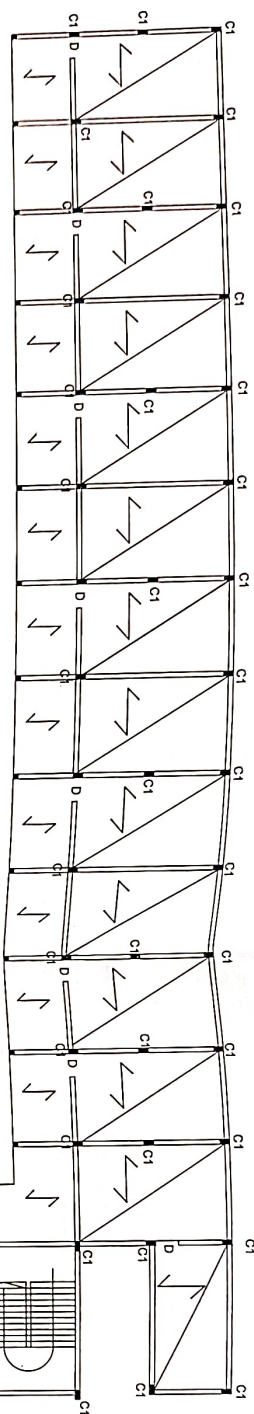


3C = 180KN/M²

MINIMUM DEPTH OF FOUNDATION SHOULD BE 1.80 METRES FROM N.G.L.

CONCRETE MIX : M20, GRADE OF STEEL : FE 415

(COLUMN FOOTING DETAILS)



DEVELOPMENT LENGTH TABLE FOR TMT BARS			
DIA FOR BAR	DEV LENGTH	DIA FOR BAR	DEV LENGTH
6MM	12"	12MM	24"
8MM	16"	16MM	30"
10MM	20"	20MM	38"
25MM	50"	32MM	60"

NOTE: FOR 32MM DIA BAR IT IS MANDATORY TO WELD THE LAPS

CUBE TEST REQUIRED

QTY OF CONCRETE IN CUM	SET OF SAMPLES FOR 28 DAYS CURE TEST	SET OF SAMPLES FOR 7 DAYS CURE TEST
1-5	1	1
5-15	2	2
15-30	3	3
31-50	4	4
51-100	5	5

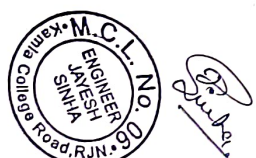
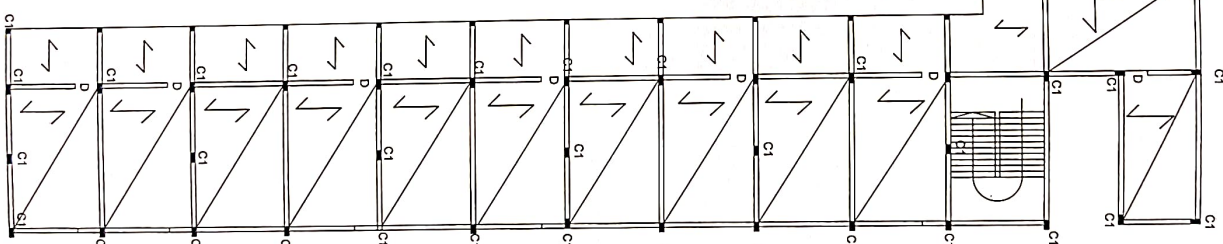
7 DAYS & 28 DAYS TEST REPORT SHALL BE SUBMITTED AFTER CASTING OTHERWISE WE WILL NOT BE RESPONSIBLE FOR CONCRETE STRENGTH

NOTES:

1. ALL DIMENSIONS ARE IN MM.
2. THE MINIMUM DEPTH OF FOUNDATION SHALL BE 1.80 METRES BELOW N.G.L.
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SLAB SCHEDULE

SLAB TYPE	REMARKS	MAIN BAR	DISTRIBUTION BAR	SPACING	CRANK
S 1	↖ ↗	10 MM	10 MM	150 MM	AT 1/4 OF SPAN IN MAIN BAR
S 2	↖ ↗	10 MM	10 MM	150 MM	AT 1/4 OF SPAN AT BOTH WAYS



PROJECT - GURUGOVIND SINGH KHALSA SCHOOL STRUCTURE

TITLE - SLAB REINFORCEMENT DETAILS

CONSULTING ENGINEER

VASTU ARCH

DATE

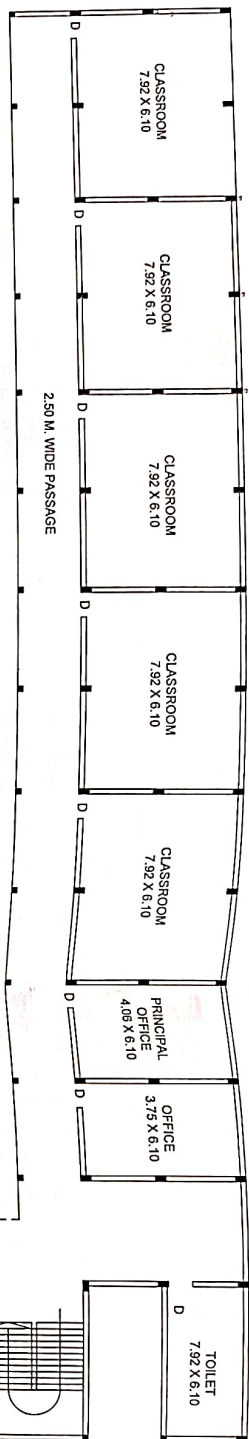
ARCHITECT'S ENGINEER CONTRACTOR SUPERVISOR
E. JAYESH SINHA 77248-56997
E. ABHIDUT TITIKSH 77719-69996
IN FRONT OF KAMLA COLLEGE,
RAJANIGANDAM, (C.G.) - 491441
EMAIL: jayeshsinha88@gmail.com

BC = 180KN/M²

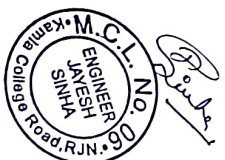
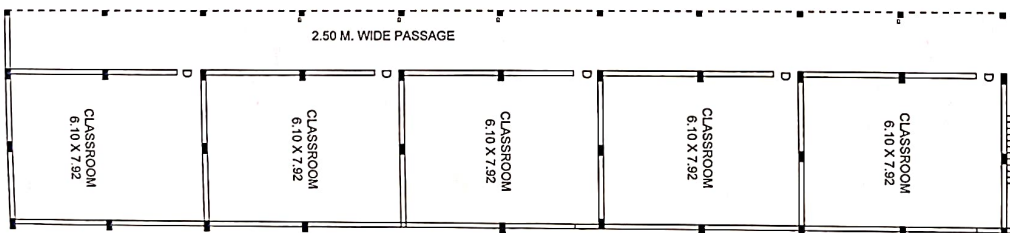
MINIMUM DEPTH OF FOUNDATION SHOULD BE 1.80 METRES FROM N.G.L.

CONCRETE MIX : M20, GRADE OF STEEL : FE 415

(COLUMN FOOTING DETAILS)



TYPICAL FLOOR PLAN



DEVELOPMENT LENGTH TABLE FOR TMT BARS			
BAR DIA	DEVL LENGTH	BAR DIA	DEVL LENGTH
6MM	12"	13MM	24"
8MM	16"	16MM	30"
10MM	20"	20MM	36"
12MM	24"	25MM	48"

NOTE - FOR 32MM BAR DIA IT IS MANDATORY TO WELD THE LAPS

CUBE TEST REQUIRED			
QTY OF CONCRETE IN CUM	SET OF SAMPLES FOR 7 DAYS CURE TEST	SET OF SAMPLES FOR 28 DAYS CURE TEST	
1.5	1	1	
6-15	2	2	
16-30	3	3	
31-50	4	4	
51-100	6	6	

7 DAYS & 28 DAYS TEST REPORT SHALL BE SUBMITTED AFTER CASTING OTHERWISE WE WILL NOT BE RESPONSIBLE FOR CONCRETE STRENGTH

- NOTES -
1. ALL DIMENSIONS ARE IN MM.
 2. S.B.C OF THE SOIL IS NOTED AS 180 KN/M² AS PROVIDED BY THE ARCHITECT AND SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER.
 3. MIN. DEPTH OF FOUNDATION SHOULD BE 1.80 METRES BELOW N.G.L.
 4. MIN. DEPTH OF FOUNDATION SHOULD BE 1.80 METRES BELOW N.G.L.
 5. MIN. DEPTH OF FOUNDATION SHOULD BE 1.80 METRES BELOW N.G.L.
 6. ALL STRUCTURAL STEEL REINFORCEMENT SHALL BE HIGH STRENGTH STEEL GRADE 415.
 7. PROVIDE CLASH COVER OF 50 MM FOR FOOTING & 40 MM FOR COLUMN.
 8. PROVIDE CLASH COVER OF 50 MM FOR COLUMN & 40 MM FOR SLAB.
 9. PROVIDE CLASH COVER OF 50 MM FOR SLAB & 40 MM FOR BEAM.
 10. PROVIDE CLASH COVER OF 50 MM FOR BEAM & 40 MM FOR COLUMN.
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 100. PROVIDE CLASH COVER OF 50 MM FOR BEAM & 40 MM FOR COLUMN.

PROJECT - GURGOBIND SINGH KHALSA SCHOOL STRUCTURE

TITLE - PLAN DETAILS

CONSULTING ENGINEER

DATE

ARCHITECTS ENGINEER CONTRACTOR STR. DESIGNER

IN FRONT OF KAMLA COLLEGE, RAJNANDGAON, (C.G.) - 491441

EMAIL - jayeshsinha@gmail.com

SC = 180KN/M²

MINIMUM DEPTH OF FOUNDATION SHOULD BE 1.80 METRES FROM N.G.L.

CONCRETE MIX : M20, GRADE OF STEEL : FE 415

(COLUMN FOOTING DETAIL)

DEVELOPMENT LENGTH TABLE FOR TMT BARS

DIA FOR BAR	DEVELOPMENT LENGTH	DIA FOR BAR	DEVELOPMENT LENGTH
8MM	12"	12MM	24"
10MM	16"	16MM	30"
12MM	20"	20MM	36"
16MM	24"	25MM	60"

NOTE - FOR 25MM DIA BAR IT IS MANDATORY TO WELD THE LAPS

CUBE TEST REQUIRED

QTY OF CONCRETE IN CUB	SET OF SAMPLES FOR 7 DAYS CURE TEST	SET OF SAMPLES FOR 28 DAYS CURE TEST
1-5	1	1
6-15	2	2
16-30	3	3
31-50	4	4
51-100	5	5

7 DAYS & 28 DAYS TEST REPORT SHALL BE SUBMITTED AFTER CASTING OTHERWISE WE WILL NOT BE RESPONSIBLE FOR CONCRETE STRENGTH

NOTES

- 1) ALL DIMENSIONS ARE IN MM
- 2) S.C OF THE SOIL IS ACCEPTED AS 180 KN/M² AS SPECIFIED BY THE ARCHITECT AND SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER
- 3) ALL DIMENSIONS SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER
- 4) USE M20 GRADE OF CONCRETE
- 5) DENSITY OF BRICK ASSUMED TO BE 1900 KG/M³
- 6) ALL DIMENSIONS SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER
- 7) PROVIDE CLEAR COVER OF 25 MM FOR COLUMN AND 20 MM FOR SLAB AND NOT MORE THAN 5% DIA SHOULD BE LAPPED AT ONE SECTION
- 8) PROVIDE CLEAR COVER OF 25 MM FOR SLAB AND 20 MM FOR COLUMN AND NOT MORE THAN 5% DIA SHOULD BE LAPPED AT ONE SECTION
- 9) PROVIDE ARCHITECTURAL DRAWING
- 10) ALL BARS SHOULD BE EXTENDED UP TO DEVELOPMENT LENGTH - 10 DIA OF BAR
- 11) LAPS SHOULD BE EQUAL TO DEVELOPMENT LENGTH - 10 DIA OF BAR
- 12) USE SPACING WITH MAXIMUM SPACING 450 AND USE MAXIMUM SPACING 150
- 13) ALL DIMENSIONS SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER
- 14) PROVIDE ARCHITECTURAL DRAWING
- 15) PROVIDE ARCHITECTURAL DRAWING
- 16) PROVIDE ARCHITECTURAL DRAWING
- 17) PROVIDE ARCHITECTURAL DRAWING
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31) GRADE OF CONCRETE FOR P.C.C. 1:3:6

32) GRADE OF CONCRETE FOR R.C.C. 1:2:4

33) GRADE OF CONCRETE FOR R.C.C. 1:2:4

34) GRADE OF CONCRETE FOR R.C.C. 1:2:4

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PROJECT - GURUDOVAND SINGH NIAULSA SCHOOL STRUCTURE

TITLE - CENTER LINE DETAILS

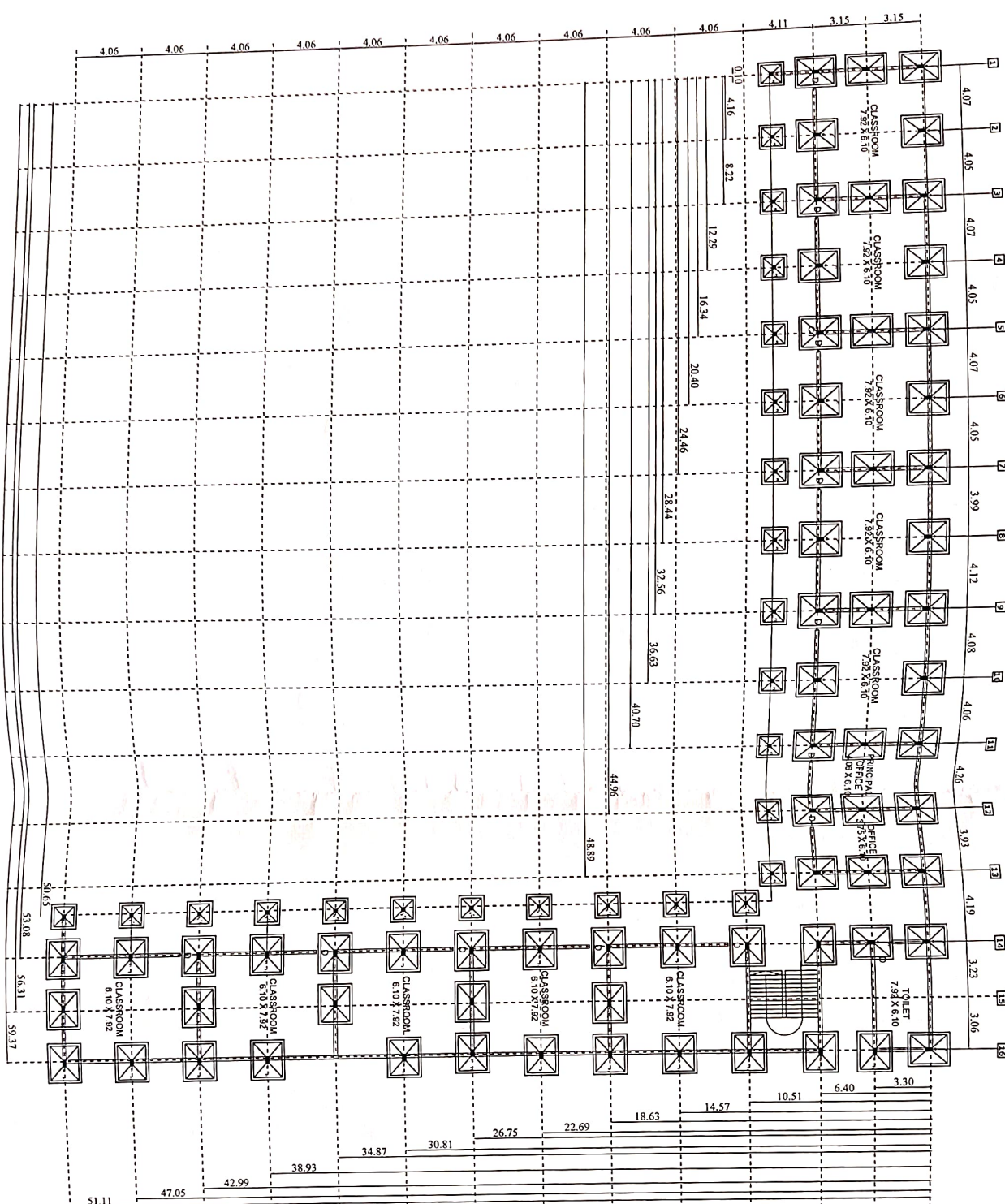
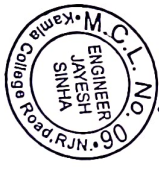
CONSULTING ENGINEER

ARCHITECTS ENGINEER CONTRACTOR SITE DESIGNER

IN FRONT OF KAMLA COLLEGE,

RAJNANDGAON (C.G.) - 491441

EMAIL: jayeshsinha68@gmail.com



MINIMUM DEPTH OF FOUNDATION SHOULD
BE 1.80 METRES FROM N.G.L.

CONCRETE MIX : M20, GRADE OF STEEL : FE 415

(COLUMN FOOTING DETAILS)

DEVELOPMENT LENGTH TABLE FOR TMT BARS

DIA FOR BAR	DEV LENGTH	DIA FOR BAR	DEV LENGTH
6MM	12"	12MM	24"
8MM	16"	16MM	30"
10MM	20"	20MM	38"
29MM	50"	32MM	60"

NOTE:- FOR 32MM DIA BAR IT IS MANDATORY TO WELD THE LAP.

CUBE TEST REQUIRED

CRF #	SET OF SAMPLES FOR 1 DAY CURE TEST	SET OF SAMPLES FOR 28 DAYS CURE TEST
1-5	1	1
6-15	2	2
16-30	3	3
31-50	4	4
51-100	6	6

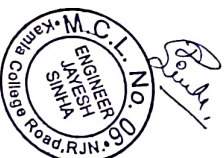
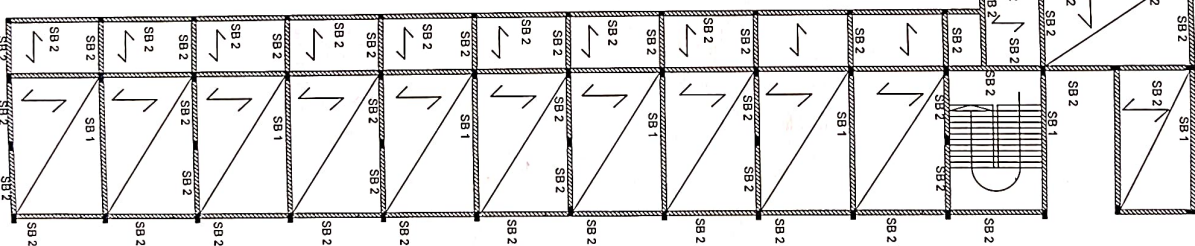
***7 DAYS & 28 DAYS TEST REPORT SHALL BE SUBMITTED AFTER CASTING OTHER WISE WE WILL NOT BE RESPONSIBLE FOR CONCRETE STRENGTH**

NOTES

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| 301 | THE WALLS OF MAJOR DAMS IN A FURTHER SECTION OF MAJOR DAM AND |
| 302 | SECONDARY DAM |
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BEAM SCHEDULE

SLAB TYPE	SECTION	MAIN BAR	ANCHOR BAR	CURTAIL BAR L/4 OF SPAN	STIRRUPS	SPACING	CRANK
GB1/SB1		16 MM@ 2 NOS.	12 MM@ 2 NOS.	16 MM@ 2 NOS.	8 MM DIA	150 MM	AT L/4 OF SPAN
GB2/SB2		12 MM@ 2 NOS.	10 MM@ 2 NOS.	12 MM@ 2 NOS.	8 MM DIA	150 MM	AT L/4 OF SPAN
LINTEL BEAM OVER EVERY WALL		10 MM@ 2 NOS.	10 MM@ 2 NOS.		8 MM DIA	150 MM	



CONSULTING EN

VASTU ARCH

ARCHITECTS ENGINEER CONTRACTOR STR. DESIGNER

Dr. Jayesh Sinha / 2240-3093

Er. ABHIJAY TIKSHI 7779-0999

IN FRONT OF KANILA COLLEGE

EMAIL: jayeshsinha68@gmail.com

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