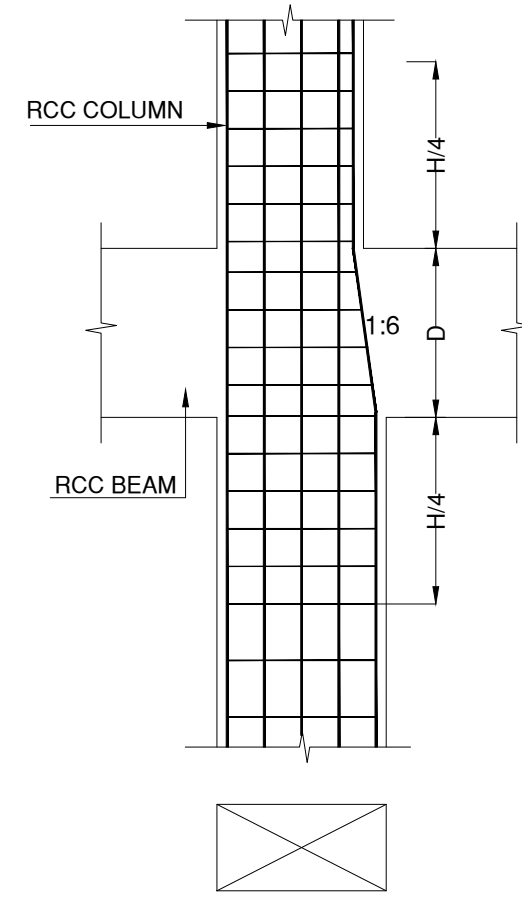


**TYPICAL LAPPING DETAIL@ "X"**  
(SHOWING STAGGERING OF LAPS IN COLUMN BARS)



**TYPICAL COLUMN REDUCTION DETAIL FROM ONE SIDE**

- 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 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:-		TO BE CONFIRM		
# 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	02.12.20	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. D R GAWADE				
DRAWING TITLE:				
GENERAL RCC DETAIL				
DRAWN BY:		V.S	DESIGNED BY:	M.M
CHECKED BY:		M.M.	DATE:	02.12.2020
DRAWING NO & REVISION:		2020/10/RC-COL&FTG/R0		