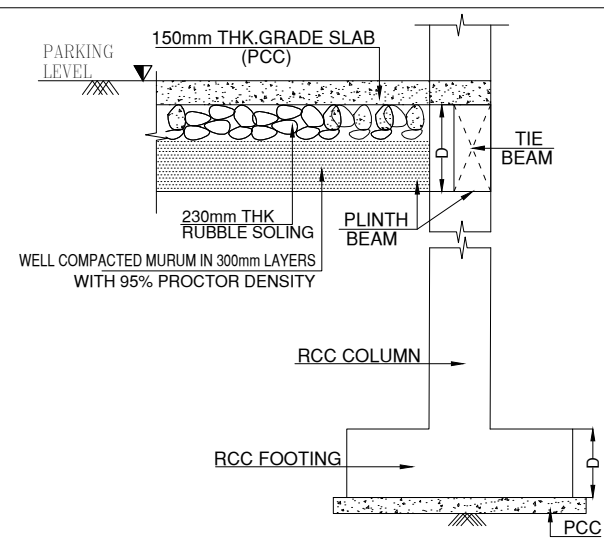
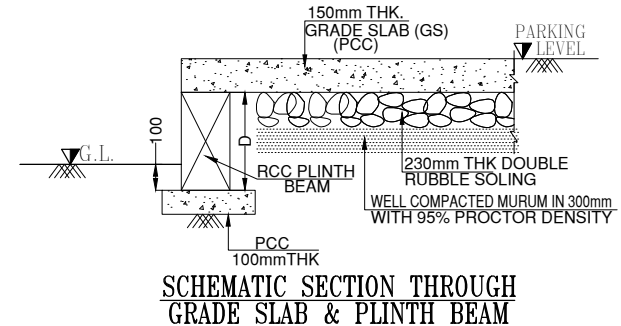
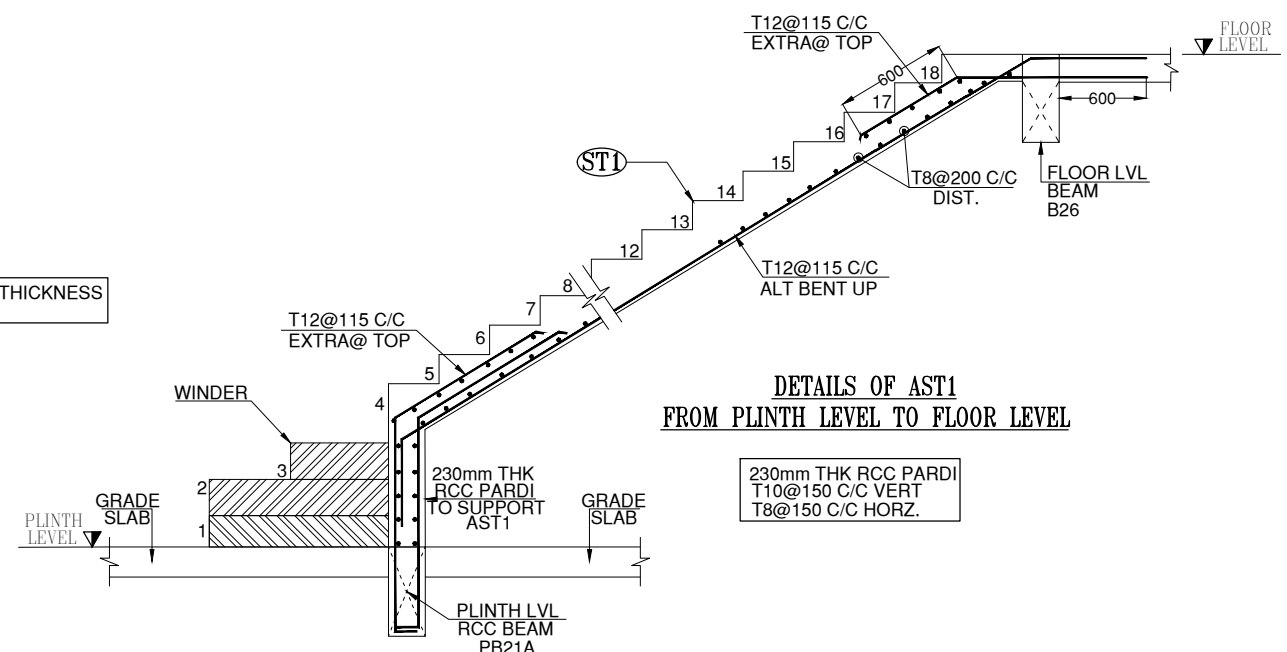
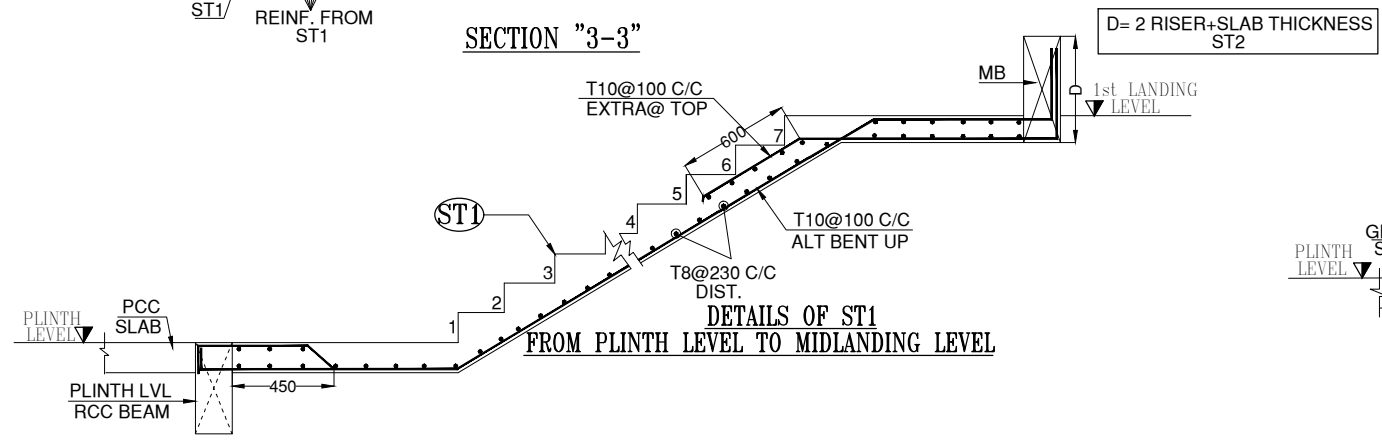
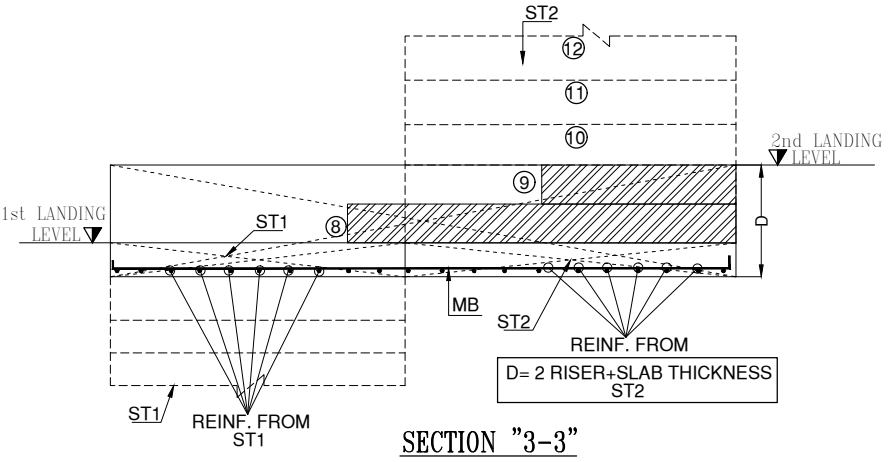
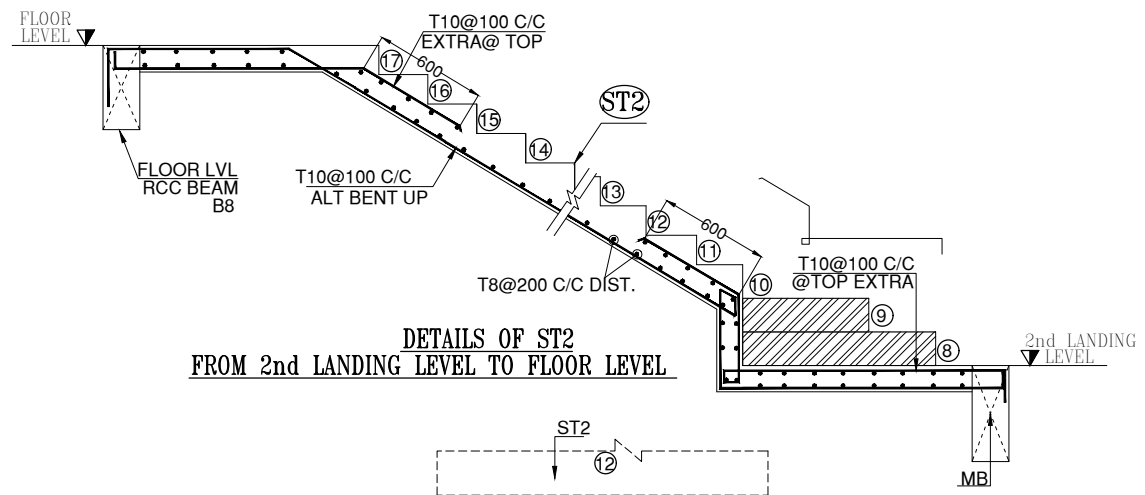
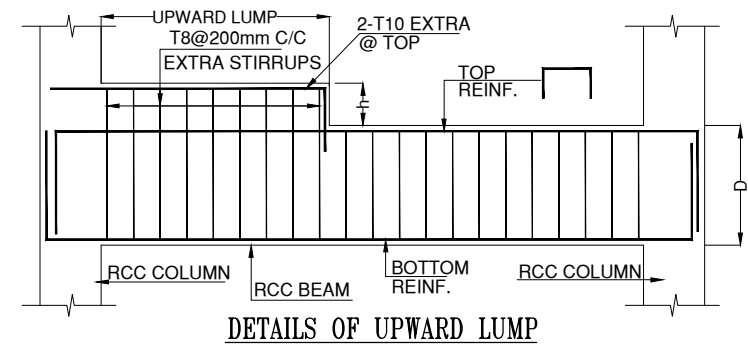
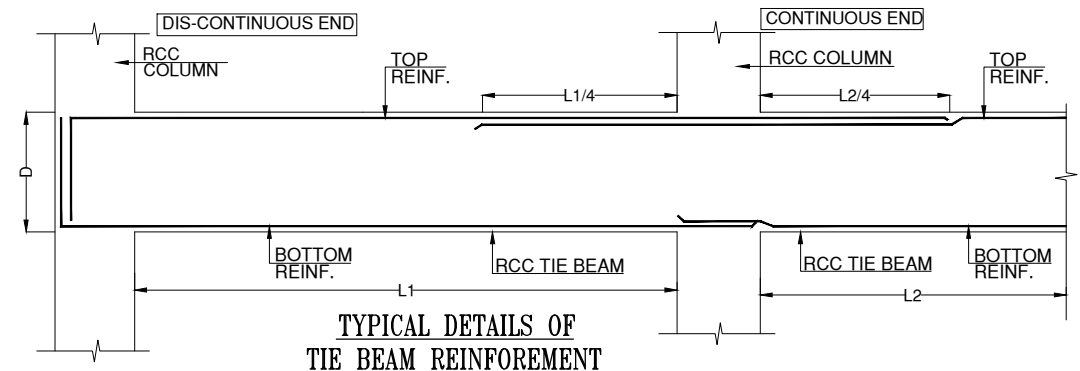


### R.C.C. SLABS SCHEDULE

TYPE	THICKNESS	STEEL ALONG SPAN ↴	STEEL ACROSS SPAN ↵	REMARKS
ST1,ST2	165	T10 @ 100 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT @ RESP UPPER LANDING
AST1	175	T12 @ 115 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT @ RESP UPPER LANDING
GS	150	T8 @ 300 C/C ALL STR	T8 @ 300 C/C ALL STR	GRADE SLAB



### SCHEMATIC SECTION THROUGH COLUMN, FOOTING & PLINTH BEAM



- (REFERENCE NOTES FROM IS 456: 2000)
- 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, TIE 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 FORMWORK 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.

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	20.01.21	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(P), Plot No-31, Village - Kharadi, Pune-411014			
PROJECT ARCHITECT:			
AR.DHARAMPAL GAWADE			
DRAWING TITLE:			
INDEX PLAN FOR RCC PLINTH AND TIE BEAM			
DRAWN BY:	V.S	DESIGNED BY:	M.M
CHECKED BY:	M.M.	DATE:	20.01.2021
DRAWING NO & REVISION:		2020/10/RC-PB&T/R0	
		M.N.Mohite & Associates	
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