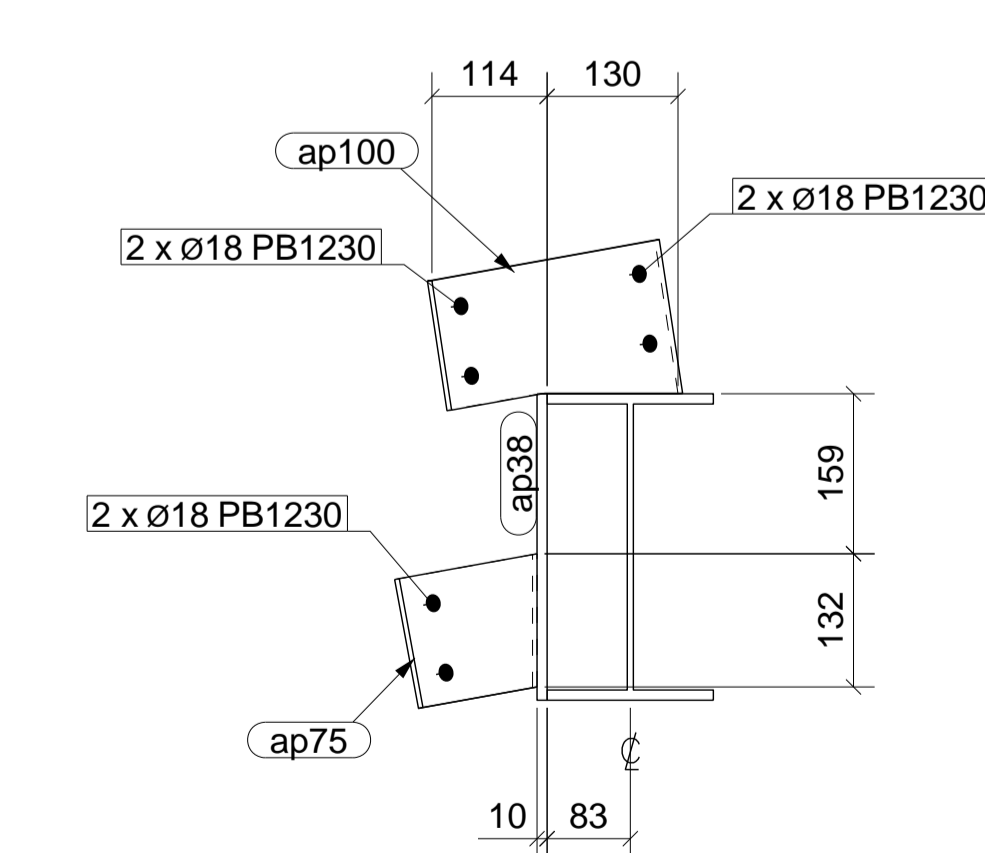
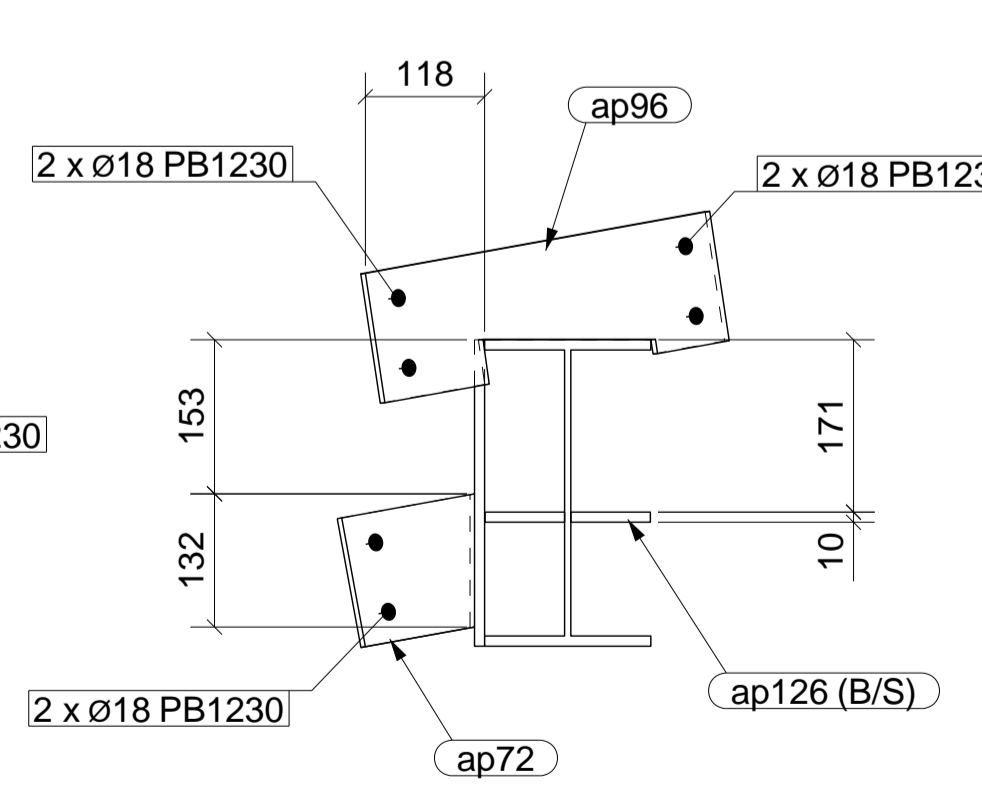
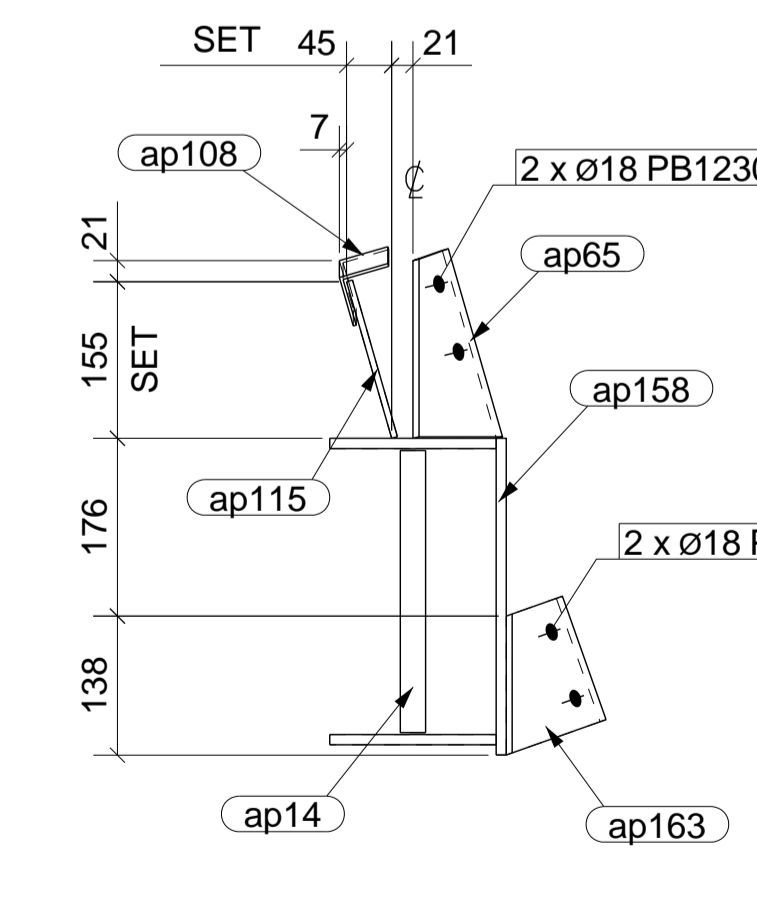
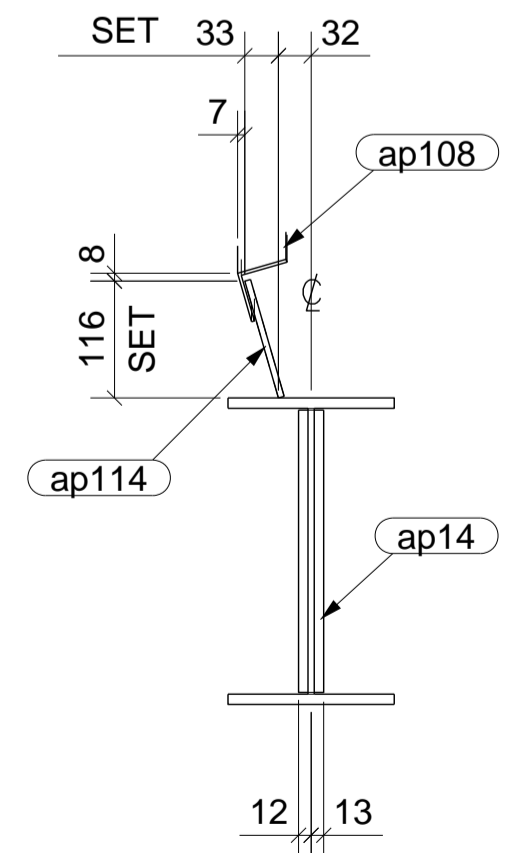
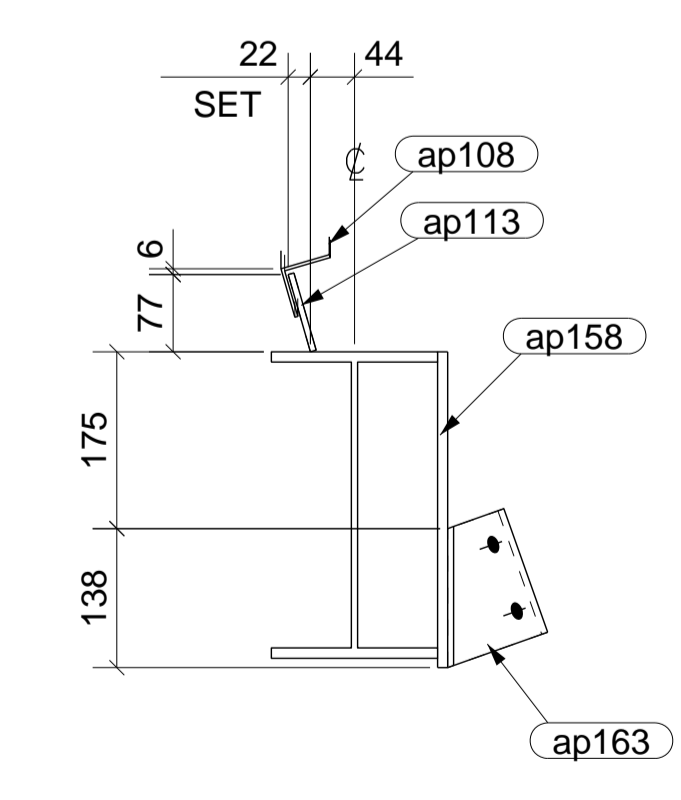
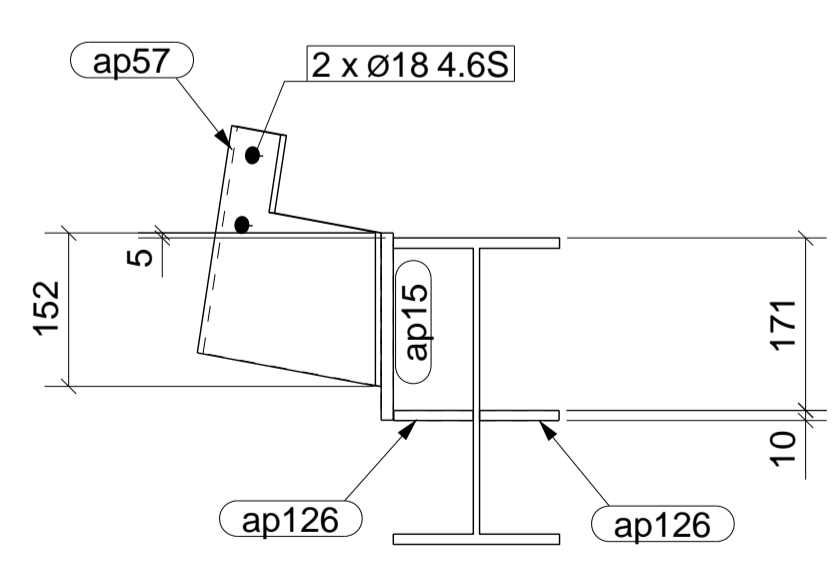
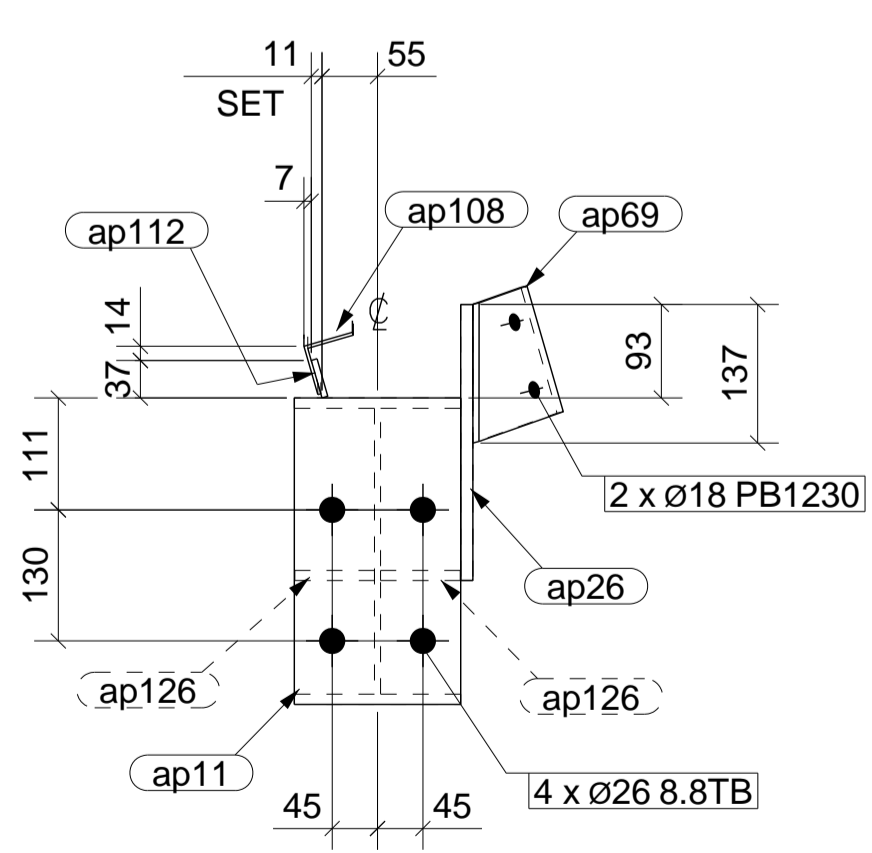
REV.

0



C - C

D - D



A - A

B - B

C - C

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E - E

F - F

G - G

H - H

GENERAL NOTES

1. WELDS & CONT. FILLET (CAT. SP) UNLESS NOTED.
2. ALL BUTT WELDS TO BE FULL PENETRATION (CAT. SP) UNLESS NOTED.
3. ALL NOTCHES TO HAVE 10mm RADIUS AT INTERNAL CORNERS.
4. NO PAINT IN WAY OF TF BOLT CONNECTIONS.
5. THIRD ANGLE PROJECTION UNLESS NOTED.
6. ASSEMBLY MARK TO BE STAMPED ON TOP FACE WHERE INDICATED THIS: N S F S
7. ALL HOLES Ø22 U.N.O.

PAINT : 0
PRECAMBER :

ERECTION PLAN REFERENCE:
1C1-1-2-3-4

No	REV	DESCRIPTION	DATE
2	0	ISSUED FOR FABRICATION	27.06.11
1	A	ISSUED FOR APPROVAL	02.06.11

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**SOUTH MORANG RAIL EXTENTION
SOUTH MORANG STATION
SOUTH MORANG CANOPY
COLUMN**

DESIGN ENGINEER:

DRAWN:	CHECKED:	DRAWING No.	REV.
AM	XTD	SMG-1C1-4	0
DATE: 27.06.11	SCALE: 1:7.5		