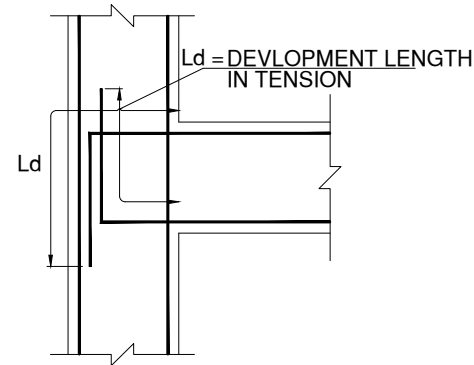


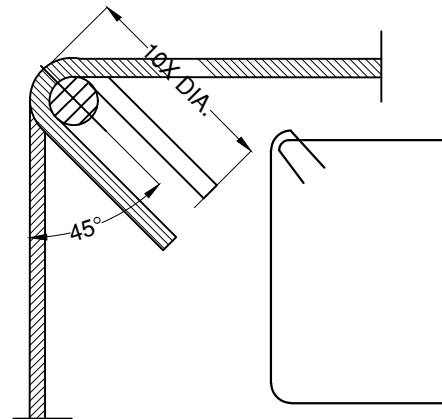
R.C.C. BEAM SCHEDULE

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

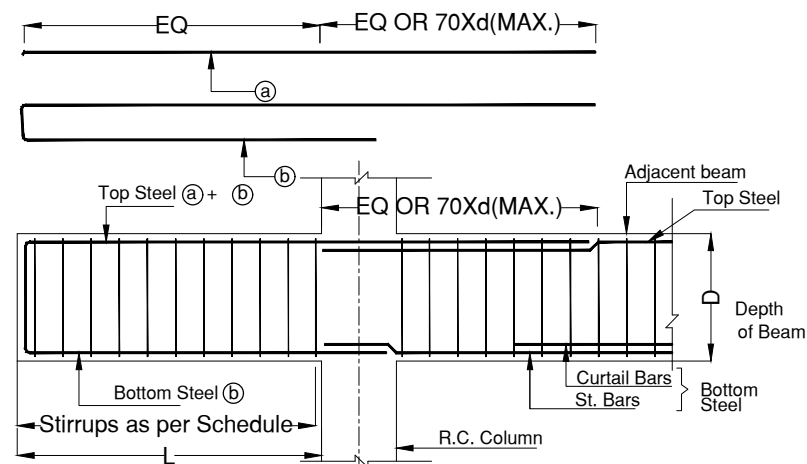
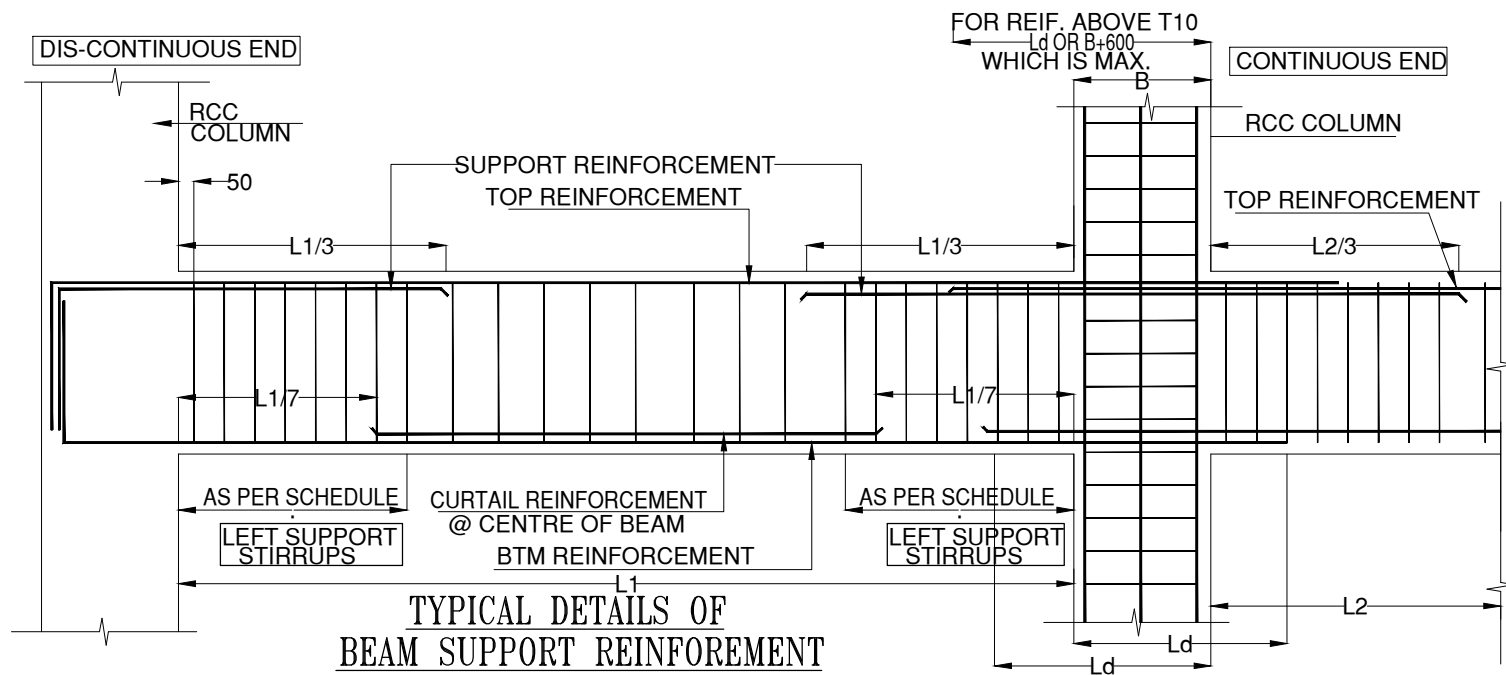
BEAM NOS	OVER ALL SIZE		STEEL AT BOTTOM		TOP			STIRRUPS			REMARKS
	B.	D.	STR.	BTM. CURT.	TOP	EXTRA AT TOP LEFT	EXTRA AT TOP RIGHT	DIA	NOS AND SPACING		
									@SUPPORT	@MID SPAN	
MPB	230	D	3 - T12		2 - T12			T8	@ 125 C/C	@ 125 C/C	@ MIDLANDING LEVEL
PB1	230	450	3 - T12	R.F.T.	3 - T12 3 - T12			T8	@ 100 C/C	@ 100 C/C	CANTILEVER
PB2	230	450	3 - T12		2 - T12	FROM PB1	2 - T12	T8	09 @ 100 C/C	@ 230 C/C	
PB3	230	450	2 - T12		2 - T12	FROM PB2		T8	09 @ 100 C/C	@ 230 C/C	
PB4	150	450	2 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
PB5+PB6	230	450	3 - T12		3 - T12			T8	@ 125 C/C	@ 125 C/C	BARS IN ONE PIECE
PB7	230	450	3 - T16		2 - T12		2 - T16	T8	@ 100 C/C	@ 100 C/C	
PB8	230	450	3 - T12		3 - T12	FROM PB7	FROM PB9	T8	@ 100 C/C	@ 100 C/C	
PB9	230	450	2 - T16 +2 - T12		2 - T12	2 - T16	2 - T16	T8	12 @ 100 C/C	@ 150 C/C	
PB10	230	450	3 - T12	2 - T12	2 - T12			T8	12 @ 125 C/C	@ 150 C/C	
PB11+PB12	230	450	2 - T12		2 - T12			T8	@ 150 C/C	@ 150 C/C	BARS IN ONE PIECE
PB13	150	450	2 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
PB14	230	450	2 - T12		2 - T12		FROM PB15	T8	@ 150 C/C	@ 150 C/C	
PB15	230	450	2 - T12		2 - T12	2 - T12	FROM PB16	T8	@ 150 C/C	@ 150 C/C	
PB16+B16A	230	450	3 - T12		2 - T12 2 - T12			T8	@ 100 C/C	@ 100 C/C	BARS IN ONE PIECE
PB17	230	450	2 - T12	2 - T12	2 - T10		FROM PB18	T8	10 @ 125 C/C	@ 230 C/C	
PB18	230	450	3 - T12		2 - T12	2 - T12	2 - T12	T8	10 @ 100 C/C	@ 230 C/C	
PB19	230	450	2 - T12		2 - T12	FROM PB18		T8	@ 150 C/C	@ 150 C/C	
PB20	230	450	2 - T12	2 - T12	2 - T10			T8	10 @ 125 C/C	@ 230 C/C	
PB21A	230	450	2 - T16	R.F.T.	2 - T16 3 - T12			T8	@ 100 C/C	@ 100 C/C	CANTILEVER
PB21	230	450	3 - T12		2 - T12	FROM PB21A	2 - T12	T8	09 @ 100 C/C	@ 230 C/C	
PB22	230	450	2 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
PB23	150	450	2 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
PB24	150	450	3 - T12		2 - T10			T8	@ 150 C/C	@ 150 C/C	
PB25	230	450	2 - T16 3 - T12		3 - T12	2 - T16	FROM PB25	T8	@ 125 C/C	@ 125 C/C	
PB26	230	450	3 - T16 3 - T12		3 - T12	2 - T16	2 - T16	T8	14 @ 100 C/C	@ 150 C/C	
PB27	150	450	2 - T12 2 - T12		2 - T10			T8	@ 125 C/C	@ 125 C/C	
PB28	230	450	3 - T12	2 - T12	2 - T12	2 - T12		T8	10 @ 125 C/C	@ 230 C/C	
PB29	230	450	2 - T12		2 - T12	1 - T12	2 - T12	T8	09 @ 100 C/C	@ 230 C/C	
PB30	230	450	3 - T12		2 - T10	FROM PB30		T8	09 @ 100 C/C	@ 150 C/C	



ANCHORAGE OF BEAMS
IN AN EXTERNAL JOINT



TYPICAL DETAIL OF
ANCHORING ENDS OF
STIRRUPS



TYPICAL SECTION OF CANTILEVER BEAM

(REFERENCE NOTES FROM IS 456: 2000) A3/2/2

- ALL DIMENSIONS ARE IN 'mm' AND ALL LEVELS TO BE REFERRED FROM ARCHITECTURAL DRAWINGS.
- CENTER LINE PLAN SHOULD BE CHECKED BY THE ARCH. REFER ARCHITECT'S DRAWING FOR ALL OTHER DETAILS & DIMENSIONS.
- 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
- 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
- REFER STANDARD DRAWING'S FOR LAP LOCATIONS TO BARS IN BEAMS AND COLUMNS.
- IF UNAVOIDABLE, REINF. LAPS FOR BEAMS AND SLABS SHALL BE STAGGERED WITH NOT MORE THAN 50% OF THE BARS SPECIFIED AT A SECTION.
- FOR CANTILEVERS (SLAB or BEAM), TOP BARS TO BE ANCHORED BEHIND FOR 75xDIA OR SPAN WHICHEVER IS GREATER.
- LINKS IN COLUMN AT COLUMN-BEAM JUNCTION ARE NECESSARY.
- WHENEVER THE DIMENTION OF COLUMN GETS REDUCED, THE BEAM OR PLINTH BEAM IS NECESSARY IN THE SAME DIRECTION.
- FIRE RATING CONSIDERED:- 1 Hour Maximum
- ALL STRUCTURAL CONCRETE SHOULD BE WEIGH BATCHED, MACHINE MIXED & MECHANICALLY VIBRATED.
- 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.

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:-	32 T/SQM			
# STRATA SHOULD BE CONFIRMED AS PER SOIL INVESTIGATION REPORT				
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	21.01.21	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
CHECKED BY:	M.M.
DESIGNED BY:	M.M
DATE:	20.01.2021
DRAWING NO & REVISION:	2020/10/RC-PB&TR0