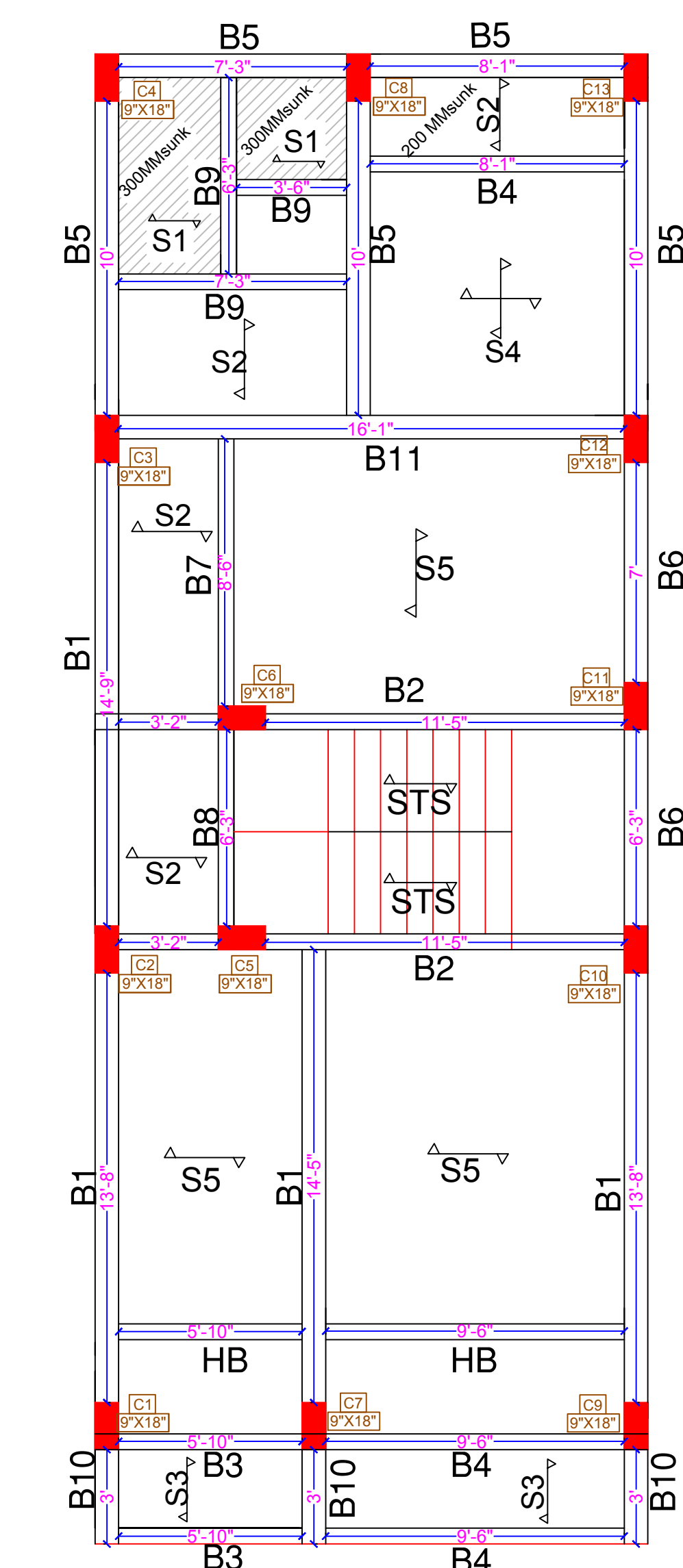
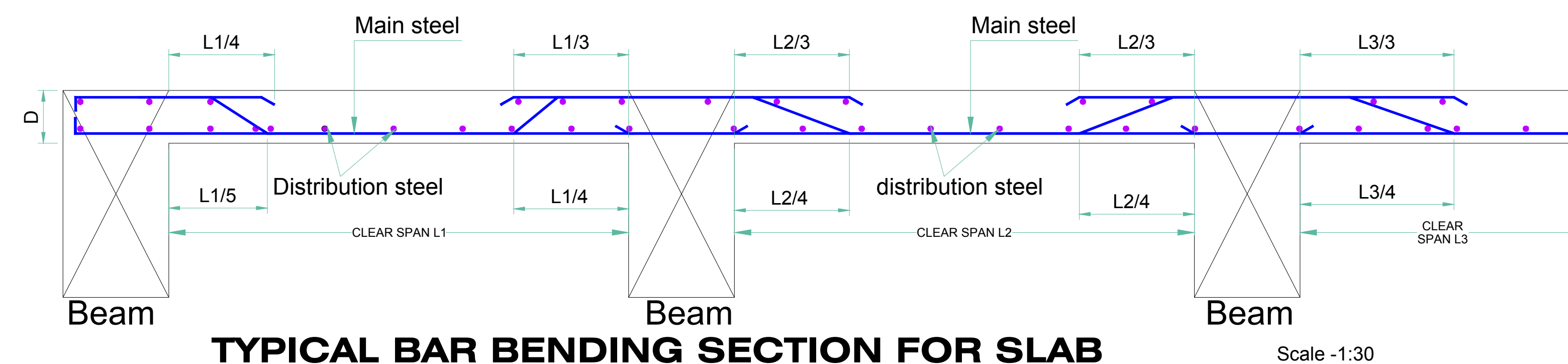
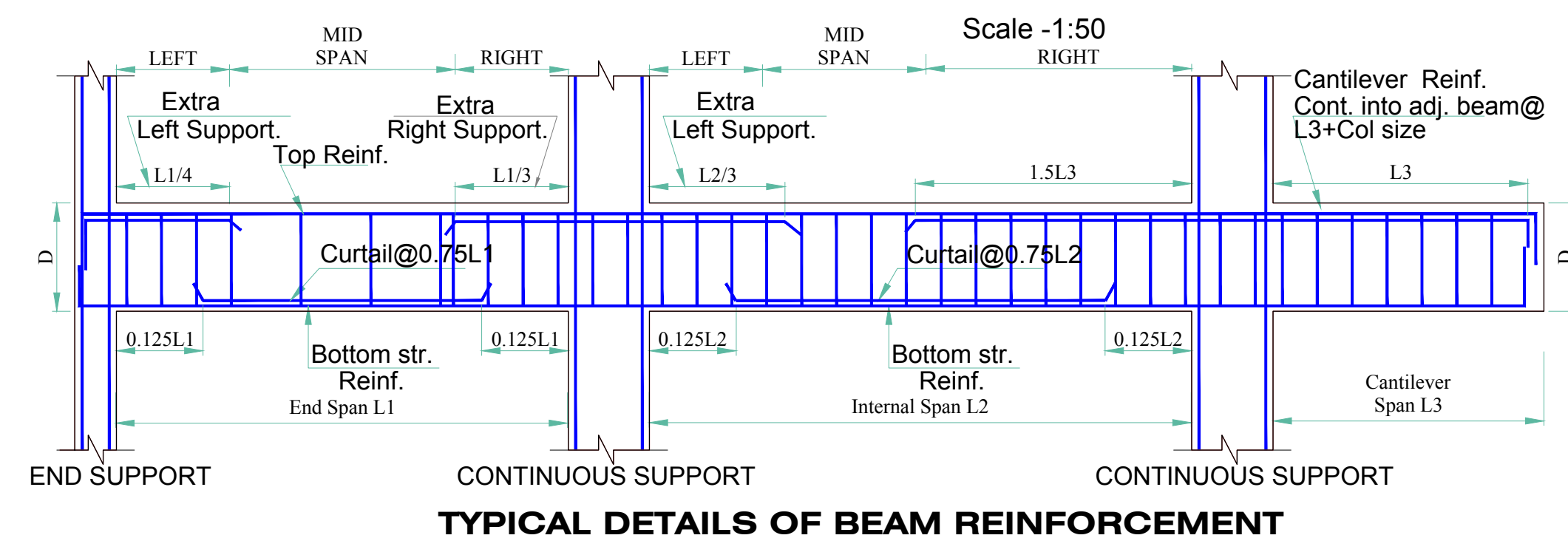
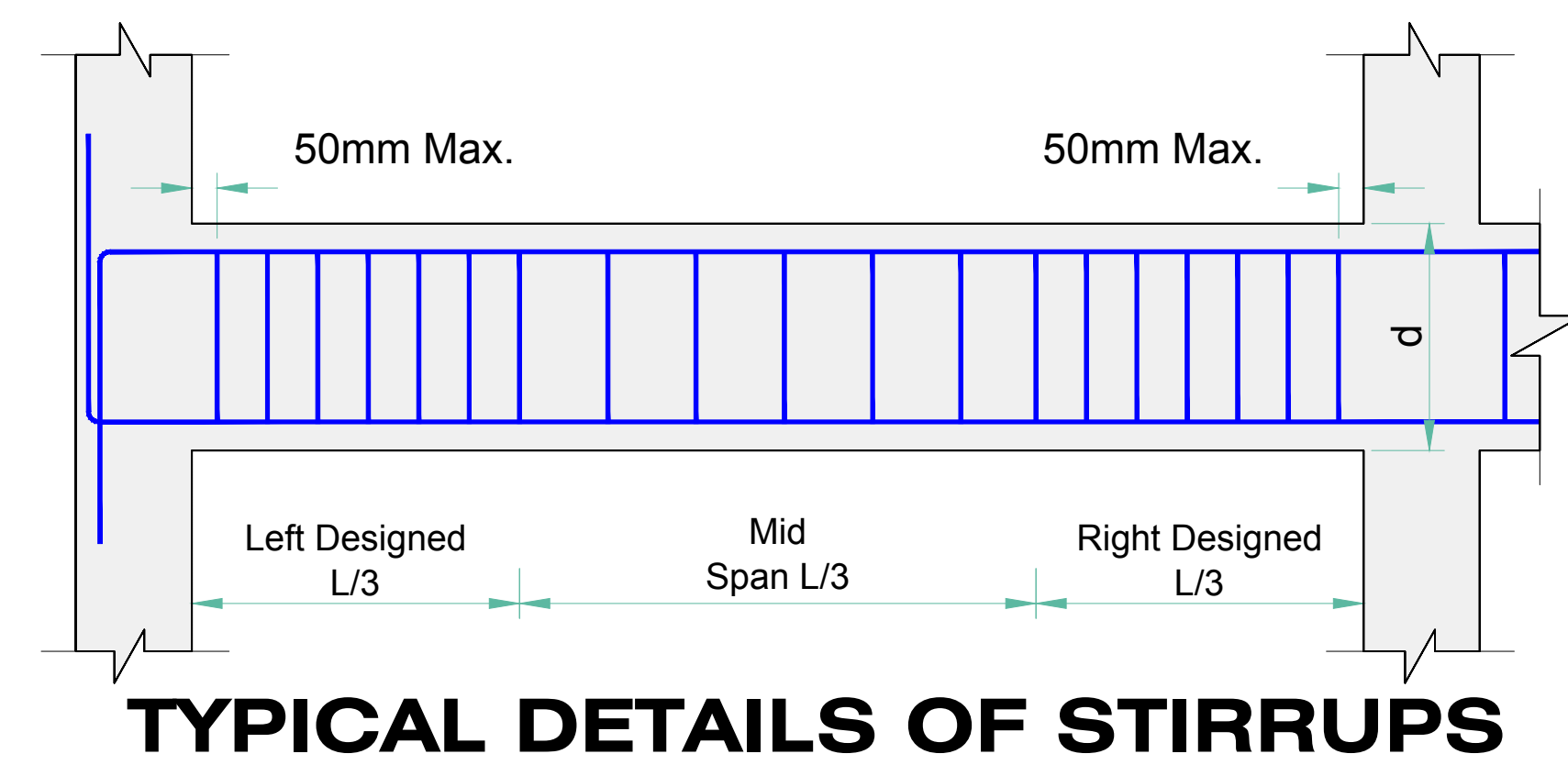
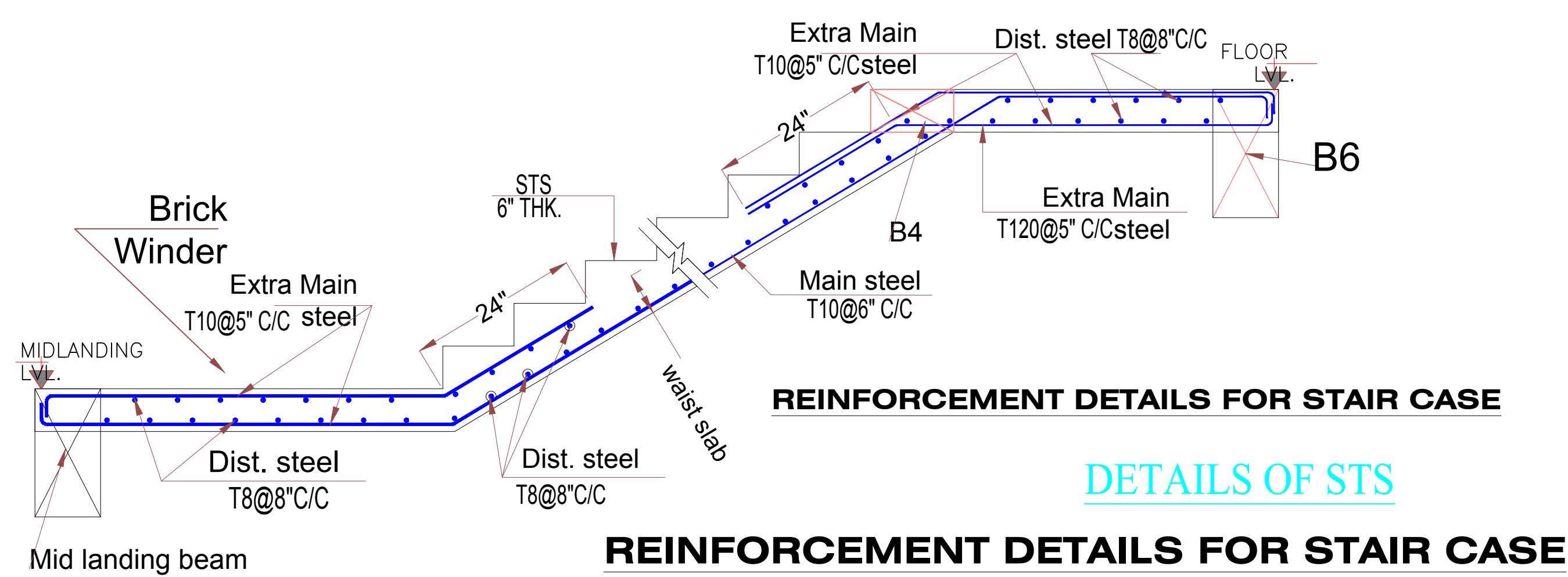
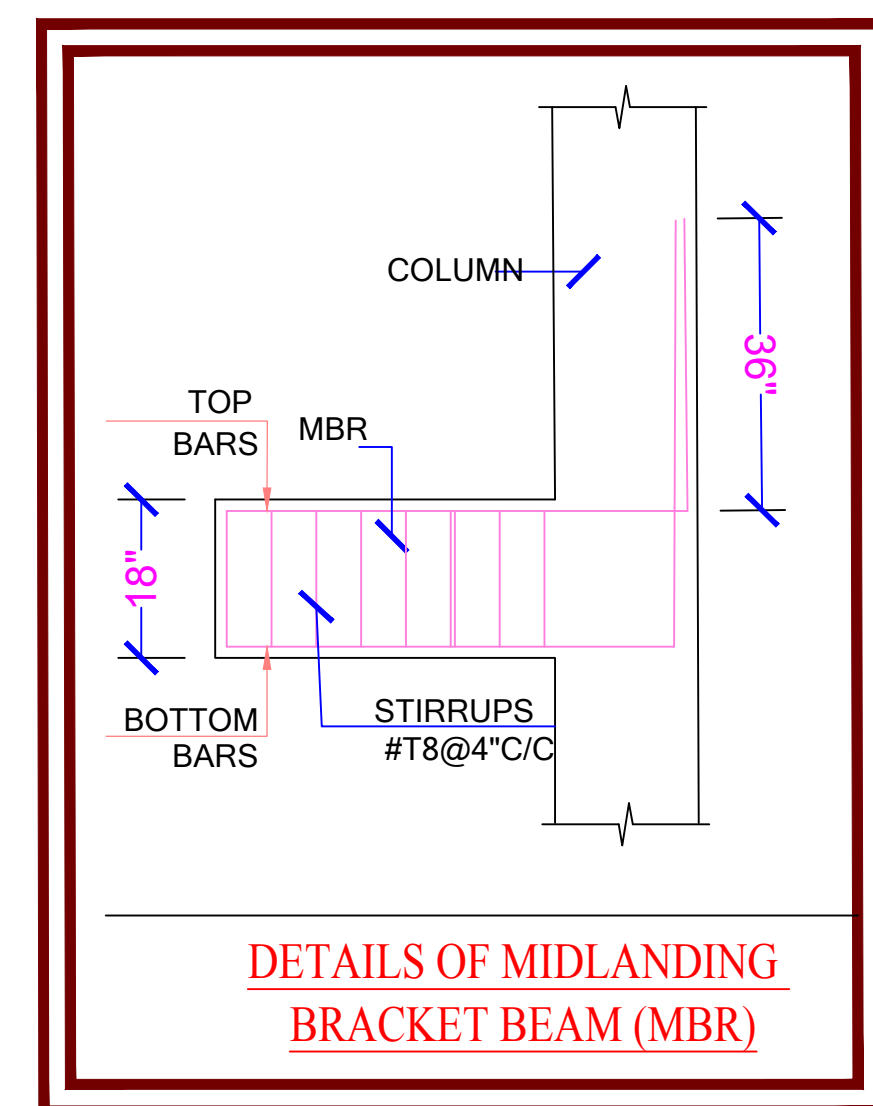


BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS		REMARKS
	B	D	STRAIGHT	CURTAILED @ 0.75 L	STRAIGHT	EXTRA LEFT@ L/3	EXTRA RIGHT @L/3	LEFT / RIGHT @L/3 SUPPORT	MID SPAN @L/3 SUPOORT	
B1	9"	18"	2-T16	2-T12	2-T12	2-T12	2-T12	#T6@5" C/C	#T6@7" C/C	-
B2	6"	18"	2-T12	2-T12	2-T12	2-T12	2-T12	#T6@5" C/C	#T6@7" C/C	-
B3	6"	18"	2-T12	-	2-T10	2-T12	2-T12	#T6@5" C/C	#T6@7" C/C	-
B4	6"	18"	3-T12	-	2-T10	-	-	#T6@5" C/C	#T6@7" C/C	-
B5	9"	18"	3-T12	-	2-T10	2-T12	2-T12	#T6@6" C/C	#T6@6" C/C	-
B6	9"	18"	2-T12	-	2-T10	-	-	#T6@6" C/C	#T6@6" C/C	-
B7,B8	6"	18"	2-T12	-	2-T10	-	-	#T6@6" C/C	#T6@6" C/C	-
B9	6"	18"	3-T12	-	2-T10	-	-	#T6@6" C/C	#T6@6" C/C	-
B10	9"	18"	3-T12	-	3-T16	-	-	#T6@6" C/C	#T6@6" C/C	CANTILEVER BEAM
B11	9"	18"	2-16	2-16	3-T12	2-16	2-16	#T6@6" C/C	#T6@6" C/C	-
mid landing beam satirecase	9"	15"	3-12	-	3-T10	-	-	#T6@6" C/C	#T6@6" C/C	midlanding beam
HB	9"	5"	3-12	-	2-10	-	-	#T6@6" C/C	#T6@6" C/C	-



SCHEDULE OF SLABS OF CONCRETE MIX 20 (1:1.5:3)				
SLAB NO.	SLAB THICK	MAIN STEEL ALONG SHORT SPAN	DIST. STEEL ALONG LONG SPAN	REMARK
S1	5"	T 8 @ 5"c/c All Straight bar	T 8 @ 6" c/c Distribution Steel	One way sunk slab by 8"
S2	5"	T 8 @ 5"c/c All Straight bar	T 8 @ 6" c/c Distribution Steel	One way slab
S3	6"	T 8 @ 6"c/c All Straight bar	T 8 @ 6" c/c Distribution Steel	One way slab ,cantilever slab
S4	5"	T 8 @ 5" c/c Alternate Bent Up	T 8 @ 5" c/c Alternate Bent Up	Two way slab
S5	6"	T 8 @ 6" c/c Alternate Bent Up	T 8 @ 6" c/c Distribution Steel	One way slab
STS	6"	T 8 @ 6"c/c All Straight bar	T 10 @ 5" c/c Alternate Bent Up	Staircase Waist Slab



DRAWING IS VALID FOR DESIGN ADEQUACY									
NOTES : PROVIDED IT IS SIGNED & STAMPED BY OFFICE (REFERENCE FROM IS 456: 2000 IS1893-2016(PART-1),IS 13920-2016									
1. ALL DIMENSIONS ARE IN 'mm' AND ALL LEVELS TO BE REFERRED FROM ARCHITECTURAL DRAWINGS.									
2. CENTER LINE PLAN SHOULD BE CHECKED BY THE ARCH. REFER ARCHITECT'S DRAWING FOR ALL OTHER DETAILS & DIMENSIONS.									
3. FIRE RATING CONSIDERED:- 1 Hour Maximum									
4. NOMINAL COVERS									
					Mild	Moderate			
I FOOTINGS					50	50			
II COLUMNS & WALLS (TO LINKS OF COLUMN)					40	40			
III SLABS					20	25			
IV BEAMS (TO STIRRUPS OF BEAM)					25	30			
5. LAPPING OF REINFORCEMENT:- DEVELOPMENT LENGTH (Ld)									
GRADE OF REINF.		M20	M25	M30	M35	M40 & ABOVE			
Fe415		48 X D	41 X D	38 X D	34 X D	30 X D			
Fe500 (TMT)		57 X D	49 X D	46 X D	40 X D	36 X D			
6. REFER STANDARD DRAWING'S FOR LAP LOCATIONS TO BARS IN BEAMS AND COLUMNS.									
7. IF UNAVOIDABLE,REINF. LAPS FOR BEAMS AND SLABS SHALL BE STAGGERED WITH NOT MORE THAN 50%OF THE BARS SPECIFIED AT A SECTION.									
8. FOR CANTILEVERS (SLAB or BEAM), TOP BARS TO BE ANCHORED BEHIND FOR 75xDIA OR 1.5 X SPAN WHICHEVER IS GREATER.									
9. LINKS IN COLUMN AT COLUMN-BEAM JUNCTION ARE NECESSARY.									
10.WHENEVER THE DIMENTION OF COLUMN GETS REDUCED, TIE BEAM OR PLINTH BEAM IS NECESSARY IN THE SAME DIRECTION.									
11.ALL STRUCTURAL CONCRETE SHOULD BE WEIGH BATCHED, MACHINE MIXED & MECHANICALLY VIBRATED.									
12.MINIMUM PERIOD FOR REMOVAL OF FORMWORK,									
VERTICAL FROMWORK TO COLUMN WALLS					18 Hours				
SOFFIT OF SLAB (UP TO 4.5 M.SPAN)					7 DAYS.				
SOFFIT OF SLAB (OVER 4.5 M. SPAN)					14 DAYS.				
BEAM BOTTOM (UP TO 6.0 M.SPAN)					14 DAYS.				
BEAM BOTTOMS (OVER 6.0 M.SPAN)					21 DAYS.				
IF PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORM WARK,									
SOFFIT OF SLAB					3 DAYS.				
BEAM BOTTOM					7 DAYS.				
13. RESPONSIBILITY REGARDING CORRECT & SOUND CONSTRUCTION SHUTTERING SHALL SOLELY REST WITH CONTRACTOR / OWNER.FOLLOWING GUIDELINE MAY BE USED FOR STRIPPING OF FORMS IN NORMAL CIRCUMSTANCES.									
14. S.B.C. CONSIDERED					300 kN/SQM.				
GRADE OF CONCRETE					M25 (1:1:2)				
GRADE OF STEEL					Fe 500				
ENVIRONMENTAL EXPOSURE CONDITION					MODERATE				
DESIGN LIVE LOAD (UNLESS SPECIFIED)					2 kN/sq.m.				
DESIGN SUPER DEAD LOAD					1 kN/sq.m.				
STRATA SHOULD BE CONFIRMED AS PER SOIL INVESTIGATION REPORT AND R.C.C CONTRACT									
15.	REV.NO.	DESCRIPTION				DATE			
	R0					10.06.2021			
16.NOTES FOR COLUMN Columns and Footings are designed for Ground + 3 FLOOR (4TH SLAB)									
SHEET TITLE: FIRST SLAB BEAM & SLAB STEEL DETAILS									
ENGINEERS NAME: SHIV -OM ENGINEERS Er.VAIBHAV H.GAIKWAD						R.C.C CONTRACT :			
CLIENT:									
Drg. No.	01	SCALE:	NTS	PROJECT:					
Job No.	58	SHEET 01 OF 03							