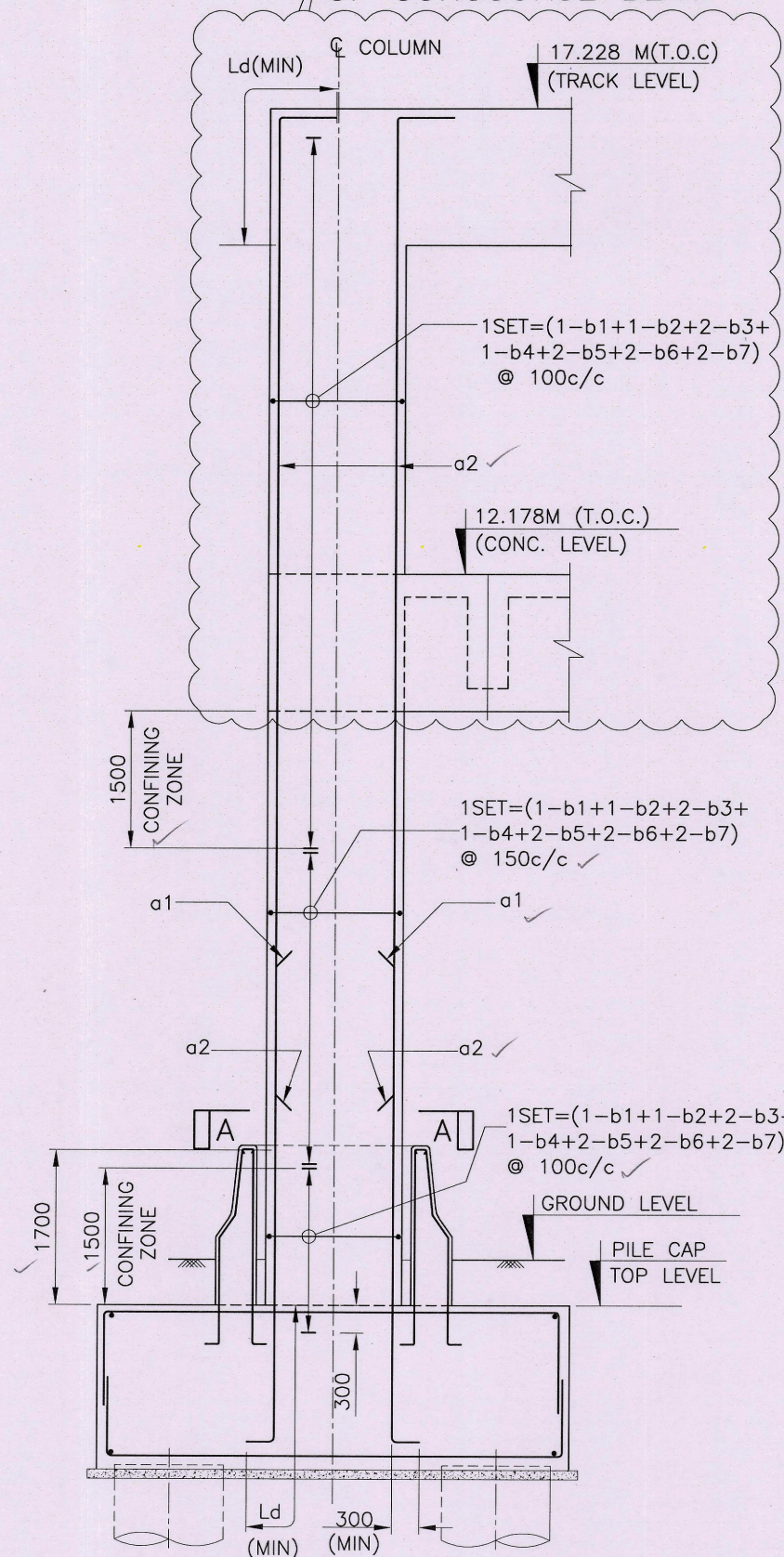


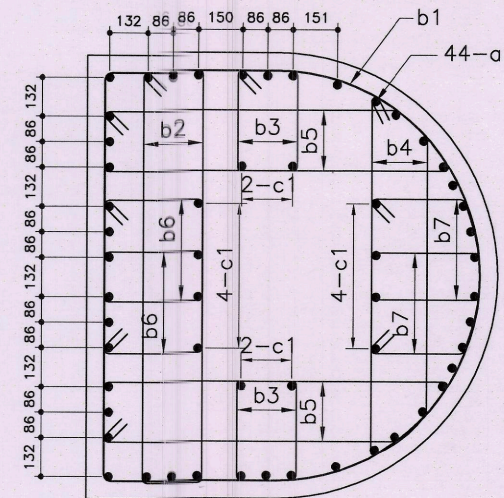
P:\WIP\2011035 Joka-Mominpur Station\Special Projects\HASSAN AHMAD\ReviseCalculation\Comparison\PileCapColRev270113\TT-5STSETT COLUMN-0451B-1.dwg

HOLD UPTO BOTTOM OF CONCOURSE BEAM



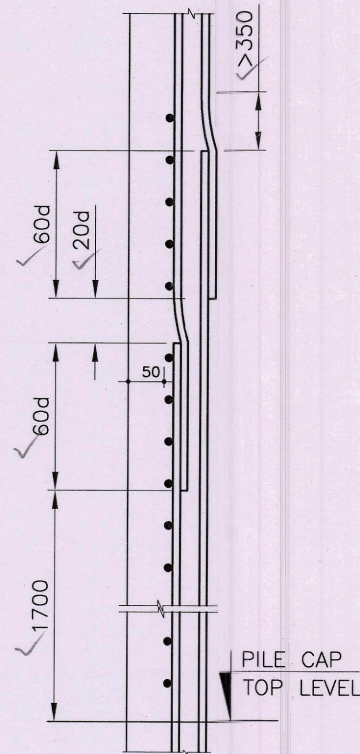
REINFORCEMENT DETAIL OF COLUMN TYPE C2

(SCALE 1:75)



SECTION A-A

(SCALE 1:25)

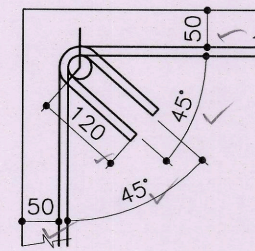


LAPPING DETAIL

(SHOWING CRANKING OF BARS IN LAPPING ZONE)

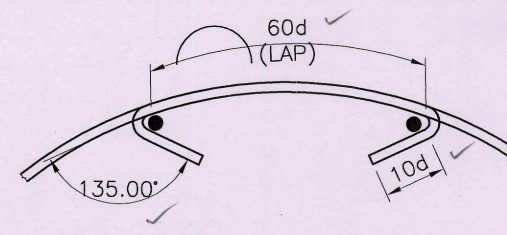
('d' IS DIA OF BAR)

(SCALE 1:75)



HOOK DETAIL

(SCALE 1:10)



TYP. DETAIL OF HOOK

('d' IS DIA OF TIE BAR)

(SCALE 1:15)

FOR COLUMN MKD. C1-4

SCHEDULE OF COL. REINF. FOR TYPE C2

BAR MKD.	DESCRIPTION OF REINF.	SHAPE OF REINF.	GRID MKD.
a1	44-T25	L	C1-4
a2	44-T25	L	
b1	T12	D	
b2	T12	D	
b3	T12	D	
b4	T12	D	
b5	T12	D	
b6	T12	D	
b7	T12	D	
c1	12-T12	L	

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRE UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
2. ALL LEVELS SHALL BE VERIFIED FROM RELEVANT ARCHITECTURAL DRAWINGS BEFORE EXECUTION.
3. THE GRADE OF CONCRETE FOR COLUMN SHALL BE M40.
4. FOR ALL REINFORCEMENT STEEL SHALL BE TMT BARS OF GRADE Fe500 CONFORMING TO IS:1786.
5. THE MINIMUM CLEAR COVER FOR COLUMN SHALL BE 50 mm.
6. MINIMUM ANCHORAGE LENGTH (Ld) SHALL BE 42d. WHERE "d" IS THE DIA OF BAR.
7. MINIMUM LAP LENGTH FOR ALL REINFORCEMENT BARS OF COLUMN SHALL BE 60d, WHERE "d" IS THE SMALLER DIAMETER OF BAR. AT ANY SECTION NOT MORE THAN 50% OF REINFORCEMENT BARS SHALL BE LAPPED.
8. THE EXACT LENGTH OF THE BARS WILL BE DETERMINED BY THE ACTUAL LAPS WITH SPLICES (IF REQUIRED) ADOPTED AT SITE.
9. FOR DETAILS OF CRASH BARRIER REFER SEPERATE DRAWING.
10. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING, PILE LAUOUT, PILE & PILECAP DRAWINGS.

THE QUALITY ASSURANCE, CORRECTNESS & COMPLETENESS OF THE DESIGN AND DRAWING AS PER THE DDC CONTRACT IS THE RESPONSIBILITY OF THE DDC.

CIVIL STRUCTURE DESIGN GROUP		GEO-TECHNICAL & FOUNDATION DESIGN GROUP		REMARKS	NAME & DESIGNATION	SIGNATURE
NAME	SIGNATURE	NAME	SIGNATURE	APPROVED	Dr. H.R. YADAV/ GM (METRO)	
Prof. K.G.Sharma		Prof. K.G.Sharma		VERIFIED	N. K. Singh / JGM	
Dr. V.MATSGAR		Dr. R. Ayyathiraman		CHECKED		
Dr. SAHOO		Dr. B. Manja		CHECKED		

DRAWING NAME		DRAWING NO. :	
TARATALA STATION REINFORCEMENT DETAILS OF COLUMN TYPE C2		5/ST/SE/TT/COLUMN-0451 (SHEET 1 OF 2)	
		2011035/S&SP	
STATUS	D	REV.	A

MKD.	ISSUED	DATE	DESCRIPTION	DEALT	CHECKED	APPROVED
REVISIONS						

RAIL VIKAS NIGAM LIMITED, NEW DELHI  
CONSULTING ENGINEERING SERVICES (I) PVT. LTD.  
57, NEHRU PLACE (5th FLOOR) NEW DELHI - 19

DETAILED DESIGN CONSULTANCY SERVICES FOR EIGHT ELEVATED METRO STATIONS BETWEEN JOKA(CH.000) TO MOMINPUR(CH:8755.00) IN JOKA -BBD BAG CORRIDOR OF KOLKATA METRO RAILWAY LINE

SCALE : AS SHOWN					
PREP.	CHKD.	APPROVED	ISSUED	DATE	
S.G.	P.K.M.	A.B.	D.P.	JAN-2013	

TARATALA STATION REINFORCEMENT DETAILS OF COLUMN TYPE C2