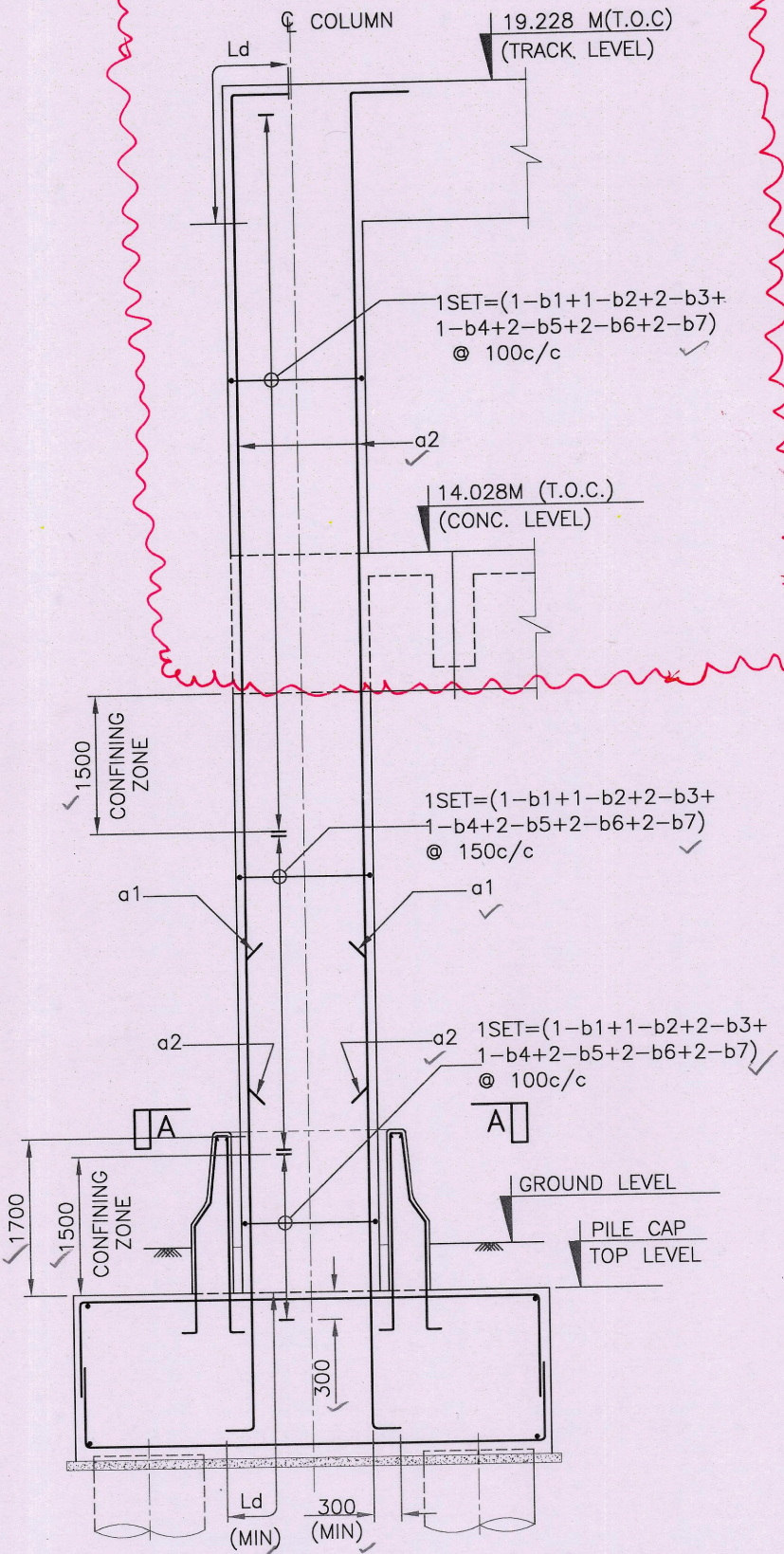


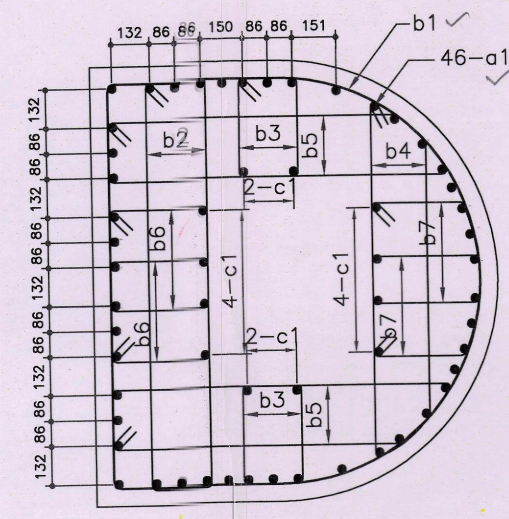
P:\WIP\2011035 Joka-Mominpur Station\Special Projects\HASSAN AHMAD\ReviseCalculation\Comparison\Submission\PileCapColRev270113\BB-5TSEBCCOLUMN-0451A (SH. 1 OF 2).dwg

SCHEDULE OF COL. REINF. FOR TYPE C2

BAR MKD.	DESCRIPTION OF REINF.	SHAPE OF REINF.	GRID MKD.
a1	46-T25	L	C1-4
a2	46-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	

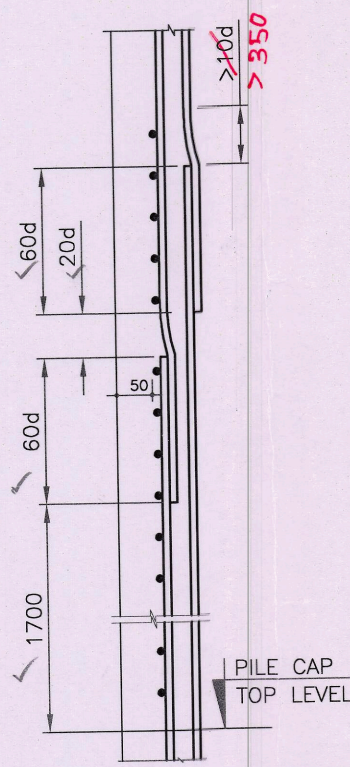


REINFORCEMENT DETAIL OF COLUMN TYPE C2
(SCALE 1:75)

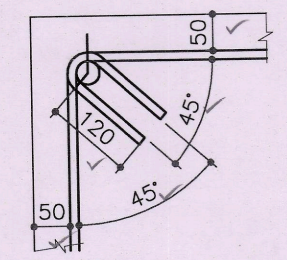


SECTION A-A
(SCALE 1:25)

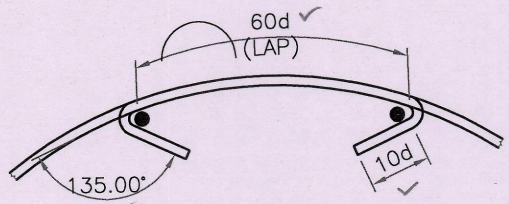
HOLD UP TO BOTTOM OF CONCOURSE BEAM



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)

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRE UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- ALL LEVELS SHALL BE VERIFIED FROM RELEVANT ARCHITECTURAL DRAWINGS BEFORE EXECUTION.
- THE GRADE OF CONCRETE FOR COLUMN SHALL BE M40.
- FOR ALL REINFORCEMENT STEEL SHALL BE TMT BARS OF GRADE Fe500 CONFORMING TO IS:1786.
- THE MINIMUM CLEAR COVER FOR COLUMN SHALL BE 50 mm.
- MINIMUM ANCHORAGE LENGTH (Ld) SHALL BE 42d. WHERE “d” IS THE DIA OF BAR.
- 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.
- THE EXACT LENGTH OF THE BARS WILL BE DETERMINED BY THE ACTUAL LAPS WITH SPLICES (IF REQUIRED) ADOPTED AT SITE.
- FOR DETAILS OF CRASH BARRIER REFER SEPERATE DRAWING.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING, PILE LAUOUT, PILE & PILECAP DRAWINGS.

FOR COLUMN MKD. C1-4

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. Ayoobhraman		CHECKED		
Dr. SAHOO		Dr. B. Manna		CHECKED		

DRAWING NAME :		DRAWING NO. :	
BEHALA BAZAR STN. REINFORCEMENT DETAILS OF COLUMN TYPE C2		5/ST/SE/BB/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 -BBB 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	