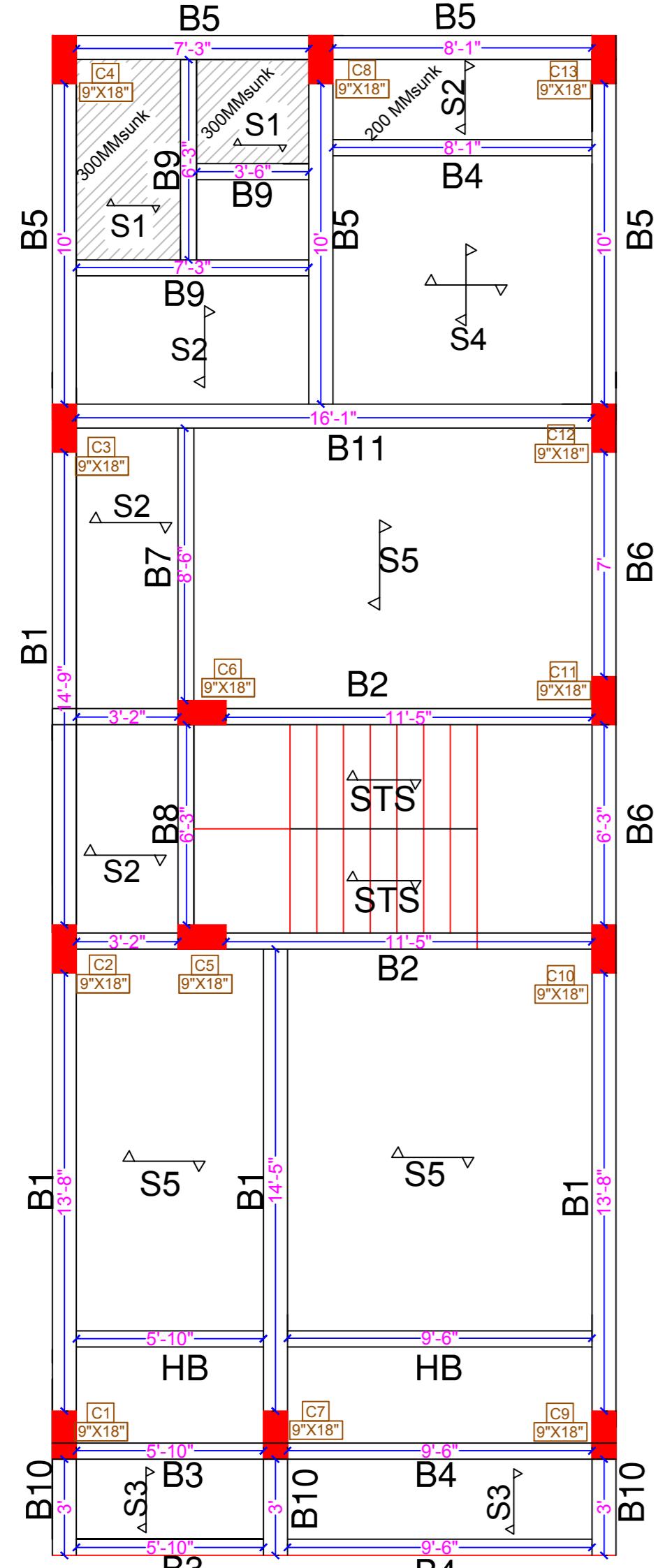
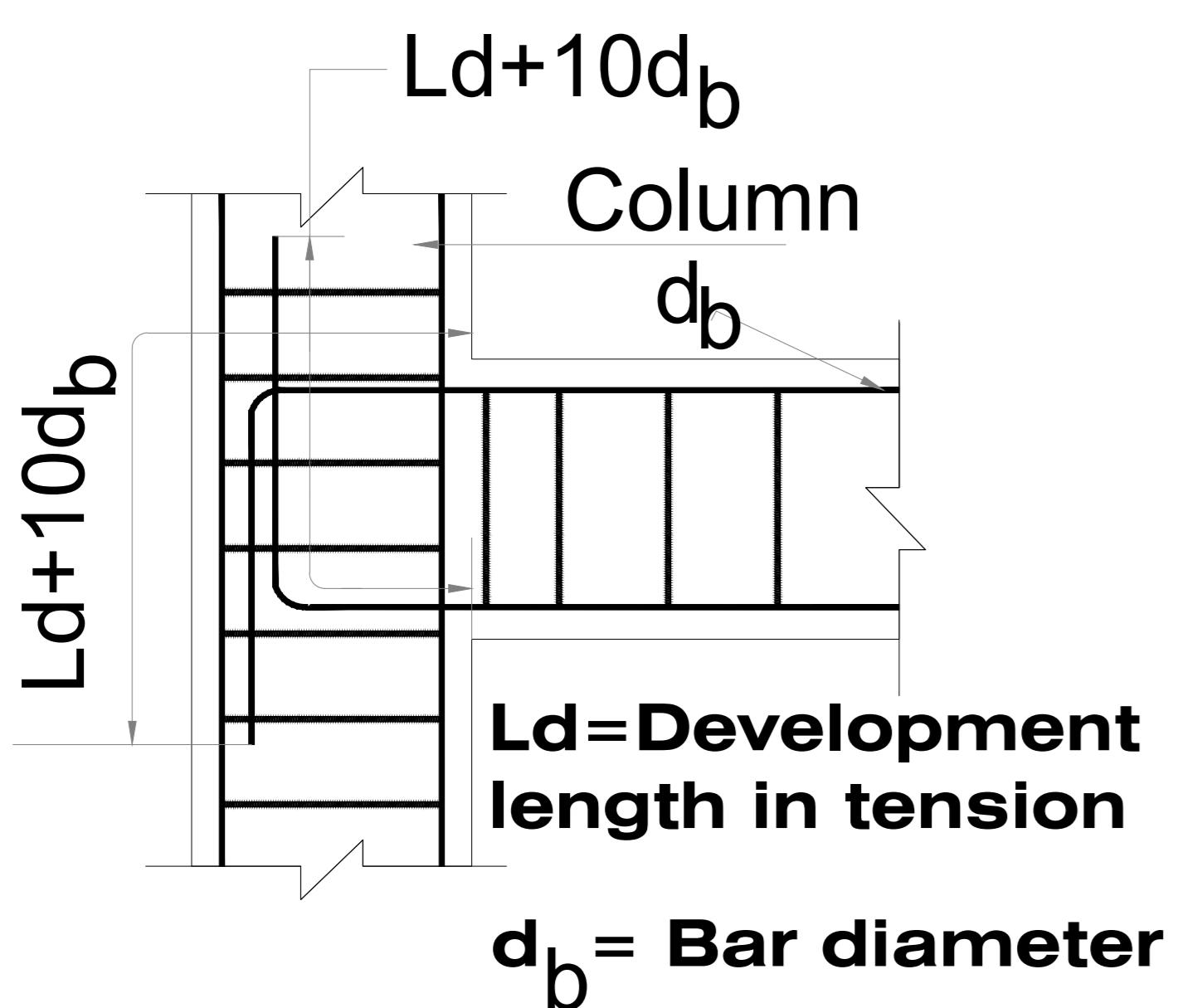


# PLINTH BEAM SCHEDULE

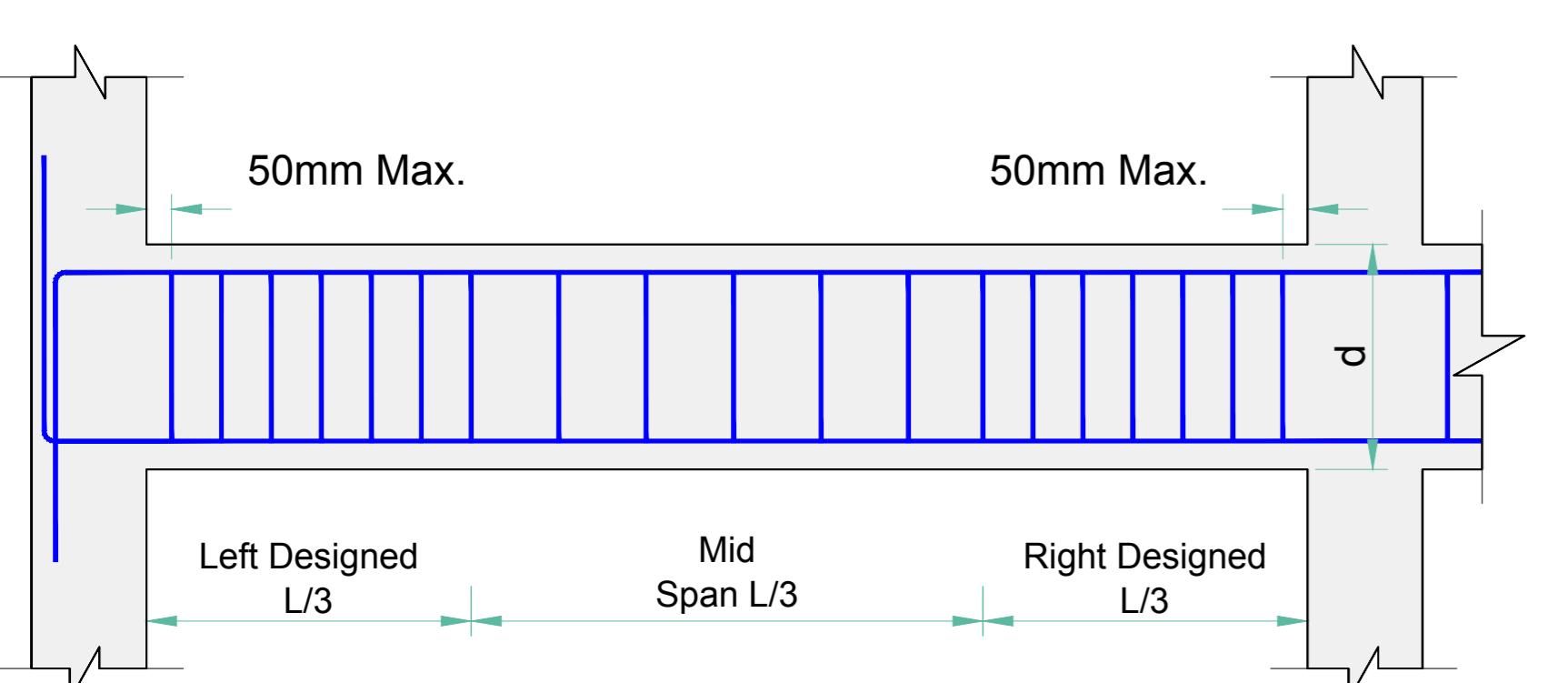


BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT			SHEAR STIRRUPS		REMARKS
	B	D	STRAIGHT	CURTAILED @ 0.75 L	STRAIGHT	EXTRA LEFT @ L/3	EXTRA RIGHT @ L/3	LEFT / RIGHT @ L/3 SUPPORT	MID SPAN @ L/3 SUPPORT	
B1	9"	18"	2-T16	2-T12	2-T12	2-T12	2-T12	#T6@5" C/C	#T6@7" C/C	-
B2	6"	18"	2-T12	2-T12	2-T12	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	-

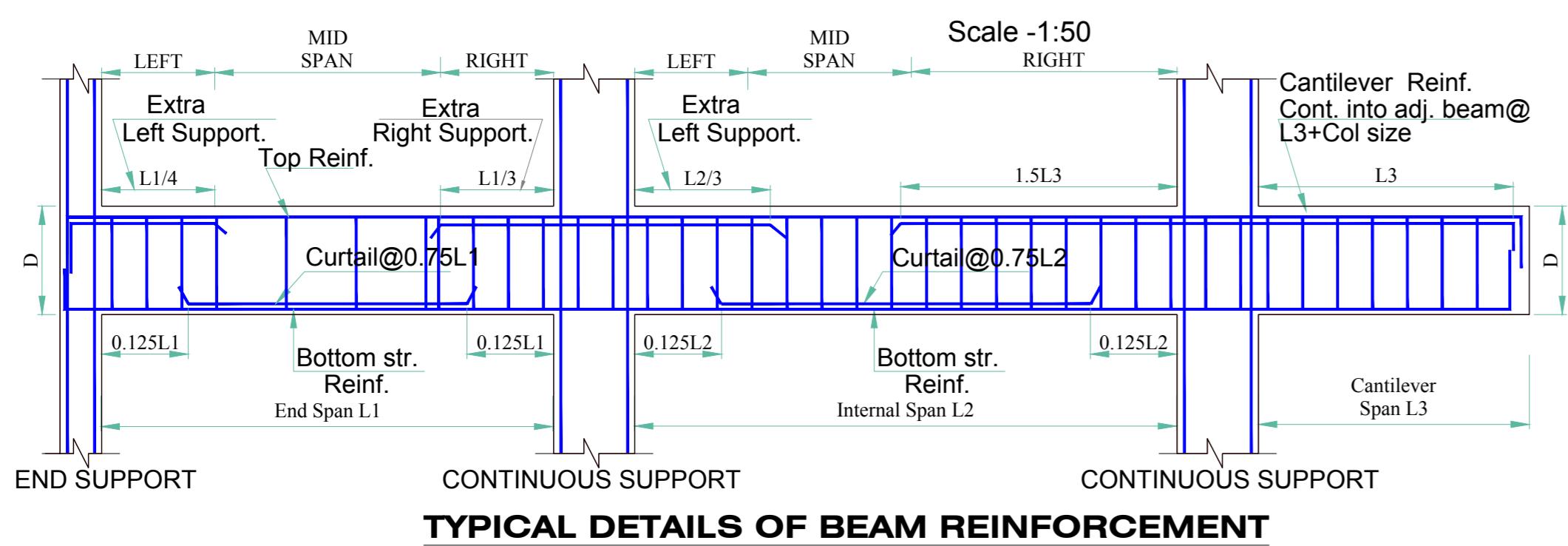


## ANCHORAGE OF BEAM BARS IN AN EXTERNAL JOINT

Scale -1:50

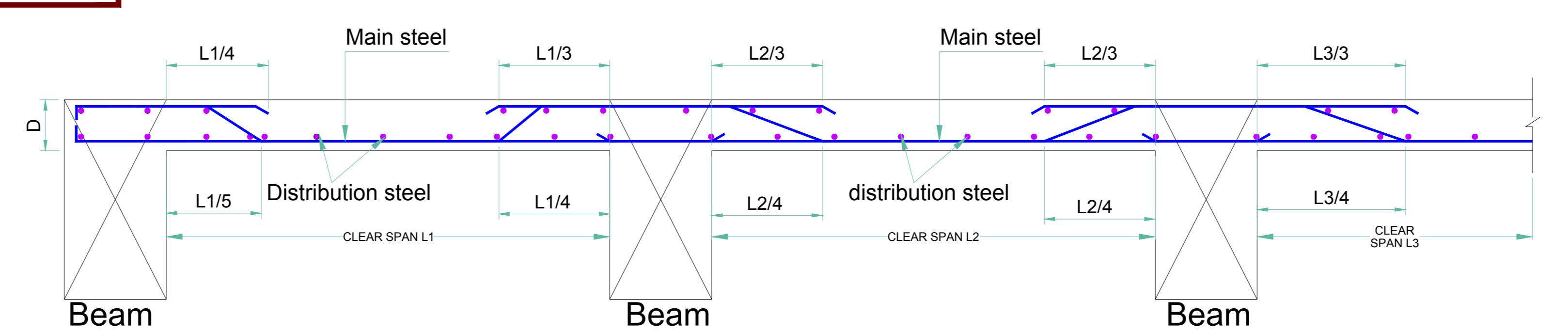


## TYPICAL DETAILS OF STIRRUPS



## TYPICAL DETAILS OF BEAM REINFORCEMENT

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



## TYPICAL BAR BENDING SECTION FOR 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. LAPING 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 FROWKWORK 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.SSPAN) 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