

**\* NOTES:**

- \* FOR DETAIL DIMENSIONING AND ANY ARCHITECTURAL DETAIL, ONLY FOLLOWS ARCHITECTURAL DRAWING CAREFULLY OR IN ANY DISCREPANCY CONTACT US IMMEDIATELY. DO NOT SCALE THE STRUCTURAL DRAWING FOR DIMENSION.
- \* REINFORCEMENT AND CENTERING SHALL BE CHECKED AND VERIFIED, BEFORE CONCRETING.
- \* CONCRETE GRADE WILL BE MAINTAIN THROUGH OUT THE PROJECT BY CONTRACTOR.
- \* MINIMUM CURING TIME FOR ANY STRUCTURAL MEMBER SHALL BE 7 DAYS.
- \* STRIPPING TIME OF D/FH, MEMBER ARE GIVEN BELOW STRUCTURAL MEMBERS
- [A] 7 DAYS ..... SLAB BOTTOM
- [B] 14 DAYS ..... BEAM BOTTOM SPAN < 4.5 M
- [C] 21 DAYS ..... BEAM BOTTOM SPAN > 4.5 M
- [D] 24 HOURS ..... ALL VERTICAL SIDE OF COLUMNS, BEAMS
- \* CLEAR COVER
- 20 MM ..... FOR SLAB BOTTOM & TOP (UP TO 125 MM THICK)
- 40 MM ..... FOR COLUMN SIDES (230\*/WIDE)
- 25 MM ..... FOR BEAM TOP & BOTTOM
- 25 MM ..... FOR BEAM SIDE (230 MM WIDE)
- 12.5 MM ..... FOR BEAM SIDE (115 MM WIDE)
- \* TOP REINFORCEMENT FOR CANTILEVER BEAM SHALL BE EXTEND IN TO ADJ. BEAM OR SUPPORT OR EQUAL LENGTH OF CANTILEVER BEAM.
- \* FOR CONCRETING OF ANY COMPONENT, FREE FALLING HEIGHT FOR SHALL NOT BE MORE THAN 1.5 m.
- \* CONSTRUCTION JOINT SHALL BE HACKED AND RICH MIX IS APPLIED AT JOINT BEFORE NEXT CONCRETE WORK WITH CONSTRUCTION JOINT.
- \* ALL CONTINUOUS STRUCTURAL COMPONENT SHALL BE CASTED AT A SAME DAY.
- \* NO. FORMWORK SHALL BE REST ON SOIL BASE. USE PROPER METHOD FOR FORMWORK.
- \* MAINTAINING OF PROPOSED CONCRETE GRADE AT SITE IS TOTALLY RESPONSIBILITY OF CONTRACTOR/DEVELOPERS
- \* DO NOT LAP BOTTOM BARS AT MID SPAN AND TOP BARS NEAR SUPPORT IN BEAMS.
- \* DO NOT LAP MORE THEN 50 % BARS AT ONE SECTION IN COLUMNS
- \* DO NOT CAST R.C.C. WORK WITHOUT PROPER COVERING. USE STANDARD PRECAST COVER FOR COVERING.
- # THIS INDICATE TOP STEEL.
- \* USE OF STEEL SPACER PINS IS PREFERABLE.

**\* LEVEL, HEIGHT & ELEVATION TREATMENT AS PER ARCHITECTURE DRAWING.**

**\* FOOTING SCHEDULE (M20 /FES500/FES500D):**

L	#10 - 175 c/c
B	#10 - 175 c/c
D	380
R.C.C.	1350 x 1200
P.C.C.	1650 x 1500
COLUMN NO.	C1 to C12
MARKED	REGULAR
<b>* COLUMN SCHEDULE (M20 /FES500/FES500D):</b>	
COLUMN NO.	C1 to C12
GB TO BRTS CABIN TOP	230 X 380
STEEL	8 - #12
RING	#8 -150 MM C/C
COLUMN BELOW GB / PB	230 X 380
STEEL	8 - #12
RING	#8 -150 MM C/C

SLAB NO.	SLAB THK.	MAIN STEEL II TO SHORT SPAN	DISTRIBUTION STEEL II TO LONG SPAN	EXTRA AT DISCONTINUOUS EDGE	REMARK
S1	115	#8, 150 c/c ALT. BENT UP	#8, 175 c/c ALT. BENT UP	#8 - 300 c/c & #8 - 350 c/c @ L/A FROM BEAM SUPPORT	TWO WAY
S2	150	#10, 150 c/c ALT. BENT UP	#10, 175 c/c ALT. BENT UP	#8 - 300 c/c & #8 - 350 c/c @ L/A FROM BEAM SUPPORT	TWO WAY

**\* BEAM SCHEDULE (M25, Fe500/Fe500D) :-**

BEAM NO.	SIZE	BOTTOM BARS	TOP BARS	STIRRUPS
B1	230	380	3-#12	#8 - 100 C/C
B2	230	380	2-#12 + 1-#10	#8 - 100 C/C
B3	230	300	2-#12	#8 - 100 C/C
B4	230	450	2-#16 + 1-#12	#8 - 100 C/C
B5	230	450	3-#12	#8 - 100 C/C

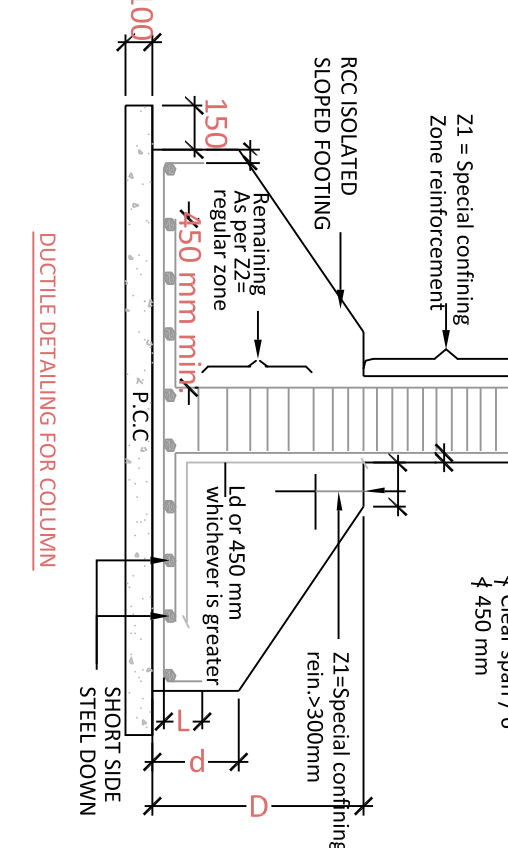
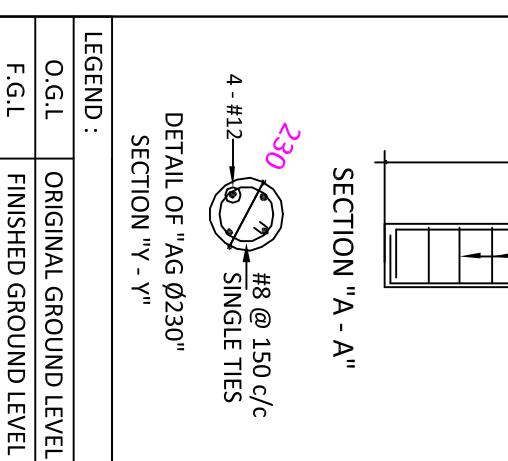
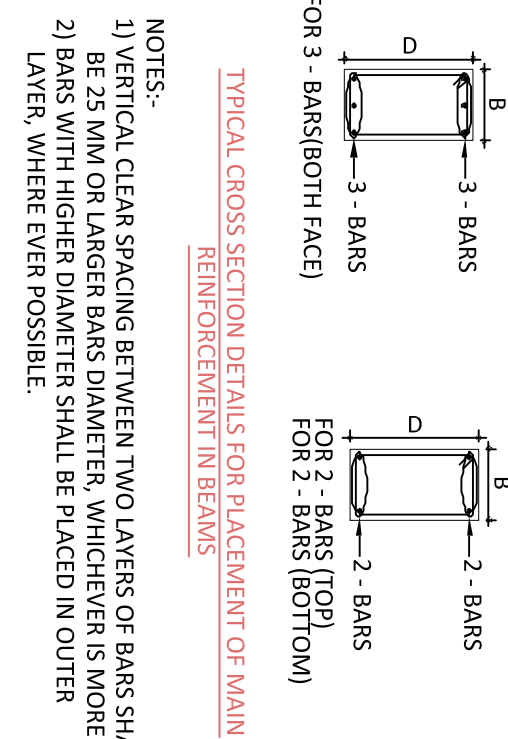
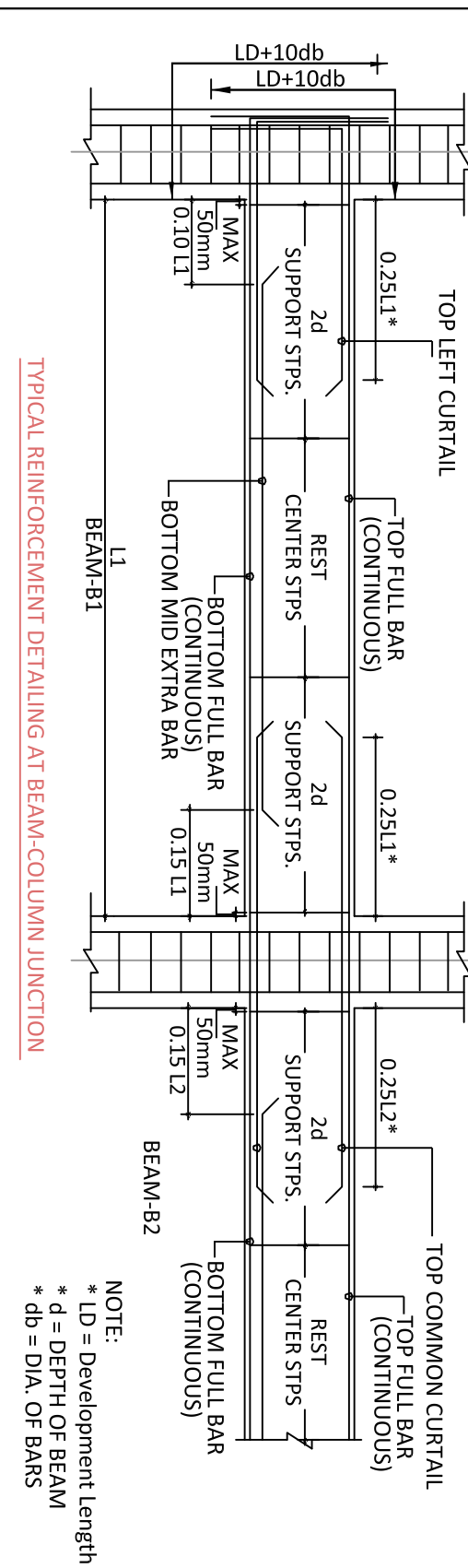
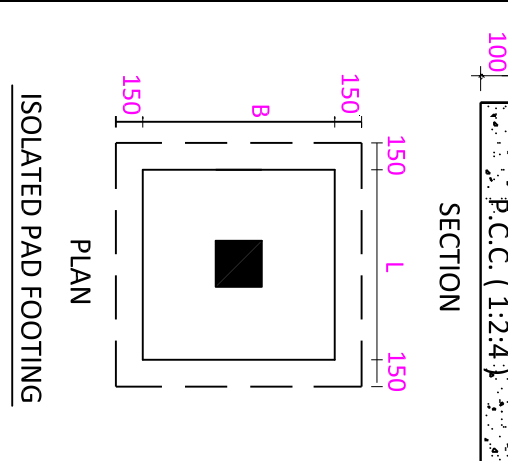
NOTES :-  
Extend top bars of cantilever beam up to equal length of cantilever/Development length which ever is more.  
Extra bar As Per The plan detail  
"GB" Indicates Ground beam, "V" Indicates Depth of beam.

**TYPICAL DETAILS OF TOP/BOTTOM BAR DISCONTINUES AT COLUMN JOINT**

**TYPICAL DETAILS OF BEAM DEPTH VERIFIES AT COLUMN JOINT**

**LAP LENGTH AT LOCATION OF SPLICING OF LONGITUDINAL BARS IN BEAM**

**SCHEMATIC SECTION OF TYRE MANUFACTURE**



**COPY FOR EXECUTION**

**CLIENT** AGENCY PMCT/P.1.

**NO.** DATE REVISION

**ISSUE STAMP**

**NOTES:**

\* CONCRETE GRADE : M25

\* STEEL GRADE : FES500/FES500D

\* P.C.C. THICKNESS 100 MM (1:2:4)

\* GRADE SLAB 100MM THK.(1:2:4)(M15)

\* 8# - 200MM C/C BOTHWAY.

\* ALL DIMENSION ARE IN MM UNLESS OTHERWISE SPECIFIED.

\* S.B.C. IS ASSUMED AS 18.00 T/SQ.MT. AT 3.0 MT DEPTH BELOW EXISTING GROUND LEVEL.

\* MASONARY CONSIDERED AS RED BRICK.

\* THIS BUILDING IS DESIGNED FOR GROUND FLOOR+ 1 FLOOR ONLY NO FUTURE PROVISION CONSIDERED.

**DEPUTY ENGINEER**

**EXECUTIVE / CITY / CHIEF ENGINEER**

**ARCHITECTURE/ENGINEER**

**STRUCTURE CONSULTANT SIGNATURE**

**REVISION DATE:** DATE :- 11 / 12 / 2025

**SCALE :-** N:1.5

**AGENCY:-** SURAT MUNICIPAL CORPORATION (SMC)

**CLIENT:-**

**PROJECT:-** BRTS/CITY BUS DEPOT AT RATNAMALA JUNCTION

**JAYESH A. DALAL**

**PLANNING & ENGINEERING SERVICES PVT LTD**

**DRAWN & DESIGN BY** CHECK BY DRG.NO. PROJ.NO.

**VINOD KATHIRKA** JAYESH A. DALAL BB-01 30/1/25