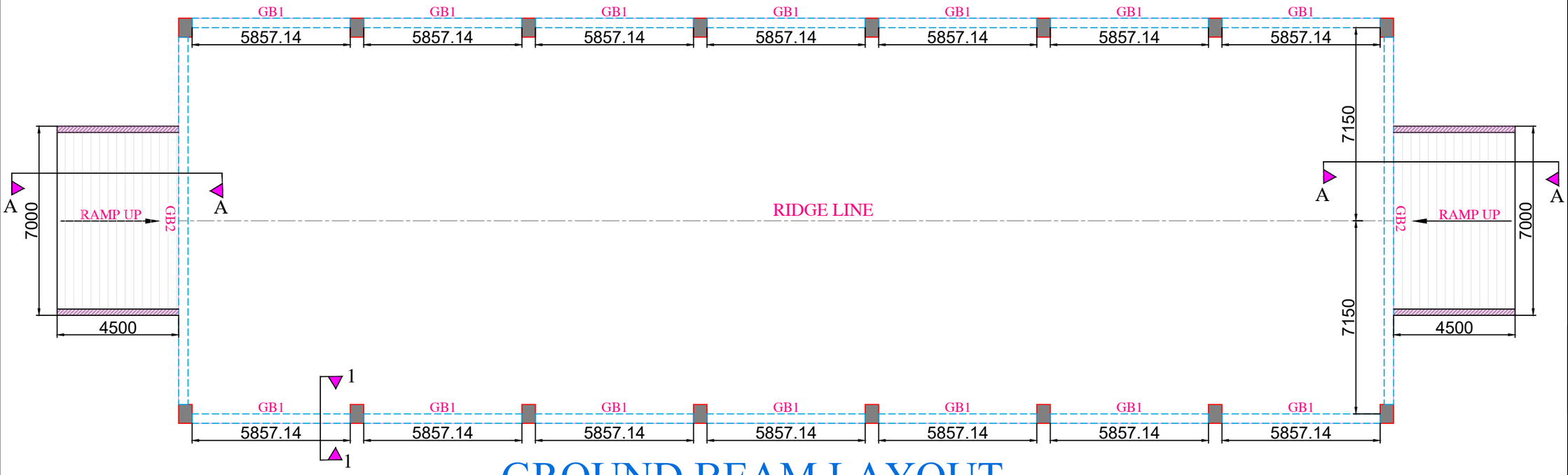
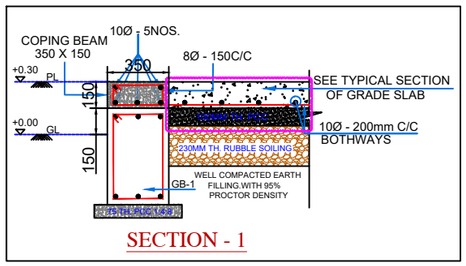
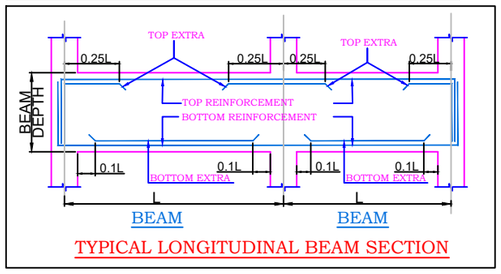


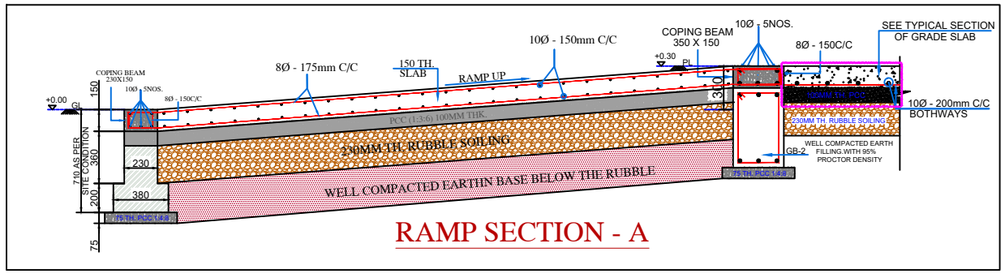
GROUND BEAM LAYOUT



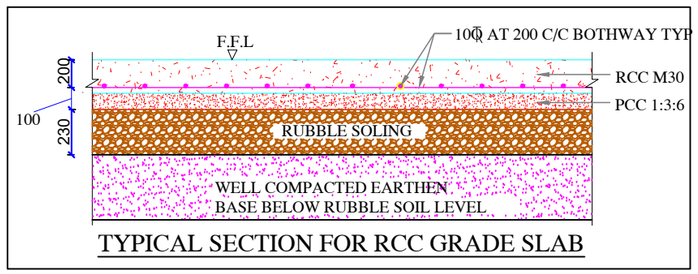
SECTION - 1



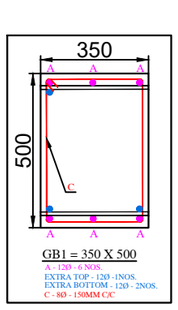
TYPICAL LONGITUDINAL BEAM SECTION



RAMP SECTION - A

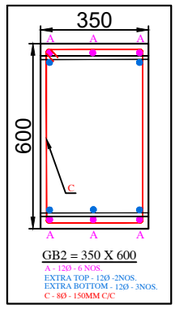


TYPICAL SECTION FOR RCC GRADE SLAB



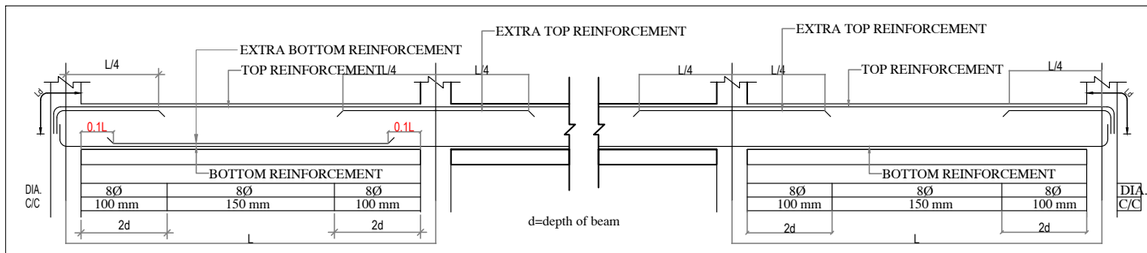
GB1 = 350 X 500

A - 12Ø - 6 NOS.
EXTRA TOP - 12Ø -1NOS.
EXTRA BOTTOM - 12Ø - 2NOS.
C - 8Ø - 150MM C/C



GB2 = 350 X 600

A - 12Ø - 6 NOS.
EXTRA TOP - 12Ø -2NOS.
EXTRA BOTTOM - 12Ø - 3NOS.
C - 8Ø - 150MM C/C



TYPICAL DETAILS OF STIRRUPS FOR BEAM PLAN

GENERAL NOTES:

1. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. DRG. AND ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE BEFORE START OF WORK.
2. ANY DRG. SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THIS SET OF DRAWINGS IS THE PROPERTY OF VISHVAKARMA CONSULTANCY SERVICES PVT.LTD. NOT TO BE USED OR COPIED WITHOUT HIS PRIOR PERMISSION.
4. THE CLIENT WILL BE FULLY RESPONSIBLE FOR CONSTRUCTION, SUPERVISION AND SHALL ENGAGE A FULL TIME TECHNICALLY QUALIFIED ENGINEER ON SITE.
5. 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.
6. 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

1. CONCRETE SHALL BE OF M25 GRADE CONFORMING TO I.S 456 WITH AGGREGATE OF MAXIMUM 20mm.
2. # DENOTES HYSD BAR Fe 500 GRADE CONFORMING TO IS 1786.
3. REINFORCEMENT SHALL BE BENT AND FIXED IN ACCORDANCE WITH PROCEDURE SPECIFIED IN IS 2502.
4. LAP LENGTH SHALL BE 50 TIMES DIA. OF BAR.
5. ALL CONC. TO BE MACHINED MIXED AND MACHINE VIBRATED.
6. SHUTTERING REMOVAL SHALL BE DONE UP
   VERTICAL FACE OF COLUMN= 1 DAY
   SLAB SPANNING UP TO 15' OR 4.5M = 7 DAY
   SLAB SPANNING MORE THAN 15' OR 4.5M = 14 DAY
   BEAM SPANNING UP TO 20' OR 6.0M = 14 DAY
   BEAM SPANNING MORE THAN 20' OR 6.0M = 21 DAY
7. FOR SLAB PONDING METHOD, WRAP JUTE BAGS AROUND COLUMNS, AND WETTING 3 TIMES A DAY FOR BRICK WALLS.
8. NO CONSTRUCTION OR STORAGE OF MATERIAL SHALL BE DONE ON R.C.C ELEMENT FOR 28 DAYS FROM DATE OF CASTING.
9. ALL 230 TH. BRICK WORK SHALL BE DONE IN 1:6 CEMENT MORTAR 115 TH. MASONRY SHALL BE DONE IN 1:4 CEMENT MORTAR.
10. PROVIDE STANDARD CHAIR AT LEAST 1 FOR EACH 1 SQ. MT AREA IF NEED.
11. STAGGERED LAPING OF 50% COLUMN BARS ALLOWED ONLY AT CENTER HALF MID STOREY HEIGHT.
12. ALL FOOTING SHOULD BE AT SAME LEVEL.
13. USE GOOD YELLOW SOIL AND SAND FOR BACK FILLING.
14. 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)

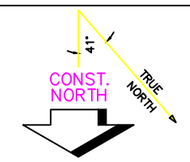
IMPORTANT NOTES:-

CONCRETE - M25
CONSIDER M30 GARDE FOR GRADE SLAB

1. ALL STEEL - TMT BARS (Fe:500)

Basic development length.

DIA	DEVLOPMENT 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 - 2

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.vcspl@gmail.com

DRAWING TITLE:
DETAILS OF GROUND BEAM LAYOUT OF OPEN SHED -2

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-D2-R0

DATE:
23 - 02 - 2026