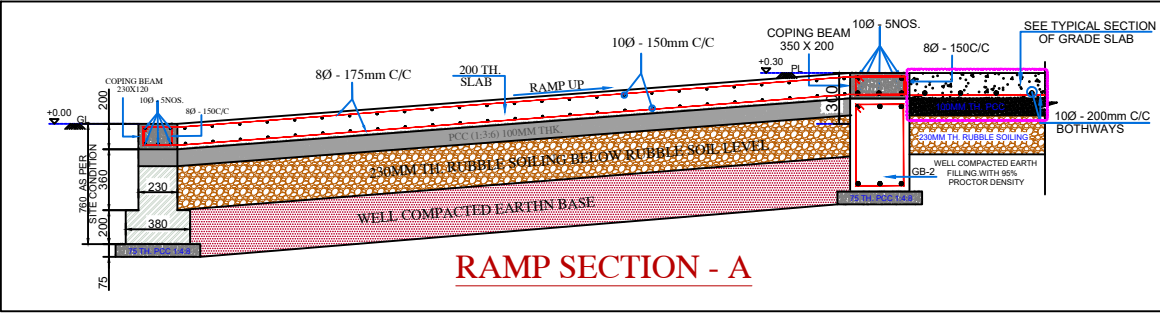
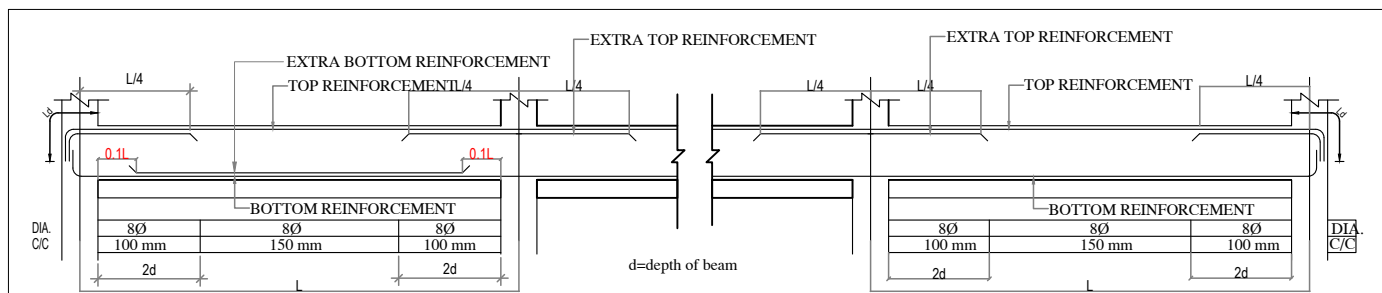


# GROUND BEAM LAYOUT



### GENERAL NOTES:

- ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. DRG. AND ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE BEFORE START OF WORK.
- ANY DRG. SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- THIS SET OF DRAWINGS IS THE PROPERTY OF **VISHVAKARMA CONSULTANCY SERVICES PVT.LTD.** NOT TO BE USED OR COPIED WITHOUT HIS PRIOR PERMISSION.
- THE CLIENT WILL BE FULLY RESPONSIBLE FOR CONSTRUCTION, SUPERVISION AND SHALL ENGAGE A FULL TIME TECHNICALLY QUALIFIED ENGINEER ON SITE.
- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL TEMPORARY WORKS INCLUDING PLANKING AND STRUTTING OF TRENCHES AND PLANKING AND SHORING OF WALLS AND

- BUILDINGS ADJACENT TO ANY EXCAVATIONS.
  - STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR QUALITY & QUANTITY OF MATERIAL MISUNDERSTANDING OF DRAWINGS, CURING, SCAFFOLDING, WELDING, FABRICATION AND QUALITY AND SUPERVISION OF WORK.
- R.C.C NOTES**
- CONCRETE SHALL BE OF **M25 GRADE** CONFORMING TO IS 456 WITH AGGREGATE OF MAXIMUM 20mm.
  - # DENOTES HYSD BAR Fe 500 GRADE CONFORMING TO IS 1786.
  - REINFORCEMENT SHALL BE BENT AND FIXED IN ACCORDANCE WITH PROCEDURE SPECIFIED IN IS 2502.
  - LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR.
  - ALL CONC. TO BE MACHINED MIXED AND MACHINE VIBRATED.

- SHUTTERING REMOVAL SHALL BE DONE UP VERTICAL FACE OF COLUMN= **1 DAY** SLAB SPANNING UP TO 15' OR 4.5M = **7 DAY** BEAM SPANNING UP TO 20' OR 6.0M = **14 DAY** BEAM SPANNING MORE THAN 20' OR 6.0M = **21 DAY** FOR SLAB PONDING METHOD, WRAP JUTE BAGS AROUND COLUMNS, AND WETTING 3 TIMES A DAY FOR BRICK WALLS.
- NO CONSTRUCTION OR STORAGE OF MATERIAL SHALL BE DONE ON R.C.C ELEMENT FOR 28 DAYS FROM DATE OF CASTING.
- ALL 230 TH. BRICK WORK SHALL BE DONE IN 1:6 CEMENT MORTAR 115 TH. MASONRY SHALL BE DONE IN 1:4 CEMENT MORTAR.
- PROVIDE STANDARD CHAIR AT LEAST 1 FOR EACH 1 SQ. MT AREA IF NEED.

- STAGGERED LAPING OF 50% COLUMN BARS ALLOWED ONLY AT CENTER HALF MID STOREY HEIGHT.
  - ALL FOOTING SHOULD BE AT SAME LEVEL.
  - USE GOOD YELLOW SOIL AND SAND FOR BACK FILLING.
  - CLEAR COVER TO MAIN REINFORCEMENTS SHALL BE AS FOLLOWS:  
50 MM FOR FOUNDATION (2 INCH)  
40 MM FOR COLUMNS (1.5 INCH)  
20 MM FOR BEAMS & 15 MM FOR LINTELS & CHAJJA(1 INCH)  
45 MM FOR WATER RETAINING ELEMENTS (0.5 INCH)
- IMPORTANT NOTES:-**
- CONCRETE - **M25**  
**CONSIDER M30 GARDE FOR GRADE SLAB**
  - ALL STEEL - TMT BARS ( Fe:500)

Basic development length.

DIA	DEVELOPMENT LENGTH
10 mm	570 mm
12 mm	684 mm
16 mm	912 mm
20 mm	1140 mm
25 mm	1425 mm
32 mm	1824 mm

**BID DRAWING -- NOT FOR CONSTRUCTION WORK**

REV	DESCRIPTION	DATE

**PROJECT DETAIL:**  
OPEN STORAGE SHED - 1

**LOCATION:**  
MANGROL, SURAT

**VISHVAKARMA CONSULTANCY SERVICES PVT.LTD.**  
PROJECT CONSULTANTS & CHARTERED ENGINEERS

"ADITI", A/5, TILAK PARK, OPP. SANGAM SOC HARNI ROAD, VADODARA - 390022  
PHONE : 0265 - 2461029, 2481167

E MAIL- ID- project.vcsp@gmail.com

**DRAWING TITLE:**  
DETAILS OF GROUND BEAM LAYOUT OF OPEN SHED - 1

DRAWING NO	DESIGN	DRAWN	CHECK.
ST-01	B.P.	B.P.	V.V.P

REVIS.	SHEET	SCALE:	SIZE:
00	1 OF 1.	1:1	A2

STR-VCS-26-D1-R0 DATE: 23-02-2026