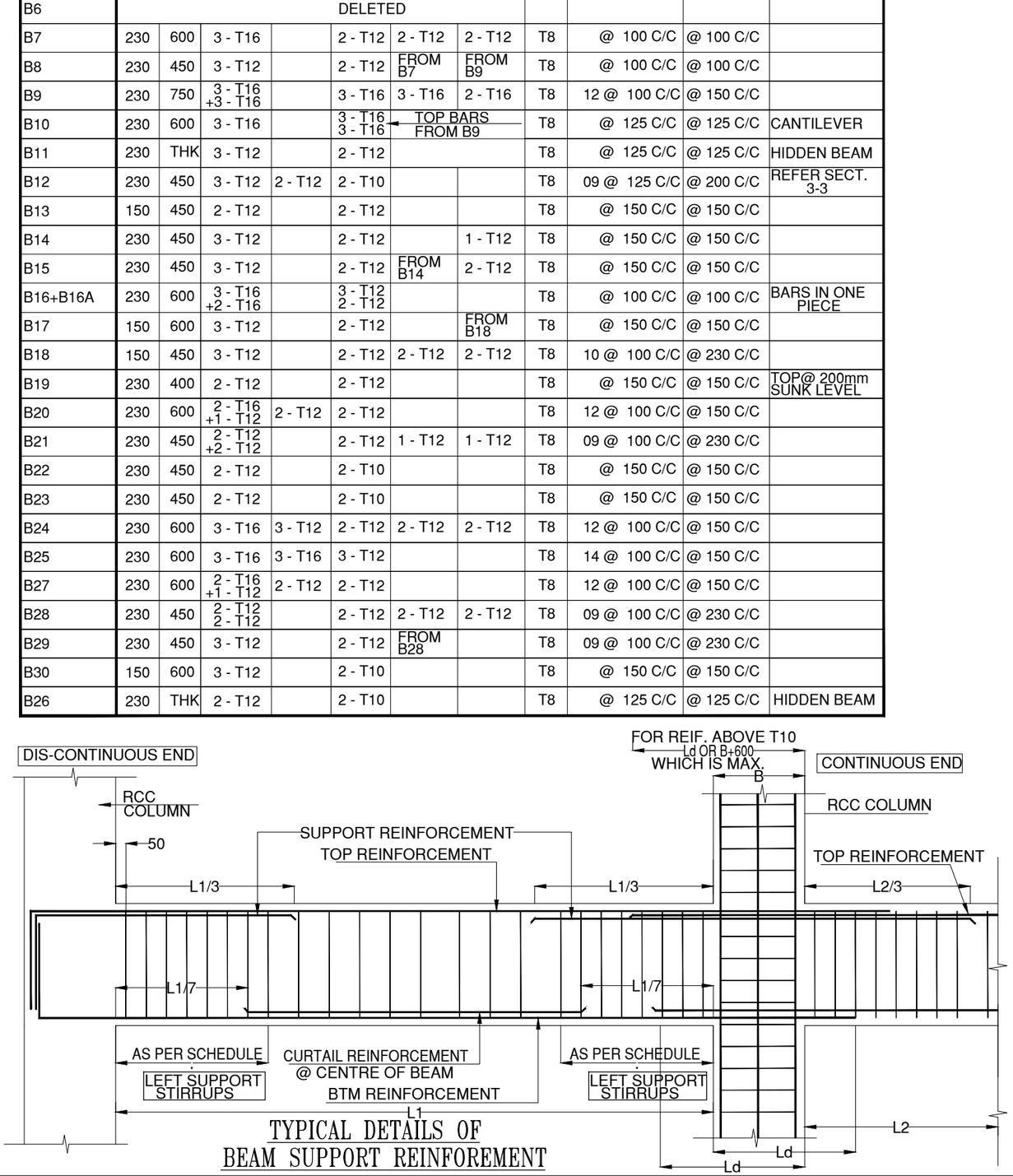
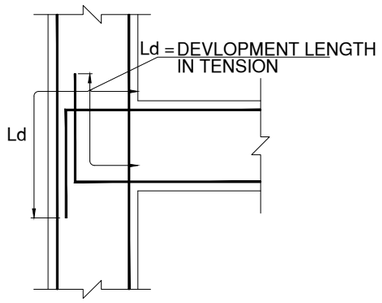
R.C.C. BEAM SCHEDULE

F.A.B-FROM ADJECENT BEAM R.F.T -RETURN FROM TOP

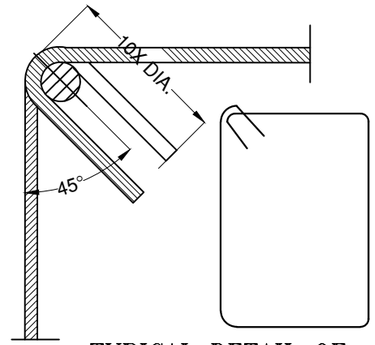
BEAM NOS	OVER ALL SIZE		STEEL AT BOTTOM		TOP			STIRRUPS			REMARKS
	B.	D.	STR.	BTM. CURT.	TOP	EXTRA AT TOP LEFT	EXTRA AT TOP RIGHT	DIA	NOS AND SPACING @SUPPORT	@MID SPAN	
MB	230	D	3 - T12		2 - T12			T8	@ 125 C/C	@ 125 C/C	@ MIDLANDING LEVEL
B1	230	600	2 - T16	R.F.T.	2 - T16 2 - T12			T8	@ 100 C/C	@ 100 C/C	CANTILEVER
B2	230	600	3 - T12		2 - T12	FROM B1	2 - T12	T8	11 @ 100 C/C	@ 230 C/C	
B3+B4	230	600	3 - T16		3 - T16 2 - T16			T8	@ 100 C/C	@ 100 C/C	BARS IN ONE PIECE
B5	230	450	3 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	REFER SECT. 2-2
B6	DELETED										
B7	230	600	3 - T16		2 - T12	2 - T12	2 - T12	T8	@ 100 C/C	@ 100 C/C	
B8	230	450	3 - T12		2 - T12	FROM B7	FROM B9	T8	@ 100 C/C	@ 100 C/C	
B9	230	750	3 - T16 +3 - T16		3 - T16	3 - T16	2 - T16	T8	12 @ 100 C/C	@ 150 C/C	
B10	230	600	3 - T16		3 - T16 3 - T16	TOP BARS FROM B9		T8	@ 125 C/C	@ 125 C/C	CANTILEVER
B11	230	THK	3 - T12		2 - T12			T8	@ 125 C/C	@ 125 C/C	HIDDEN BEAM
B12	230	450	3 - T12	2 - T12	2 - T10			T8	09 @ 125 C/C	@ 200 C/C	REFER SECT. 3-3
B13	150	450	2 - T12		2 - T12			T8	@ 150 C/C	@ 150 C/C	
B14	230	450	3 - T12		2 - T12		1 - T12	T8	@ 150 C/C	@ 150 C/C	
B15	230	450	3 - T12		2 - T12	FROM B14	2 - T12	T8	@ 150 C/C	@ 150 C/C	
B16+B16A	230	600	3 - T16 +2 - T16		3 - T12 2 - T12			T8	@ 100 C/C	@ 100 C/C	BARS IN ONE PIECE
B17	150	600	3 - T12		2 - T12		FROM B18	T8	@ 150 C/C	@ 150 C/C	
B18	150	450	3 - T12		2 - T12	2 - T12	2 - T12	T8	10 @ 100 C/C	@ 230 C/C	
B19	230	400	2 - T12		2 - T12			T8	@ 150 C/C	@ 150 C/C	TOP@ 200mm SUNK LEVEL
B20	230	600	2 - T16 +1 - T12	2 - T12	2 - T12			T8	12 @ 100 C/C	@ 150 C/C	
B21	230	450	2 - T12 +2 - T12		2 - T12	1 - T12	1 - T12	T8	09 @ 100 C/C	@ 230 C/C	
B22	230	450	2 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
B23	230	450	2 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
B24	230	600	3 - T16	3 - T12	2 - T12	2 - T12	2 - T12	T8	12 @ 100 C/C	@ 150 C/C	
B25	230	600	3 - T16	3 - T16	3 - T12			T8	14 @ 100 C/C	@ 150 C/C	
B27	230	600	2 - T16 +1 - T12	2 - T12	2 - T12			T8	12 @ 100 C/C	@ 150 C/C	
B28	230	450	2 - T12 2 - T12		2 - T12	2 - T12	2 - T12	T8	09 @ 100 C/C	@ 230 C/C	
B29	230	450	3 - T12		2 - T12	FROM B28		T8	09 @ 100 C/C	@ 230 C/C	
B30	150	600	3 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
B26	230	THK	2 - T12		2 - T10			T8	@ 125 C/C	@ 125 C/C	HIDDEN BEAM



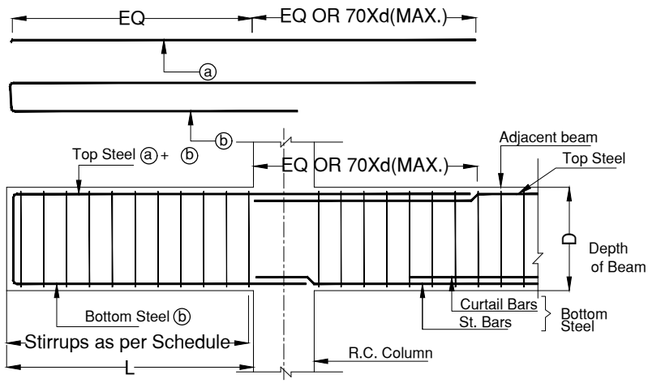
TYPICAL DETAILS OF BEAM SUPPORT REINFOREMENT



ANCHORAGE OF BEAMS IN AN EXTERNAL JOINT



TYPICAL DETAIL OF ANCHORING ENDS OF STIRRUPS



TYPICAL SECTION OF CANTILEVER BEAM

A3/3/3

(REFERENCE NOTES FROM IS 456: 2000)

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. NOMINAL COVERS

EXPOSURE CONDITION	Mild	Moderate
I FOOTINGS	50	50
II COLUMNS & WALLS (TO LINKS OF COLUMN)	40	40
III SLABS	20	30
IV BEAMS (TO STIRRUPS OF BEAM)	20	30

4. 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

5. REFER STANDARD DRAWING'S FOR LAP LOCATIONS TO BARS IN BEAMS AND COLUMNS.
6. IF UNAVOIDABLE,REINF. LAPS FOR BEAMS AND SLABS SHALL BE STAGGERED WITH NOT MORE THAN 50%OF THE BARS SPECIFIED AT A SECTION.
7. FOR CANTILEVERS (SLAB or BEAM), TOP BARS TO BE ANCHORED BEHIND FOR 75xDIA OR SPAN WHICHEVER IS GREATER.
8. LINKS IN COLUMN AT COLUMN-BEAM JUNCTION ARE NECESSARY.
9. WHENEVER THE DIMENTION OF COLUMN GETS REDUCED, TIE BEAM OR PLINTH BEAM IS NECESSARY IN THE SAME DIRECTION.
10. FIRE RATING CONSIDERED:- 1 Hour Maximum
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.

NOTES:-

 # ONLY THE DRAWINGS WITH THE STAMP/SEAL AND SIGN OF SHOULD BE CONSIDERED AS AUTHENTIC G.F.C DRAWINGS.

 # AFTER UNDERSTANDING THE ABOVE NOTES, DETAILS THE LICENSED SUPERVISING ENGINEER AND CONTRACTOR SHALL COMPLY WITH THE SAME, BEFORE CONCRETING.THEY ARE ALSO RESPONSIBLE FOR THE FULL SAFETY OF SHUTTERING, CENTERING PROPS, CONCRETING, EXECUTION, SUPERVISION, WORKMANSHIP, QUALITY OF MATERIAL AND OTHER CONSTRUCTION PROCEDURES.

 # RESPONSIBILITY REGARDING CORRECT & SOUND CONSTRUCTION ,SHUTTERING SHALL SOLELY REST WITH CONTRACTOR. OWNER FOLLOWING GUIDELINE MAY BE USED FOR STRIPPING OF FORMS IN NORMAL CIRCUMSTANCES.

 # WE SHALL NOT BE RESPONSIBLE AGAINST ANY ACCIDENTS AND FAILURES BECAUSE OF DEFECTIVE SHUTTERING, DEFECTIVE CONSTRUCTION PROCEDURE, ANY ADDITION AND / OR ALTERATION OR ANY DAMAGE TO THE STRUCTURAL FRAME WHICH IS CAUSED BY ACCIDENT ON SITE OR BY TAMPERING WITH THE GEOMETRICAL SECTIONS OF STRUCTURAL MEMBERS FOR ANY PURPOSE WHATSOEVER OR DUE TO OVERLOADING OF THE STRUCTURE OR LACK OF MAINTENANCE.

DESIGN CONSIDERATIONS:

DESIGN VALID ONLY FOR:-	GROUND + 3 FLOOR ONLY
SAFE BEARING CAPACITY OF SOIL:- # STRATA SHOULD BE CONFIRMED AS PER SOIL INVESTIGATION REPORT	TO BE CONFIRM
GRADE OF CONCRETE:-	M25
GRADE OF STEEL	Fe 500
EXPOSURE CONDITION:-	MILD
DESIGNED LIVE LOAD:-	3 Kn/sq.m

NO. REV.	DATE	DRAWN BY	CHECKED BY	DESCRIPTION OF THE REVISIONS
R0	23.04.21	M.M.	M.M	ADVANCE COPY FOR APPROVAL

PURPOSE OF RELEASE

ADVANCE COPY FOR TENDERING PURPOSE

NAME OF CLIENT/OWNER/DEVELOPER:

MR.MANOJ PRAKASH SATHE

NAME OF PROJECT:

Proposed Residential building @S.No - 38/2/2(P), Plot No-31, Village - Kharadi, Pune-411014

PROJECT ARCHITECT:

AR.DHARAMPAL GAWADE

DRAWING TITLE:

BEAM SCHEDULE AND GENERAL DETAIL

DRAWN BY:	V.S	DESIGNED BY:	M.M
CHECKED BY:	M.M.	DATE:	23.04.2021
DRAWING NO & REVISION:	2020/10/RC-SFS&B/R0		

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