

DETAILS OF GRADE BEAM SIZE(10"X15")

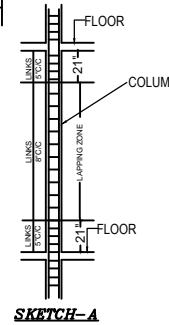
**NOTE**

- 1) SIZE SHOWN IN DWG. IS EXACT SIZE OF FOOTING SIZE OF CUTTING AND PCC TO BE INCREASED BY 5" FROM ALL SIDES FOR PROPER PLACEMENT OF REIN ETC.
- 2) DEPTH OF CUTTING SHALL BE 5'6" FROM NATURAL GROUND LEVEL
- 3) F1,F2---- INDICATES FOUNDATION NO
- 4) C1,C2---- INDICATES COLUMN NO
- 5) T1,T2---- INDICATES COLUMN TYPE

2L 8# ST @ OF

**NOTE**

- 1) READ THIS DWG. ALONGWITH ARCHITECTURAL AND STRUCTURAL DWGS
- 2) DO NOT SCALE, ONLY WRITTEN DIMENSIONS TO BE FOLLOWED
- 3) ALL DIMENSIONS AND LEVELS ARE TO BE CHECKED AND CO-RELATED WITH RELEVANT ARCHITECTURAL DWGS IN CASE OF ANY AMBIGUITY THE MATTER SHALL BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE STARTING THE WORK.
- 4) UNLESS SPECIFIED ALL THE STEEL SHALL BE OF HIGH YIELD DEFORMED COLD TWISTED BAR CONFORMING TO IS 1786-1986 YIELD STRENGTH OF 415 N/MM<sup>2</sup> HENCE EITHER TATA STEEL, SAIL STEEL OR SRMB STEEL SHALL BE USED
- 5) NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ANY SECTION
- 6) LAP LENGTH SHALL BE EQUAL TO L<sub>d</sub>=57 TIMES THE DIA OF BAR AND SHALL BE AVOIDED IN THE FOLLOWING CASE  
TOP BARS--NEAR SUPPORT, BOTTOM BARS--NEAR MID SPAN
- 7) ALL THE CONC. ARE OF GRADE M-200 AND CONC SHALL MACHINE MIXED AND MACHINE VIBRATED
- 8) COVER  
a) FOUNDATION 2" FROM BOTTOM AND 1/2" FROM SIDE  
b) COLUMN 1 1/2" FROM MAIN STEEL
- 9) PROPER PLY SHUTTERING OR STEEL SHUTTERING SHALL BE USED TO GET GOOD QUALITY
- 10) SUFFICIENT CONC. CUBE TEST AND STEEL YIELD STRENGTH TEST TO BE PERFORMED FOR DIFFERENT BATCHES & REPORT SHALL BE SUBMITTED TO CONSULTANT IN TIME
- 11) USE 10% EXTRA CEMENT IN CONC. FOR CASTING UNDER WATER TABLE
- 12) GROSS BEARING CAPACITY OF THE SOIL HAS BEEN TAKEN AS 16 T/m<sup>2</sup> AT 5'6" BELOW ORIGINAL GROUND LEVEL.



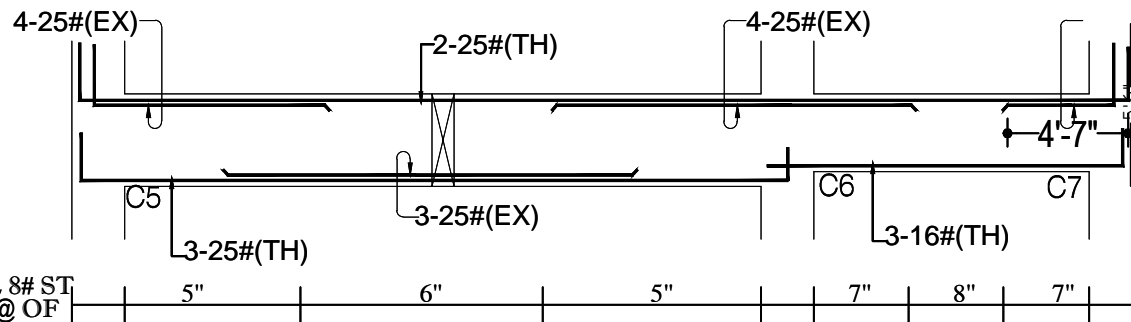
SKETCH-A

TYPICAL DETAILS OF LAP IN COLUMN

**NOTE:-**

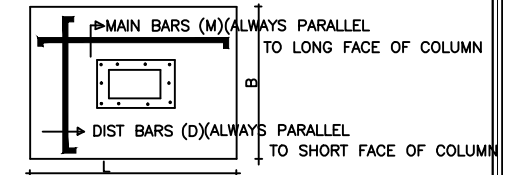
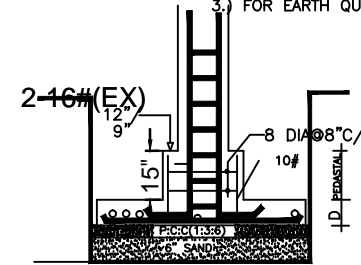
- 1.) FOUNDATION HAS BEEN DESIGN FOR G+2
- 2.) BEARING CAPACITY HAS BEEN TAKEN 16T /M2.
- 3.) FOR EARTH QUAKE, ZONE III HAS BEEN ASSUMED.

FOOT S.NO	FOOTING SIZE	COL TYPE	FOUNDATION DETAILS		BASE JALI	COLUMN DETAILS OR TO IST SIZE AND REIN.
			D	SIZE OF PEDASTAL		
1	F1	T1	8"	2'4"X2'9"	MAIN:- 10 NOS 10# DIST:- 10 NOS 10#	COL-10"X15" BARS-8-12# RINGS-8 DIA 5" TO 8" C/C
2	F2	T2	10"	2'4"X2'9"	MAIN:- 10 NOS 10# DIST:- 12 NOS 10#	COL-10"X15" BARS-8-16# RINGS-8 DIA 5" TO 8" C/C
3	F3	T3	10"	2'10"X3'8"	MAIN:- 14 NOS 12# DIST:- 15 NOS 12#	COL-10"X20" BARS-10-16# RINGS-8 DIA 5" TO 8" C/C
4	F4	T4	12"	3'0"X4'0"	MAIN:- 16 NOS 12# DIST:- 18 NOS 12#	COL-12"X24" BARS-8-20#+ 8-16# RINGS-8 DIA 5" TO 8" C/C
5	F5	T5	16"	3'0"X4'0"	MAIN:- 18 NOS 12# DIST:- 20 NOS 12#	COL-12"X24" BARS-8-20#+ 8-16# RINGS-8 DIA 5" TO 8" C/C



DETAILS OF ROOF BEAM SIZE(10"X20")&(10"X16")

2L 8# ST @ OF



PROJECT:-	REFERENCE 050 DT 10 MARCH 19
COMMERCIAL BUILDING OF MADRASA COMMITTEE, DUMKA	