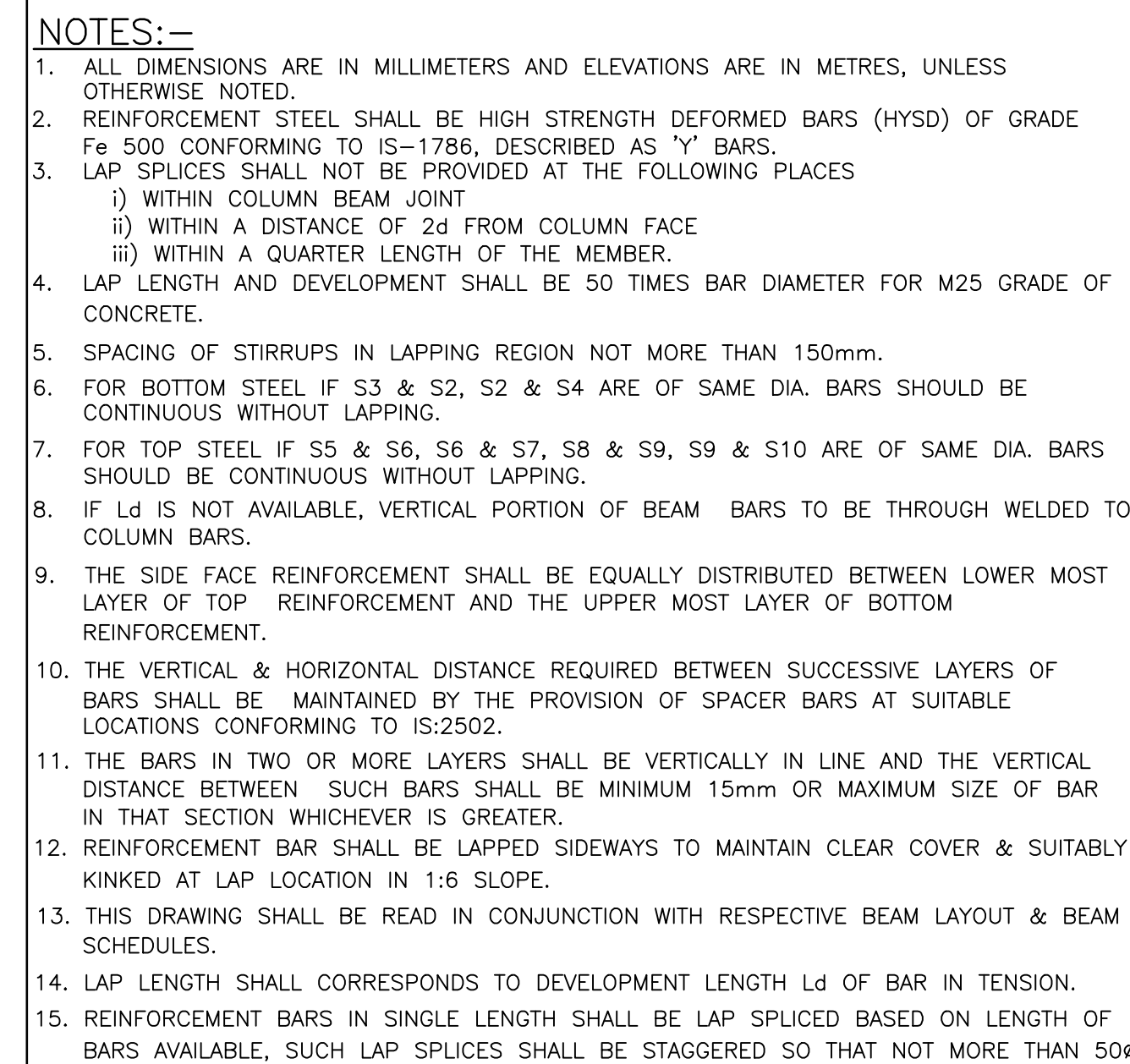
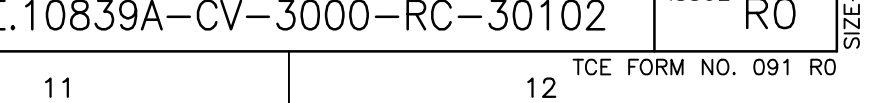
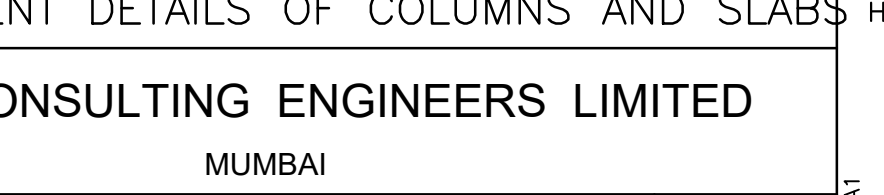
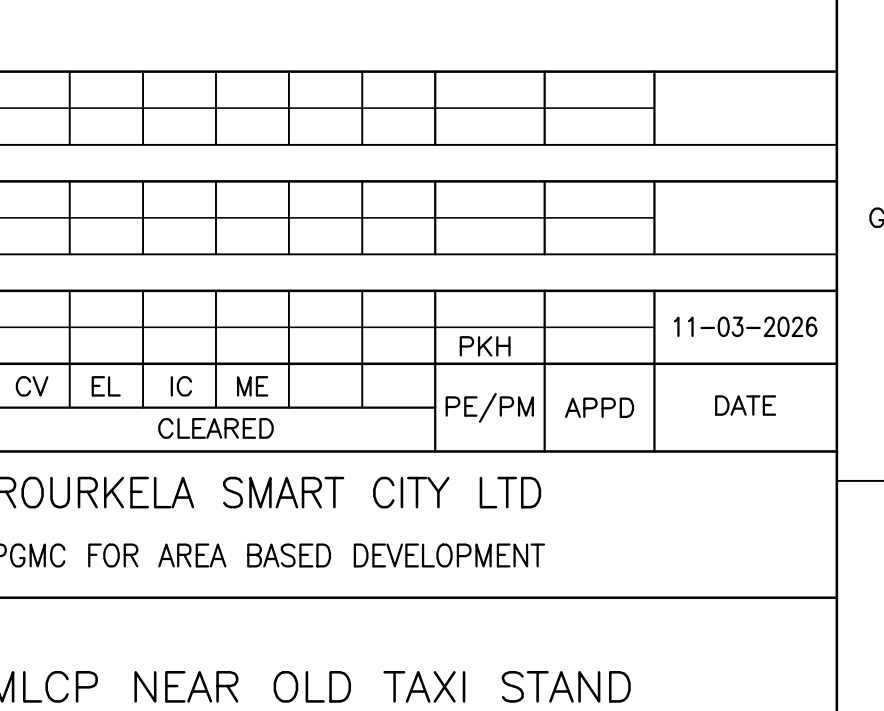
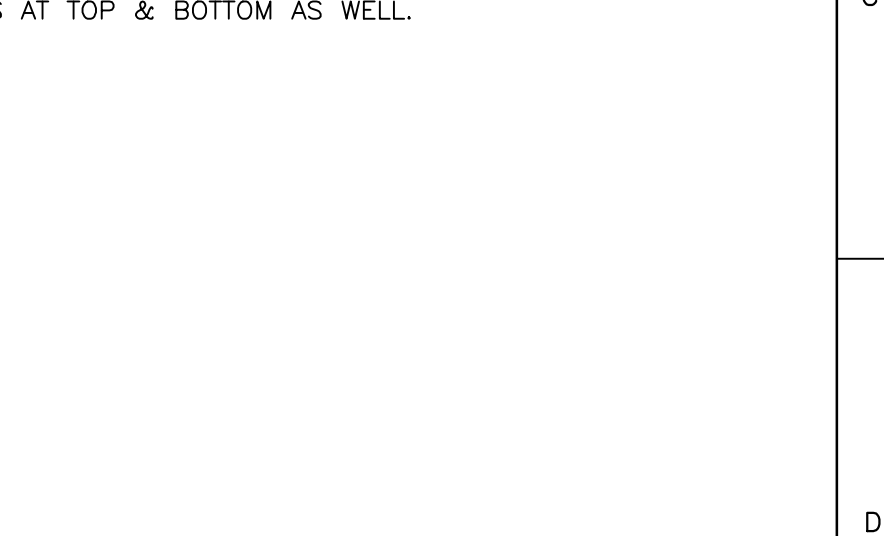
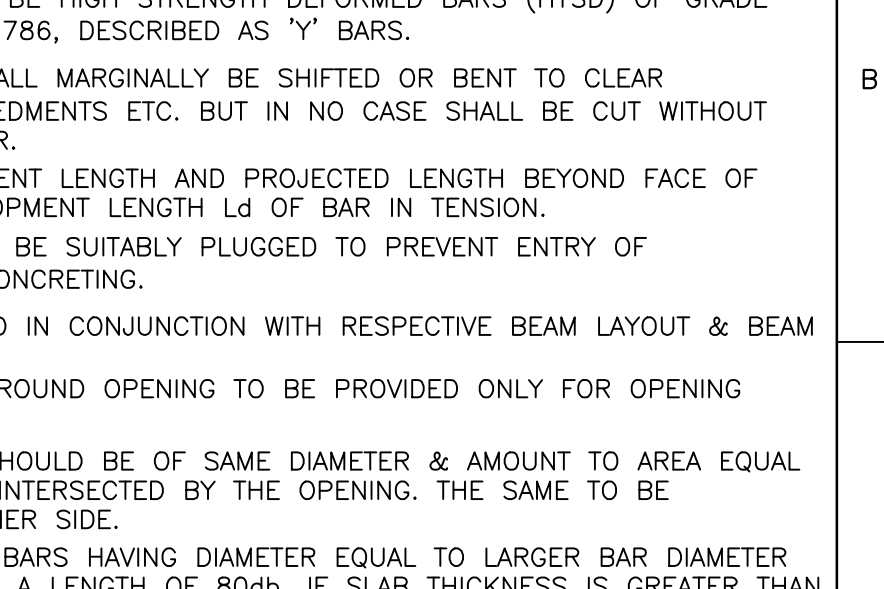
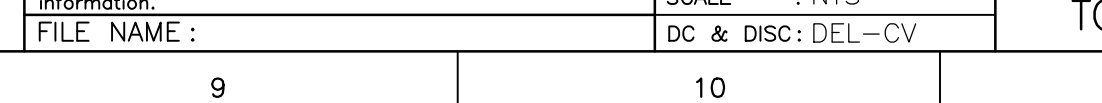
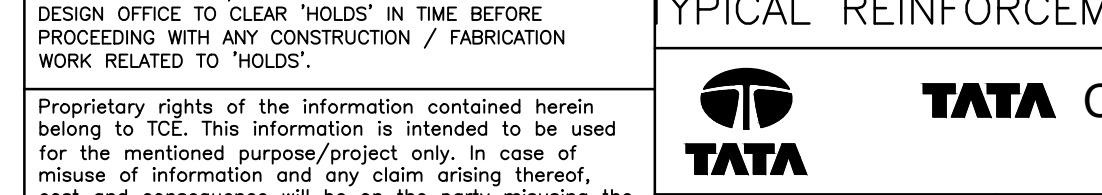
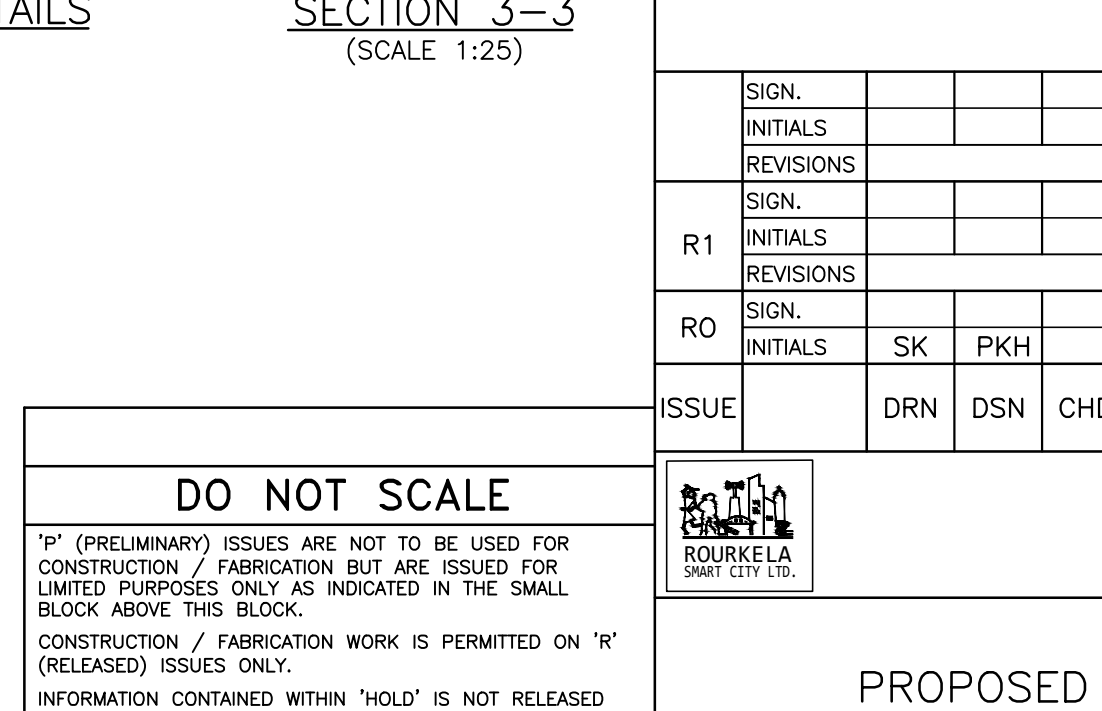
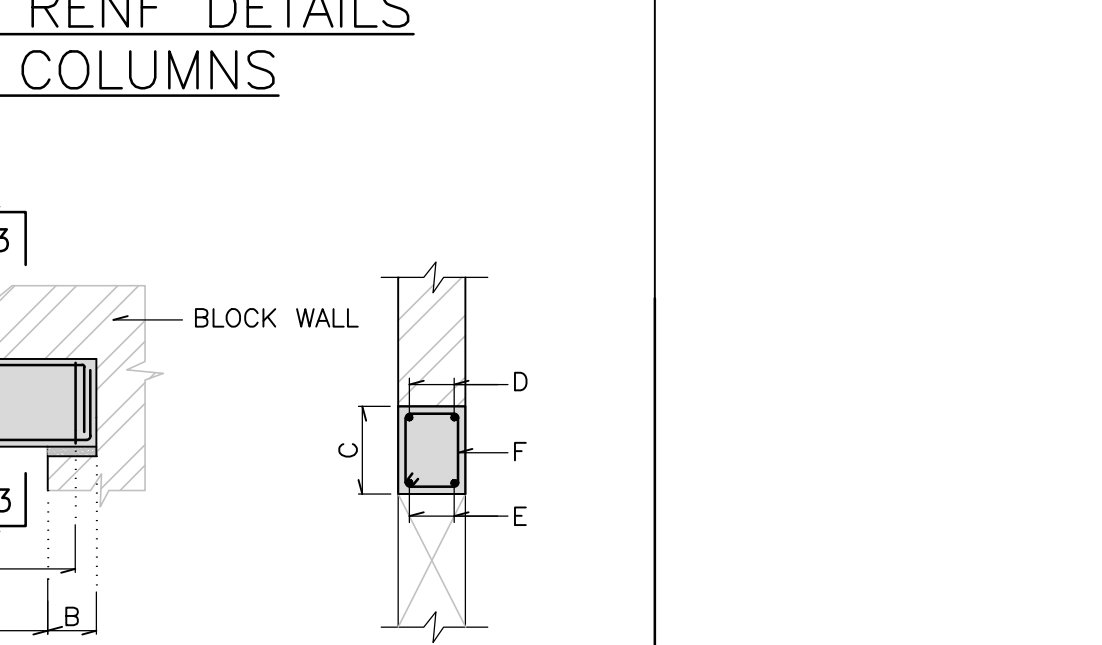
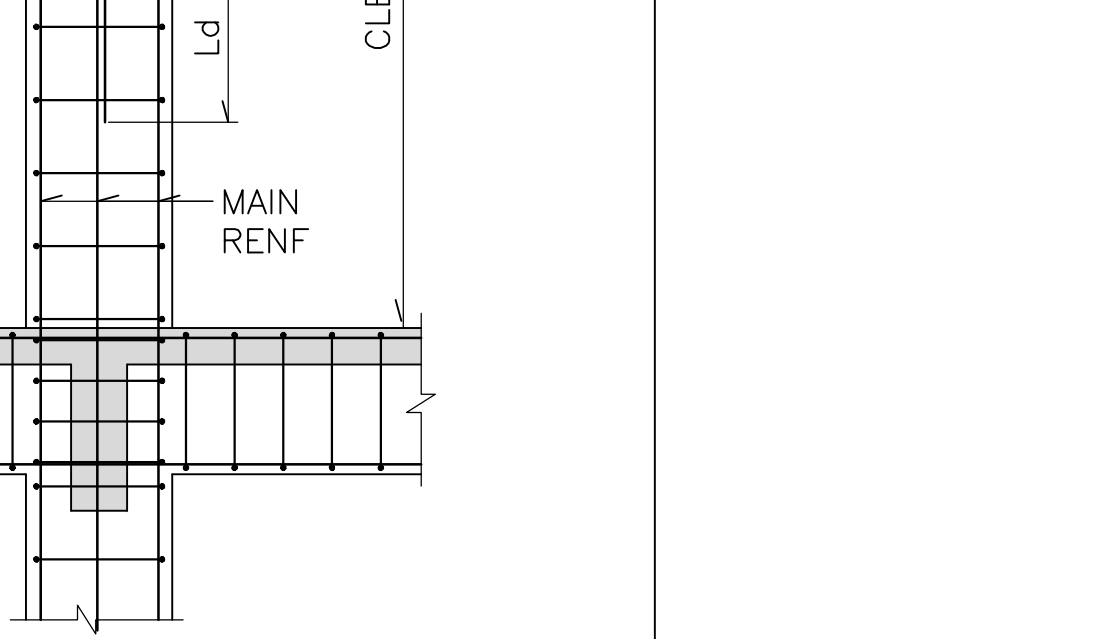
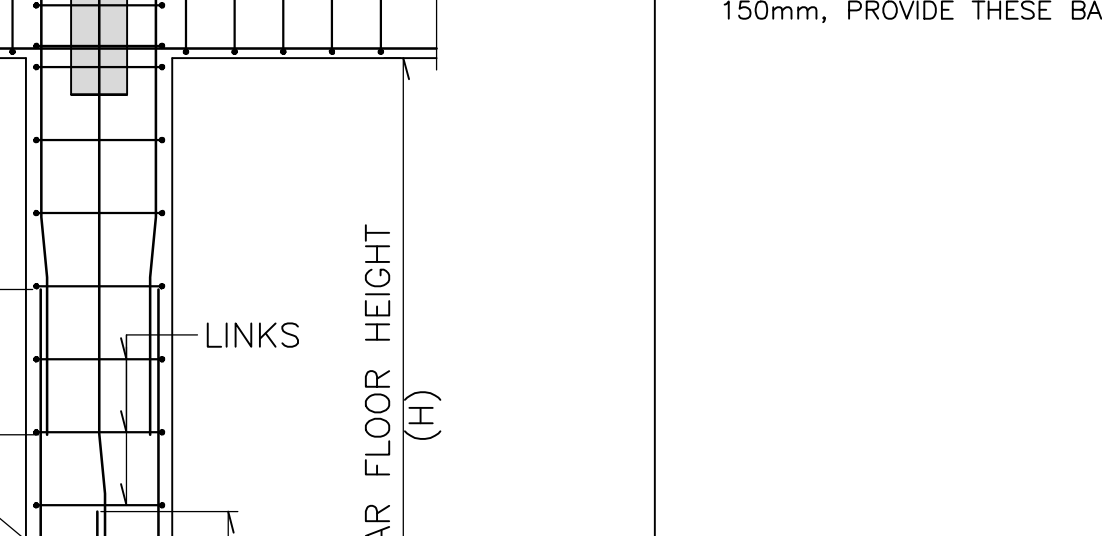
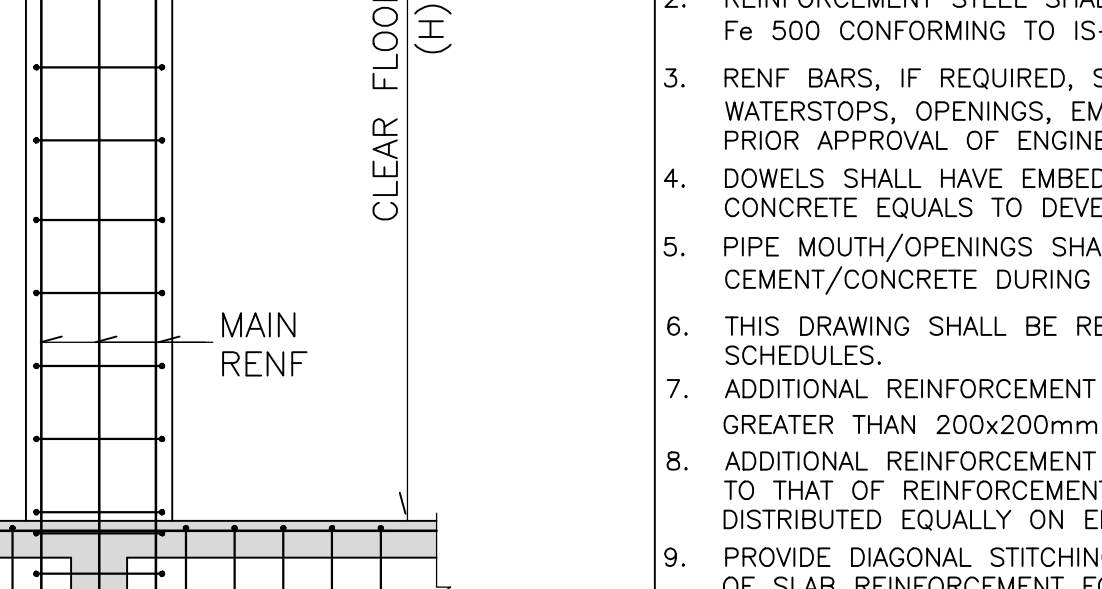
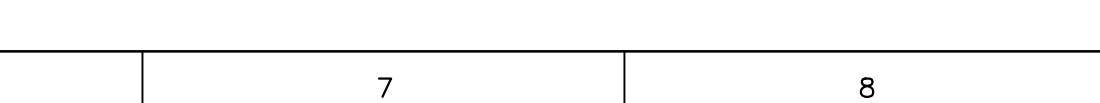
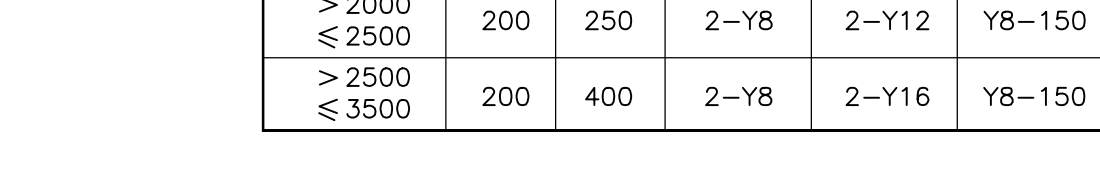
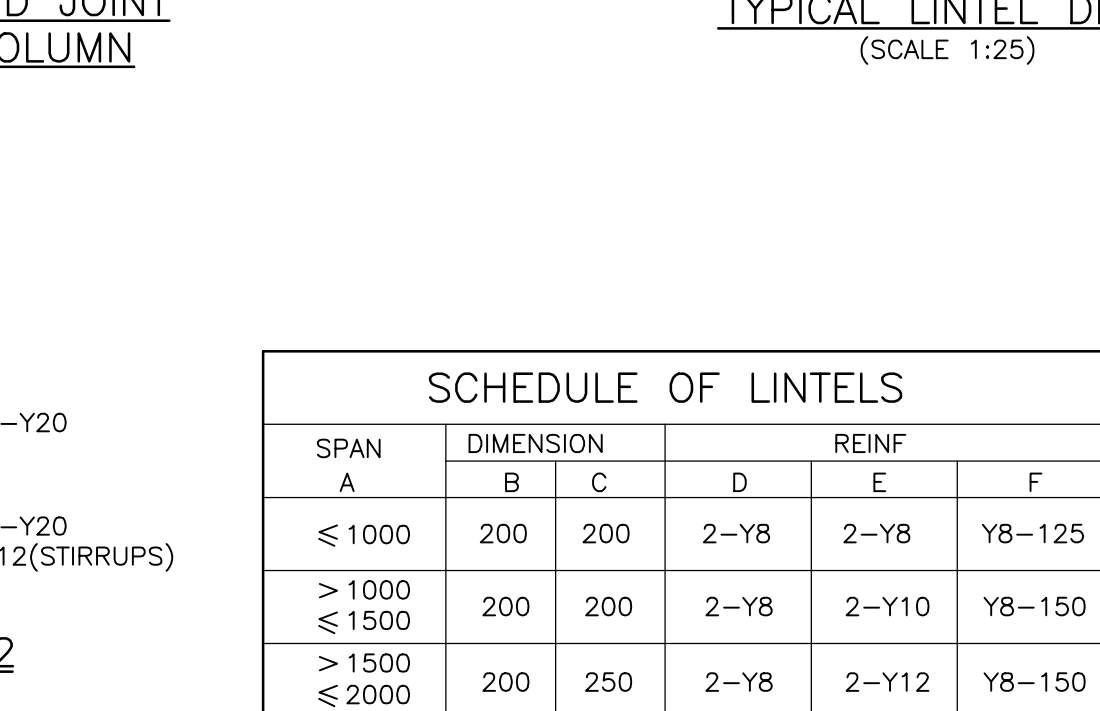
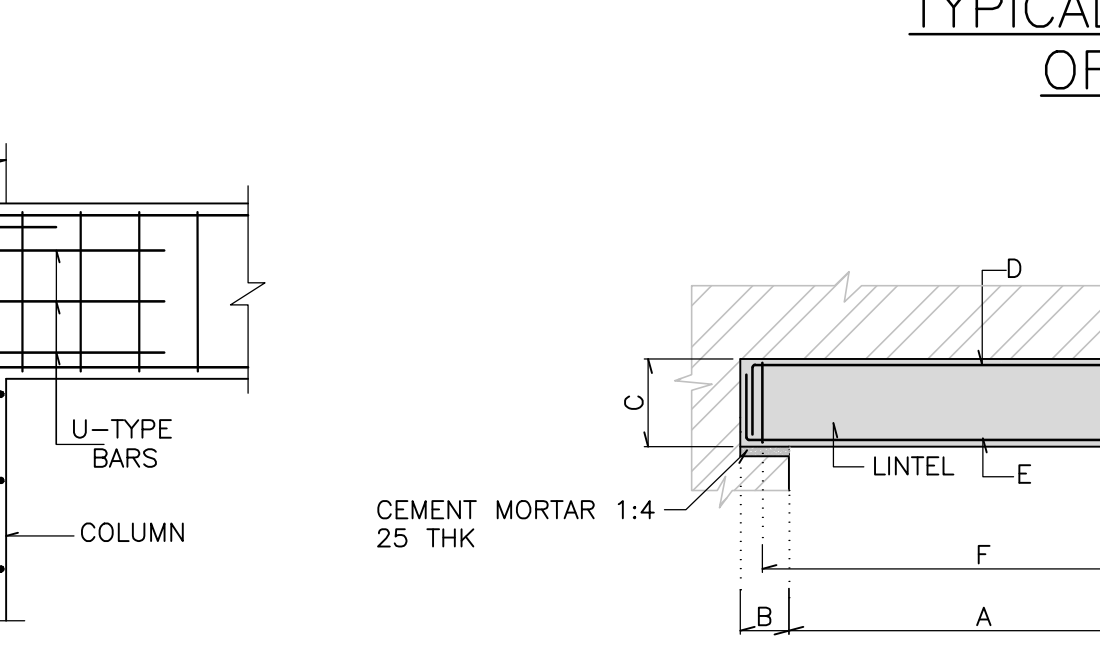
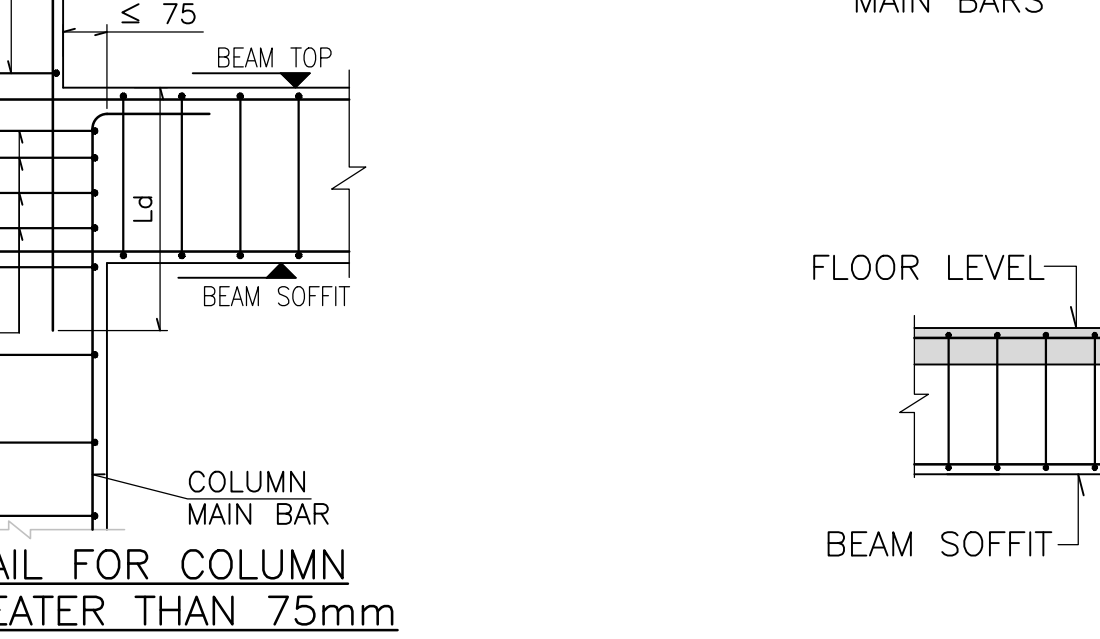
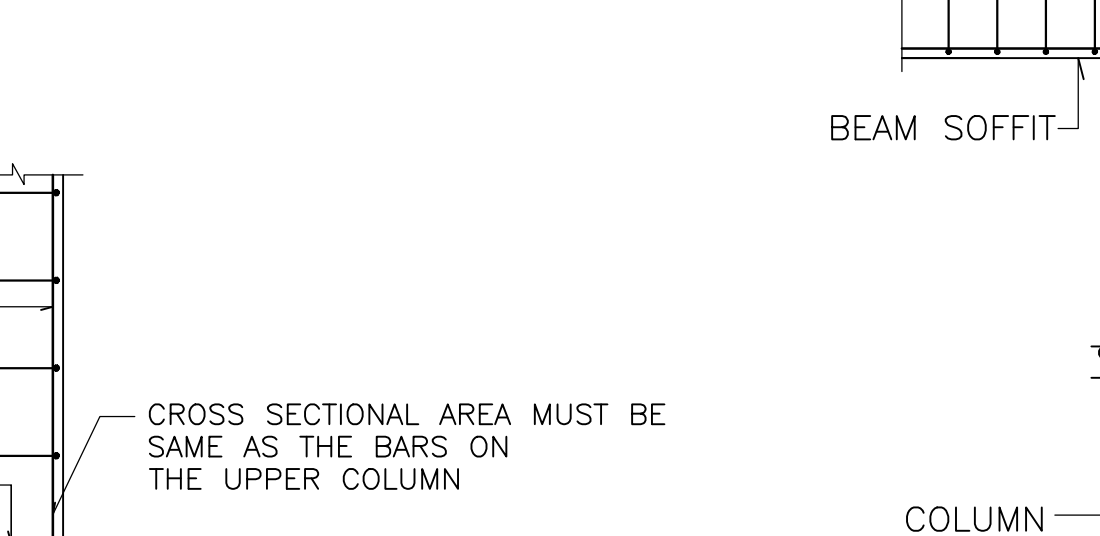
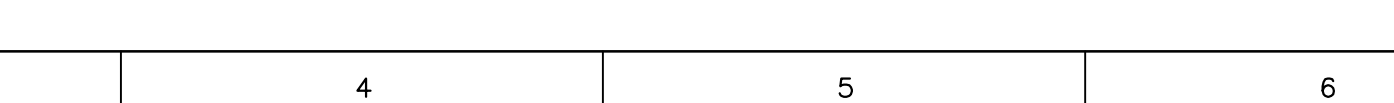
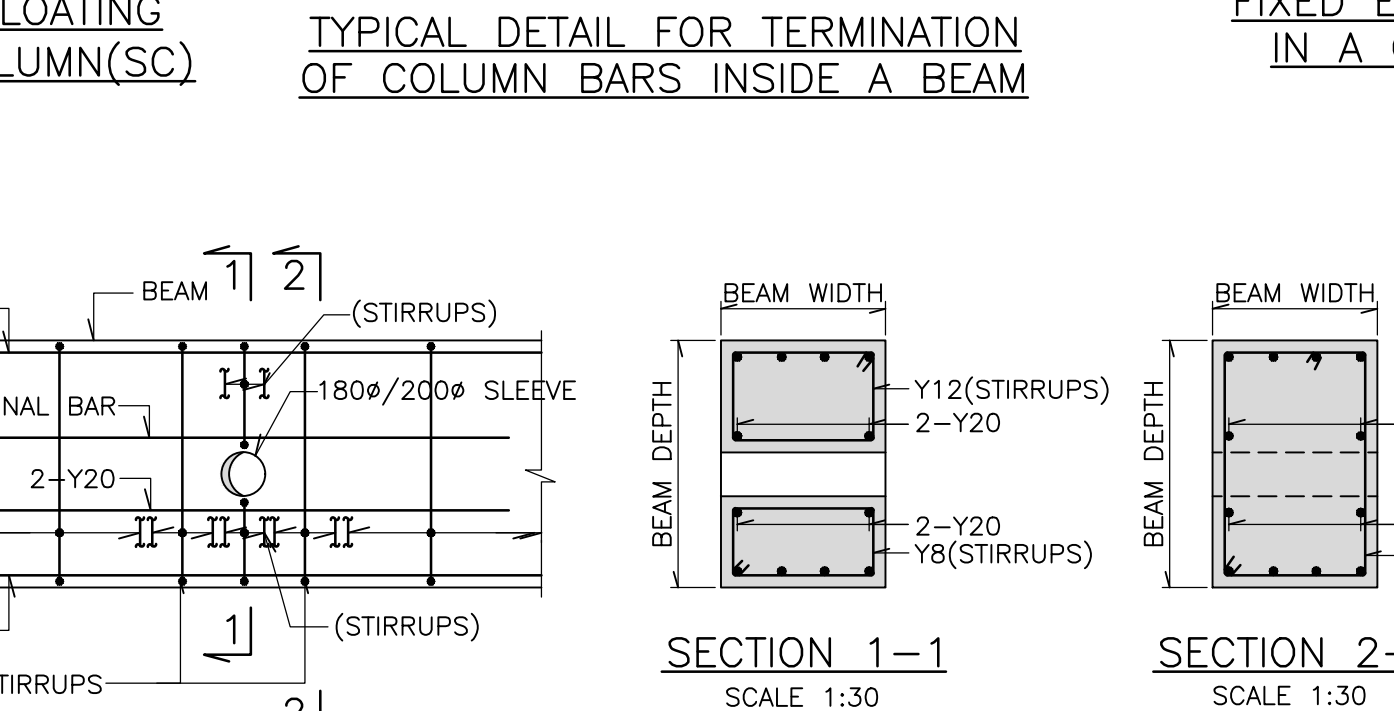
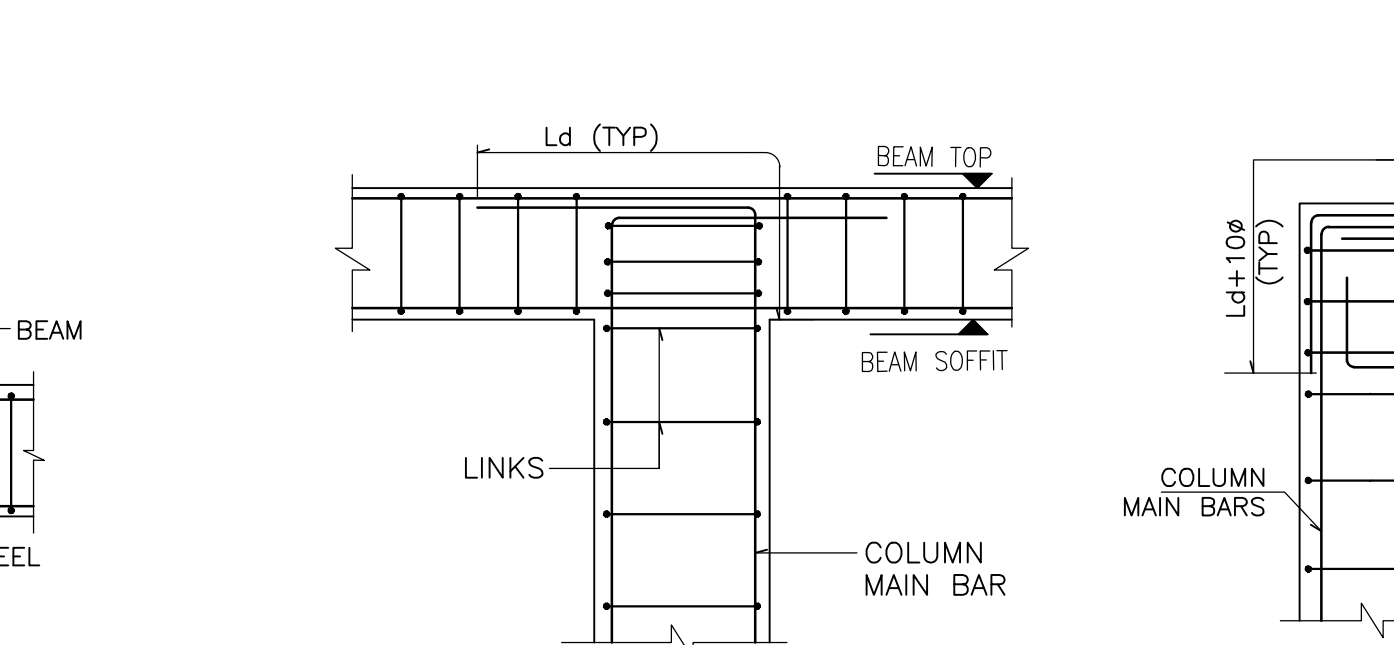
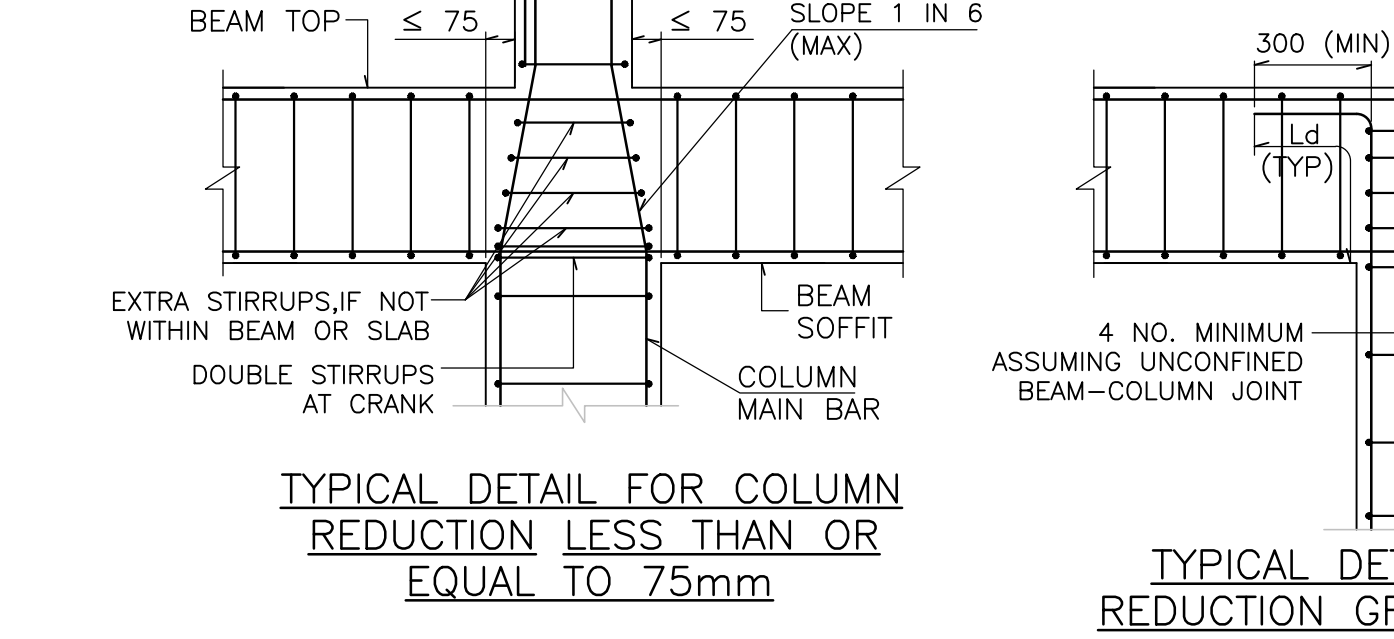
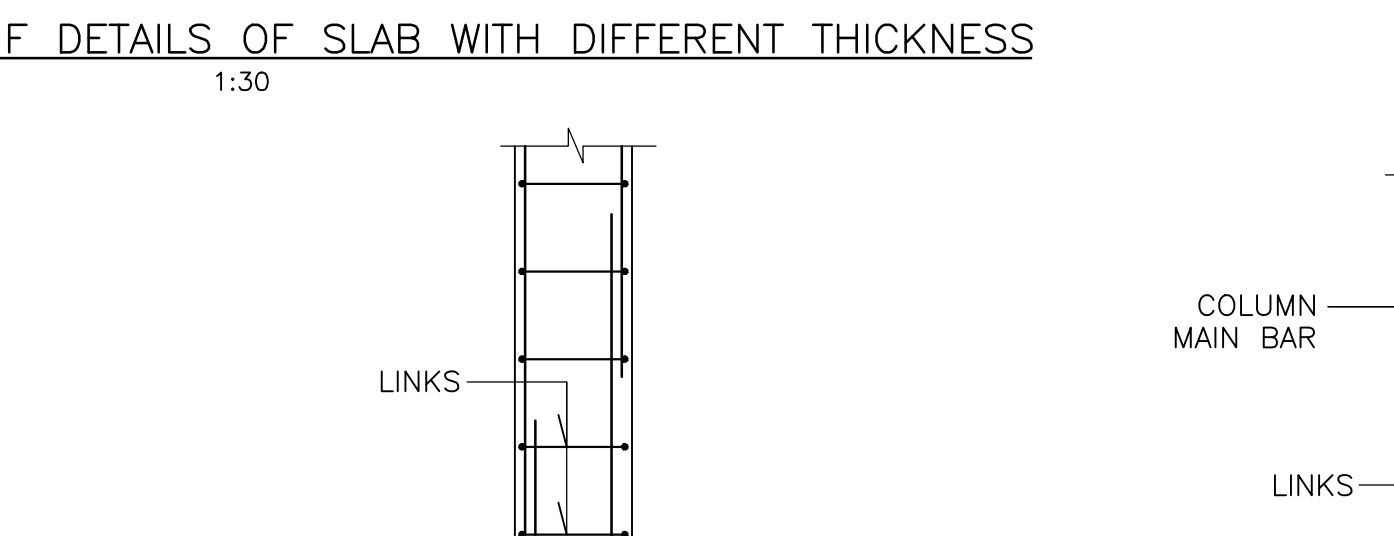
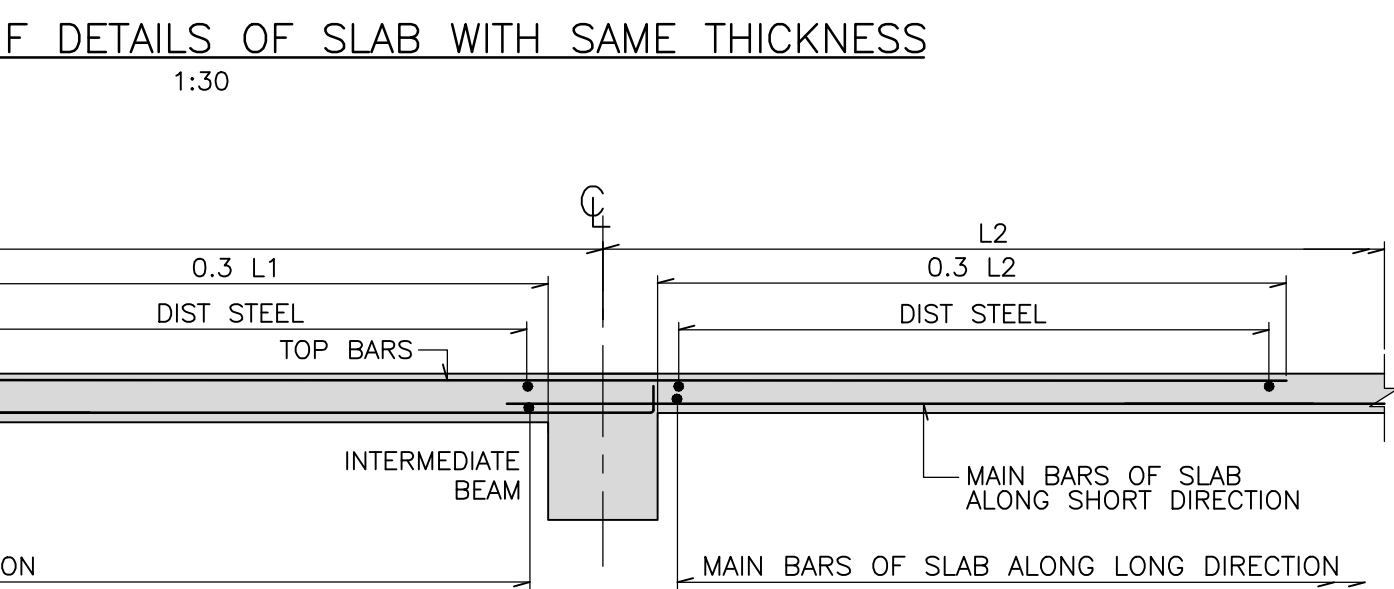
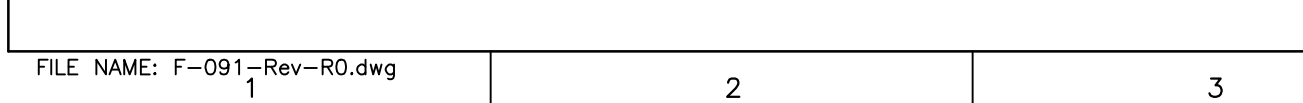
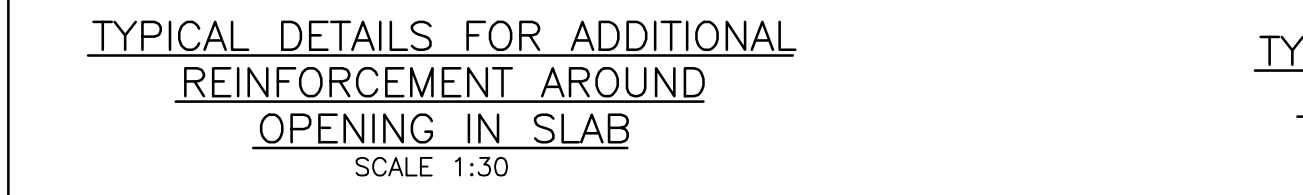
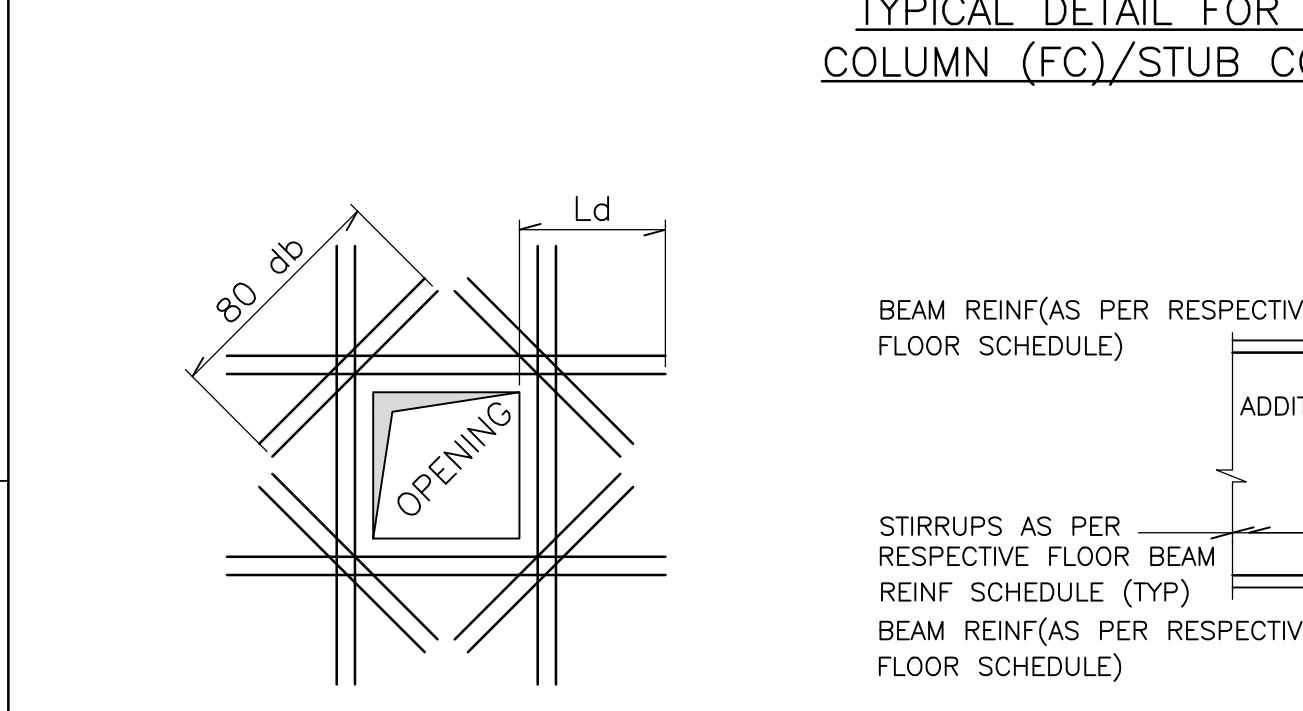
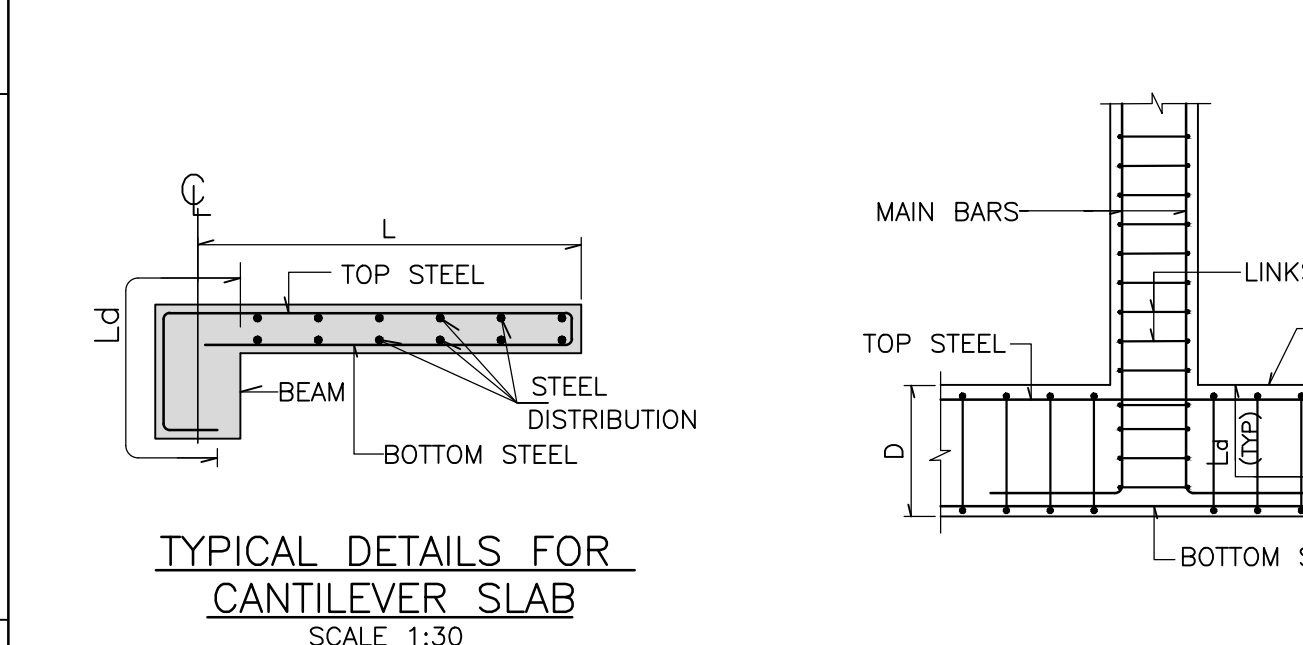
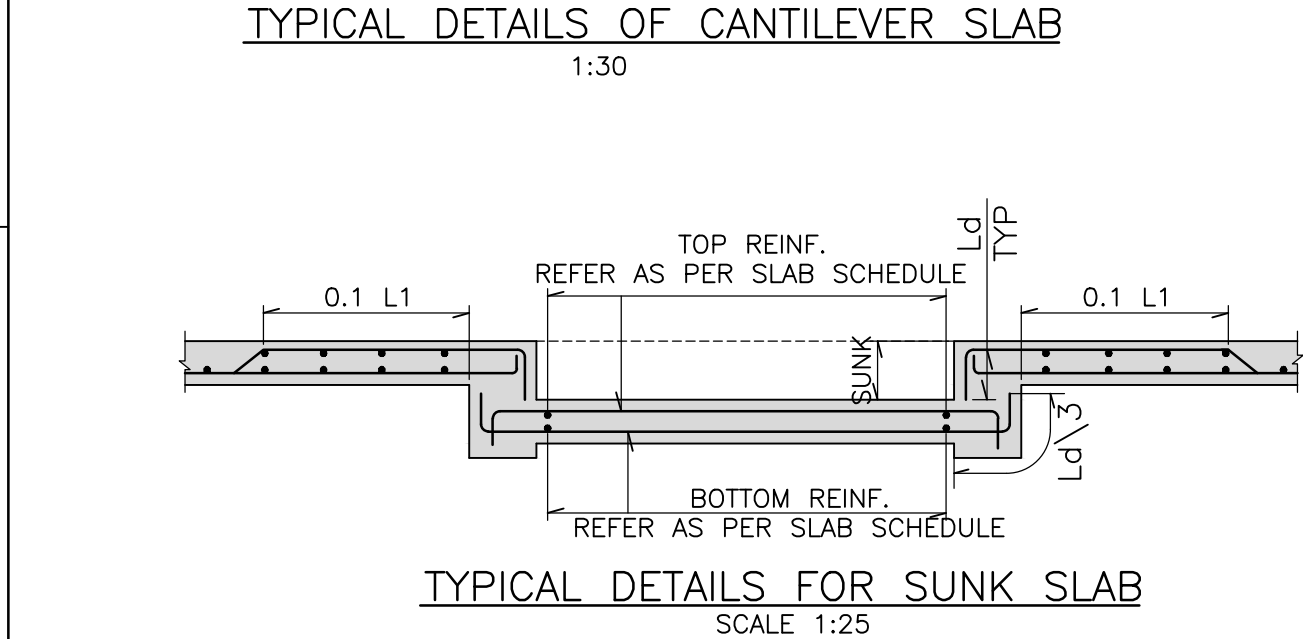
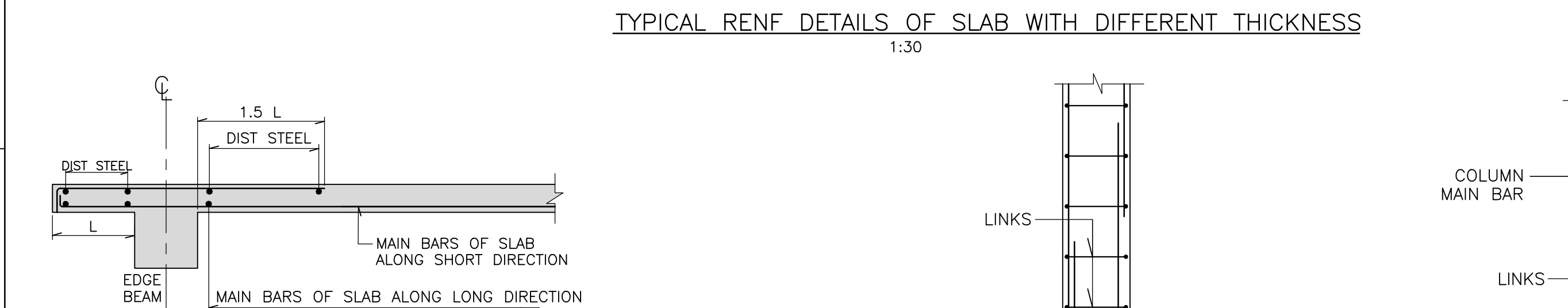
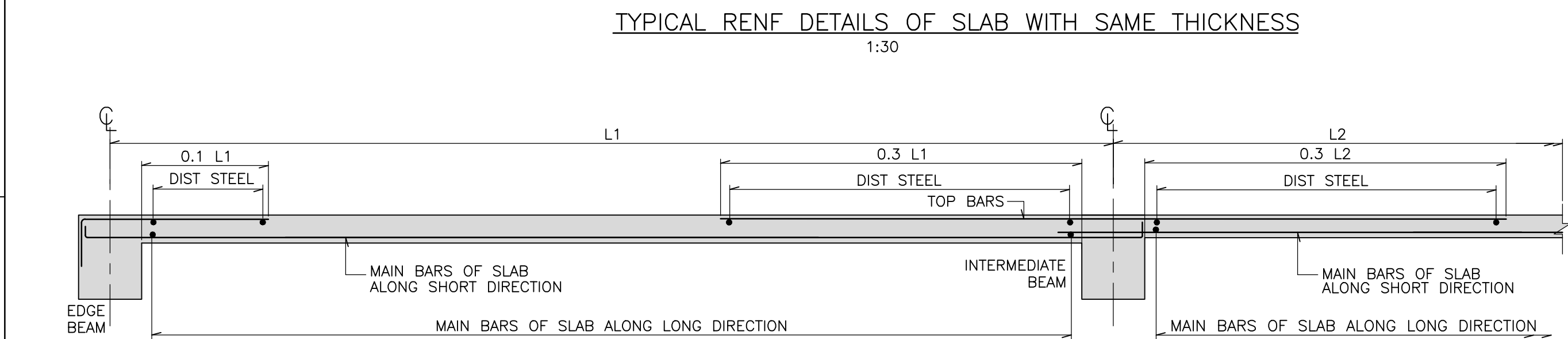
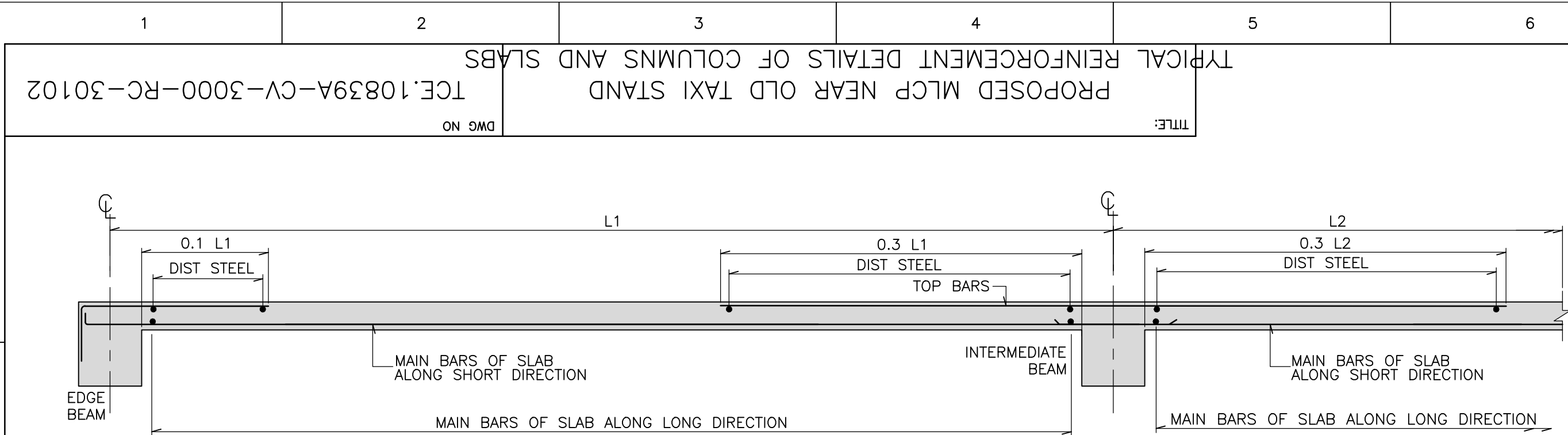


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		ROURKELA SMART CITY LTD PGMC FOR AREA BASED DEVELOPMENT	
PROPOSED MLCP NEAR OLD TAXI STAND TYPICAL REINFORCEMENT DETAILS OF BEAMS			
		TATA CONSULTING ENGINEERS LIMITED MUMBAI	
SCALE : NTS DC & DISC: DFI - CV		DWG NO. TCE.10839A-CV-3000-RC-30101 ISSUE NO. RO	



LEGEND:-
TYP — TYPICAL
THK — THICKNESS
CL — CENTER LINE
MIN. — MINIMUM
D — DEPTH
RENF — REINFORCEMENT
Ld — DEVELOPMENT LENGTH
db — DIAMETER OF BAR

NOTES:-
1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe 500 CONFORMING TO IS-1786, DESCRIBED AS 'Y' BARS.
3. RENF BARS, IF REQUIRED, SHALLMarginally be shifted or bent to clear waterstops, openings, embedments etc. but in no case shall be cut without prior approval of engineer.
4. DOWELS SHALL HAVE EMBEDMENT LENGTH AND PROJECTED LENGTH BEYOND FACE OF CONCRETE EQUALS TO DEVELOPMENT LENGTH Ld OF BAR IN TENSION.
5. PIPE MOUTH/OPENINGS SHALL BE SUITABLY PLUGGED TO PREVENT ENTRY OF CEMENT/CONCRETE DURING CONCRETING.
6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RESPECTIVE BEAM LAYOUT & BEAM SCHEDULES.
7. ADDITIONAL REINFORCEMENT AROUND OPENING TO BE PROVIDED ONLY FOR OPENING GREATER THAN 200x200mm.
8. ADDITIONAL REINFORCEMENT SHOULD BE OF SAME DIAMETER & AMOUNT TO AREA EQUAL TO THAT OF REINFORCEMENT INTERSECTED BY THE OPENING. THE SAME TO BE DISTRIBUTED EQUALLY ON EITHER SIDE.
9. PROVIDE DIAGONAL STITCHING BARS HAVING DIAMETER EQUAL TO LARGER BAR DIAMETER OF SLAB REINFORCEMENT FOR A LENGTH OF 80db, IF SLAB THICKNESS IS GREATER THAN 150mm, PROVIDE THESE BARS AT TOP & BOTTOM AS WELL.

DO NOT SCALE

1" (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES ONLY AS INDICATED IN THE SMALL BLOCK ABOVE THIS BLOCK.
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FILE NAME: DC & DISC: DEL-CV

SCALE : NTS
DC & DISC: DEL-CV

DWG NO: TCE.10839A-CV-3000-RC-30102
ISSUE: RO

DATE: 11-03-2026

PE/PM APPD

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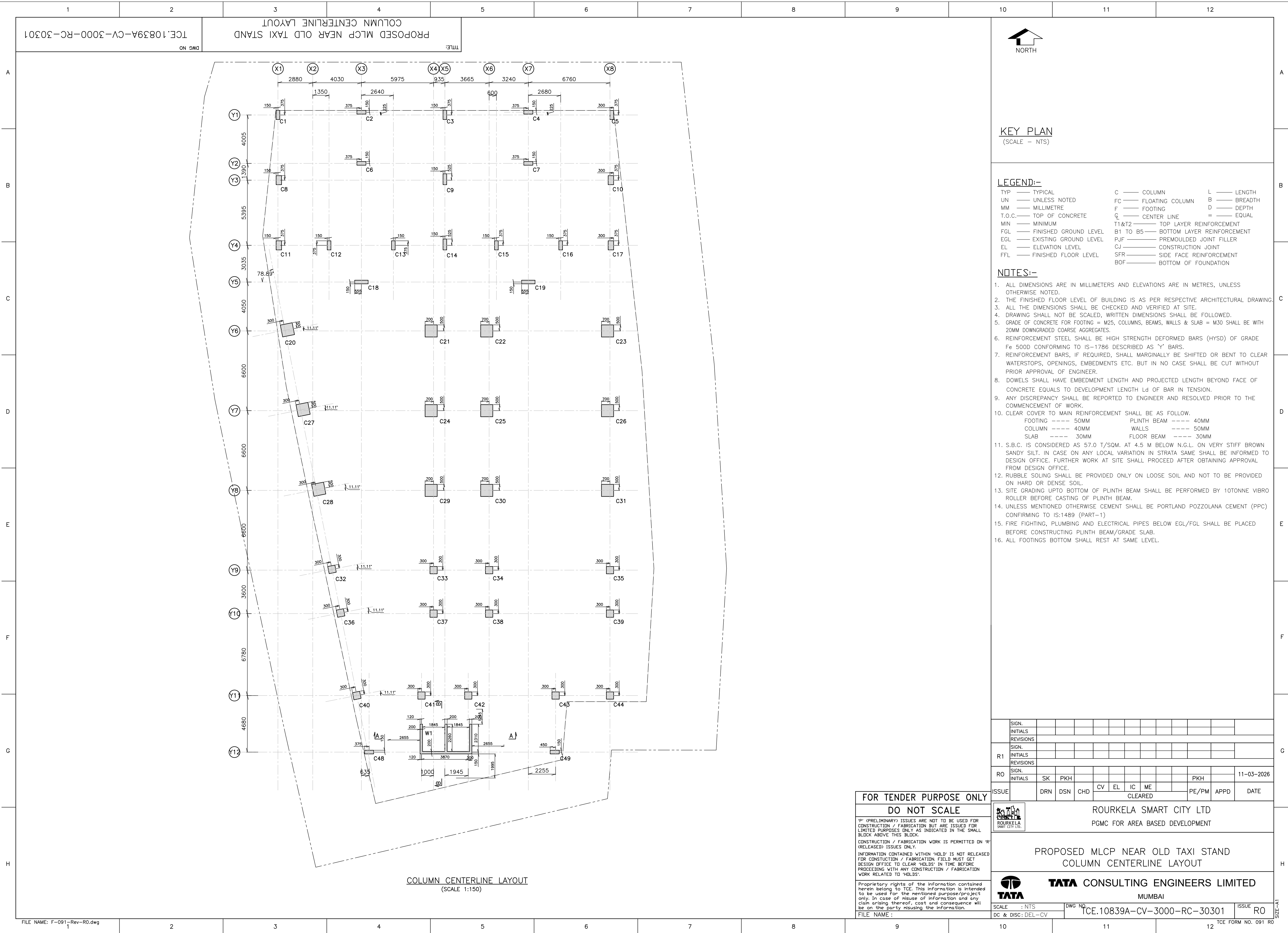
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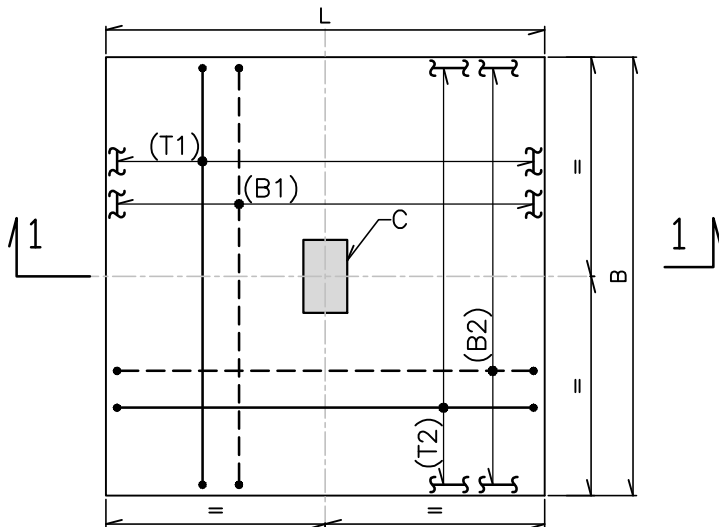
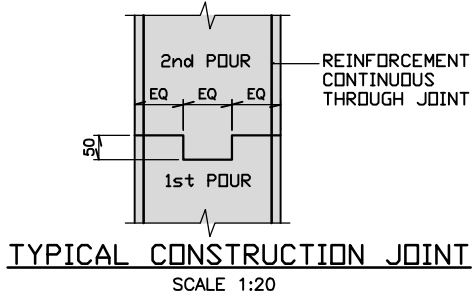
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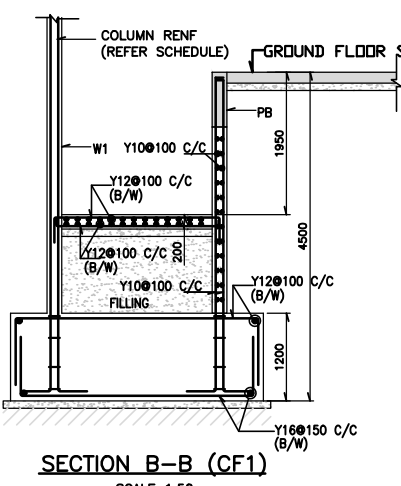
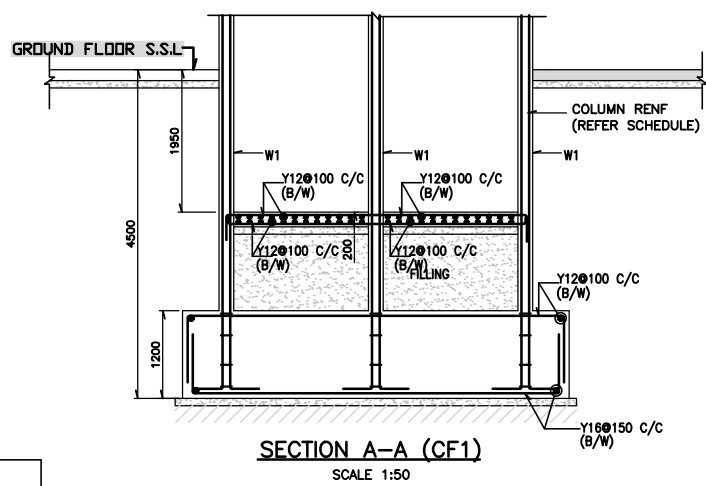
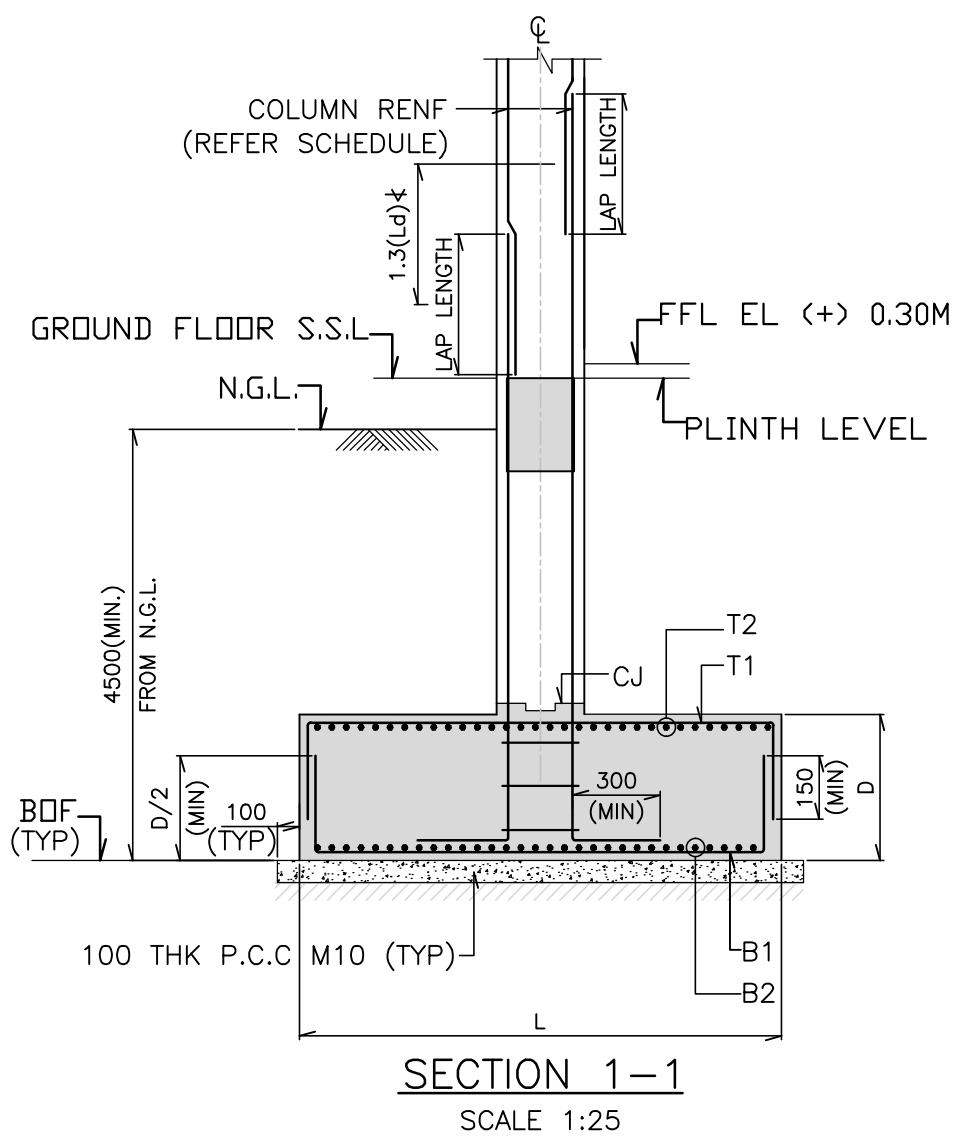
FOUNDATION LAYOUT
(SCALE 1:150)



TYPICAL DETAILS OF
ISOLATED FOOTING PLAN
SCALE 1:25

FOOTING SCHEDULE (M25/Fe500)

FOOTING NUMBERS	COLUMN NUMBERS	FOOTING DIMENSION			FOOTING REINFORCEMENT				REMARKS
		L	B	D	BOTTOM		TOP		
					ALONG B	ALONG L	ALONG B	ALONG L	
F1	C1	1800	1350	450	Y10@125 C/C	Y10@125 C/C	--	--	REFER SECTION 1-1
F2	C2	2050	1600	525	Y12@125 C/C	Y12@125 C/C	--	--	
F3	C3	2000	1550	525	Y12@125 C/C	Y12@125 C/C	--	--	
F4	C4	2050	1600	525	Y12@125 C/C	Y12@125 C/C	--	--	
F5	C5	1650	1200	400	Y10@125 C/C	Y10@125 C/C	--	--	
F6	C6	2050	1600	525	Y12@125 C/C	Y12@125 C/C	--	--	
F7	C7	2000	1550	525	Y12@125 C/C	Y12@125 C/C	--	--	
F8	C8	2000	1700	525	Y10@100 C/C	Y10@100 C/C	--	--	
F9	C9	2300	1700	575	Y12@100 C/C	Y12@100 C/C	--	--	
F10	C10	1850	1550	475	Y10@100 C/C	Y10@100 C/C	--	--	
F11	C11	2100	1800	550	Y12@125 C/C	Y12@125 C/C	--	--	
F12	C12	2050	1600	525	Y12@125 C/C	Y12@125 C/C	--	--	
F13	C13	2050	1600	525	Y12@125 C/C	Y12@125 C/C	--	--	
F14	C14	2500	1900	650	Y12@100 C/C	Y12@100 C/C	--	--	
F15	C15	2000	1550	525	Y12@125 C/C	Y12@125 C/C	--	--	
F16	C16	2050	1600	525	Y12@125 C/C	Y12@125 C/C	--	--	
F17	C17	1850	1550	475	Y10@100 C/C	Y10@100 C/C	--	--	
F18	C18	3050	2200	750	Y16@150 C/C	Y16@150 C/C	--	--	
F19	C19	3500	2650	800	Y12@100 C/C	Y12@100 C/C	--	--	
F20	C20	3200	3200	850	Y16@150 C/C	Y16@150 C/C	--	--	
F21	C21	3200	3200	850	Y16@125 C/C	Y16@125 C/C	--	--	
F22	C22	2850	2850	750	Y16@150 C/C	Y16@150 C/C	--	--	
F23	C23	2750	2750	700	Y16@150 C/C	Y16@150 C/C	--	--	
F24	C24	2900	2900	750	Y16@150 C/C	Y16@150 C/C	--	--	
F25	C25	2750	2750	700	Y16@175 C/C	Y16@175 C/C	--	--	
F26	C26	2600	2600	650	Y12@100 C/C	Y12@100 C/C	--	--	
F27	C27	2950	2950	775	Y16@175 C/C	Y16@175 C/C	--	--	
F28	C28	2900	2900	725	Y12@100 C/C	Y12@100 C/C	--	--	
F29	C29	2700	2700	675	Y12@100 C/C	Y12@100 C/C	--	--	
F30	C30	2650	2650	675	Y12@100 C/C	Y12@100 C/C	--	--	
F31	C31	2500	2500	625	Y12@100 C/C	Y12@100 C/C	--	--	
F32	C32	1700	1700	475	Y10@100 C/C	Y10@100 C/C	--	--	
F33	C33	1750	1750	500	Y10@100 C/C	Y10@100 C/C	--	--	
F34	C34	1950	1950	575	Y12@125 C/C	Y12@125 C/C	--	--	
F35	C35	1800	1800	525	Y12@125 C/C	Y12@125 C/C	--	--	
F36	C36	1700	1700	475	Y10@100 C/C	Y10@100 C/C	--	--	
F37	C37	1750	1750	500	Y10@100 C/C	Y10@100 C/C	--	--	
F38	C38	1950	1950	575	Y12@125 C/C	Y12@125 C/C	--	--	
F39	C39	1800	1800	525	Y12@125 C/C	Y12@125 C/C	--	--	
F40	C40	1750	1750	500	Y10@100 C/C	Y10@100 C/C	--	--	
F41	C41	1800	1800	525	Y12@125 C/C	Y12@125 C/C	--	--	
F42	C42	1900	1900	550	Y12@100 C/C	Y12@100 C/C	--	--	
F43	C43	2000	2000	600	Y12@100 C/C	Y12@100 C/C	--	--	
F44	C44	1450	1450	375	Y10@125 C/C	Y10@125 C/C	--	--	
F48	C48	1500	1050	350	Y10@175 C/C	Y10@175 C/C	--	--	
F49	C49	1600	1150	400	Y10@125 C/C	Y10@125 C/C	--	--	
CF1	W1	9600	5700	1200	Y16@150 C/C	Y16@150 C/C	Y12@100 C/C	Y12@100 C/C	



FOR TENDER PURPOSE ONLY

DO NOT SCALE

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FILE NAME: F-091-Rev-R0.dwg



KEY PLAN
(SCALE - NTS)

LEGEND:-

TYP	TYPICAL	C	COLUMN	L	LENGTH
UN	UNLESS NOTED	FC	FLOATING COLUMN	B	BREADTH
MM	MILLIMETRE	F	FOOTING	D	DEPTH
T.O.C.	TOP OF CONCRETE	Q	CENTER LINE	=	EQUAL
MIN	MINIMUM	T1&T2	TOP LAYER REINFORCEMENT		
FGL	FINISHED GROUND LEVEL	B1 TO B5	BOTTOM LAYER REINFORCEMENT		
EGL	EXISTING GROUND LEVEL	PJF	PREMOULDED JOINT FILLER		
EL	ELEVATION LEVEL	CJ	CONSTRUCTION JOINT		
FFL	FINISHED FLOOR LEVEL	SFR	SIDE FACE REINFORCEMENT		
		BOF	BOTTOM OF FOUNDATION		

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
- THE FINISHED FLOOR LEVEL OF BUILDING IS AS PER RESPECTIVE ARCHITECTURAL DRAWING.
- ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
- DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- GRADE OF CONCRETE FOR FOOTING = M25, COLUMNS, BEAMS, WALLS & SLAB = M30 SHALL BE WITH 20MM DOWNGRADED COARSE AGGREGATES.
- REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe 500D CONFORMING TO IS-1786 DESCRIBED AS 'Y' BARS.
- REINFORCEMENT BARS, IF REQUIRED, SHALL MARGINALLY BE SHIFTED OR BENT TO CLEAR WATERSTOPS, OPENINGS, EMBEDMENTS ETC. BUT IN NO CASE SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
- DOWELS SHALL HAVE EMBEDMENT LENGTH AND PROJECTED LENGTH BEYOND FACE OF CONCRETE EQUALS TO DEVELOPMENT LENGTH Ld OF BAR IN TENSION.
- ANY DISCREPANCY SHALL BE REPORTED TO ENGINEER AND RESOLVED PRIOR TO THE COMMENCEMENT OF WORK.
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOW.
FOOTING ---- 50MM
COLUMN ---- 40MM
SLAB ---- 30MM
PLINTH BEAM ---- 40MM
WALLS ---- 50MM
FLOOR BEAM ---- 30MM
- S.B.C. IS CONSIDERED AS 57.0 T/SQM. AT 4.5 M BELOW N.G.L. ON VERY STIFF BROWN SANDY SILT. IN CASE ON ANY LOCAL VARIATION IN STRATA SAME SHALL BE INFORMED TO DESIGN OFFICE. FURTHER WORK AT SITE SHALL PROCEED AFTER OBTAINING APPROVAL FROM DESIGN OFFICE.
- RUBBLE SOLING SHALL BE PROVIDED ONLY ON LOOSE SOIL AND NOT TO BE PROVIDED ON HARD OR DENSE SOIL.
- SITE GRADING UPTO BOTTOM OF PLINTH BEAM SHALL BE PERFORMED BY 10TONNE VIBRO ROLLER BEFORE CASTING OF PLINTH BEAM.
- UNLESS MENTIONED OTHERWISE CEMENT SHALL BE PORTLAND POZZOLANA CEMENT (PPC) CONFIRMING TO IS:1489 (PART-1)
- FIRE FIGHTING, PLUMBING AND ELECTRICAL PIPES BELOW EGL/FGL SHALL BE PLACED BEFORE CONSTRUCTING PLINTH BEAM/GRADE SLAB.
- ALL FOOTINGS BOTTOM SHALL REST AT SAME LEVEL.

SIGN. INITIALS REVISIONS

R1 SIGN. INITIALS REVISIONS

RO SIGN. INITIALS SK PKH CV EL IC ME PE/PM APPD DATE 11-03-2026

ISSUE DRN DSN CHD CLEARED

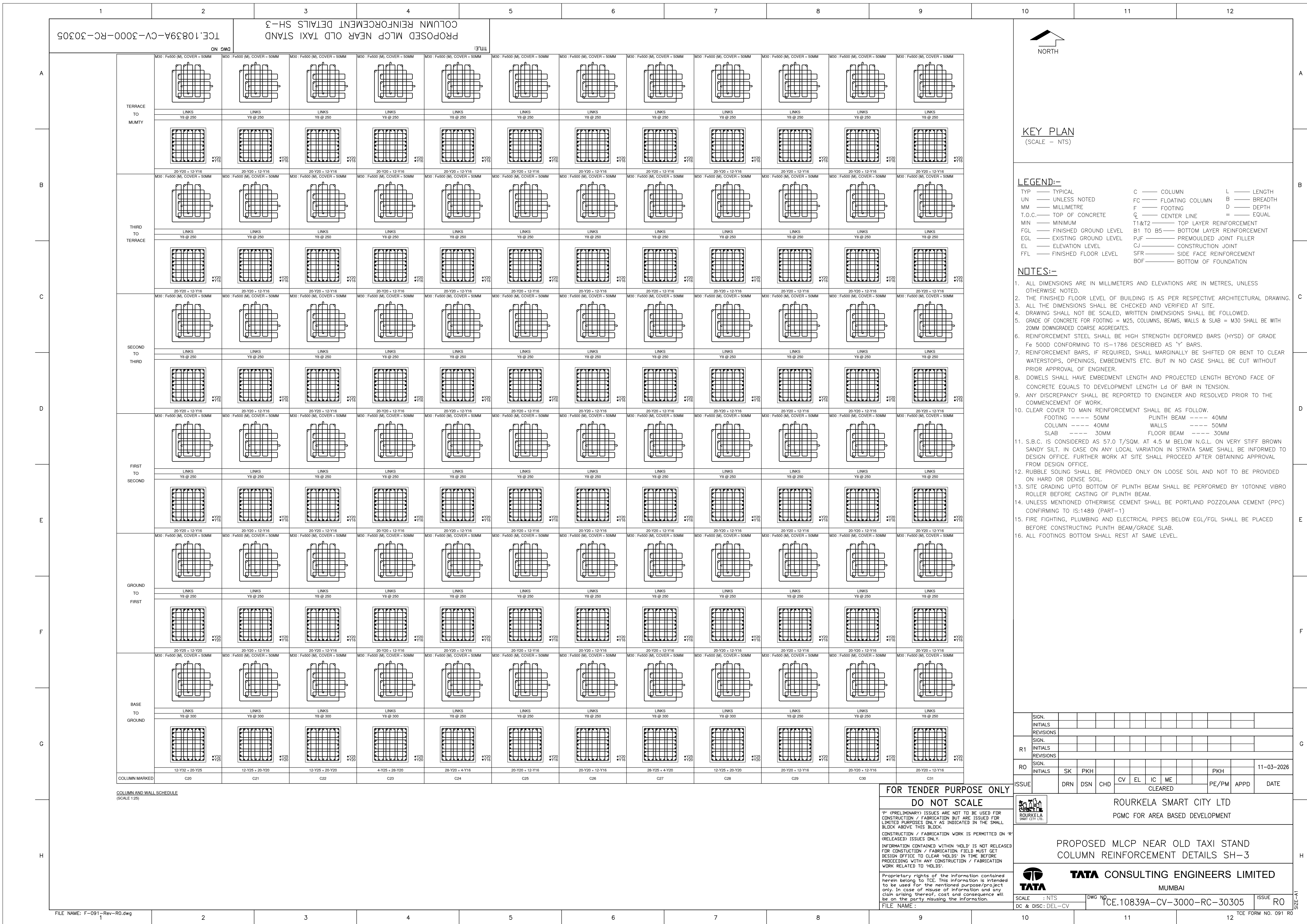
ROUTKELA SMART CITY LTD
PGMC FOR AREA BASED DEVELOPMENT

PROPOSED MLCP NEAR OLD TAXI STAND
FOUNDATION LAYOUT

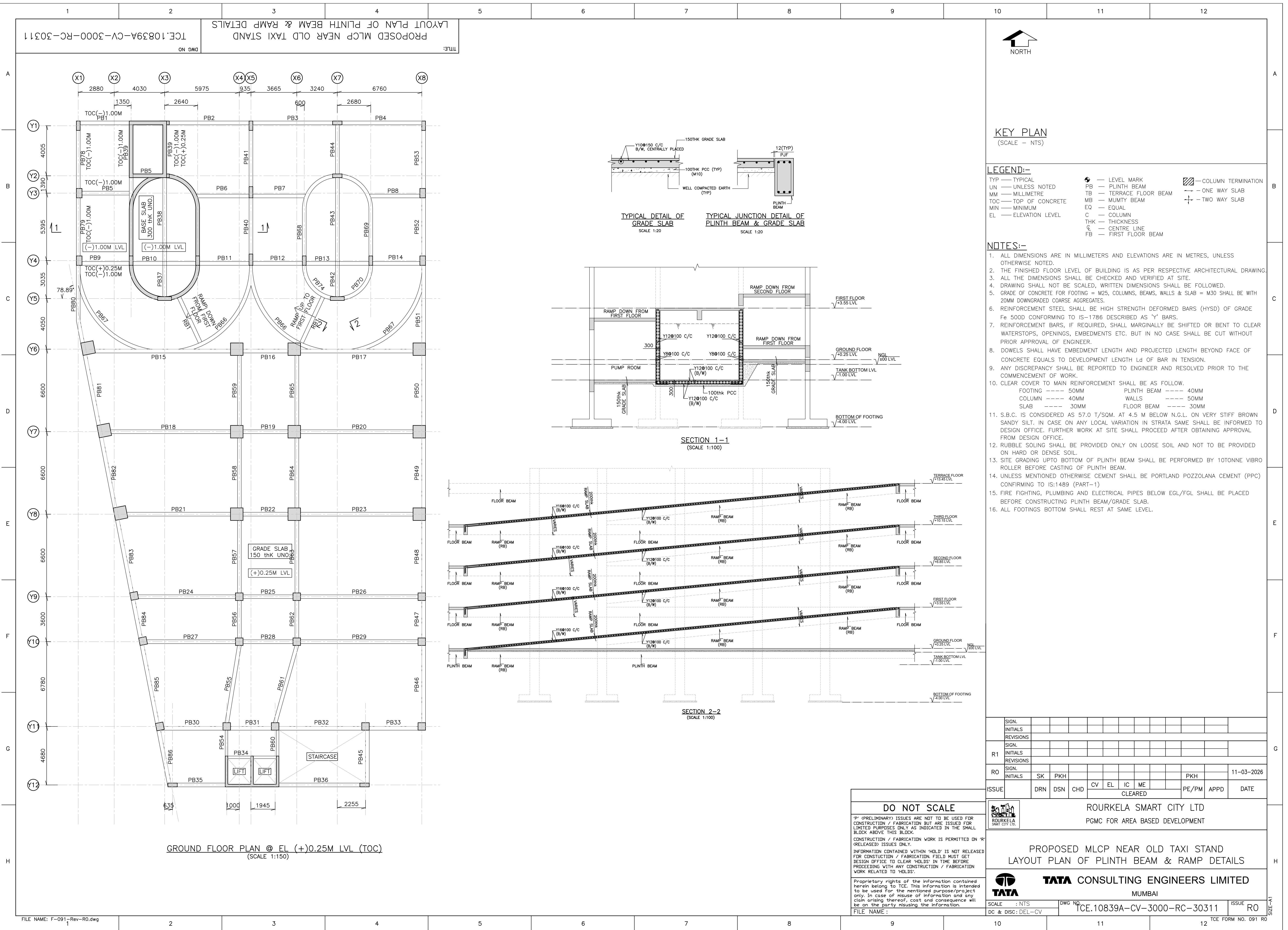
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

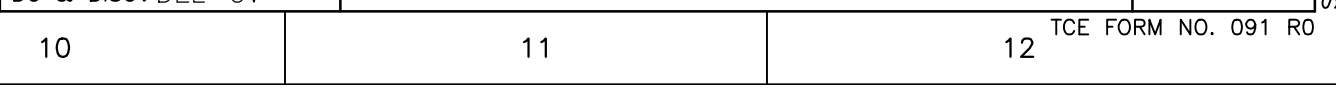
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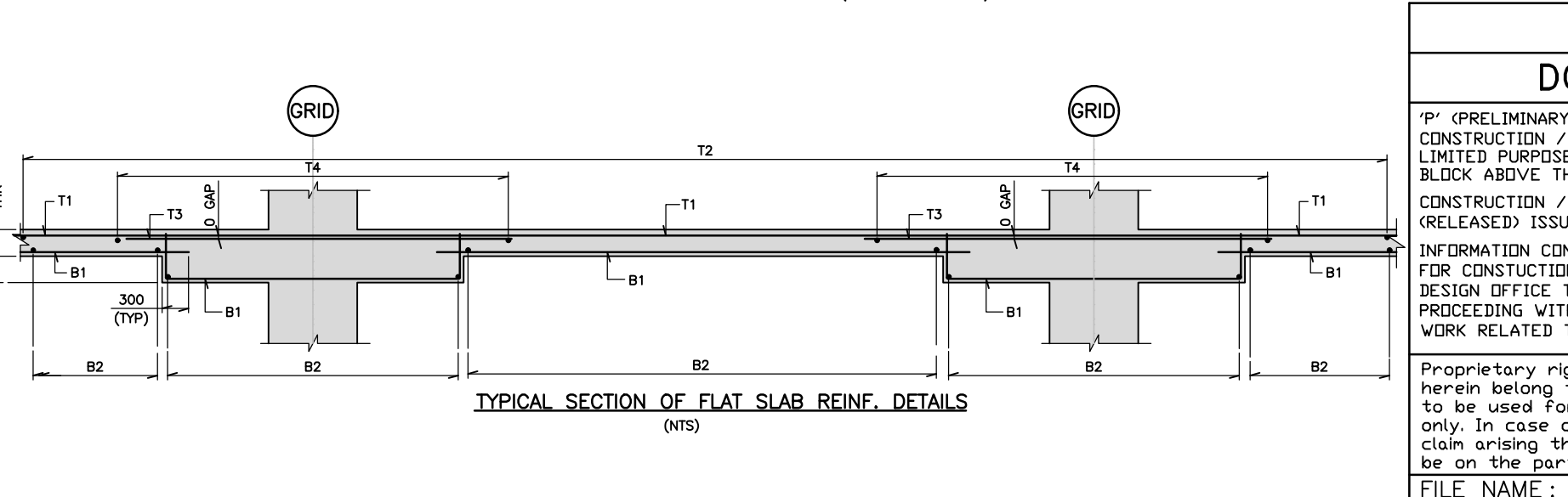


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H

MLCP FIRST FLOOR SLAB SCHEDULE (M30)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT					REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION	
		FULL LENGTH	CURTAINED	FULL LENGTH	CURTAINED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S1	150	Y8@200 C/C	---	Y8@200 C/C	---	---	Y8@200 C/C	---	Y8@200 C/C	Y8@200 C/C	---
S2	150	Y10@175 C/C	---	Y10@200 C/C	---	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---
S3	150	Y10@175 C/C	---	Y10@200 C/C	---	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---
S4, S7, S9	150	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	---
S5	150	Y12@125 C/C	---	Y10@200 C/C	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---
S8	150	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	---	---	Y10@200 C/C	Y10@200 C/C	---
S13	150	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---



KEY PLAN
(SCALE - NTS)

LEGEND:-

TYPE — TYPICAL UN — UNLESS NOTED MM — MILLIMETRE TOC — TOP OF CONCRETE MIN — MINIMUM EL — ELEVATION LEVEL	 — LEVEL MARK PB — PLINTH BEAM TB — TERRACE FLOOR BEAM MB — MUMTY BEAM EQ — EQUAL C — COLUMN THK — THICKNESS CL — CENTRE LINE FB — FIRST FLOOR BEAM	 — COLUMN TERMINATION  — ONE WAY SLAB  — TWO WAY SLAB
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NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METRES, UNLESS OTHERWISE NOTED.
2. THE FINISHED FLOOR LEVEL OF BUILDING IS AS PER RESPECTIVE ARCHITECTURAL DRAWING.
3. ALL THE DIMENSIONS SHALL BE CHECKED AND VERIFIED AT SITE.
4. DRAWING SHALL NOT BE SCALED, WRITTEN DIMENSIONS SHALL BE FOLLOWED.
5. GRADE OF CONCRETE FOR FOOTING = M25, COLUMNS, BEAMS, WALLS & SLAB = M30 SHALL BE WITH 20MM DOWNGRADED COARSE AGGREGATES.
6. REINFORCEMENT STEEL SHALL BE HIGH STRENGTH DEFORMED BARS (HYSD) OF GRADE Fe 500D CONFORMING TO IS-1786 DESCRIBED AS 'Y' BARS.
7. REINFORCEMENT BARS, IF REQUIRED, SHALL marginally BE SHIFTED OR BENT TO CLEAR WATERSTOPS, OPENINGS, EMBEDMENTS ETC. BUT IN NO CASE SHALL BE CUT WITHOUT PRIOR APPROVAL OF ENGINEER.
8. DOWELS SHALL HAVE EMBEDMENT LENGTH AND PROJECTED LENGTH BEYOND FACE OF CONCRETE EQUALS TO DEVELOPMENT LENGTH L_d OF BAR IN TENSION.
9. ANY DISCREPANCY SHALL BE REPORTED TO ENGINEER AND RESOLVED PRIOR TO THE COMMENCEMENT OF WORK.
10. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOW.

FOOTING	----	50MM	PLINTH BEAM	----	40MM
COLUMN	----	40MM	WALLS	----	50MM
SLAB	----	30MM	FLOOR BEAM	----	30MM
11. S.B.C. IS CONSIDERED AS 57.0 T/SQM. AT 4.5 M BELOW N.G.L. ON VERY STIFF BROWN SANDY SILT. IN CASE ON ANY LOCAL VARIATION IN STRATA SAME SHALL BE INFORMED TO DESIGN OFFICE. FURTHER WORK AT SITE SHALL PROCEED AFTER OBTAINING APPROVAL FROM DESIGN OFFICE.
12. RUBBLE SOLING SHALL BE PROVIDED ONLY ON LOOSE SOIL AND NOT TO BE PROVIDED ON HARD OR DENSE SOIL.
13. SITE GRADING UP TO BOTTOM OF PLINTH BEAM SHALL BE PERFORMED BY 10TONNE VIBRO ROLLER BEFORE CASTING OF PLINTH BEAM.
14. UNLESS MENTIONED OTHERWISE CEMENT SHALL BE PORTLAND POZZOLANA CEMENT (PPC) CONFIRMING TO IS:1489 (PART-1)
15. FIRE FIGHTING, PLUMBING AND ELECTRICAL PIPES BELOW EGL/FGL SHALL BE PLACED BEFORE CONSTRUCTING PLINTH BEAM/GRADE SLAB.
16. ALL FOOTINGS BOTTOM SHALL REST AT SAME LEVEL.

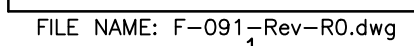
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 ROURKELA SMART CITY LTD
 PGMC FOR AREA BASED DEVELOPMENT

PROPOSED MLCP NEAR OLD TAXI STAND
SLAB REINF. DETAILS OF FIRST FLOOR

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

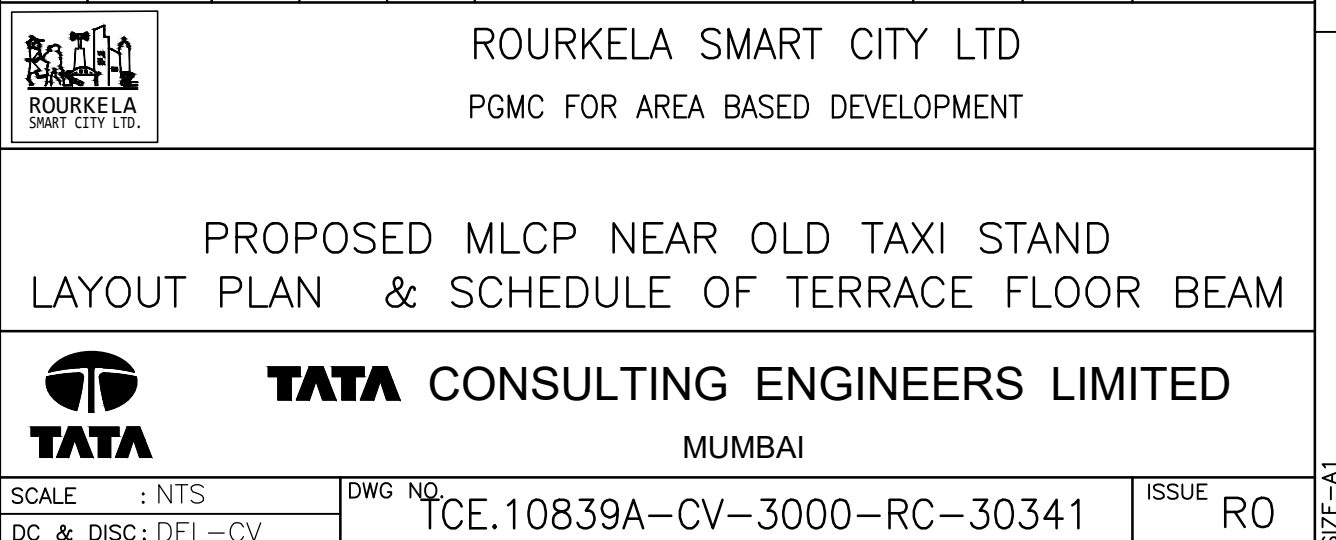
SCALE : NTS	DWG NO.	ISSUE
PC & DISC: DFI-CV	TCE.10839A-CV-3000-RC-30322	R0



TERRACE FLOOR PLAN @ (+)13.45M LVL (TOC)
ALL CONVENTIONAL SLAB ARE 150 THK. UNO
(SCALE 1:150)

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DO NOT SCALE 'P' (PRELIMINARY) ISSUES ARE NOT TO BE USED FOR CONSTRUCTION / FABRICATION BUT ARE ISSUED FOR LIMITED PURPOSES, ONLY AS INDICATED IN THE SMALL BLOCK TO THE RIGHT. CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES ONLY. INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO RELEASE 'HOLD'S' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLD'S'. Proprietary rights of the information contained herein belong to TCE. This information is intended to be used for the mentioned purpose/project only. In case of misuse of information and any claim arising thereof, cost and consequence will be solely missing the information. FILE NAME :
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SCALE : NTS	DWG NO.	ISSUE
PC & DISC: DFI-CV	TCE.10839A-CV-3000-RC-30341	R0

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			TYPE
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
B1	300	600	3-Y12	3-Y12	3-Y12	3-Y16	3-Y16	3-Y16	2L-Y8@200 C/C	2L-Y8@200 C/C	2L-Y8@200 C/C	1
B2	300	600	3-Y12	3-Y12	3-Y12	3-Y16	3-Y16	3-Y16	2L-Y8@200 C/C	2L-Y8@200 C/C	2L-Y8@200 C/C	34
B3	300	600	3-Y16	3-Y16	3-Y16	3-Y16	3-Y16	3-Y16	2L-Y8@200 C/C	2L-Y8@200 C/C	2L-Y8@200 C/C	1
B4	300	600	3-Y16	3-Y16	3-Y16	3-Y16	3-Y16	3-Y16	2L-Y8@200 C/C	2L-Y8@200 C/C	2L-Y8@200 C/C	5
B5	300	600	3-Y16	3-Y16	3-Y16	3-Y20	3-Y20	3-Y20	2L-Y8@200 C/C	2L-Y8@200 C/C	2L-Y8@200 C/C	8

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT				REMARKS	
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT			DISTRIBUTION
		FULL LENGTH	CURTAINED	FULL LENGTH	CURTAINED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT		
S1	150	Y10@100 C/C	---	Y10@100 C/C	---	---	Y10@100 C/C	---	Y10@100 C/C	Y10@200 C/C	---



TYP — TYPICAL
UN — UNLESS NOTED
MM — MILLIMETRE
TOC — TOP OF CONCRETE
MIN — MINIMUM
EL — ELEVATION LEVEL

— LEVEL MARK
 PB — PLINTH BEAM
 TB — TERRACE FLOOR BEAM
 MB — MUMTY BEAM
 EQ — EQUAL
 C — COLUMN
 THK — THICKNESS
 CL — CENTRE LINE
 FB — FIRST FLOOR BEAM

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COLUMN	----	40MM	WALLS	----	50MM
SLAB	----	30MM	FLOOR BEAM	----	30MM
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 ROURKELA SMART CITY LTD.	ROURKELA SMART CITY LTD PGMC FOR AREA BASED DEVELOPMENT
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 **TATA** CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : NTS	DWG NO. TCE.10839A-CV-3000-RC-30351	ISSUE R0
DC & DISC: DEL-CV		

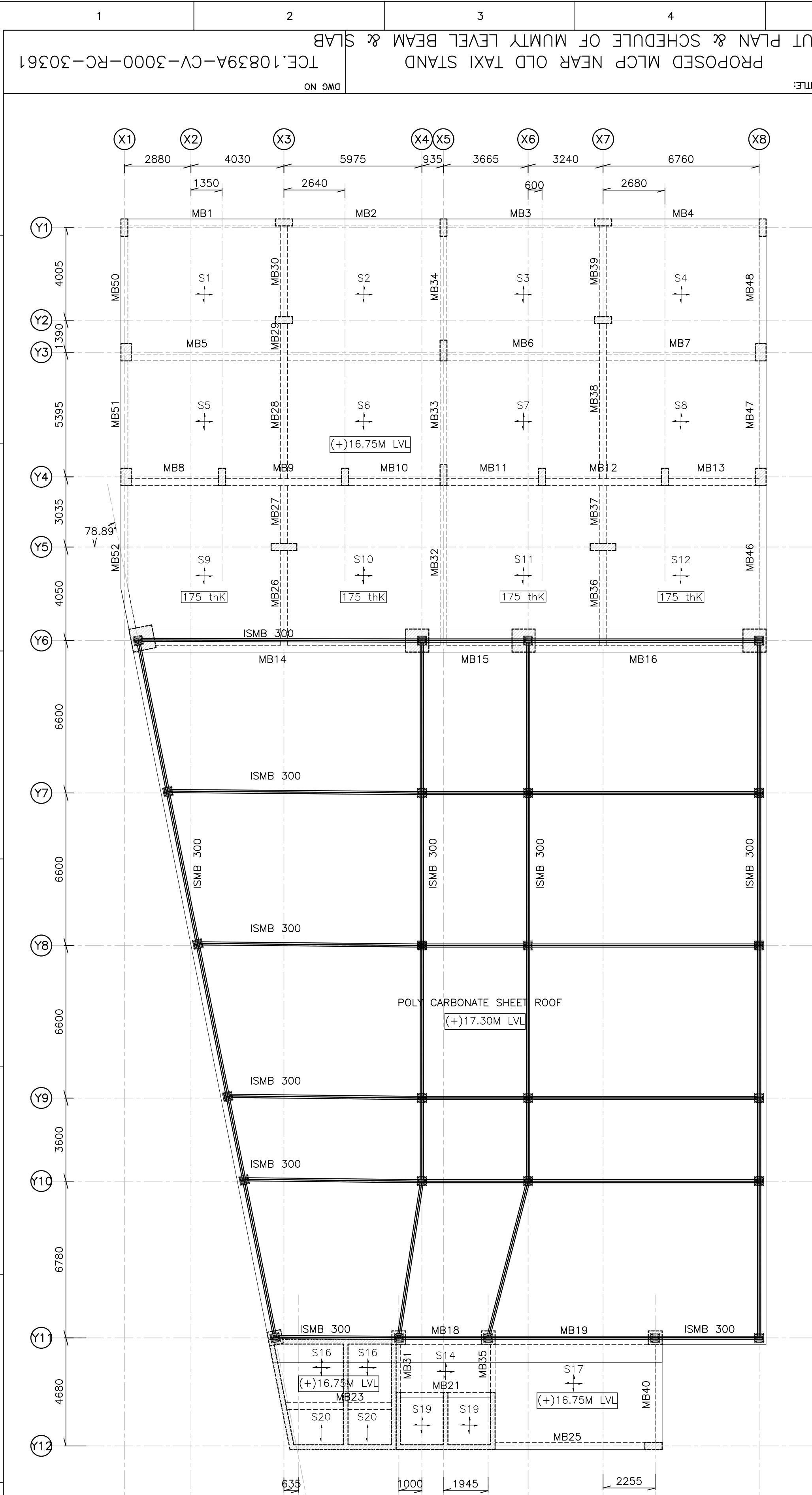
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CONSTRUCTION / FABRICATION WORK IS PERMITTED ON 'R' (RELEASED) ISSUES ONLY.

INFORMATION CONTAINED WITHIN 'HOLD' IS NOT RELEASED FOR CONSTRUCTION / FABRICATION. FIELD MUST GET DESIGN OFFICE TO CLEAR 'HOLDS' IN TIME BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO 'HOLDS'.

Proprietary rights of the information contained herein belong to TCE. This information is intended to be used for the mentioned purpose/project only. In case of misuse of information and any claim arising thereof, cost and consequence will be on the party misusing the information.

FILE NAME :



MLCP MUMTY LVL BEAM SCHEDULE (M30)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			TYPE
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	
MB1,MB2,MB3	300	600	3-Y16	3-Y16 +2-Y12	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@100 C/C	2L-Y10@200 C/C	2L-Y10@100 C/C	2,3,3
MB4	300	600	3-Y16	3-Y16 +2-Y12	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@100 C/C	2L-Y10@175 C/C	2L-Y10@100 C/C	2
MB5	300	450	3-Y16 +2-Y16	3-Y16 +3-Y16	3-Y16 +2-Y16	3-Y25 +3-Y20	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	2
MB6	300	450	3-Y16 +2-Y16	3-Y16 +3-Y16	3-Y16 +2-Y16	3-Y25 +3-Y16	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	21
MB7	300	450	3-Y16 +3-Y16	3-Y16 +3-Y16	3-Y16	3-Y25 +3-Y16	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	21
MB8	300	450	3-Y16	3-Y16	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@200 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	2
MB9,MB12	300	450	3-Y16	3-Y16 +3-Y16	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	3,3
MB10	300	450	3-Y16	3-Y16	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	3
MB11	300	450	3-Y16	3-Y16	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@200 C/C	2L-Y10@150 C/C	3
MB13	300	450	3-Y16	3-Y16	3-Y16	3-Y25	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	2
MB18	300	750	3-Y16	3-Y16	3-Y16	3-Y20	3-Y20	3-Y20	2L-Y10@200 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	2
MB19	300	750	3-Y16	3-Y16	3-Y16	3-Y20	3-Y20	3-Y20	2L-Y10@150 C/C	2L-Y10@200 C/C	2L-Y10@150 C/C	2
MB21	200	450	3-Y10	3-Y10	3-Y10	3-Y16	3-Y16	3-Y16	2L-Y10@200 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	1
MB23	300	600	3-Y16	3-Y16	3-Y16	3-Y20	3-Y20	3-Y20	2L-Y10@200 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	1
MB25	300	600	3-Y16	3-Y16	3-Y16	3-Y20 +2-Y16	3-Y20	3-Y20	2L-Y10@125 C/C	2L-Y10@200 C/C	2L-Y10@125 C/C	34
MB31	200	450	3-Y12 +2-Y12	3-Y12	3-Y12 +2-Y12	3-Y16 +2-Y16	3-Y16	3-Y16	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	34
MB32,MB26,MB36	300	450	3-Y20	3-Y20 +3-Y16	3-Y20	3-Y20 +3-Y20	3-Y20	3-Y20	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	14
MB33,MB27,MB28 MB29,MB37,MB38	300	450	3-Y12	3-Y12 +3-Y12	3-Y12	3-Y20 +3-Y20	3-Y20	3-Y20	2L-Y10@150 C/C	2L-Y10@150 C/C	2L-Y10@150 C/C	3
MB34,MB30,MB39	300	450	3-Y12	3-Y12 +3-Y12	3-Y12	3-Y20	3-Y20	3-Y20	2L-Y10@150 C/C	2L-Y10@200 C/C	2L-Y10@150 C/C	2
MB35	200	450	3-Y16 +2-Y12	3-Y16 +2-Y12	3-Y16 +2-Y12	3-Y16 +2-Y16	3-Y16	3-Y16	2L-Y10@150 C/C	2L-Y10@200 C/C	2L-Y10@150 C/C	34
MB40	300	600	3-Y12	3-Y12	3-Y12	3-Y16	3-Y16	3-Y16	2L-Y10@200 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	1
MB50,MB48	300	600	3-Y16	3-Y16	3-Y16	3-Y20	3-Y20	3-Y20	2L-Y10@175 C/C	2L-Y10@200 C/C	2L-Y10@175 C/C	2
MB51,MB47	300	600	3-Y16	3-Y16	3-Y16	3-Y20	3-Y20	3-Y20	2L-Y10@200 C/C	2L-Y10@200 C/C	2L-Y10@200 C/C	3
MB52,MB46	300	600	3-Y16	3-Y16 +2-Y12	3-Y16	3-Y20 +2-Y16	3-Y20	3-Y20	2L-Y12@125 C/C	2L-Y12@200 C/C	2L-Y12@125 C/C	2
MB14	300	600	3-Y20 +3-Y25	3-Y20 +3-Y25	3-Y20 +3-Y25	3-Y25	3-Y25	3-Y25	2L-Y10@150 C/C	2L-Y10@200 C/C	2L-Y10@150 C/C	2
MB15	300	600	3-Y20	3-Y20	3-Y20	3-Y25 +3-Y25 +3-Y16	3-Y25	3-Y25	2L-Y8@100 C/C	2L-Y8@150 C/C	2L-Y8@100 C/C	3
MB16	300	600	3-Y20	3-Y20 +3-Y20	3-Y20	3-Y25 +3-Y20	3-Y25	3-Y25	6L-Y10@100 C/C	6L-Y10@200 C/C	6L-Y10@100 C/C	3

MLCP MUMTY LVL SLAB SCHEDULE (M30)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT				TOP REINFORCEMENT						REMARKS
		ALONG SHORT SPAN		ALONG LONG SPAN		OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION		
		FULL LENGTH	CURTAILED	FULL LENGTH	CURTAILED	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT			
S1	150	Y10@125 C/C	---	Y10@150 C/C	---	Y10@125 C/C	Y10@200 C/C	Y10@175 C/C	Y10@200 C/C	Y10@200 C/C	---	
S2, S3	150	Y12@125 C/C	---	Y10@100 C/C	---	Y10@125 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	---	
S4	150	Y10@175 C/C	---	Y12@200 C/C	Y12@200 C/C	Y10@125 C/C	Y10@200 C/C	Y10@175 C/C	Y10@200 C/C	Y10@200 C/C	---	
S5, S8	150	Y10@150 C/C	---	Y10@175 C/C	---	Y10@175 C/C	---	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	---	
S6, S7	150	Y10@175 C/C	---	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	---	
S9	175	Y12@200 C/C	Y12@200 C/C	Y12@200 C/C	Y12@200 C/C	Y10@125 C/C	Y8@200 C/C	Y10@125 C/C	Y8@200 C/C	Y8@200 C/C	---	
S10, S11	175	Y10@125 C/C	---	Y10@125 C/C	---	Y10@150 C/C	---	Y10@150 C/C	Y8@200 C/C	Y8@200 C/C	---	
S12	175	Y12@125 C/C	---	Y12@125 C/C	---	Y10@125 C/C	Y8@200 C/C	Y10@125 C/C	Y8@200 C/C	Y8@200 C/C	---	
S14, S16	150	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	---	
S15	150	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	---	---	Y10@200 C/C	Y10@200 C/C	---	
S17	150	Y12@200 C/C	Y12@200 C/C	Y10@200 C/C	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	Y10@200 C/C	---	
S18, S20	150	Y10@200 C/C	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---	
S19	150	Y10@200 C/C	---	Y10@200 C/C	---	---	Y10@200 C/C	---	Y10@200 C/C	Y10@200 C/C	---	