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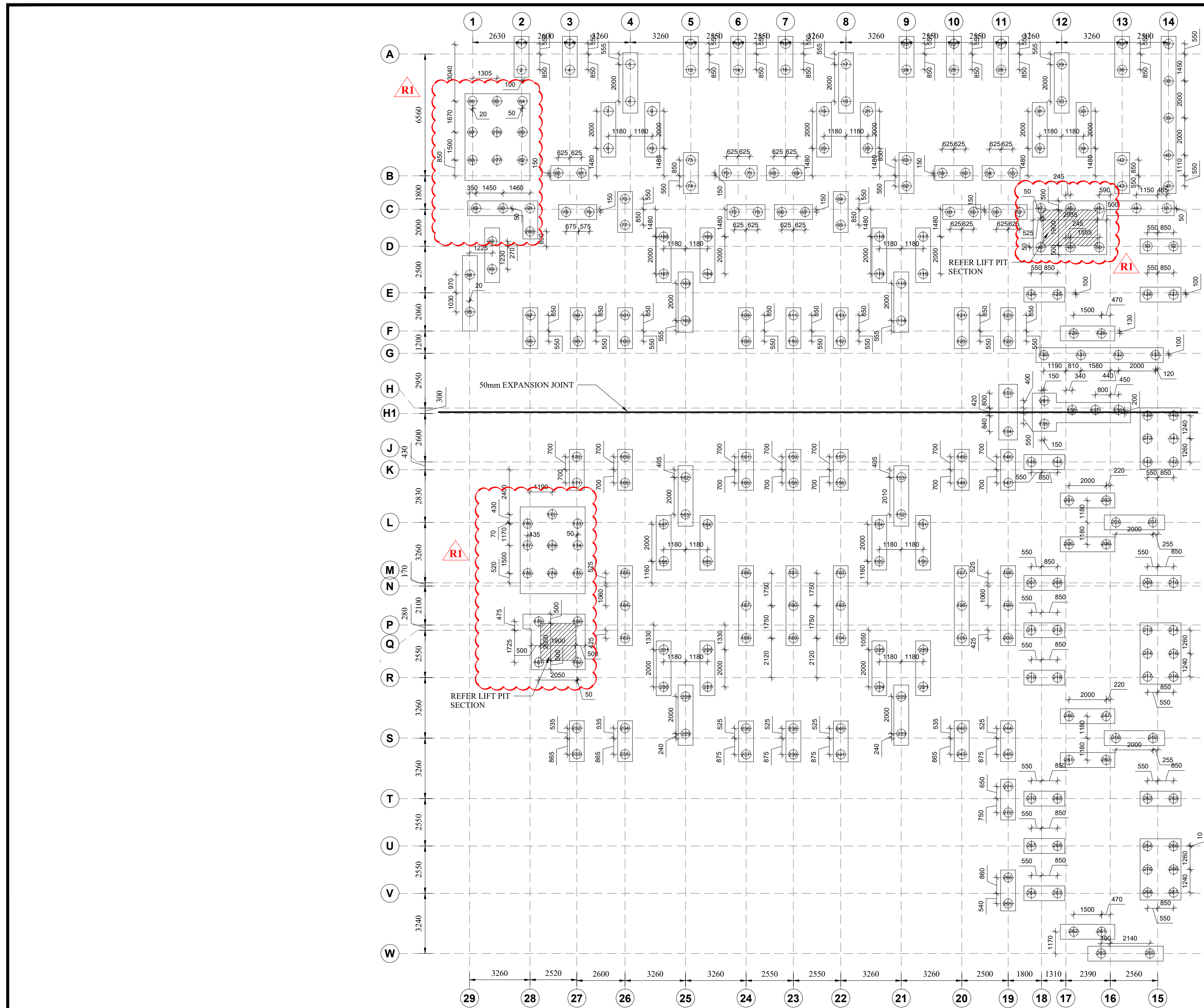
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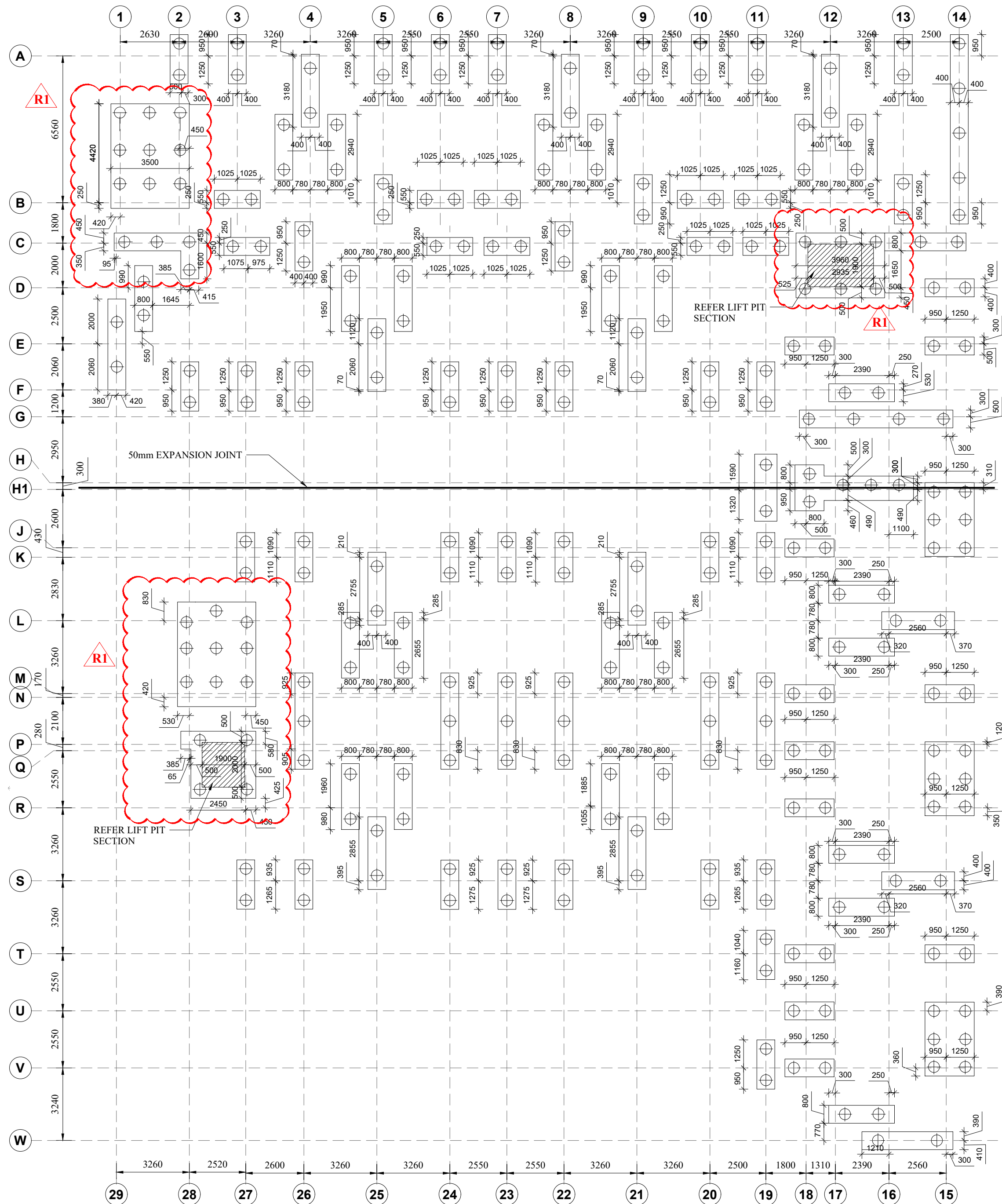
Official Property Record





- NOTES:
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 - GRADE OF STEEL SHALL BE **Fe500D/550D** ,
GRADE OF CONCRETE
FOR SUPER STRUCTURE [BEAM,COLUMN,WALL,SLAB] - M40
FOR SUB-STRUCTURE [PILE,PILE CAP,PLINTH & GRADE BEAM] - M30
 - CLEAR COVER FOR
PILE & PILE CAP :75mm
COLUMN :40mm
BEAM :25mm
SLAB :20mm
 - LAP LENGTH OF BARS : 48Ø [M30],36Ø [M40]
AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES.
IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
(a) TOP ROD NEAR COLUMN, L4 ON EITHER SIDES OF COLUMN
(b) TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
(c) BOTTOM ROD AT MID SPAN OF BEAM
 - REMOVAL OF SHUTTERING / FORM WORK
(a) COLUMN : 24 HOURS
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			CLIENT:		TURNKEY DESIGN AND BUILD CONTRACTOR		COMPREHENSIVE CONSULTANT		STRUCTURAL CONSULTANT		PROJECT:						TITLE:		PAPER SIZE:			
					TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD No. 5 Kamarajar Salai, Chennai - 600005, Tamil Nadu, Tel: 0440 28440 1300		 RAMALINGAM CONSTRUCTION COMPANY PVT.LTD #175/2 South State Bank Nagar, Chattipalayam, Erode - 638002, Tamil Nadu, Tel: 0424 2282389, Email ID: info@ramalingam.in		 METAPHOR #175/2 South State Bank Nagar, Chattipalayam, Erode - 638002, Tamil Nadu, Tel: 0424 2282389, Email ID: info@ramalingam.in		 MERAKI MERAKI STRUCTURE, COIMBATORE, TAMIL NADU 641035		PROPOSED SITE PLAN FOR THE RECONSTRUCTION OF NON HIGH RISE BUILDING OF EWS RESIDENTIAL BUILDING WITH (G+5FLOORS) 150 DWELLING UNITS AT GOYYATHOPPU PH 2 IN S.No. 1329/1, 1335 pt, BLOCK NO : 45 OF EGMORE VILLAGE, GREATER CHENNAI CORPORATION.						PILE LAYOUT		A3	
R1			CLOUDED PORTION REVISED		31-01-2024												DRAWN DATE:		01-11-2023			
R0			ISSUED FOR APPROVAL		15-12-2023												PROJECT NO:		MS23035_GT_2			
REV.			DESCRIPTION		DATE												SHEET NO:		P001			

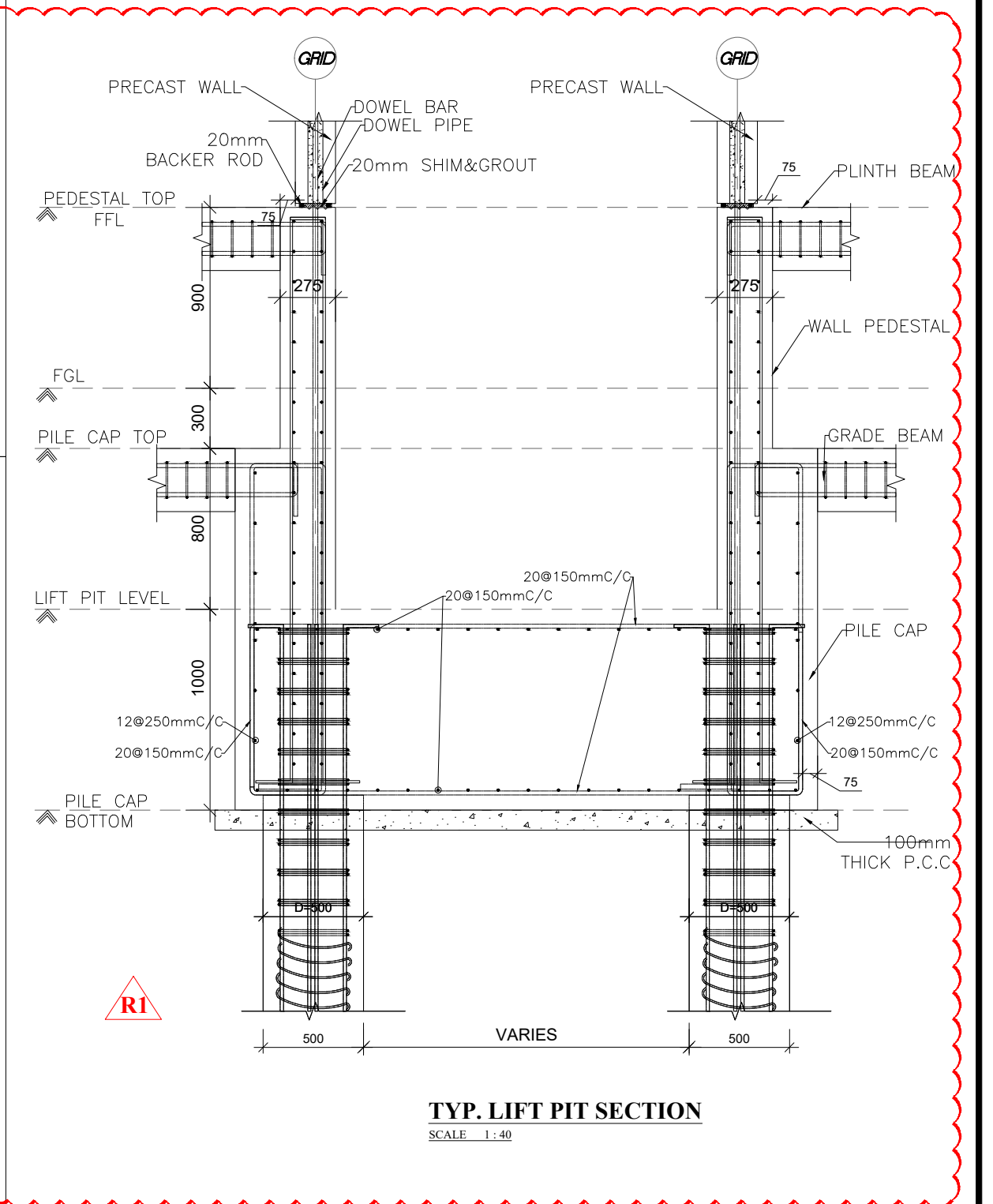
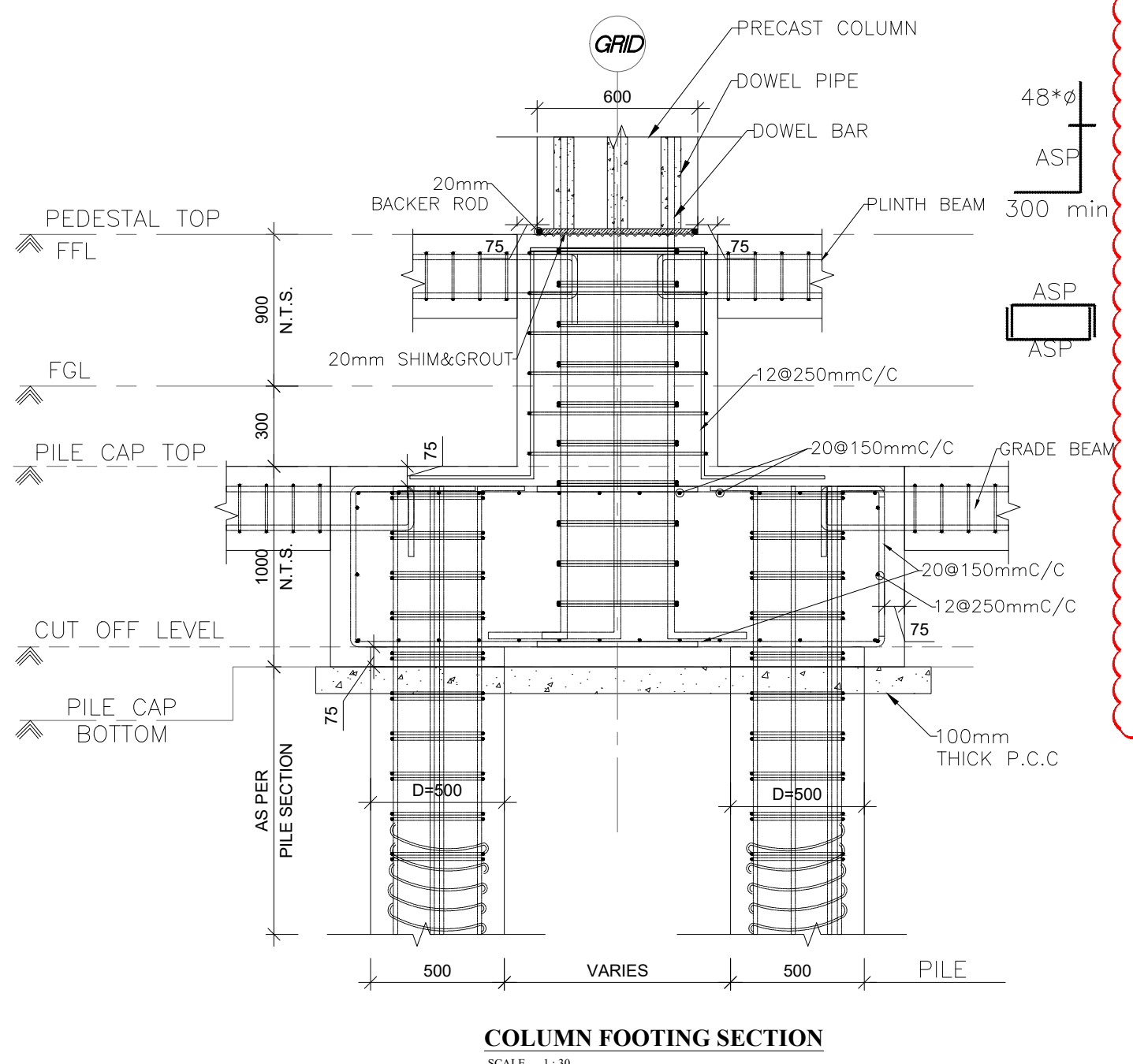
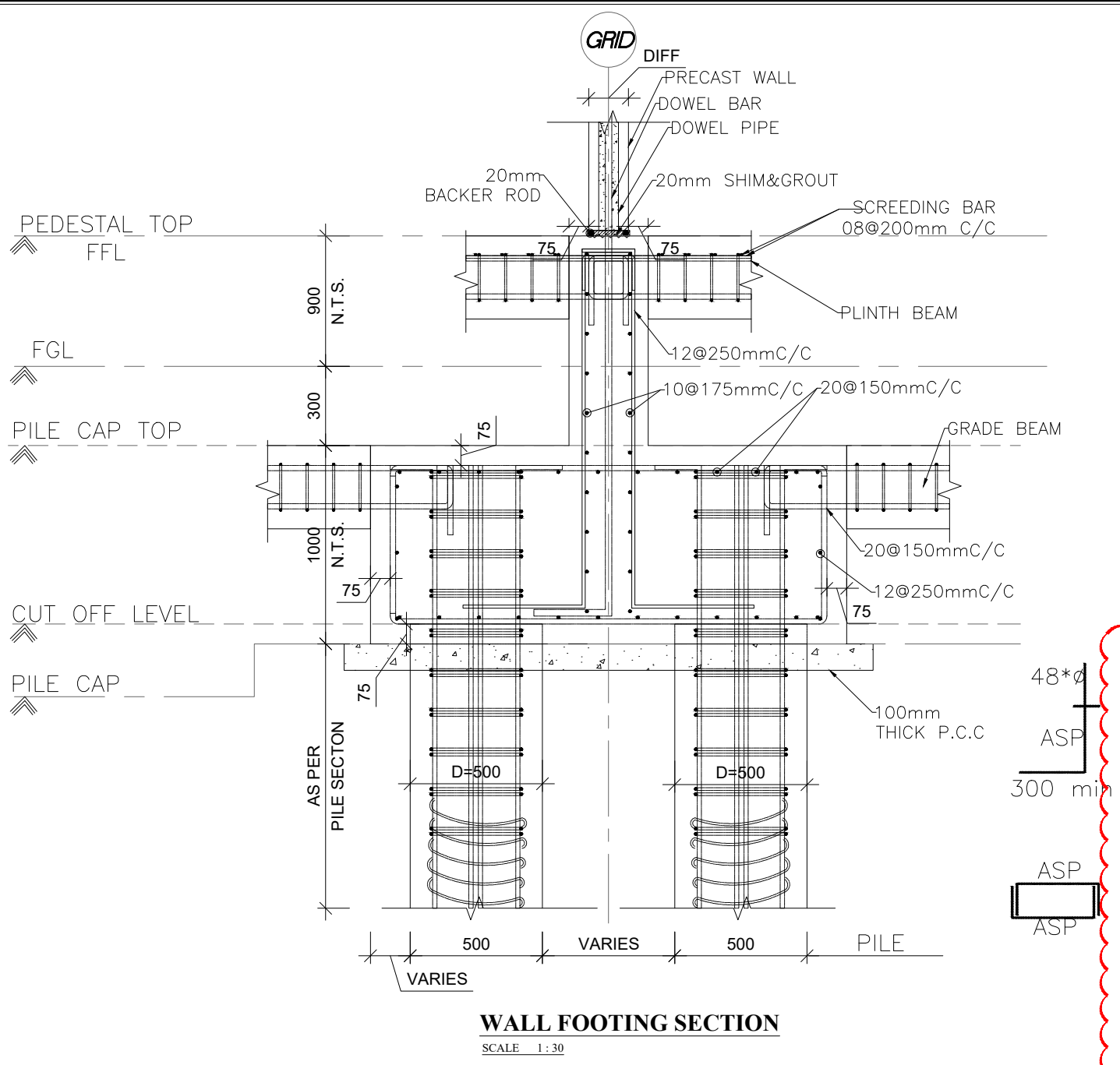
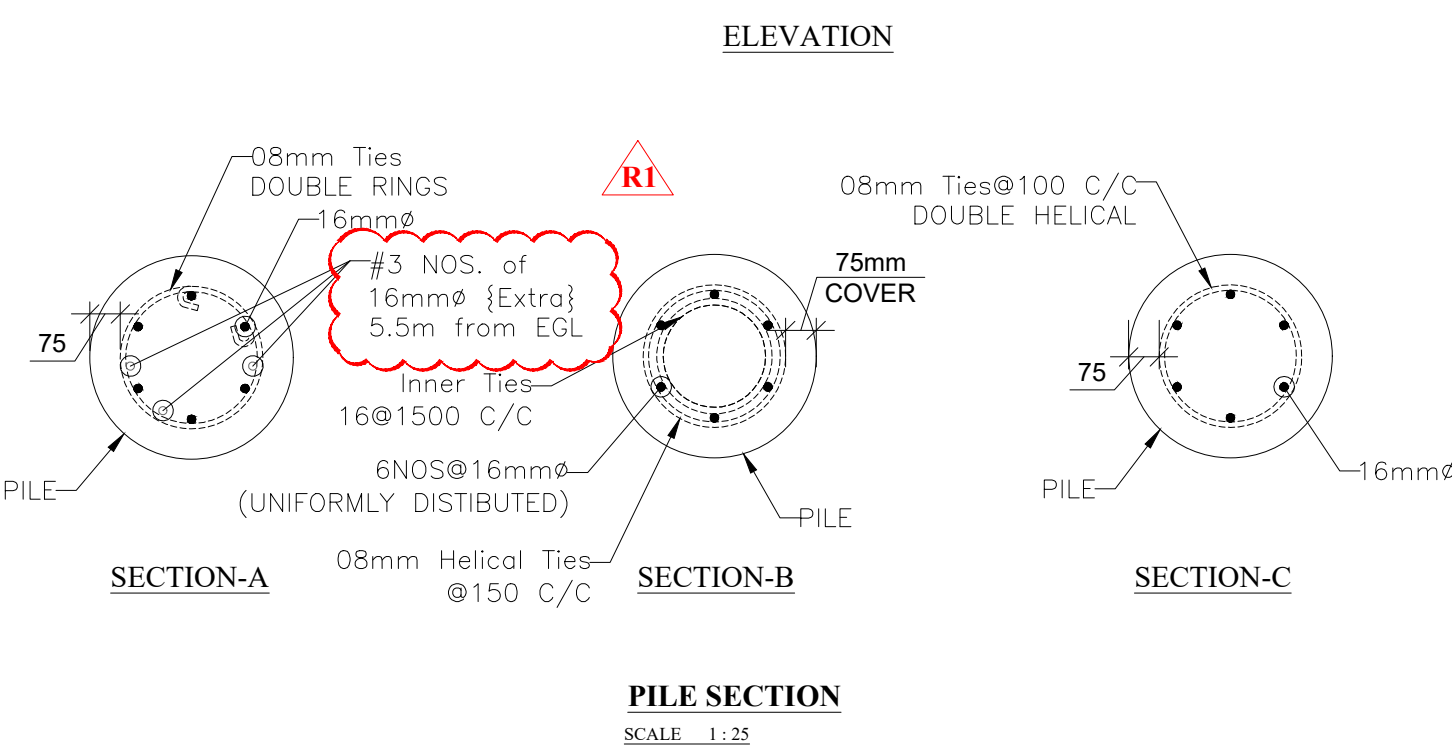
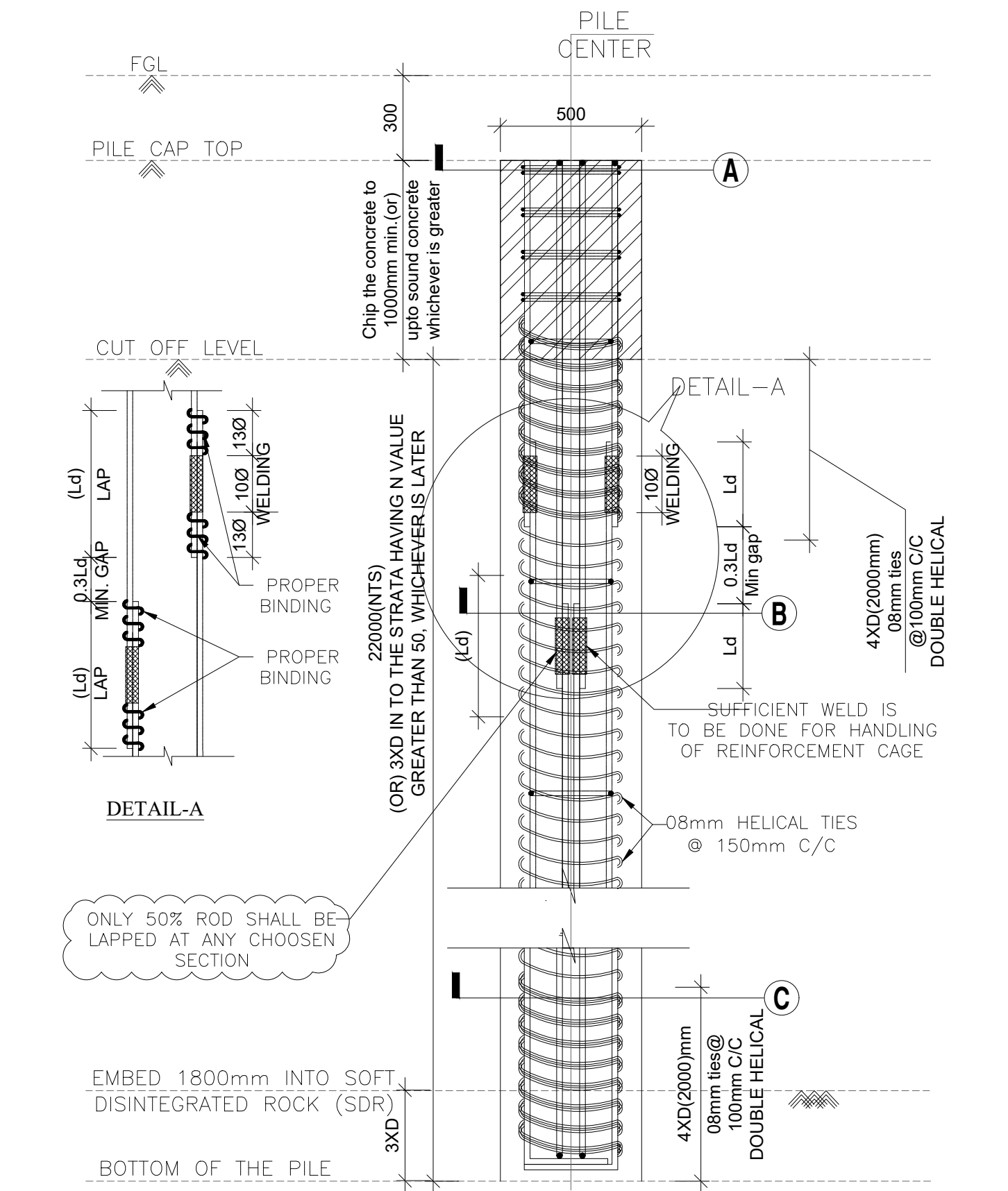


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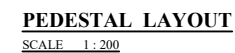
PILE CAP LAYOUT
SCALE 1 : 200

			CLIENT:		TURNKEY DESIGN AND BUILD CONTRACTOR		COMPREHENSIVE CONSULTANT		STRUCTURAL CONSULTANT		PROJECT:				TITLE:		PAPER SIZE:	
					RAMALINGAM CONSTRUCTION COMPANY PVT.LTD #175/2 South State Bank Nagar, Chennai - 600005,Tamil Nadu, Tel: 0424 2282389,Email ID: info@ramalingam.in		METAPHOR ARCHITECTS PVT.LTD 20/PCA,2nd Floor, Megapari West, Chennai - Tamil Nadu 600035		MERAKI STRUCTURE, TAMIL NADU 641035		PROPOSED SITE PLAN FOR THE RECONSTRUCTION OF NON HIGH RISE BUILDING OF EWS RESIDENTIAL BUILDING WITH (G+5FLOORS) 150 DWELLING UNITS AT GOYYATHOPPU PH 2 IN S.No.1329/1,1335 pt, BLOCK NO : 45 OF EGMORE VILLAGE, GREATER CHENNAI CORPORATION.				PILE CAP LAYOUT		A3	
R1 CLOUDED PORTION REVISED 31-01-2024															DRAWN DATE:		01-11-2023	
R0 ISSUED FOR APPROVAL 15-12-2023															PROJECT NO:		MS23035_GT_2	
REV. DESCRIPTION DATE															SHEET NO:		P002	
															ASN		SK	
															DRAWN		DESIGN	
															CHECKED		SJS	
															APPROVED		SJS	

- GENERAL NOTE:
- Ø - DIA. OF THE BAR(16mm)
 - D - DIA. OF THE PILE
 - Ld - 48*DIA OF THE BAR

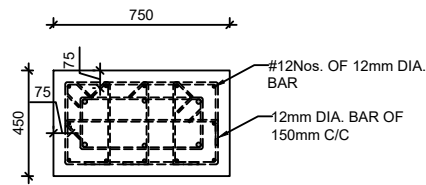


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R1	CLOUDED PORTION REVISED	31-01-2024	TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD No. 5 Kamarajar Salai, Chennai - 600005, Tamil Nadu, Tel: 0440 28440 1300	RAMALINGAM CONSTRUCTION COMPANY PVT LTD #175/2 South State Bank Nagar, Chattipalayam, Erode - 638002, Tamil Nadu, Tel: 0424 2282389, Email ID: info@ramalingam.in	METAPHOR	MERAKI STRUCTURE, COIMBATORE, TAMIL NADU 641035	PROPOSED SITE PLAN FOR THE RECONSTRUCTION OF NON HIGH RISE BUILDING OF EWS RESIDENTIAL BUILDING WITH (G+5 FLOORS) 150 DWELLING UNITS AT GOYYATHOPPU PH 2 IN S.No.1329/1,1335 pt, BLOCK NO : 45 OF EGMORE VILLAGE, GREATER CHENNAI CORPORATION.	SECTIONS				DRAWN DATE:	01-11-2023
R0	ISSUED FOR APPROVAL	15-12-2023						ASN	SK	SJS	SJS	PROJECT NO:	MS23035_GT_2
REV.	DESCRIPTION	DATE						DRAWN	DESIGN	CHECKED	APPROVED	SHEET NO:	P003

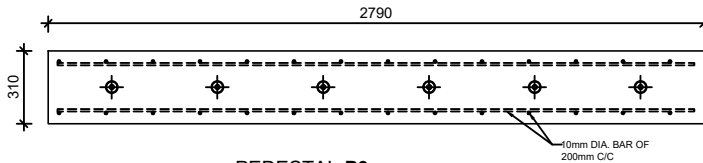


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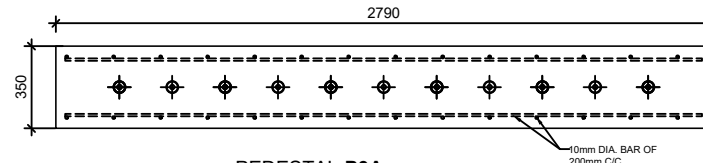
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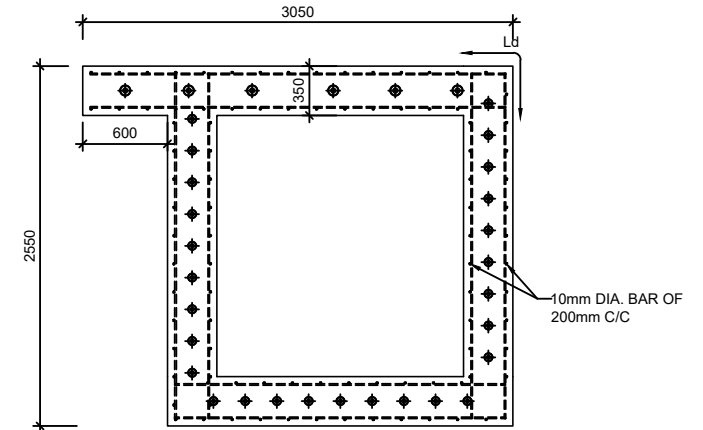
TYPICAL COLUMN
PEDESTAL-P1
SCALE 1:30



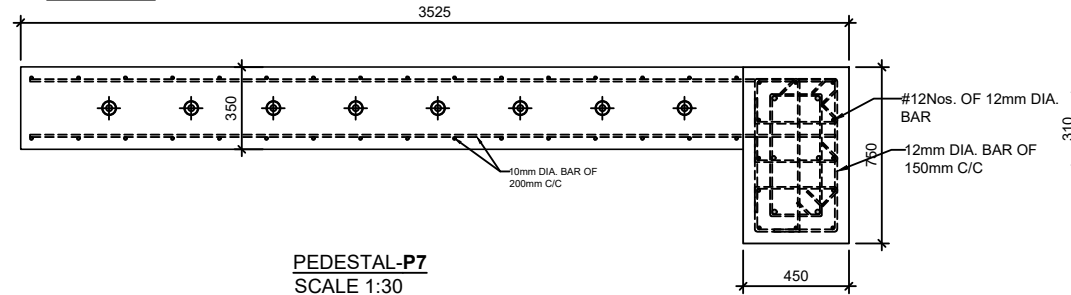
PEDESTAL-P3
SCALE 1:30



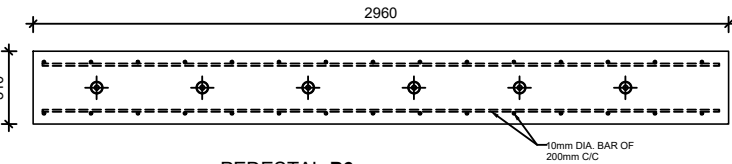
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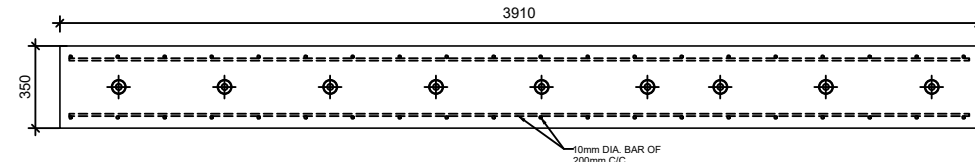
PEDESTAL-P4
SCALE 1:50



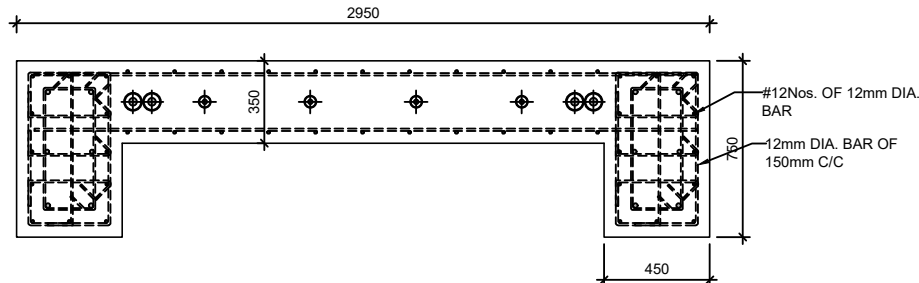
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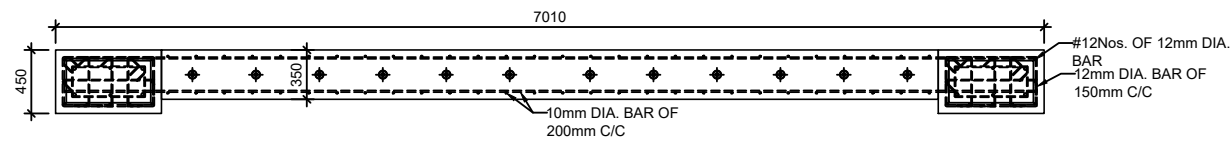
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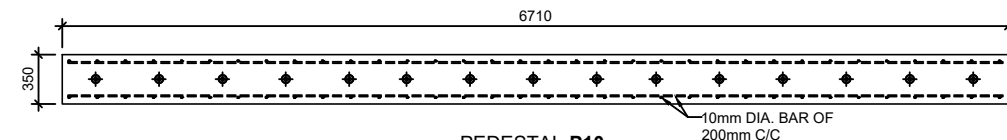
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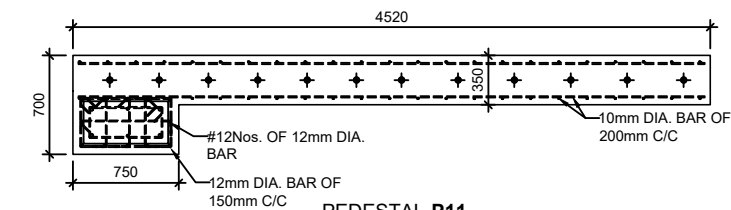
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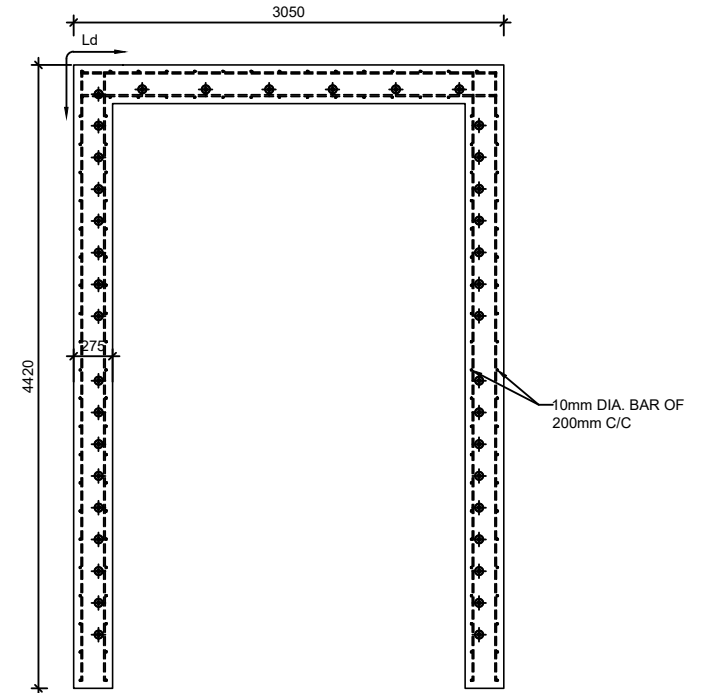
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SCALE 1:50



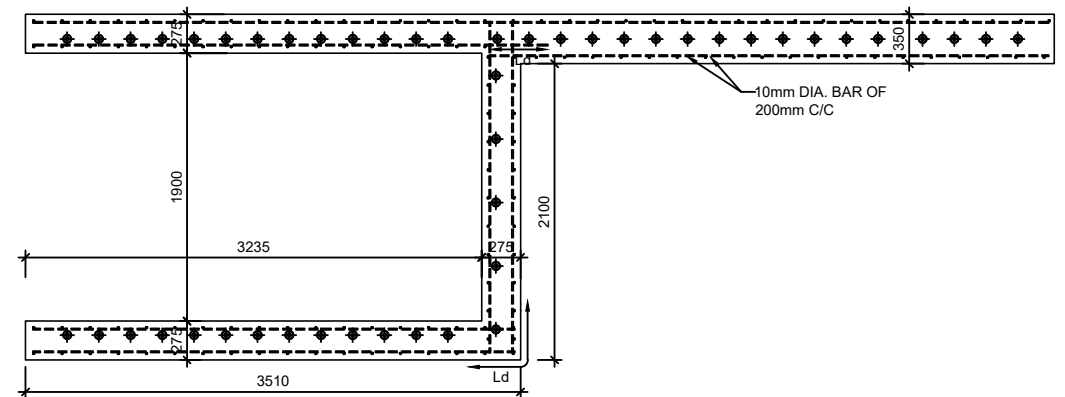
PEDESTAL-P10
SCALE 1:50



PEDESTAL-P11
SCALE 1:50

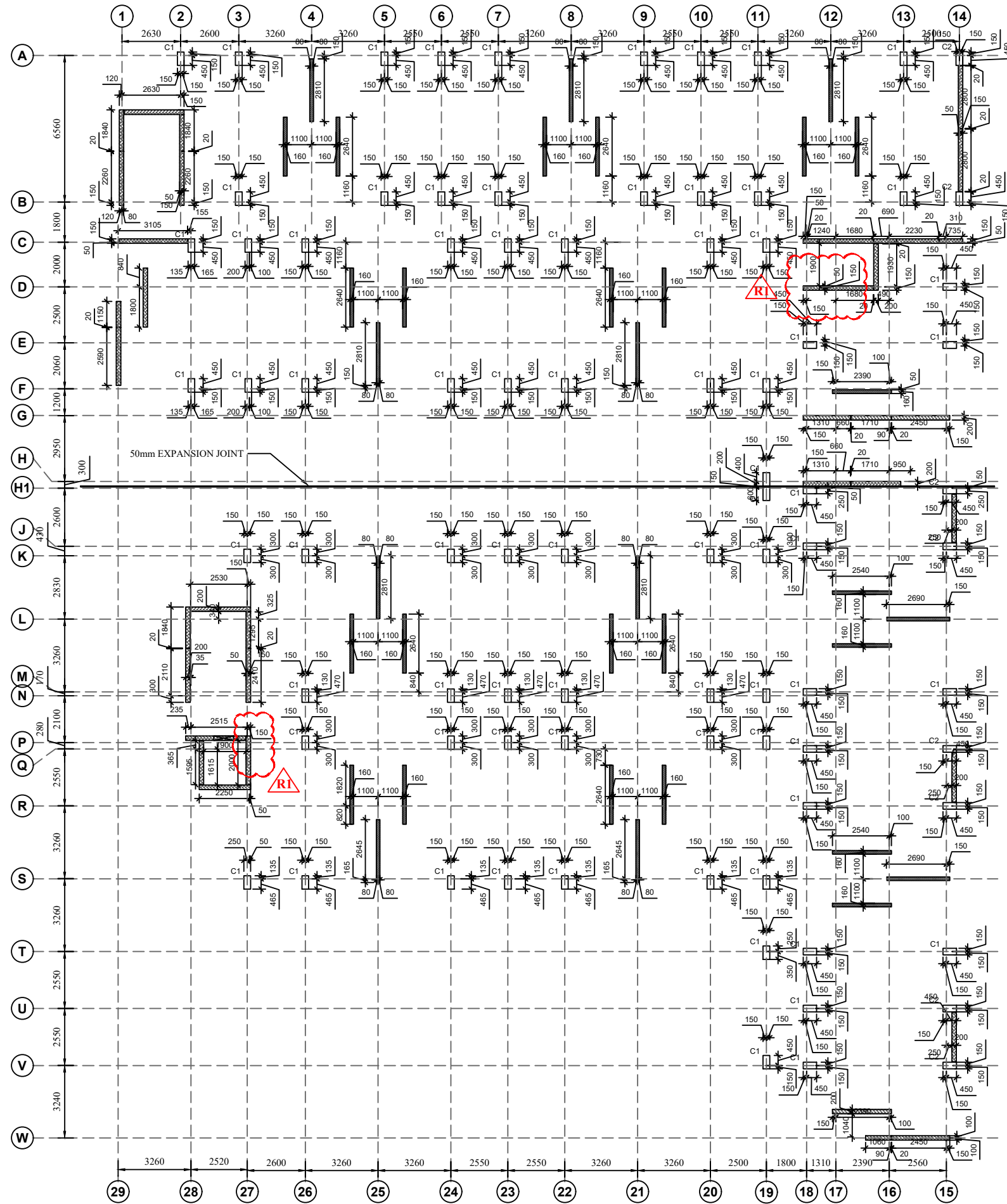


PEDESTAL-P5
SCALE 1:50



PEDESTAL-P9
SCALE 1:50

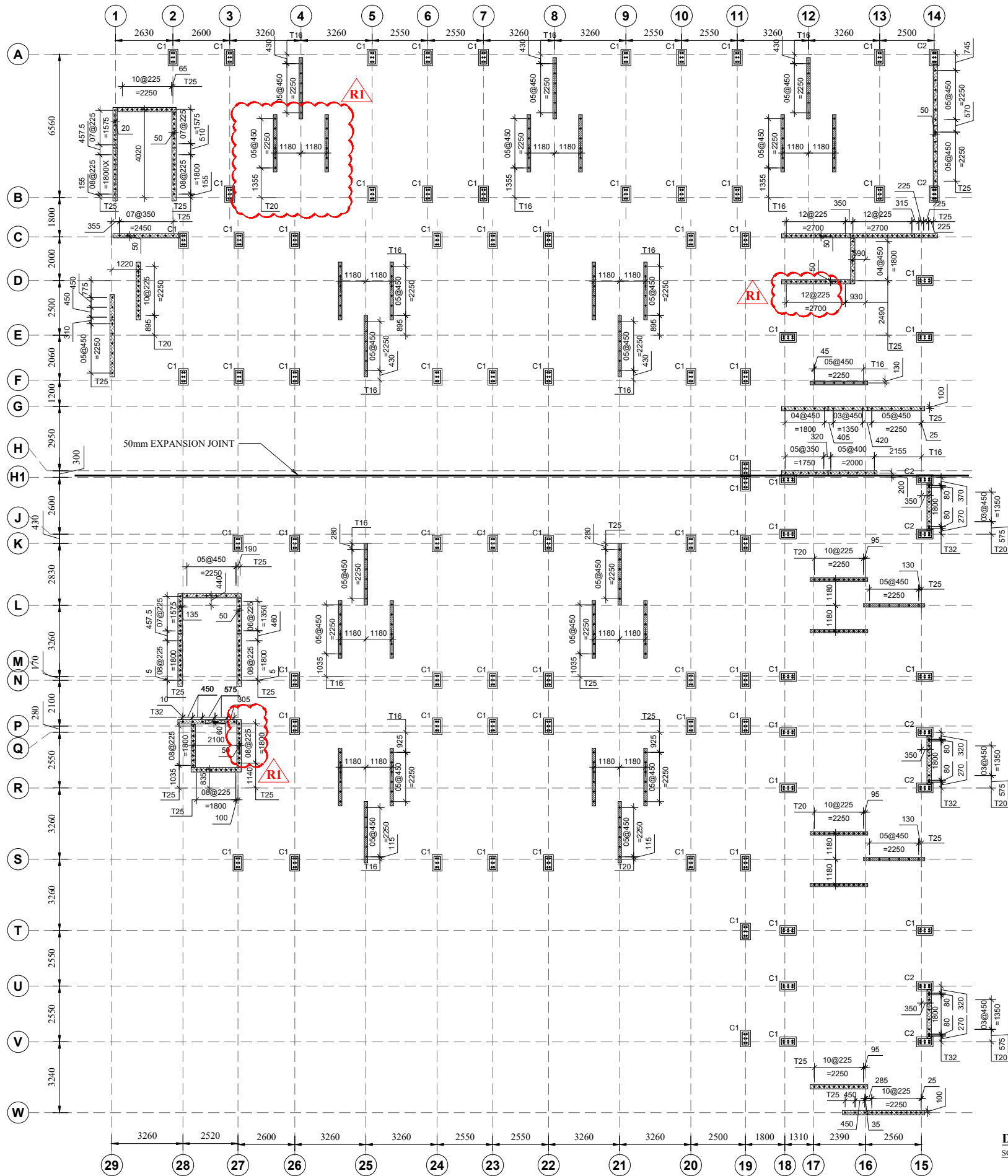
			CLIENT:	TURNKEY DESIGN AND BUILD CONTRACTOR	COMPREHENSIVE CONSULTANT	STRUCTURAL CONSULTANT	PROJECT:					TITLE:	PAPER SIZE:	A3
R1	CLOUDED PORTION REVISED	31-01-2024	TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD No. 5 Kamarajar Salai, Chennai - 600005, Tamil Nadu, Tel: 044-26440 1300	RAMALINGAM CONSTRUCTION COMPANY PVT LTD #175/2 South State Bank Nagar, Chattipalayam Enode - 638002, Tamil Nadu, Tel: 0424 2252389, Email ID: info@ramalingamun	METAPHOR ARCHITECTS & PLANNERS 30/08, 2nd Floor, Regipost Res. Complex, T-20, 1st & 2nd Cross, 100 ft, INDIA: TAMIL NADU, CHENNAI	MERAKI STRUCTURE, COIMBATORE, TAMIL NADU 641035	PROPOSED SITE PLAN FOR THE RECONSTRUCTION OF NON HIGH RISE BUILDING OF EWS RESIDENTIAL BUILDING WITH (G+5FLOORS) 150 DWELLING UNITS AT GOYYATHOPPU PH 2 IN S.No.1329/1,1335 pt, BLOCK NO : 45 OF EGMORE VILLAGE, GREATER CHENNAI CORPORATION.	ASN	SK	SJS	SJS	PEDESTAL LAYOUT	DRAWN DATE:	01-11-2023
R0	ISSUED FOR APPROVAL	15-12-2023						DRAWN	DESIGN	CHECKED	APPROVED		PROJECT NO:	MS23035_GT_2
REV.	DESCRIPTION	DATE											SHEET NO:	P005



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COLUMN & WALL LAYOUT
SCALE 1:200

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									DRAWN DATE:	01-11-2023				
R1	CLOUDED PORTION REVISED	31-01-2024								PROJECT NO:	MS23035_GT_2			
R0	ISSUED FOR APPROVAL	15-12-2023												
REV.	DESCRIPTION	DATE								SHEET NO:	P006			

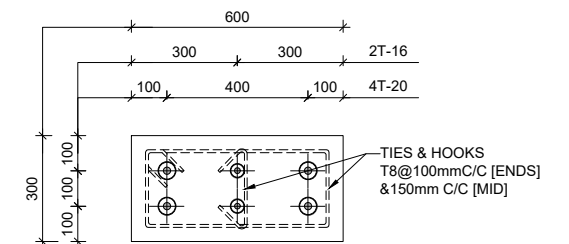
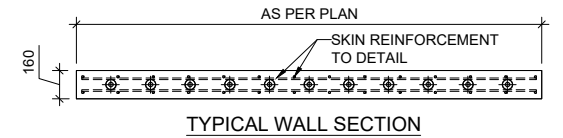


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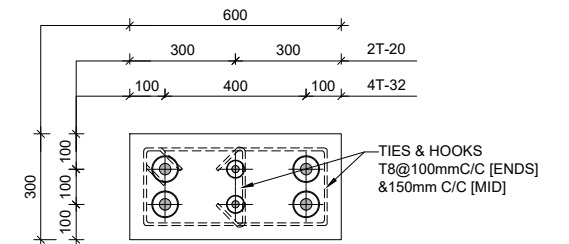
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- 32mm Ø DOWEL BAR
- 25mm Ø DOWEL BAR
- 20mm Ø DOWEL BAR
- 16mm Ø DOWEL BAR

- 200mm THICK WALL
- 160mm THICK WALL



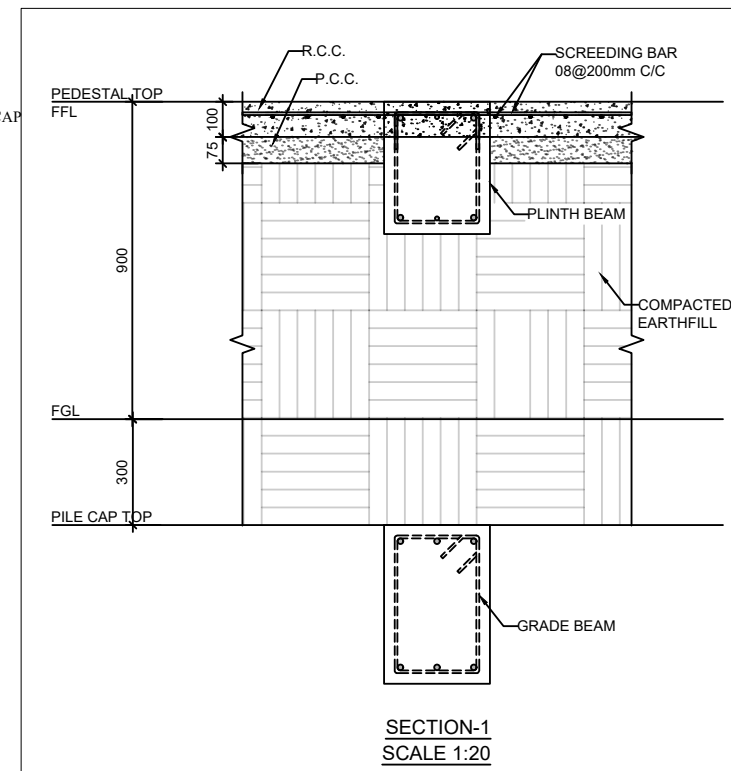
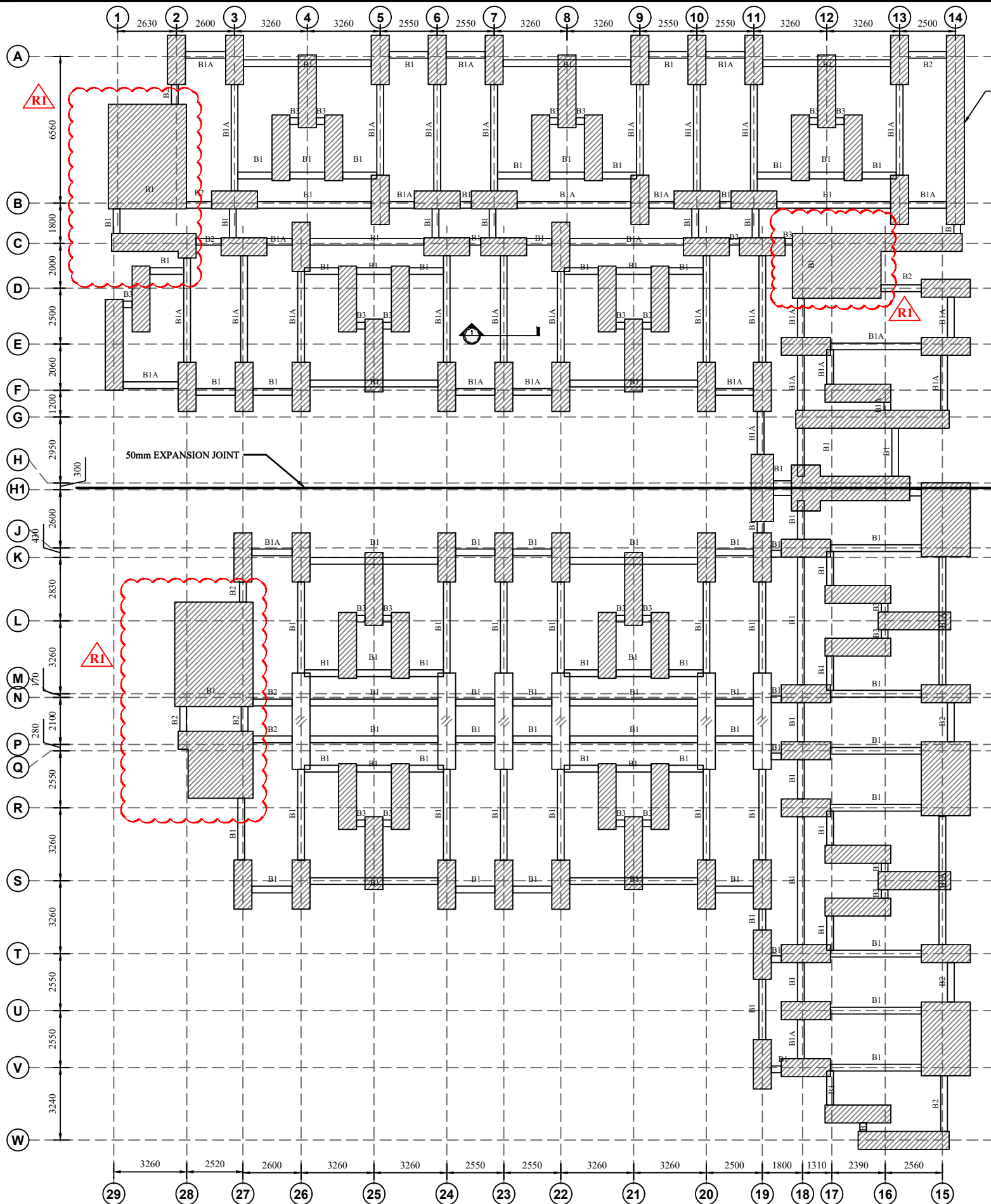
COLUMN TYPE-C1



COLUMN TYPE-C2

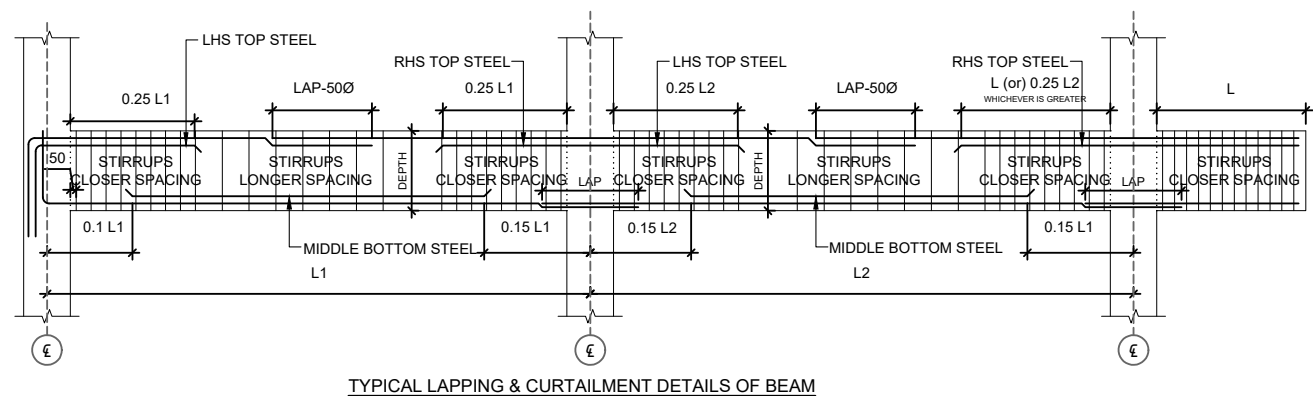
DOWEL LAYOUT
SCALE 1:200

		CLIENT:	TURNKEY DESIGN AND BUILD CONTRACTOR		COMPREHENSIVE CONSULTANT	STRUCTURAL CONSULTANT	PROJECT:	TITLE:				PAPER SIZE:	A3
R1		CLOUDED PORTION REVISED	31-01-2024	RAMALINGAM CONSTRUCTION COMPANY PVT LTD #1792 South State Bank Nagar, Chattipalayam Enclave - 636002, Tamil Nadu. Tel: 0440 26440 1300		METAPHOR	PROPOSED SITE PLAN FOR THE RECONSTRUCTION OF NON HIGH RISE BUILDING OF EWS RESIDENTIAL BUILDING WITH (G+5FLOORS) 150 DWELLING UNITS AT GOYATHOPPU PH 2 IN S.No.1329/1,1335 pt, BLOCK NO : 45 OF EGMORE VILLAGE, GREATER CHENNAI CORPORATION.	DOWEL LAYOUT				DRAWN DATE:	01-11-2023
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REV.		DESCRIPTION	DATE					DRAWN	DESIGN	CHECKED	APPROVED	SHEET NO:	P007

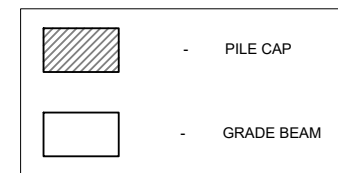


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 - GRADE OF STEEL SHALL BE Fe500D/550D.
 - GRADE OF CONCRETE
FOR SUPER STRUCTURE [BEAM,COLUMN,WALL,SLAB] - M40
FOR SUB-STRUCTURE [PILE,PILE CAP,PLINTH & GRADE BEAM] - M30
 - CLEAR COVER FOR
PILE & PILE CAP : 75mm
COLUMN : 40mm
BEAM : 25mm
SLAB : 20mm
 - LAP LENGTH OF BARS : 48Ø [M30] 36Ø [M40]
AT COLUMN LAPPING PROVIDE 100mm SPACING OF TIES.
IN CASE OF BEAM REINFORCEMENT, NO LAPPING SHALL BE ALLOWED IN FOLLOWING PLACES
(a) TOP ROD NEAR COLUMN, L/4 ON EITHER SIDES OF COLUMN
(b) TOP ROD OF CANTILEVER BEAM ALONG THE LENGTH AND ALSO DEVELOPMENT LENGTH, BEYOND COLUMN
(c) BOTTOM ROD AT MID SPAN OF BEAM
 - REMOVAL OF SHUTTERING / FORM WORK
(a) COLUMN : 24 HOURS
(b) BEAM SIDES : 24 HOURS
(c) BEAM BOTTOM : LESS THAN 6M SPAN : 14 DAYS
MORE THAN 6M SPAN : 28 DAYS
(d) SLAB : LESS THAN 6M SPAN : 14 DAYS
MORE THAN 6M SPAN : 28 DAYS
HOWEVER 7 DAYS STRENGTH OF CONCRETE SHOULD BE 65% OF THE TARGET STRENGTH, TO REMOVE FORM WORK.
 - THIS BUILDING IS DESIGNED FOR GROUND + 5 FLOORS
 - AS PER SOIL REPORT PILE FOUNDATION IS ADOPTED.
 - AAC BLOCKS TO BE USED FOR ALL MASONRY WORKS.

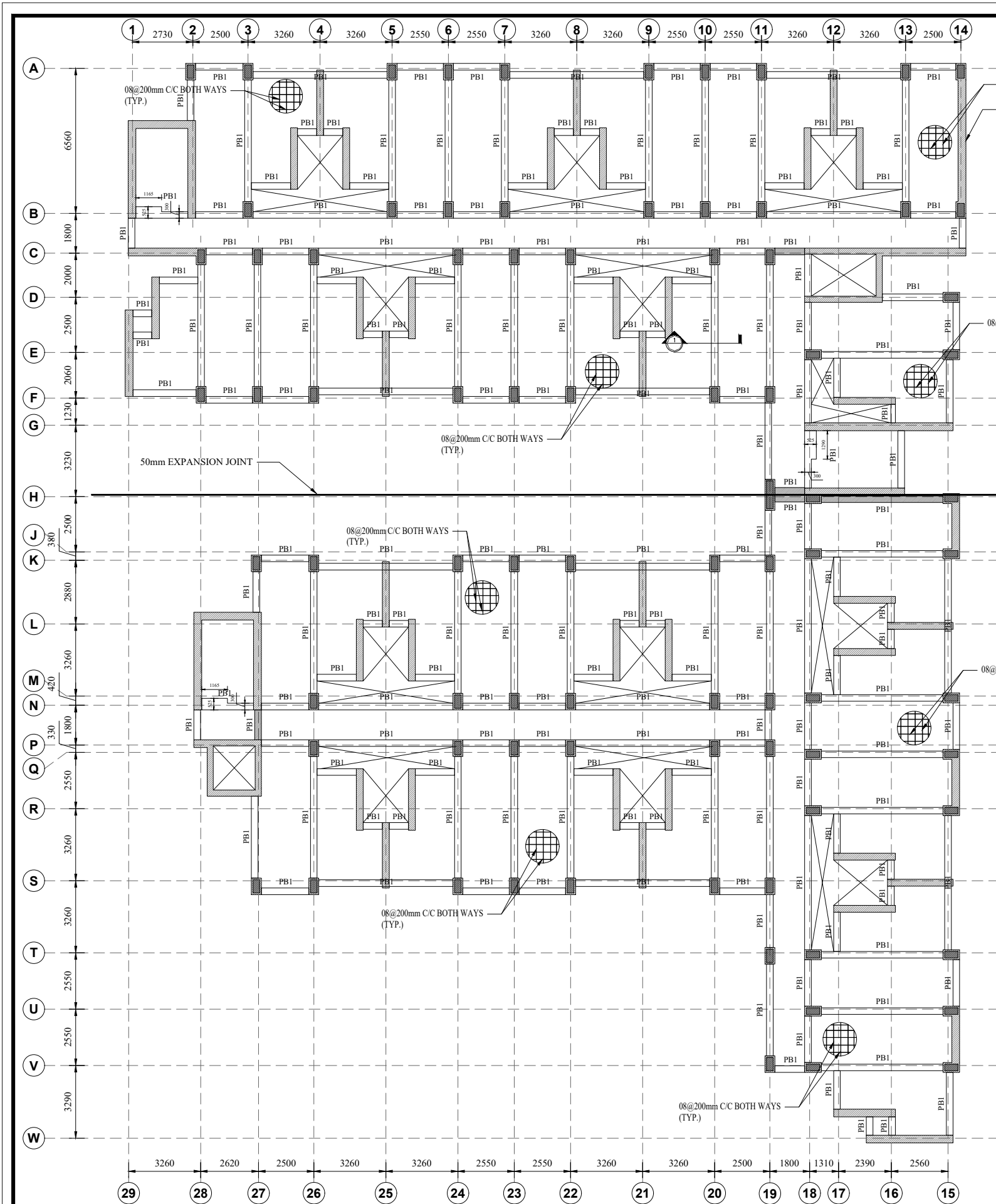
GRADE BEAM DETAILS										
S.NO	BEAM ID	BEAM SIZE(mm)		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		SIDE FACE	STIRRUPS	
		WIDTH	DEPTH	STRAIGHT BAR	CURTAILMENT	STRAIGHT BAR	CURTAILMENT		END	MIDDLE
1	B1	300	450	#3-T16	-	#3-T16	-	-	T8@100mmC/C	T8@150mmC/C
2	B1A	300	450	#3-T20	-	#3-T16	-	-	T8@100mmC/C	T8@150mmC/C
3	B2	300	450	#3-T25	#2-T25	#3-T25	#2-T25	-	T10@100mmC/C	T10@150mmC/C
4	B3	300	450	#3-T20	-	#3-T20	-	-	T10@100mmC/C	T10@100mmC/C



GRADE BEAM LAYOUT
SCALE : 1:200

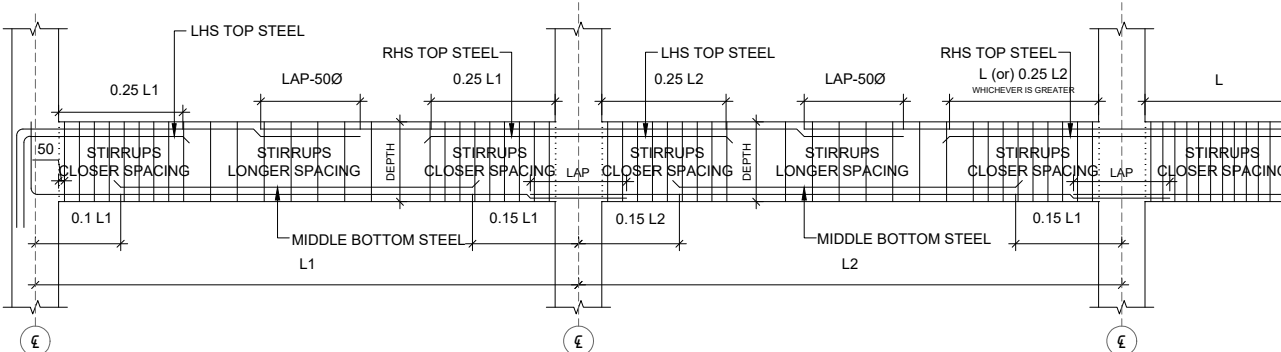


CLIENT:		TURNKEY DESIGN AND BUILD CONTRACTOR		COMPREHENSIVE CONSULTANT		STRUCTURAL CONSULTANT		PROJECT:		TITLE:		PAPER SIZE:	A3
TAMIL NADU URBAN HABITAT DEVELOPMENT BOARD No. 5 Kamraj Nagar, Chennai - 600005, Tamil Nadu, Tel: 044 26440 1300		RAMALINGAM CONSTRUCTION COMPANY PVT LTD #1752 South State Bank Nagar, Chelapakkam, Chennai - 600002, Tamil Nadu, Tel: 044 2252388, Email: R740@gmail.com		METAPHOR ARCHITECTS & PLANNERS 10/102, 2nd Floor, Regipost Road, Chennai - 600016, Tamil Nadu, India. Tel: 044 4448 1000, Email: info@metaphorarchitects.com		MERAKI STRUCTURE, COIMBATORE, TAMIL NADU 641035		PROPOSED SITE PLAN FOR THE RECONSTRUCTION OF NON HIGH RISE BUILDING OF EWS RESIDENTIAL BUILDING WITH (G+5FLOORS) 150 DWELLING UNITS AT GOYATHOPPU PH 2 IN S.No.1329/1,1335 pt, BLOCK NO : 45 OF EGMORE VILLAGE, GREATER CHENNAI CORPORATION.		GRADE BEAM LAYOUT		DRAWN DATE:	01-11-2023
R1 CLOUDED PORTION REVISED 31-01-2024		R0 ISSUED FOR APPROVAL 15-12-2023		ASN SK SJS SJS		DRAWN DESIGN CHECKED APPROVED		PROJECT NO:		MS23035_GT_2		SHEET NO:	
REV. DESCRIPTION DATE												P008	

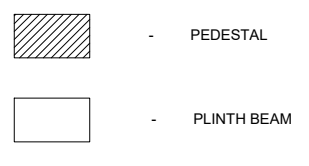
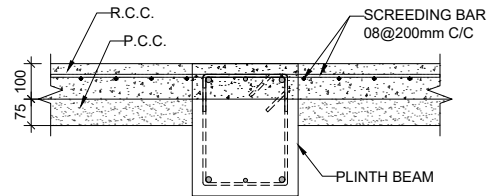


- NOTES:
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 - DRAWING SHOULD NOT BE SCALED, FOLLOW FIGURED DIMENSIONS.
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PLINTH BEAM DETAILS										
S.NO	BEAM ID	BEAM SIZE(mm)		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		SIDE FACE	STIRRUPS	
		WIDTH	DEPTH	STRAIGHT BAR	CURTAILMENT	STRAIGHT BAR	CURTAILMENT		END	MIDDLE
1	PB1	300	375	#2-T16 + #1-T12	-	#2-T16 + #1-T12	-	-	T8@100mmC/C	T8@150mmC/C



TYPICAL LAPPING & CURTAILMENT DETAILS OF BEAM



PLINTH BEAM LAYOUT
SCALE 1 : 200

PLINTH BEAM C/S(TYP.)
SCALE 1:20

		CLIENT:		TURNKEY DESIGN AND BUILD CONTRACTOR		COMPREHENSIVE CONSULTANT		STRUCTURAL CONSULTANT		PROJECT:		TITLE: 			
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Home Vastu Shastra, Plot Vastu Shastra, Property Management

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