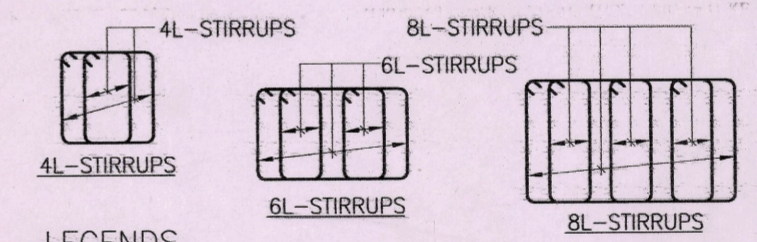
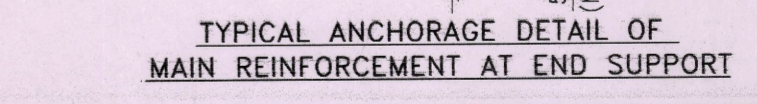


- NOTES**
- ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 - READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING.
 - GRADE OF CONCRETE SHALL BE M-40(MIN) FOR ALL BEAMS.
 - CLEAR COVER TO BEAMS REINFORCEMENT SHALL BE 40MM.
 - FOR ALL REINFORCEMENT STEEL SHALL BE TMT BARS OF GRADE Fe-500 CONFORMING TO IS:1786.
 - MINIMUM LAP SHALL BE 50d (d=DIA OF BAR) ANCHORAGE LENGTH FOR BEAM BARS AT COLUMN SUPPORTS AND AT BEAM JUNCTION SHALL BE 50d.
 - LAPS/SPLICERS OF BARS SHALL BE LOCATED AT L/3 OR L/4 FROM FACE OF SUPPORT BUT NOT CLOSER TO 2x BEAM DEPTH FROM FACE OF SUPPORT.
 - BOTTOM BARS SHALL NOT BE SPLICED AT MID SPAN.
 - NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ANY ONE SECTION.
 - SPACING OF STIRRUPS AT LAPS/SPLICE LOCATION SHALL NOT BE GREATER THAN 150MM.
 - ADEQUATE SPACER BARS @ 1000 C/C SHALL BE PROVIDED BETWEEN LAYERS OF REINFORCEMENT. SPACING BETWEEN LAYERS SHALL NOT EXCEED GREATER OF
 - MAXIMUM SIZE OF COARSE AGGREGATE.
 - MAXIMUM BAR DIAMETER.
 - AT COLUMN LOCATION ONLY LINKS OF COLUMN AS SPECIFIED IN COLUMN DRAWING SHALL BE PROVIDED INSTEAD OF STIRRUPS OF BEAMS.
 - FOR ARRANGEMENT OF STIRRUPS IN BEAMS REFER SKETCH PROVIDE BELOW



- LEGENDS**
- STIRRUPS SCHEDULE : 8L-T10-@100 CENTER TO CENTER SPACING OF STIRRUPS
- TYPE & DIA OF STIRRUPS
NUMBER OF LEGS
- BAR SCHEDULE : 14-T32
- TYPE & DIA OF BARS
NUMBER OF BAR
- SFR : SIDE FACE REINFORCEMENT
E.F. : EACH FACE
ALTH : ALTHROUGH
STPS : STIRRUPS



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

| PROOF CHECKING CONSULTANT | | Rail Vikas Nigam Limited | | |
|----------------------------------|---|---------------------------------|-----------------------------|--------------------|
| CIVIL STRUCTURE DESIGN GROUP | GEO-TECHNICAL & FOUNDATION DESIGN GROUP | REMARKS | NAME & DESIGNATION | SIGNATURE |
| NAME | SIGNATURE | APPROVED | Dr. H.R. YADAV / GM (METRO) | <i>[Signature]</i> |
| Prof. K.G.Sharma | <i>[Signature]</i> | VERIFIED | N. K. Singh / JGM | <i>[Signature]</i> |
| Dr. V. MATSAGAR | <i>[Signature]</i> | CHECKED | M. B. SINGH | <i>[Signature]</i> |
| Dr. SAHOO | | CHECKED | | |

| NO. | ISSUED | DATE | DESCRIPTION | DEALT | CHECKED | APPROVED |
|-----|----------|--------------------|-------------|-------|---------|----------|
| C | 26.12.13 | CB6 REVISED. | | | | |
| B | 16.05.13 | REVISED AS MARKED. | | | | |

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.0.00) TO MOMINPUR (CH.8755.000) IN JOKA-BBD BAG CORRIDOR OF KOLKATA METRO RAILWAY LINE

SCALES : AS SHOWN

| Prep. | Chkd. | Approved | Issued | Date |
|---------|-------|------------|--------|----------|
| B.Samui | P.S. | A.Bhowmick | D.Paul | FEB-2013 |

JOKA STATION
DETAILS OF BEAM
AT CONCOURSE LEVEL
(BEAM MKD. CB6 & CB19)

DRAWING NO. 5/ST/SE/JK/BEAM-0506

2011035/S & SP

| Status | D | Rev. | C |
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