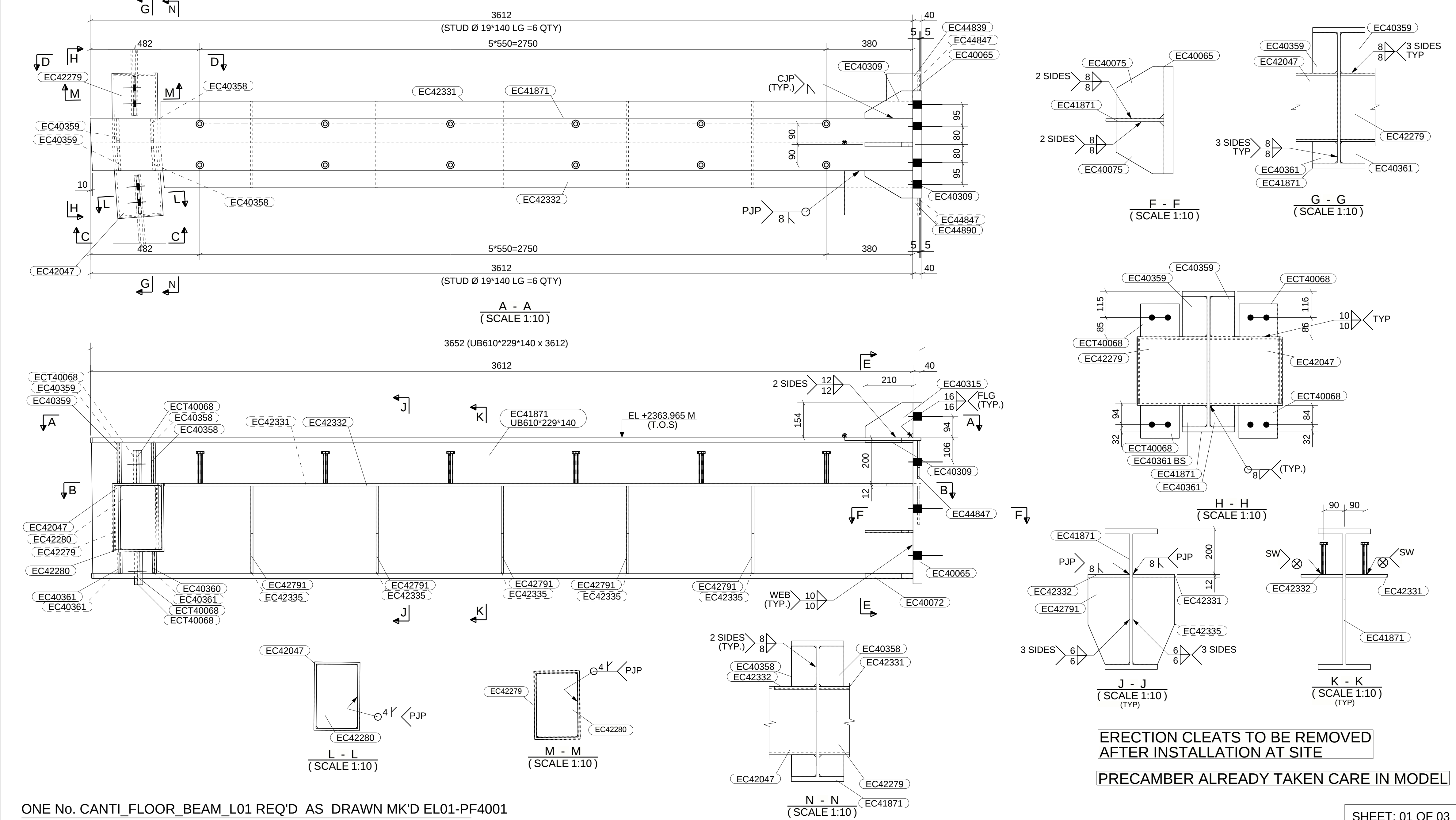


GRID LOCATION	QTY.										
E1-2/K-D2-A	1										

PAINT NOTE :
2Hr_INTUMESCENT_3 SIDES

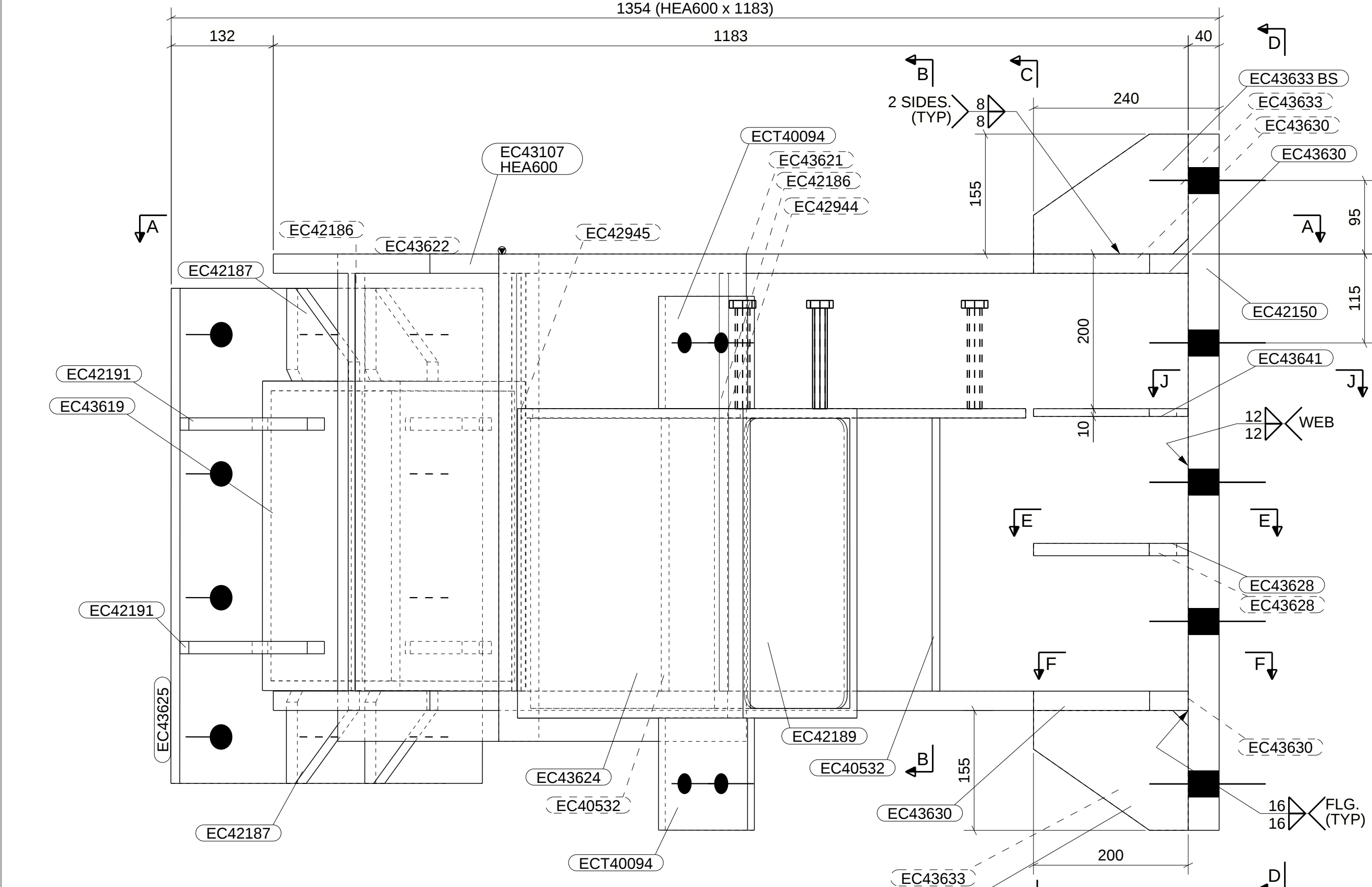
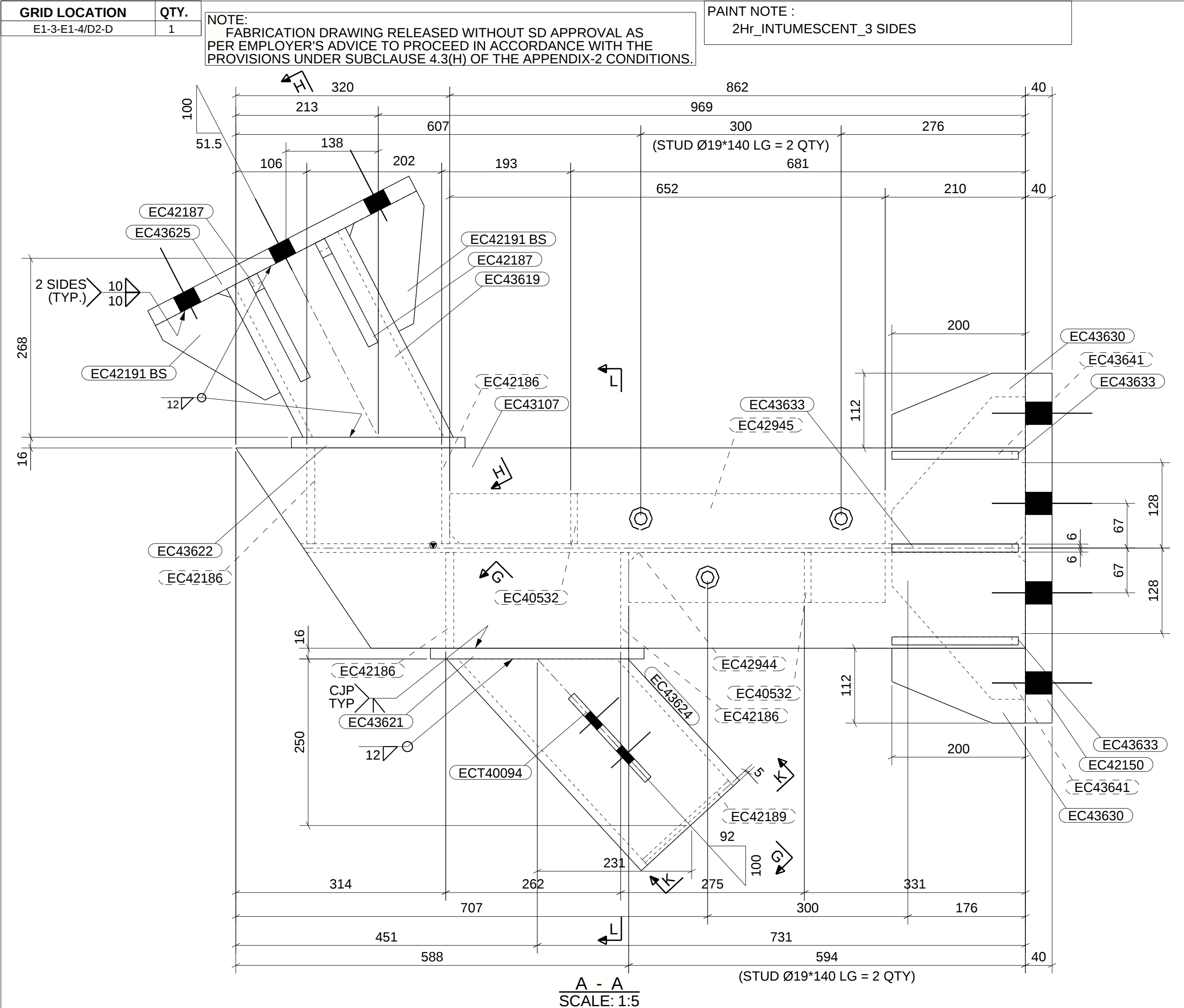
NOTE:
FABRICATION DRAWING RELEASED WITHOUT SD APPROVAL AS
PER EMPLOYER'S ADVICE TO PROCEED IN ACCORDANCE WITH THE
PROVISIONS UNDER SUBCLAUSE 4.3(H) OF THE APPENDIX-2 CONDITIONS.

MATERIAL LIST FOR ONE ASSEMBLY MK'D			EL01-PF4001		1			NUMBER. REQUIRED				Remark-1	Remark-2	Remark-3
MARK	SIZE	GRADE	QTY.	LENGTH(mm)	AREA(m2)	WEIGHT/ONE(kg)	TOTAL WT(kg)							
EC40065	PLT40*470	A572_GR.50/S355J2+Z25	1	795	0.85	117.3	117.3							
EC40072	PLT20*120	A572_GR.50/S355J2+Z15	2	210	0.05	4.0	7.9							
EC40075	PLT10*210	A572_GR.50/S355J2	2	228	0.09	3.8	7.5							
EC40309	PLT20*120	A572_GR.50/S355J2+Z15	2	210	0.05	4.0	7.9							
EC40315	PLT20*153.8	A572_GR.50/S355J2+Z15	1	210	0.06	5.1	5.1							
EC40358	PLT10*108.1	A572_GR.50/S355J2	2	177	0.04	1.5	3.0							
EC40359	PLT10*107.8	A572_GR.50/S355J2	2	179	0.04	1.5	3.0							
EC40360	PLT10*95.6	A572_GR.50/S355J2	1	108	0.02	0.8	0.8							
EC40361	PLT10*94.5	A572_GR.50/S355J2	3	108	0.02	0.8	2.4							
EC41871	UB610*229*140	A572/A992_GR.50/S355J2	1	3612	7.62	505.3	505.3							
EC42047	RHS300*200*8.8	A501_GR.C(Fy=345MPa)/S355J2H	1	320	0.31	21.2	21.2							
EC42279	RHS300*200*8.8	A501_GR.C(Fy=345MPa)/S355J2H	1	308	0.30	20.4	20.4							
EC42280	PLT6*180.4	A572_GR.50/S355J2	2	280	0.11	2.4	4.8							
EC42331	PLT12*183.5	A572_GR.50/S355J2	1	3301	1.30	57.1	57.1							
EC42332	PLT12*183.5	A572_GR.50/S355J2	1	3303	1.29	57.1	57.1							
EC42335	PLT10*183.6	A572_GR.50/S355J2	5	383	0.14	5.5	27.6							
EC42791	PLT10*183.6	A572_GR.50/S355J2	5	383	0.14	5.5	27.6							
EC44839	PLT12*120	A572_GR.50/S355J2	1	150	0.04	1.7	1.7							
EC44847	PLT10*75	A572_GR.50/S355J2	2	168	0.03	1.0	2.0							
EC44890	PLT12*194.7	A572_GR.50/S355J2	1	335	0.10	6.1	6.1							
ECT40068	PLT12*145.1	S355JR	4	170	0.06	2.3	9.3							
TOTAL FOR 1 ASSEMBLY			41		14.38		895.1							
BOLT M 24*65			8	Site		0.33	2.60							
BOLT M 30*130			16	Site		0.98	15.72							
NUT 24			8			0.10	0.83							
NUT 30			16			0.29	4.59							
WASHER 24			16			0.03	0.51							
WASHER 30			32			0.08	2.45							
STUD D 19 * 140			12	Workshop		0.37	4.44							
TOTAL WT. FOR BOLT & STUD ASSEMBLY							31.14							
TOTAL WT. FOR 1 ASSEMBLY							926.2							
TOTAL WT. FOR 1 ASSEMBLIES							926.2							



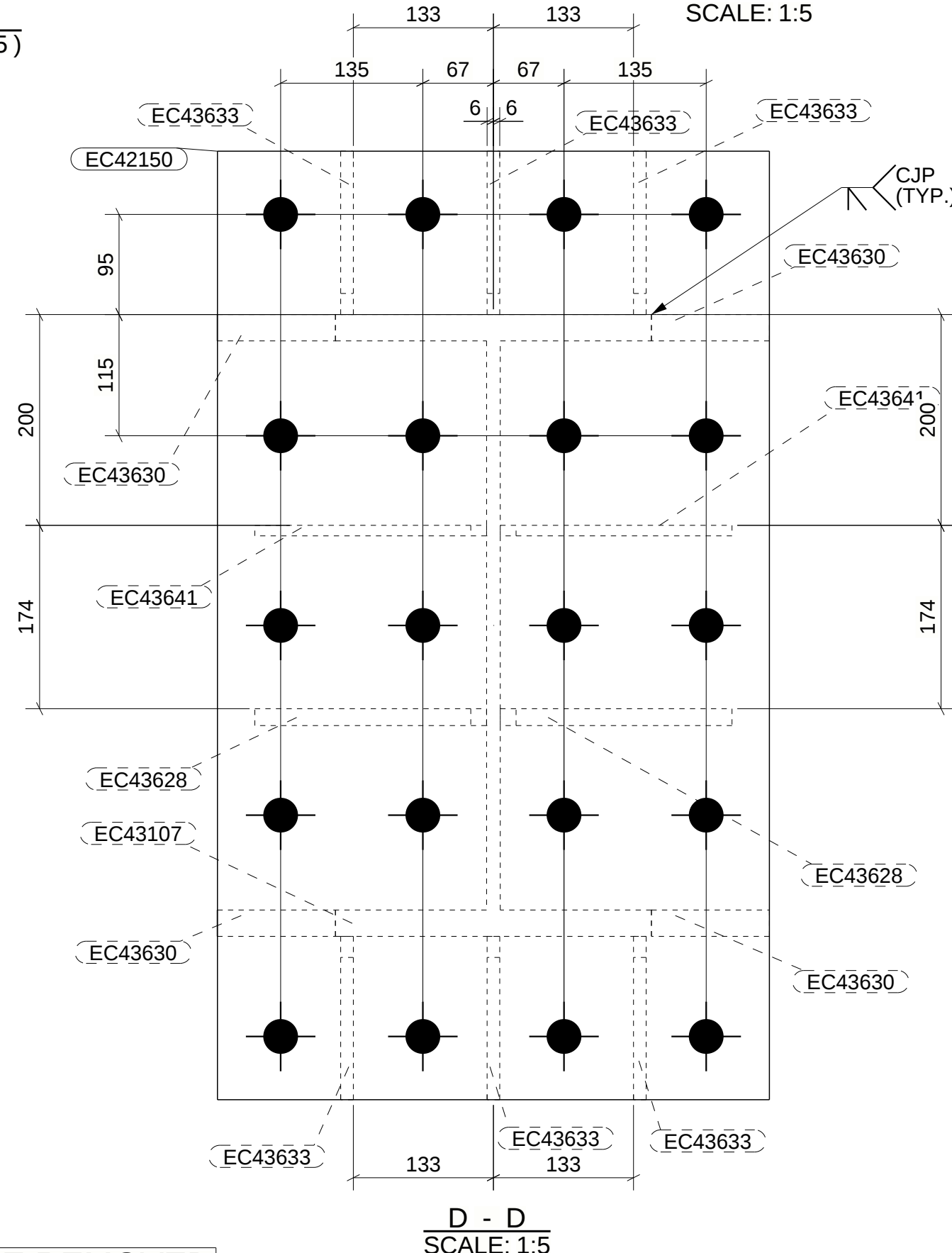
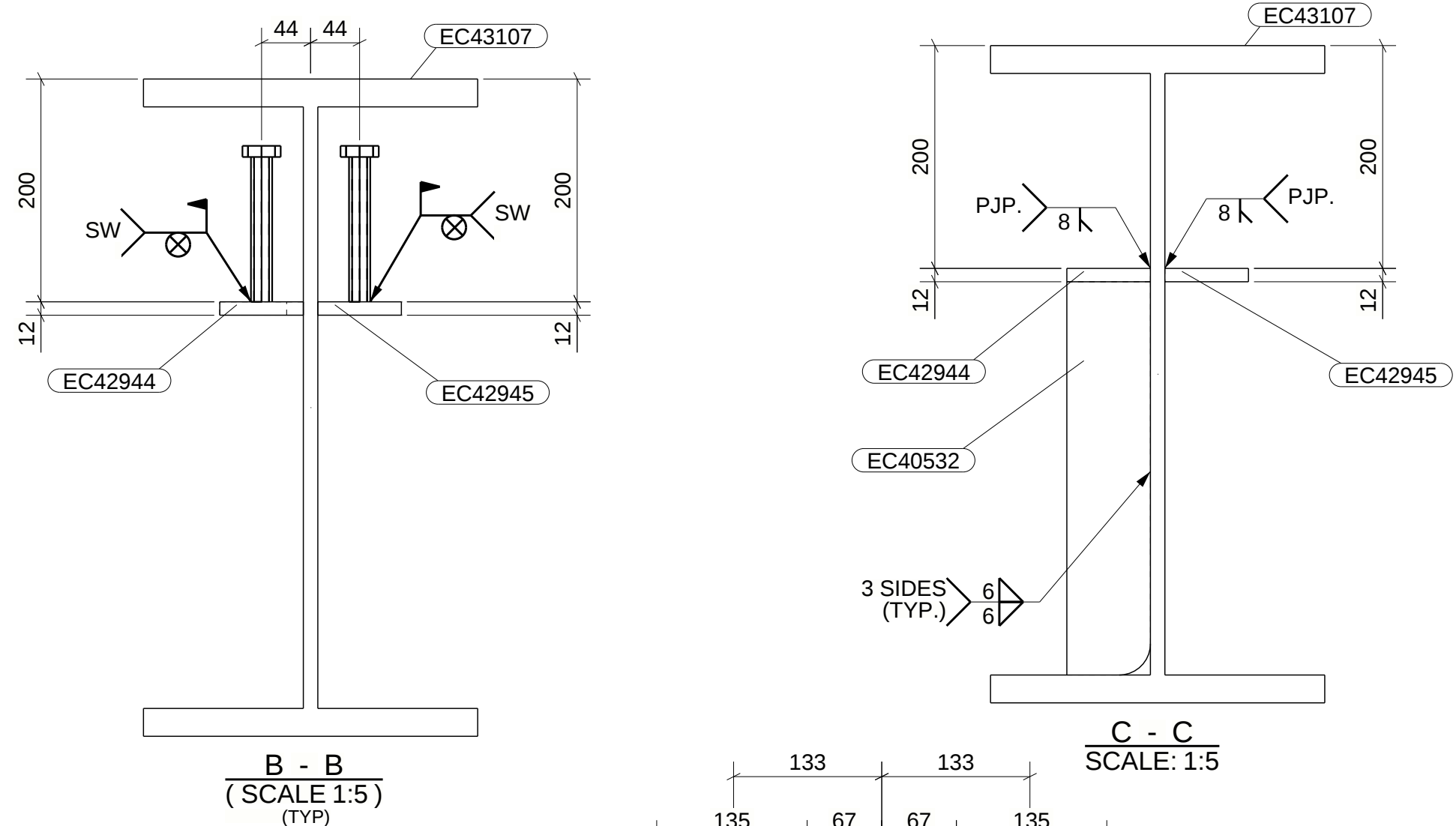
GRID LOCATION	QTY.	NOTE: FABRICATION DRAWING RELEASED WITHOUT SD APPROVAL AS PER EMPLOYER'S ADVICE TO PROCEED IN ACCORDANCE WITH THE PROVISIONS UNDER SUBCLAUSE 4.3(H) OF THE APPENDIX-2 CONDITIONS.									
E1-3-E1-4/D2-D	1										

GENERAL NOTES:				ALL HOLES ARE 22 mm UNLESS NOTED ALL WELDS ARE 6.0 mm CONTINUOUS FILLET WELD UNLESS NOTED ONLY FIGURED DIMENSIONS TO BE FOLLOWED							
MATERIAL LIST FOR ONE ASSEMBLY MK'D				EL02-PF4009				1 NUMBER. REQUIRED			
MARK	SIZE	GRADE	QTY.	LENGTH(mm)	AREA(m2)	WEIGHT/ONE(kg)	TOTAL WT(kg)	Remark-1	Remark-2	Remark-3	
EC40532	PLT10*75	A572_GR.50/S355J2	2	353	0.06	2.1	4.2				
EC42150	PLT40*524	A572_GR.50/S355J2+Z25	1	900	1.06	148.1	148.1				
EC42186	PLT12*143.5	A572_GR.50/S355J2	4	540	0.17	7.3	29.2				
EC42187	PLT16*120	A572_GR.50/S355J2+Z15	4	175	0.04	2.6	10.6				
EC42189	PLT6*175	A572_GR.50/S355J2	1	375	0.14	3.1	3.1				
EC42191	PLT16*120	A572_GR.50/S355J2+Z15	4	175	0.04	2.6	10.5				
EC42944	PLT12*75	A572_GR.50/S355J2	1	384	0.07	2.7	2.7				
EC42945	PLT12*75	A572_GR.50/S355J2	1	652	0.11	4.6	4.6				
EC43107	HEA600	A572/A992_GR.50/S355J2	1	1183	2.73	210.5	210.5				
EC43619	RHS400*200*12.5	A501_GR.C(Fy=345MPa)/S355J2H	1	354	0.41	39.5	39.5				
EC43621	PLT16*320	A572_GR.50/S355J2+Z15	1	630	0.43	25.3	25.3				
EC43622	PLT16*260	A572_GR.50/S355J2+Z15	1	630	0.36	20.6	20.6				
EC43624	RHS400*200*12.5	A501_GR.C(Fy=345MPa)/S355J2H	1	431	0.50	48.0	48.0				
EC43625	PLT25*440	A572_GR.50/S355J2+Z25	1	640	0.62	55.3	55.3				
EC43628	PLT16*200	A572_GR.50/S355J2+Z15	2	220	0.07	5.5	11.1				
EC43630	PLT25*200	A572_GR.50/S355J2+Z25	4	112	0.05	4.4	17.6				
EC43633	PLT12*200	A572_GR.50/S355J2	6	155	0.05	2.9	17.5				
EC43641	PLT10*200	A572_GR.50/S355J2	2	220	0.07	3.5	6.9				
ECT40094	PLT12*145.1	S355JR	2	170	0.06	2.3	4.6				
TOTAL FOR 1 ASSEMBLY				40	8.44		669.8				
BOLT M 30*130				20	Site	0.98	19.64				
NUT 30				20		0.29	5.74				
WASHER 30				40		0.08	3.06				
STUD D 19 *140				3	Site	0.37	1.11				
TOTAL WT. FOR BOLT & STUD ASSEMBLY							29.55				
TOTAL WT. FOR 1 ASSEMBLY							699.4				
TOTAL WT. FOR 1 ASSEMBLIES							699.4				

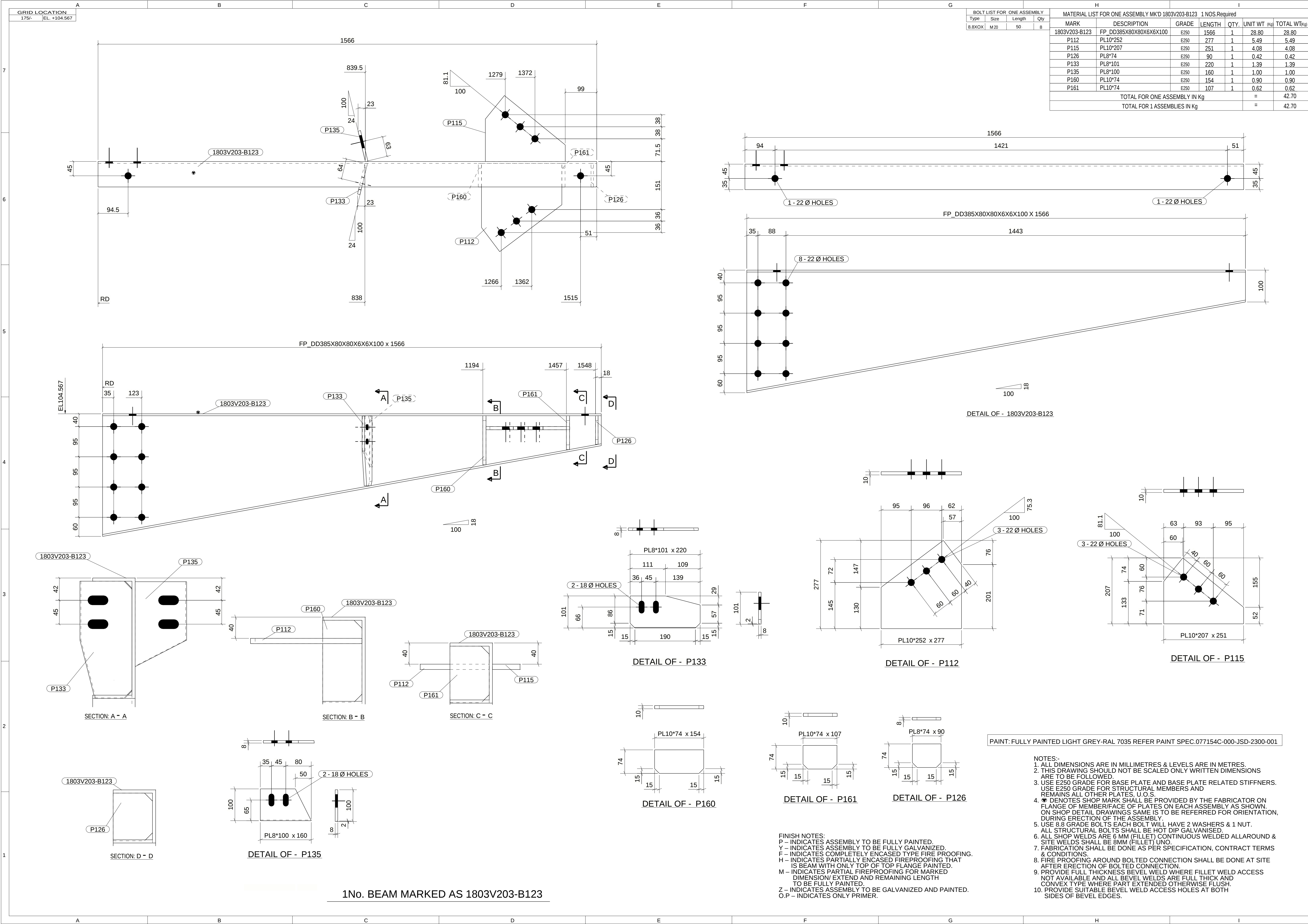


ONE No. CANTI_FLOOR_BEAM_L02 REQ'D AS DRAWN MK'D EL02-PF4009

ERECTION CLEATS TO BE REMOVED
AFTER INSTALLATION AT SITE



THIS STRUCTURAL DRAWING OR DRAWING DEVELOPED BY MEGA ENGINEERING & INFRASTRUCTURES LTD IS THE PROPERTY OF INDIAN OIL CORPORATION LTD. AND SHALL NOT UNDER ANY CIRCUMSTANCES BE TOTALLY OR PARTIALLY, DIRECTLY OR INDIRECTLY, TRANSMITTED, REPRODUCED, COPIED, DISCLOSED OR USED WITHOUT INDIAN OIL CORPORATION LTD. PRIOR WRITTEN CONSENT.



BOLT LIST FOR ONE ASSEMBLY			
Type	Size	Length	Qty
8.8XOX	M20	50	8

MATERIAL LIST FOR ONE ASSEMBLY MK'D 1803V203-B123						1 NOS.Required
MARK	DESCRIPTION	GRADE	LENGTH	QTY.	UNIT WT (Kg)	TOTAL WT(Kg)
1803V203-B123	FP_DD385X80X80X6X6X100	E250	1566	1	28.80	28.80
P112	PL10*252	E250	277	1	5.49	5.49
P115	PL10*207	E250	251	1	4.08	4.08
P126	PL8*74	E250	90	1	0.42	0.42
P133	PL8*101	E250	220	1	1.39	1.39
P135	PL8*100	E250	160	1	1.00	1.00
P160	PL10*74	E250	154	1	0.90	0.90
P161	PL10*74	E250	107	1	0.62	0.62
TOTAL FOR ONE ASSEMBLY IN Kg					=	42.70
TOTAL FOR 1 ASSEMBLIES IN Kg					=	42.70

PAINT: FULLY PAINTED LIGHT GREY-RAL 7035 REFER PAINT SPEC.077154C-000-JSD-2300-001

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

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

1No. BEAM MARKED AS 1803V203-B123

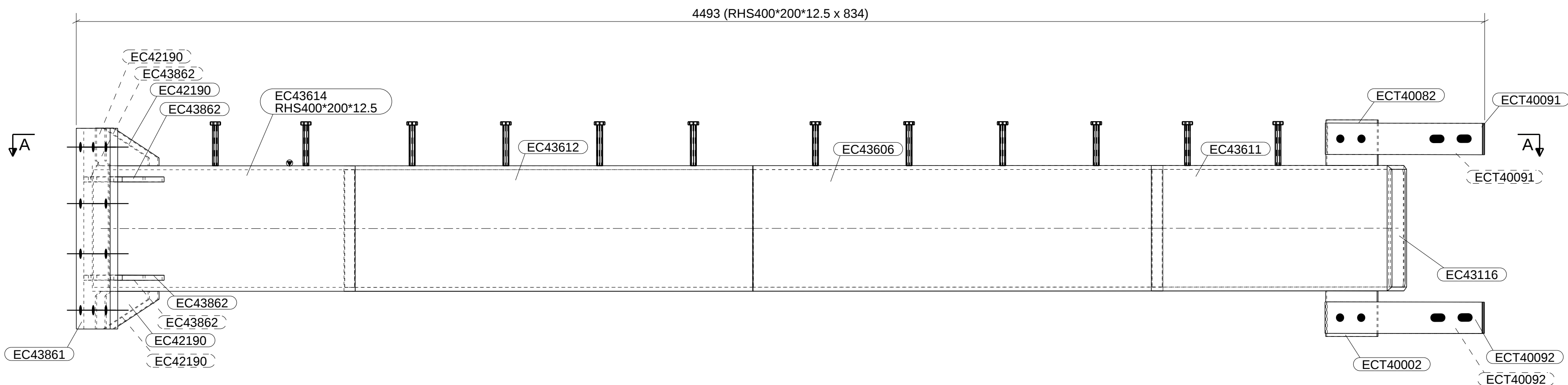
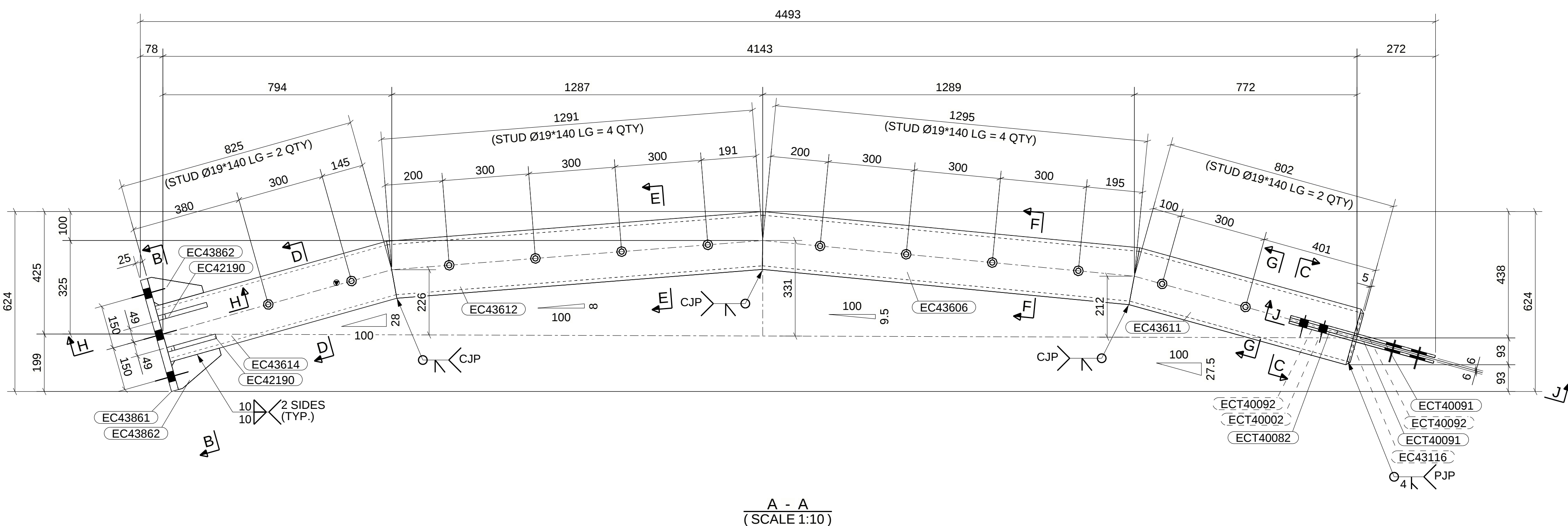
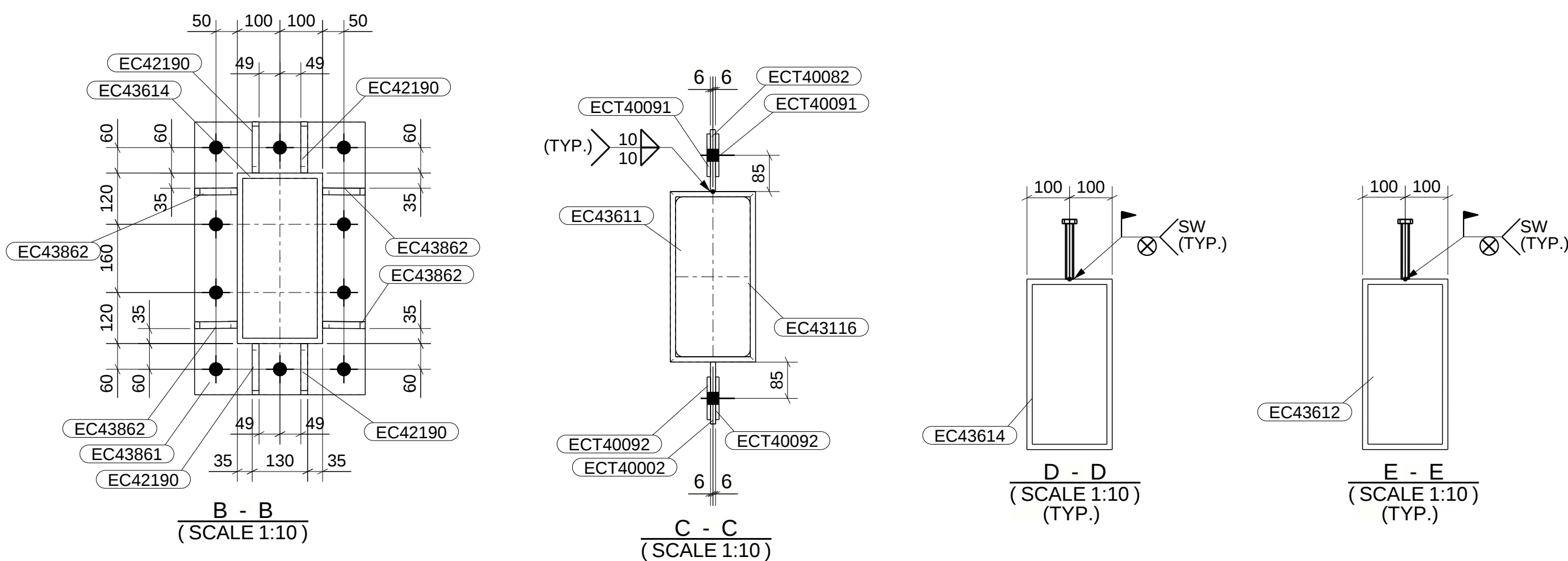
GRID LOCATION	QTY.
E1-2-E1-3/D2-D>	1

PAINT NOTE :
2Hr_INTUMESCENT_3 SIDES

NOTE:
FABRICATION DRAWING RELEASED WITHOUT SD APPROVAL AS
PER EMPLOYER'S ADVICE TO PROCEED IN ACCORDANCE WITH THE
PROVISIONS UNDER SUBCLAUSE 4.3(H) OF THE APPENDIX-2 CONDITIONS.

GENERAL NOTES:	ALL HOLES ARE 22 mm UNLESS NOTED ALL WELDS ARE 6.0 mm CONTINUOUS FILLET WELD UNLESS NOTED ONLY FIGURED DIMENSIONS TO BE FOLLOWED
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MATERIAL LIST FOR ONE ASSEMBLY MK'D			EL02-PF4021		1		NUMBER. REQUIRED				
MARK	SIZE	GRADE	QTY.	LENGTH(mm)	AREA(m2)	WEIGHT/ONE(kg)	TOTAL WT(kg)	Remark-1	Remark-2	Remark-3	
EC42190	PLT16*120	A572_GR.50/S355J2+Z15	4	175	0.04	2.6	10.6				
EC43116	PLT6*175	A572_GR.50/S355J2	1	375	0.14	3.1	3.1				
EC43606	RHS400*200*12.5	A501_GR.C(Fy=345MPa)/S355J2H	1	1313	1.54	146.4	146.4				
EC43611	RHS400*200*12.5	A501_GR.C(Fy=345MPa)/S355J2H	1	810	0.95	90.3	90.3				
EC43612	RHS400*200*12.5	A501_GR.C(Fy=345MPa)/S355J2H	1	1310	1.53	146.1	146.1				
EC43614	RHS400*200*12.5	A501_GR.C(Fy=345MPa)/S355J2H	1	834	0.98	93.0	93.0				
EC43861	PLT25*400	A572_GR.50/S355J2+Z25	1	640	0.56	50.2	50.2				
EC43862	PLT16*100	A572_GR.50/S355J2+Z15	4	175	0.03	2.2	8.8				
ECT40002	PLT12*145.1	S355JR	1	170	0.06	2.3	2.3				
ECT40082	PLT12*145.1	S355JR	1	170	0.06	2.3	2.3				
ECT40091	PLT8*100.1	S355JR	2	520	0.11	3.3	6.5	SHIP_LOOSE			
ECT40092	PLT8*100.1	S355JR	2	520	0.11	3.3	6.5	SHIP_LOOSE			
TOTAL FOR 1 ASSEMBLY			20		6.53		566.2				
	BOLT M 24*65	A325M/GR 8.8	8	Site		0.33	2.60				
	BOLT M 30*100	A490M/GR 10.9(SC)	10	Site		0.82	8.19				
	NUT 24		8			0.10	0.83				
	NUT 30		10			0.29	2.87				
	WASHER 24		16			0.03	0.51				
	WASHER 30		20			0.08	1.53				
	STUD D 19 * 140	BS_EN_ISO_13918(SD-1)	12	Site		0.37	4.44				
TOTAL WT. FOR BOLT & STUD ASSEMBLY							20.98				
TOTAL WT. FOR 1 ASSEMBLY							587.2				
TOTAL WT. FOR 1 ASSEMBLIES							587.2				

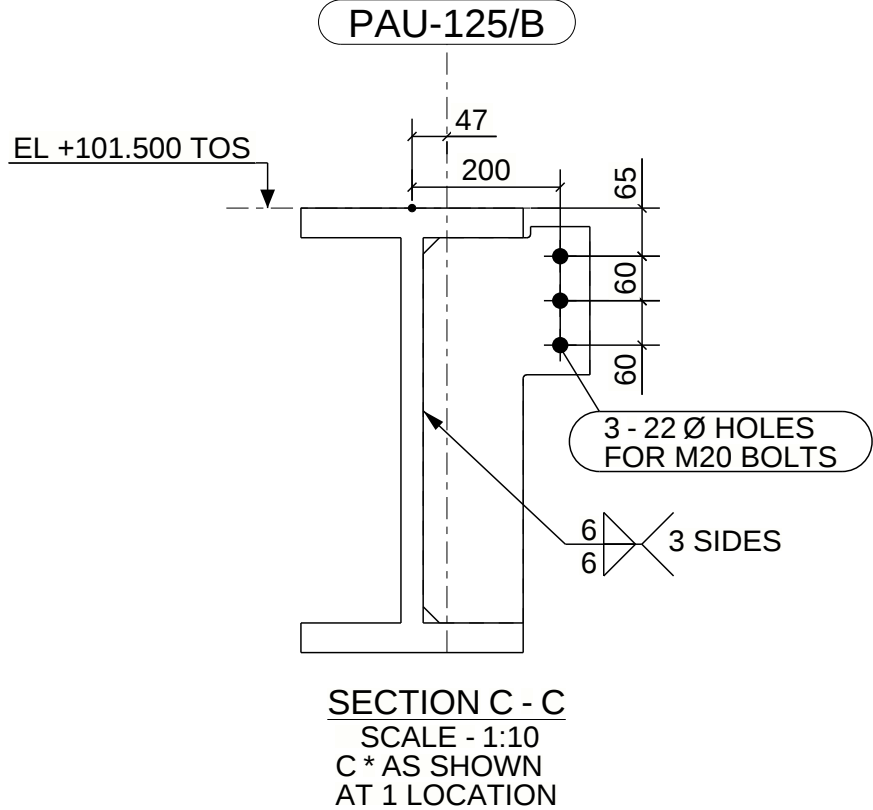
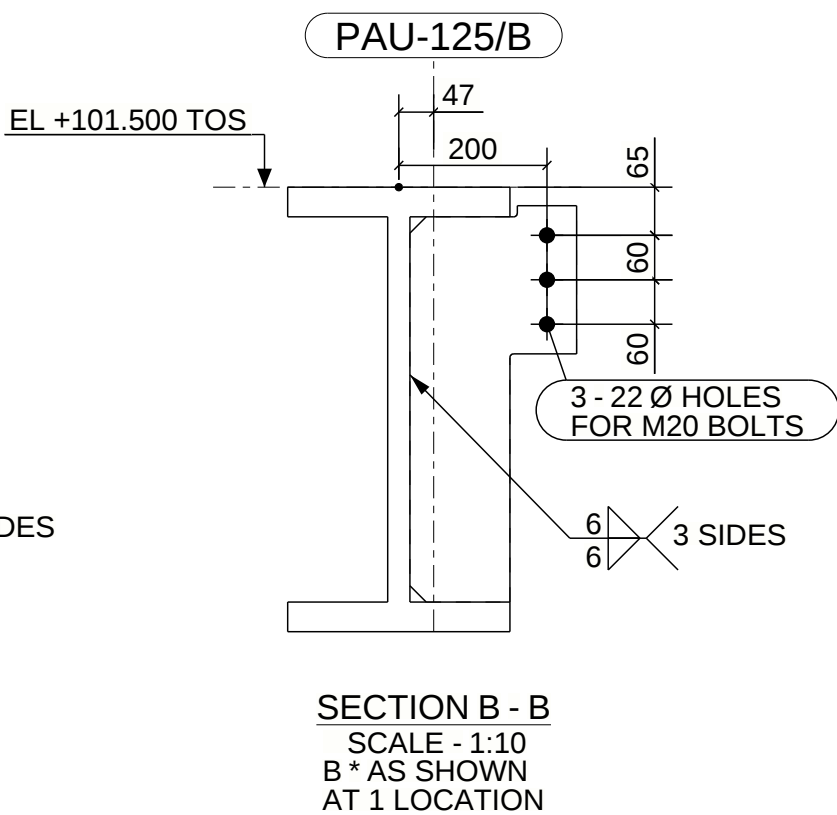
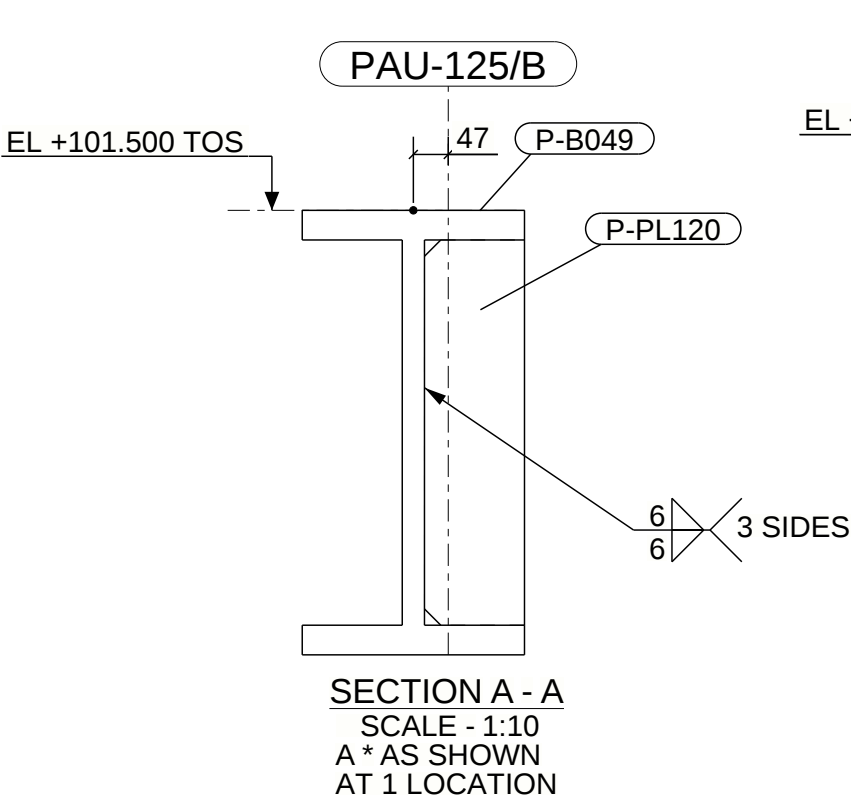
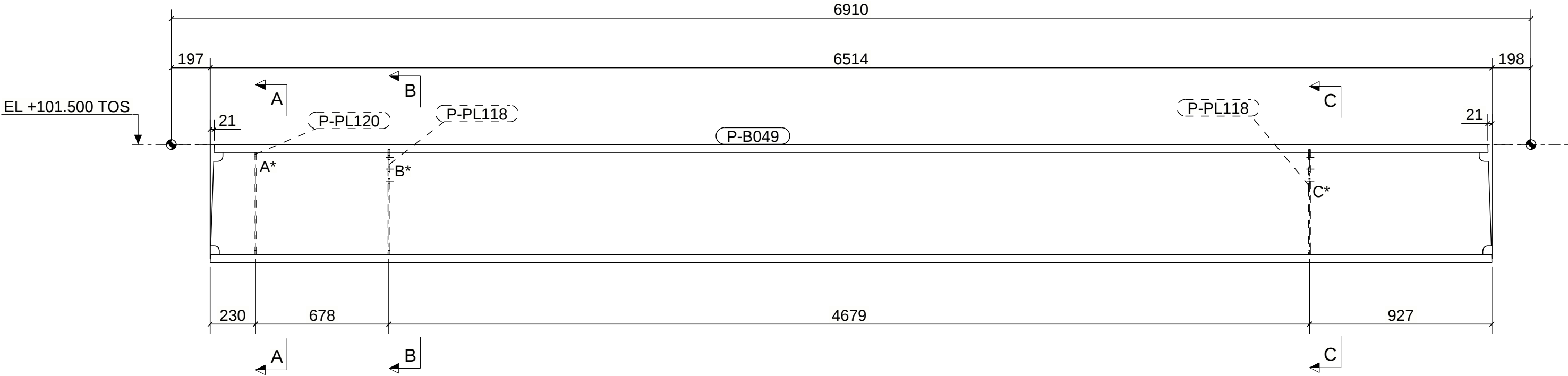


ONE No. CANTI_FLOOR_BEAM_L02 REQ'D AS DRAWN MK'D EL02-PF4021

ERECTION CLEATS TO BE REMOVED
AFTER INSTALLATION AT SITE

SHEET: 01 OF 02

MATERIAL LIST FOR ONE ASSEMBLY MK'D - PAU125-P-L1-B1														
MARK	DESCRIPTION	LENGTH (mm)	THICKNESS (mm)		QTY	MATERIAL	SAP CODE	UNIT WT (Kg/m)/(kg/m2)	TOTAL WT (Kg)	SURFACE AREA (m²)	WELD CAT	CONST. CAT	WT CAT	REMARK
			WIDTH/O.D/Ft	Wt/Pt.										
P-B049	PG 600X300X40X30	6514	40	30	1	GRADE 350		392.92	2018.56	15.27	SP	CC2	EHS	
P-PL118	PL10*225	535	225	10	2	GRADE 350	SP1131010.00ZZZZI	78.50	13.75	0.38	SP	CC2	LS	
P-PL120	PL10*135	520	135	10	1	GRADE 350	SP1131010.00ZZZZI	78.50	5.47	0.15	SP	CC2	LS	
TOTAL FOR ONE ASSEMBLY									2037.78	15.80				
TOTAL FOR 1 ASSEMBLY									2037.78	15.80				



ASSEMBLY DETAIL FOR PAU125-P-L1-B1
SCALE 1:10