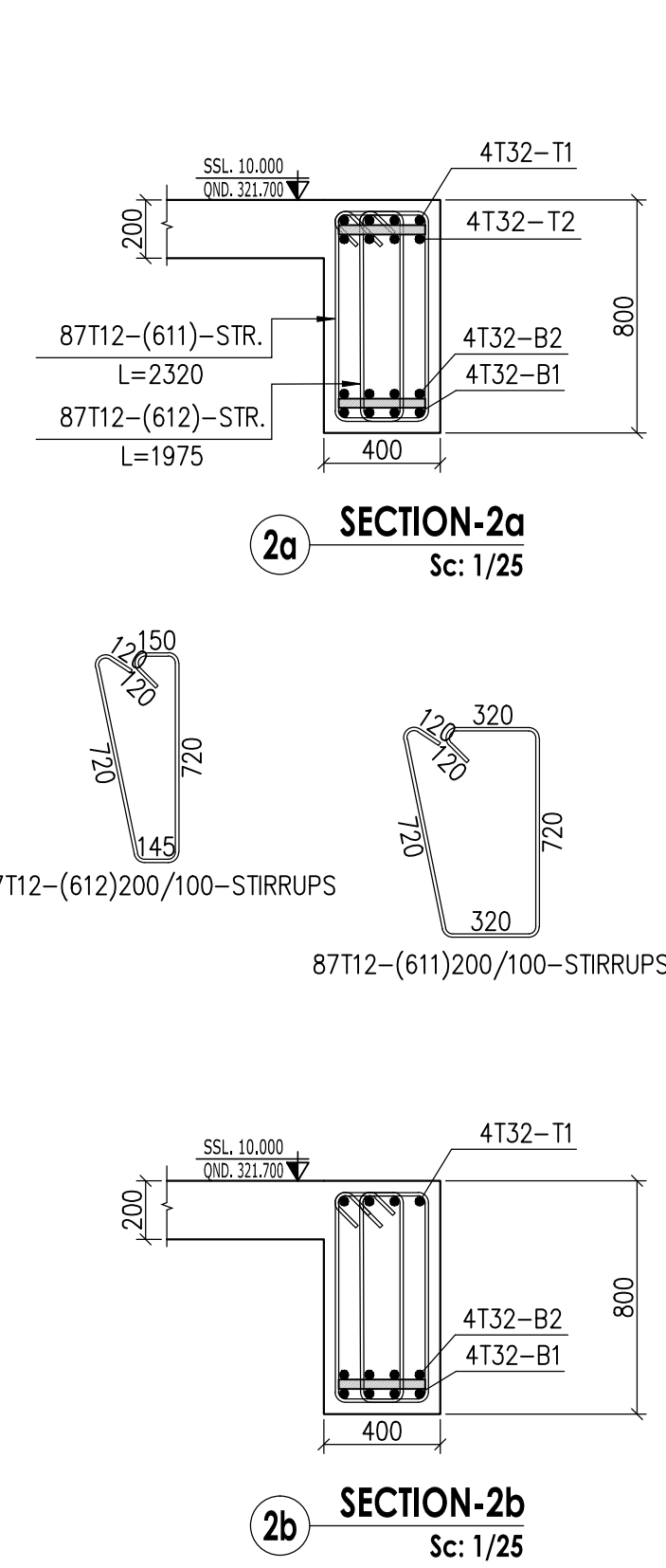
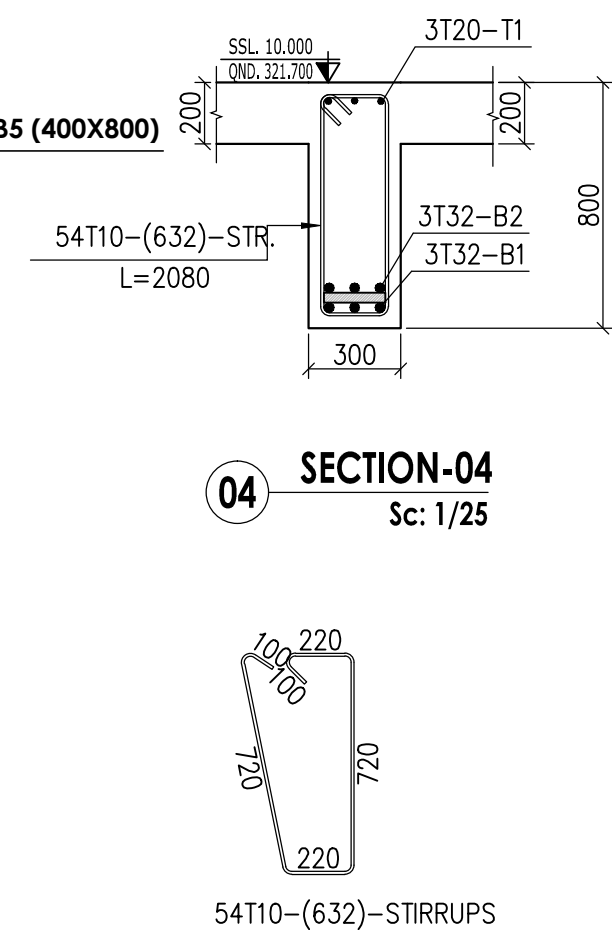
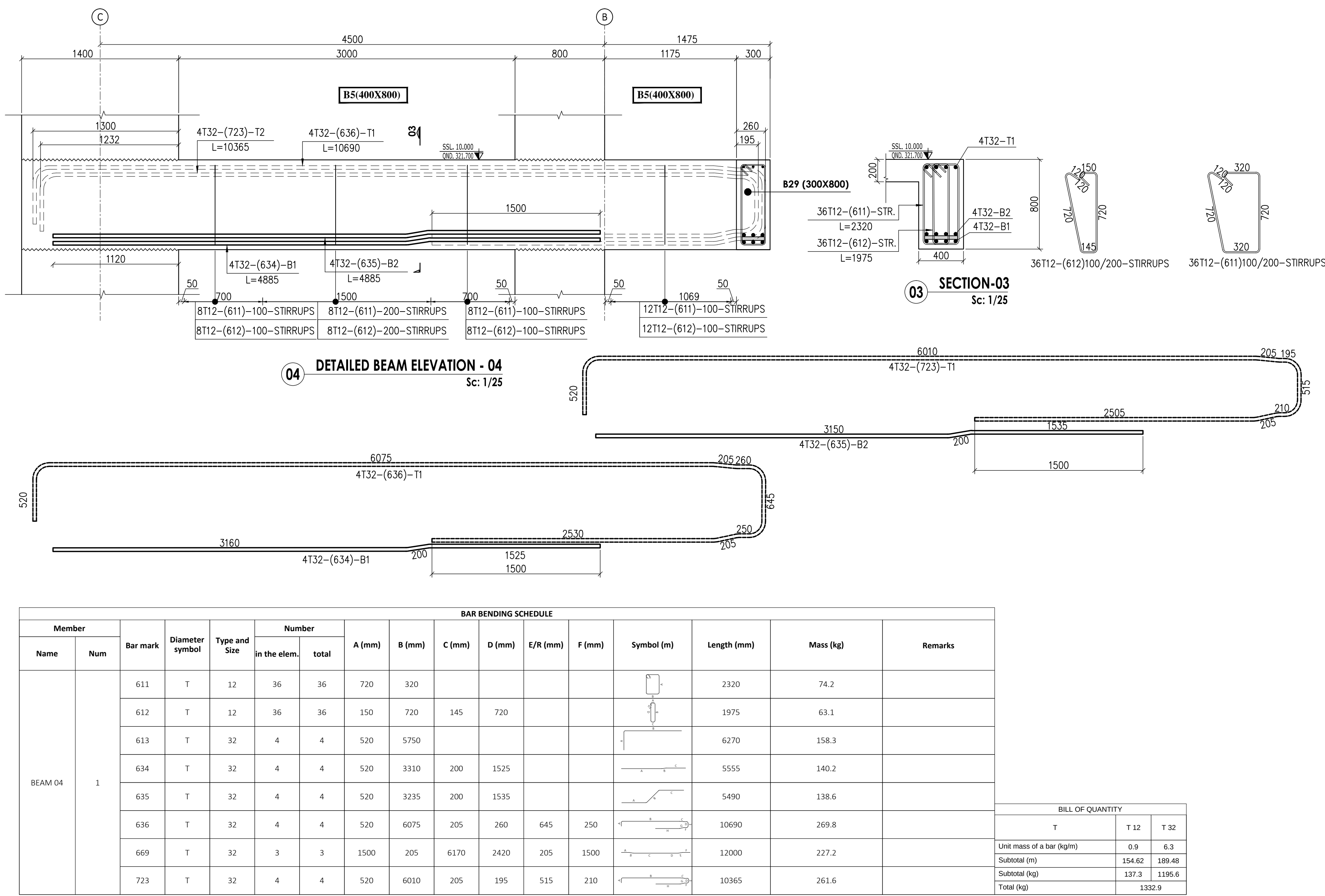
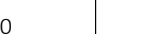
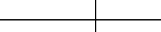
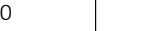
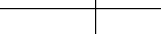
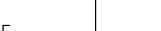
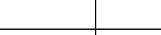
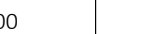




BAR BENDING SCHEDULE																
Member		Bar mark	Diameter symbol	Type and Size	Number		A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	Symbol (m)	Length (mm)	Mass (kg)	Remarks	
Name	Num				in the elem.	total										
BEAM 02	1	611	T	12	87	87	730	320					2330	179.2		
		612	T	12	87	87	150	720	145	720			1975	152.6		
		613	T	32	4	4	520	5750					6270	158.3		
		622	T	32	4	4	1900	200	4075	520			6695	169.0		
		623	T	32	4	4	1905	200	6555				8660	218.6		
		624	T	32	4	4	2920	520					3440	86.8		
		625	T	32	4	4	520	3595	200	1500			5815	146.8		
		626	T	32	4	4	520	3530	200	1500			5750	145.1		
		627	T	32	4	4	520	10090					10610	267.8		
		628	T	32	4	4	520	10925					10545	266.2		
		715	T	32	4	4	7555	520					8075	203.8		
716	T	32	4	4	3655	520					4175	105.4				
														BILL OF QUANTITY		
														T	T 12	T 32
														Unit mass of a bar (kg/m)	0.9	6.3
														Subtotal (m)	373.67	281.82
														Subtotal (kg)	332.8	1776.3
														Total (kg)		2110.1



BAR BENDING SCHEDULE																	
Member		Bar mark	Diameter symbol	Type and Size	Number		A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	F (mm)	Symbol (m)	Length (mm)	Mass (kg)	Remarks	
Name	Num				In the elem.	total											
BEAM 01	1	613	T	32	4	4	520	5750						6270	158.3		
		632	T	10	54	54	720	220						2080	69.3		
		665	T	32	3	3	5300	590	2400					8290	156.9		
		666	T	32	3	3	5360	720	2465					8545	161.8		
		667	T	32	3	3	1500	205	6170	2420	205	1500		12000	227.2		
		669	T	32	3	3	1500	205	6170	2420	205	1500		12000	227.2		
		670	T	32	3	3	5365	720	2570					8655	163.8		
		671	T	32	3	3	5300	590	2505					8395	158.9		
		771	T	20	3	3	1500	205	2895	205	1500			6305	46.7		
		BILL OF QUANTITY															
T		T 10	T 20	T 32													
Unit mass of a bar (kg/m)		0.6	2.5	6.3													
Subtotal (kg)		112.32	18.91	198.74													
Subtotal (kg)		69.3	48.7	1254.0													
Total (kg)		1370.0															

GENERAL NOTES :

LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

NO.	Drawing Number	Rev.	Title
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Revision Schedule

Rev.	Description	Date

Project :

Client :

Project management Consultant :

Supervision Consultant:

Contractor :

Shop Drawing Consultant :

Design Consultant :

Building Title :

Drawing Title

Scale : 1:50

AT AC

Date : _____ Comm. No. _____

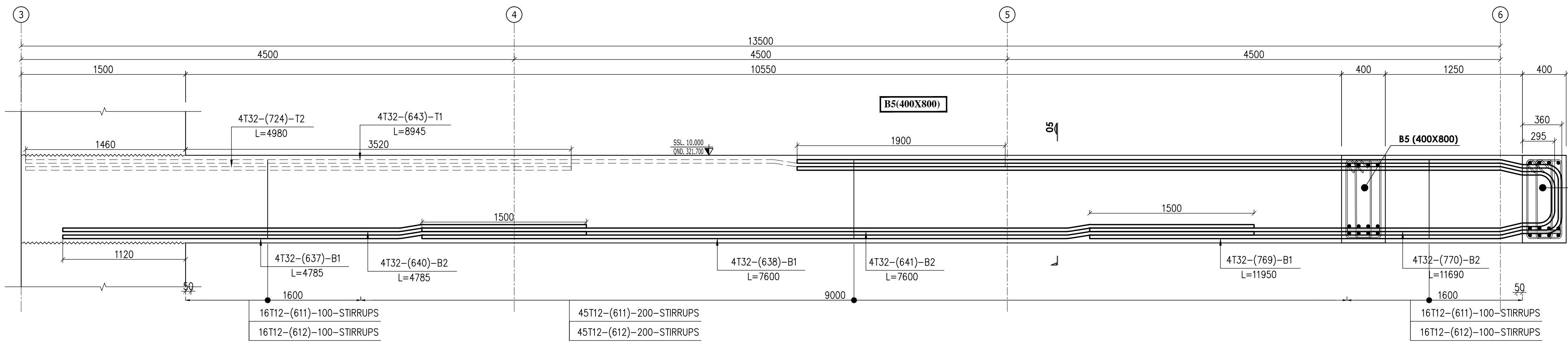
Engineers	In Charge	Drawn By	Checked By
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Project Code			
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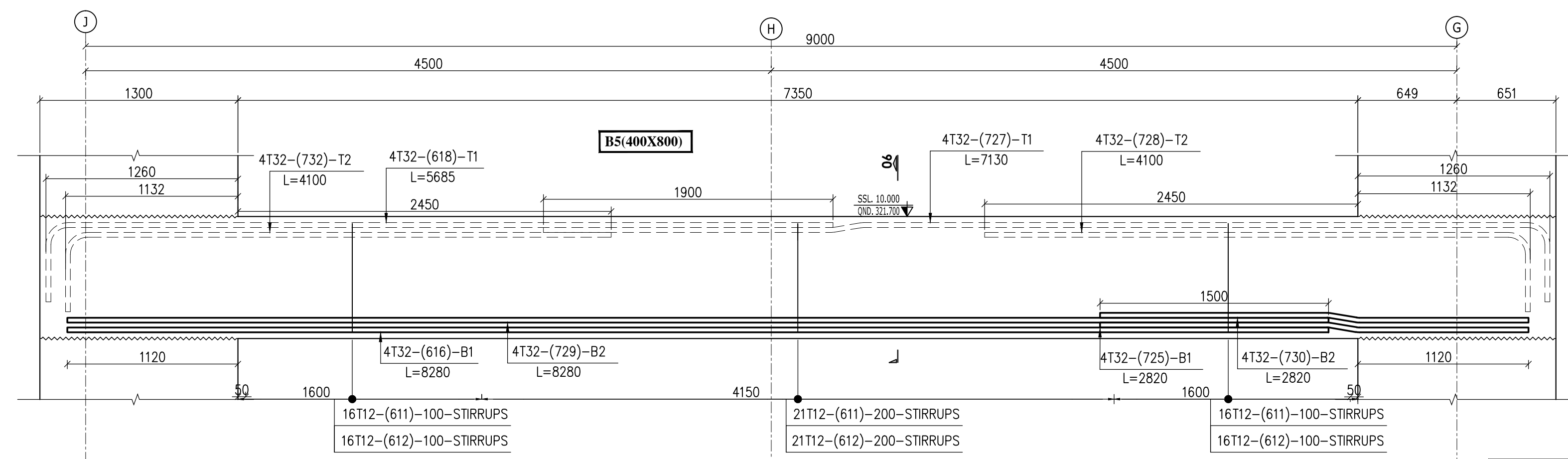
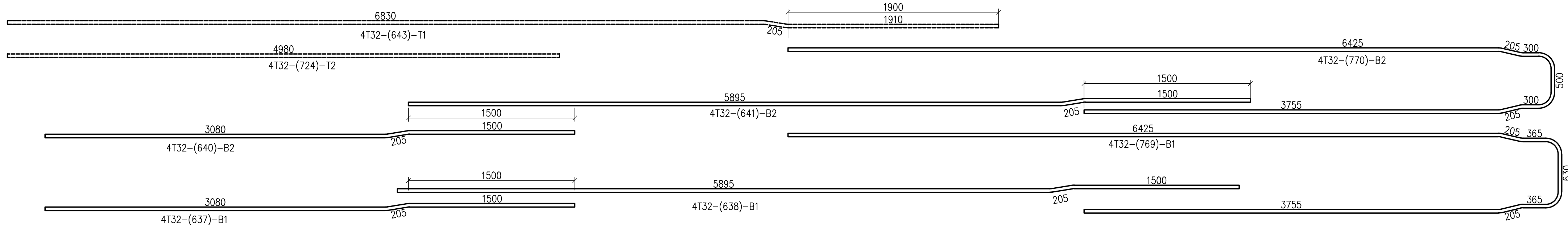
Project ID	City	Desk	Stage	Zone	Dist	Floor	Doc Type	Doc No	Social No	Doc
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Project ID	Orig.	Fact.	Stage	Zone	Flot	Flood	Doc. Type	Chg.	Serial No.	Rev
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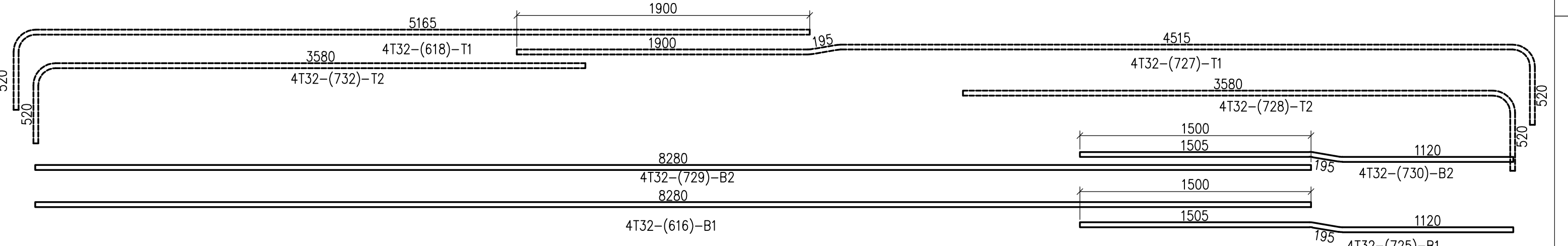
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03 DETAILED BEAM ELEVATION - 03
Sc: 1/25



11 DETAILED BEAM ELEVATION - 11
Sc: 1/25

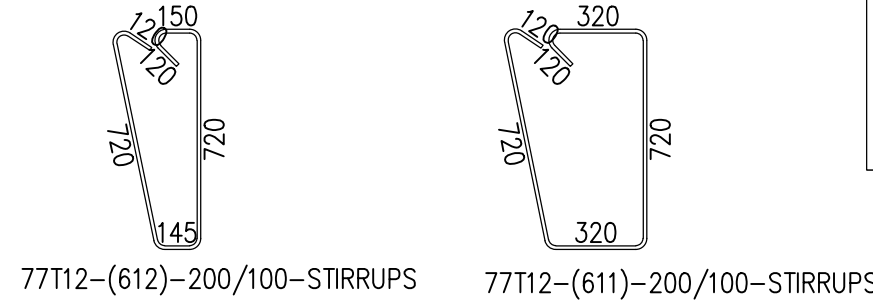


BAR BENDING SCHEDULE															
Member		Bar mark	Diameter symbol	Type and Size	Number		A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	Symbol (m)	Length (mm)	Mass (kg)	Remarks
Name	Num				in the elem.	total									
BEAM 11	1	611	T	12			720	320							
		612	T	12			150	720	145	720					
		613	T	32	4	4	520	5750					6270	158.3	
		616	T	32	4	4	520	8355					8875	224.0	
		618	T	32	4	4	520	5185					5685	143.5	
		725	T	32	4	4	520	1195	195	1505			3415	86.2	
		727	T	32	4	4	520	4515	195	1900			7130	180.0	
		728	T	32	4	4	520	3580					4100	103.5	
		729	T	32	4	4	520	8225					8745	220.7	
		730	T	32	4	4	520	1070	195	1505			3290	83.0	
BEAM 11	1	732	T	32	4	4	520	3580					4100	103.5	

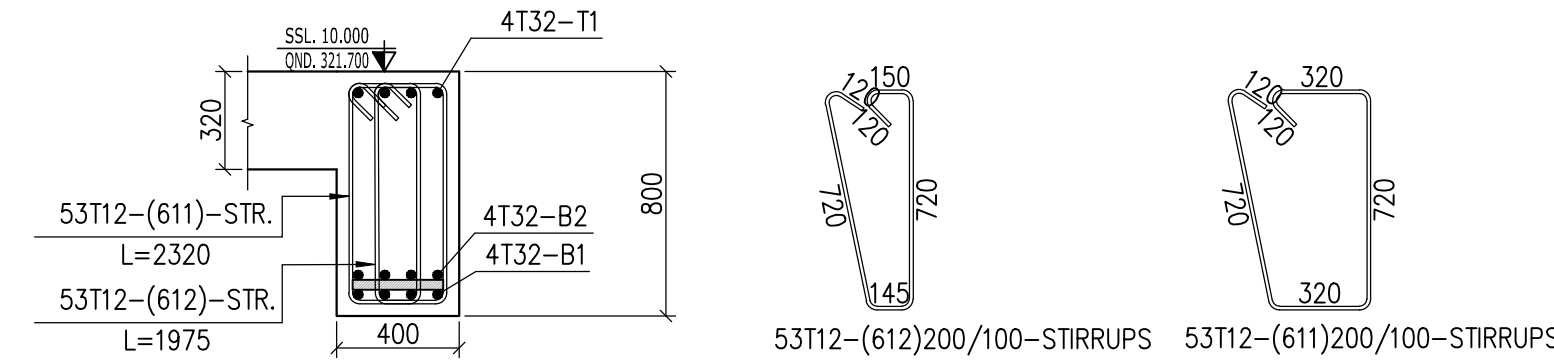
BILL OF QUANTITY			
T	T 12	T 32	
Unit mass of a bar (kg/m)	0.9	6.3	
Subtotal (m)	300.72	274.38	
Subtotal (kg)	265.7	1733.3	
Total (kg)		2000.0	

BILL OF QUANTITY			
T	T 12	T 32	
Unit mass of a bar (kg/m)	0.9	6.3	
Subtotal (m)	300.72	274.38	
Subtotal (kg)	265.7	1733.3	
Total (kg)		2000.0	

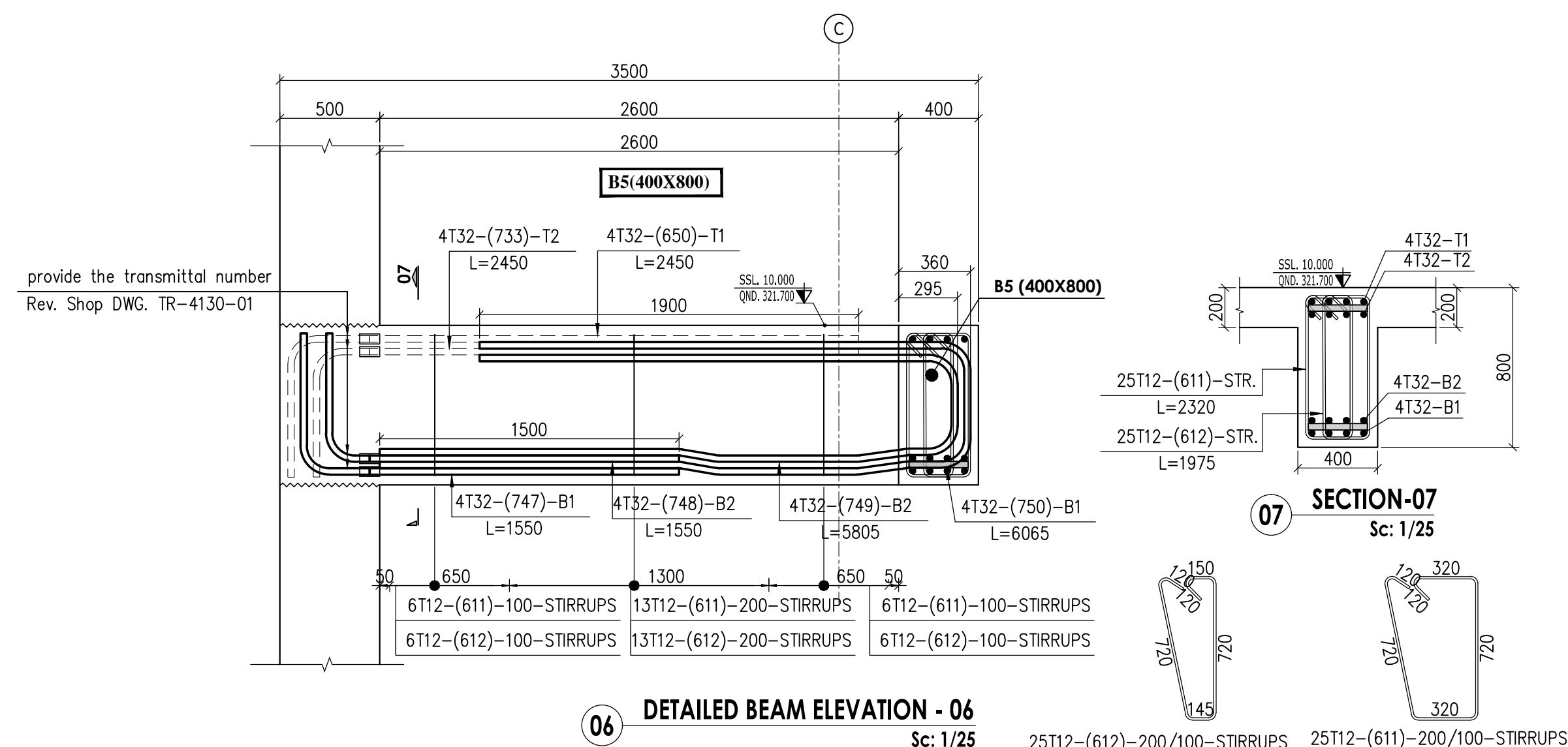
BAR BENDING SCHEDULE																
Member		Bar mark	Diameter symbol	Type and Size	Number		A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	F (mm)	Symbol (m)	Length (mm)	Mass (kg)	Remarks
Name	Num				In the elem.	total										
BEAM 03	1	611	T	12	77	77	720	320						2320	158.6	
		612	T	12	77	77	150	720	145	720				1975	135.0	
		613	T	32	4	4	520	5750						6270	158.3	
		637	T	32	4	4	3080	205	1500					4785	120.8	
		638	T	32	4	4	5885	205	1500					7600	191.8	
		640	T	32	4	4	3080	205	1500					4785	120.8	
		641	T	32	4	4	5885	205	1500					7600	191.8	
		643	T	32	4	4	6825	205	1910					8840	225.6	
		724	T	32	4	4	4975							4975	125.6	
		769	T	32	4	4	6425	205	365	630	365	205		11950	301.6	
		770	T	32	4	4	6425	205	300	500	300	205		11690	295.1	



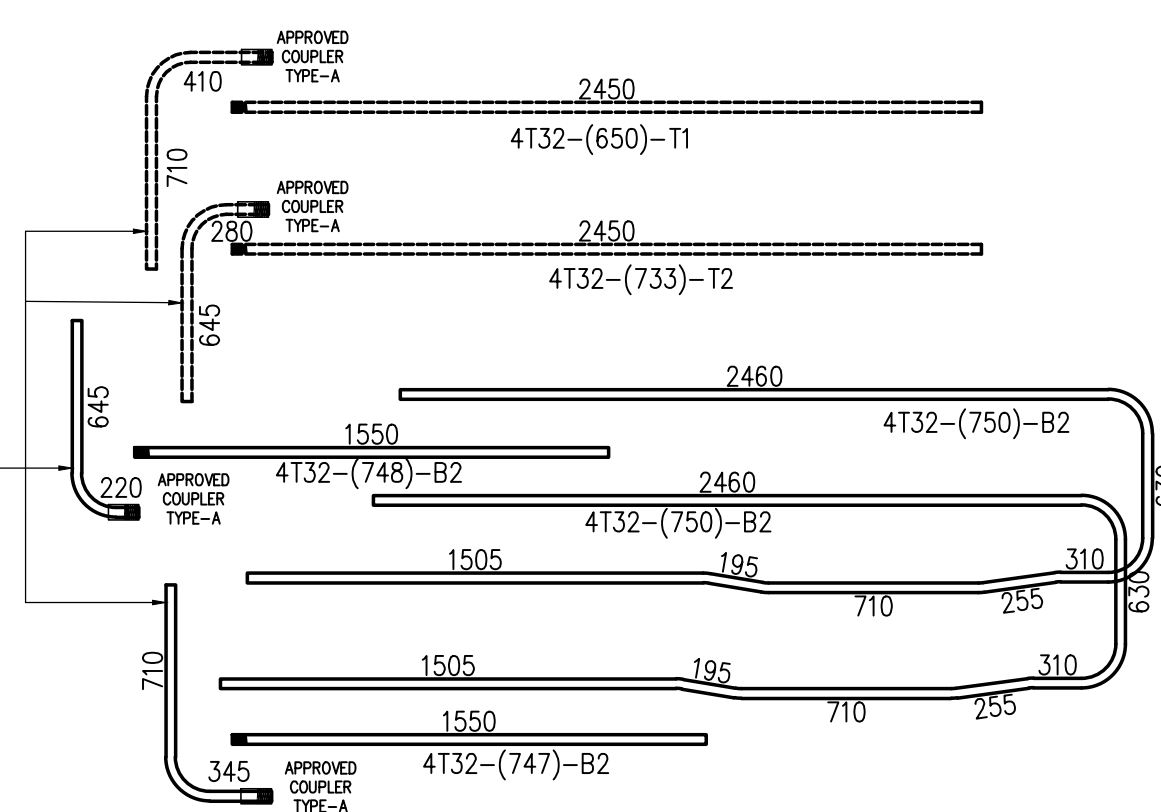
05 SECTION-05
Sc: 1/25



06 SECTION-06
Sc: 1/25

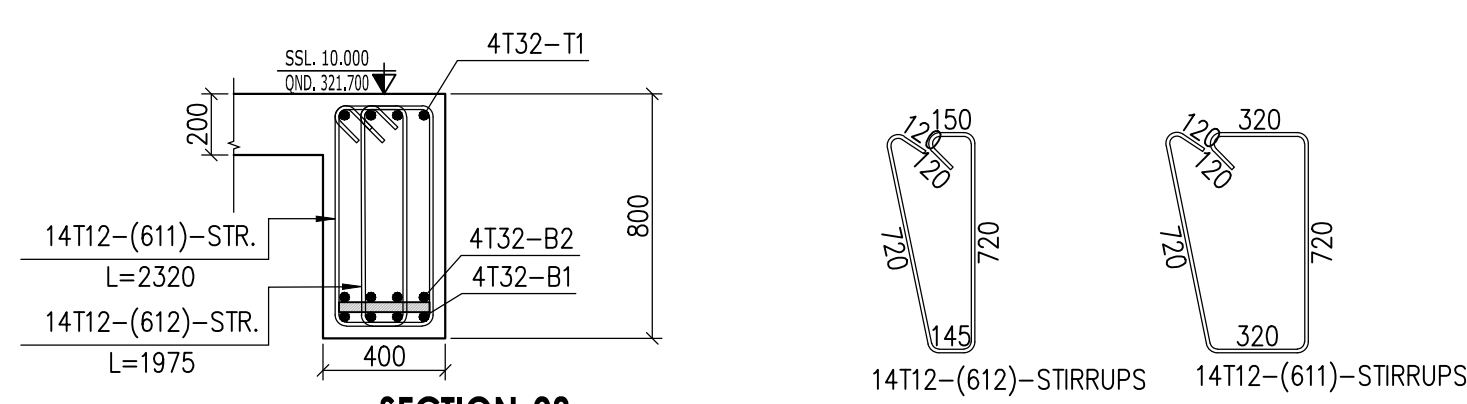


06 DETAILED BEAM ELEVATION - 06
Sc: 1/25



Member		BAR BENDING SCHEDULE														
Name	Num	Bar mark	Diameter symbol	Type and Size	Number		A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	F (mm)	Symbol (m)	Length (mm)	Mass (kg)	Remarks
					in the elem.	total										
BEAM 06	1	611	T	12	25	25	720	320						2320	51.5	
		612	T	12	25	25	150	720	145	720				1975	43.8	
		613	T	32	4	4	520	5750						6270	158.3	
		650	T	32	4	4	2450							2450	61.8	Threaded
		733	T	32	4	4	2450							2450	61.8	Threaded
		747	T	32	4	4	1550							1550	39.1	Threaded
		748	T	32	4	4	1550							1550	39.1	Threaded
		749	T	32	4	4	2395	500	245	255	710	195		5805	146.5	
		750	T	32	4	4	2460	630	310	255	710	195		6065	153.1	

BILL OF QUANTITY			
T	T 12	T 32	
Unit mass of a bar (kg/m)	0.9	6.3	
Subtotal (m)	107.38	104.58	
Subtotal (kg)	96.7	659.3	
Total (kg)		756.1	



08 SECTION-08
Sc: 1/25

BAR BENDING SCHEDULE																	
Member		Bar mark	Diameter symbol	Type and Size	Number		A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	F (mm)	Symbol (m)	Length (mm)	Mass (kg)	Remarks	
Name	Num				In the elem.	total											
BEAM 05	1	611	T	12	39	39	720	320						2320	80.3		
		612	T	12	39	39	150	720	145	720				1975	68.4		
		613	T	32	4	4	520	5750						6270	158.3		
		644	T	32	4	4	1900	200	3255						5355	135.2	
		645	T	32	4	4	2475	205	265	645	260	205			8385	213.6	
		669	T	32	3	3	1500	205	6170	2420	205	1500			12000	227.2	
		735	T	32	4	4	1475								1475	37.2	
		736	T	32	4	4	2475	205	200	520	195	205			8130	205.2	
		739	T	32	4	4	1950								1950	49.2	Threaded
		740	T	32	4	4	1550								1550	39.1	Threaded
		741	T	32	4	4	1550								1550	39.1	Threaded
		742	T	32	4	4	1500	205	3405	200	1505				6815	172.0	
		743	T	32	4	4	1500	205	3405	200	1505				6815	172.0	

BILL OF QUANTITY			
T	T 12	T 32	
Unit mass of a bar (kg/m)	0.9	6.3	
Subtotal (m)	167.51	229.19	
Subtotal (kg)	148.7	1446.1	
Total (kg)		1594.8	

GENERAL NOTES :

LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

NO.	Drawing Number	Rev.	Title
1.			
2.			
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10.			

Revision Schedule

Rev.	Description	Date

Keyplan:

Project :

Client :

Project management Consultant :

Supervision Consultant:

Contractor :

Shop Drawing Consultant :

Design Consultant :

Building Title :

Drawing Title :

Scale : 1:50

Date :

Comm. No.

Engineers

Project Code

In Charge

Drawn By

Checked By

Project ID

Orig

Pack

Stage

Zone

Plot

Floor

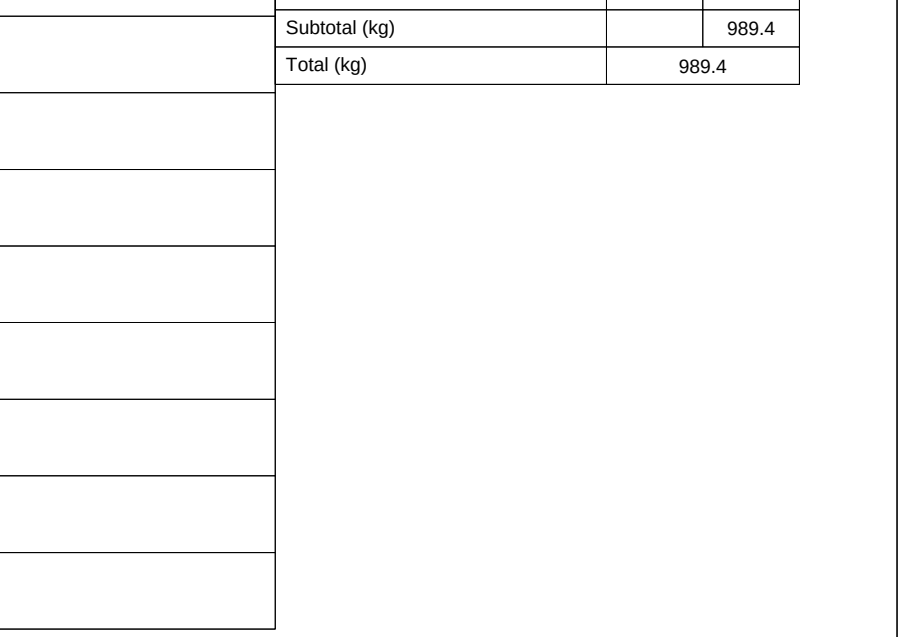
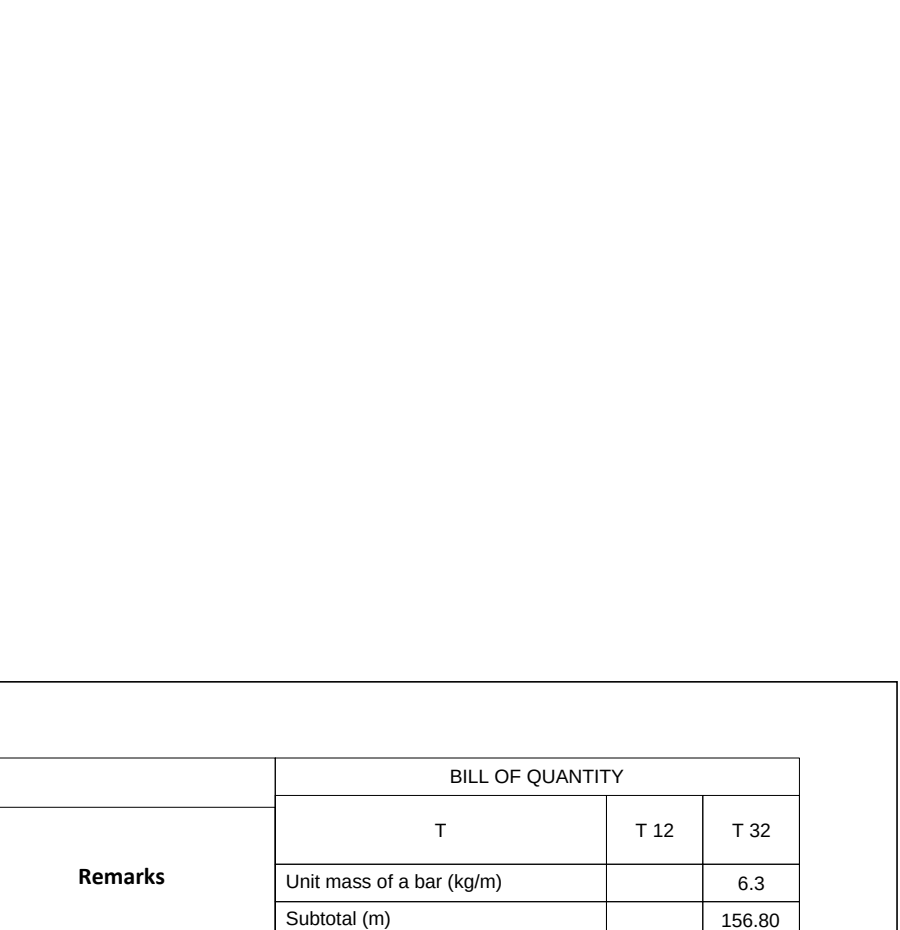
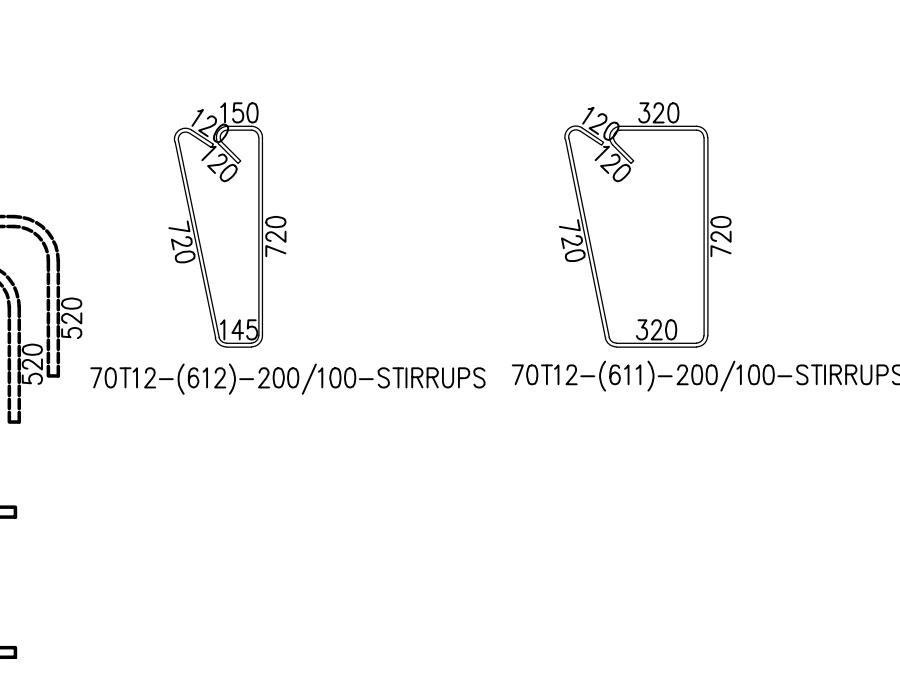
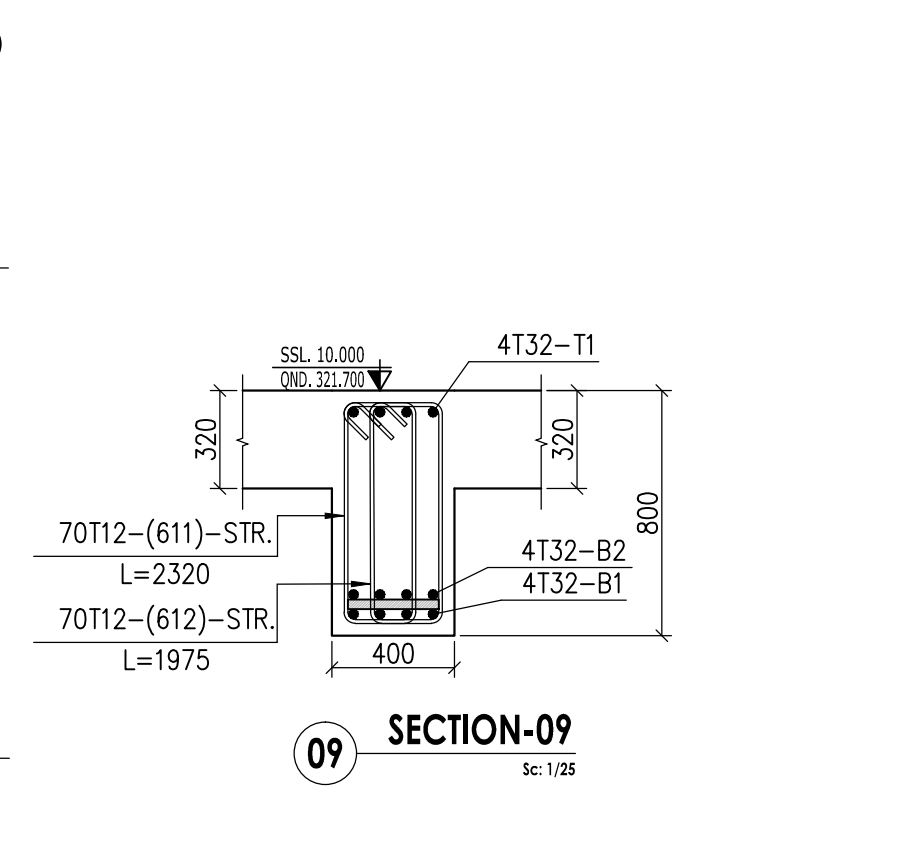
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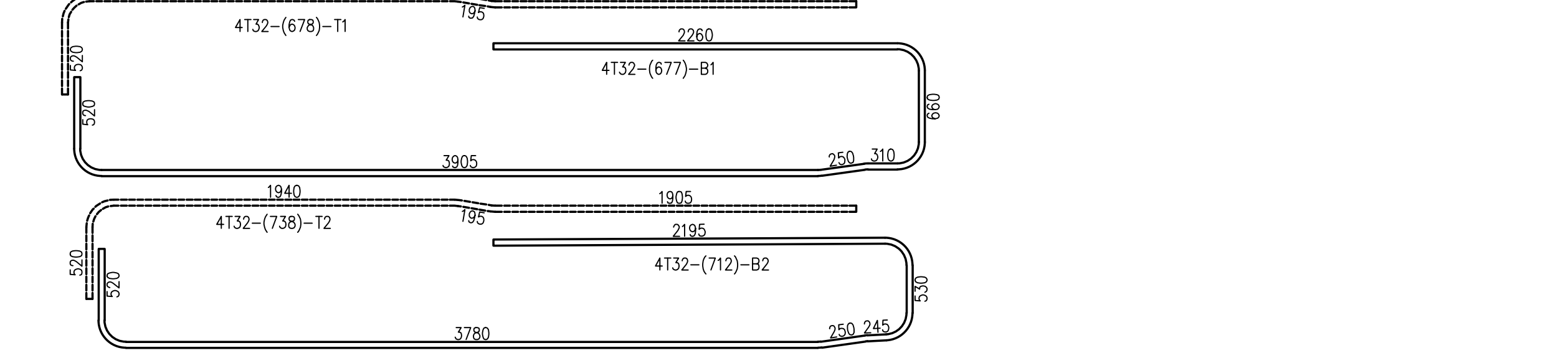
Type

Disc

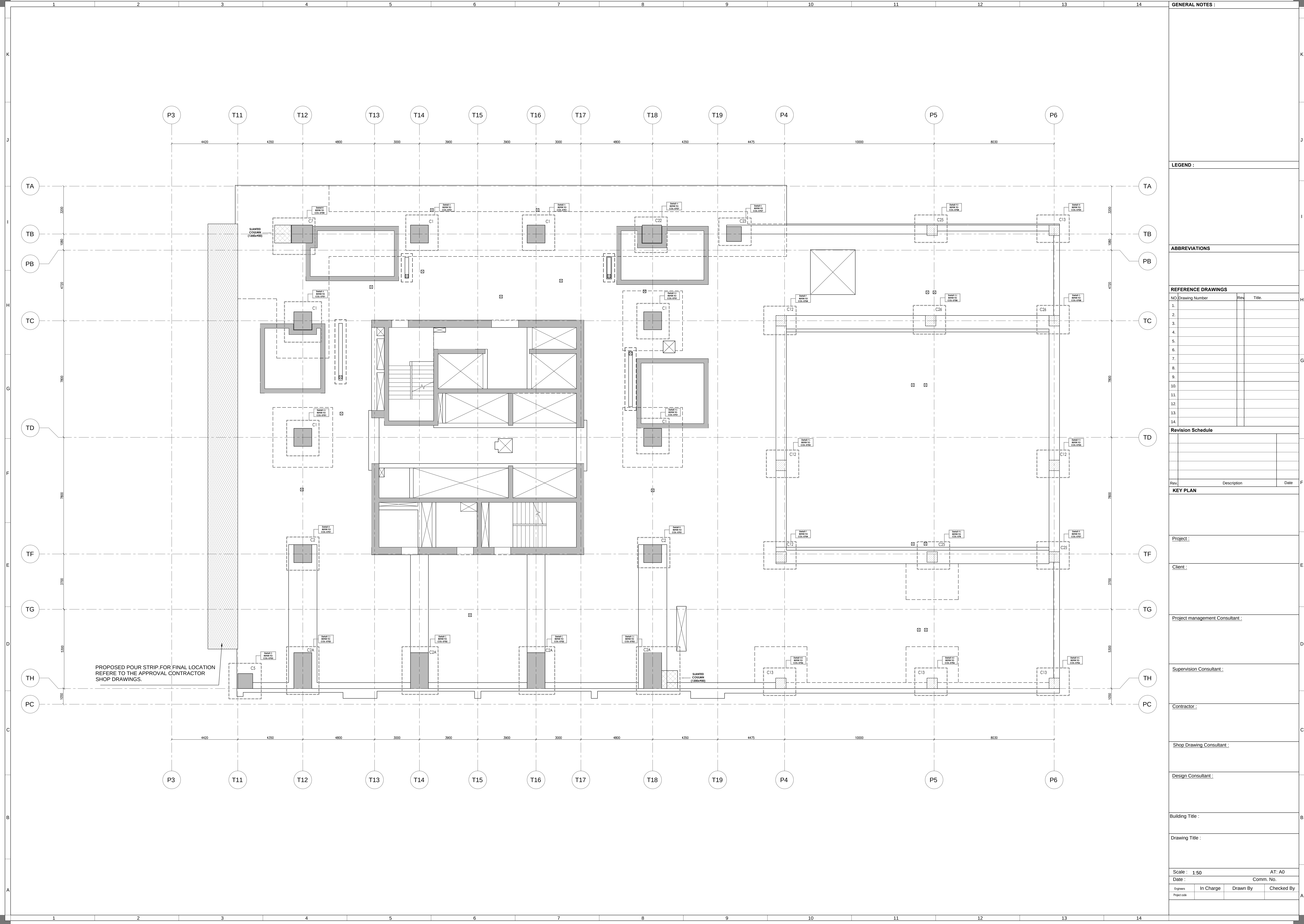
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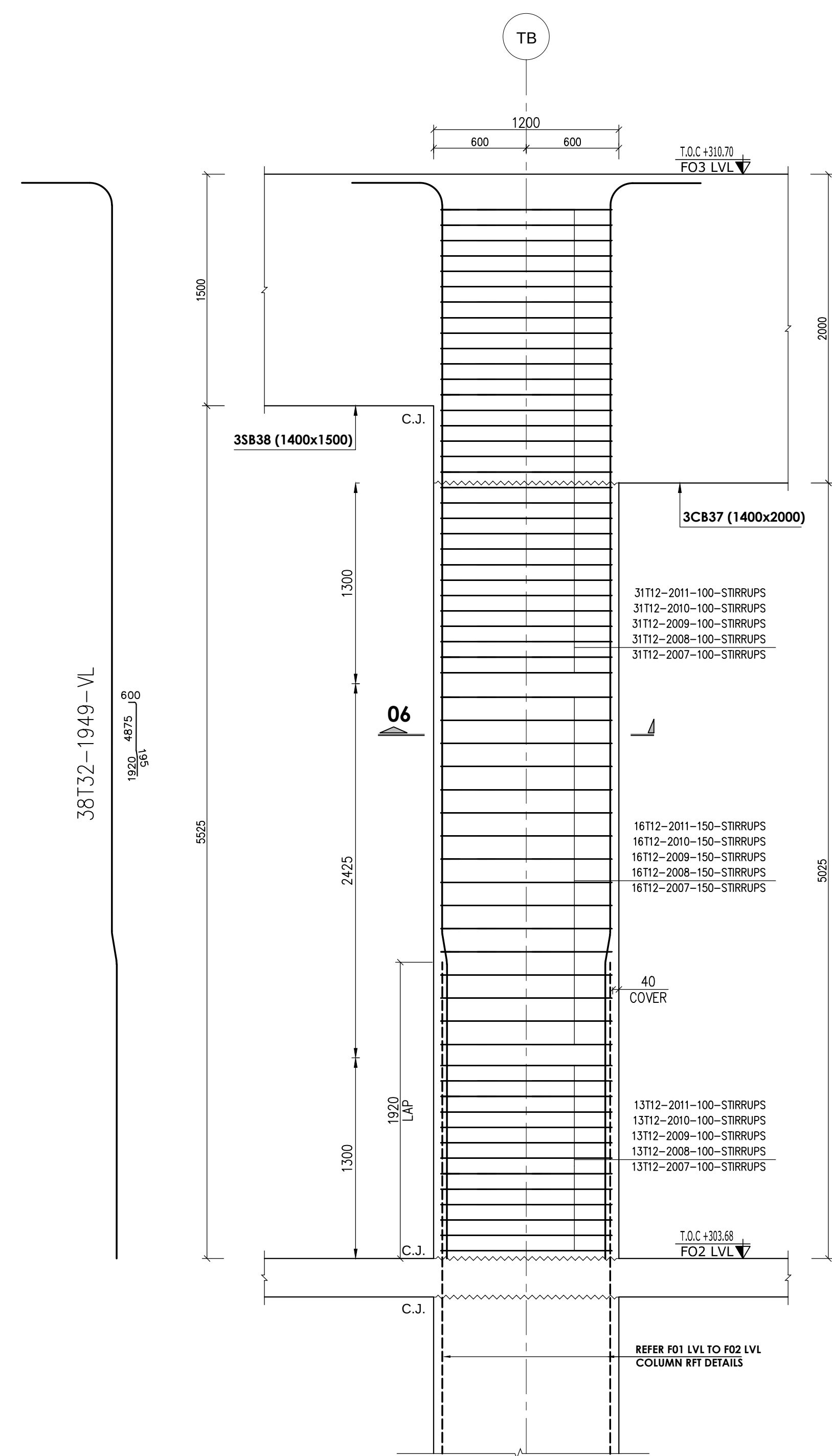
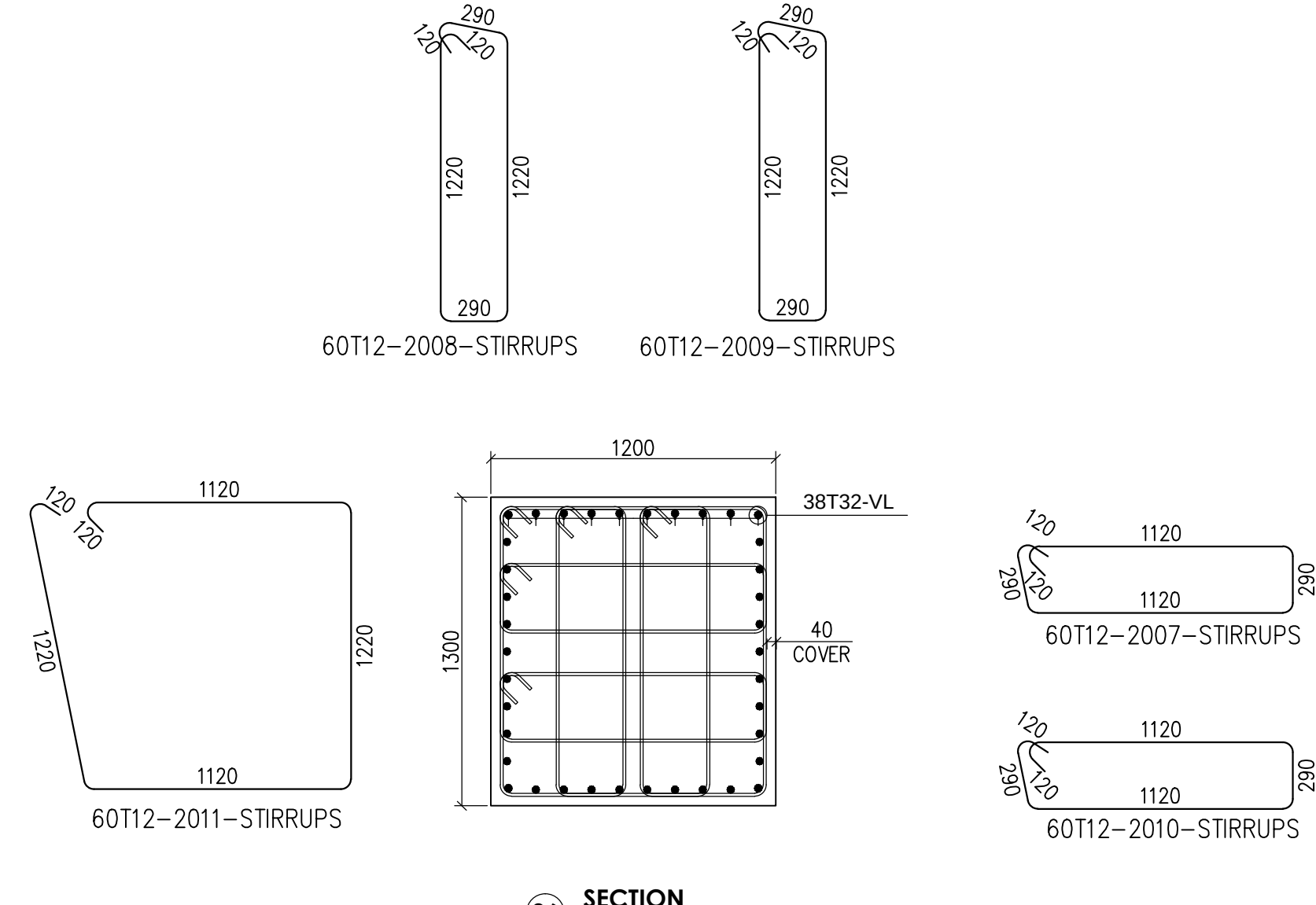
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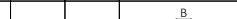


Scale : 1:50										AT A	
Date :										Comm. No	
Engineers Project Code		In Charge		Drawn By		Checked By					
Project Id	Orig	Pack	Stage	Zone	Plot	Floor	Doc.Type	Disc.	Serial No	Rev	



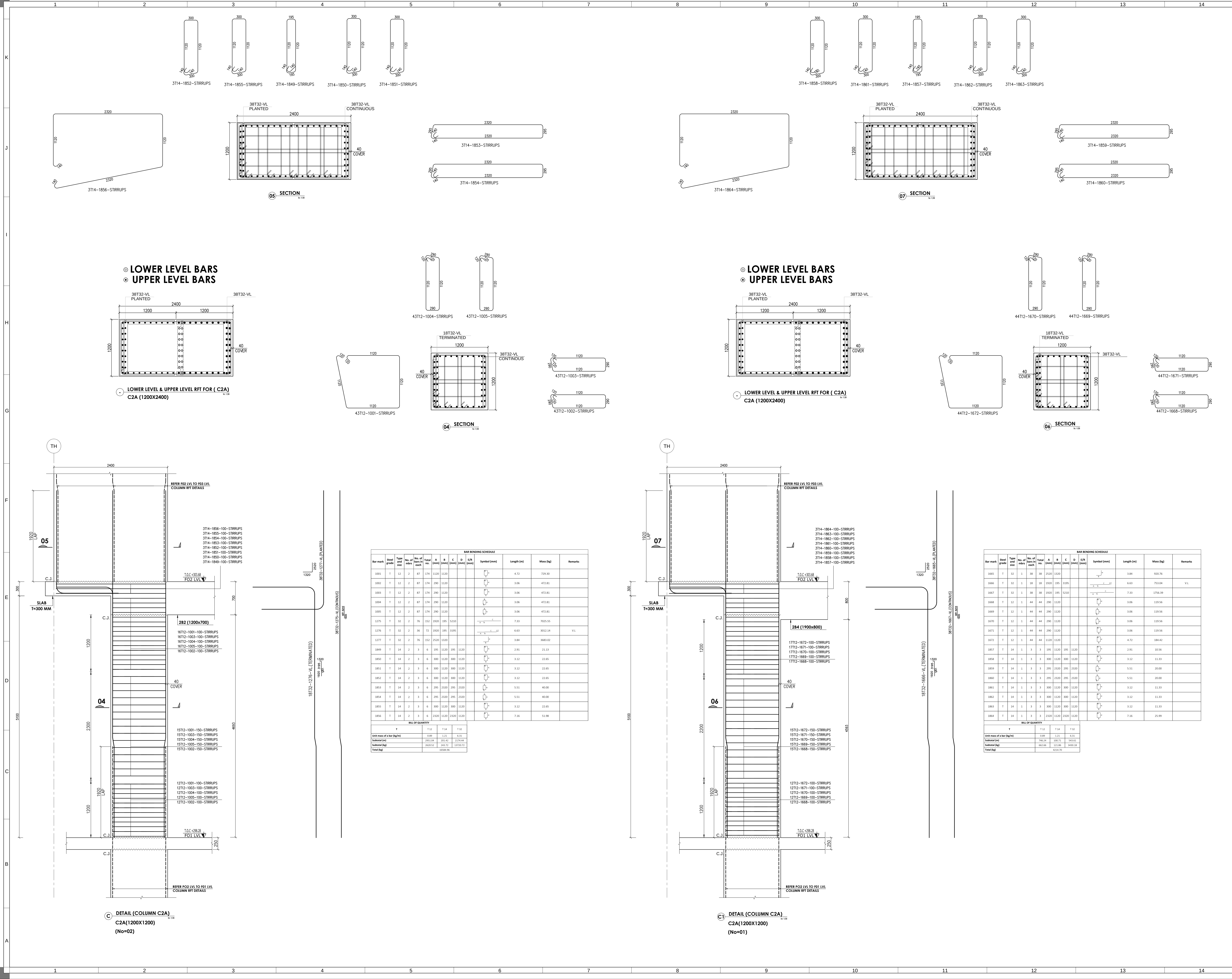


D **DETAIL (COLUMN C22)**
C22(1200X1300)
(No=01)

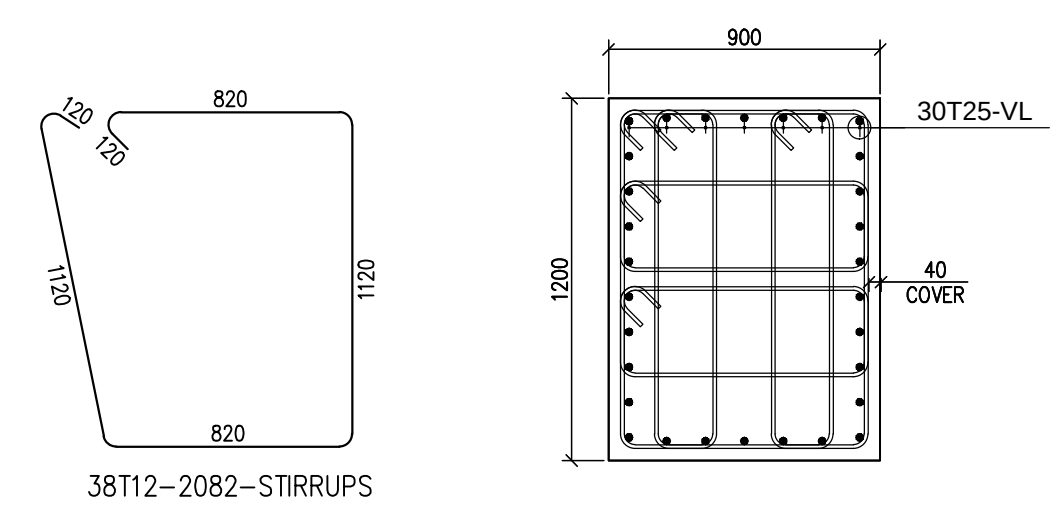
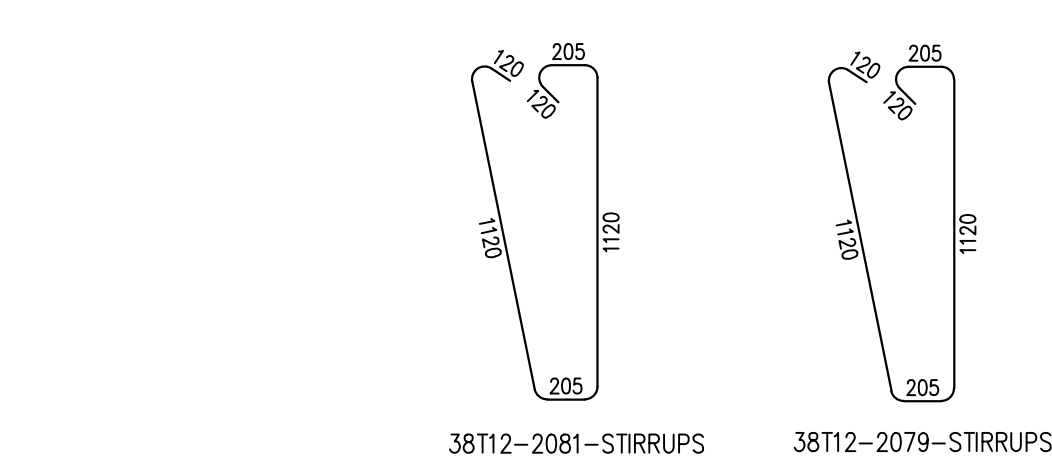
B&B BENDING SCHEDULE												
Bar mark	Steel grade	Type of reinforcement	No. of reinforcement	Total no.	A (mm)	B (mm)	C (mm)	D (mm)	Symbol (mm)	Length (m)	Mass (kg)	Remarks
1840	T	32	1	18	18	4875	350	1500		7.99	1810.93	
2007	T	12	1	60	60	290	1120	290		3.06	163.04	
3008	T	12	1	60	60	280	1220	290		3.26	173.69	
3009	T	12	1	60	60	290	1220	290		3.26	173.69	
2010	T	12	1	60	60	290	1120	290		3.06	163.04	
2011	T	12	1	60	60	1220	1120	1220		4.92	262.14	
B&B OF QUANTITY												
T				12	12	121						
With mass of steel (kg/m)				1.88	4	4.50						
Subtotal (kg)				2551.00	268.42							
Subtotal (kg)				933.60	101.95							
Total (kg)				2765.55								

Drawing Title

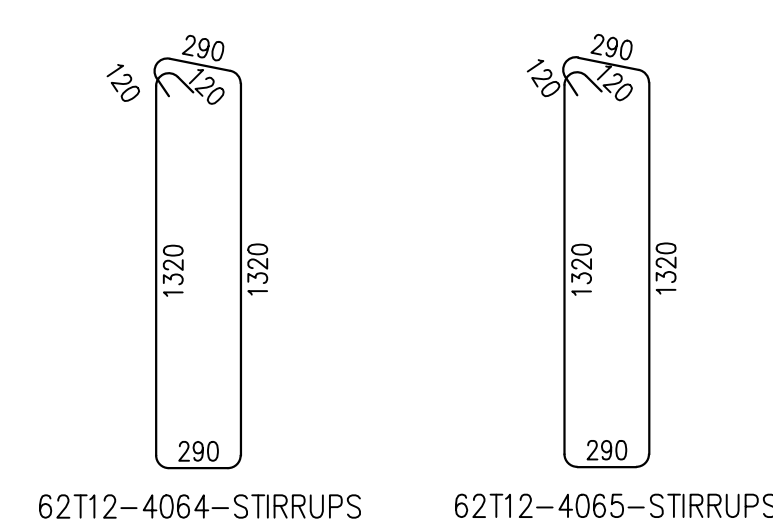
Engineer	In Charge	Drawn By	Checked By
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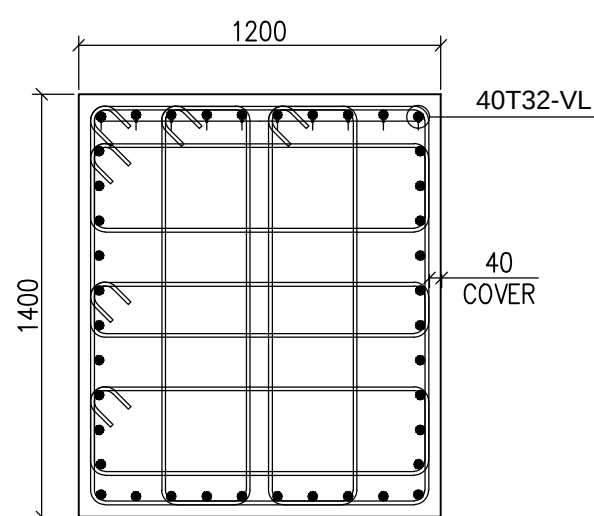
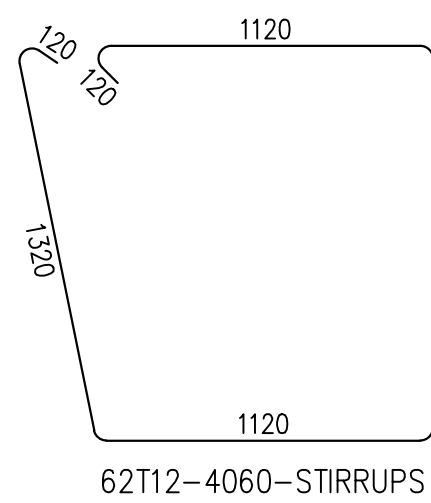
GENERAL NOTES :			
LEGEND :			
ABBREVIATIONS			
REFERENCE DRAWINGS			
NO	Drawing Number	Rev	Title
1.			
2.			
3.			
4.			
5.			
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7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
Revision Schedule			
Rev	Description	Date	
KEY PLAN			
Project :			
Client :			
Project management Consultant :			
Supervision Consultant :			
Contractor :			
Shop Drawing Consultant :			
Design Consultant :			
Building Title :			
Drawing Title :			
Scale : 1:50		AT: A0	
Date :		Comm. No.	
Engineers	In Charge	Drawn By	Checked By
Project code			



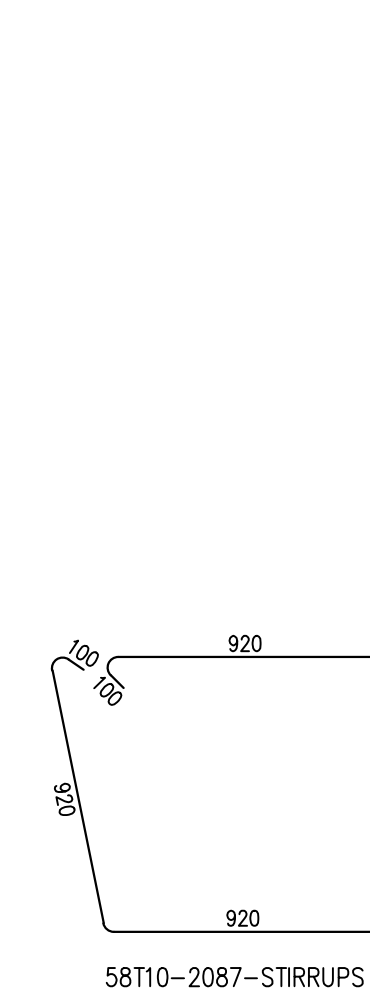
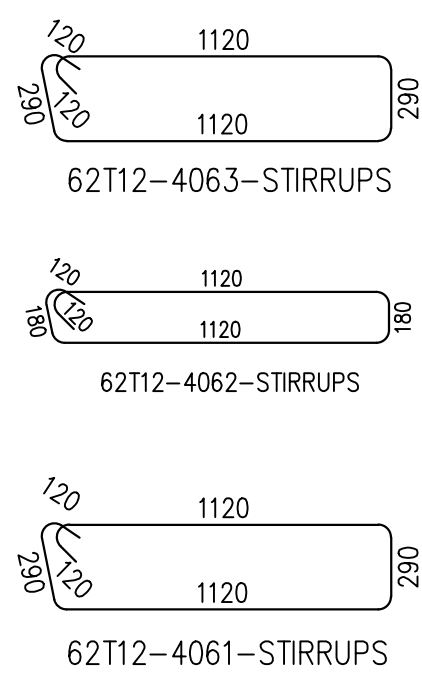
07 SECTION Sec: 1/25



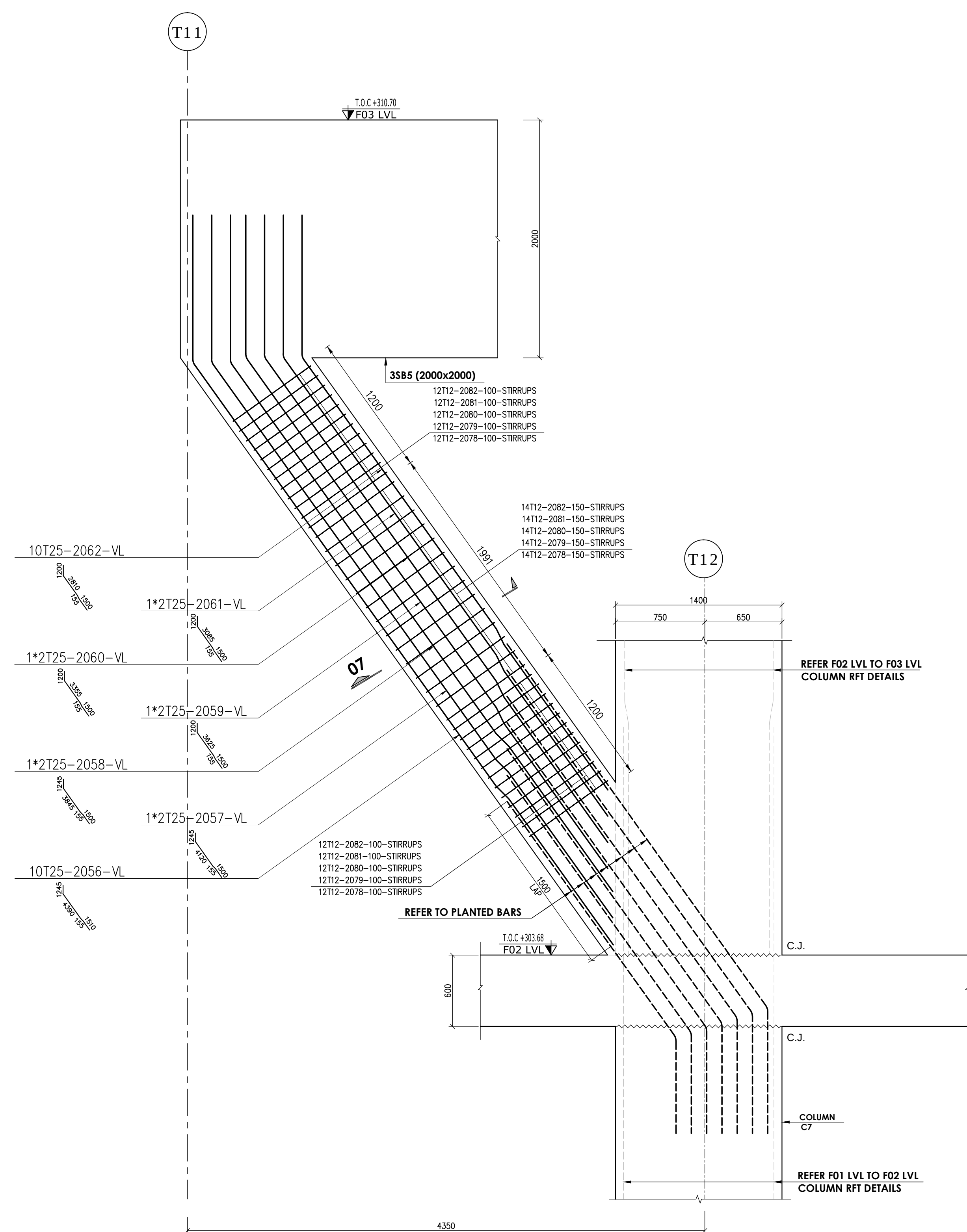
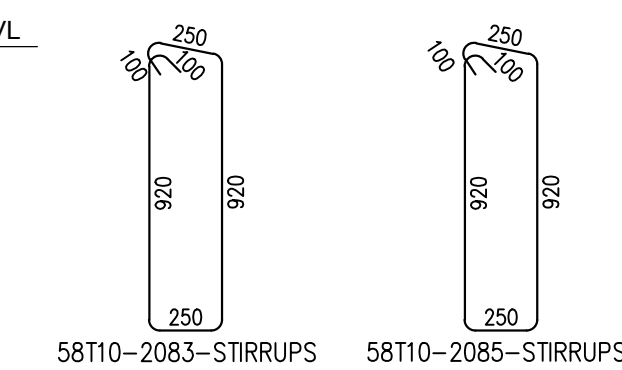
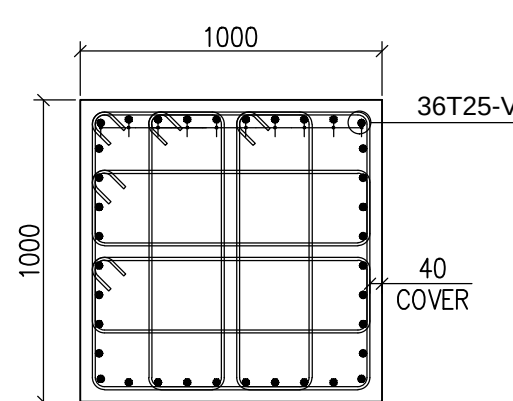
08 SECTION



08 SECTION

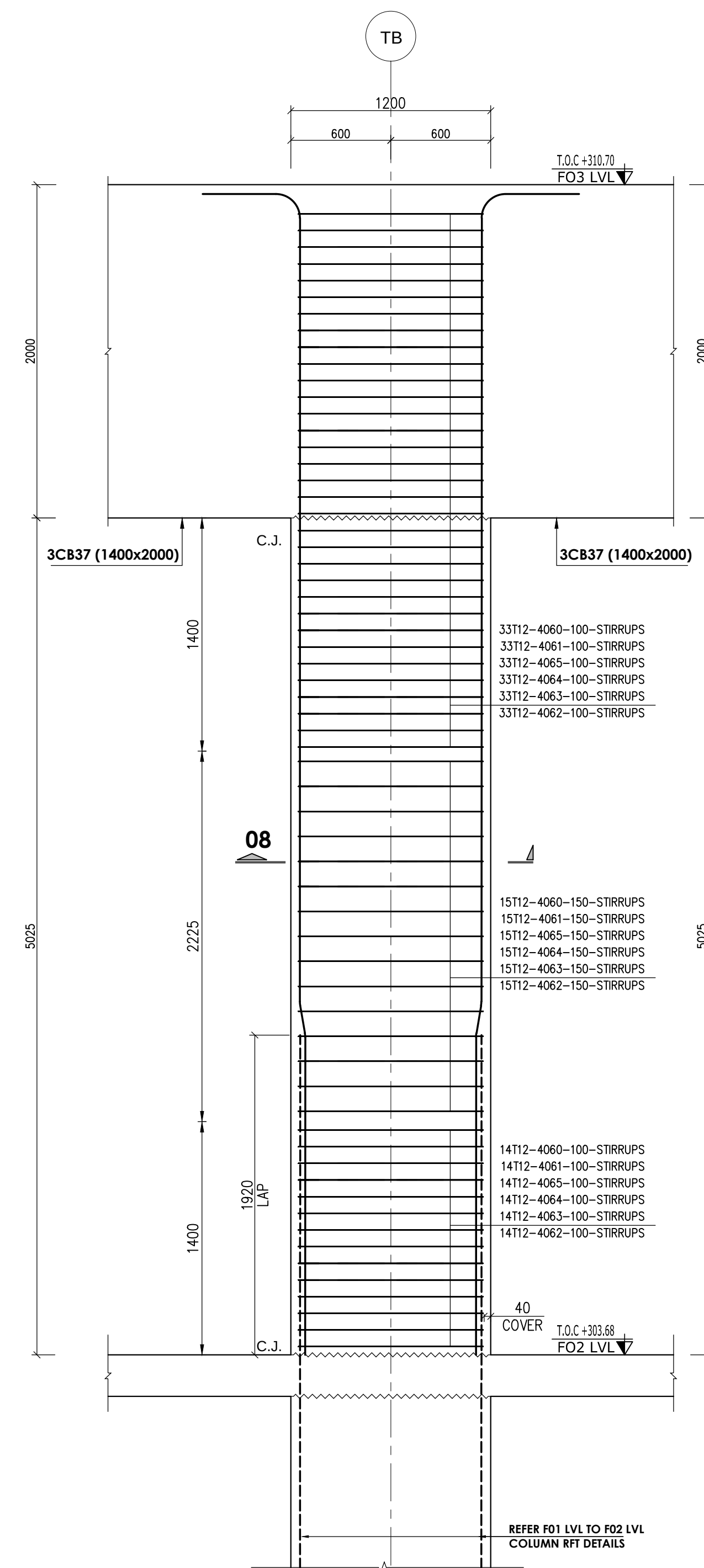


09 SECTION



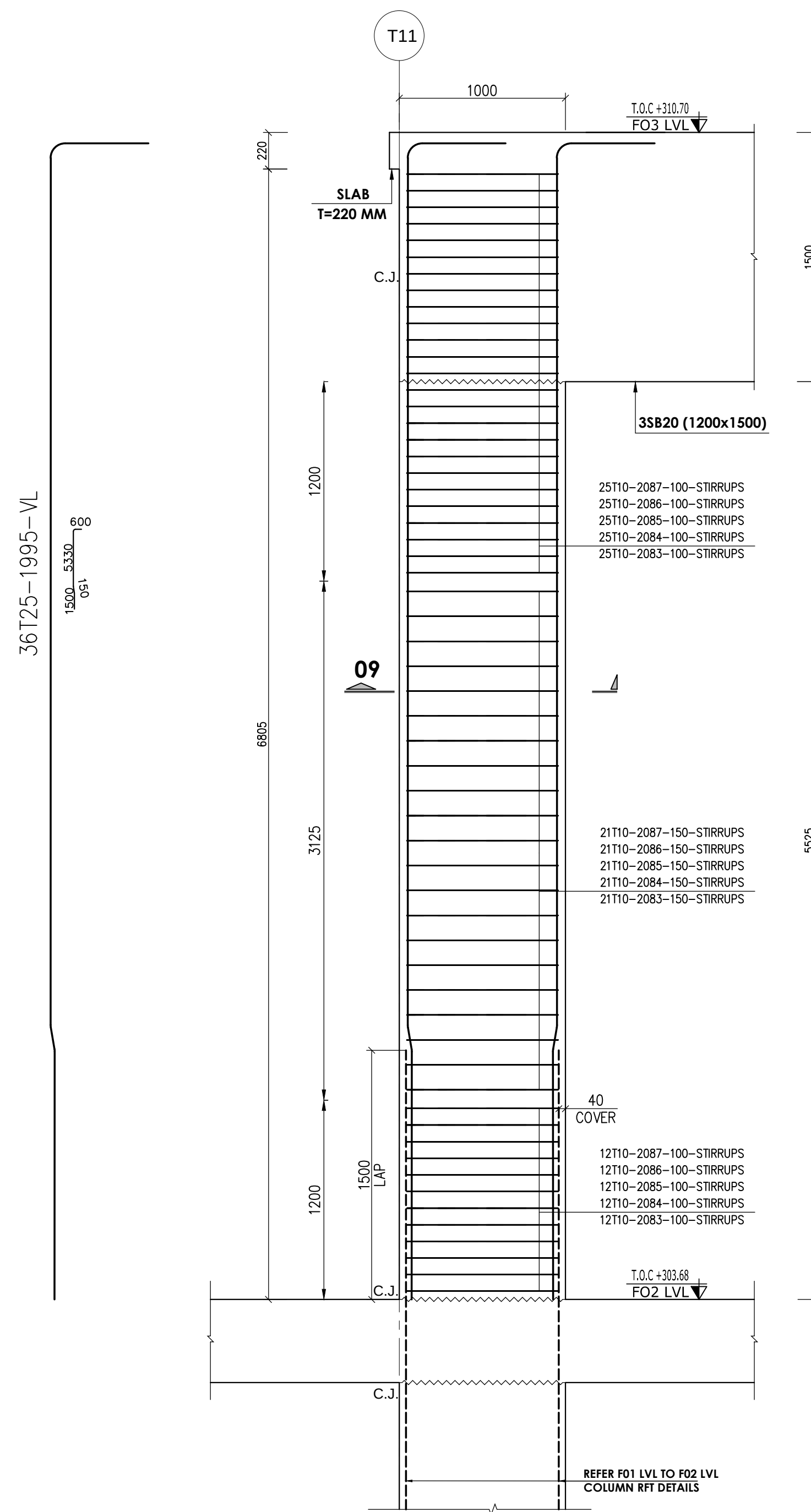
Z **DETAIL (SLANTED COLUMN)**
(900X1200)
(No=01) Sc: 1/2

BAM SCHEDULING SCHEDULE													
Bar mat	Steel grade	Type and size of reinforcement	No. of bars in each	Total no. of bars	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Symbol (mm)	Length (m)	Mass (kg)	Remarks
2056	T	25	1	10	10	1510	155	4350	1245		7.30	281.05	
2057	T	25	1	2	2	1500	155	4130	1245		7.02	54.05	
2058	T	25	1	2	2	1500	155	3885	1245		6.75	51.04	
2059	T	25	1	2	2	1500	155	3625	1200		6.48	49.90	
2060	T	25	1	2	2	1500	155	3355	1200		6.21	47.82	
2061	T	25	1	2	2	1500	155	3085	1200		5.94	45.74	
2062	T	25	1	10	10	1500	155	2810	1200		5.67	218.10	
2078	T	12	1	38	38	900	820				2.48	83.69	
2079	T	12	1	38	38	1120	820				2.89	97.52	
2080	T	12	1	38	38	900	820				2.48	83.69	
2081	T	12	1	38	38	1120	820				2.89	97.52	
2082	T	12	1	38	38	1120	820				6.12	1370.03	
BILL OF QUANTITY													
T					1	12	1	20					
Unit mass of a bar (kg)					0.89	3.05							
Subtotal (kg)					564.68	194.44							
Subtotal (kg)					565.84	768.59							
Total (kg)						1574.68							



C **DETAIL (COLUMN C7)**
C7(1200X1400)
(No=01)

BAR BENDING SCHEDULE													
Bar no.	Steel grade	Type of member	No. of bars	No. of laps	Total no. of bars	A (mm)	B (mm)	C (mm)	D/E (mm)	Symbol (ref)	Length (m)	Mass (kg)	Remarks
1348	T	32	1	40	40	4875	255	1500			7.59	2915.72	
4050	T	32	1	62	62	1100	1100	1100	1100		5.12	281.89	
4051	T	32	1	62	62	290	1100	290	1100		3.06	168.47	
4052	T	32	1	62	62	180	1100	180	1100		2.84	156.36	
4053	T	32	1	62	62	290	1100	290	1100		3.06	168.47	
4054	T	32	1	62	62	290	1100	290	1100		3.66	190.49	
4055	T	32	1	62	62	290	1100	290	1100		3.66	190.49	
BILL OF QUANTITY													
S					1	112	1.91						
Unit mass of a bar (kg/m)						6.80	6.93						
Subtotal (m)						130.00	901.60						
Subtotal (kg)							901.60	1513.72					
Total (kg)								901.60	1513.72				



T **DETAIL (COLUMN C5)**
C5(1000X1000)
(No=01)

BAR BENDING SCHEDULE													
Bar mark	Steel grade	Type size	Type size	No. of bars	Total length (mm)	A (mm)	B (mm)	C (mm)	D/E (mm)	Symbol (mm)	Length (m)	Mass (kg)	Remarks
2003	T	25	1	36	36 (100)	250	1330				7.56	1070.59	V/L
2003	T	10	1	58	58 (250)						2.54	90.90	
2004	T	10	1	58	58 (250)						2.54	90.90	
2005	T	10	1	58	58 (250)						2.54	90.90	
2006	T	10	1	58	58 (250)						2.54	90.90	
2007	T	10	1	58	58 (250)						2.54	90.90	
BILL OF QUANTITY													
Q		1		10		1.75							
Total mass of a bar (kg)				100		1.75							
Subtotal (kg)				814.32		277.88							
Subtotal (kg)				502.41		160.59							
Total (kg)				1316.73		438.47							

GENERAL NOTES :

LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

NO	Drawing Number	Rev	Title
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Revision Schedule

Rev.	Description	Date
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KEY PLAN

Project :

Client :

Project management Consultant :

Supervision Consultant :

Contractor :

Shop Drawing Consultant :

Design Consultant :

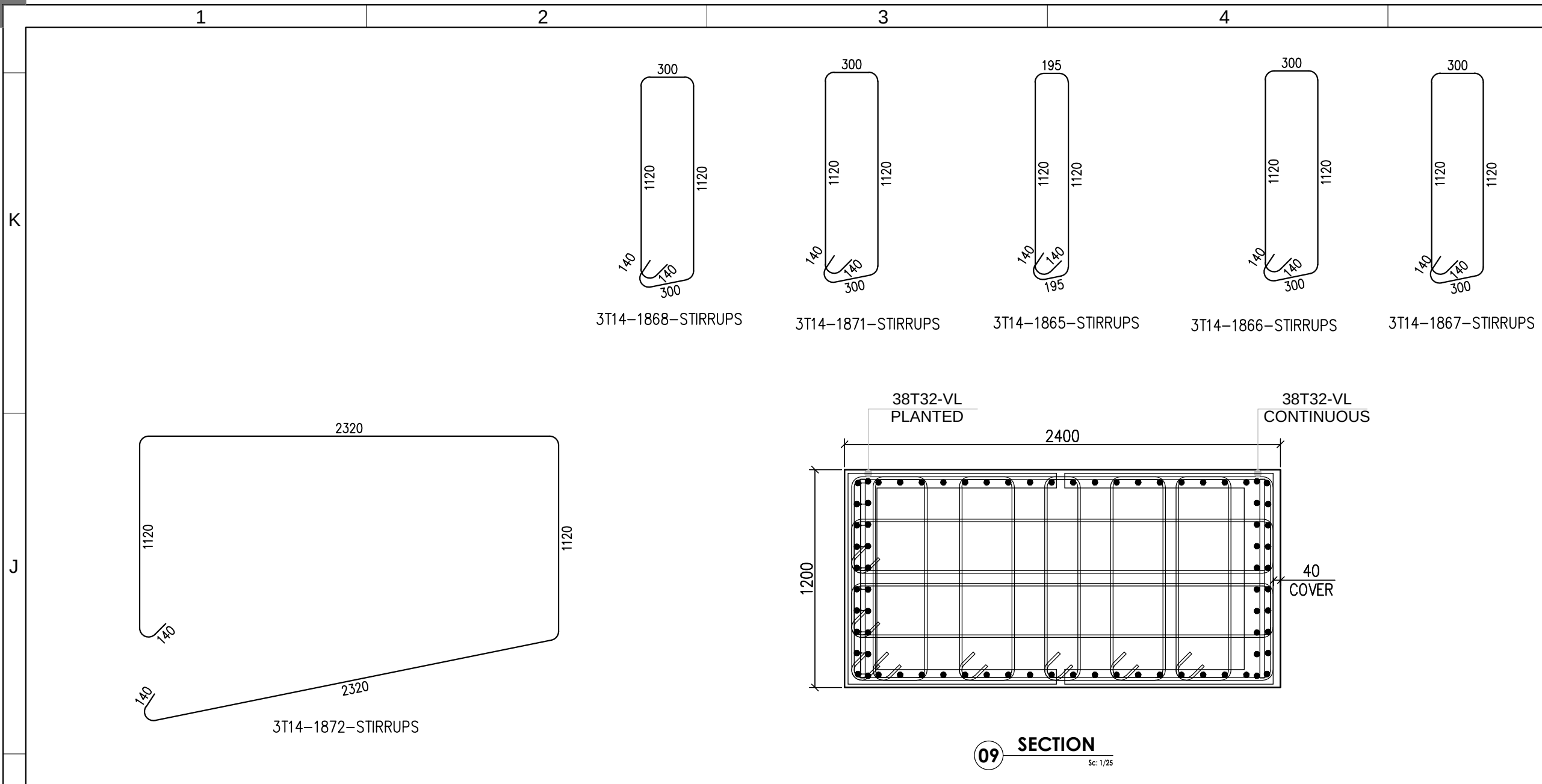
Building Title :

Drawing Title :

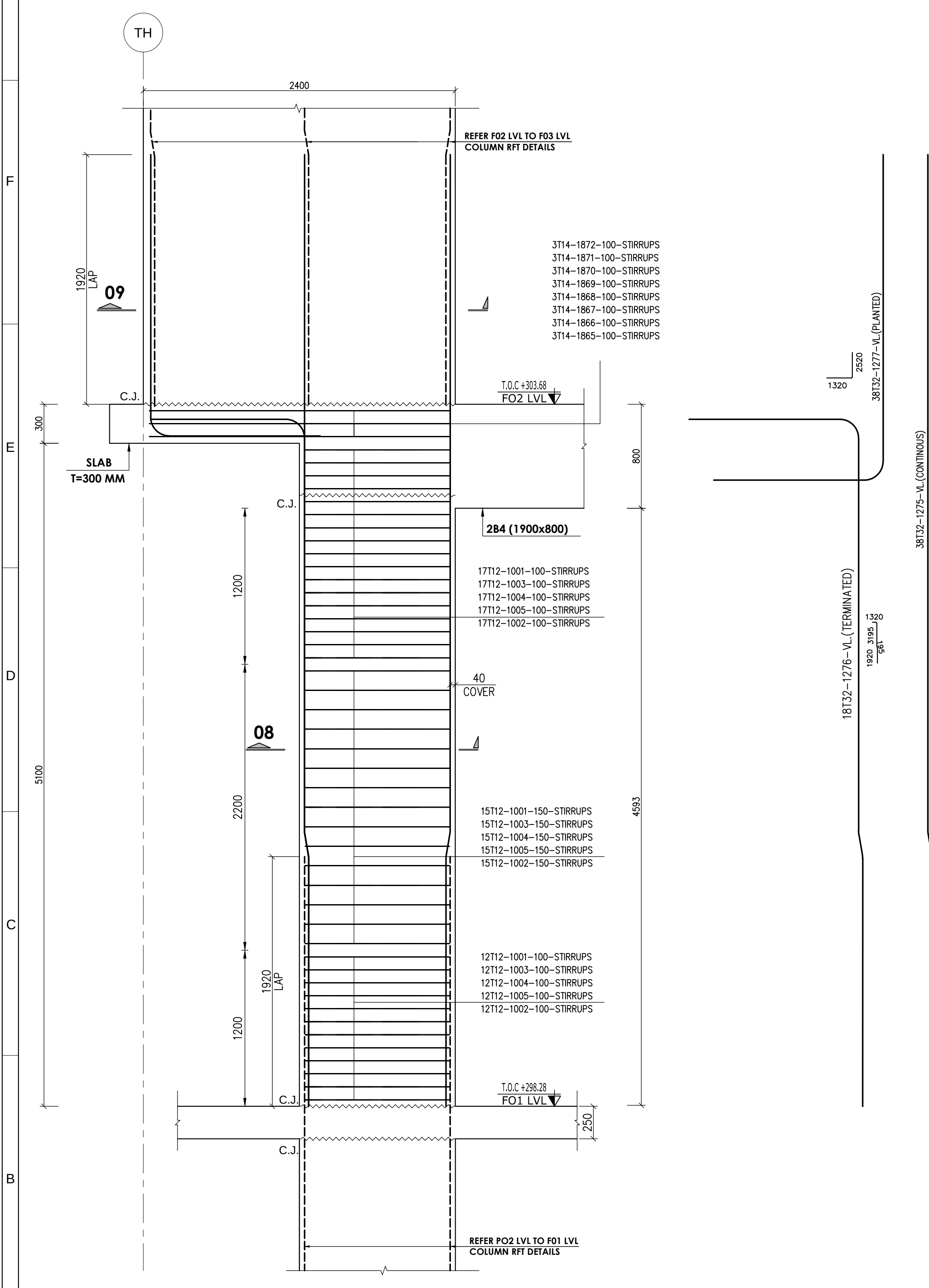
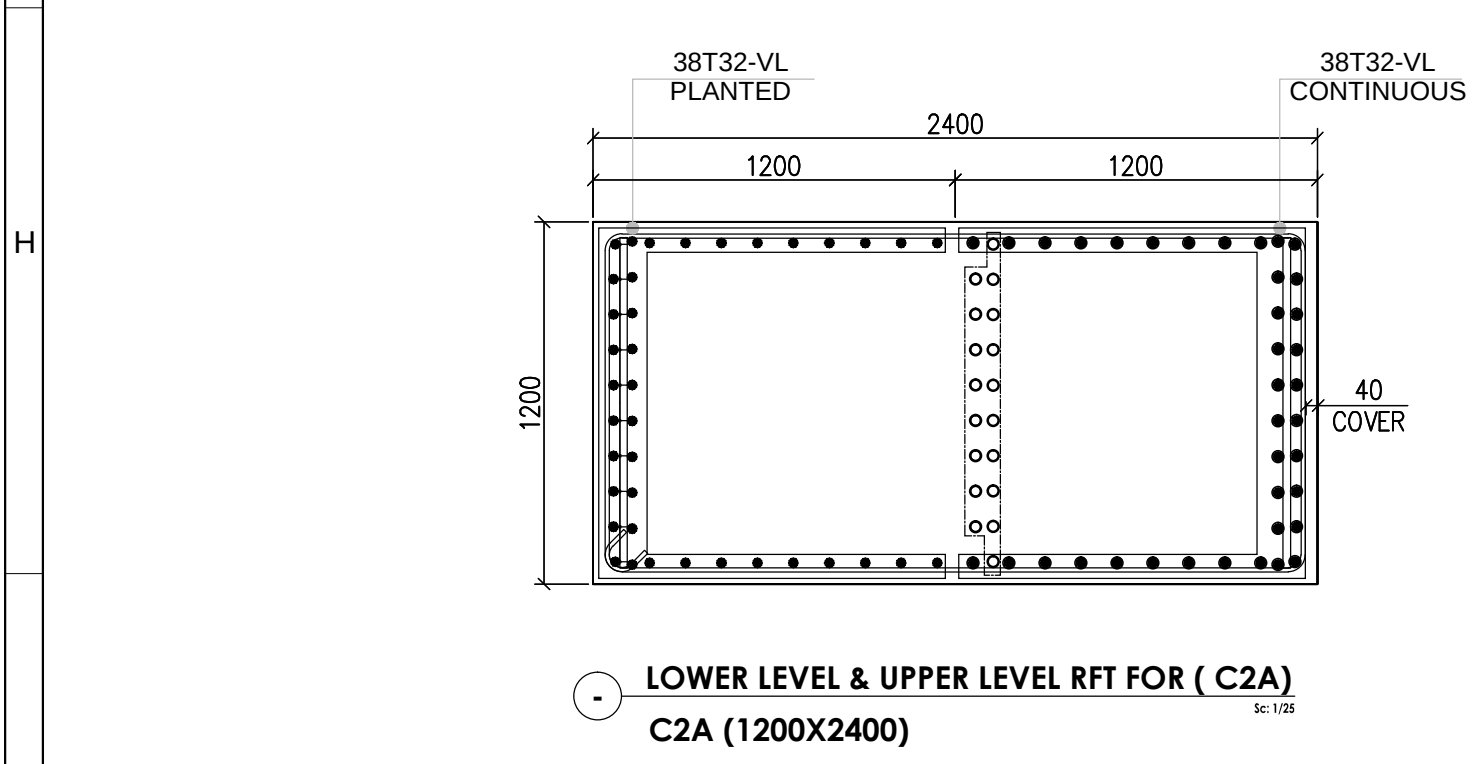
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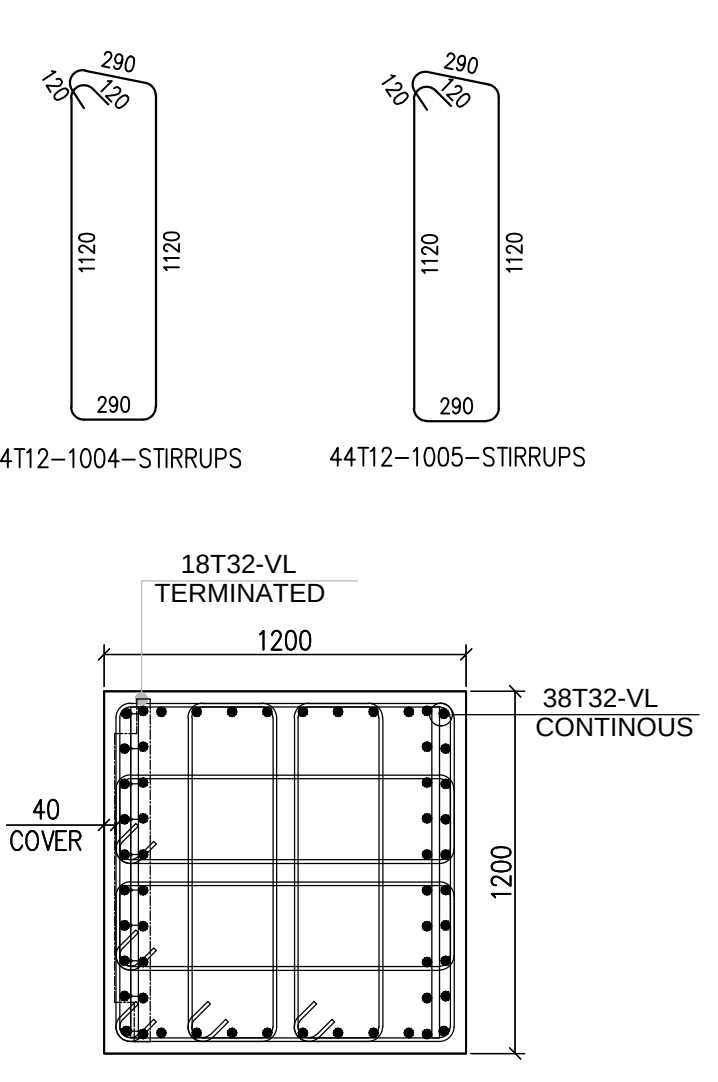
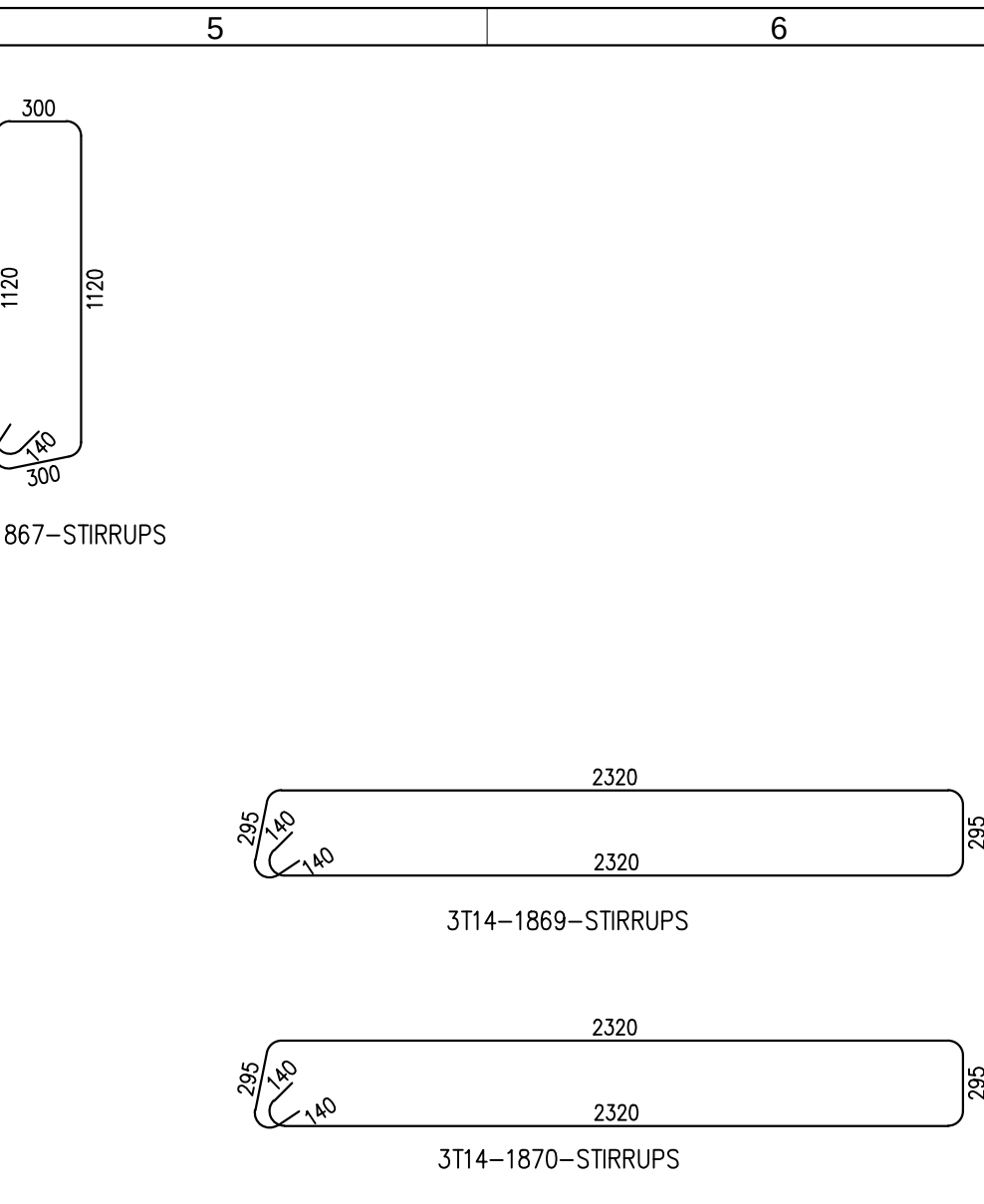
Engineers	In Charge	Drawn By	Checked By
Project code			



LOWER LEVEL BARS
UPPER LEVEL BARS



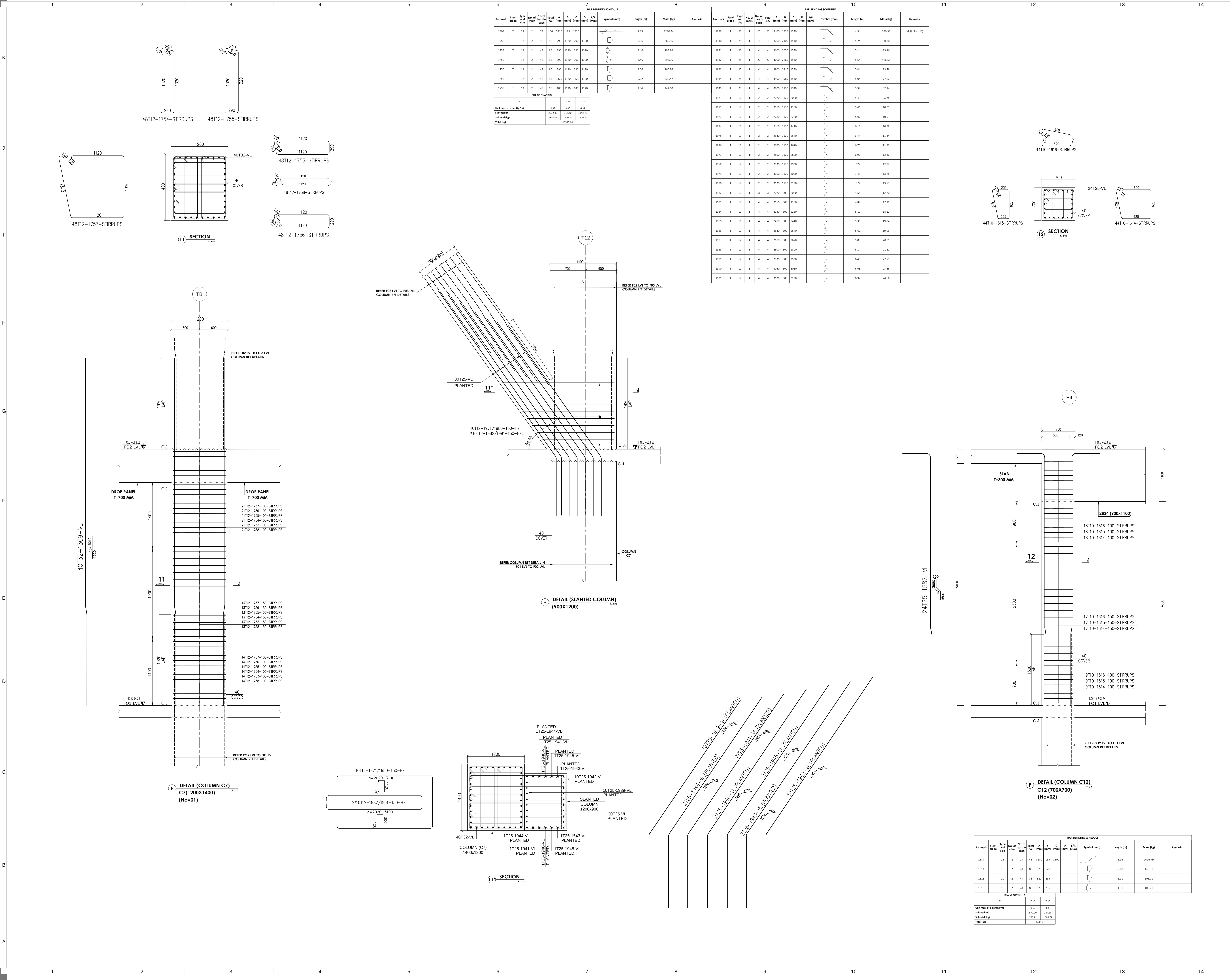
DETAIL (COLUMN C2A)
C2A(1200X1200)
(No=01)



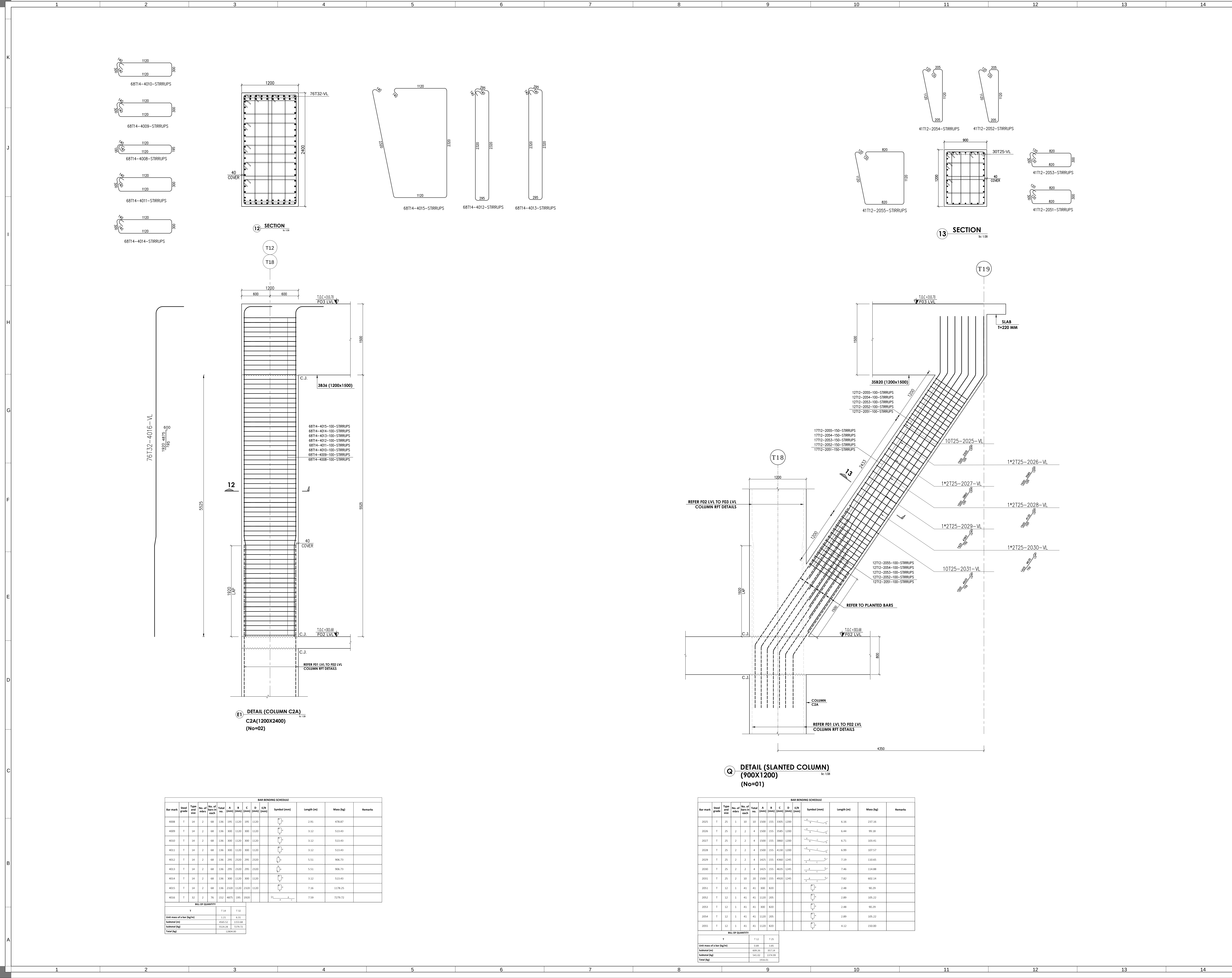
SECTION

BAR BENDING SCHEDULE													
Bar mark	Steel grade	Type and size	No. of bars in each	Total no.	A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	Symbol (mm)	Length (m)	Mass (kg)	Remarks
1939	T	25	1	20	20	3400	1935	1540			4.94	180.38	VL PLANTED
1940	T	25	1	4	4	3700	2100	1540			5.24	80.70	
1941	T	25	1	4	4	3600	2050	1540			5.14	79.16	
1942	T	25	1	20	20	4000	2205	1540			5.54	426.58	
1943	T	25	1	4	4	3900	2215	1540			5.44	81.78	
1944	T	25	1	4	4	3500	1985	1540			5.04	77.62	
1945	T	25	1	4	4	3800	2150	1540			5.34	81.24	
1971	T	12	1	2	2	2020	1120	2020			5.40	9.59	
1972	T	12	1	2	2	2150	1120	2150			5.66	10.05	
1973	T	12	1	2	2	2280	1120	2280			5.92	10.51	
1974	T	12	1	2	2	2410	1120	2410			6.18	10.98	
1975	T	12	1	2	2	2540	1120	2540			6.44	11.44	
1976	T	12	1	2	2	2670	1120	2670			6.70	11.90	
1977	T	12	1	2	2	2800	1120	2800			6.96	12.36	
1978	T	12	1	2	2	2930	1120	2930			7.22	12.82	
1979	T	12	1	2	2	3060	1120	3060			7.48	13.28	
1980	T	12	1	2	2	3190	1120	3190			7.74	13.75	
1981	T	12	1	1	1	3320	1120	3320			8.00	7.10	
1982	T	12	1	3	3	2020	300	2020			4.58	12.20	
1983	T	12	1	4	4	2150	300	2150			4.84	17.19	
1984	T	12	1	4	4	2280	300	2280			5.10	18.12	
1985	T	12	1	4	4	2410	300	2410			5.36	19.04	
1986	T	12	1	4	4	2540	300	2540			5.62	19.96	
1987	T	12	1	4	4	2670	300	2670			5.88	20.89	
1988	T	12	1	4	4	2800	300	2800			6.14	21.81	
1989	T	12	1	4	4	2930	300	2930			6.40	22.73	
1990	T	12	1	4	4	3060	300	3060			6.66	23.66	
1991	T	12	1	4	4	3190	300	3190			6.92	24.58	
1992	T	12	1	2	2	3320	300	3320			7.18	12.75	

10										11			
BAR BENDING SCHEDULE													
Bar mark	Steel grade	Type and size	No. of bars in each	Total no. of bars in slab	A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	Symbol (mm)	Length (m)	Mass (kg)	Remarks
1991	T	12	2	87	174	1120	1120				4.72	729.30	
1992	T	12	2	87	174	290	1120				3.06	472.81	
1993	T	12	2	87	174	290	1120				3.06	472.81	
1994	T	12	2	87	174	290	1120				3.06	472.81	
1995	T	12	2	87	174	290	1120				3.06	472.81	
1275	T	32	2	76	152	1930	195	5130			7.33	7025.55	
1276	T	32	2	86	72	1630	195	1630			6.43	1012.14	V.I.
1277	T	32	2	76	152	3530	1120				3.84	1661.02	
1999	T	16	2	3	6	1095	1120	1095	1120		2.91	21.25	
1966	T	16	2	3	6	300	1120	300	1120		3.12	22.45	
1967	T	16	2	3	6	300	1120	300	1120		3.12	22.45	
1968	T	16	2	3	6	300	1120	300	1120		3.12	22.45	
1969	T	16	2	3	6	285	2090	285	2090		5.51	60.00	
1970	T	16	2	3	6	295	2090	295	2090		5.51	60.00	
1971	T	16	2	3	6	300	1120	300	1120		3.12	22.45	
1972	T	16	2	3	6	2210	2230	1120			7.16	51.96	
BILL OF QUANTITY													
T					7.16	1.14	7.25	7.52					
Unit mass of a bar (kg/m)					5.89	2.71	3.95	6.31					
Estimated (m)					1102.27	107.64	116.80	117.64					
Subtotal (kg)					2657.34	261.72	220.64	1820.72					
Total (kg)									2839.31				



GENERAL NOTES :			
LEGEND :			
ABBREVIATIONS			
REFERENCE DRAWINGS			
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Revision Schedule			
Rev.	Description	Date	
KEY PLAN			
Project :			
Client :			
Project management Consultant :			
Supervision Consultant :			
Contractor :			
Shop Drawing Consultant :			
Design Consultant :			
Building Title :			
Drawing Title :			
Scale : 1:50		AT: A0	
Date :		Comm. No.	
Engineers	In Charge	Drawn By	Checked By
Project code			



GENERAL NOTES :

LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

Revision Schedule

KEY PLAN

Project :

Client :

Project management Consultant :

Supervision Consultant :

Contractor :

Shop Drawing Consultant :

Design Consultant :

Building Title :

Drawing Title :

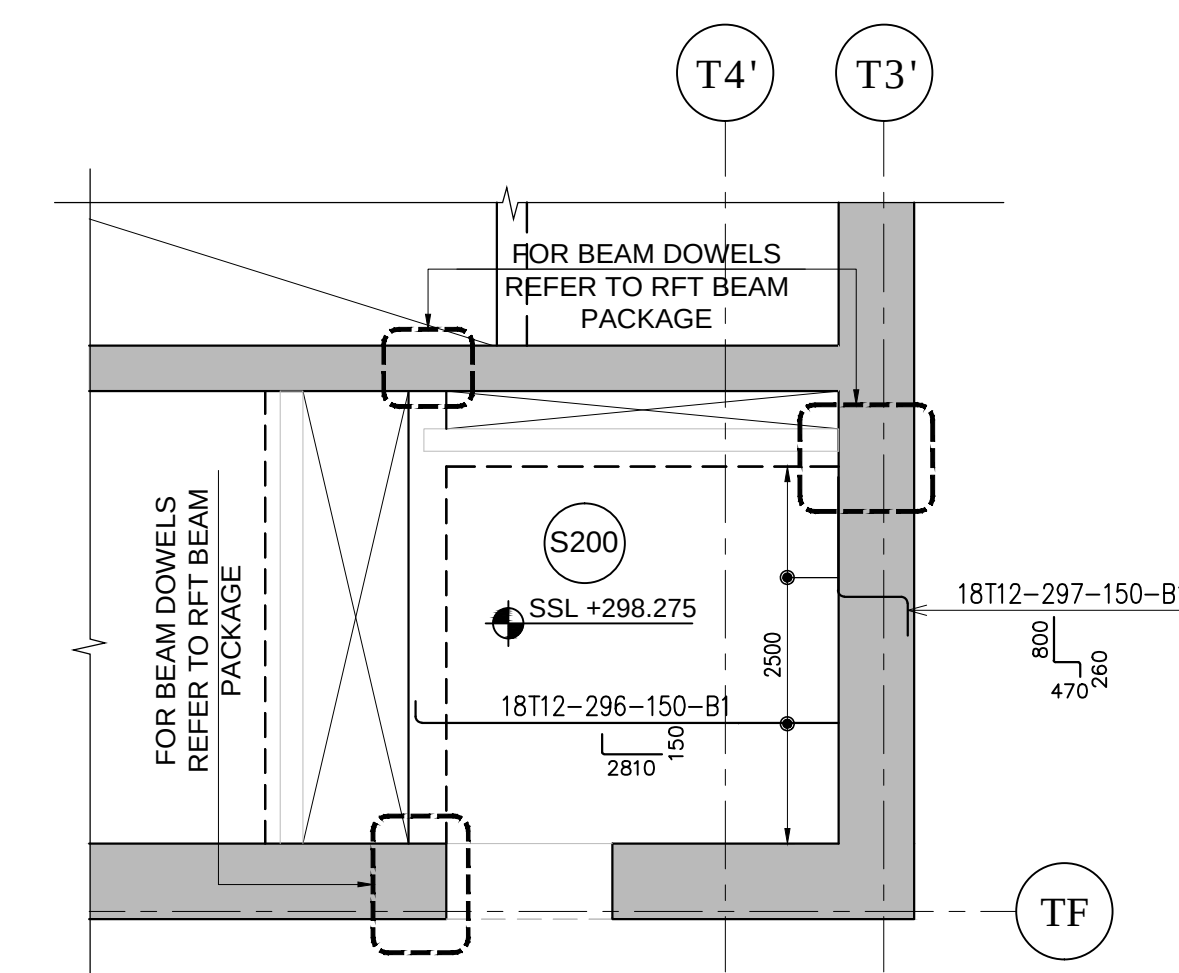
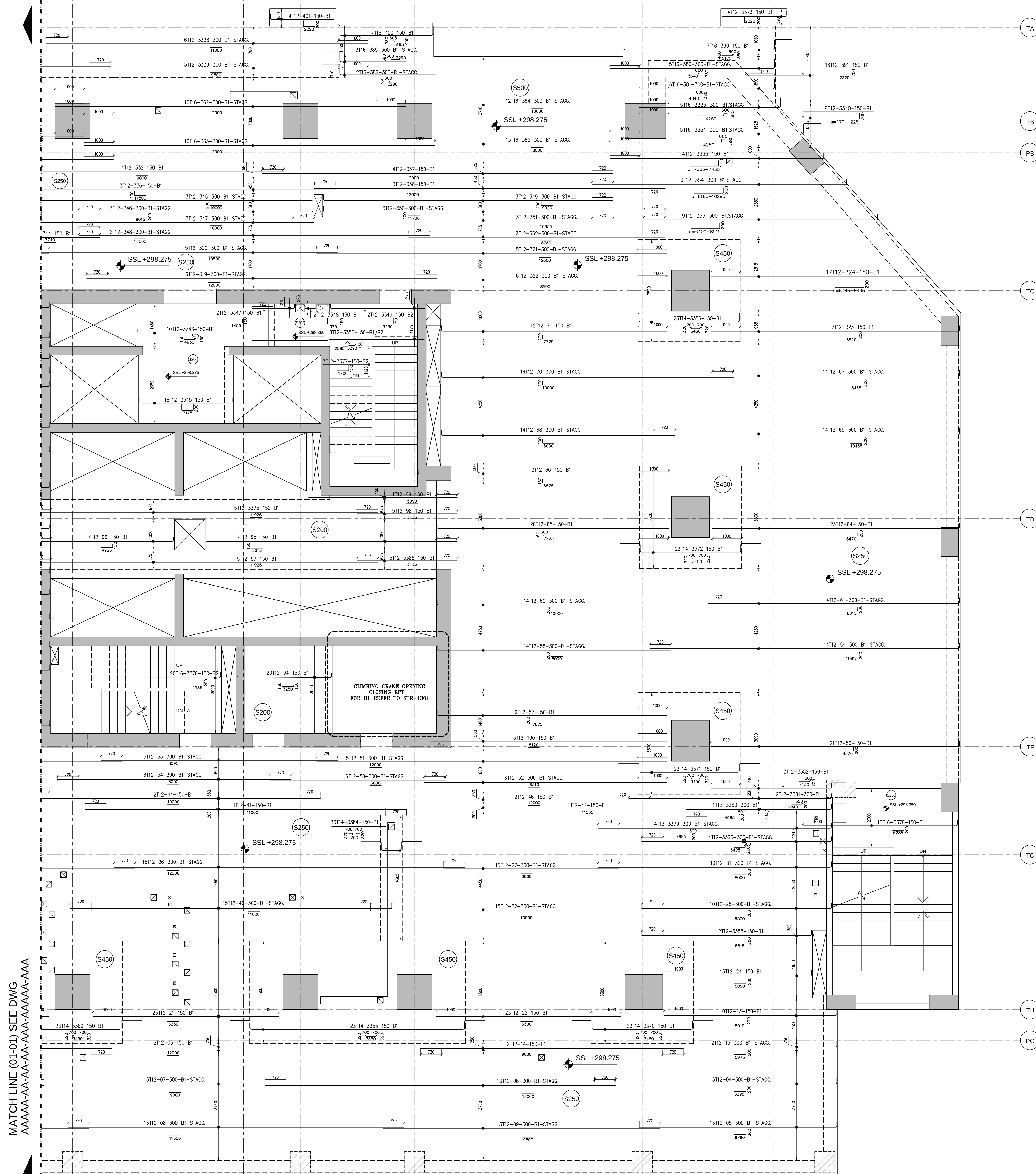
Scale : 1:50
Date :
Comm. No.

Engineers
Project code

In Charge

Drawn By

Checked By



CLIMBING CRANE OPENING CLOSING DETAILS

	GENERAL NOTES :
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LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

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KEY PLAN	

Project :

Client :

Project management Consultant :	
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Supervision Consultant :

Contractor :

Shop Drawing Consultant :

Design Consultant :

Building Title :

Drawing Title :

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Scale : 1:50	Alt. :
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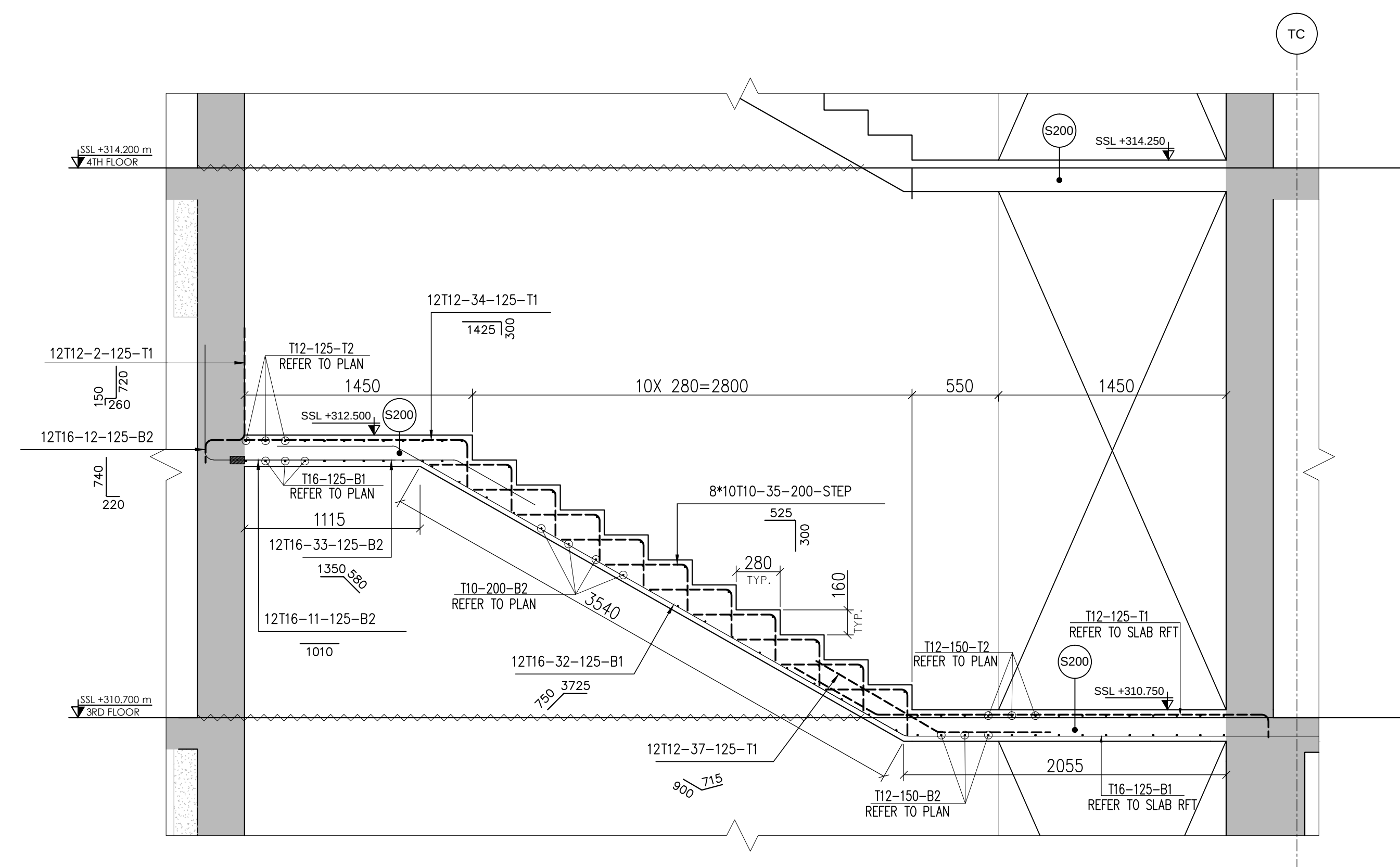
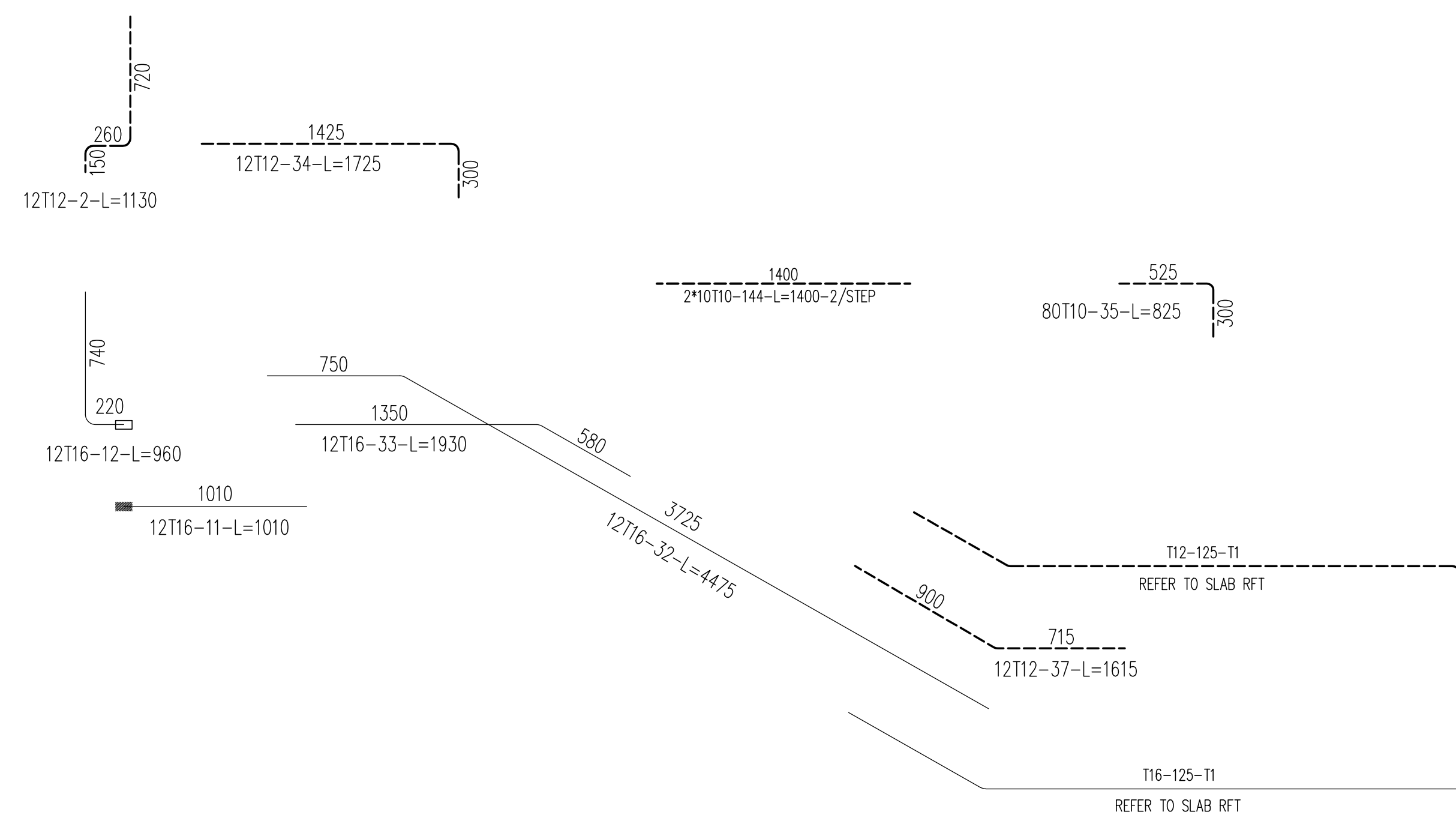
Engineers	In Charge	Drawn By	Checked By
Project code			

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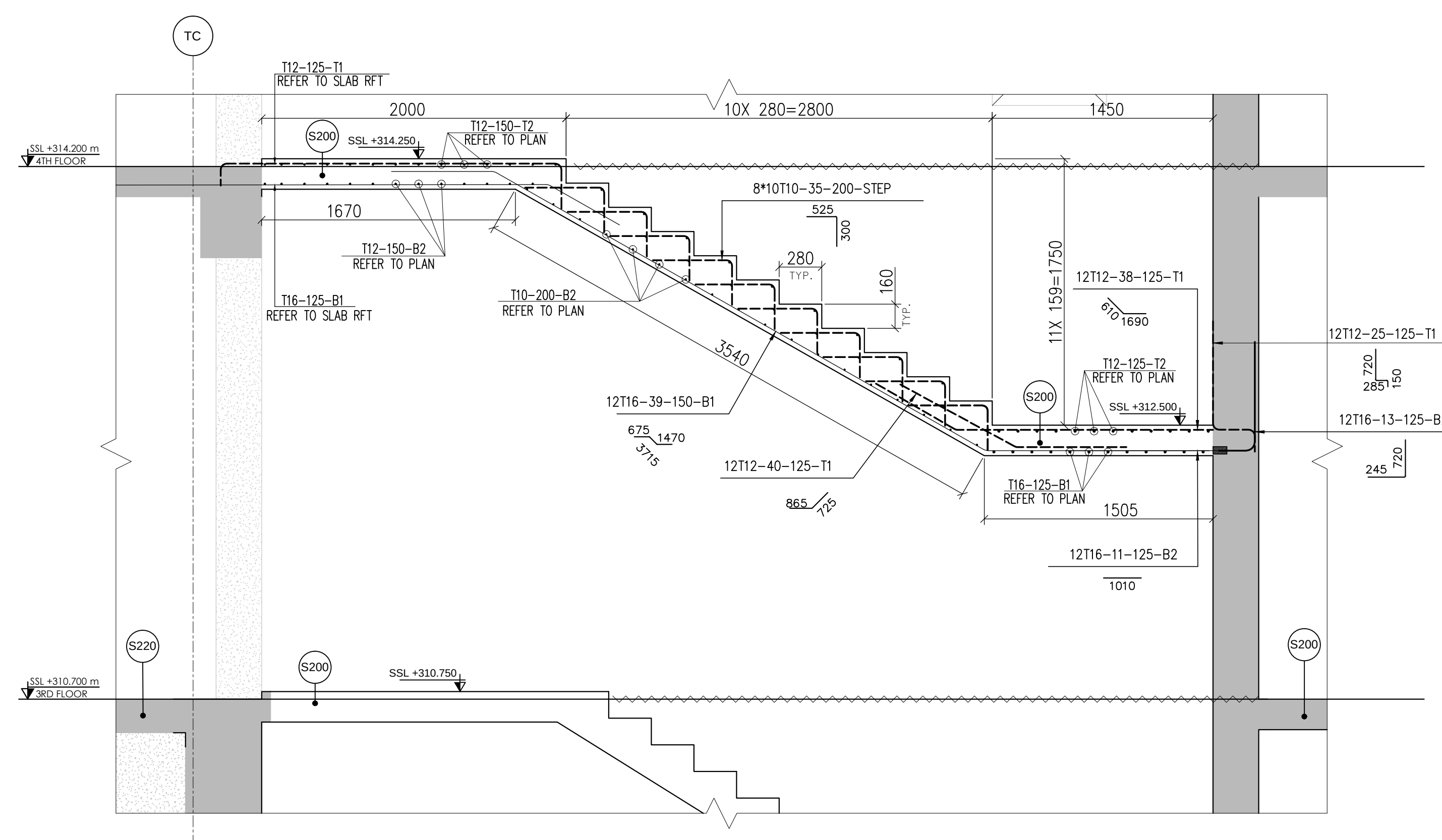
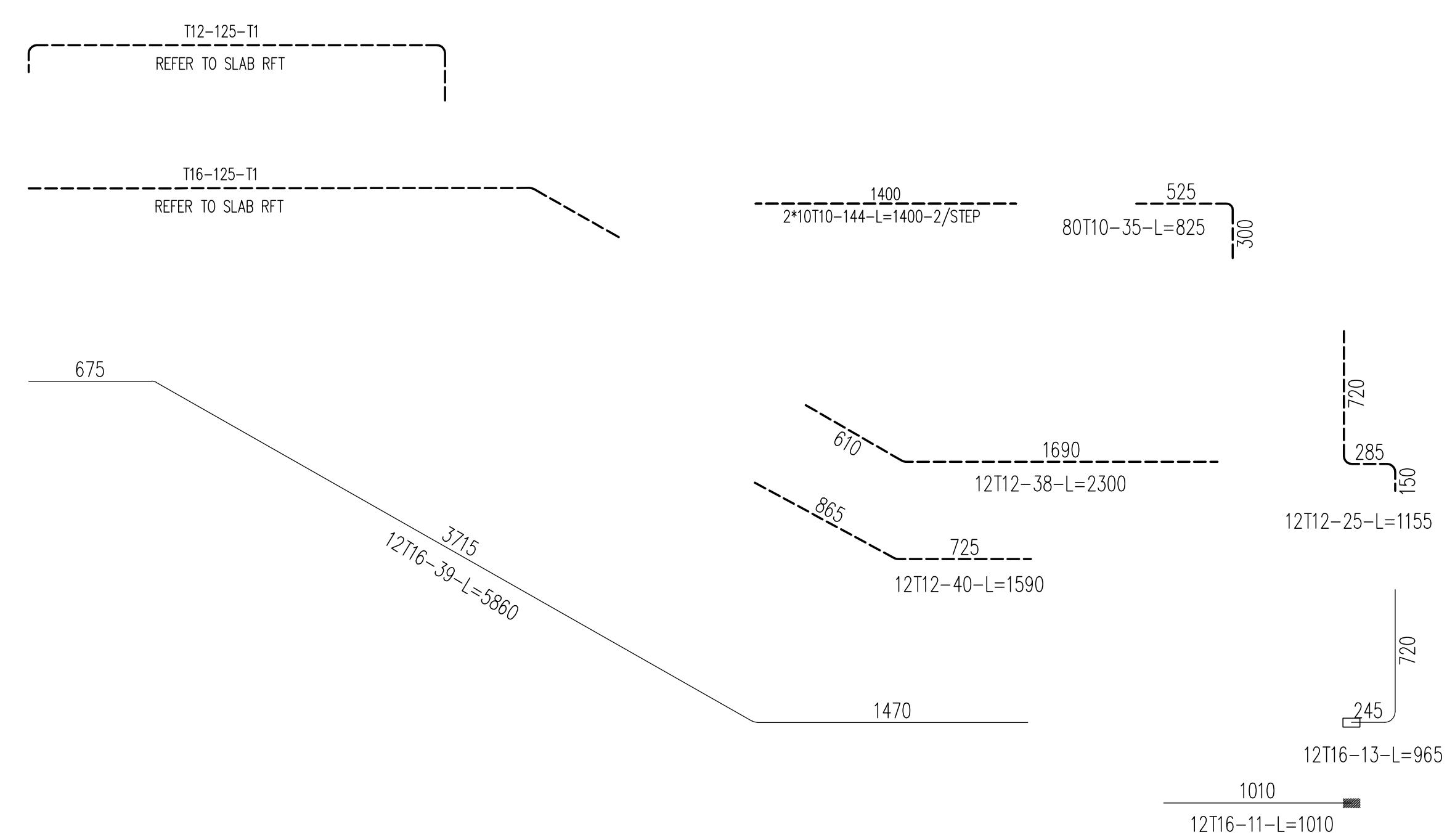


BILL OF QUANTITY				
T	T 12	T 14	T 16	T 20
Unit mass of a bar (kg/m)	0.89	1.21	1.58	2.47
Subtotal (m)	1920.68	36.04	268.56	1872.12
Subtotal (kg)	1705.56	43.61	424.32	4624.14
Total (kg)			6797.63	

GENERAL NOTES :			
LEGEND :			
ABBREVIATIONS			
REFERENCE DRAWINGS			
NO	Drawing Number	Rev	Title
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Revision Schedule			
Rev.	Description	Date	
KEY PLAN			
<u>Project :</u>			
<u>Client :</u>			
<u>Project management Consultant :</u>			
<u>Supervision Consultant :</u>			
<u>Contractor :</u>			
<u>Shop Drawing Consultant :</u>			
<u>Design Consultant :</u>			
<u>Building Title :</u>			
<u>Drawing Title :</u>			
Scale : 1:50		AT: A0	
Date :		Comm. No.	
Engineers Project code	In Charge	Drawn By	Checked By



01 STAIR - 01 REINFORCEMENT SECTION 01



02 STAIR - 01 REINFORCEMENT SECTION 02

	GENERAL NOTES :
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LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

NO	Drawing Number	Rev	Title
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			

Revision Schedule	
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Rev.	Description	Date
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KEY PLAN

Project :

Client :

Project management Consultant :

Supervision Consultant :

Contractor :

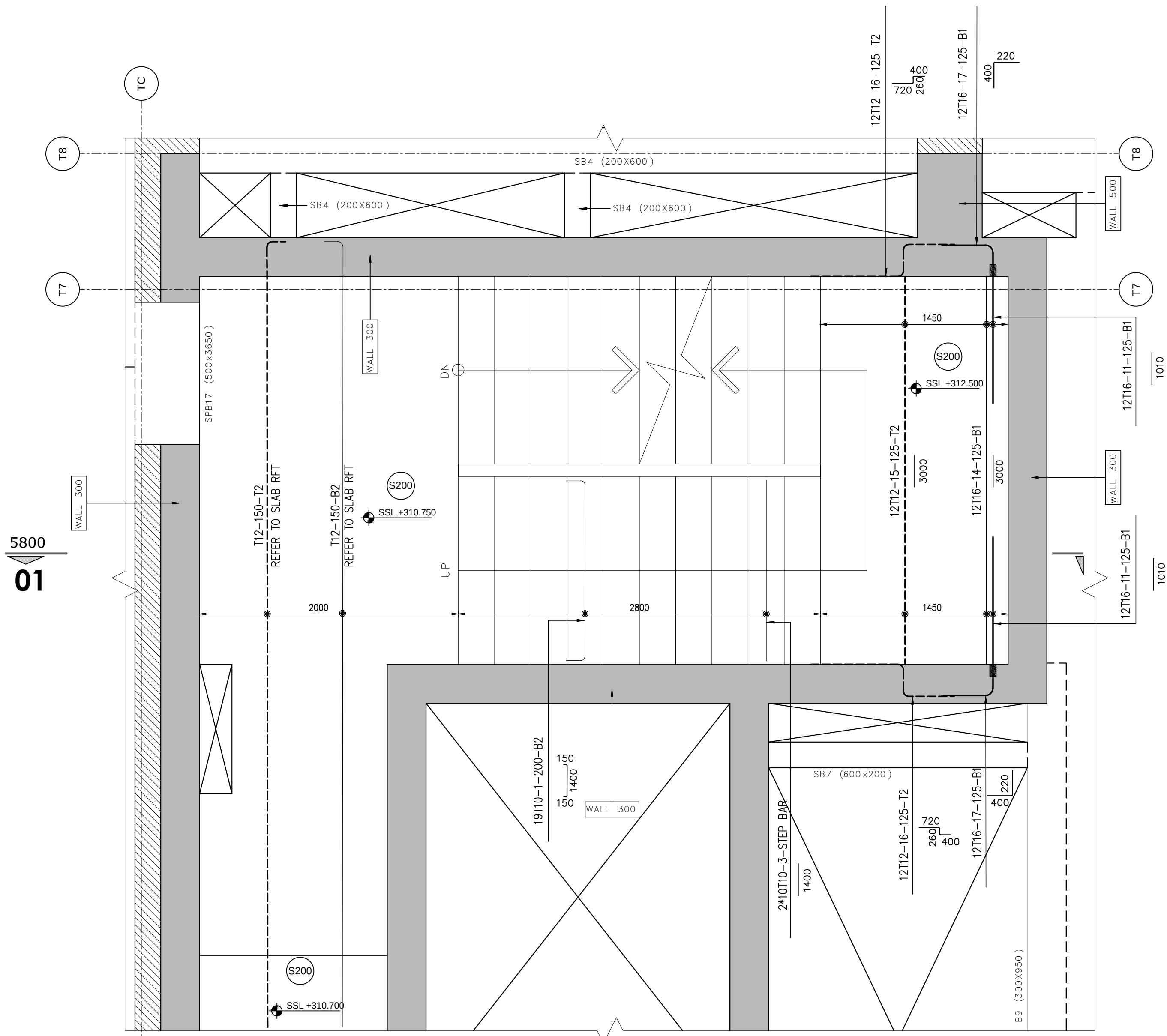
Shop Drawing Consultant :

Design Consultant :

Building Title :

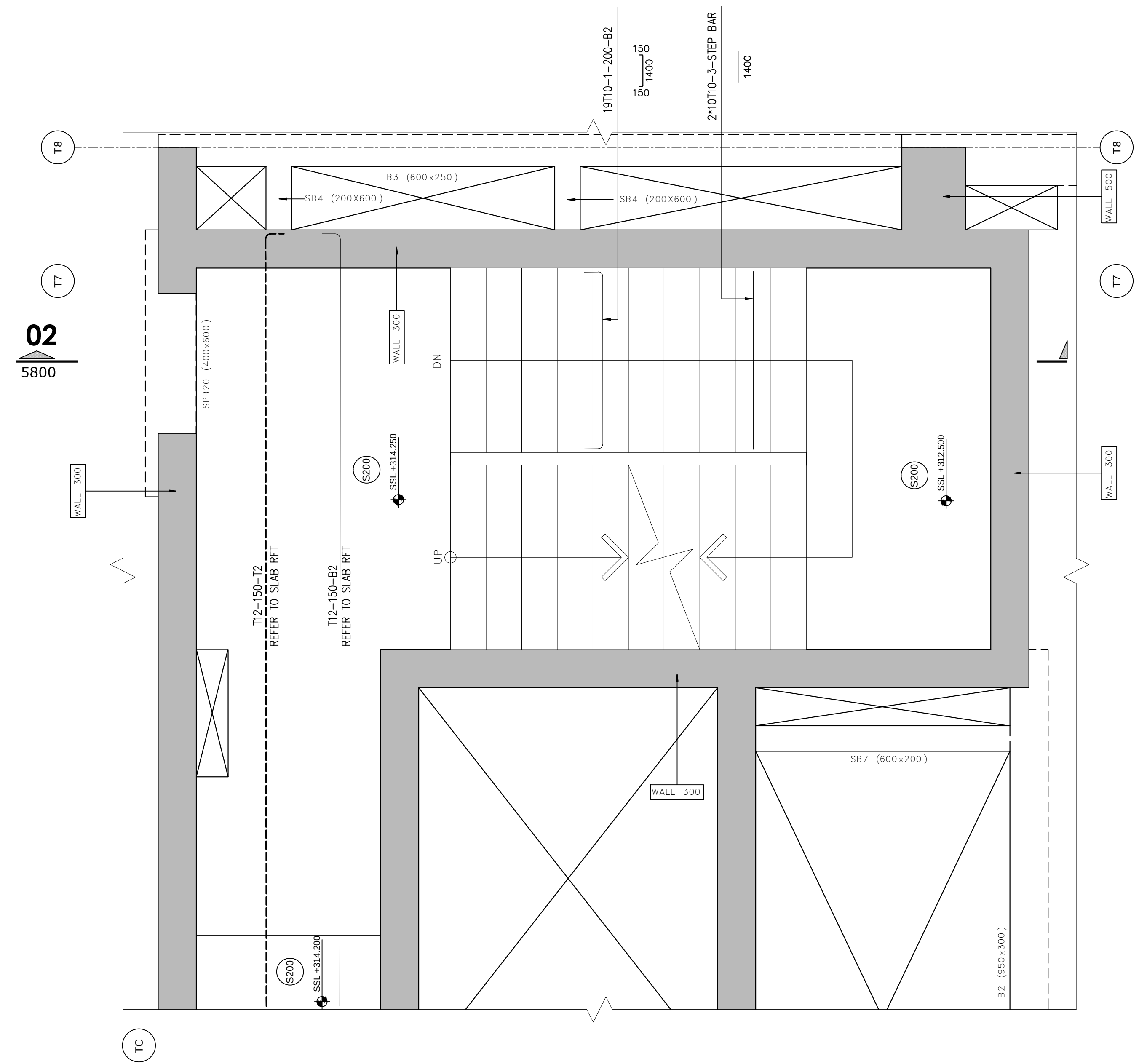
Drawing Title :

Scale : 1:25		AT: A0	
Date :		Comm. No.	
Engineers	In Charge	Drawn By	Checked By
Project code			



A STAIR - 01 REINFORCEMENT SECTION (A-A)

Sc 1/25



B STAIR - 01 REINFORCEMENT SECTION (B-B)

Sc 1/25

BAR BENDING SCHEDULE																
Bar mark	Steel grade	Type and size	No. of mbrs	No. of bars in each	Total no.	A (mm)	B (mm)	C (mm)	D (mm)	E/R (mm)	H1 (mm)	H2 (mm)	Symbol (mm)	Length (mm)	Mass (kg)	Remarks
1	T	10	1	38	38	150	1400	150						1700	39.86	
2	T	12	1	12	12	720	260	150						1130	12.04	THEREDED
3	T	10	1	40	40	1400								1400	34.55	
11	T	16	1	48	48	1010								1010	76.60	
12	T	16	1	12	12	220	740							960	18.20	
13	T	16	1	12	12	245	720							965	18.30	COUPLER
14	T	16	1	12	12	3000								3000	56.88	
15	T	12	1	12	12	3000								3000	31.97	
16	T	12	1	24	24	720	260	400						1380	29.41	THEREDED
17	T	16	1	24	24	220	400							620	23.51	COUPLER
25	T	12	1	12	12	720	285	150						1155	12.31	THEREDED
32	T	16	1	12	12	3725	750							4475	84.85	
33	T	16	1	12	12	1350	580							1930	36.59	
34	T	12	1	12	12	300	1425							1725	18.38	
35	T	10	1	160	160	525	300							825	81.44	
37	T	12	1	12	12	900	715							1615	17.21	
38	T	12	1	12	12	1690	610							2300	24.51	
39	T	16	1	12	12	1470	3715	675						5860	111.11	
40	T	12	1	12	12	865	725							1590	16.94	

BILL OF QUANTITY			
T	T 10	T 12	T 16
Unit mass of a bar (kg/m)	0.62	0.89	1.58
Subtotal (m)	252.60	183.30	269.64
Subtotal (kg)	155.85	162.77	426.03
Total (kg)	744.66		

GENERAL NOTES :

LEGEND :

ABBREVIATIONS

REFERENCE DRAWINGS

NO	Drawing Number	Rev	Title
1.			
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6.			
7.			
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11.			
12.			
13.			
14.			

Revision Schedule

Rev	Description	Date

KEY PLAN

Project :

Client :

Project management Consultant :

Supervision Consultant :

Contractor :

Shop Drawing Consultant :

Design Consultant :

Building Title :

Drawing Title :

Scale : 1:25			AT: A0
Date :			Comm. No.
Engines	In Charge	Drawn By	Checked By
Project code			