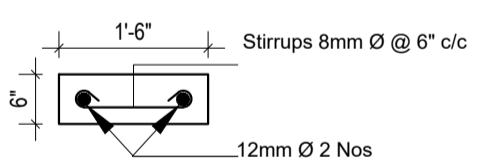
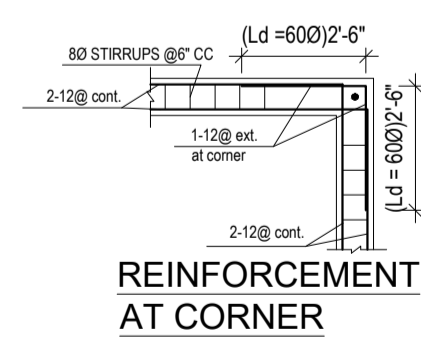


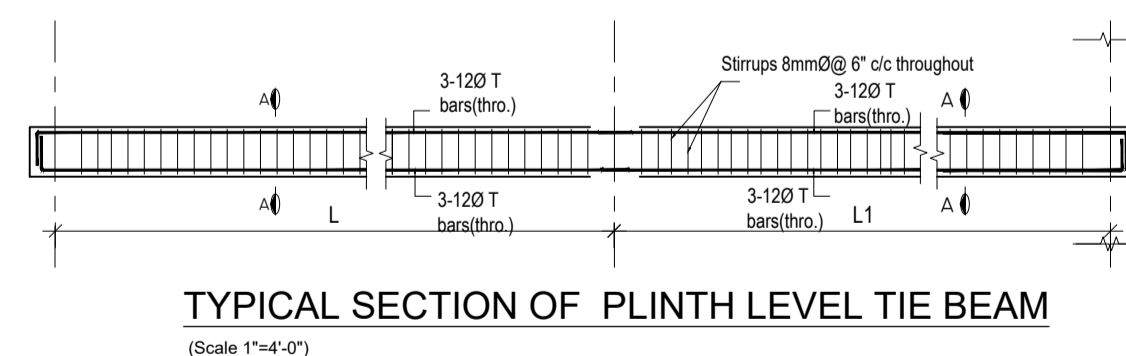
SECTION AT L1-L1
(Scale 1"=2'-0")



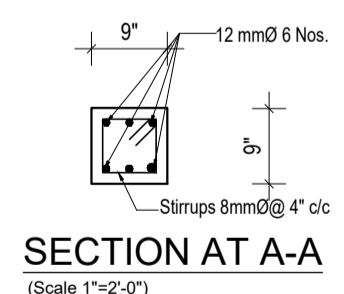
SECTION AT L2-L2
(Scale 1"=2'-0")



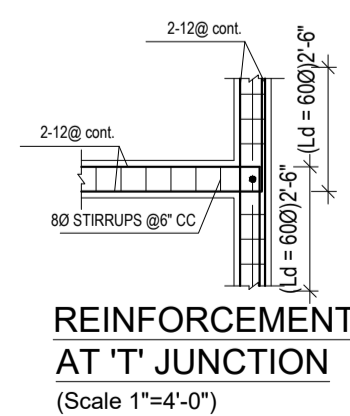
REINFORCEMENT AT CORNER
(Scale 1"=4'-0")



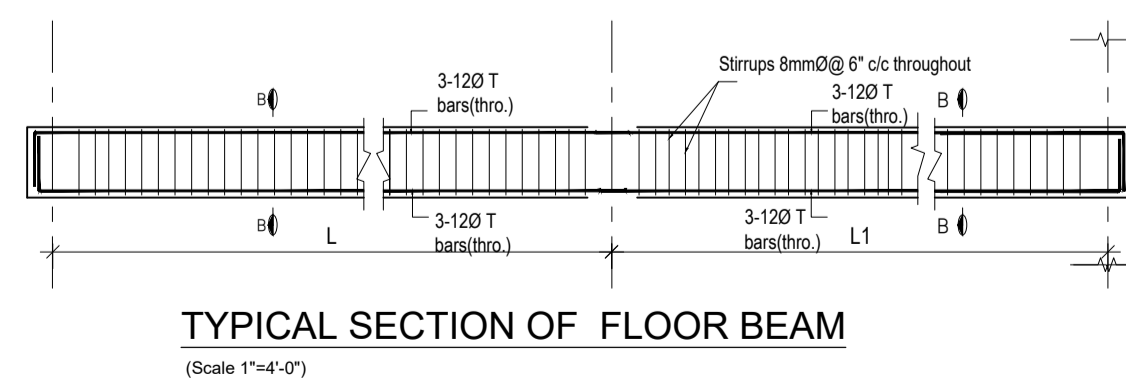
TYPICAL SECTION OF PLINTH LEVEL TIE BEAM
(Scale 1"=4'-0")



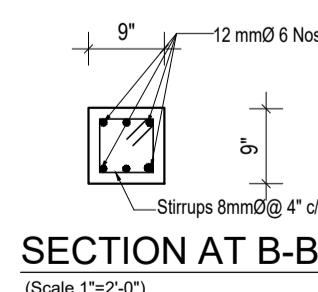
SECTION AT A-A
(Scale 1"=2'-0")



REINFORCEMENT AT T JUNCTION
(Scale 1"=4'-0")



TYPICAL SECTION OF FLOOR BEAM
(Scale 1"=4'-0")



SECTION AT B-B
(Scale 1"=2'-0")

STRUCTURAL NOTES :

A. GENERAL :

- ALL STRUCTURAL MATERIALS MUST BE TESTED & CHECKED. TESTING SHALL BE DONE IN PRESENCE OF CONSULTANCY REPRESENTATIVE.
- THE REPORTS OF TESTED MATERIALS MUST BE SUBMITTED TO THE CONSULTING OFFICE AND WRITTEN APPROVAL MUST BE TAKEN BEFORE USING THOSE MATERIALS AT SITE.
- READ STRUCTURAL DRAWING IN CONJUNCTION WITH ARCHITECTURAL, SANITARY & ELECTRICAL DRAWING. REPORT ANY DISCREPANCIES TO THE SITE ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION. ANY CONFLICT BETWEEN SPECIFICATION & DRAWING SHALL BE LIKEWISE REPORTED.
- CONTRACTORS SHALL BE RESPONSIBLE FOR CHECKING FIELD DIMENSION AND SITE CONDITIONS.
- NO MEASUREMENT SHALL BE DIRECTLY TAKEN FROM THE PRINT. WRITTEN DIMENSIONS SHALL BE FOLLOWED.

B. FOUNDATION :

- FOUNDATION SHALL BE ON UNDISTURBED SOIL.
- SOIL BEARING CAPACITIES SHALL BE VERIFIED IN THE FIELD. NOTIFY ENGINEER IMMEDIATELY OF ANY SOFT POCKETS OR ADVERSE SOIL CONDITIONS.
- PLACING OF FOUNDATION CONCRETE SHALL BE DONE AS SOON AS EXCAVATIONS HAVE BEEN COMPLETED & APPROVED BY THE SITE ENGINEER.
- SOIL BEARING CAPACITY NOT TO BE LESS THAN 100kN/m² AS PER DESIGN ASSUMPTION. IN CASE OF ANY DISCREPANCY ENGINEER SHALL BE NOTIFIED.

C. CONCRETE AND REINFORCING STEEL

- CAST IN SITU CONCRETE SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE CUBE STRENGTH OF 25 MPa AS SPECIFIED.
 - USE M20 GRADE CONCRETE IN COLUMNS, BEAMS, SLAB, FOUNDATION & STAIRCASE
 - USE M10 GRADE CONCRETE FOR PCC WORKS
- REINFORCING STEEL SHALL BE TOR STEEL BARS HAVING A MINIMUM STRENGTH OF 500 MPa & CONFORMING TO IS 1786:1985
- COVER TO MAIN REINFORCING STEEL BE IN ACCORDANCE WITH IS 456:1978 AND AS SPECIFIED ON STRUCTURAL DRAWINGS.
 - FOR CONCRETE MEMBERS IN CONTACT WITH SOIL = 2"
 - FOR LONGITUDINAL (VERTICAL) BARS IN COLUMN = 1.5"
 - FOR MAIN BARS IN BEAMS = 1"
 - FOR OUTER BARS IN SLAB & STAIRCASE = 3/4"
- PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT STEEL IN SLAB.
- THE CEMENT USED SHALL BE ORDINARY PORTLAND CEMENT CONFORMING TO IS 11269:1987.
- BARS IN COLUMNS SHALL BE SPLICED ONLY AT MID HEIGHT OF COLUMN, 50% ONLY AT A TIME / ALTERNATIVE FLOOR (JOINT).
- BARS SPLICING IN BEAM SHALL BE AVOIDED IN THE SPAN WHERE INTERMEDIATE BEAM IS CONNECTED AND SHALL BE ONLY AS SHOWN ON DWG.
- DEVELOPMENT / LAP LENGTH (L_d) FOR BARS.
 - For M20 & Fe500 - PROVIDE 60 Ø
 - For M25 & Fe500 - PROVIDE 50 Ø
 - For M35 & Fe500 - PROVIDE 45 Ø
- PROVIDE SHEAR REINFORCEMENT AT 4" C/C AT LAP LOCATIONS, SPACER BAR LOCATION AND COLUMN HAVING SHORT COLUMN EFFECT.

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|------------------------------------------------------|--------------------------------------|------------------------------------|------------------------------|
| OWNER NAME: MARIE STOPES SERVICES PVT. LTD | | SIGNATURE: | |
| PROJECT TYPE: RESIDENTIAL | LOCATION: BALUWATAR, KMC-4 | AREA: 137.12 SQ.M 1475.95 SQ.FT | AS PER SITE 0-4-1-1 |
| SHEET TITLE: STRUCTURAL DETAILS | | 1314.5 SQ.FT | AS PER 0-3-3-1.4 LALPURJA |
| CHECKED BY: K M JOSHI | NEC REGD NO: 591 'A' | SHEET NO: 102-1026-21 | |
| DRAWN BY SAMPURNA MAHARJAN | | PLOT NO: 96 | |
| DATE: Aug 2023 | SCALE: AS SHOWN | KMC REGD NO: 2098 | |
| | | | S-1 |