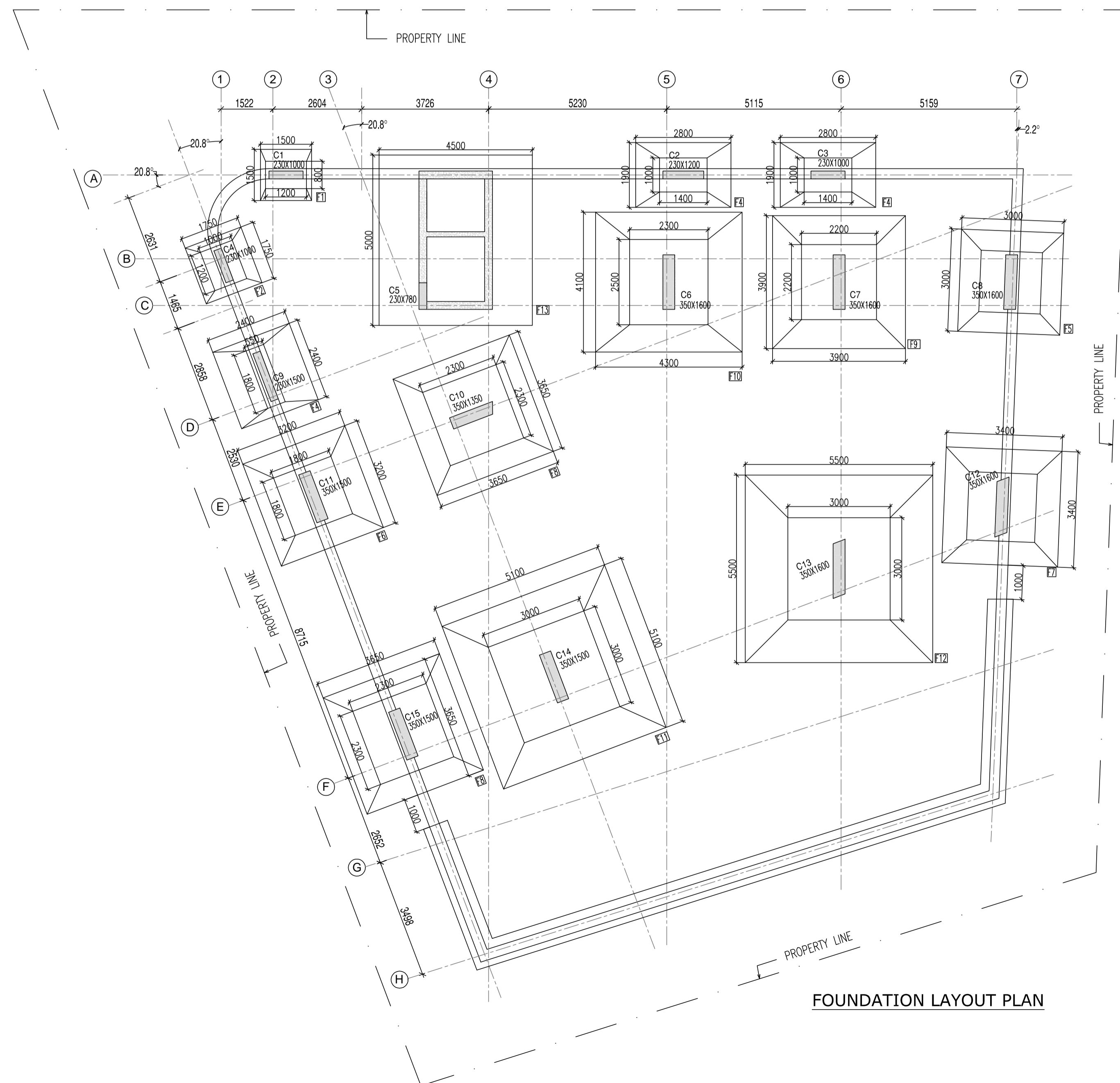


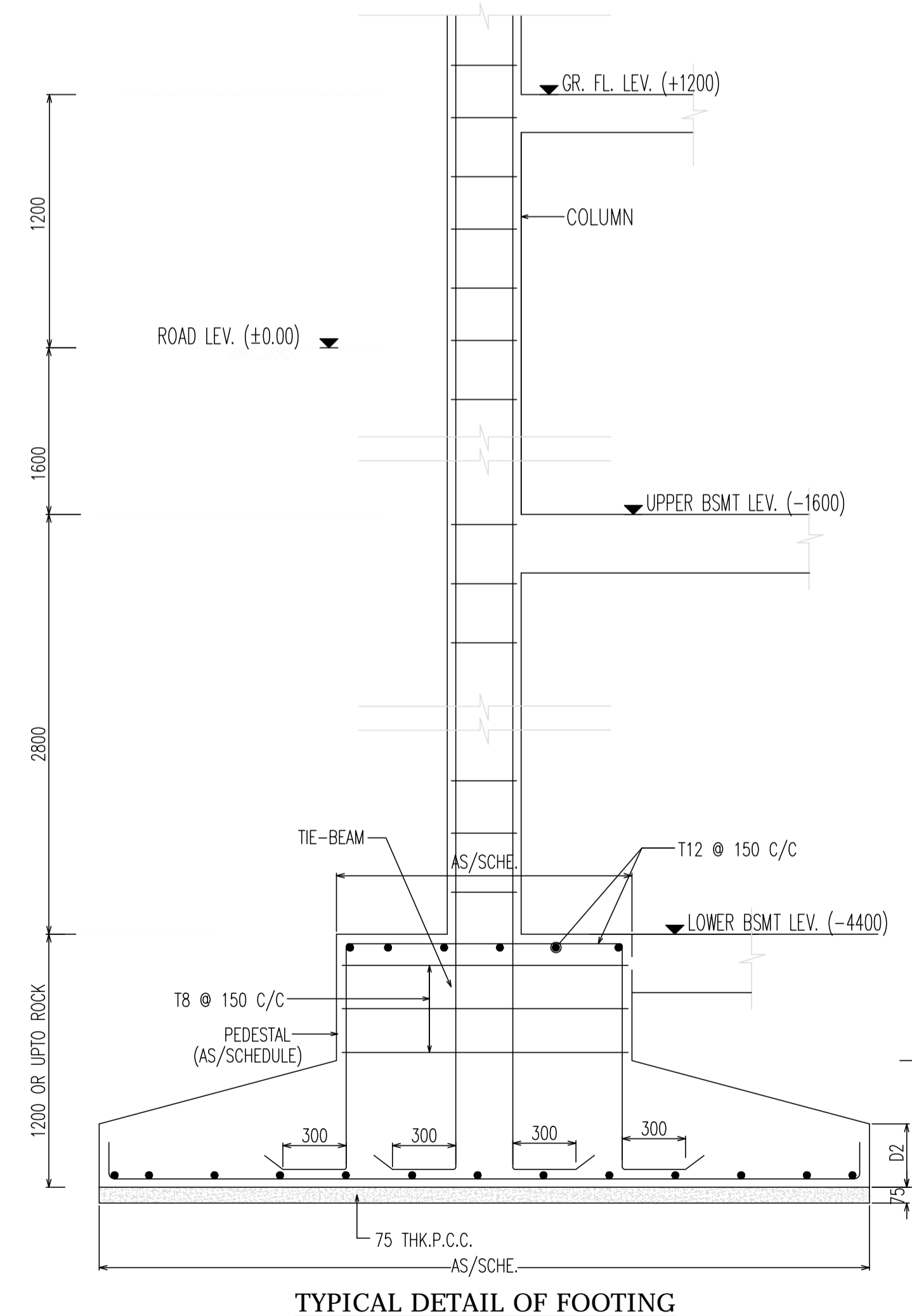
TYPICAL FOUNDATION DETAIL
THROUGH LIFT WELL

FOOTING SCHEDULE (M30:Fe500)

FOOTING NUMBERS	COLUMN NUMBERS	PEDESTAL SIZE	FOOTING DIMENSION				FOOTING REINFORCEMENT		
			STEP	L	B	D1	BOTTOM		
							ALONG (B)	ALONG (L)	
F1	C1	800x1200	-	1500	1500	550	225	T16@125 C/C	T16@125 C/C
F2	C4	1000x1200	-	1750	1750	550	300	T16@125 C/C	T16@125 C/C
F3	C2,C3	1400x1000	-	2800	1900	600	300	T16@125 C/C	T16@125 C/C
F4	C9	550x1800	-	2400	2400	750	350	T16@125 C/C	T16@125 C/C
F5	C8	1800x1800	-	3000	3000	450	225	T16@125 C/C	T16@125 C/C
F6	C11	1800x1800	-	3200	3200	500	300	T16@125 C/C	T16@125 C/C
F7	C12	2000x2000	-	3400	3400	500	250	T16@125 C/C	T16@125 C/C
F8	C10,C15	2300x2300	-	3650	3650	500	250	T16@125 C/C	T16@125 C/C
F9	C7	2200x2200	-	3900	3900	600	300	T16@125 C/C	T16@125 C/C
F10	C6	2300x2500	-	4300	4300	650	400	T16@125 C/C	T16@125 C/C
F11	C14	3000x3000	-	5100	5100	800	400	T16@125 C/C	T16@125 C/C
F12	C13	3000x3000	-	5500	5500	900	450	T16@100 C/C	T16@100 C/C
F13	C5, LIFT	-	-	4500	5000	750	750	T16@100 C/C	T16@100 C/C



FOUNDATION LAYOUT PLAN



TYPICAL DETAIL OF FOOTING

NOTES:-

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- ALL GRADE OF CONCRETE M-30.
- ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
- FOR STEEL GRADE Fe 500 AS PER I.S. 1786-1979.
- LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
- FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. STUB COLUMN 25
b. BAND BEAM. 20 20 20
- THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ARCHITECTURAL DRAWINGS -

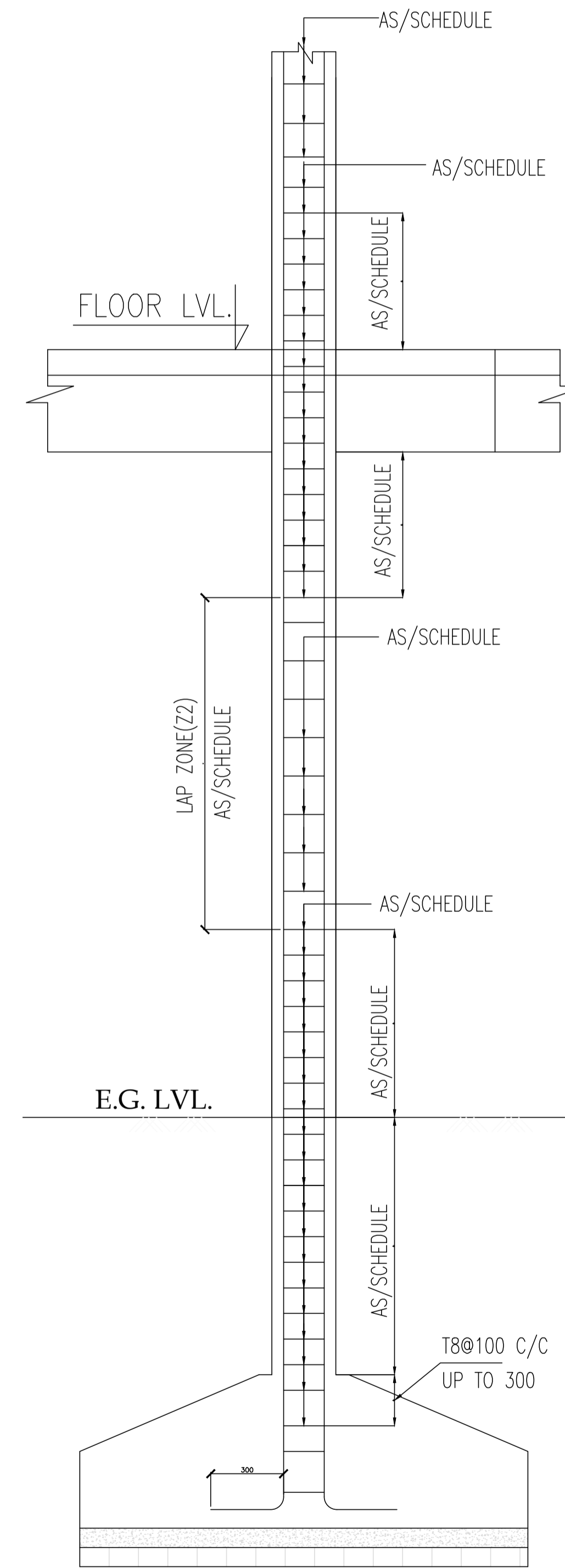
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ISSUED FOR		
OWNER		
PROJECT	PROPOSED ADRESHA MALL AT SAKCHI, JAMSHEDPUR	
TITLE	FOUNDATION LAYOUT PLAN, SCHEDULE AND DETAILS	
ARCHITECTS	VINEET SINHA ARCHITECTS 1A, FIRST FLOOR, 'SMRITI', 8th AVENUE BISTUPUR, JAMSHEDPUR 831001 PH:2424998, FAX: 2424777	
STRUCTURAL ENGINEERS	S.P.A. CONSULTANTS 34, RAM MOHAN DUTTA ROAD KOLKATA - 700020 PH. NO 2485-5448/5449,2475-7614(Tel.Fax) E-mail: spa_cons@yahoo.co.in	
DRAWN BY-	CHECKED BY-	DATE-
SCALE :	1:100,25	
JOB NO.	2018 /07	V.S. SPA/53-II ADRESHA MALL
DRG. NO.	2018 /07/V.S./SPA/53-II/ADRESHA MALL/ST-01/R0	

COLUMN SCHEDULE

ROOF TO ABV RF	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T12 + 6-T12	32-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T16 + 6-T16	16-T16 + 6-T16	16-T16 + 6-T16
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1500	350 X 1350	350 X 1500	350 X 1600	350 X 1600	350 X 1500	350 X 1500	350 X 1500
4TH FL TO ROOF	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T12 + 6-T12	32-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T16 + 6-T16	16-T16 + 6-T16	16-T16 + 6-T16
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1500	350 X 1350	350 X 1500	350 X 1600	350 X 1600	350 X 1500	350 X 1500	350 X 1500
2ND FL TO 4TH FL	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T12 + 6-T12	32-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T20 + 6-T16	16-T20 + 6-T12	16-T12 + 6-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1500	350 X 1350	350 X 1500	350 X 1600	350 X 1600	350 X 1500	350 X 1500	350 X 1500
GRFL TO 2ND FL	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T12 + 6-T12	32-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T32 + 6-T32	16-T32 + 6-T16	16-T12 + 6-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1500	350 X 1350	350 X 1500	350 X 1600	350 X 1600	350 X 1500	350 X 1500	350 X 1500
BASE TO GRFL	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T12 + 6-T12	4-T16 + 28-T12	16-T12 + 6-T12	16-T12 + 6-T12	16-T32 + 6-T32	16-T32 + 6-T16	16-T12 + 6-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1500	350 X 1350	350 X 1500	350 X 1600	350 X 1600	350 X 1500	350 X 1500	350 X 1500
COLUMN MARKED	C9	C10	C11	C12	C13	C14	C15		

COLUMN SCHEDULE

ROOF TO ABV RF	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T12 + 2-T12	12-T12 + 4-T12	12-T12 + 2-T12	12-T12 + 2-T12	14-T12	34-T12	34-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1000	230 X 1200	230 X 1000	230 X 1000	230 X 780	350 X 1600	350 X 1600	350 X 1600
4TH FL TO ROOF	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T16 + 2-T12	12-T12 + 4-T12	12-T12 + 2-T12	12-T12 + 2-T12	14-T12	34-T12	34-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1000	230 X 1200	230 X 1000	230 X 1000	230 X 780	350 X 1600	350 X 1600	350 X 1600
2ND FL TO 4TH FL	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T20 + 2-T12	12-T16 + 4-T12	12-T16 + 2-T12	12-T12 + 2-T12	14-T12	34-T12	34-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1000	230 X 1200	230 X 1000	230 X 1000	230 X 780	350 X 1600	350 X 1600	350 X 1600
GRFL TO 2ND FL	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T20 + 2-T16	12-T16 + 4-T12	12-T20 + 2-T12	12-T12 + 2-T12	4-T16 + 12-T12	4-T16 + 30-T12	34-T12	16-T12 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1000	230 X 1200	230 X 1000	230 X 1000	230 X 780	350 X 1600	350 X 1600	350 X 1600
BASE TO GRFL	MATERIAL	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500	M30:Fe500
	STEEL	12-T20 + 2-T16	12-T12 + 4-T12	12-T20 + 2-T12	12-T12 + 2-T12	4-T16 + 14-T12	8-T20 + 30-T16	12-T16 + 26-T12	16-T16 + 6-T12
	LINKS	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C	T8@125 C/C
	SIZE	230 X 1000	230 X 1200	230 X 1000	230 X 1000	230 X 780	350 X 1600	350 X 1600	350 X 1600
COLUMN MARKED	C1	C2	C3	C4	C5	C6	C7	C8	



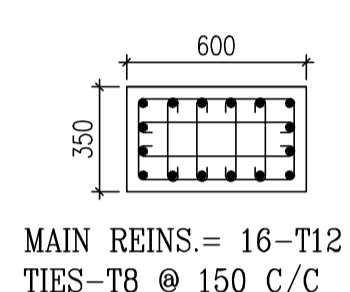
TYPICAL DETAIL OF COLUMN REINFT.

NOTES:-

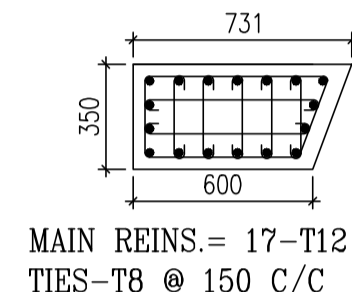
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- ALL GRADE OF CONCRETE M-30.
- ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
- FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
- LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
- FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
- MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. STUB COLUMN			25
b. BAND BEAM.	20	20	20
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- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ARCHITECTURAL DRAWINGS -

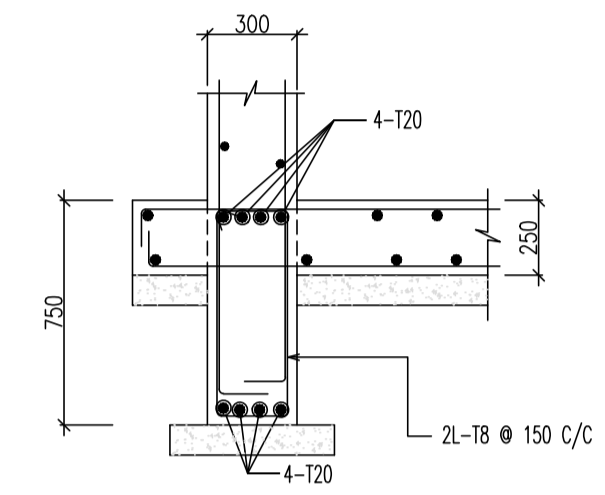
REVISION		NO	DATE	
ISSUED FOR				
OWNER				
PROJECT PROPOSED ADRESHA MALL AT SAKCHI , JAMSHEDPUR				
TITLE COLUMN SCHEDULE AND DETAILS				
ARCHITECTS VINEET SINHA ARCHITECTS 1A , FIRST FLOOR , ' SMRITI ' , 8th AVENUE BISTUPUR , JAMSHEDPUR 831001 PH:2424998, FAX: 2424777				
STRUCTURAL ENGINEERS S.P.A. CONSULTANTS 34, RAM MOHAN DUTTA ROAD KOLKATA - 700020 . PH. NO 2485-5448/5449,2475-7614(Tel.Fax) E-mail: spa_cons@yahoo.co.in				
DRAWN BY- KHOKAN	CHECKED BY- PRITHWISH	DATE- 24.08.18		SCALE : 1: 25
JOB NO. 2018 07	V.S.	SPA/53-II		ADRESHA MALL
DRG. NO. 2018 /07/V.S./SPA/53-II/ADRESHA MALL/ST-02/R0				



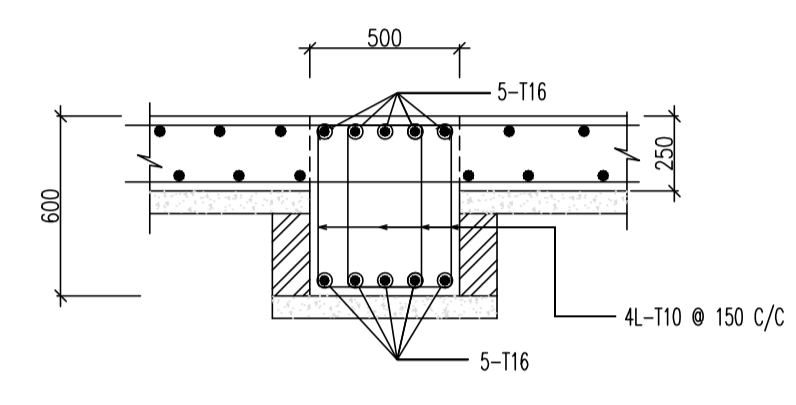
C/S OF STOOL COLUMN
SC-1(350X600)



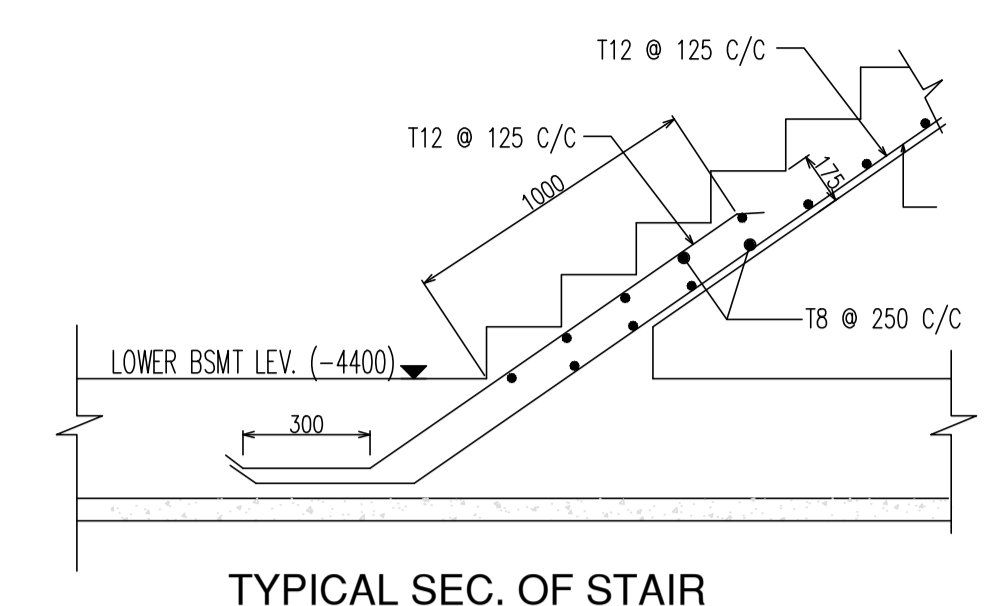
C/S OF STOOL COLUMN
SC-2(350X600/731)



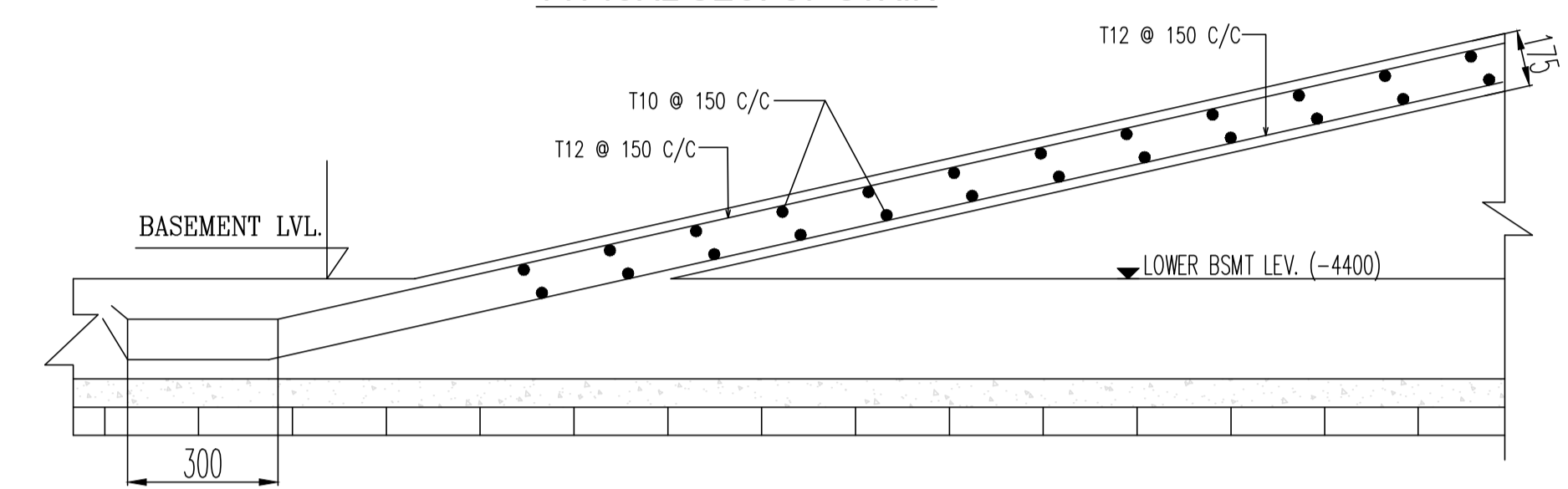
TYPICAL DETAILS OF = B1 (300X750)



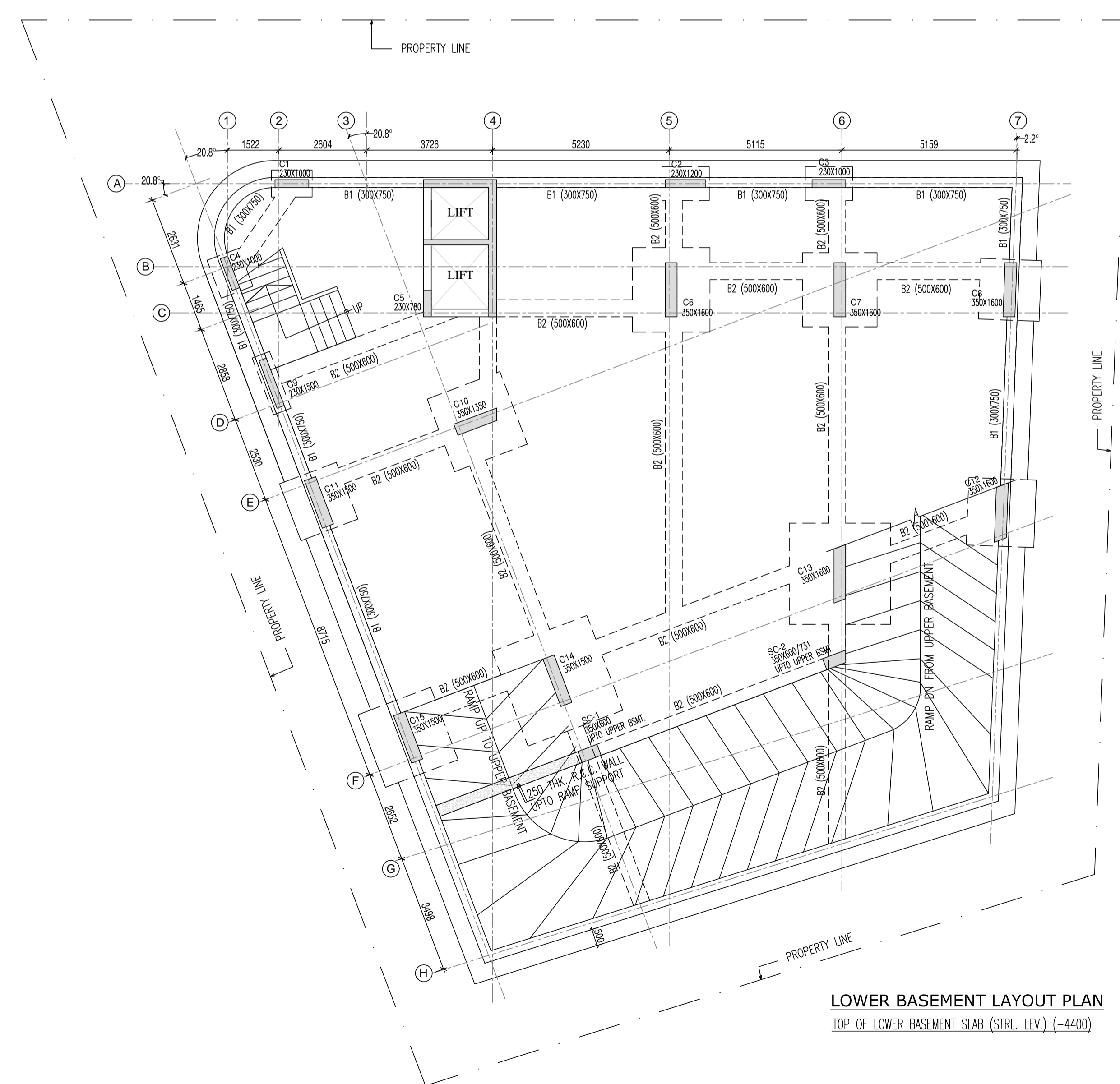
TYPICAL DETAILS OF = B2 (500X600)



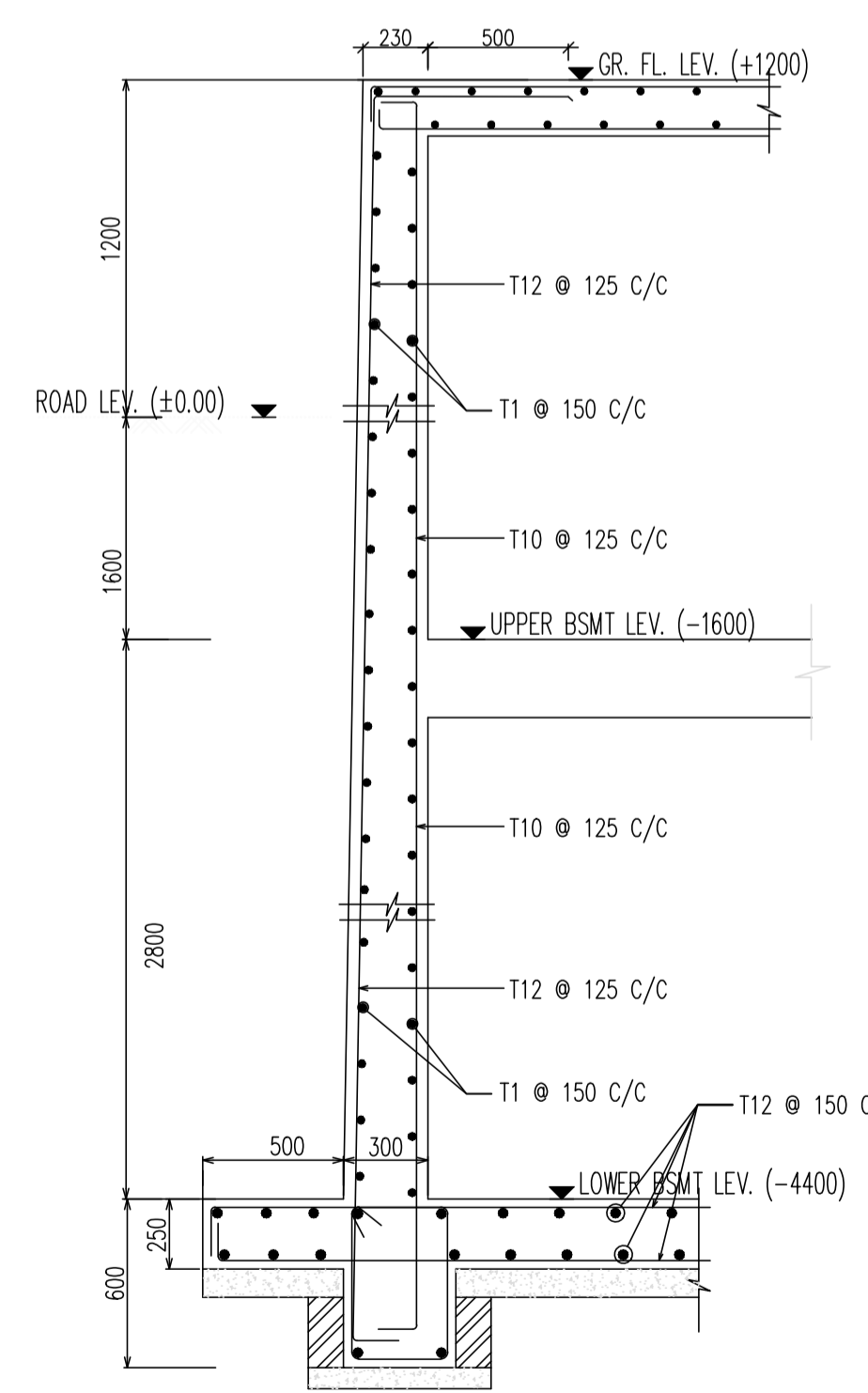
TYPICAL SEC. OF STAIR



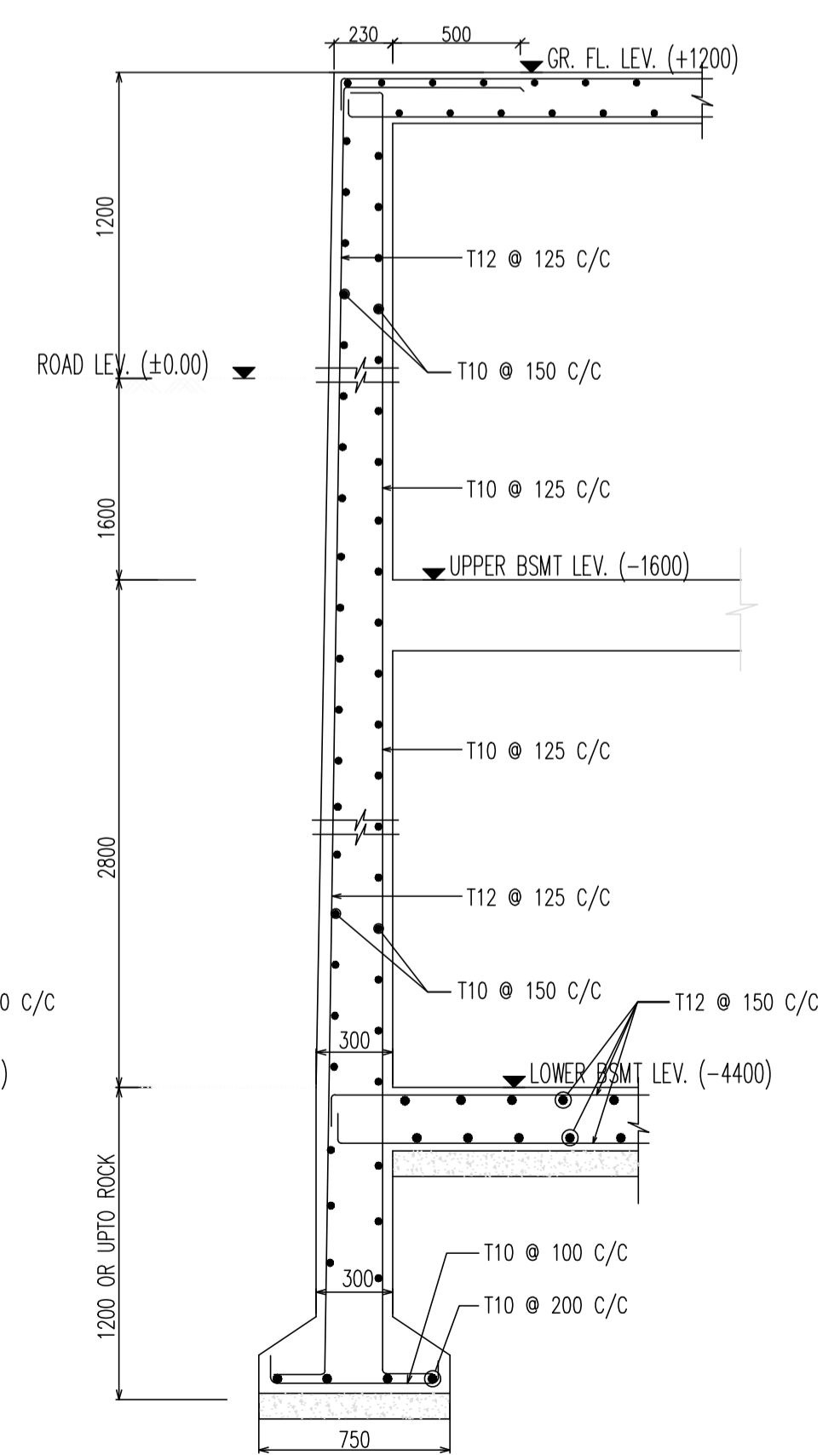
TYPICAL DETAIL OF RAMP



LOWER BASEMENT LAYOUT PLAN
TOP OF LOWER BASEMENT SLAB (STR. LVL.) (-4400)



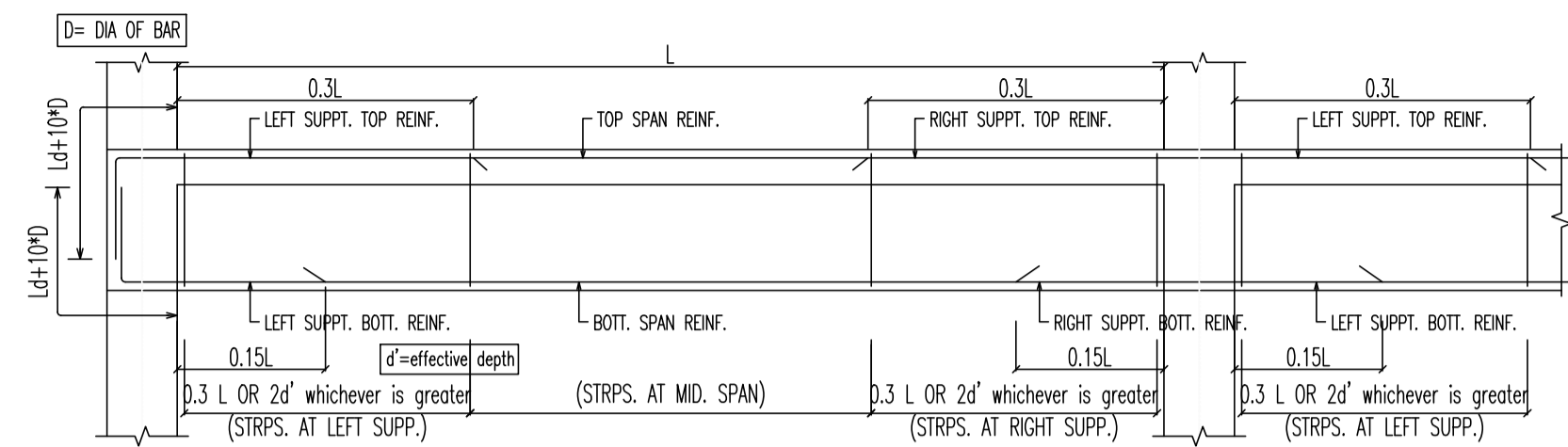
TYPICAL DETAIL OF RETAINING WALL



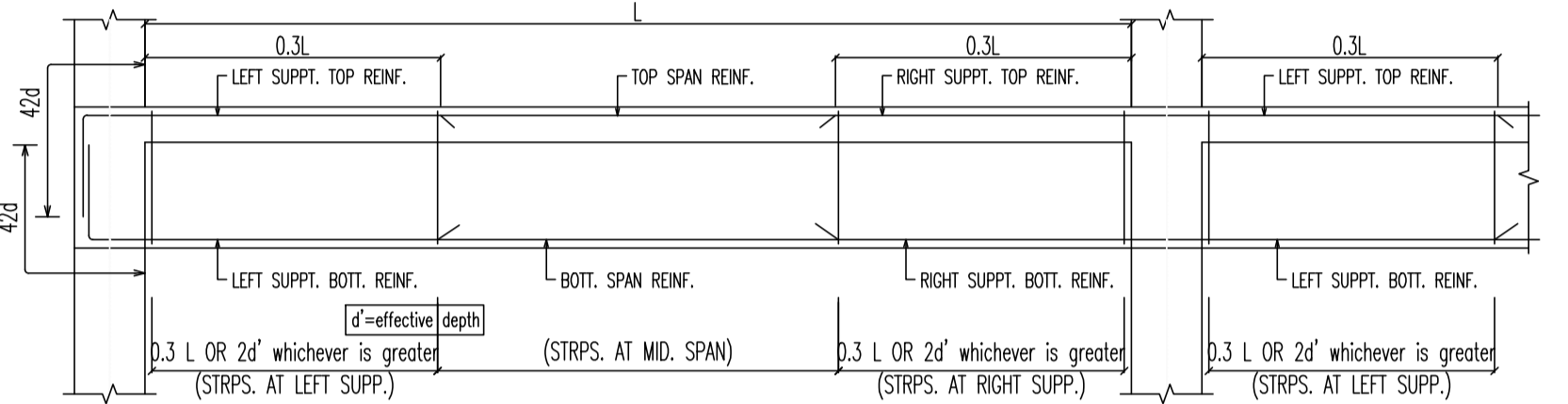
TYPICAL DETAIL OF STRIP FOUNDATION

- NOTES:-**
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
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 - ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
 - FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
 - LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
 - FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. STUB COLUMN 25
b. BAND BEAM. 20 20 20
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 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ARCHITECTURAL DRAWINGS -

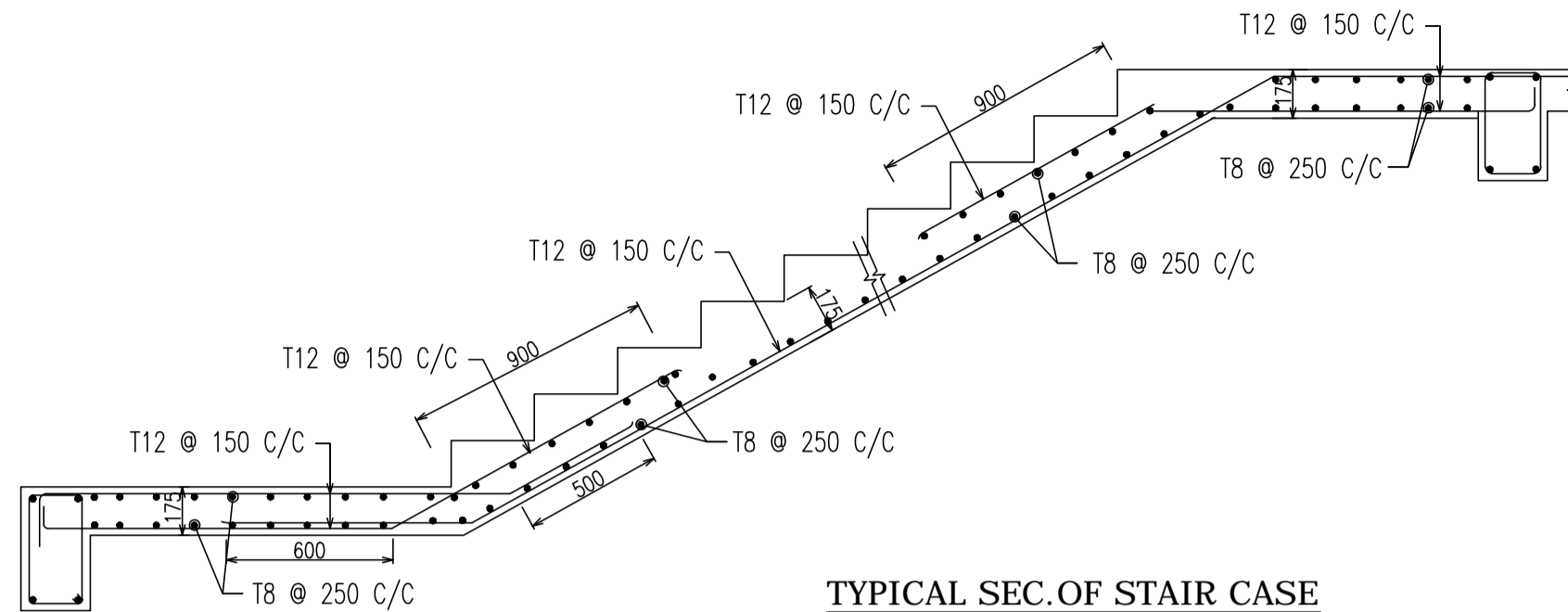
REVISION	NO	DATE
ISSUED FOR		
OWNER		
PROJECT	PROPOSED ADRESHA MALL AT SAKCHI, JAMSHEDPUR	
TITLE	LOWER BASEMENT LAYOUT PLAN AND DETAILS	
ARCHITECTS	VINEET SINHA ARCHITECTS 1A, FIRST FLOOR, 'SMRITI', 8th AVENUE BISTUPUR, JAMSHEDPUR 831001 PH:2424998, FAX: 2424777	
STRUCTURAL ENGINEERS	S.P.A. CONSULTANTS 34, RAM MOHAN DUTTA ROAD KOLKATA - 700020 PH. NO 2485-5448/5449,2475-7614(Tel.Fax) E-mail: spa_cons@yahoo.co.in	
DRAWN BY:	CHECKED BY:	DATE:
KHOKAN	PRITHWISH	30.12.16
JOB NO.	2018 07 V.S.	SPA/53-II
DRG. NO.	2018 /07/V.S./SPA/53-II/ADRESHA MALL/ST-03/R0	SCALE : 1:100,25



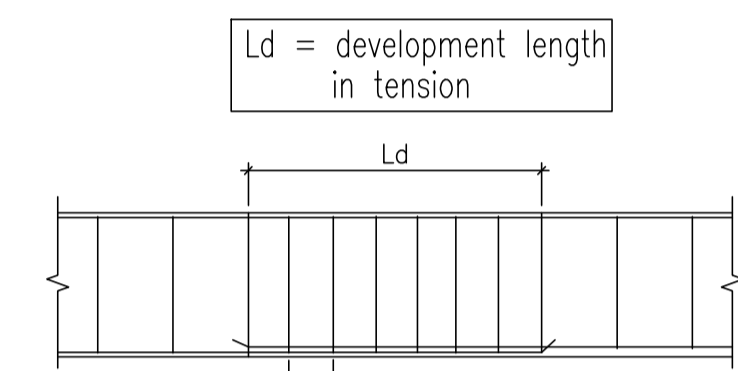
TYPICAL REINFORCEMENT CURTAILMENT
DETAILS OF BEAM (CASE - 1)



TYPICAL REINFORCEMENT CURTAILMENT
DETAILS OF BEAM (CASE - 2)

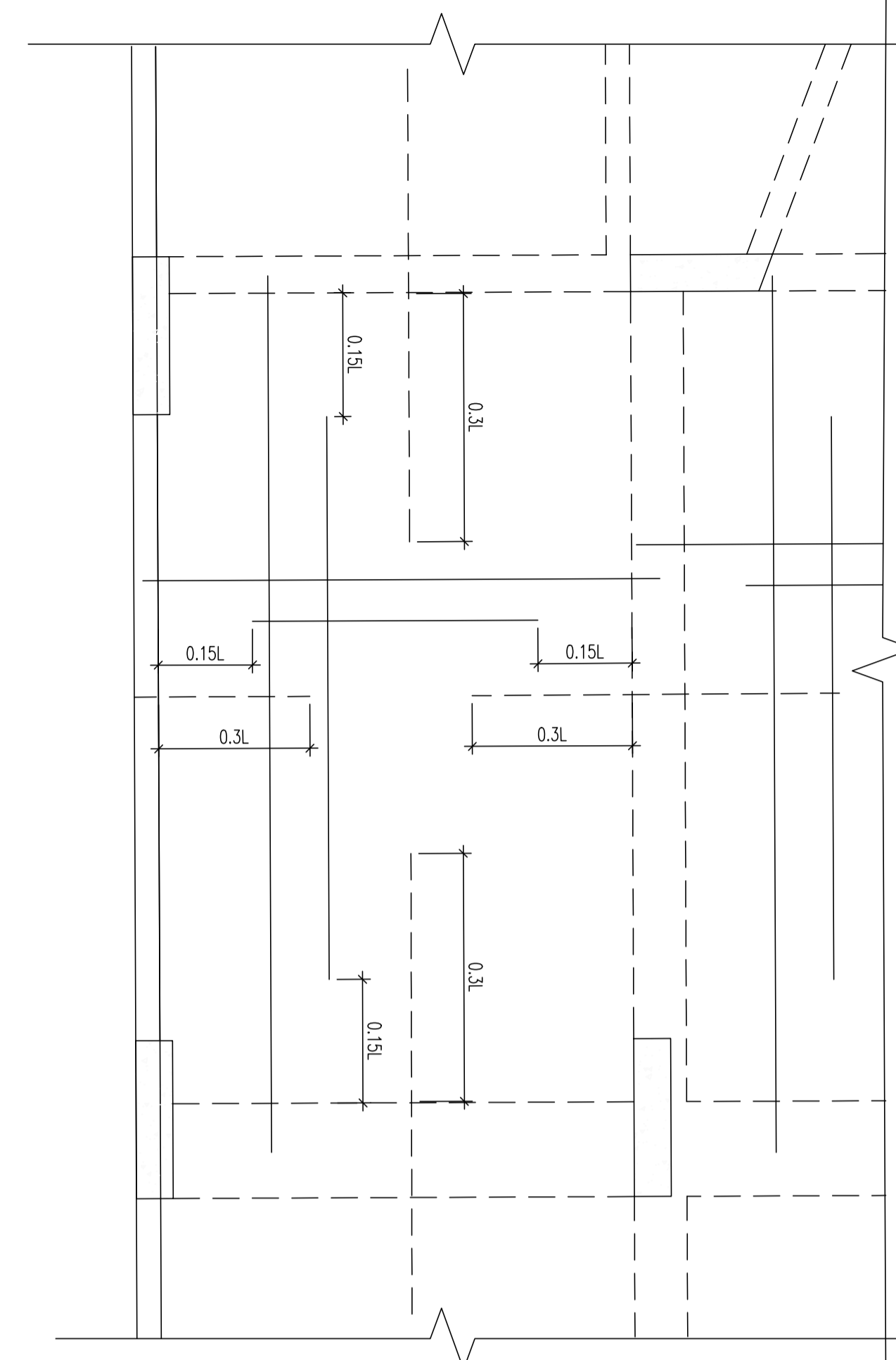


TYPICAL SEC. OF STAIR CASE

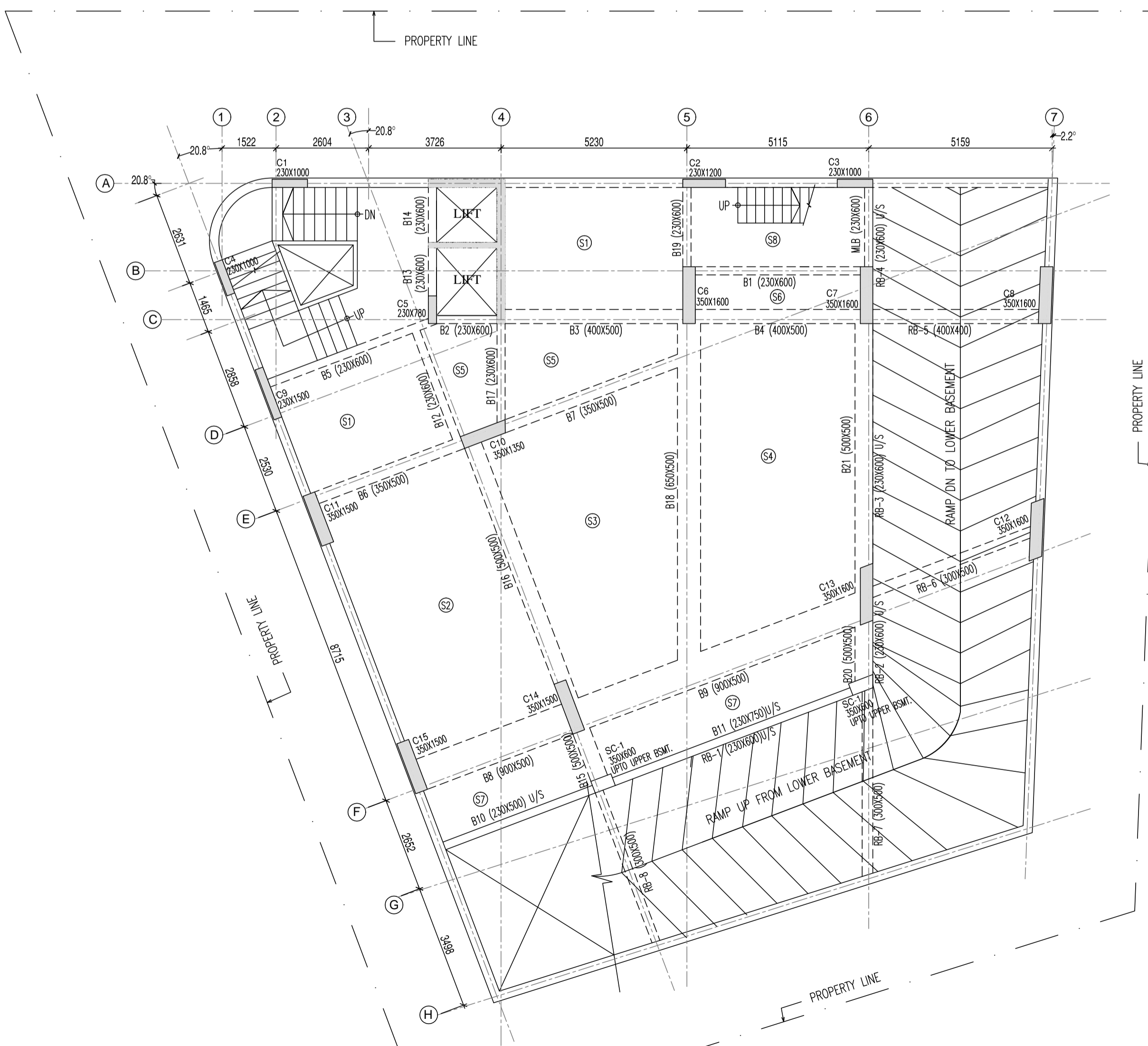


LAP, SPLICE IN BEAM

UPPER BASEMENT SLAB SCHEDULE					
GRADE OF CONCRETE - M30					
SLAB MKD.	DEPTH	REINF. AT SHORTER DIRECTION	SPAN (BOTT.)	SUPPT. (TOP)	SPAN (BOTT.)
S1	150	8# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S2	165	10# @ 125 C/C	10# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C
S3	200	10# @ 125 C/C	10# @ 150 C/C	10# @ 200 C/C	10# @ 200 C/C
S4	165	10# @ 150 C/C	10# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S5	150	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S6	125	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S7	125	8# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S8	165	10# @ 150 C/C	10# @ 150 C/C	10# @ 200 C/C	10# @ 200 C/C



TYPICAL REINFORCEMENT CURTAILMENT DETAILS OF SLAB

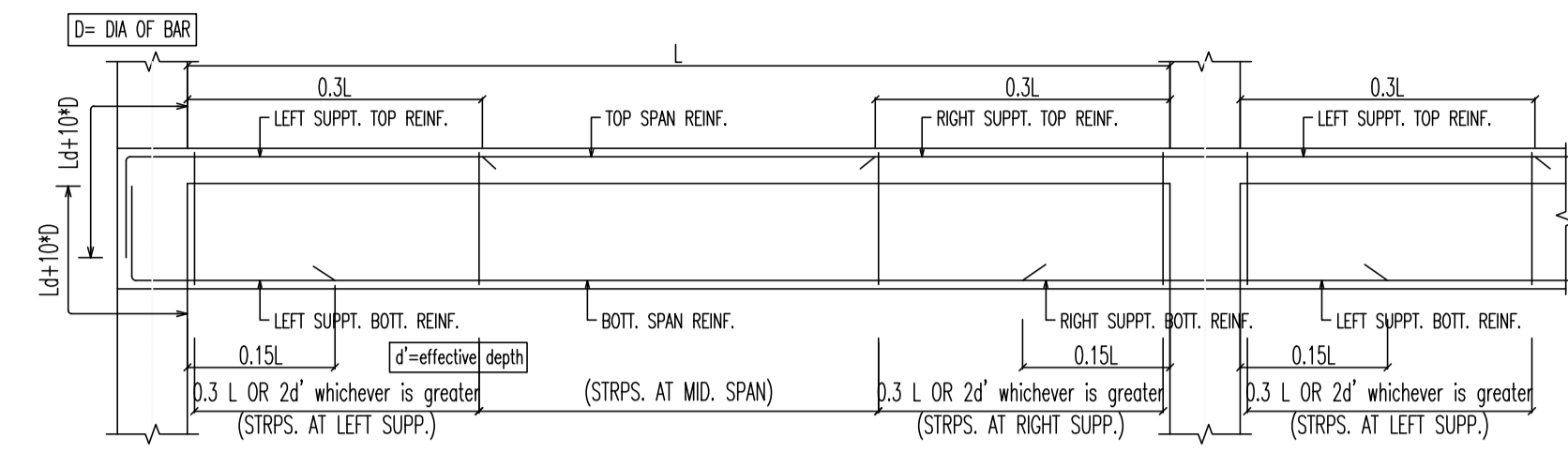


UPPER BASEMENT LAYOUT PLAN
TOP OF UPPER BASEMENT SLAB (STRL. LEV.) (-1600)

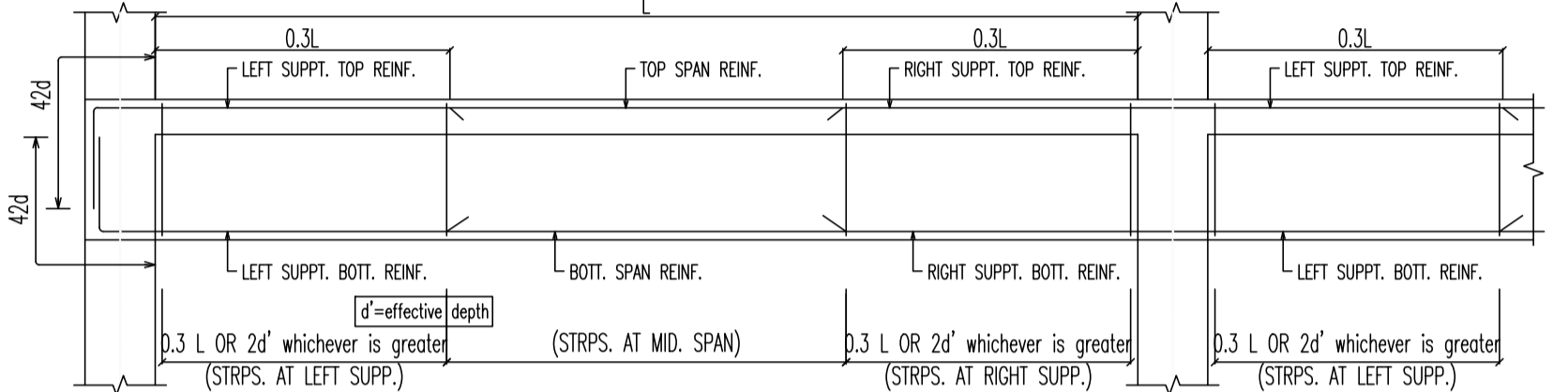
UPPER BASEMENT BEAM SCHEDULE											
GRADE OF CONCRETE - M30											
BEAM MKD.	BEAM SIZE	REINF. AT LEFT SUPP.		REINF. AT SPAN		REINF. AT RIGHT SUPP.		STIRRUPS			
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	AT LEFT SUPP.	AT SPAN	AT RIGHT SUPP.	
B1	230 600	3-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#
B2	230 600	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#
B3	400 500	3-16# + 2-12#	3-16#	3-16#	3-16#	3-16# + 2-12#	3-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B4	400 500	3-16# + 2-12#	3-16#	3-16#	3-16#	3-16# + 2-12#	3-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B5	230 600	3-16# + 2-12#	3-16#	3-16#	3-16#	3-16#	3-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B6	350 500	3-16# + 2-12#	3-16#	3-16#	3-16#	3-16#	3-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B7	350 500	5-16# + 3-16#	3-16#	3-16#	3-16#	3-16#	3-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B8	900 500	7-16#	7-16#	7-16#	7-16#	7-16#	7-16#	6-# @ 100 C/C	6-# @ 200 C/C	6-# @ 100 C/C	6-# @ 100 C/C
B9	900 500	9-16# + 9-16#	7-16#	7-16#	7-16#	7-16# + 5-16#	7-16#	6-# @ 100 C/C	6-# @ 200 C/C	6-# @ 100 C/C	6-# @ 100 C/C
B10(U/S)	230 500	2-16#	2-16#	2-16#	2-16#	3-16# + 2-16#	2-16#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B11(U/S)	230 750	3-16# + 2-16#	2-16#	2-16#	3-16# + 2-16#	3-16# + 2-16#	2-16#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B12	230 600	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B13	230 600	2-16# + 1-12#	2-16#	2-16#	2-16#	2-16#	2-16#	2-# @ 100 C/C	2-# @ 100 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B14	230 600	2-16# + 1-12#	2-16#	2-16#	2-16#	2-16#	2-16#	2-# @ 100 C/C	2-# @ 100 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B15	500 500	6-16# + 5-20#	4-16#	4-16#	6-16# + 5-20#	6-16# + 5-20#	4-16#	4-# @ 100 C/C	4-# @ 100 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B16	500 500	6-16# + 5-20#	4-16#	4-16#	6-16#	6-16# + 4-16#	4-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B17	230 600	3-16#	2-16#	2-16#	3-16#	3-16#	3-16#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B18	650 500	6-25#	6-25#	6-25#	6-25# + 2-20#	6-25# + 6-25#	6-25#	4-# @ 125 C/C	4-# @ 125 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B19	230 600	3-16# + 2-12#	2-16#	2-16#	2-16#	2-16#	2-16#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
B20	500 500	5-20# + 4-20#	5-16#	5-16#	5-16# + 4-20#	5-16# + 4-20#	5-16#	4-# @ 100 C/C	4-# @ 100 C/C	4-# @ 100 C/C	4-# @ 100 C/C
B21	500 500	5-20# + 4-20#	5-16#	5-20#	5-16# + 3-16#	5-20# + 4-20#	5-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
BEAM SCHEDULE FOR RAMP											
RB1 (U/S)	230 600	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
RB2 (U/S)	230 600	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
RB3 (U/S)	230 600	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
RB4 (U/S)	230 600	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
RB5	400 400	4-16# + 2-12#	4-16#	4-16#	4-16# + 2-12#	4-16# + 2-12#	4-16#	4-# @ 100 C/C	4-# @ 200 C/C	4-# @ 100 C/C	4-# @ 100 C/C
RB6	300 500	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
RB7	300 500	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C
RB8	300 500	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2-# @ 100 C/C	2-# @ 200 C/C	2-# @ 100 C/C	2-# @ 100 C/C

- NOTES:-
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 3. ALL GRADE OF CONCRETE M-30.
 4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
 5. FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
 6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'd' IS THE SMALLEST BAR DIA.
 7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. STUB COLUMN 25
b. BAND BEAM. 20 20 20
 9. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.
 10. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ARCHITECTURAL DRAWINGS -

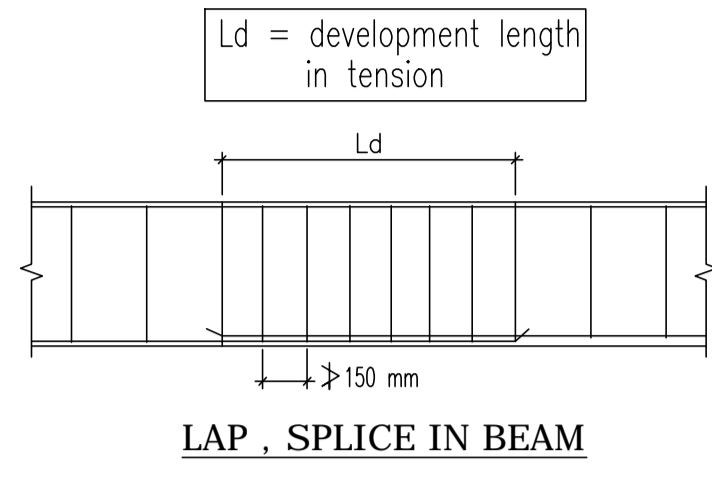
REVISION	NO	DATE
ISSUED FOR		
OWNER		
PROJECT	PROPOSED ADRESHA MALL AT SAKCHI, JAMSHEDPUR	
TITLE	UPPER BASEMENT G.A. AND SCHEDULE	
ARCHITECTS	VINEET SINHA ARCHITECTS 1A, FIRST FLOOR, 'SMRITI', 8th AVENUE BISTUPUR, JAMSHEDPUR 831001 PH:2424998, FAX: 2424777	
STRUCTURAL ENGINEERS	S.P.A. CONSULTANTS 34, RAM MOHAN DUTTA ROAD KOLKATA - 700020 PH. NO 2485-5448/5449,2475-7614(Tel.Fax) E-mail: spa_cons@yahoo.co.in	
DRAWN BY:	CHECKED BY:	DATE:
KHOKAN	PRITHWISH	24.08.18
JOB NO.	2018 07 V.S.	SPA/53-II
DRG. NO.	2018 /07/V.S/SPA/53-II/ADRESHA MALL/ST-04/R0	ADRESHA MALL
SCALE:	1:100,50,25	



TYPICAL REINFORCEMENT CURTAILMENT
DETAILS OF BEAM (CASE - 1)

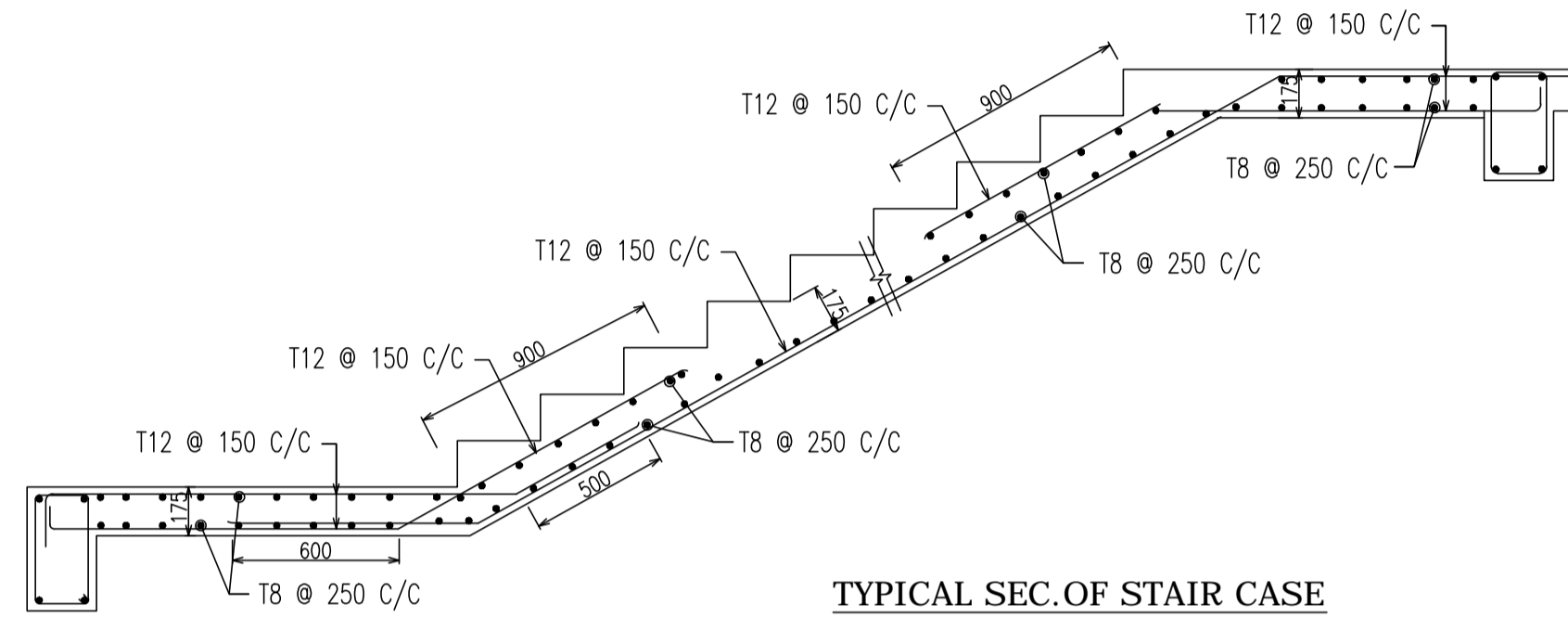


TYPICAL REINFORCEMENT CURTAILMENT
DETAILS OF BEAM (CASE - 2)

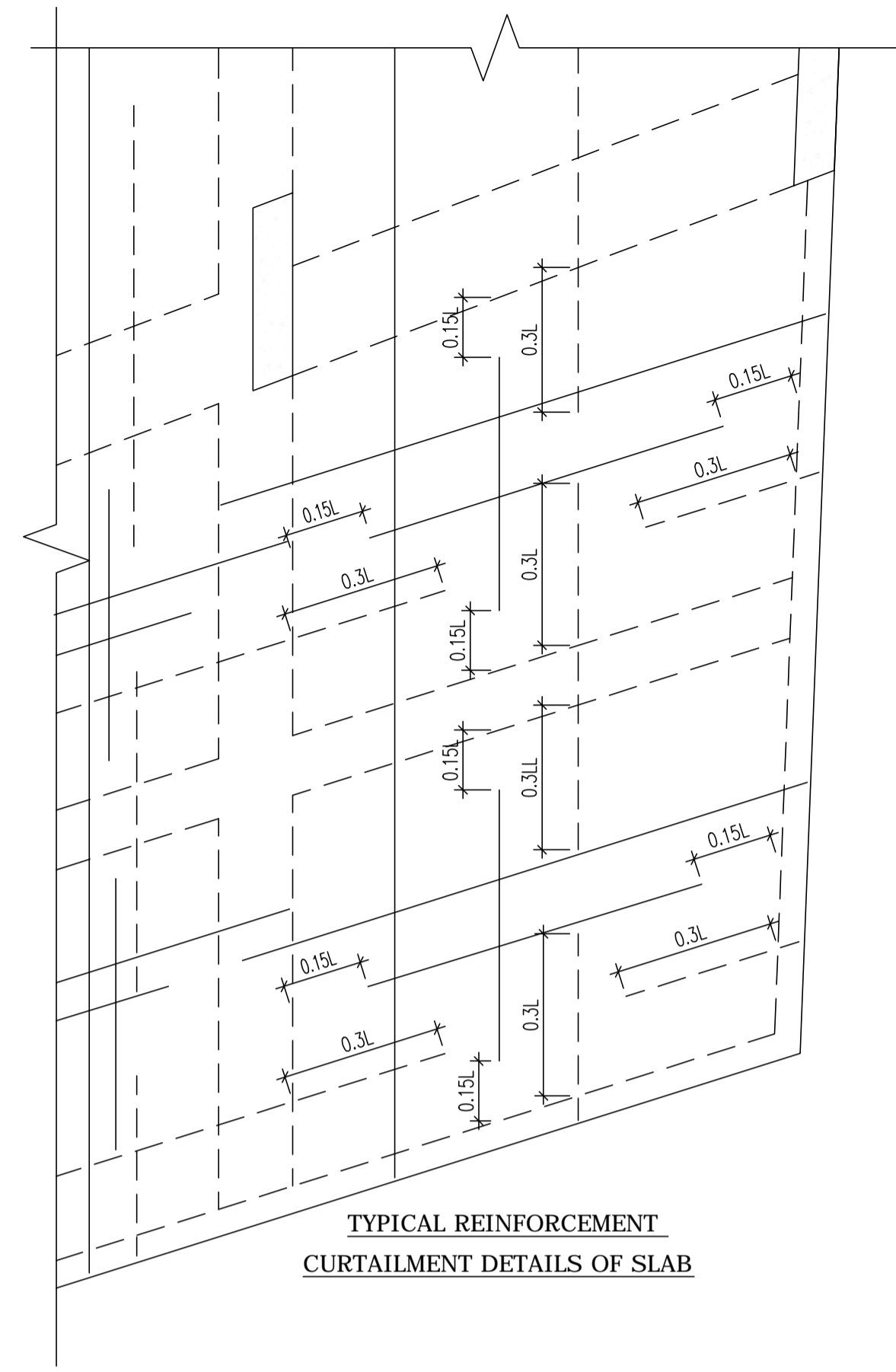


LAP, SPLICE IN BEAM

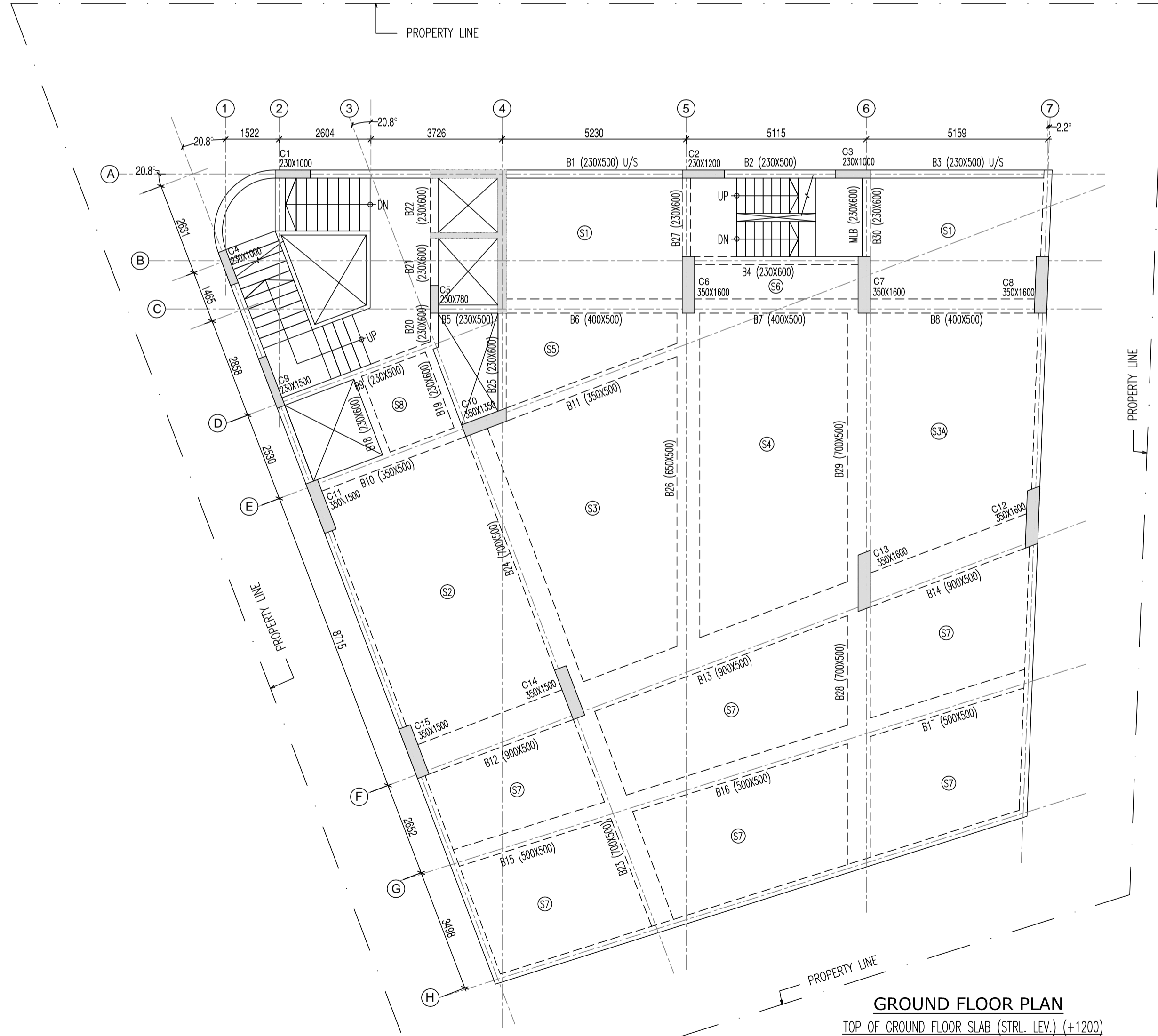
GROUND FLOOR SLAB SCHEDULE					
GRADE OF CONCRETE - M30					
SLAB MKD.	DEPTH	REINF. AT SHORTER DIRECTION		REINF. AT LONGER DIRECTION	
		SUPPT. (TOP)	SPAN (BOTT.)	SUPPT. (TOP)	SPAN (BOTT.)
S1	150	8# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S2	165	10# @ 125 C/C	10# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C
S3	200	10# @ 125 C/C	8# @ 150 C/C	10# @ 200 C/C	10# @ 200 C/C
S4	165	10# @ 150 C/C	10# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S5	150	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S6	125	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S7	150	10# @ 125 C/C	10# @ 125 C/C	8# @ 200 C/C	8# @ 200 C/C
S8	125	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S3A	165	10# @ 150 C/C	10# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C



TYPICAL SEC. OF STAIR CASE



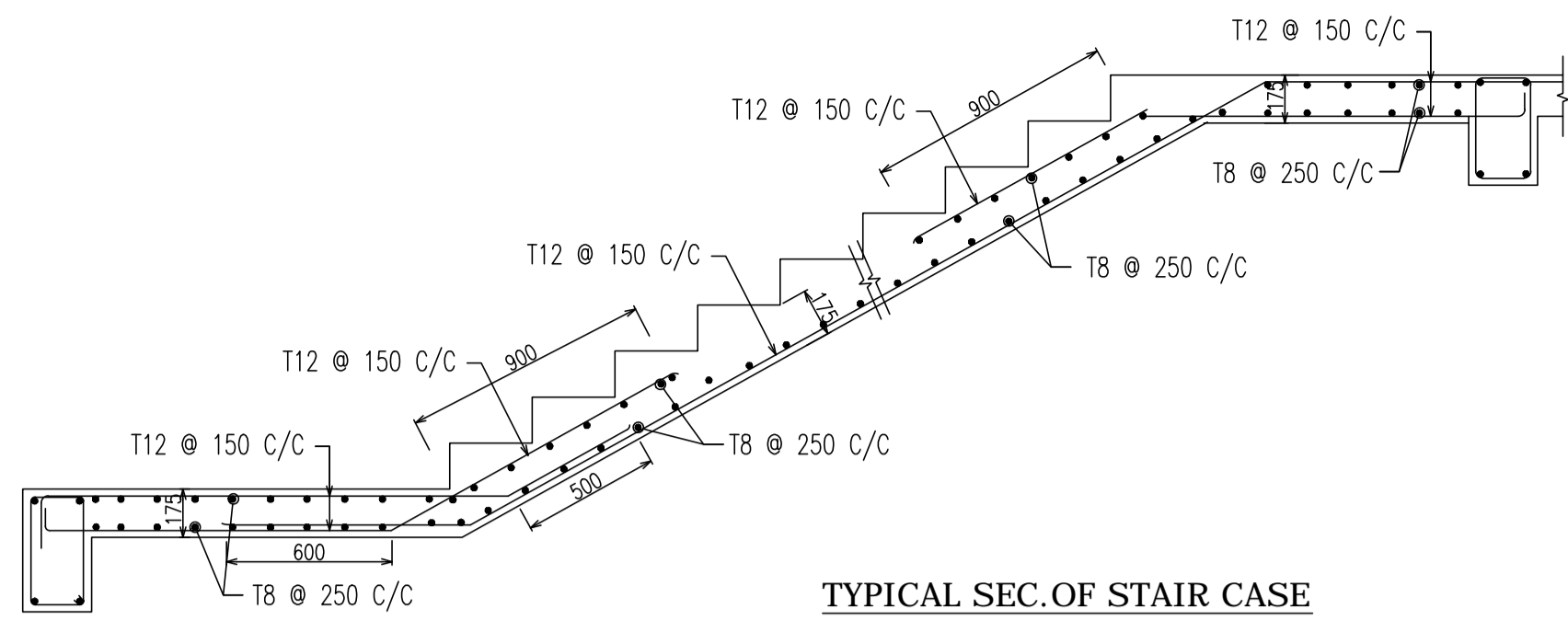
TYPICAL REINFORCEMENT
CURTAILMENT DETAILS OF SLAB



GROUND FLOOR BEAM SCHEDULE											
GRADE OF CONCRETE - M30											
BEAM MKD.	BEAM SIZE	REINF. AT LEFT SUPP.		REINF. AT SPAN		REINF. AT RIGHT SUPP.		STIRRUPS			
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	AT LEFT SUPPT.	AT SPAN	AT RIGHT SUPPT.	
B1 (U/S)	230 500	3-20# + 3-20#	3-20#	2-20#	3-20#	3-20# + 3-20#	3-20#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 100 C/C	
B2	230 500	3-20# + 3-20#	3-20# + (2-20# + 1-16#)	2-20#	2-20# + (2-20# + 1-16#)	3-20# + 3-20#	3-20# + (2-20# + 1-16#)	2L- 10# @ 100 C/C	2L- 10# @ 200 C/C	2L- 10# @ 100 C/C	
B3 (U/S)	230 500	3-20# + 3-20#	3-20#	2-20#	3-20#	2-20#	2-20#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 100 C/C	
B4	230 600	3-20#	2-16# + 1-12#	2-20#	2-16# + 1-12#	2-20# + 2-16#	2-16# + 1-12#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 100 C/C	
B5	230 500	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	
B6	400 500	4-16# + 2-12#	4-16#	4-16#	4-16#	4-16# + 2-12#	4-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B7	400 500	4-16# + 2-12#	4-16#	4-16#	4-16#	4-16#	4-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B8	400 500	4-16# + 2-12#	4-16#	4-16#	4-16#	4-16# + 2-12#	4-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B9	230 500	3-16#	2-16# + 1-12#	2-16#	2-16# + 1-12#	3-16#	2-16# + 1-12#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 200 C/C	
B10	350 500	4-16# + 2-12#	4-16#	4-16#	4-16#	4-16# + 4-16#	4-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B11	350 500	4-16# + 4-16#	4-16#	4-16#	4-16#	4-16#	4-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 200 C/C	
B12	900 500	(5-20# + 2-16#) + 3-16#	5-20#	5-20#	5-20#	7-20# + 7-20#	5-20#	6L- 8# @ 100 C/C	6L- 8# @ 200 C/C	6L- 8# @ 100 C/C	
B13	900 500	7-20# + 7-20#	5-20#	5-20#	(5-20# + 2-16#) + 4-16#	(5-20# + 2-16#) + 4-16#	5-20#	6L- 8# @ 100 C/C	6L- 8# @ 200 C/C	6L- 8# @ 100 C/C	
B14	900 500	(5-20# + 2-16#) + 7-20#	5-20#	5-20#	5-20#	5-20#	5-20#	6L- 8# @ 100 C/C	6L- 8# @ 200 C/C	6L- 8# @ 100 C/C	
B15	500 500	5-20#	5-16#	5-20#	5-16#	5-20# + 3-16#	5-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B16	500 500	5-20# + 3-16#	5-16#	5-20#	7-16#	7-20# + 7-20#	7-16#	4L- 8# @ 100 C/C	4L- 8# @ 175 C/C	4L- 8# @ 100 C/C	
B17	500 500	7-20# + 7-20#	5-16#	5-20#	5-16#	5-20#	5-16#	4L- 8# @ 100 C/C	4L- 8# @ 100 C/C	4L- 8# @ 100 C/C	
B18	230 600	2-12#	2-16#	2-12#	2-16#	2-12#	2-16#	2L- 8# @ 150 C/C	2L- 8# @ 150 C/C	2L- 8# @ 150 C/C	
B19	230 600	2-16#	2-16#	4-16#	2-16#	4-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 200 C/C	
B20	230 600	2-16# + 2-16#	2-16#	2-16# + 2-16#	2-16#	2-16# + 2-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	
B21	230 600	2-16# + 2-16#	2-16#	2-16# + 2-16#	2-16#	2-16# + 2-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	
B22	230 600	2-16# + 2-16#	2-16#	2-16# + 2-16#	2-16#	2-16# + 2-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	2L- 8# @ 100 C/C	
B23	700 500	6-20#	6-20#	6-20#	6-20#	6-20# + 6-20#	6-20#	4L- 8# @ 100 C/C	4L- 8# @ 100 C/C	4L- 8# @ 100 C/C	
B24	700 500	6-20# + 6-20#	6-16#	6-20#	6-16#	6-20#	6-16#	4L- 8# @ 100 C/C	4L- 8# @ 100 C/C	4L- 8# @ 100 C/C	
B25	230 600	3-16# + 2-12#	3-16#	2-16#	3-16# + 2-16#	3-16# + 2-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 100 C/C	
B26	650 500	7-20#	7-20# + 7-20#	7-20#	7-20# + 7-25#	9-20# + 7-25#	7-20# + 2-20#	4L- 8# @ 100 C/C	4L- 8# @ 125 C/C	4L- 8# @ 100 C/C	
B27	230 600	3-16# + 2-16#	2-16# + 1-12#	2-16#	2-16# + 1-12#	2-16#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 100 C/C	
B28	700 500	7-20#	7-20#	7-20#	9-20# + 9-20#	9-20# + 9-20#	7-20#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B29	700 500	9-20# + 9-20#	5-16#	7-20#	5-16#	7-20# + 2-16#	5-16#	4L- 8# @ 100 C/C	4L- 8# @ 200 C/C	4L- 8# @ 100 C/C	
B30	230 600	3-20# + 2-20#	3-16#	2-20#	3-16#	2-20#	2-16#	2L- 8# @ 100 C/C	2L- 8# @ 200 C/C	2L- 8# @ 100 C/C	

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 - ALL GRADE OF CONCRETE M-30.
 - ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
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 - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. STUB COLUMN 25
b. BAND BEAM. 20 20 20
 - THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ARCHITECTURAL DRAWINGS -

REVISION	NO	DATE	
ISSUED FOR			
OWNER			
PROJECT PROPOSED ADRESHA MALL AT SAKCHI, JAMSHEDPUR			
TITLE GROUND FLOOR G.A. AND SCHEDULE			
ARCHITECTS VINEET SINHA ARCHITECTS 1A, FIRST FLOOR, 'SMRITI', 8th AVENUE BISTUPUR, JAMSHEDPUR 831001 PH:2424998, FAX: 2424777			
STRUCTURAL ENGINEERS S.P.A. CONSULTANTS 34, RAM MOHAN DUTTA ROAD KOLKATA - 700020 PH. NO 2485-5448/5449,2475-7614(Tel.Fax) E-mail: spa_cons@yahoo.co.in			
DRAWN BY: KHOKAN	CHECKED BY: PRITHWISH	DATE: 24.08.18	SCALE: 1:100,50,25
JOB NO.	2018/07/V.S/SPA/53-II/ADRESHA MALL	V.S.	ADRESHA MALL
DRG. NO.	2018/07/V.S/SPA/53-II/ADRESHA MALL/ST-05/R0		



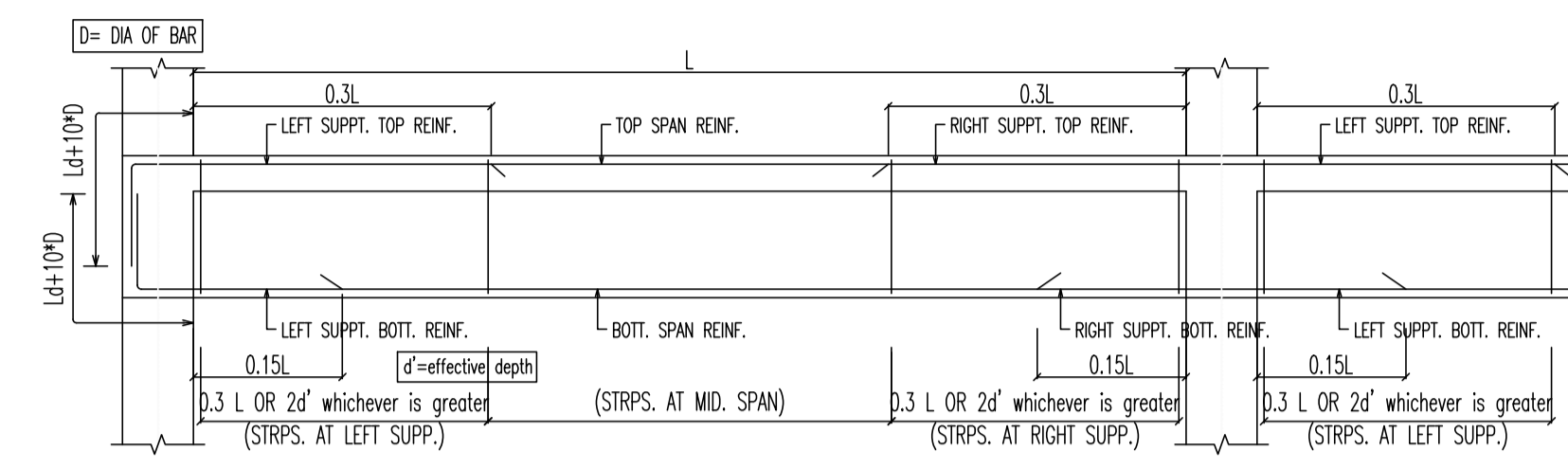
TYPICAL SEC. OF STAIR CASE

TYP. FL. (1ST. TO 3RD. FL.) FLOOR BEAM SCHEDULE

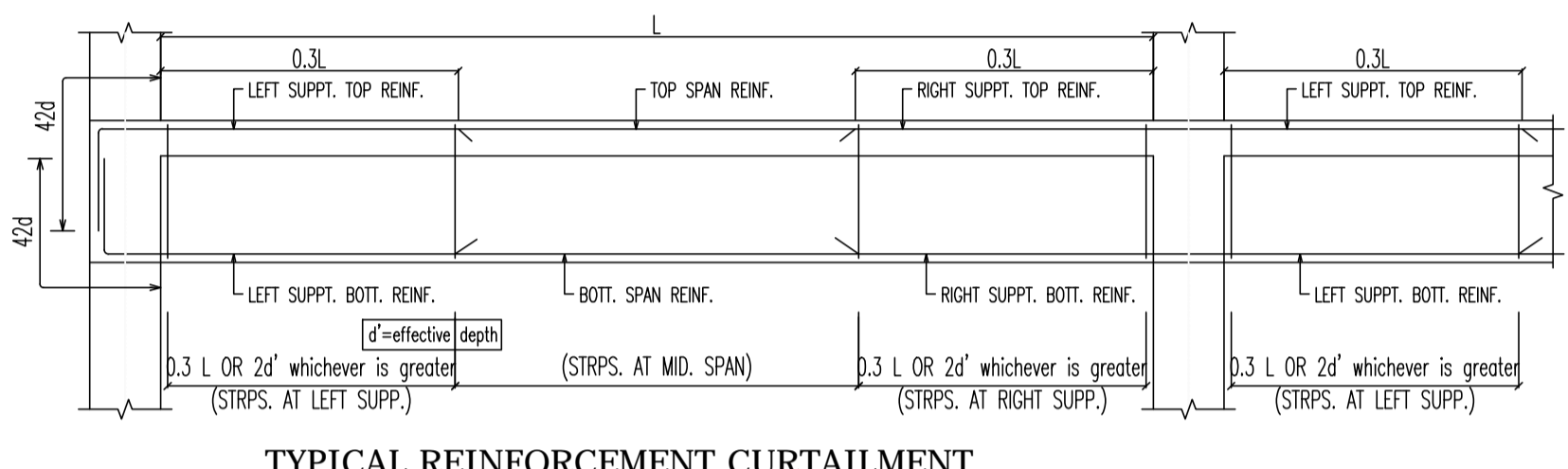
BEAM MKD.	BEAM SIZE	REINF. AT LEFT SUPP.		REINF. AT SPAN		REINF. AT RIGHT SUPP.		STIRRUPS			
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	AT LEFT SUPP.	AT SPAN	AT RIGHT SUPP.	
B1	230 600	3-25# + 3-16#	3-25# + 2-25#	3-25#	3-25#	3-25# + 3-25#	3-25# + 3-16#	3-25#	2L-10# @ 100 C/C	2L-10# @ 100 C/C	2L-10# @ 100 C/C
B2	230 600	3-25# + 3-16#	3-25#	2-25#	3-25#	3-25# + 3-16#	3-25#	3-25#	2L-10# @ 100 C/C	2L-10# @ 150 C/C	2L-10# @ 100 C/C
B3	230 600	3-25# + 3-16#	3-25# + 2-25#	2-25#	3-25#	3-25# + 2-25#	3-25# + 3-16#	3-25#	2L-10# @ 100 C/C	2L-10# @ 100 C/C	2L-10# @ 100 C/C
B4	230 600	3-25# + 3-16#	3-16#	2-25#	3-16# + 2-12#	2-25#	3-16#	3-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B5	230 600	3-16# + 2-16#	3-16# + 2-12#	2-16#	3-16#	3-16# + 3-16#	3-16#	3-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B6	230 600	2-16#	2-16#	2-16#	2-16#	3-16#	2-16#	2-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B7	250 600	3-16# + 3-16#	3-16#	2-16#	3-16#	3-16# + 3-16#	3-16#	3-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B8	250 600	3-16# + 2-12#	3-16#	2-16#	3-16#	3-16# + 2-16#	3-16#	3-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B9	250 600	3-16# + 2-16#	3-16#	2-16#	3-16#	3-16# + 3-16#	3-16#	3-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B10	230 600	3-16#	2-16#	2-16#	3-16#	3-16#	2-16#	2-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B11	350 600	4-16# + 3-16#	4-16#	4-16#	4-16# + 4-16#	4-16# + 4-16#	4-16#	4-16#	4L-8# @ 100 C/C	4L-8# @ 150 C/C	4L-8# @ 100 C/C
B12	350 600	5-16# + 4-20#	4-16#	5-16#	4-16#	5-16#	4-16#	4-16#	4L-8# @ 100 C/C	4L-8# @ 150 C/C	4L-8# @ 150 C/C
B13	800 600	8-16# + 7-16#	8-16#	8-16#	8-16#	8-16# + 8-16#	8-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 150 C/C	6L-8# @ 100 C/C
B14	800 600	8-16# + 6-20#	8-16#	8-16#	8-16# + 4-16#	8-16# + 5-25#	8-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 150 C/C	6L-8# @ 100 C/C
B15	800 600	8-16# + 5-25#	8-16#	8-16#	8-16#	8-16#	8-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 150 C/C	6L-8# @ 100 C/C
B16	230 600	2-16#	2-16#	2-16#	2-16#	3-16# + 3-20#	2-16#	2-16#	2L-8# @ 200 C/C	2L-8# @ 150 C/C	2L-8# @ 150 C/C
B17	230 600	3-16# + 3-20#	2-16#	2-16#	3-16# + 2-16#	3-16#	3-16#	3-16#	2L-8# @ 100 C/C	2L-8# @ 150 C/C	2L-8# @ 100 C/C
B18	230 600	3-16# + 2-16#	3-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2L-8# @ 150 C/C	2L-8# @ 150 C/C	2L-8# @ 200 C/C
B19	350 600	4-16#	4-16#	4-16#	4-16#	4-16# + 3-25#	4-16#	4-16#	4L-8# @ 100 C/C	4L-8# @ 100 C/C	4L-8# @ 100 C/C

TYP. FL. (1ST. TO 3RD. FL.) FLOOR BEAM SCHEDULE

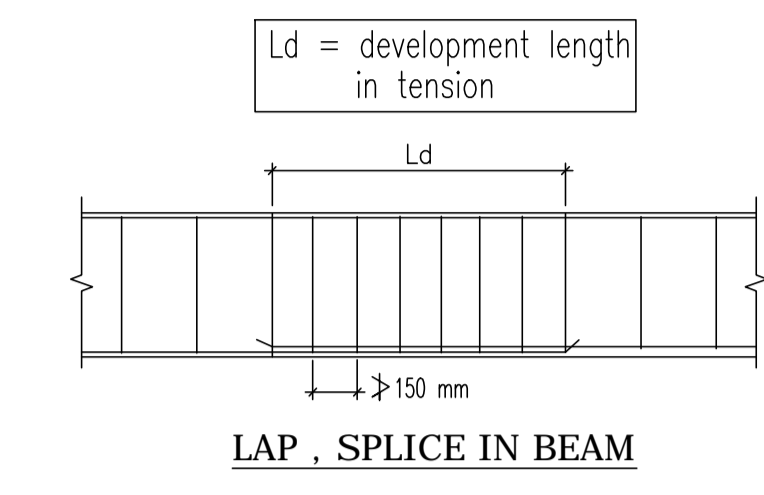
BEAM MKD.	BEAM SIZE	REINF. AT LEFT SUPP.		REINF. AT SPAN		REINF. AT RIGHT SUPP.		STIRRUPS			
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	AT LEFT SUPP.	AT SPAN	AT RIGHT SUPP.	
B20	350 600	4-16# + 3-16#	4-16#	4-16#	4-16#	4-16#	4-16#	4-16#	4L-8# @ 100 C/C	4L-8# @ 150 C/C	4L-8# @ 100 C/C
B21	230 600	3-25# + 2-25#	2-25#	2-25#	3-25#	3-25# + 1-12#	3-25#	3-25#	2L-10# @ 100 C/C	2L-10# @ 100 C/C	2L-10# @ 100 C/C
B22	230 600	3-25# + 2-16#	3-16#	2-25#	2-25#	2-25#	3-25# + 2-16#	2-16#	2L-10# @ 100 C/C	2L-10# @ 100 C/C	2L-10# @ 100 C/C
B23	230 600	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2-16#	2L-8# @ 150 C/C	2L-8# @ 150 C/C	2L-8# @ 150 C/C
B24	230 600	3-16# + 2-12#	2-16#	3-16#	2-16#	3-16#	2-16#	2-16#	2L-8# @ 150 C/C	2L-8# @ 150 C/C	2L-8# @ 150 C/C
B25	230 600	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	3-20#	2L-8# @ 100 C/C	2L-8# @ 100 C/C	2L-8# @ 100 C/C
B26	230 600	3-20# + 2-20#	2-20#	2-20#	3-20#	3-20#	2-20#	2-20#	2L-10# @ 100 C/C	2L-10# @ 100 C/C	2L-10# @ 100 C/C
B27	230 600	3-20#	2-20#	2-20#	2-20#	2-20#	2-20#	2-20#	2L-10# @ 100 C/C	2L-10# @ 100 C/C	2L-10# @ 100 C/C
B28	800 600	6-16#	8-16#	6-16#	8-16#	10-16# + 9-25#	8-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 100 C/C	6L-8# @ 100 C/C
B29	800 600	10-16# + 9-25#	8-16#	8-16#	8-16#	8-16#	8-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 150 C/C	6L-8# @ 100 C/C
B30	230 600	3-16# + 2-20#	3-16#	3-20#	3-16# + 2-16#	3-20# + 3-16#	3-16#	3-16#	2L-10# @ 100 C/C	2L-10# @ 150 C/C	2L-10# @ 100 C/C
B31	500 600	4-25#	6-16# + 4-20#	4-25#	6-16# + 6-20#	6-25# + 4-25#	6-16# + 4-20#	4-16#	4L-8# @ 150 C/C	4L-8# @ 100 C/C	4L-8# @ 100 C/C
B32	230 600	3-16# + 3-20#	3-16#	2-16#	3-16#	2-16#	3-16#	3-16#	2L-10# @ 100 C/C	2L-10# @ 150 C/C	2L-10# @ 100 C/C
B33	800 600	8-16#	8-16#	10-16# + 5-25#	8-16#	12-16# + 10-25#	8-16# + 4-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 100 C/C	6L-8# @ 100 C/C
B34	800 600	12-16# + 10-25#	8-16# + 4-16#	8-16#	8-16# + 6-20#	8-16# + 4-16#	8-16#	8-16#	6L-8# @ 100 C/C	6L-8# @ 150 C/C	6L-8# @ 100 C/C
B35	230 600	3-25# + 2-25#	2-25#	2-25#	2-25#	2-25#	2-25#	2-25#	2L-10# @ 100 C/C	2L-10# @ 150 C/C	2L-10# @ 100 C/C
B36	350 600	4-25#	4-16#	4-25#	4-16#	4-25# + 3-25#	4-16# + 2-20#	4-16#	4L-10# @ 100 C/C	4L-10# @ 100 C/C	4L-10# @ 100 C/C
B37	350 600	4-25# + 3-25#	4-16# + 2-20#	4-25#	4-16# + 2-20#	4-25#	4-16# + 6-20#	4-16#	4L-10# @ 100 C/C	4L-10# @ 150 C/C	4L-10# @ 100 C/C
B38	350 600	4-25#	4-16#	4-25#	4-16#	4-25#	4-16#	4-16#	4L-8# @ 100 C/C	4L-8# @ 150 C/C	4L-8# @ 100 C/C



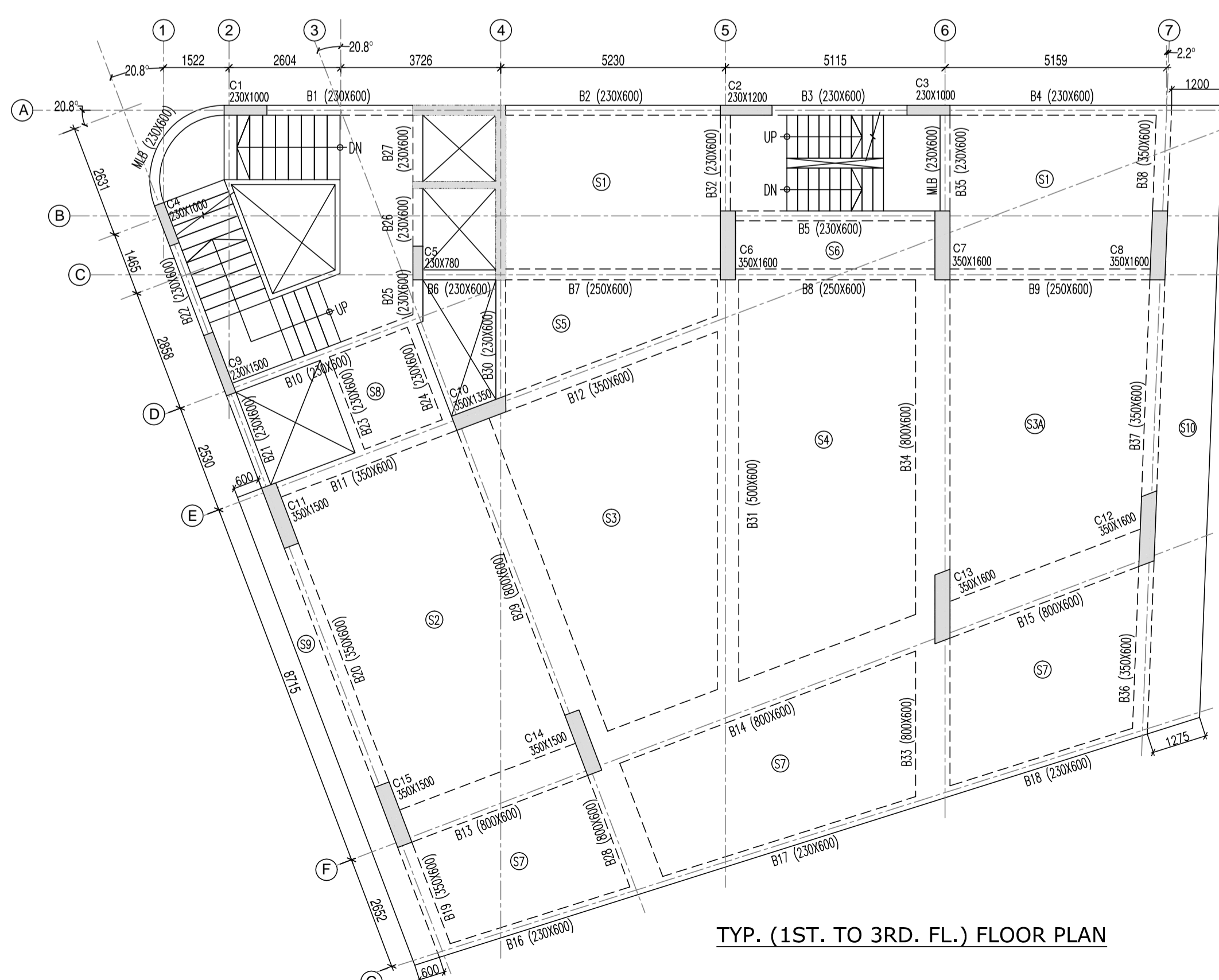
TYPICAL REINFORCEMENT CURTAILMENT DETAILS OF BEAM (CASE - 1)



TYPICAL REINFORCEMENT CURTAILMENT DETAILS OF BEAM (CASE - 2)



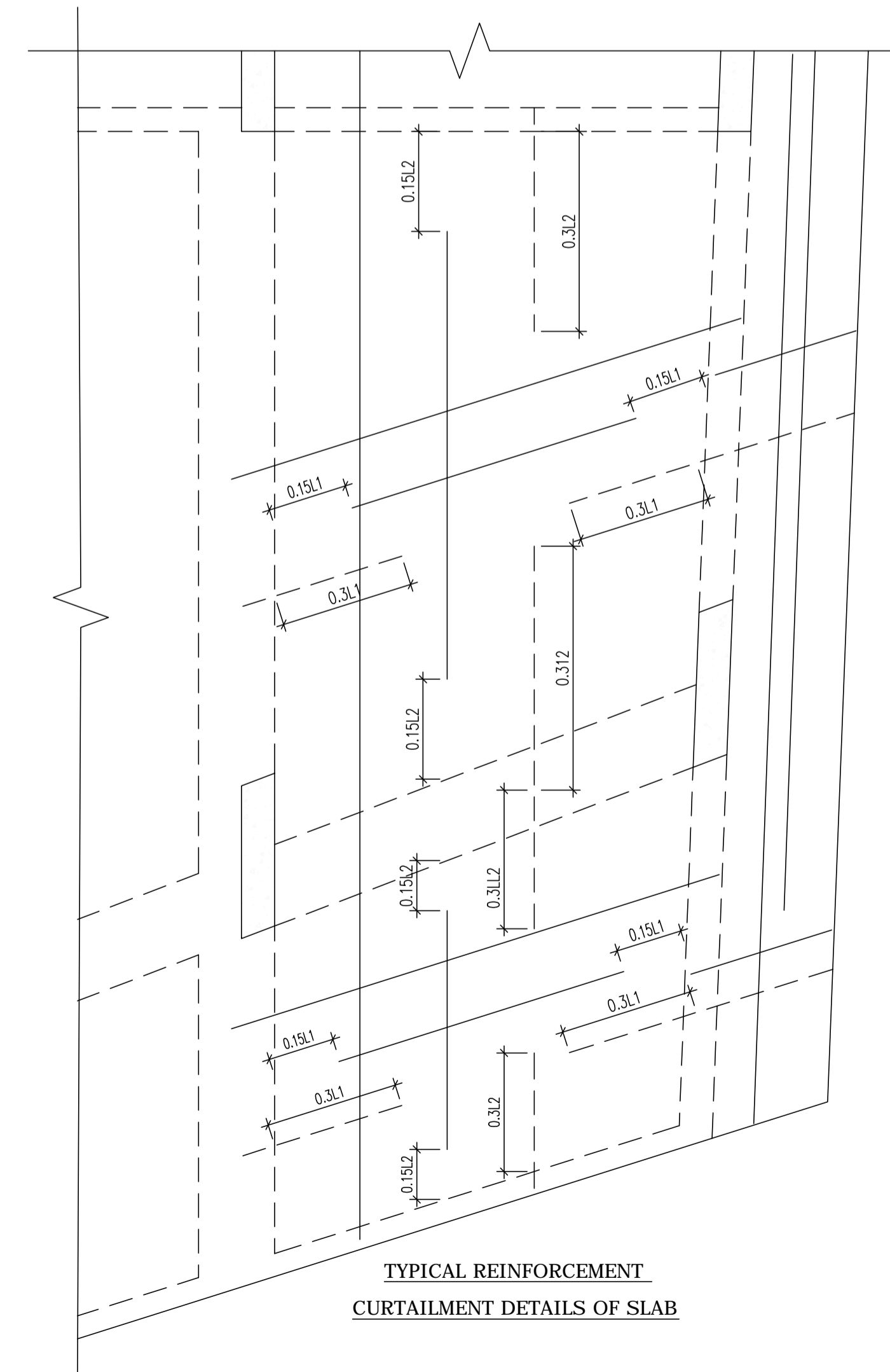
LAP, SPLICE IN BEAM



TYP. (1ST. TO 3RD. FL.) FLOOR PLAN

TYP. FL. (1ST. TO 3RD. FL.) FLOOR SLAB SCHEDULE

SLAB MKD.	DEPTH	REINF. AT SHORTER DIRECTION		REINF. AT LONGER DIRECTION	
		SUPPT. (TOP)	SPAN (BOTT.)	SUPPT. (TOP)	SPAN (BOTT.)
S1	150	8# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S2	165	10# @ 125 C/C	10# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C
S3	200	10# @ 125 C/C	10# @ 150 C/C	10# @ 200 C/C	10# @ 200 C/C
S4	165	10# @ 150 C/C	10# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C
S5	150	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S6	125	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S7	150	10# @ 125 C/C	10# @ 125 C/C	8# @ 200 C/C	8# @ 200 C/C
S8	125	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C
S9	165	10# @ 150 C/C	10# @ 150 C/C	8# @ 150 C/C	8# @ 200 C/C
S10	150	10# @ 150 C/C	8# @ 200 C/C	8# @ 200 C/C	8# @ 200 C/C



TYPICAL REINFORCEMENT CURTAILMENT DETAILS OF SLAB

- NOTES:-
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 3. ALL GRADE OF CONCRETE M-30.
 4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
 5. FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
 6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
 7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. STUB COLUMN			25
b. BAND BEAM.	20	20	20
 9. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.
 10. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE FOLLOWING ARCHITECTURAL DRAWINGS -

REVISION	NO	DATE
ISSUED FOR		
OWNER		
PROJECT	PROPOSED ADRESHA MALL AT SAKCHI, JAMSHEDPUR	
TITLE	TYP. FLOOR (1ST. TO 3RD. FL.) G.A. AND SCHEDULE	
ARCHITECTS	VINEET SINHA ARCHITECTS 1A, FIRST FLOOR, 'SMRITI', 8th AVENUE BISTUPUR, JAMSHEDPUR 831001 PH:2424998, FAX: 2424777	
STRUCTURAL ENGINEERS	S.P.A. CONSULTANTS 34, RAM MOHAN DUTTA ROAD KOLKATA - 700020 PH. NO 2485-5448/5449,2475-7614(Tel.Fax) E-mail: spa_cons@yahoo.co.in	
DRAWN BY:	CHECKED BY:	DATE:
KHOKAN	PRITHWISH	24.08.18
JOB NO.	2018/07/V.S./SPA/53-II	SCALE:
	V.S.	1:100,50,25
DRG. NO.	2018/07/V.S./SPA/53-II/ADRESHA MALL/ST-06/R0	