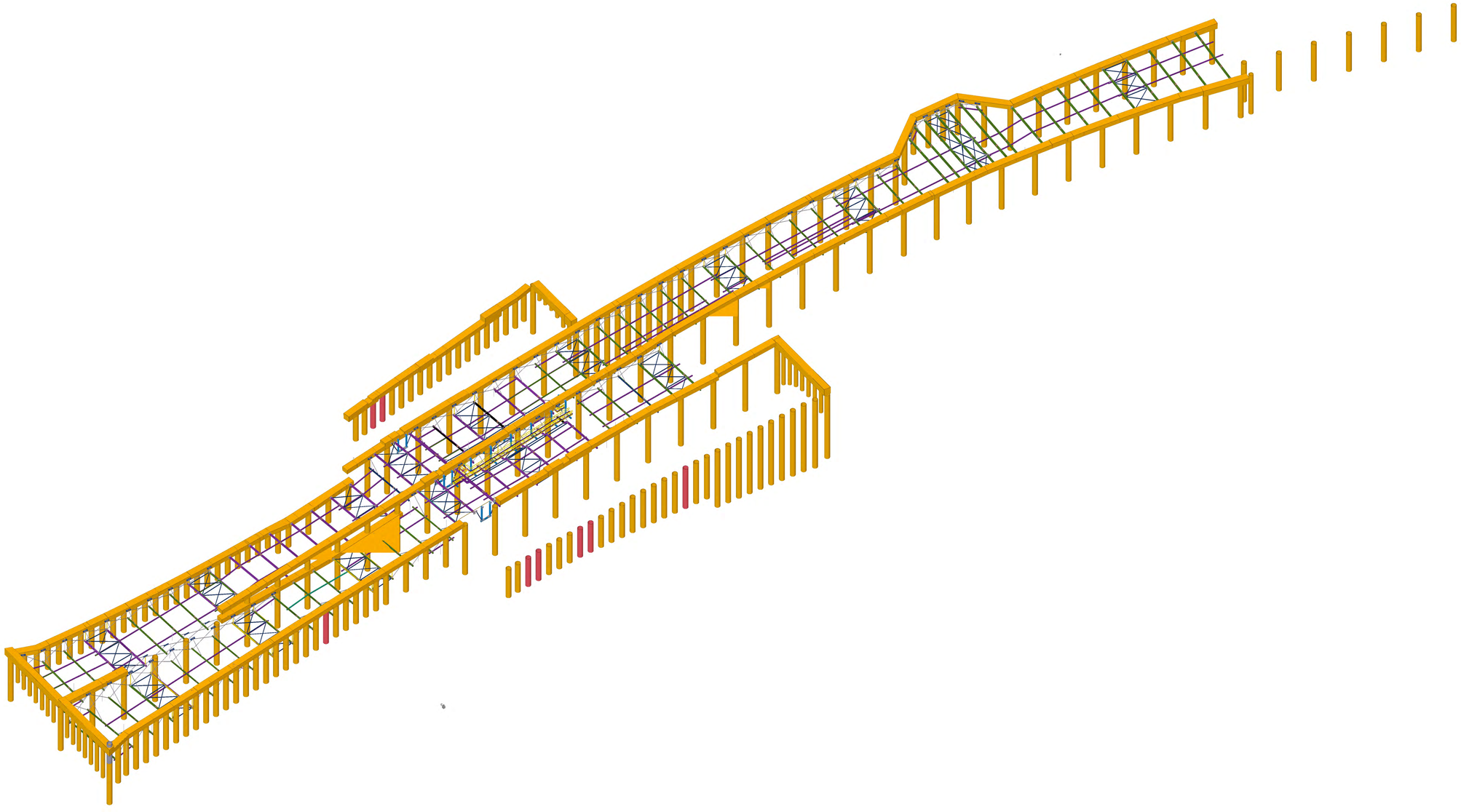
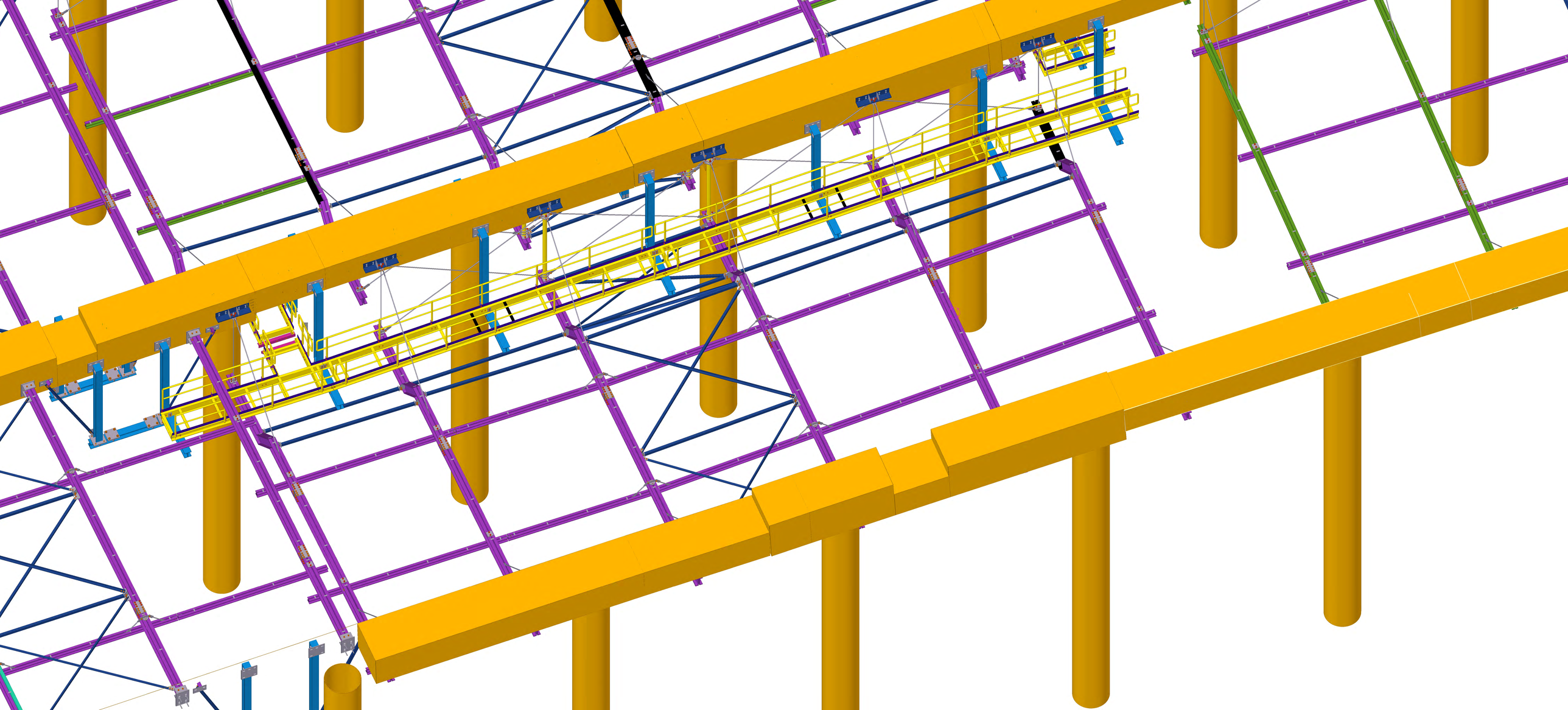
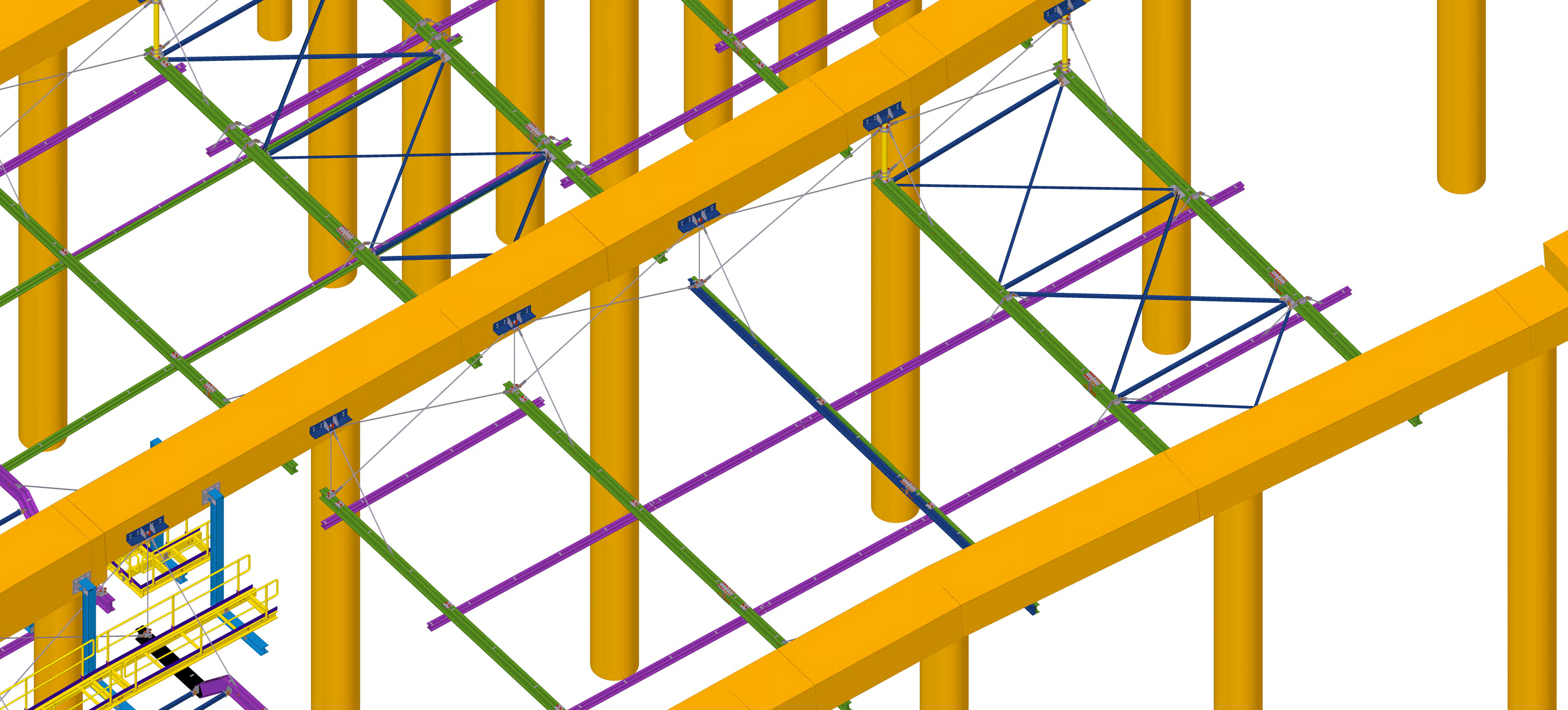
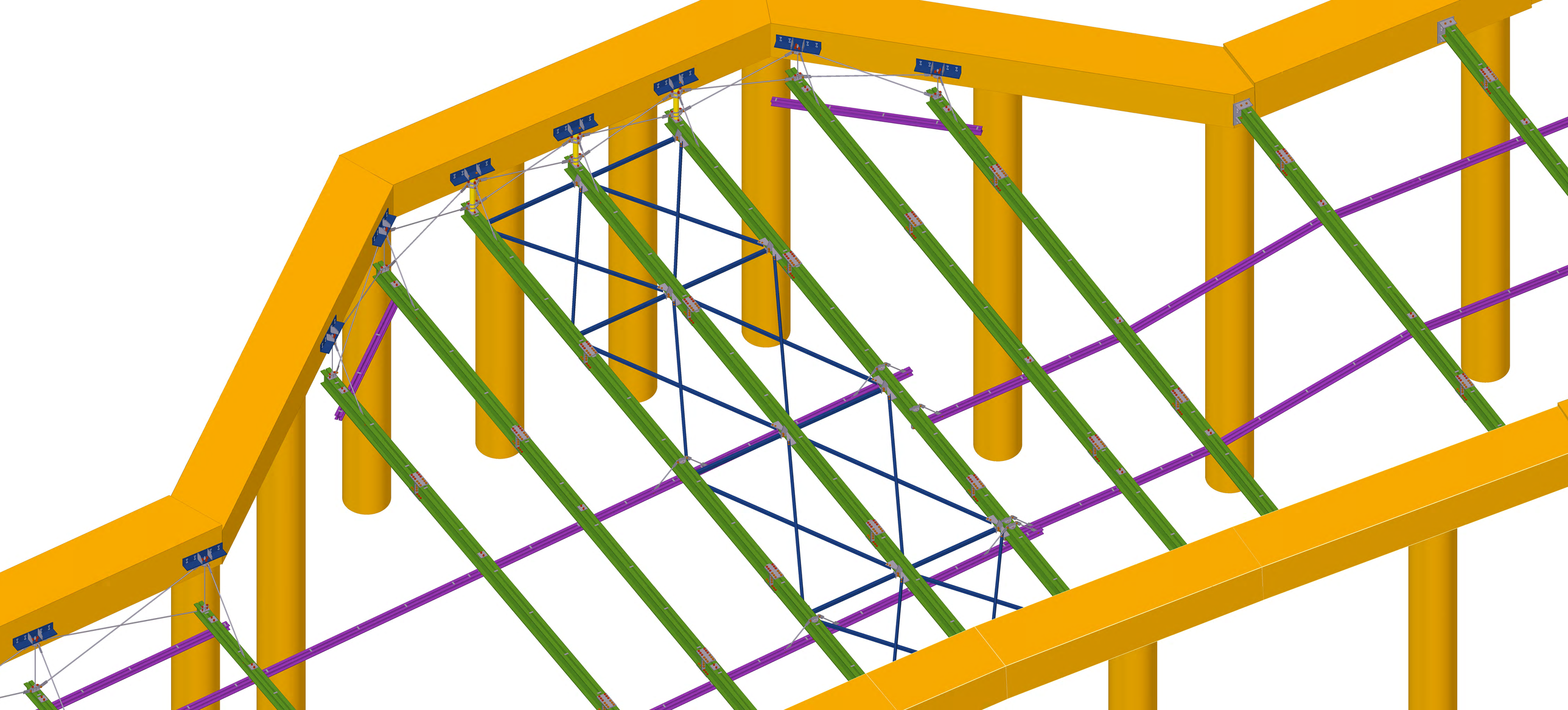
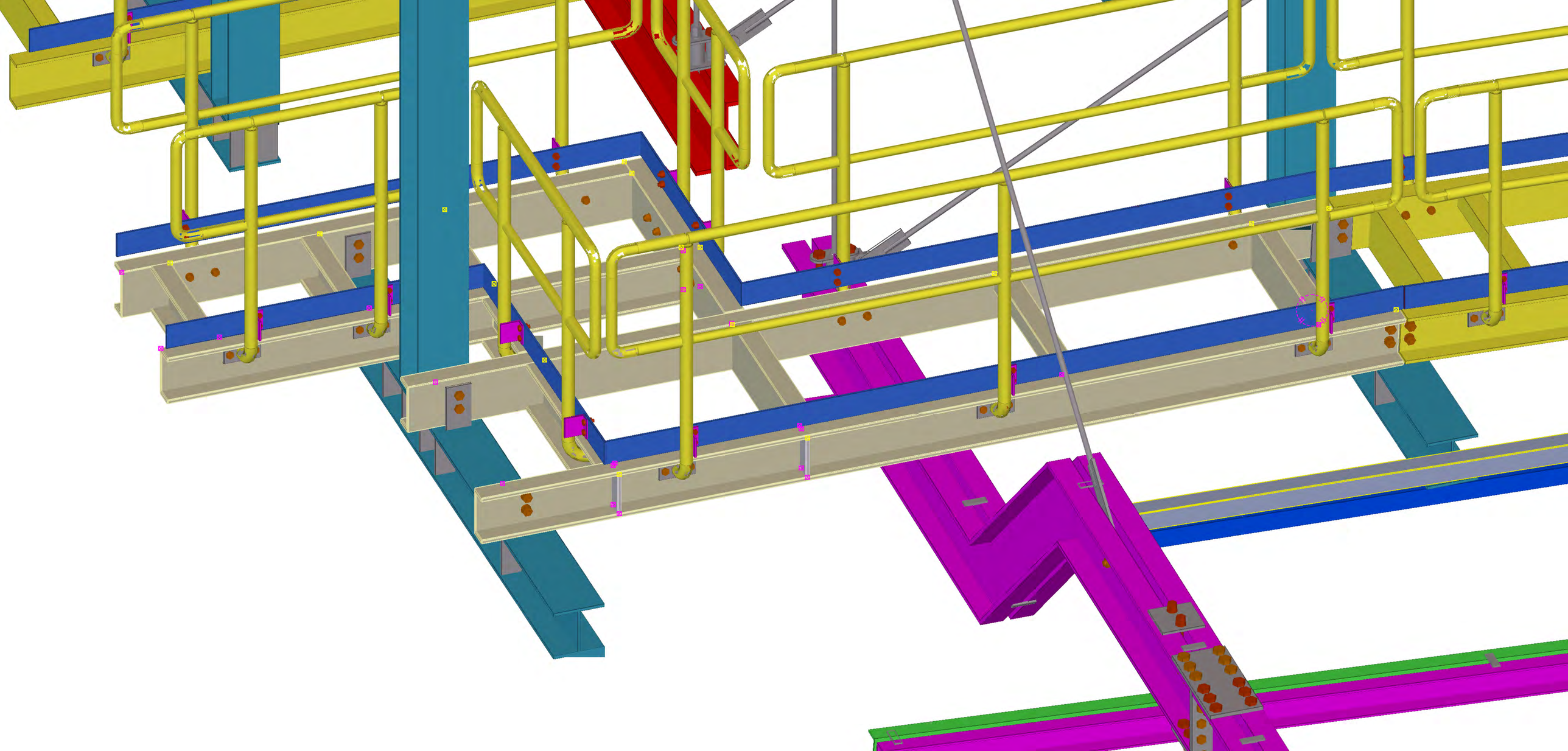
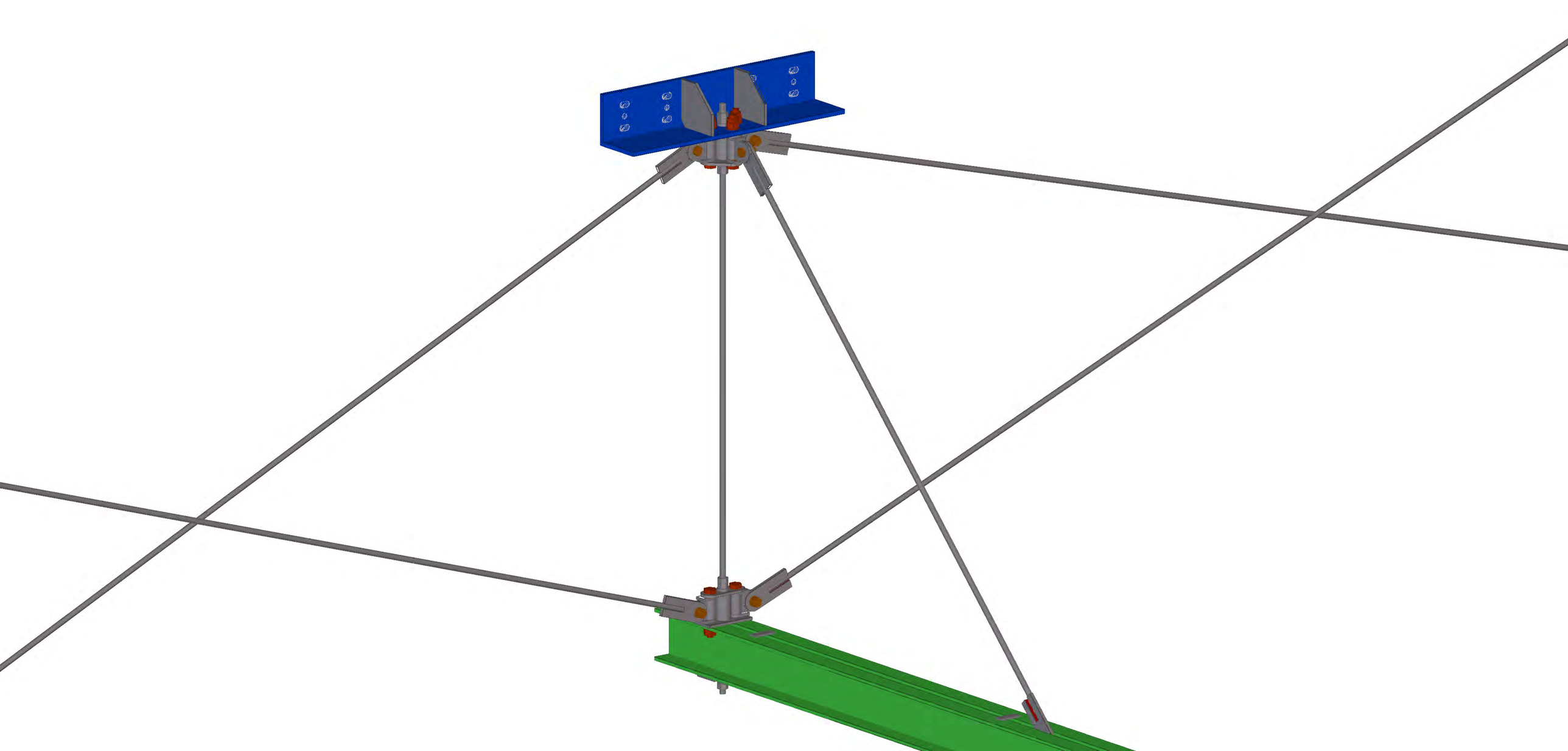


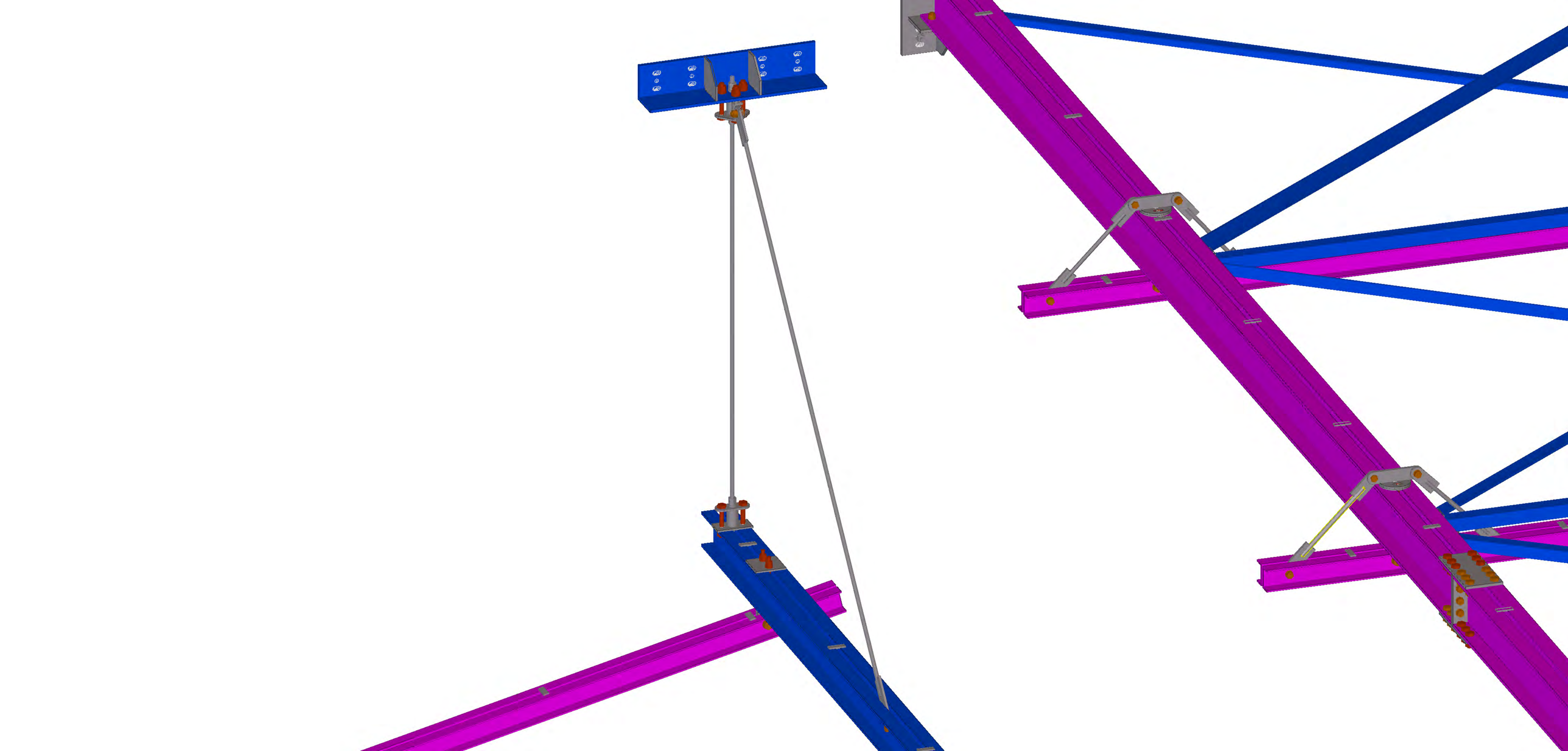


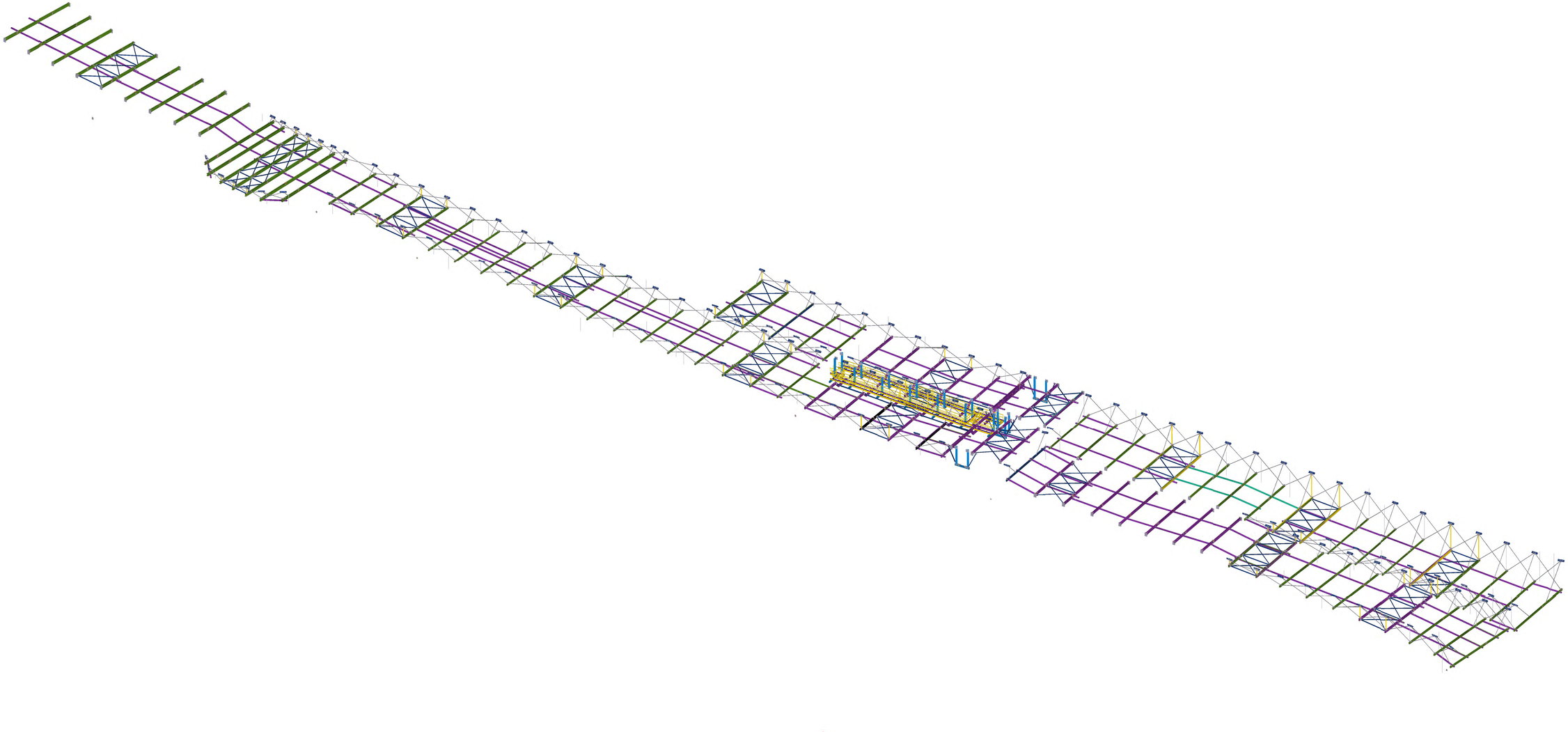


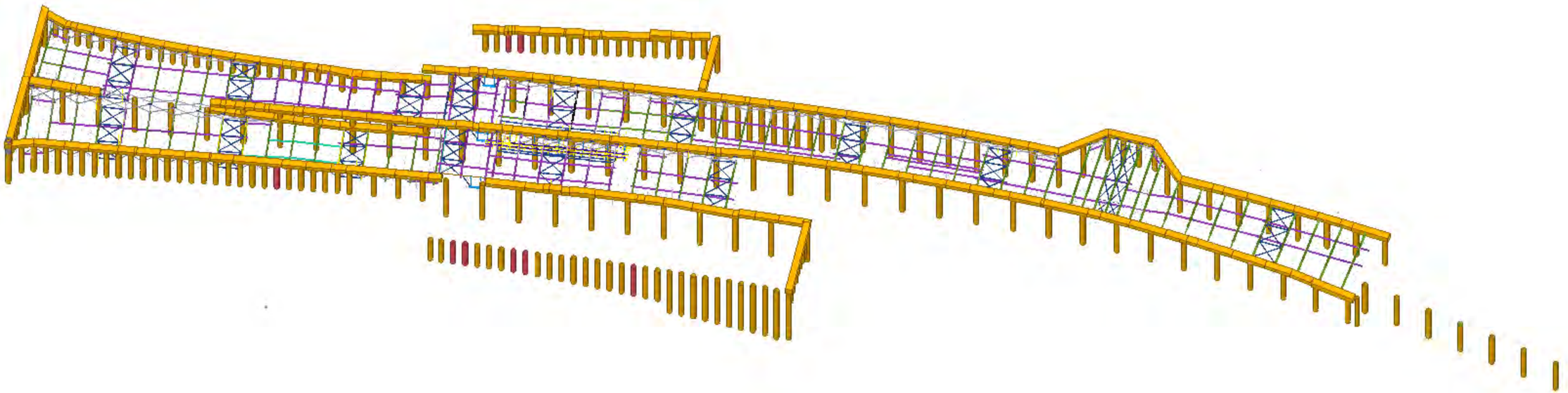


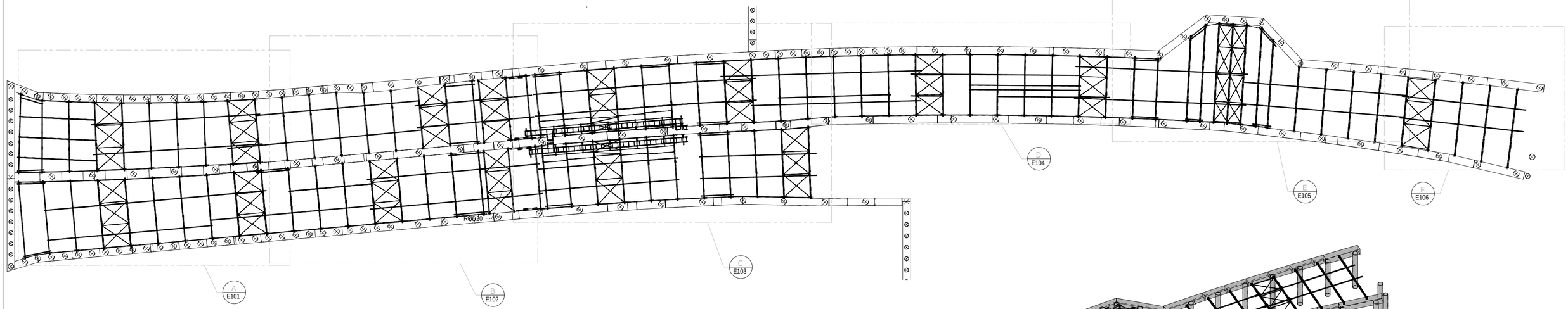




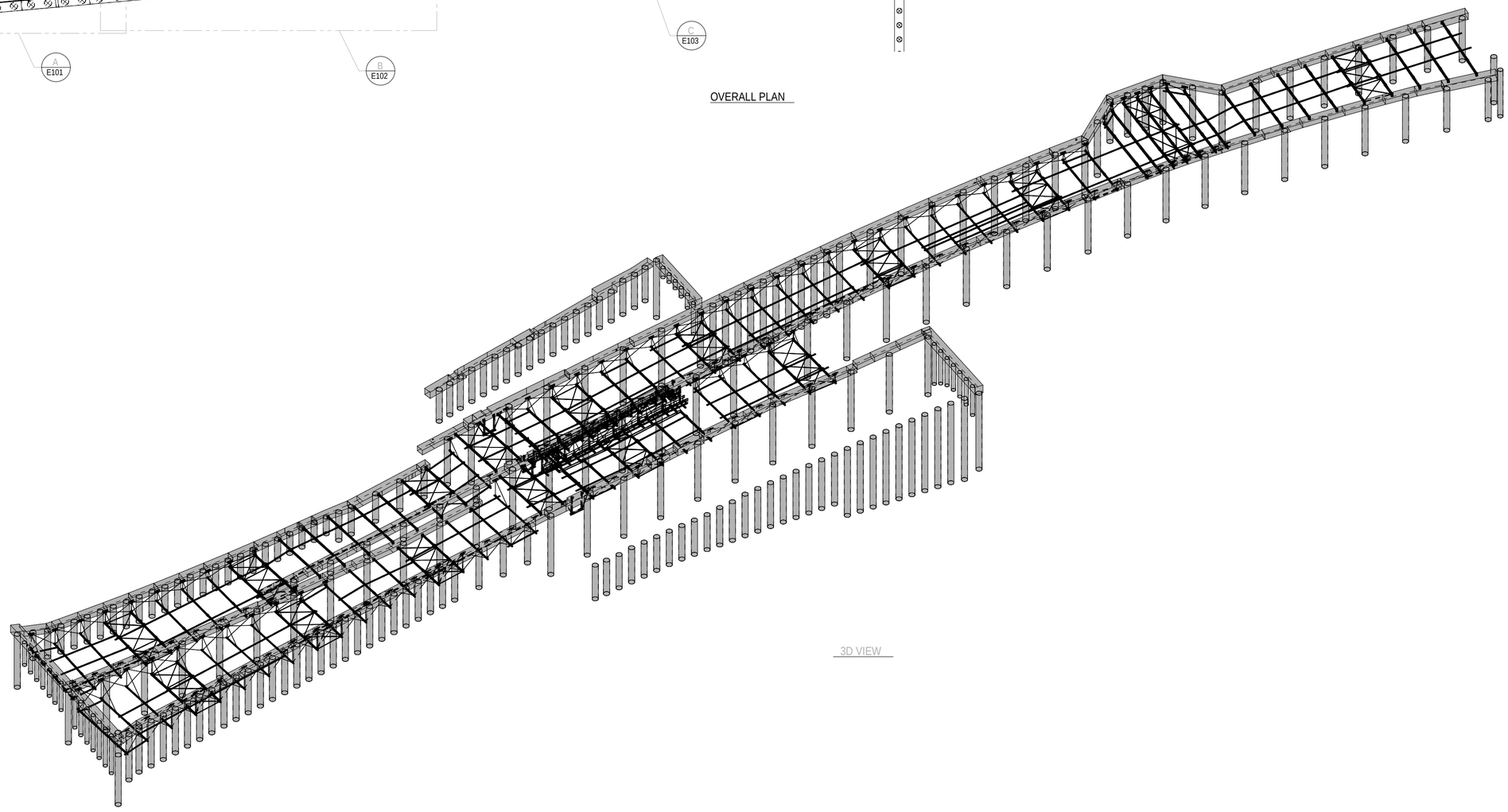








OVERALL PLAN



3D VIEW

TOLERANCE (U.O.N.):

<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:

ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:

- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			FOR CONSTRUCTION
1			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT DRAWING No:

CUST. REV.

CLIENT / PROJECT

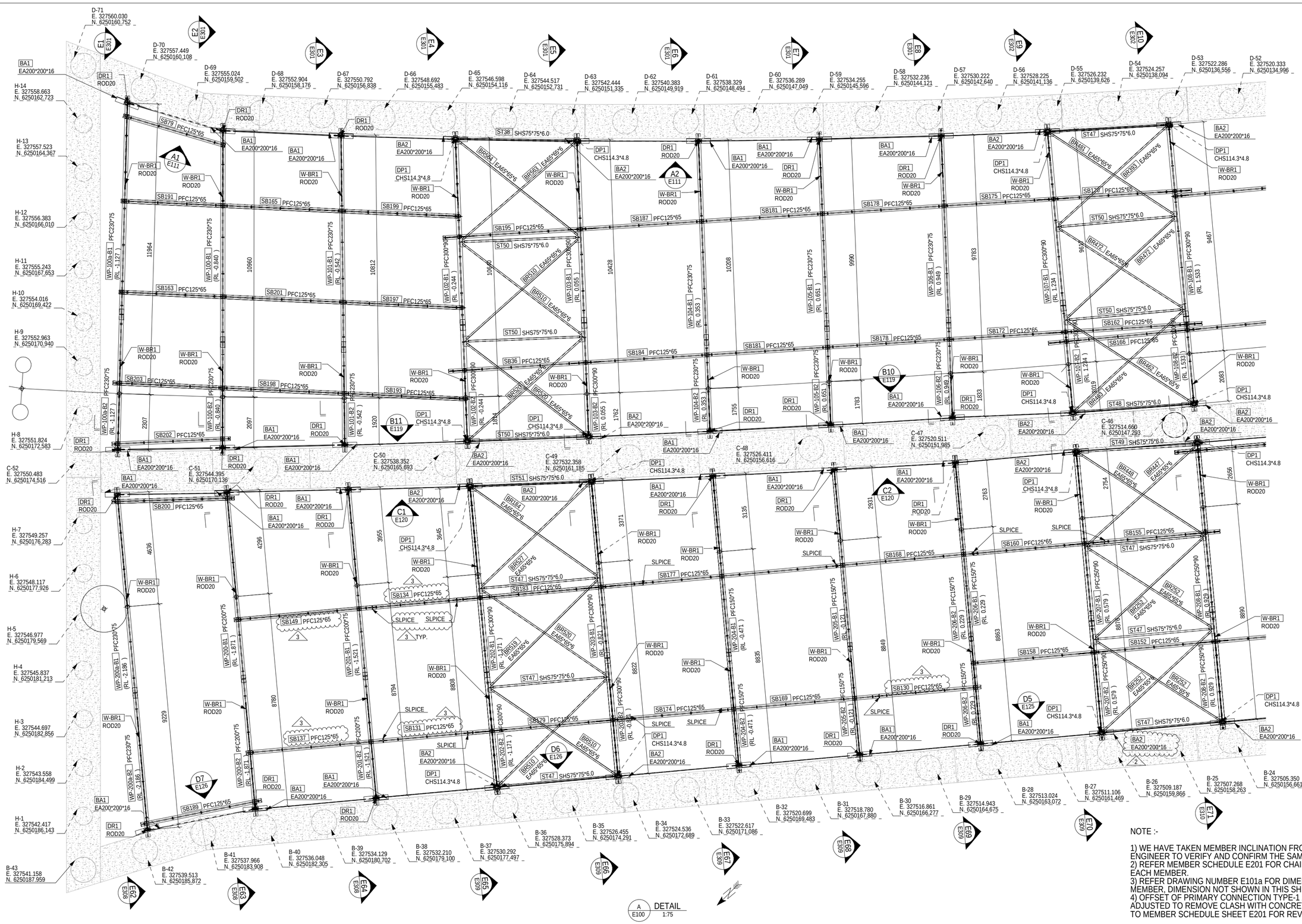
SCALE 1:350

REV. 1

FILE No. (SHEET No)

TITLE SECONDARY SUPPORT STRUCTURE FRAMING KEY PLAN

DRAWING No. E100



NOTE :-

1) WE HAVE TAKEN MEMBER INCLINATION FROM IFC MODEL ENGINEER TO VERIFY AND CONFIRM THE SAME.
2) REFER MEMBER SCHEDULE E201 FOR CHAINAGE OF EACH MEMBER.
3) REFER DRAWING NUMBER E101a FOR DIMENSION OF EACH MEMBER, DIMENSION NOT SHOWN IN THIS SHEET FOR CLARITY.
4) OFFSET OF PRIMARY CONNECTION TYPE-1 ANGLE 200x16EA ADJUSTED TO REMOVE CLASH WITH CONCRETE BEAM REFER TO MEMBER SCHEDULE SHEET E201 FOR REVISED OFFSET DIMENSION.

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0, 3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR CONSTRUCTION
1			REVISED AS PER COMMENT
2			REVISED AS PER COMMENT
3			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT DRAWING No:

CUST. REV.

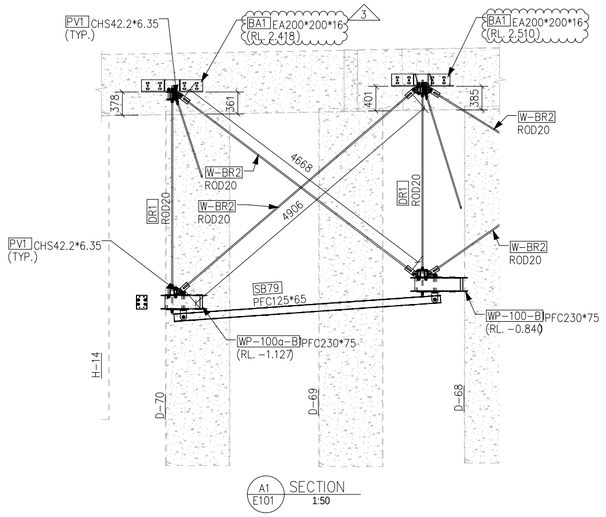
CLIENT / PROJECT

SCALE 1:75 | REV. 3 | A1

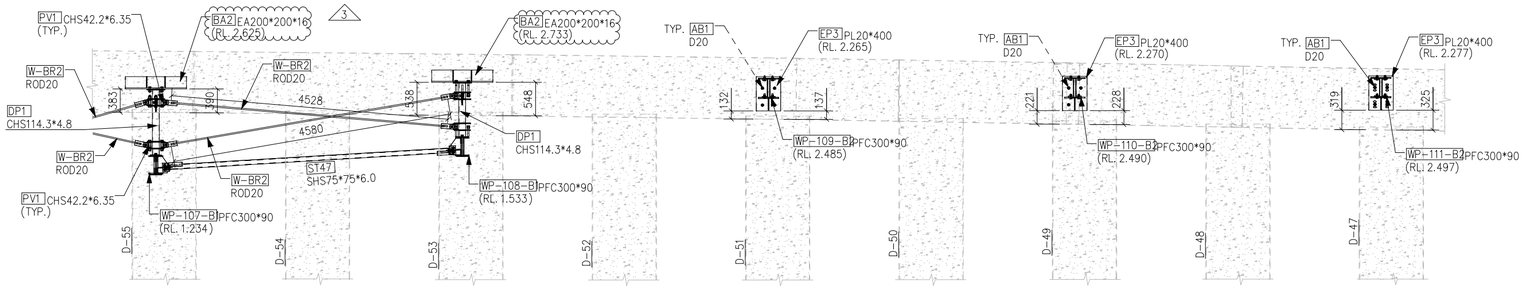
FILE No. (SHEET No) SHEET 1 OF 12

TITLE SECONDARY SUPPORT STRUCTURE ENLARGED PLAN

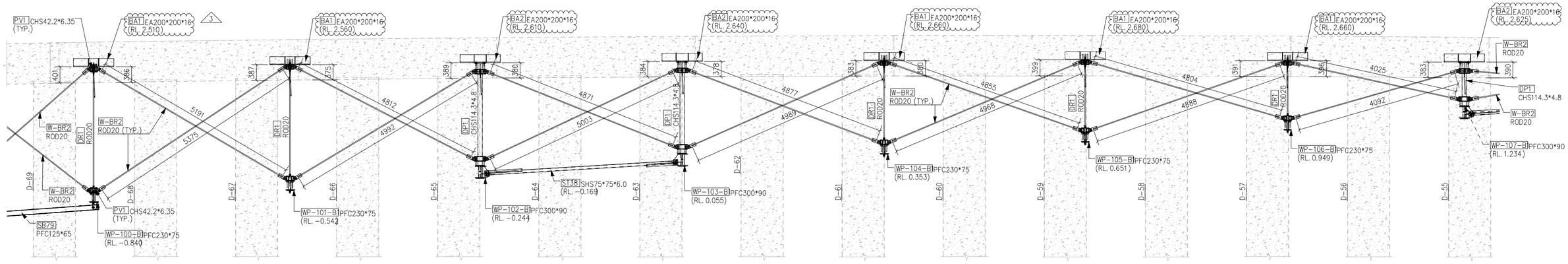
DRAWING No. E101



A1 E101 SECTION 1:50



A3 E102 SECTION 1:50



A2 E101 SECTION 1:50

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR CONSTRUCTION
1			REVISED AS PER COMMENT
2			REVISED AS PER COMMENT
3			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT DRAWING No:

CUST. REV.

CLIENT / PROJECT

SCALE 1:50

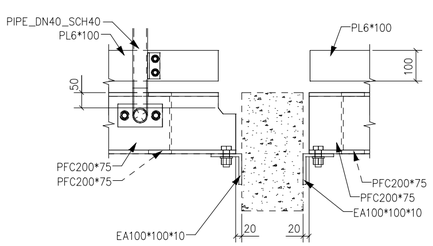
REV. 3

A1

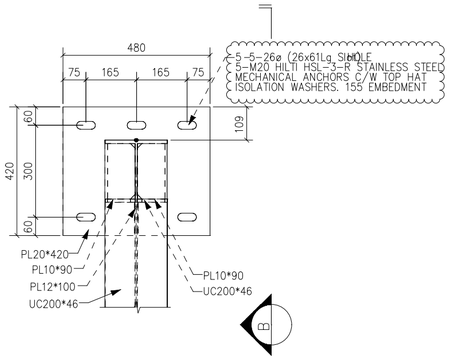
FILE No. (SHEET No)

TITLE ELEVATION

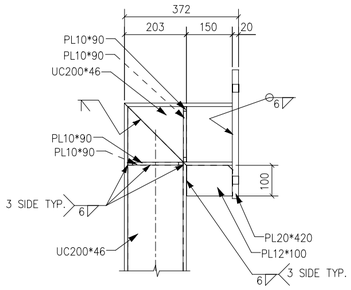
DRAWING No. E111



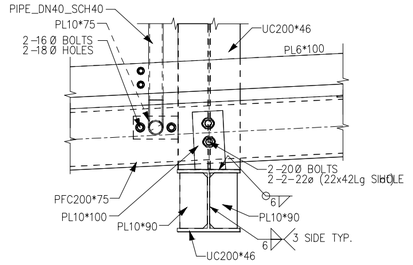
4 / E131 DETAIL SCALE :1:10



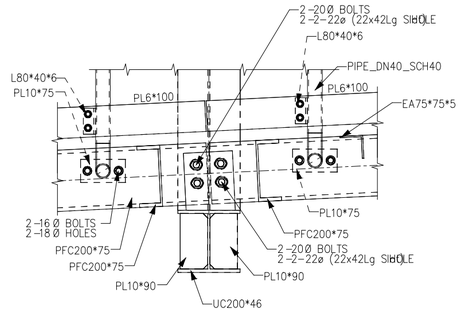
5 / E131 SECTION SCALE :1:10



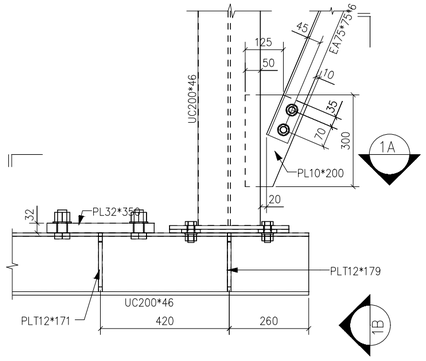
B SECTION SCALE :1:10



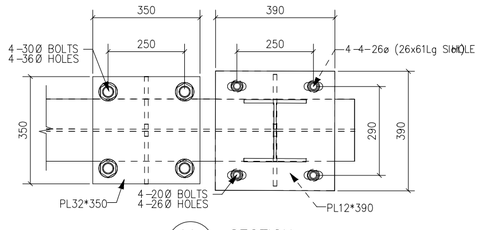
6 / E131 SECTION SCALE :1:10



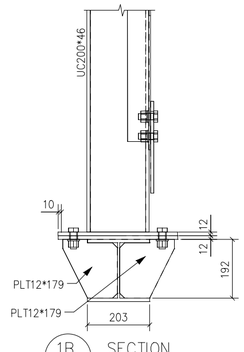
7 / E131 SECTION SCALE :1:10



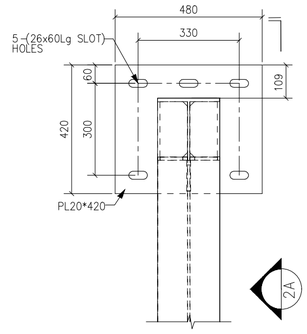
1 / E128 DETAIL SCALE :1:10



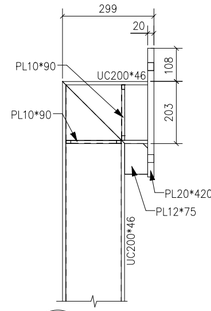
1A SECTION SCALE :1:10



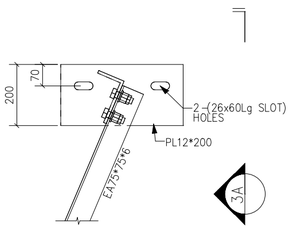
1B SECTION SCALE :1:10



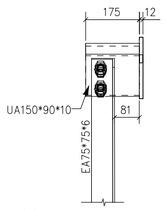
2 / E128 DETAIL SCALE :1:10



2A SECTION SCALE :1:10



3 / E128 SECTION SCALE :1:10



3A SECTION SCALE :1:10

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 = ±3.0
3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR CONSTRUCTION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT DRAWING No:

CUST. REV.

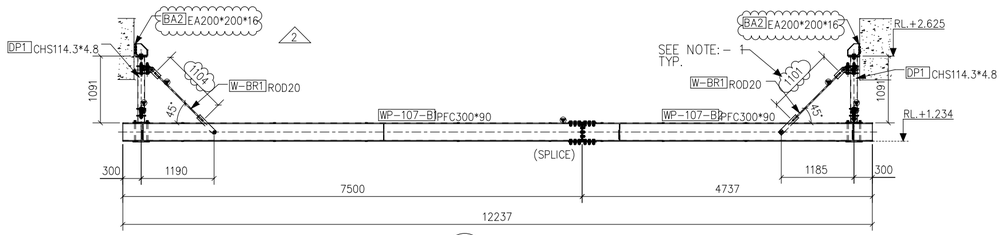
CLIENT / PROJECT

SCALE 1:10 | REV. 0 | A1

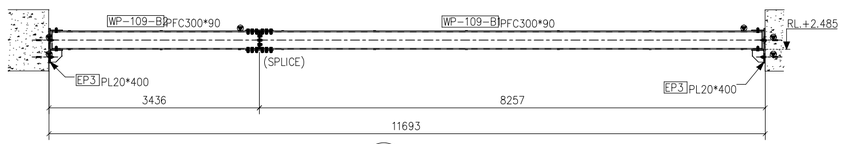
FILE No. (SHEET No)

TITLE SECTION & DETAILS

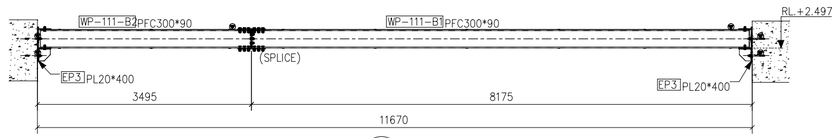
DRAWING No. E154



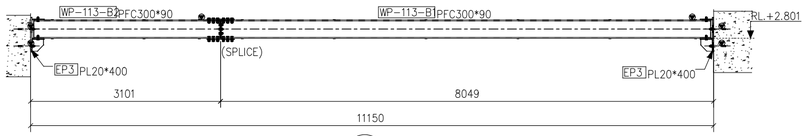
E9 / E101 SECTION 1:50



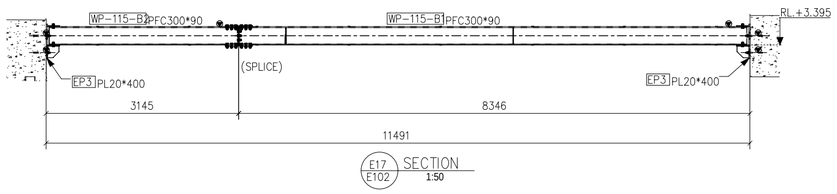
E11 / E102 SECTION 1:50



E13 / E102 SECTION 1:50



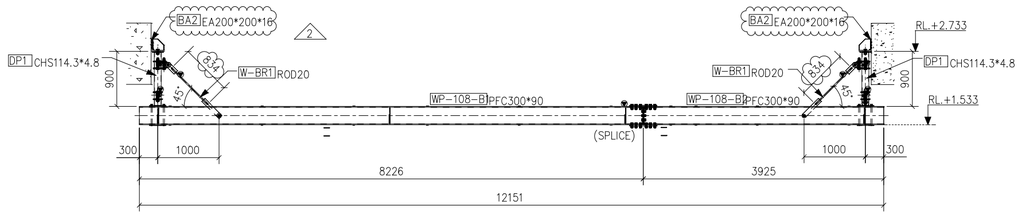
E15 / E102 SECTION 1:50



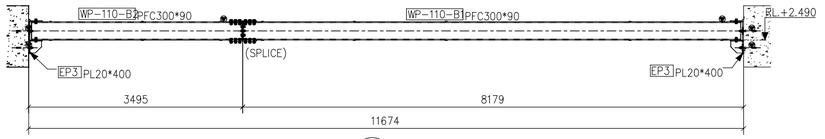
E17 / E102 SECTION 1:50

NOTE:-1

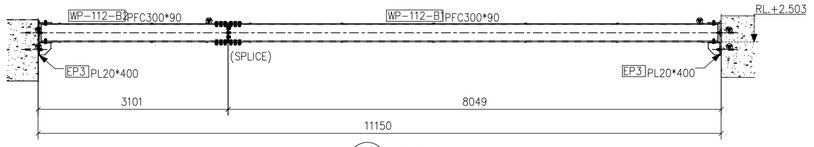
MENTIONED DIMENSION WILL NOT MATCH WITH BOM OF W-BR1 ASSEMBLY DRAWING AS PLATE LENGTH CHANGED MANUALLY, NOT IN MODEL. PLEASE CHECK W-BR1 ASSEMBLY DRAWING BOM FOR CORRECT LENGTH OF W-BR1.



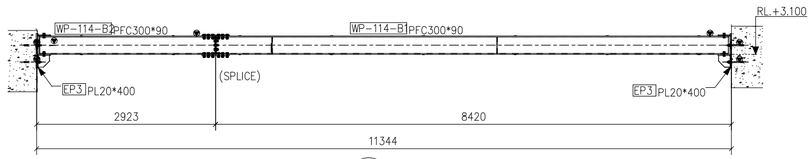
E10 / E101 SECTION 1:50



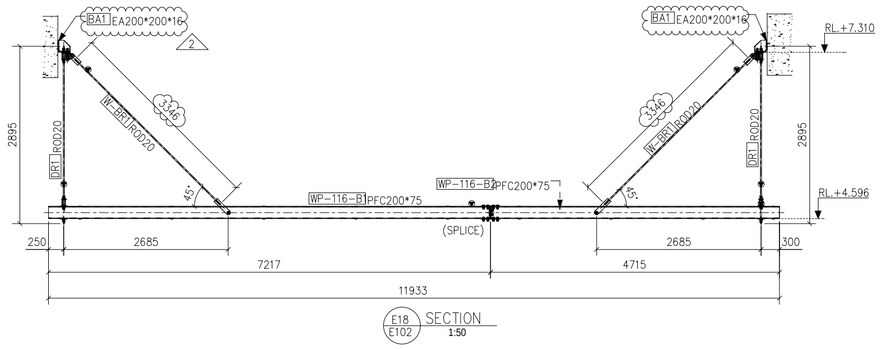
E12 / E102 SECTION 1:50



E14 / E102 SECTION 1:50



E16 / E102 SECTION 1:50



E18 / E102 SECTION 1:50

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 3001 – 6000 = ±4.0, >6001 = ±5.0 HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:

ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6

ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPAITER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR CONSTRUCTION
1			REVISED AS PER COMMENT
2			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT DRAWING No:

CUST. REV.

CLIENT / PROJECT

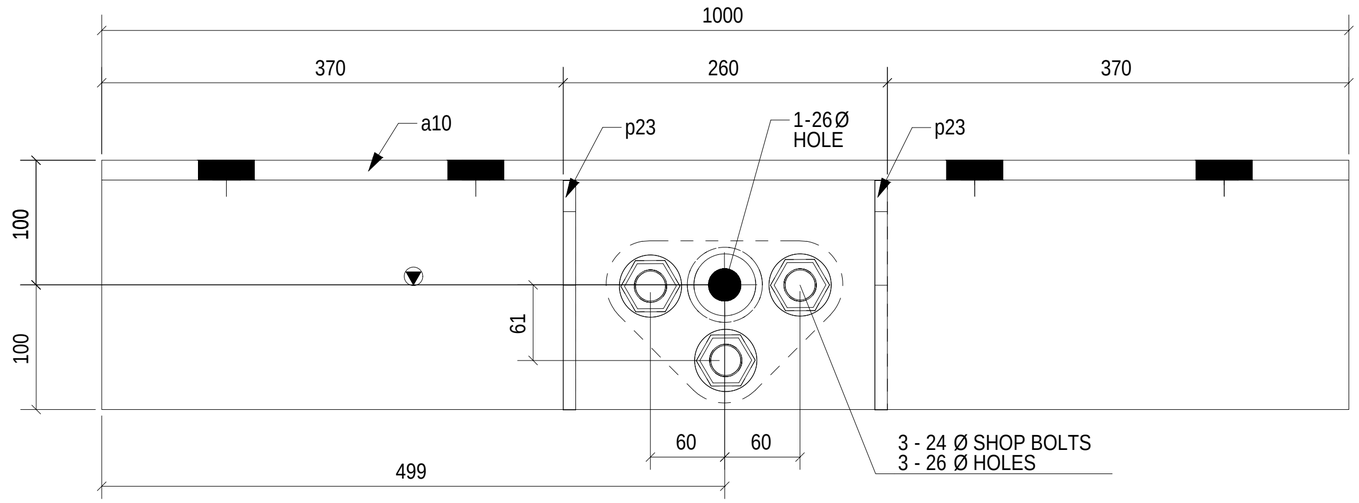
SCALE 1:50 | REV. 2 | A1

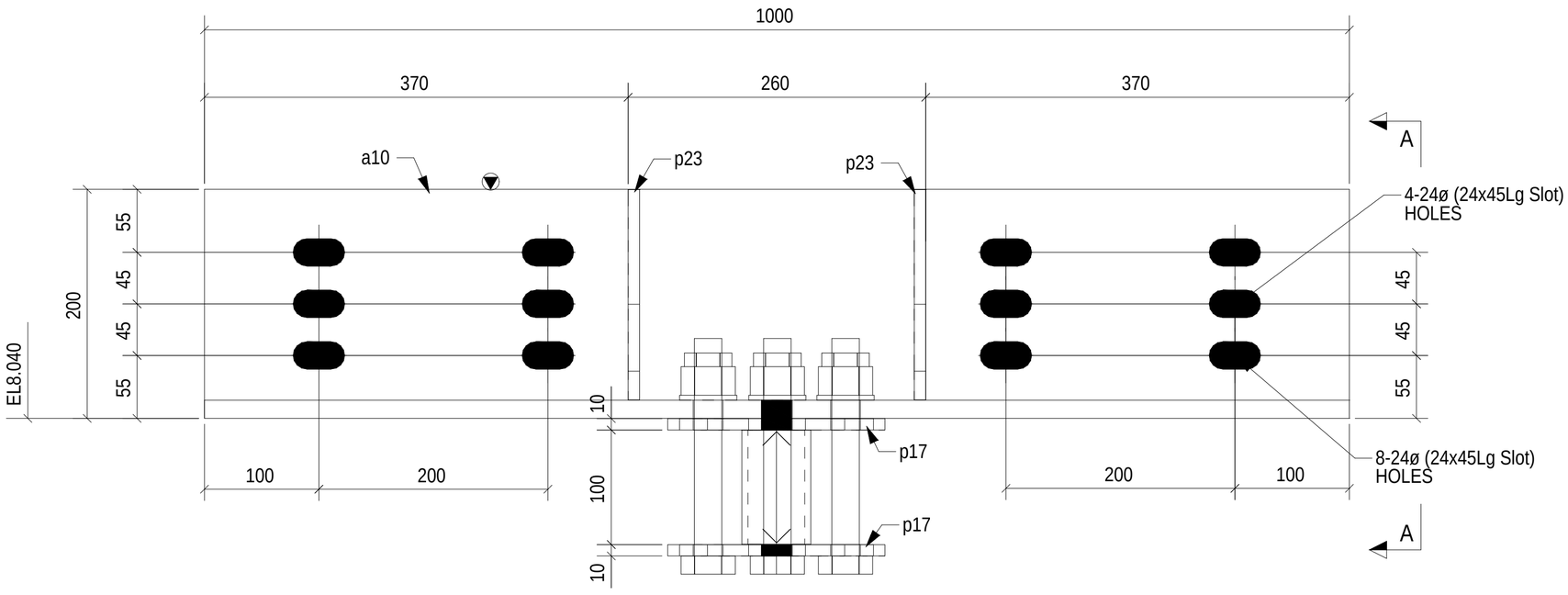
FILE No. (SHEET No)

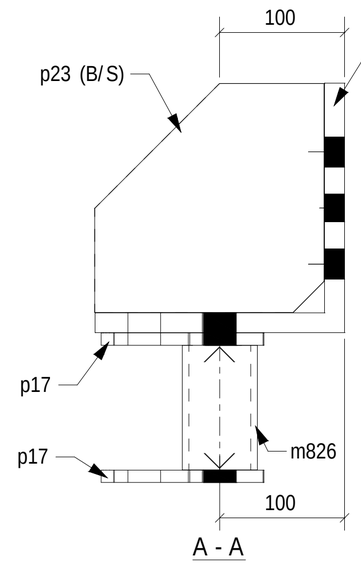
TITLE SECTION

DRAWING No. E302

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m²)
a10	88	EA200*200*16	1000	300	4282.96	34.8
m826	88	CHS60.3*5.4	100	350	64.24	0.8
p17	176	PL10*130	190	300	241.12	3.5
p23	176	PL10*183	184	300	392.48	5.6
				TOTAL:	4980.8	44.7







LEGEND:

1). ▼ ORIENTATION
2). ⟵⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

△1

88 BRACKET ANGLE[S] REQUIRED MK BA1

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0		12/10/21	FOR FABRICATION
1		22/10/21	UPDATED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

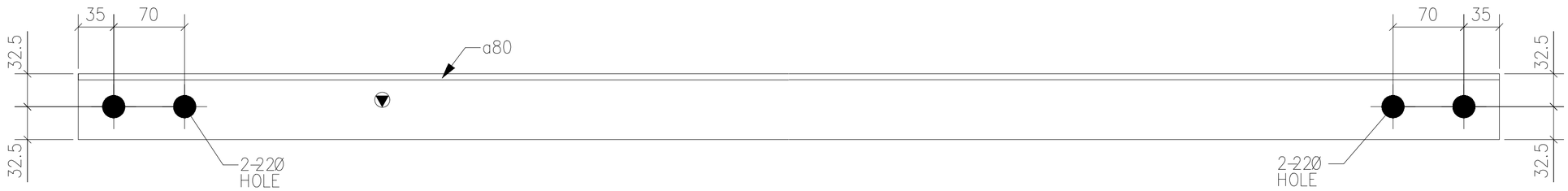
TITLE: BRACKET ANGLE

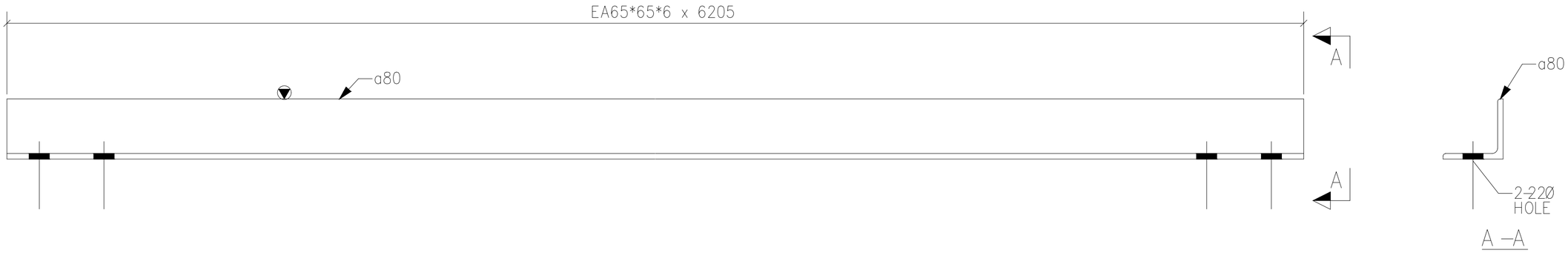
SCALE: 1:5 | REV.: 0 | A3

FILE No. (SHEET No)

DRAWING No.: BA2 | QUANTITY: 88

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m^2)
a80	1	EA65*65*6	6205	300	36.4	1.6
				TOTAL:	36.4	1.6





LEGEND:

1). ▼ ORIENTATION
2). ⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

1 BRACE[S] REQUIRED MK BR5

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0		28/09/21	ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:5 | REV. 0 | A3

FILE No. (SHEET No)

TITLE BRACE

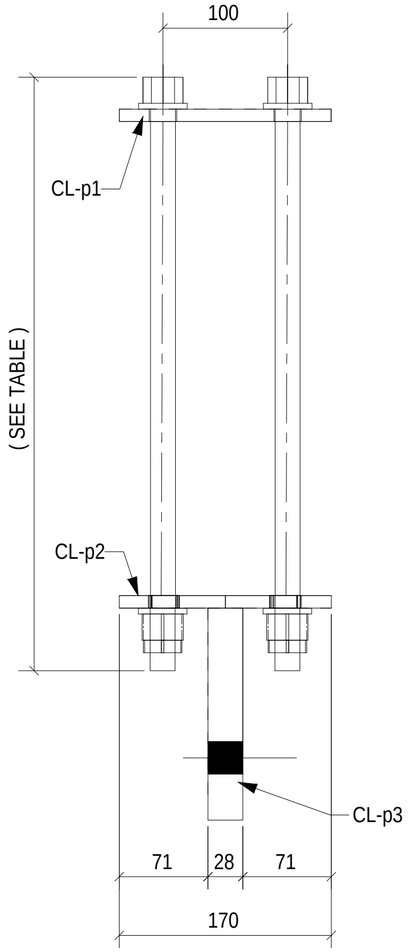
DRAWING No. BR5 | QUANTITY: 1

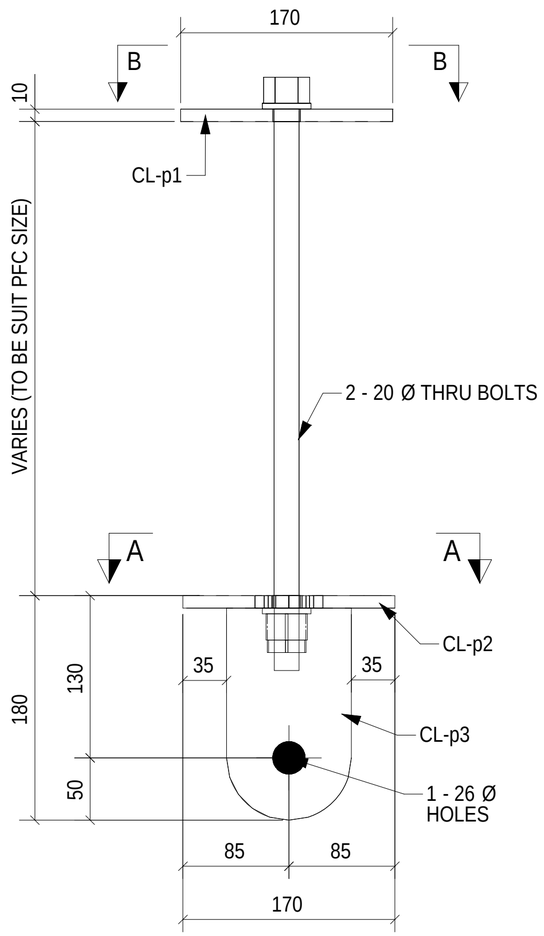
FOR M20 BOLT LENGTH		
PFC PROFILE	BOLT LENGTH	No.OFF
PFC 380	475	16
PFC 300	395	44
PFC 250	345	16
PFC 230	325	60
PFC 200	295	34
PFC 150	245	20

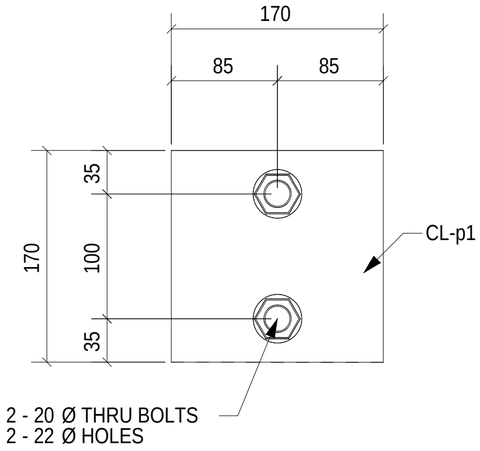
1

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m²)
CL-p1	95	PL10*170	170	300	218.5	0.1
CL-p2	95	PLT10*170	170	250	152	0.0
CL-p3	95	PL28*100	170	300	332.5	0.0
				TOTAL:	703	0.2

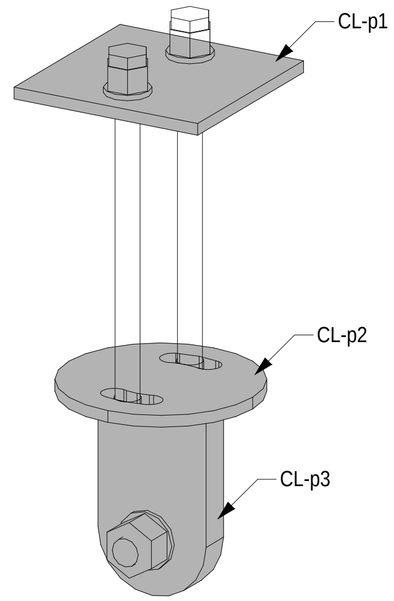
1

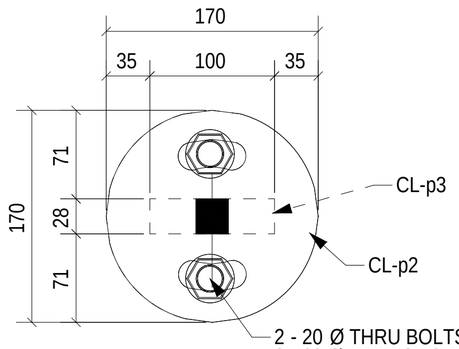






B - B





A - A

LEGEND:

1). ▼ ORIENTATION
2). ⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL = ELEVATION
7). TYP = TYPICAL
8). T.O.S. = TOP OF STEEL
9). B.O.S. = BOTTOM OF STEEL

REFER SEPARATE PART DRAWING FOR EACH SINGLE PIECE.

CLEVIS FRAME REQUIRED MK CF1

Finish - HDG

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0, 3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0		12/10/21	ISSUED FOR FABRICATION
1		02/11/21	REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:5 | REV. 1 | A3

FILE No. (SHEET No)

TITLE: TYPE - A CLEVIS FRAME

DRAWING No. CF1 | QUANTITY: 95

PART LIST OF DROPPER PIPE						
ITEM	No.OFF	LENGTH	SECTION	GRADE	WEIGHT(kg)	AREA(m)2
PLATE - A	96	217	PL12*205	300	230.4	0.3
PLATE - B	96	253	PL12*150	300	155.52	0.2
PLATE - C	96	270	PL12*180	300	438.72	0.4
PLATE - D	48	282	PL16*180	300	148.8	0.1
				TOTAL:	973.44	1

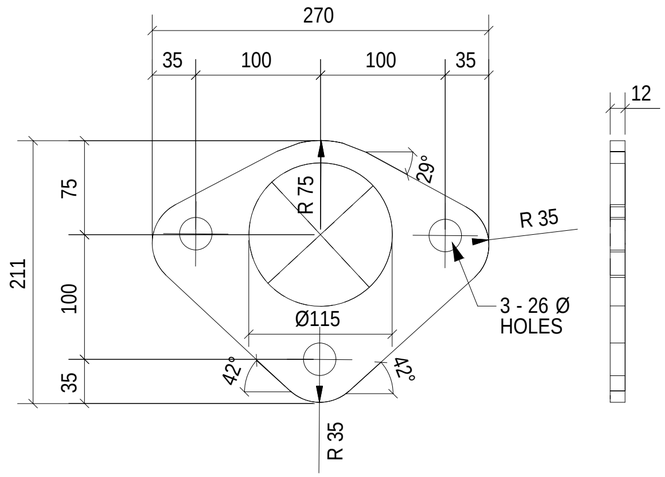


PLATE-A

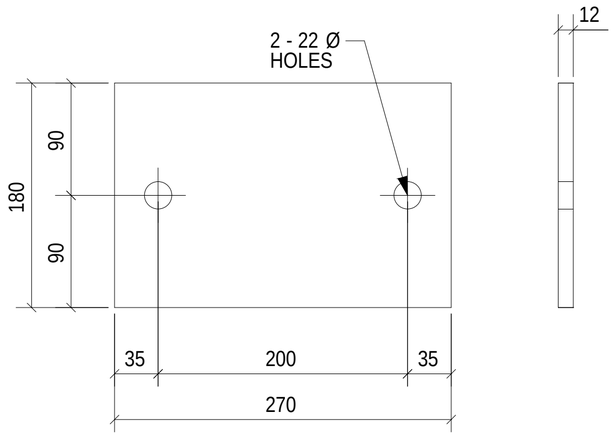


PLATE-C

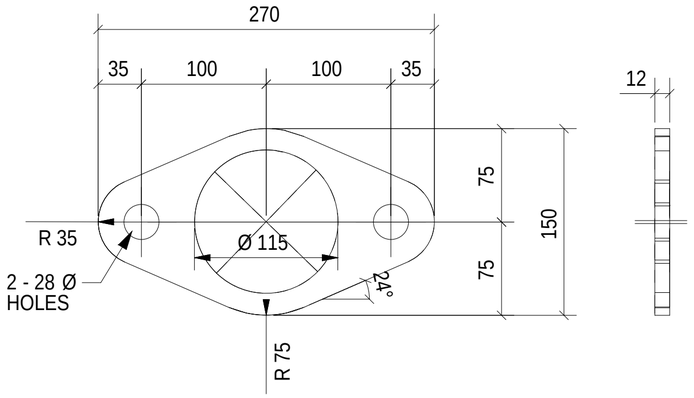


PLATE-B

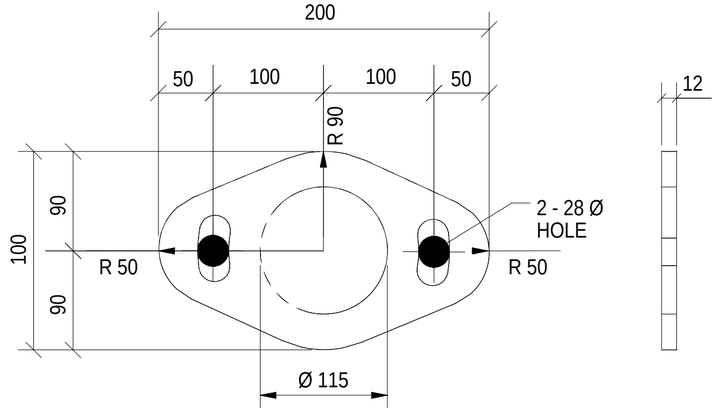


PLATE-D

TYPICAL DROPPER PIPE[S] MK DP1-1

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0, 3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0		12/10/21	ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

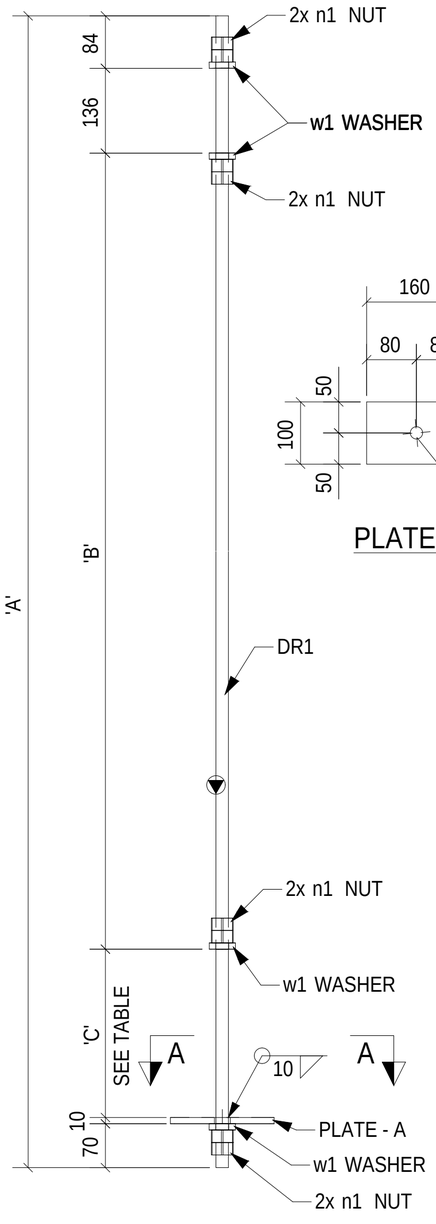
SCALE 1:10 | REV. 0 | A3

FILE No. (SHEET No)

TITLE DROPPER PIPE

DRAWING No. DP1

QUANTITY: -



DROPPER ROD[S] DR1
Finish - HDG

ASSEMBLY LIST FOR DROPPER ROD

ITEM	No.OFF	'A'	'B'	SECTION	GRADE	WEIGHT(kg)	AREA(m)2
	1	1275	475	ROD20	300	5.8	0.2
	1	1341	541	ROD20	300	5.9	0.2
	1	1289	489	ROD20	300	5.8	0.2
	1	1640	840	ROD20	300	6.6	0.2
	1	1484	684	ROD20	300	6.2	0.2
	1	1709	909	ROD20	300	6.7	0.2
	1	1903	1233	ROD20	300	7.2	0.2
	1	1759	959	ROD20	300	6.8	0.2
	1	1759	959	ROD20	300	6.8	0.2
	1	1942	1272	ROD20	300	7.2	0.2
	1	3725	3075	ROD20	300	11.2	0.3
	2	1946	1276	ROD20	300	14.5	0.2
	1	2286	1666	ROD20	300	8	0.2
	1	2332	1712	ROD20	300	8.1	0.2
	1	2290	1670	ROD20	300	8	0.2
	1	2316	1696	ROD20	300	8.1	0.2
	1	2336	1716	ROD20	300	8.1	0.2
	1	2373	1753	ROD20	300	8.2	0.2
	1	2321	1701	ROD20	300	8.1	0.2
	1	2378	1758	ROD20	300	8.2	0.2
	2	2373	1753	ROD20	300	16.4	0.2
	2	2348	1728	ROD20	300	16.3	0.2
	2	2312	1692	ROD20	300	16.1	0.2
	1	2338	1688	ROD20	300	8.1	0.2
	1	2317	1697	ROD20	300	8.1	0.2
	1	2416	1766	ROD20	300	8.3	0.2
	2	2341	1721	ROD20	300	16.3	0.2
	1	2332	1712	ROD20	300	8.1	0.2
	1	2338	1688	ROD20	300	8.1	0.2
	1	2495	1845	ROD20	300	8.5	0.2
	1	2416	1766	ROD20	300	8.3	0.2
	1	2660	1940	ROD20	300	8.8	0.2
	1	2495	1845	ROD20	300	8.5	0.2
	1	2291	1571	ROD20	300	8	0.2
	1	2570	1950	ROD20	300	8.6	0.2
	1	3510	2790	ROD20	300	10.7	0.3
	1	3510	2790	ROD20	300	10.7	0.3
	1	3461	2741	ROD20	300	10.6	0.3
	1	2430	1810	ROD20	300	8.3	0.2
	1	3461	2741	ROD20	300	10.6	0.3
DR1	1	2573	1853	ROD20	300	8.6	0.2
	1	2610	1890	ROD20	300	8.7	0.2
	1	2573	1853	ROD20	300	8.6	0.2
	1	2711	1991	ROD20	300	9	0.2
	1	3664	2944	ROD20	300	11.1	0.3
	1	3664	2944	ROD20	300	11.1	0.3
	1	3620	2900	ROD20	300	11	0.3
	1	3620	2900	ROD20	300	11	0.3
	1	3761	3191	ROD20	300	11.3	0.3
	1	2834	2114	ROD20	300	9.2	0.3
	1	3996	3346	ROD20	300	11.8	0.3
	1	2760	2040	ROD20	300	9.1	0.3

ITEM	No.OFF	'A'	'B'	SECTION	GRADE	WEIGHT(kg)	AREA(m)2
	1	3761	3191	ROD20	300	11.3	0.3
	1	4156	3506	ROD20	300	12.2	0.3
	2	2895	2275	ROD20	300	18.7	0.3
	1	4211	3561	ROD20	300	12.3	0.3
	1	3971	3321	ROD20	300	11.7	0.3
	1	4416	3766	ROD20	300	12.7	0.4
	1	1086	436	ROD20	300	5.3	0.1
	1	4936	4366	ROD20	300	13.9	0.4
	1	4984	4414	ROD20	300	14	0.4
	1	2616	2046	ROD20	300	8.7	0.2
	1	5041	4471	ROD20	300	14.1	0.4
	1	1891	1241	ROD20	300	7.1	0.2
	1	2984	2414	ROD20	300	9.6	0.3
	1	2209	1559	ROD20	300	7.8	0.2
	1	3321	2751	ROD20	300	10.3	0.3
	1	1891	1241	ROD20	300	7.1	0.2
	1	2487	1837	ROD20	300	8.5	0.2
	1	5261	4641	ROD20	300	14.6	0.4
	1	2209	1559	ROD20	300	7.8	0.2
	1	5381	4761	ROD20	300	14.9	0.4
	1	2487	1837	ROD20	300	8.5	0.2
	1	5496	4846	ROD20	300	15.1	0.4
	1	4218	3598	ROD20	300	12.3	0.3
	1	3282	2632	ROD20	300	10.2	0.3
	1	4524	3904	ROD20	300	13	0.4
	1	3530	2880	ROD20	300	10.8	0.3
	1	4739	4089	ROD20	300	13.5	0.4
	1	3282	2632	ROD20	300	10.2	0.3
	1	3815	3165	ROD20	300	11.4	0.3
	1	3530	2880	ROD20	300	10.8	0.3
TOTAL:	88					821.8	20.7

PART LIST OF DROPPER ROD

ITEM	No.OFF	LENGTH	SECTION	GRADE	WEIGHT(kg)	AREA(m)2
PLATE - A	88	160	PL10*100	300	114.4	0.1
n1	704	20	M20_NUT	300	105.6	0.1
w1	352	10	M20_WASHER	300	35.27	0.1
				TOTAL:	255.27	0.3

TABLE FOR DIM 'C'

PFC PROFILE	No.OFF	DIM 'C'
PFC380	8	500
PFC300	16	420
PFC250	4	370
PFC230	26	350
PFC200	26	320
PFC150	8	270
TOTAL:	88	

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

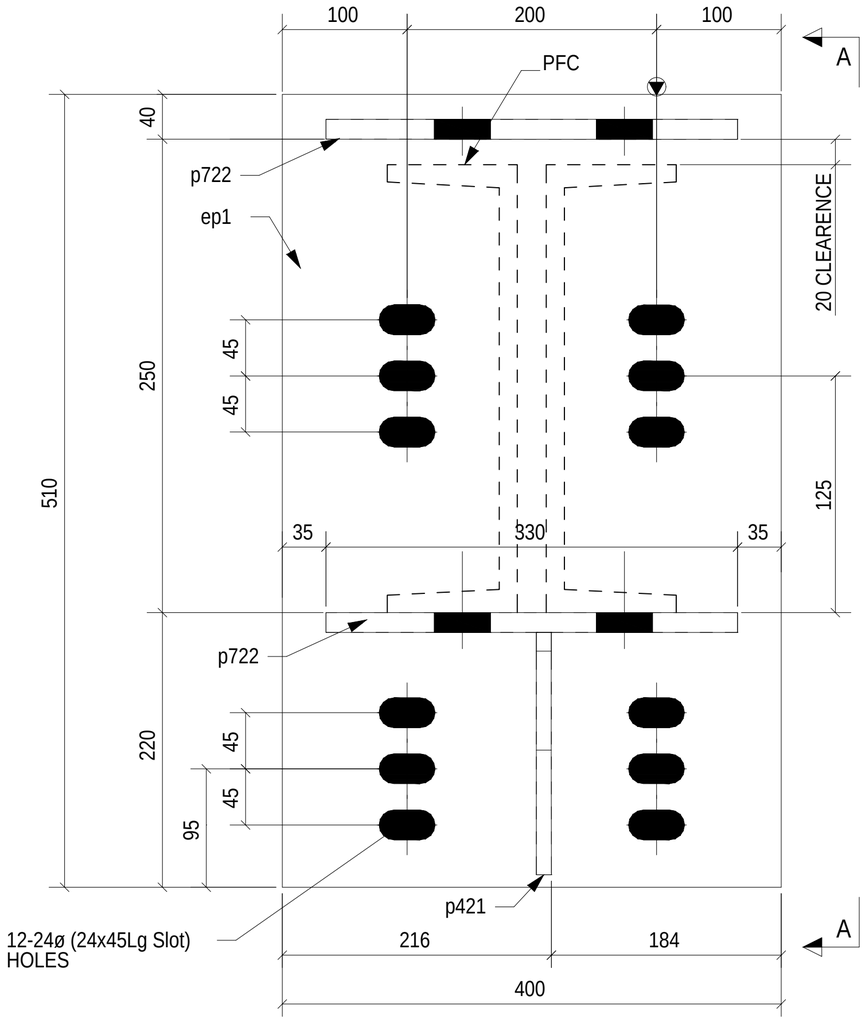
CLIENT / PROJECT

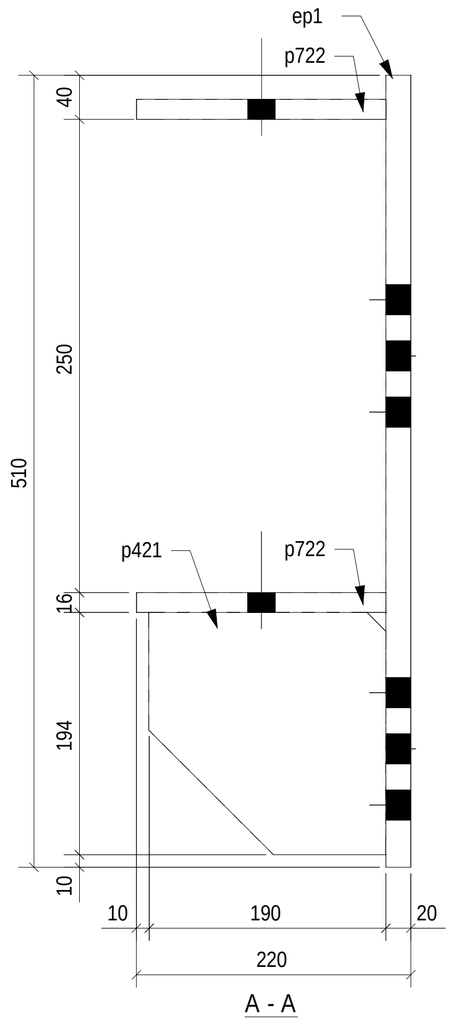
SCALE 1:10 | REV. 0

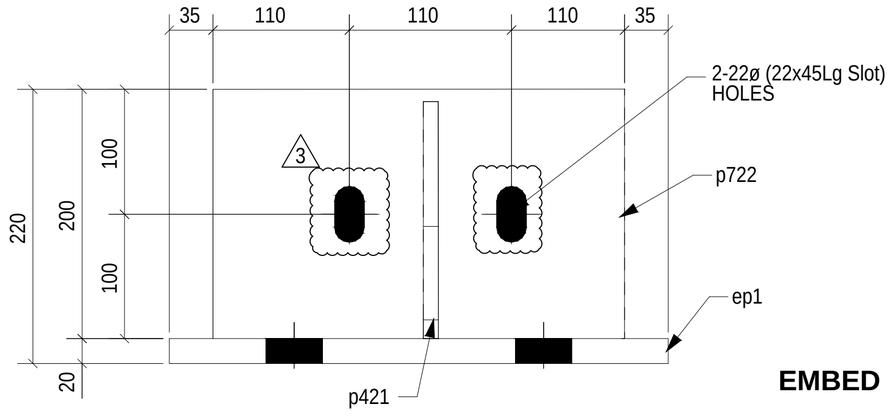
FILE No. (SHEET No)

TITLE TYPICAL DROPPER ROD ASSEMBLY

DRAWING No. DR1 | QUANTITY: -







EMBED PLATE EP1 ASSEMBLY DRAWING FOR PFC 230

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m²)
p421	4	PL12*190	194	300	12.0	0.1
ep1	4	PL20*400	510	300	128	0.5
p722	8	PL16*200	330	300	66.4	0.1
				TOTAL:	206.4	0.8

LEGEND:

1). ▼ ORIENTATION
2). ⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION
1			REVISED AS PER COMMENT
2			CLOUDED MARKED UPDATED
3			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:5 | REV. 2 | A3

FILE No. (SHEET No)

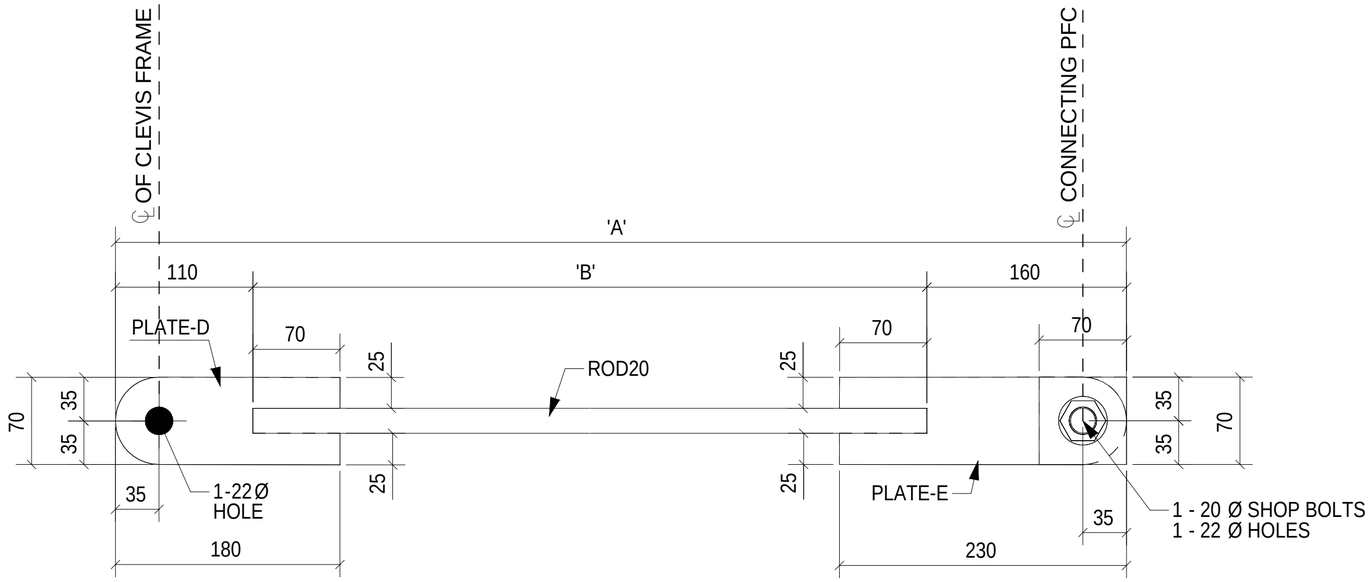
TITLE: EMBED PLATE EP1 ASSEMBLY DRAWING

DRAWING No. EP1 | QUANTITY: 4

PART LIST OF FLY BRACES

ITEM	No.OFF	'A'	'B'	SECTION	GRADE		WEIGHT(kg)	AREA(m)2
PLATE - D	159	-	180	PL10*70	300		135.15	0.1
PLATE - E	159	-	230	PL10*70	300		174.9	0.1
PLATE - F	159	-	70	PL16*70	300		119.25	0.1
					TOTAL:		429.3	0.3

1



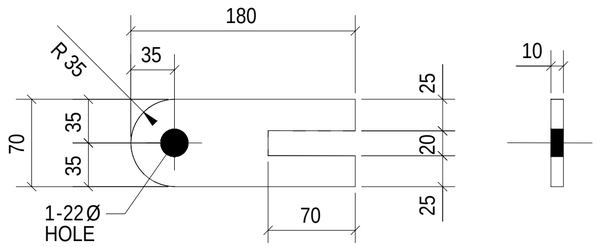


PLATE - D

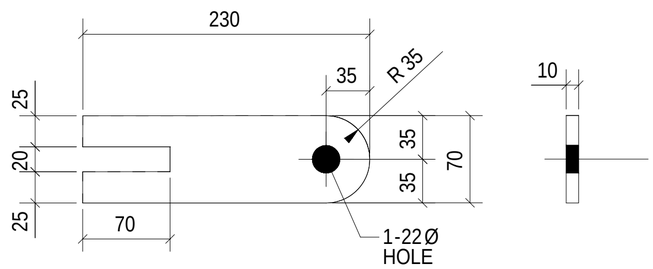


PLATE - E

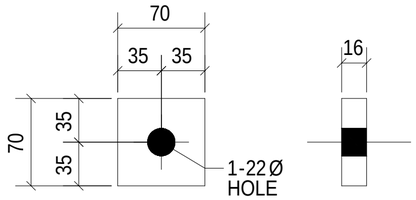


PLATE - F

TYPICAL FLY BRACE FB-01
Finish - HDG

PLEASE REFER SHEET FB-01-01
FOR ASSEMBLY BOM LIST

LEGEND:

1). ▼ ORIENTATION
2). ⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			FOR FABRICATION
1			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

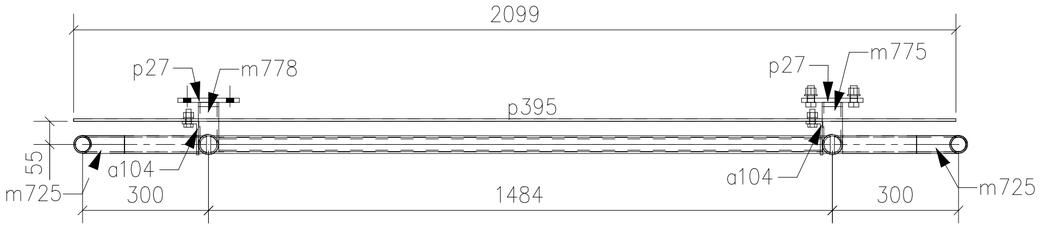
SCALE 1:5 | REV. | A3

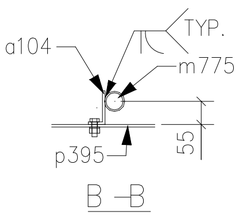
FILE No. (SHEET No)

TITLE: FLY BRACE

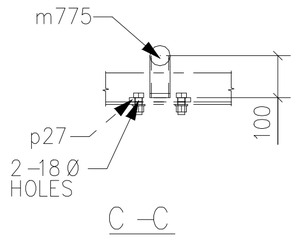
DRAWING No. FB-01 | QUANTITY: -

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m²)
a104	2	L80*40*6	85	300	0.9	0.0
m725	4	PIPE_DN32_SCH40	178	250	2.4	0.1
m726	2	PIPE_DN32_SCH40	176	250	1.2	0.0
m727	2	PIPE_DN32_SCH40	257	250	1.7	0.1
m728	2	PIPE_DN32_SCH40	195	250	1.3	0.1
m737	1	PIPE_DN32_SCH40	1474	250	5.0	0.2
m775	1	PIPE_DN40_SCH40	1091	250	4.4	0.2
m778	1	PIPE_DN40_SCH40	1091	250	4.4	0.2
m844	1	PIPE_DN25_SCH40	1436	250	3.6	0.1
p27	2	PL10*75	146	250	1.7	0.1
p395	1	PL6*100	2099	250	9.9	0.4
				TOTAL:	36.5	1.5

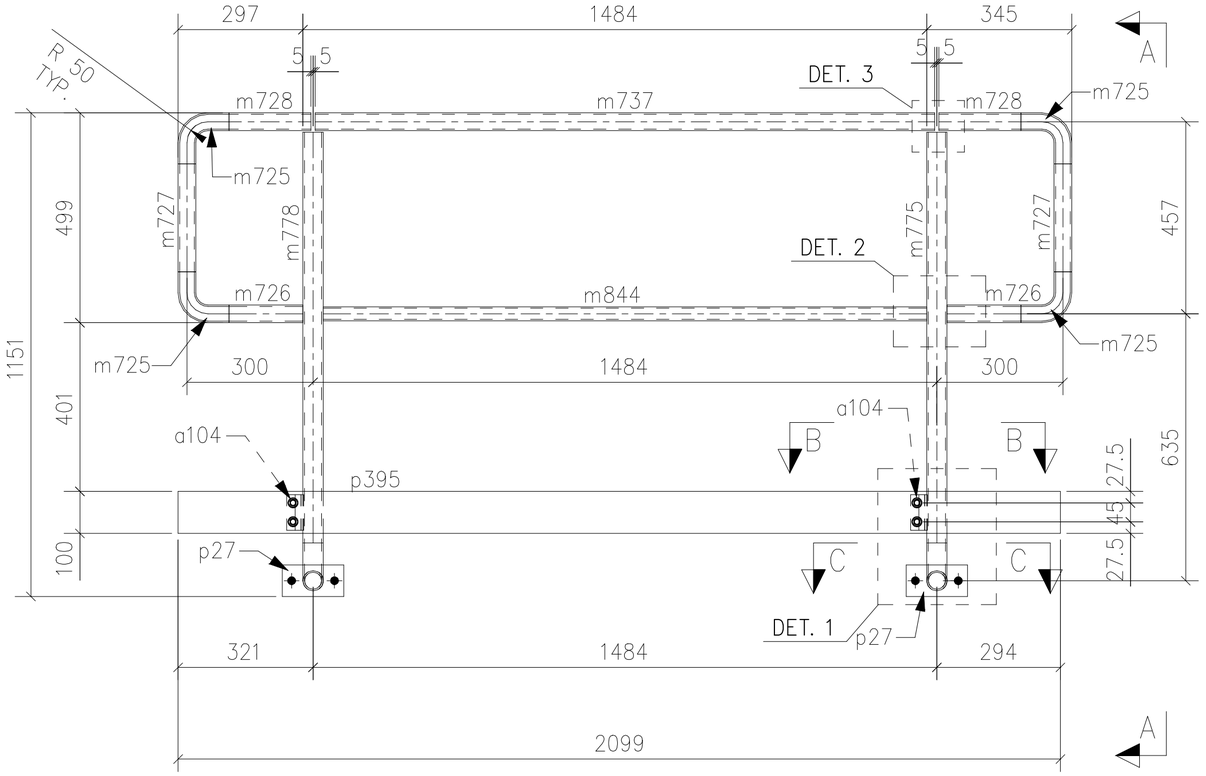


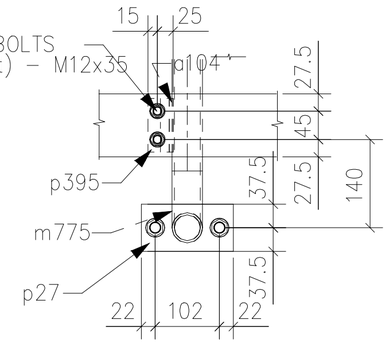


B –B

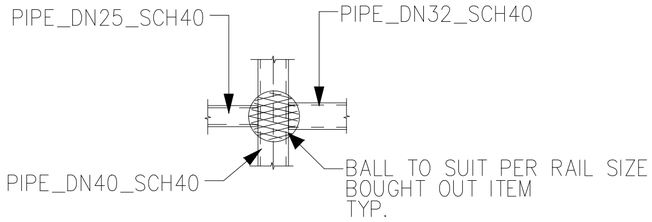


C –C

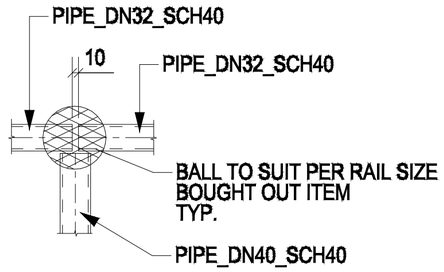




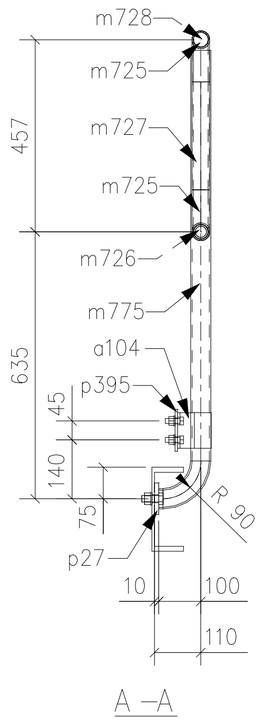
DETAIL 1
SCALE 1:10



DETAIL 2
SCALE 1:10



DETAIL 3
SCALE 1:10



A –A

1 HANDRAIL[S] REQUIRED MK HR1

ENGINEER TO VERIFY & CONFORM SPACING BETWEEN POST

LEGEND:

1). ▼ ORIENTATION
2). ⟵⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 = ±3.0
3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS	REV.	BY	DATE	DESCRIPTION
	0		28/09/21	ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

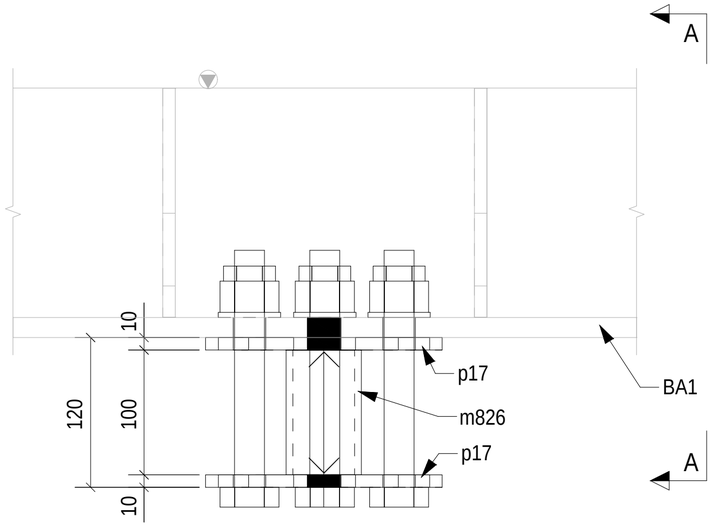
SCALE 1:10 | REV. 0 | A3

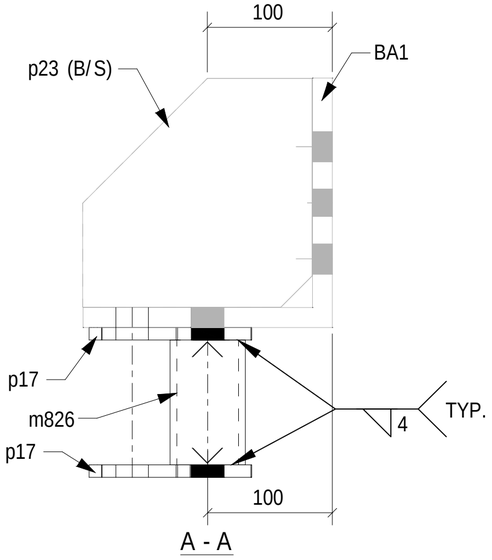
FILE No. (SHEET No)

TITLE: HANDRAIL

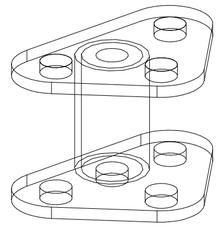
DRAWING No. HR1 | QUANTITY: 1

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m²)
m826	88	CHS60.3*5.4	100	350	64.24	0.8
p17	176	PL10*130	190	300	241.12	3.5
				TOTAL:	305.36	4.3

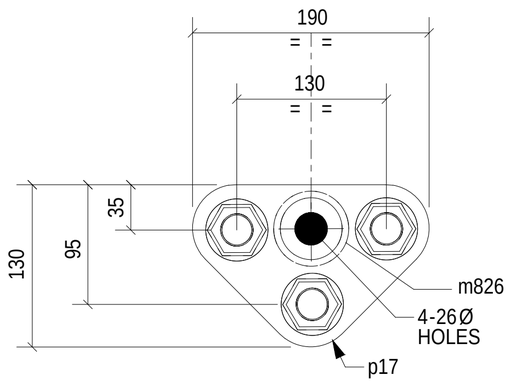




A - A



3D VIEW



NOTE:- BRACING CRADLE PL1 IS ALSO SHOWN IN BRACKET ANGLE ASSEMBLY DRAWING. THIS SEPRATED DRAWING IS FOR EASY FABRICATION PURPOSE ONLY.

LEGEND:

1). ▼ ORIENTATION
2). ⟵⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

88 BRACING CRADLES[S] REQUIRED PL-1

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0, 3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0		25/10/21	FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:5 | REV. 0 | A3

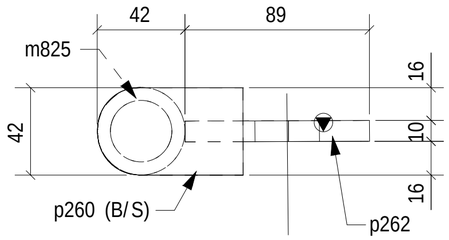
FILE No. (SHEET No)

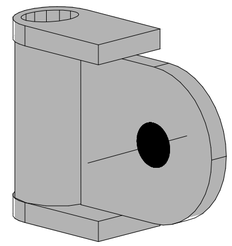
TITLE BRACKET CRADLE

DRAWING No. PL-1 | QUANTITY: 88

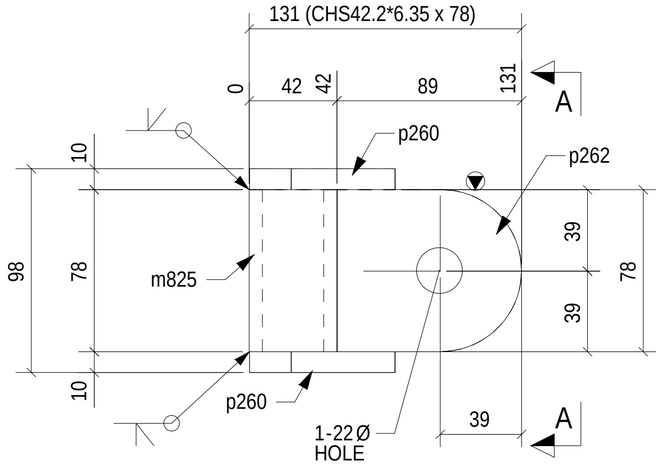
MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m)2
m825	613	CHS42.2*6.35	78	350	42.91	0
p260	1226	PL10*42	70	300	269.72	0
p262	613	PL10*78	89	300	300.37	0
				TOTAL:	613	0

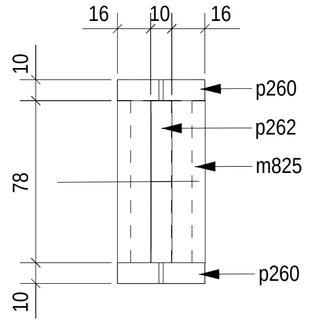
1



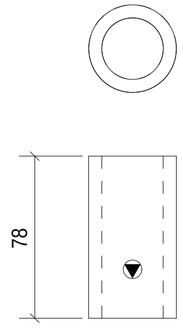


3D VIEW

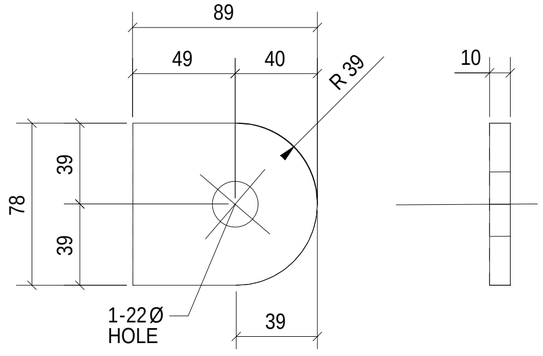




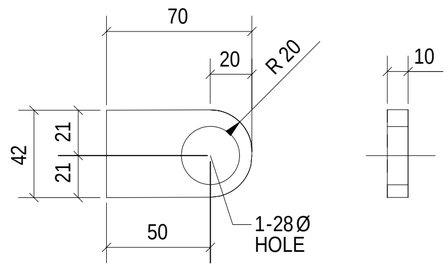
A - A



m825



p262



p260

LEGEND:

1). ▼ORIENTATION
2). ⟨⊗⟩ NDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL = ELEVATION
7). TYP = TYPICAL
8). T.O.S. = TOP OF STEEL
9). B.O.S. = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

613 BRACING PIVOT[S] REQUIRED MK PV1
Finish - HDG

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			FOR FABRICATION
1			PROFILE UPDATED

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

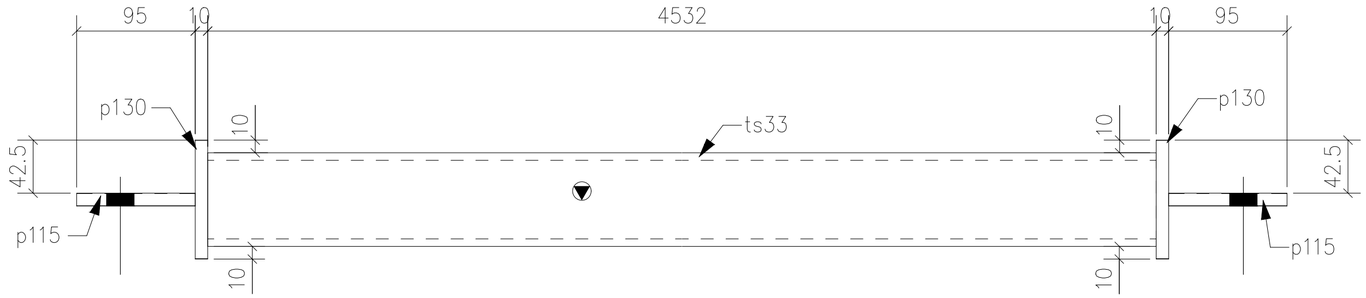
SCALE 1:3 | REV.

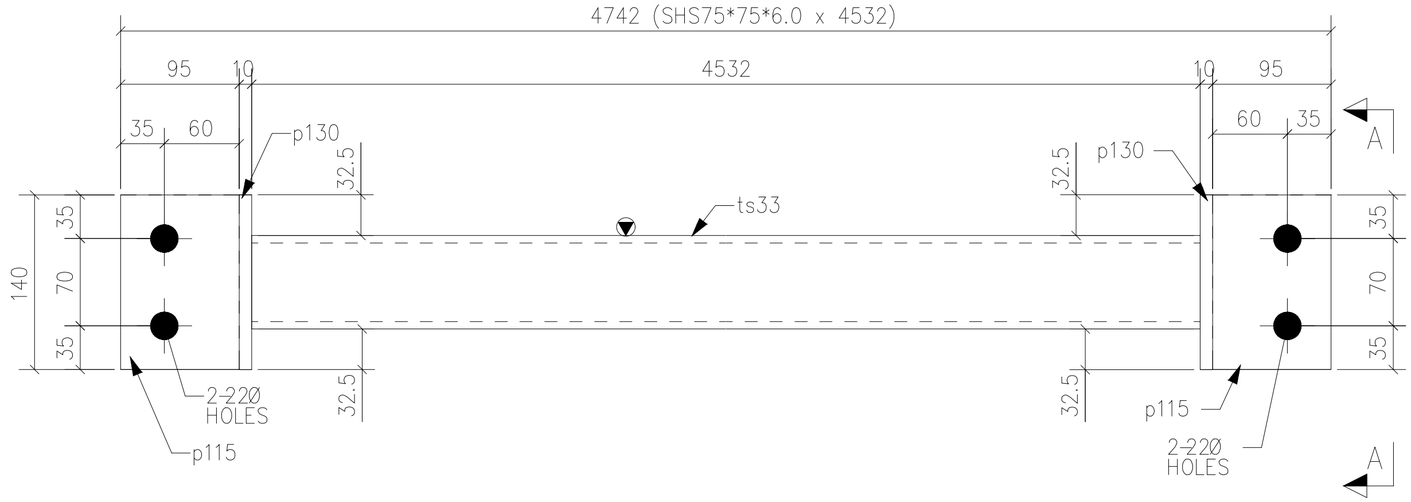
FILE No. (SHEET No)

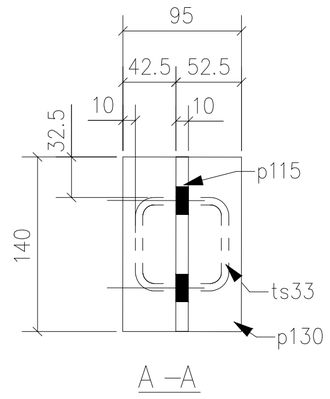
TITLE BRACING PIVOT

DRAWING No. PV1 | QUANTITY: 613

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m^2)
p115	2	PL10*95	140	300	2.1	0.1
p130	2	PL10*95	140	300	2.1	0.1
ts33	1	SHS75*75*6.0	4532	350	54.4	1.2
				TOTAL:	58.6	1.4







LEGEND:

1). ▼ ORIENTATION
2). ⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

1 BRACING STRUT[S] REQUIRED MK ST1

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000
3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

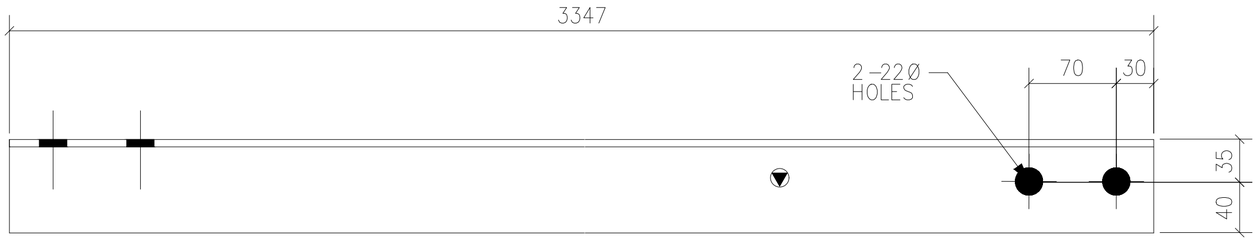
TITLE: BRACE

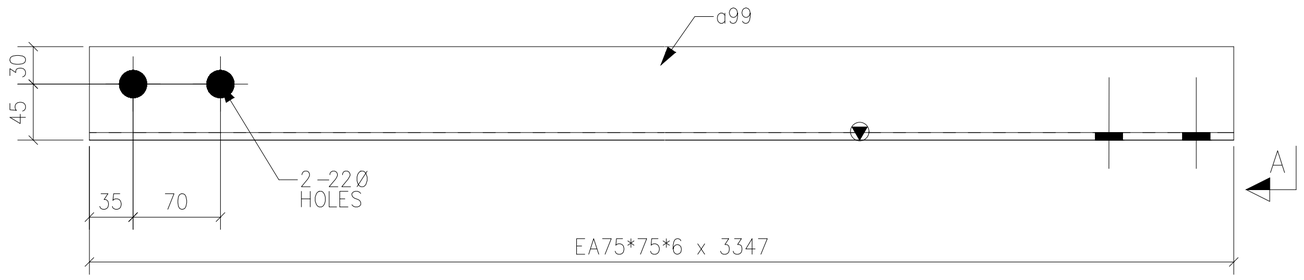
SCALE: 1:5 | REV.: 0 | A3

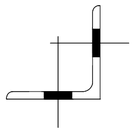
FILE No. (SHEET No)

DRAWING No.: ST1 | QUANTITY: 1

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m^2)
a99	1	EA75*75*6	3347	300	22.8	1.0
				TOTAL:	22.8	1.0







LEGEND:

1). ▼ ORIENTATION
2). ←⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

1 VER BRACE[S] REQUIRED MK VB4

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBUR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

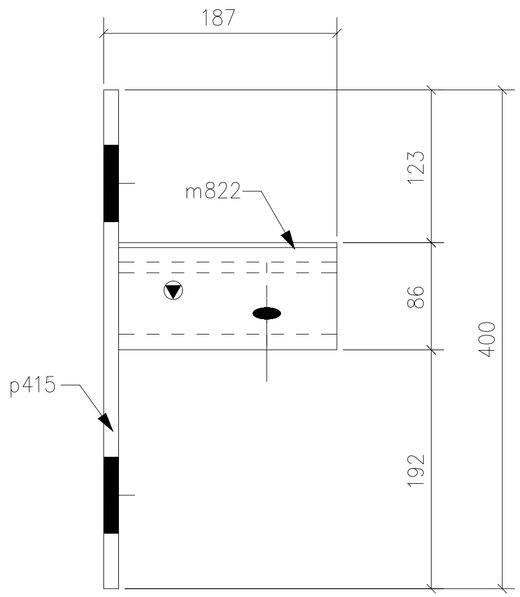
TITLE: VERTICAL BRACE

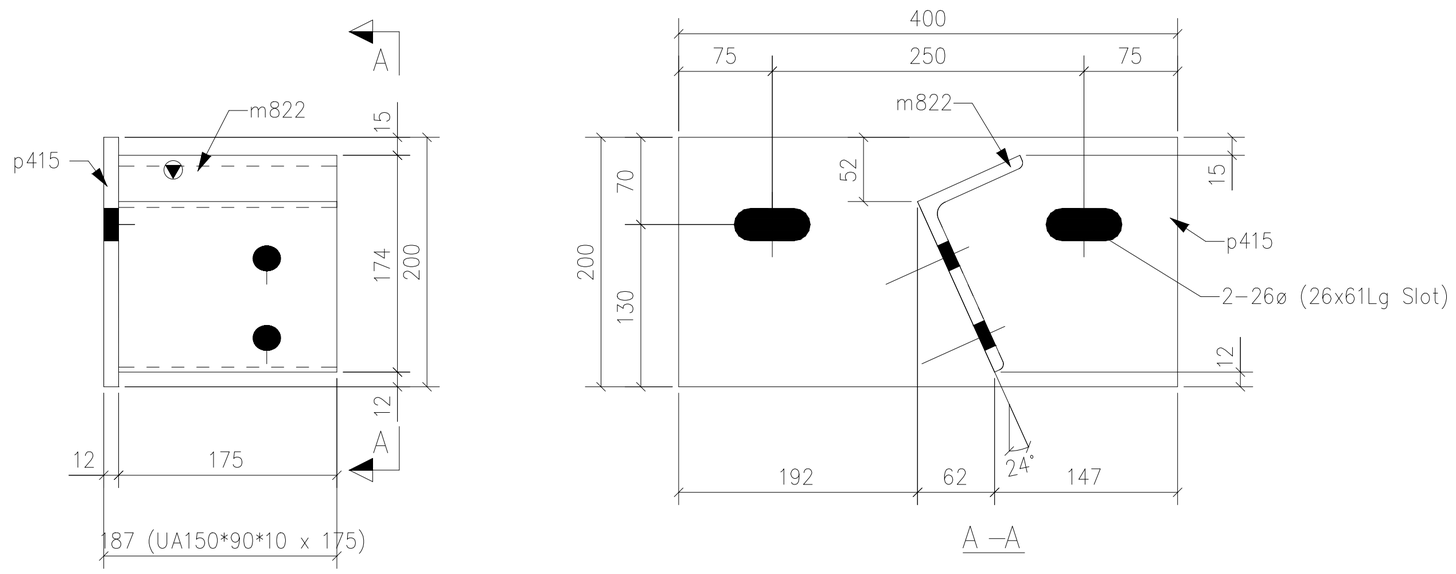
SCALE: 1:5 | REV.: 0 | A3

FILE No. (SHEET No)

DRAWING No.: VB4 | QUANTITY: 1

MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m^2)
m822	1	UA150*90*10	175	300	3.0	0.1
p415	1	PL12*200	400	300	7.5	0.2
				TOTAL:	10.6	0.3





1 WALKWAY ANGLE[S] REQUIRED MK WA1

LEGEND:

1). ▼ ORIENTATION
2). ←⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:5 | REV. 0 | A3

FILE No. (SHEET No)

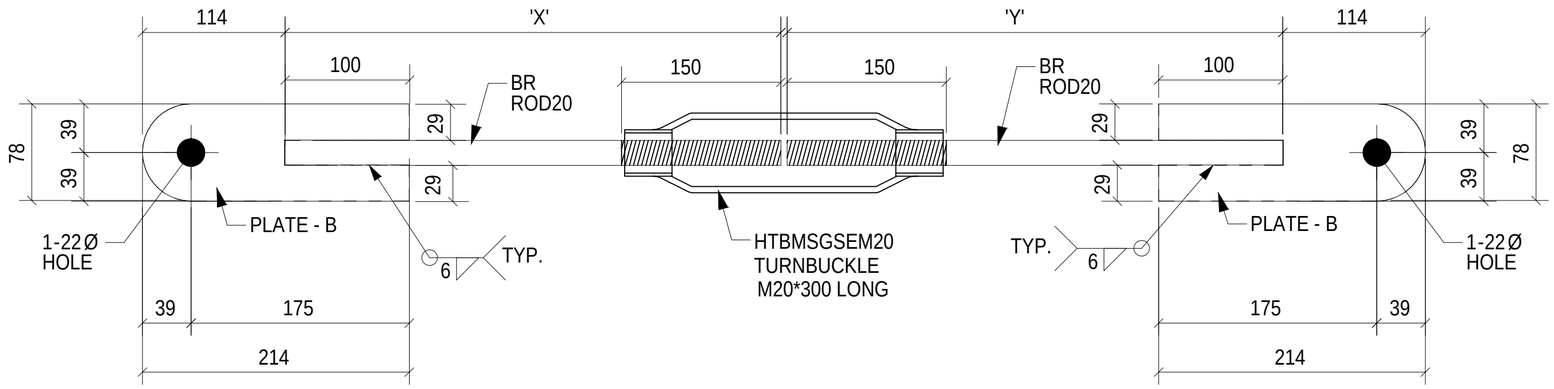
TITLE WALKWAY ANGLE

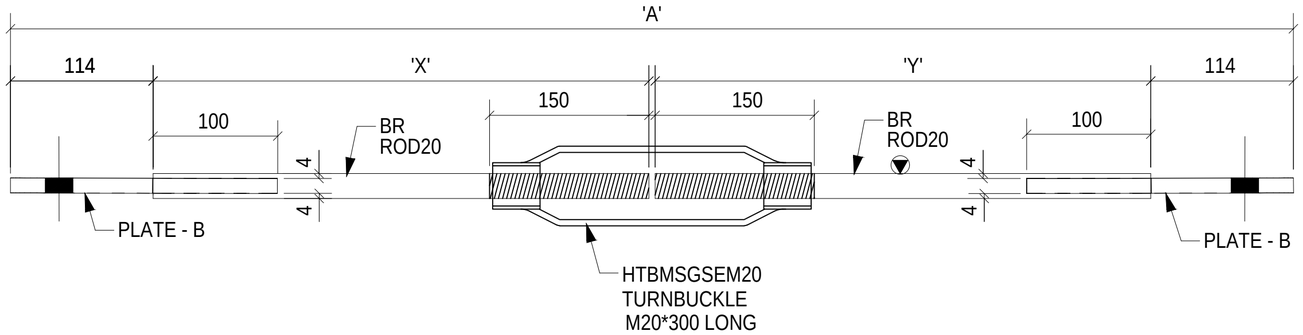
DRAWING No. WA1 | QUANTITY: 1

PART LIST OF DIAGONAL BRACES

ITEM	No.OFF	'A'	'B'		SECTION	GRADE	WEIGHT(kg)	AREA(m)2
PLATE - B	480	-	214		PL12*78	300	1248	0.1
						TOTAL:	1248	0.1

1





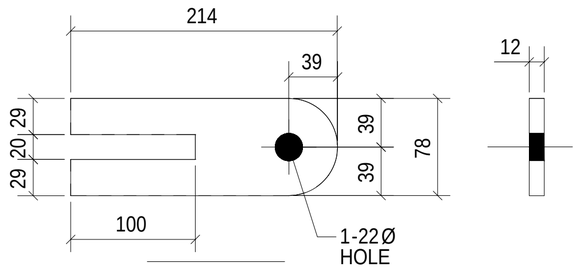


PLATE - B

1

DIAGONAL BRACING[S] W-BR2
Finish - HDG

PLEASE REFER SHEET W-BR2-1
FOR ASSEMBLY BOM LIST

LEGEND:

1). ORIENTATION
2). INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL = ELEVATION
7). TYP = TYPICAL
8). T.O.S. = TOP OF STEEL
9). B.O.S. = BOTTOM OF STEEL

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 = ±3.0,
3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0		12-10-2021	FOR FABRICATION
1		22-10-2021	REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:5 | REV.

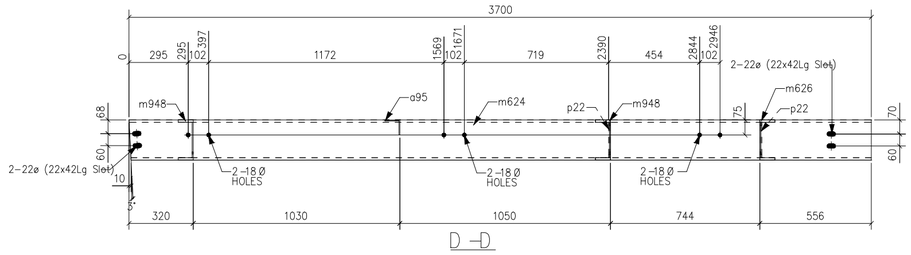
FILE No. (SHEET No)

TITLE TYPICAL DIAGONAL BRACING ROD
ASSEMBLY DRAWING FOR SECONDARY BEAM

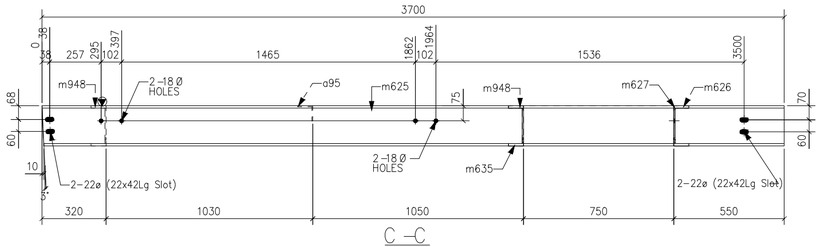
DRAWING No. W-BR2 | QUANTITY: -

MATERIAL LIST

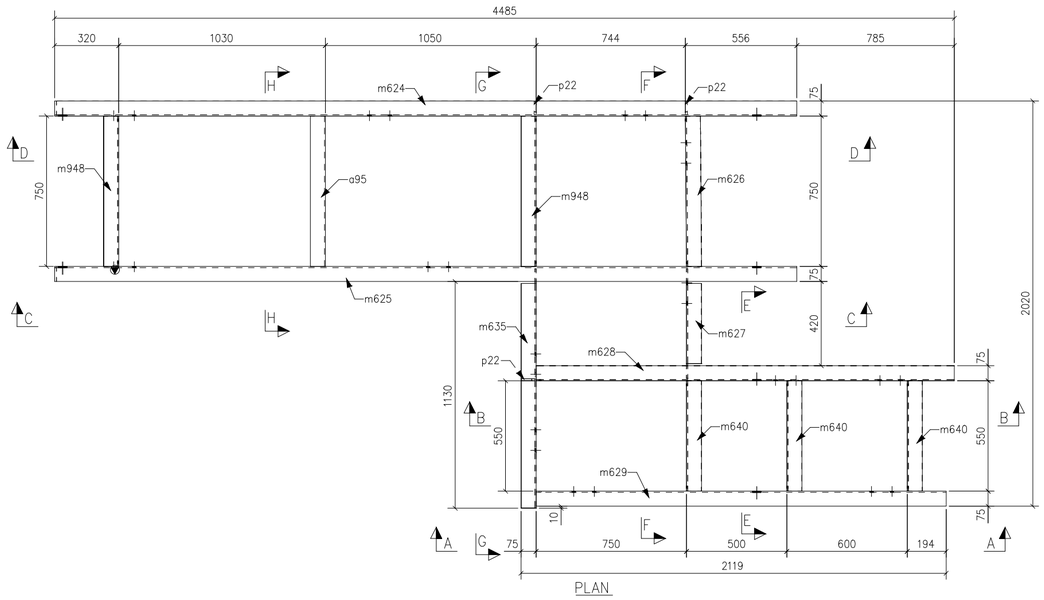
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m^2)
a95	1	EA75*75*5	750	300	4.0	0.2
m624	1	PFC200*75	3700	300	84.8	2.5
m625	1	PFC200*75	3700	300	84.8	2.5
m626	1	PFC200*75	751	300	17.2	0.5
m627	1	PFC200*75	546	300	12.5	0.4
m628	1	PFC200*75	2085	300	47.8	1.4
m629	1	PFC200*75	2044	300	46.9	1.4
m635	1	PFC200*75	1193	300	27.3	0.8
m640	3	PFC200*75	550	300	37.8	1.1
m948	2	PFC200*75	750	300	34.4	1.0
p22	3	PL10*68	176	300	2.8	0.1
				TOTAL:	400.2	12.0



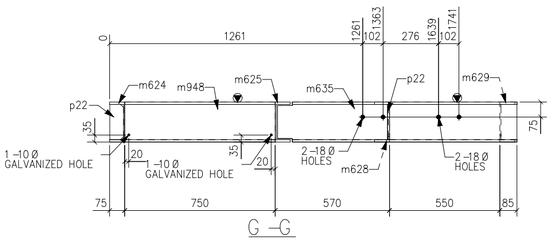
D –D



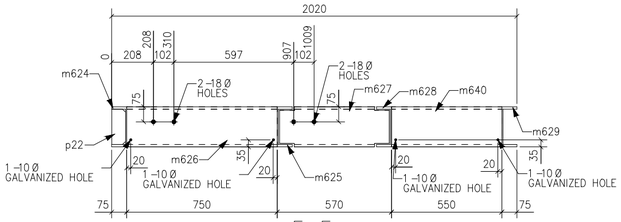
C –C



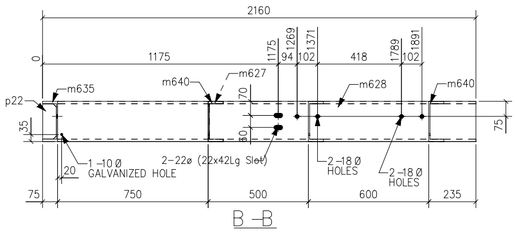
PLAN



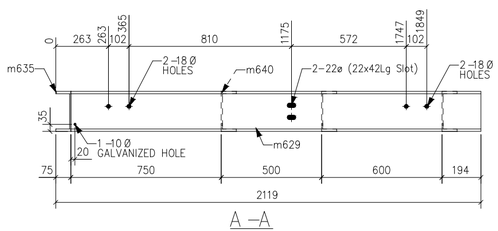
G –G



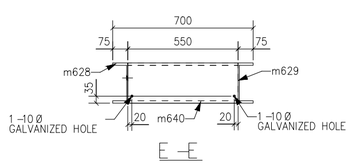
F –F



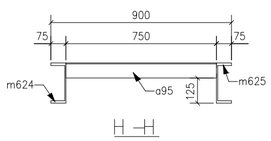
B –B



A –A



E –E



H –H

LEGEND:

1). ▼ ORIENTATION
2). ⟨⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

2

1 WALKWAY FRAME[S] REQUIRED MK WFR2

Finish – HDG

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 – 1500 = ±2.0, 1501– 3000 3001 – 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007
TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBURR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS – 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION
1			REVISED AS PER COMMENT
2			REVISED AS PER COMMENT

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100

DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

SCALE 1:15 | REV. 2 | A1

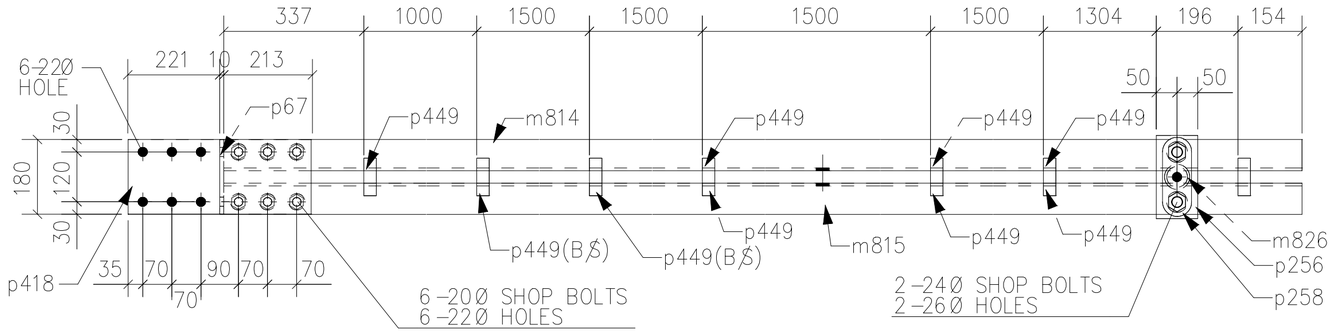
FILE No. (SHEET No)

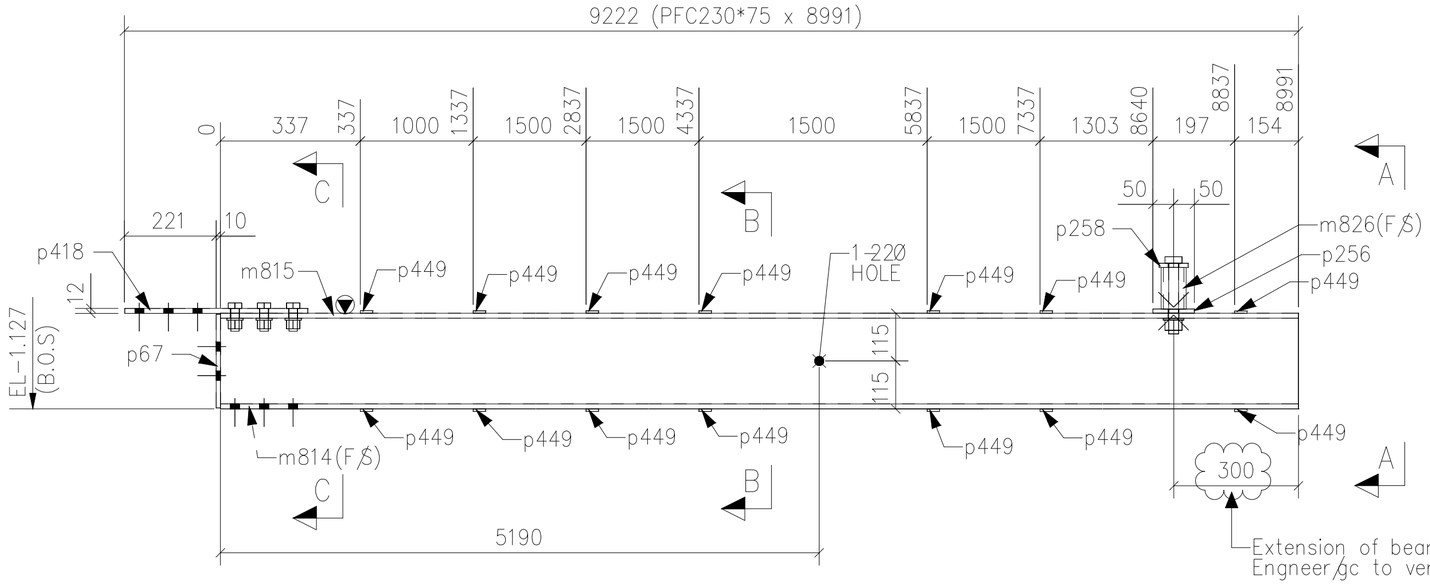
TITLE: WALKWAY FRAME

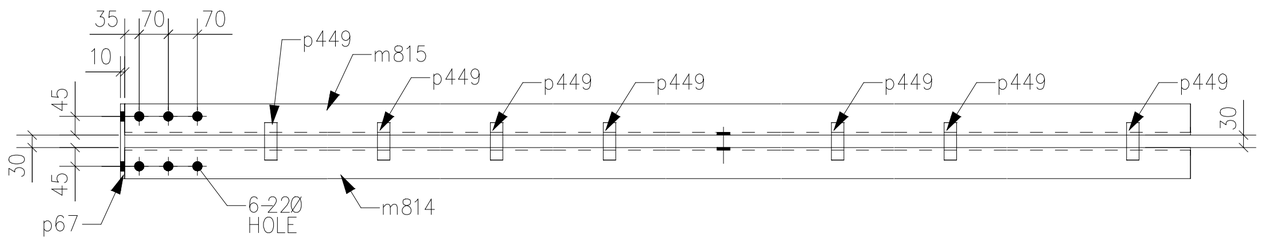
DRAWING No.: WFR2

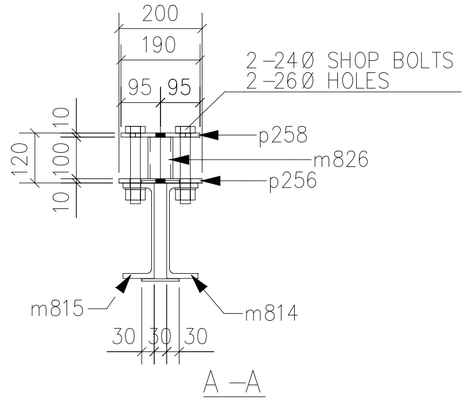
QUANTITY: 1

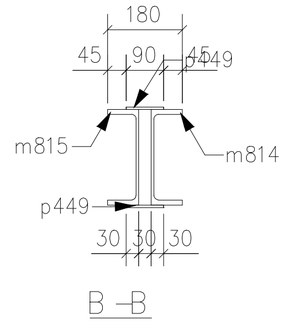
MATERIAL LIST						
ITEM	No.OFF	SECTION	LENGTH	GRADE	WEIGHT(kg)	AREA(m²)
m814	1	PFC230*75	8991	300	225.8	6.7
m815	1	PFC230*75	8991	300	225.8	6.7
m826	1	CHS60.3*5.4	100	350	0.7	0.0
p67	1	PL10*180	225	300	3.2	0.1
p256	1	PL10*100	200	300	1.6	0.0
p258	1	PL10*70	190	300	1.0	0.0
p418	1	PL12*180	440	300	7.5	0.2
p449	14	PL6*90	30	300	1.8	0.1
				TOTAL:	467.4	13.8

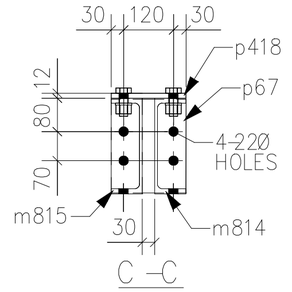












1 PRIMARY BEAM[S] REQUIRED MK WP-100a-B1
Finish - HDG

LEGEND:

1). ▼ ORIENTATION
2). ⊗ INDICATES CONNECTING SIDE MARK
3). FS = FAR SIDE
4). NS = NEAR SIDE
5). BS = BOTH SIDE
6). EL. = ELEVATION
7). TYP. = TYPICAL
8). T.O.S = TOP OF STEEL
9). B.O.S = BOTTOM OF STEEL
10). HDG = HOT DIPPED GALV.

TOLERANCE (U.O.N.):
<300 = ±1.0, 301 - 1500 = ±2.0, 1501- 3000 3001 - 6000 = ±4.0, >6001 = ±5.0
HOLES SIZES = ±0.25, HOLE CTRS = ±1.0

WELDING PROCEDURE SPECIFICATIONS:
ALL WELDS TO BE INACCORDANCE WITH AS/NZS1554.1SP AND AS/NZS 1554.6
ALL WELD TESTING AS PER AS 1710-2007 TYPICALLY 100% VISUAL / 10% NDT.

NOTES:
- SPATTER TO BE REMOVED.
- DEBUR ALL EDGES AND HOLES.
- ALL WELDS SHALL BE 6MM E48XX FILLET WELDS CONTINUOUS AROUND ALL SIDES OF THE CONNECTED PARTS.
- ALL WELDS TO BE PICKLED.
- THREADS ON NUTS TO BE PROTECTED FROM SPATTER.
- BUTT WELDS WHERE INDICATED ON DRAWINGS ARE BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554 U.N.O
- INTERNAL BEND RADIUS - 1 TO 1.5 SHEET THICKNESS.

REVISIONS

REV.	BY	DATE	DESCRIPTION
0			ISSUED FOR FABRICATION

DO NOT SCALE, IF IN DOUBT ASK - DIMENSIONS IN MILLIMETRES U.N.O.

DRAWN TO AS1100	
DRAWN	
DATE	
CHECKED	
APPROVED	
DESIGN ENG.	

CLIENT / PROJECT

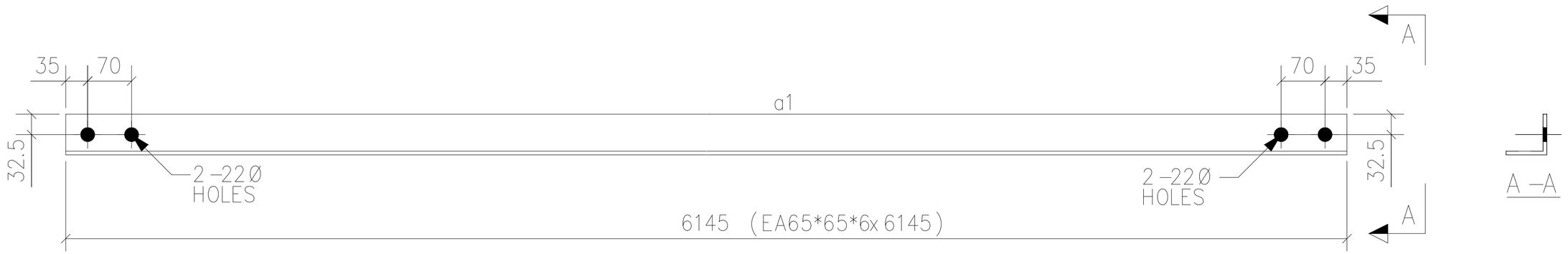
TITLE: PRIMARY BEAM

SCALE: 1:15 | REV.: 0 | A3

FILE No. (SHEET No)

DRAWING No.: WP-100a-B1 | QUANTITY: 1

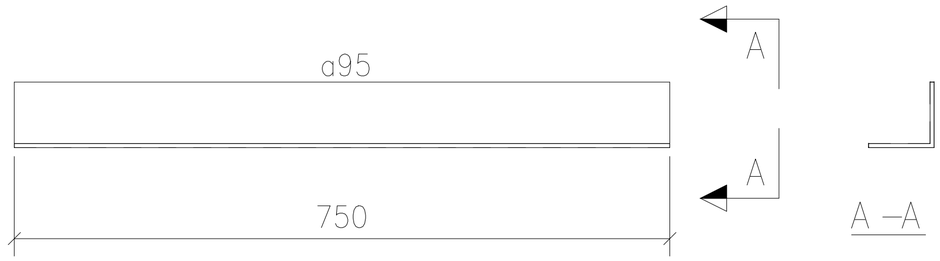
Qty.	In Assembly
3	BR520



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
a1	EA65*65*6	300	3	6145	1.60	36.08
MATERIAL LIST FOR WORKSHOP				TOTAL	4.79	108.24

DRAWING No.	a1	BRACE	
CONTRACT:		Project Name	
DRAWN BY:	Modelled by	ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

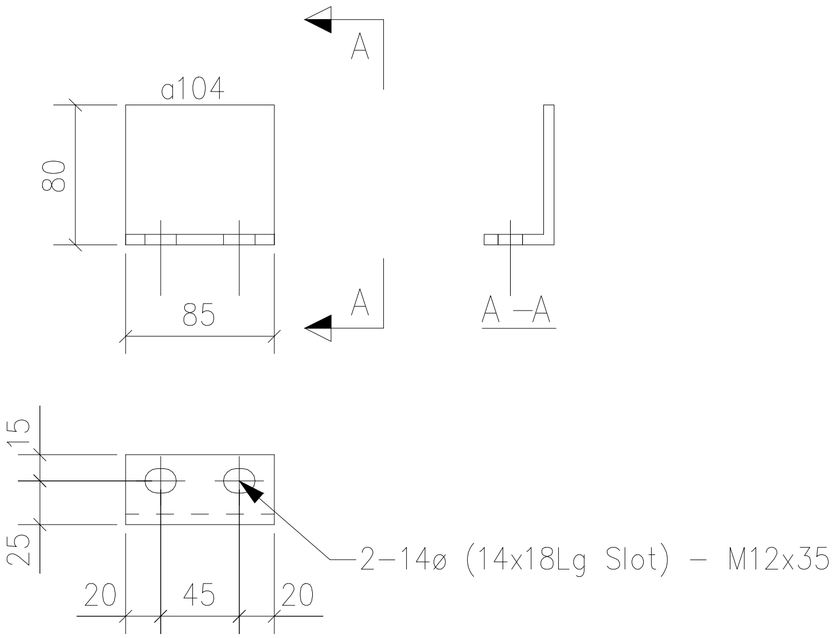
Qty.	In Assembly
3	WFR1
1	WFR2
10	WFR3
10	WFR4
10	WFR5
10	WFR6
3	WFR7
3	WFR8



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
a95	EA75*75*5	300	50	750	0.22	3.96
MATERIAL LIST FOR WORKSHOP				TOTAL	10.88	197.82

DRAWING No.	a95	TRIMMER	
CONTRACT:		Project Name	
DRAWN BY:	Modelled by	ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

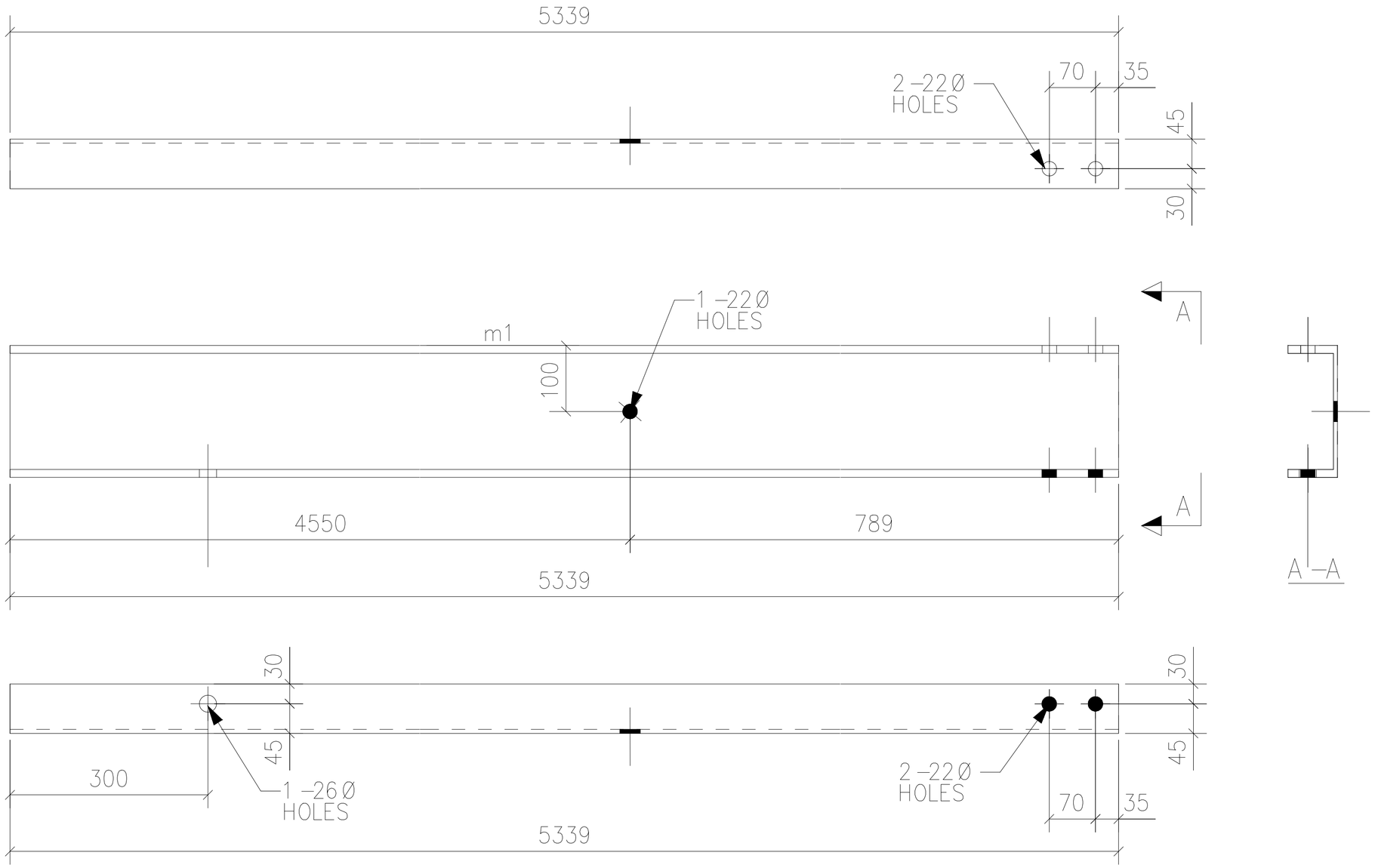
Qty.	In Assembly
2	HR1
2	HR2
3	HR3
3	HR4
2	HR5
2	HR6
2	HR7
3	HR8
7	HR9
7	HR10
7	HR11
7	HR12
7	HR13
7	HR14
2	HR15
7	HR16
7	HR17
2	HR18
2	HR19
2	HR20
4	HR21
3	HR22
4	HR23
4	HR24



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
a104	L80*40*6	300	98	85	0.02	0.46
MATERIAL LIST FOR WORKSHOP				TOTAL	2.13	44.73

DRAWING No.	a104	ANGLE	
CONTRACT:		Project Name	
DRAWN BY:	Modelled by	ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

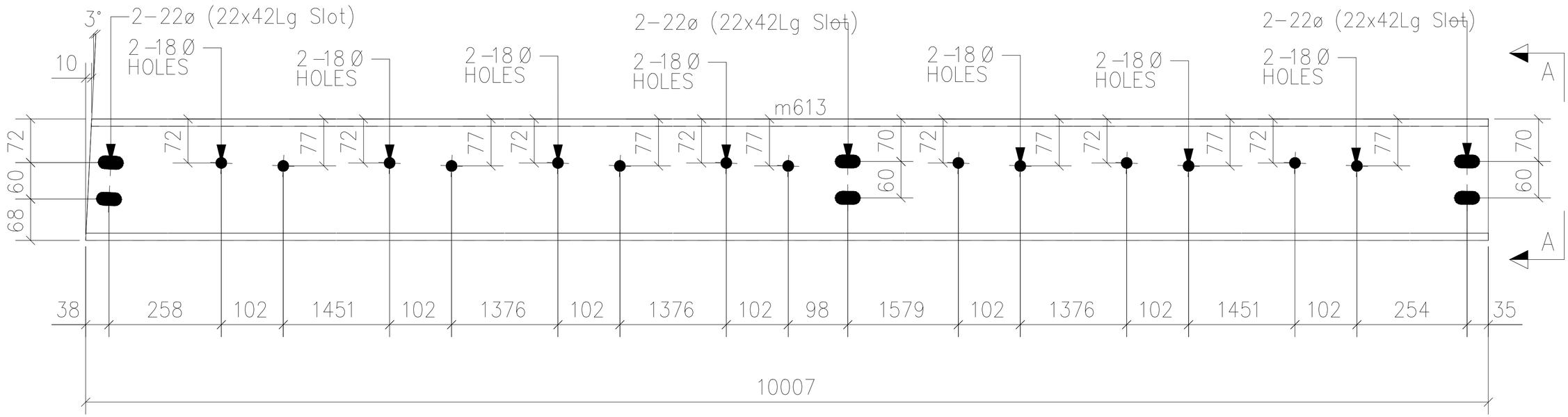
Qty.	In Assembly
1	WP-201-B2

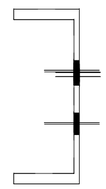


MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
m1	PFC200*75	300	1	5339	3.63	122.38
MATERIAL LIST FOR WORKSHOP				TOTAL	3.63	122.38

DRAWING No.	m1	BEAM	
CONTRACT:		Project Name	
DRAWN BY:	Modelled by	ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

Qty.	In Assembly
1	WFR5



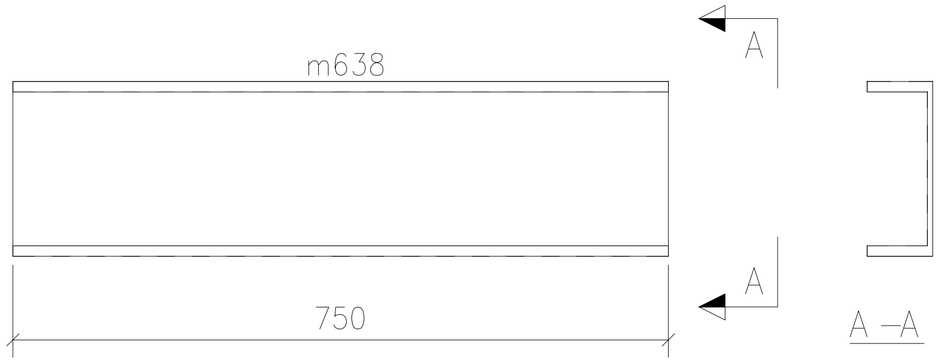


A –A

MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
m613	PFC200*75	300	1	10007	6.80	229.38
MATERIAL LIST FOR WORKSHOP				TOTAL	6.80	229.38

DRAWING No.	m613	STRINGER	
CONTRACT:		Project Name	
DRAWN BY:	Modelled by	ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

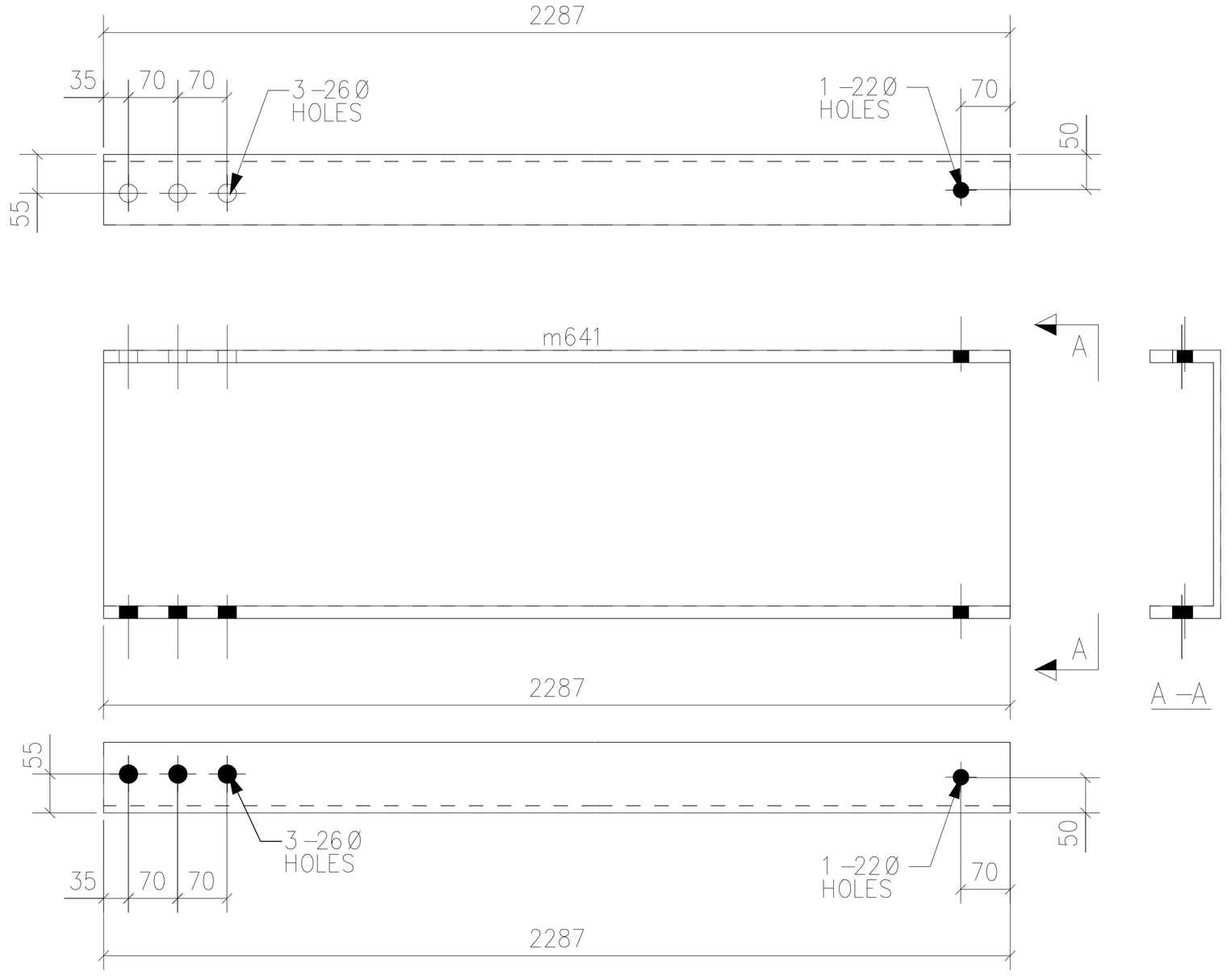
Qty.	In Assembly
2	WFR1
2	WFR3
2	WFR4
2	WFR5
2	WFR6
4	WFR7
4	WFR8



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
m638	PFC200*75	300	18	750	0.51	17.19
MATERIAL LIST FOR WORKSHOP				TOTAL	9.18	309.45

DRAWING No.	m638	TRIMMER	
CONTRACT:		Project Name	
DRAWN BY:		ISSUE DATE:	
REVISION No:	1	REVISON DATE:	

Qty.	In Assembly
1	WP-154-B2

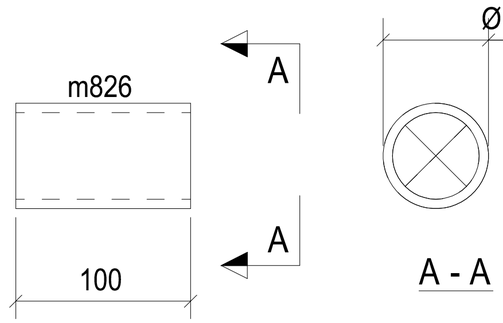


MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
m641	PFC380*100	300	1	2287	2.58	126.19
MATERIAL LIST FOR WORKSHOP				TOTAL	2.58	126.19

DRAWING No.	m641	BEAM	
CONTRACT:		Project Name	
DRAWN BY:		ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

Qty.	In Assembly
88	BA1
1	WP-100-B1
1	WP-100-B2
1	WP-100a-B1
1	WP-100a-B2
1	WP-101-B1
1	WP-101-B2
1	WP-104-B1
1	WP-104-B2
1	WP-105-B1
1	WP-105-B2
1	WP-106-B1
1	WP-106-B2

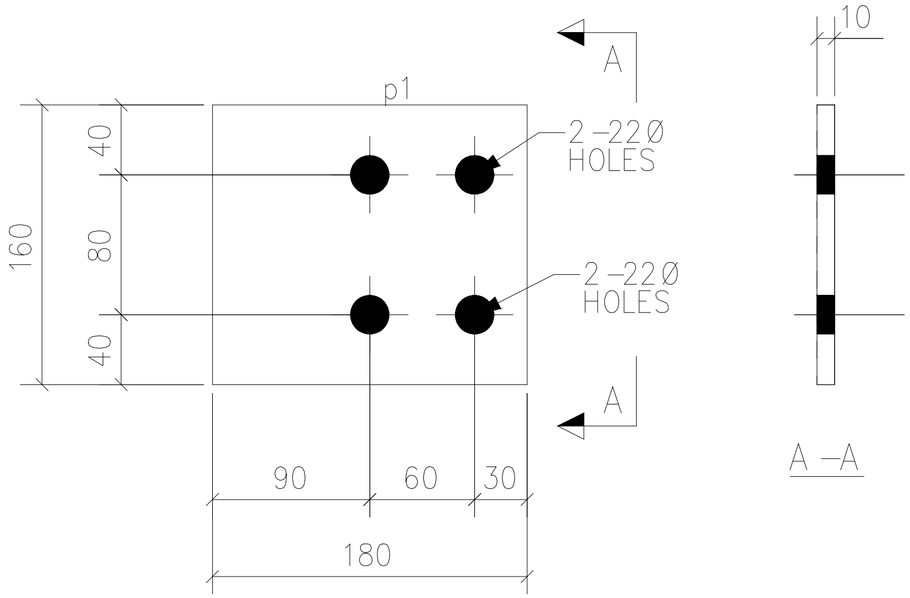
1	WP-116-B1	1	WP-150-B2		
1	WP-116-B2	1	WP-150-B3		
1	WP-120-B1	1	WP-200-B1		
1	WP-120-B2	1	WP-200-B2		
1	WP-121-B1	1	WP-200a-B1		
1	WP-121-B2	1	WP-200a-B2		
1	WP-124-B1	1	WP-201-B1		
1	WP-124-B2	1	WP-201-B2		
1	WP-125-B1	1	WP-204-B1		
1	WP-125-B2	1	WP-204-B2		
1	WP-126-B1	1	WP-205-B1		
1	WP-126-B2	1	WP-205-B2		
1	WP-129-B1	1	WP-206-B1		
1	WP-129-B2	1	WP-206-B2		
1	WP-130-B1	1	WP-209-B1		
1	WP-130-B2	1	WP-209-B2		
1	WP-131-B1	1	WP-210-B2		
1	WP-131-B2	1	WP-211-B2		
1	WP-132-B1	1	WP-214-B2		
1	WP-132-B2	1	WP-215-B2		
1	WP-133-B1	1	WP-216-B1		
1	WP-133-B2	1	WP-216-B2		
1	WP-136-B1	1	WP-220-B1		
1	WP-136-B2	1	WP-220-B2		
1	WP-137-B1	1	WP-221-B1		
1	WP-137-B2	1	WP-221-B2		
1	WP-138-B1	1	WP-224-B1		
1	WP-138-B2	1	WP-224-B2		
1	WP-139-B1	1	WP-225-B1		
1	WP-139-B2	1	WP-225-B2		
1	WP-142-B1	1	WP-226-B1		
1	WP-142-B2	1	WP-226-B2		
1	WP-143-B1	1	WP-227-B1		
1	WP-143-B2	1	WP-227-B2		
1	WP-144-B2	1	WP-228-B1		
1	WP-144-B3	1	WP-228-B2		
1	WP-145-B2				
1	WP-145-B3				
1	WP-149-B2				
1	WP-149-B3				



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
m826	CHS60.3*5.4	350	176	100	0.02	0.73
MATERIAL LIST FOR WORKSHOP				TOTAL	3.33	128.63

DRAWING No.	m826	PIPE	
CONTRACT:			
DRAWN BY:		ISSUE DATE:	
REVISION No:	2	REVISON DATE:	

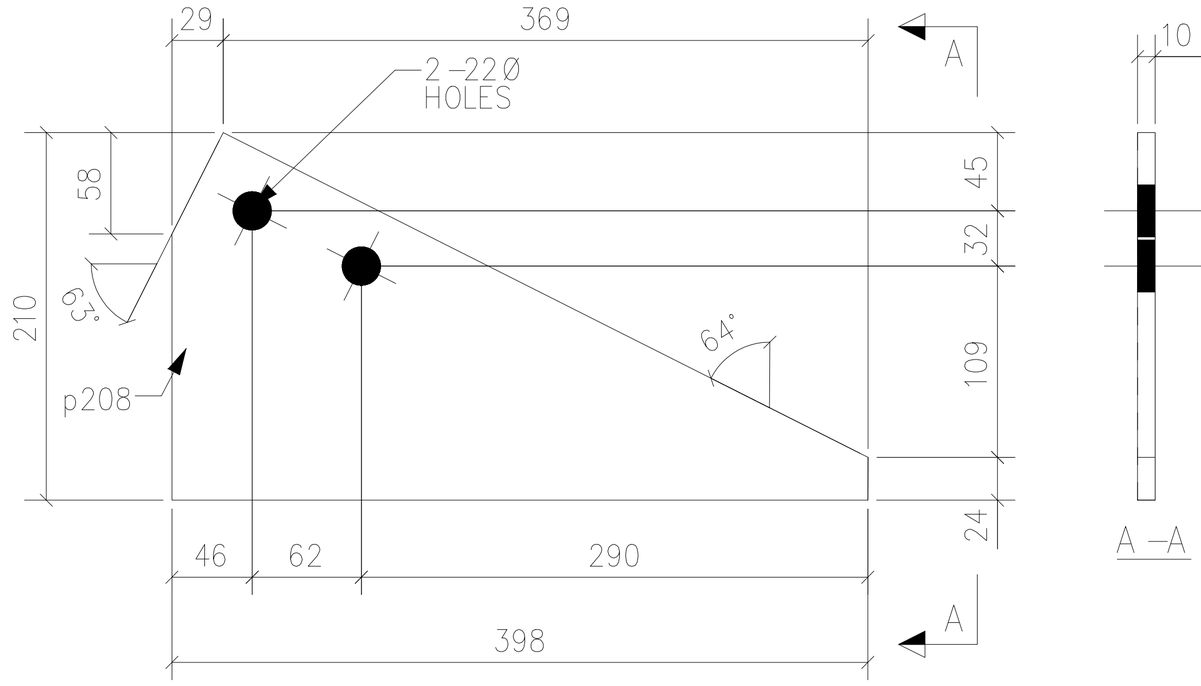
Qty.	In Assembly
2	WS3



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
p1	PL10*180	250	2	160	0.06	2.26
MATERIAL LIST FOR WORKSHOP				TOTAL	0.13	4.52

DRAWING No.	p1	PLATE	
CONTRACT:			
DRAWN BY:		ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

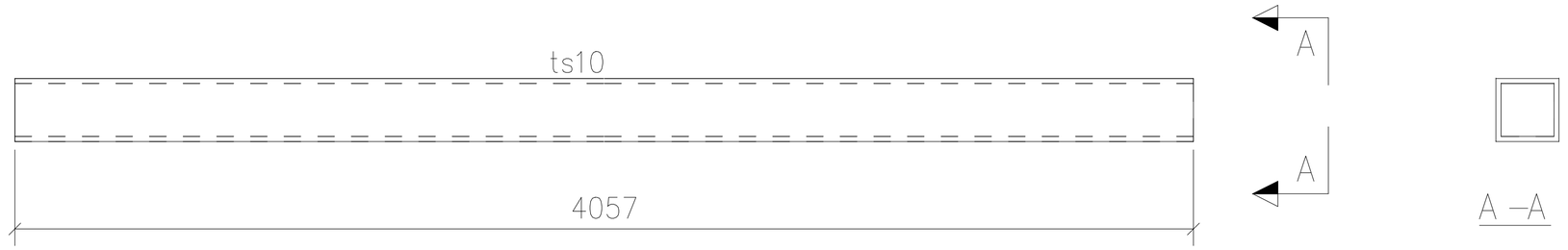
Qty.	In Assembly
1	WP-146-B1



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
p208	PL10*210	300	1	398	0.11	3.82
MATERIAL LIST FOR WORKSHOP				TOTAL	0.11	3.82

DRAWING No.	p208	PLATE	
CONTRACT:			
DRAWN BY:		ISSUE DATE:	
REVISION No:	0	REVISON DATE:	

Qty.	In Assembly
1	ST44



MARK	SECTION	GRADE	Qty	LENGTH	AREA M2	WEIGHT KG
ts10	SHS75*75*6.0	350	1	4057	1.11	48.73
MATERIAL LIST FOR WORKSHOP				TOTAL	1.11	48.73

DRAWING No.	ts10	BRACING	
CONTRACT:			
DRAWN BY:		ISSUE DATE:	
REVISION No:	0	REVISON DATE:	