

FRAMING PLAN OF BEAMS AND SLABS FOR TYPICAL FLOOR ROOF LAYOUT @ 51'-10 1/2" LVL.

SCHEDULE OF BEAMS @ SPAN

BEAM MARK	SECTION	REINFORCEMENT AT SPAN
B1x	6"x12"	2-T12(ST)
B1	9"x12"	2-T12(ST)
B2	9"x12"	2-T12(ST)
B3	9"x12"	3-T12(ST)
B3y	9"x15"	3-T12(ST)

SCHEDULE OF BEAMS @ SUPPORT & MID SPAN

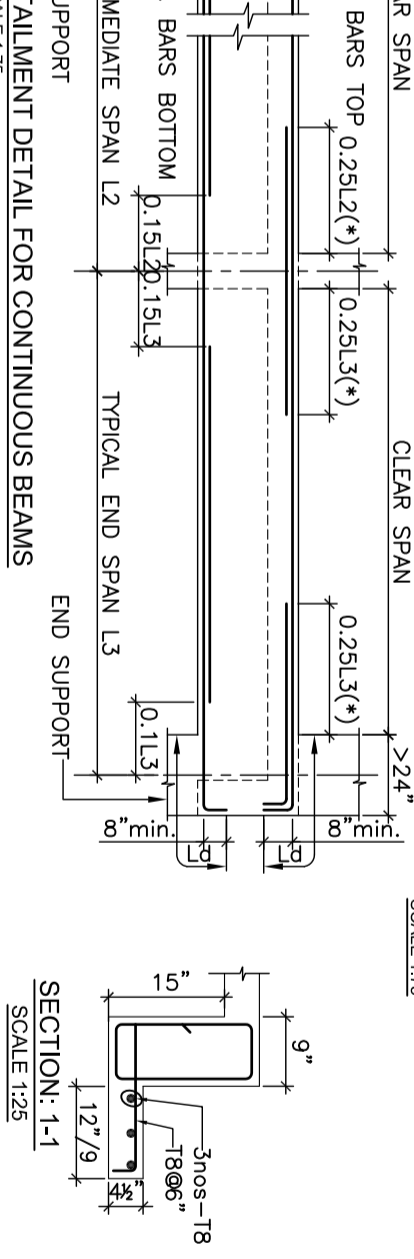
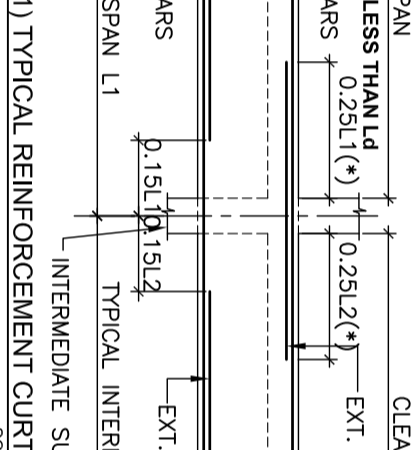
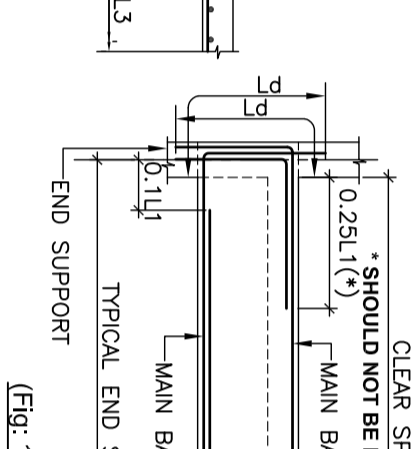
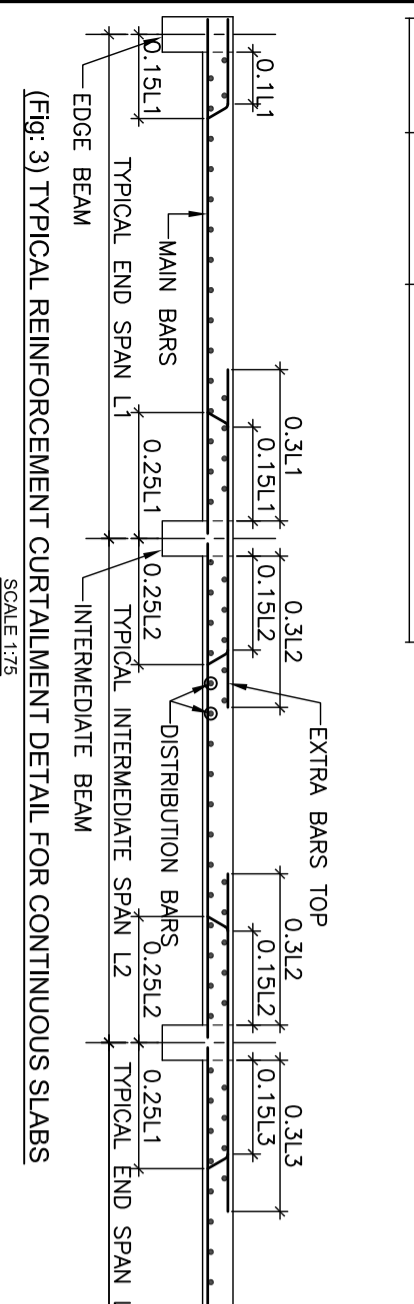
BEAM MARK	SECTION	REINFORCEMENT AT SPAN
B4	9"x12"	2-T12(ST)
B4y	9"x15"	2-T12(ST)
B5	9"x12"	2-T12(ST)
B5y	9"x15"	2-T12(ST)
B5z	9"x18"	2-T16(ST)

SCHEDULE OF BEAMS @ SUPPORT & MID SPAN

BEAM MARK	REINFORCEMENT EXTRA BARS
E1a	1-T12 Ext
E2a	2-T12 Ext
E3a	3-T12 Ext
E3b	2-T16 Ext
E3c	3-T16 Ext
E3d	4-T16 Ext
E3e	3-T20 Ext

SLAB REINFORCEMENT DETAILS

SLAB NOTATION.	SLAB THICK	TYPE OF SLAB	ALONG SHORTER SPAN		ALONG LONGER SPAN	
			MAIN REINFORCEMENT	EXTRA REINFORCEMENT	DISTRIBUTION REINFORCEMENT	EXTRA DIST. REINFORCEMENT
S1	4 1/2"	←	T8 @ 7" C/C	T8 @ 14" C/C	T8 @ 8" C/C	--
S2	4 1/2"	←	T8 @ 7" C/C	T8 @ 14" C/C	T8 @ 8" C/C	T8 @ 16" C/C
S3	4 1/2"	←	T8 @ 6" C/C	T8 @ 12" C/C	T8 @ 7" C/C	T8 @ 14" C/C
S4	5"	←	T8 @ 5" C/C	T8 @ 10" C/C	T8 @ 6" C/C	T8 @ 12" C/C



CLIENT : Mr. CHAKRAPANI

PROJECT TITLE : SITE @ SRINIVASA COLONY

DRAWING TITLE : FRAMING PLAN OF BEAMS & SLABS DETAILS FOR TYPICAL ROOF LAYOUT @ 51'-10 1/2" LVL

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CHIEF CONSULTANT : M.SRINIVASA RAO, M.Tech (Struct)

PURPOSE : **GOOD FOR CONSTRUCTION**

NO. DATE DESCRIPTION

REVISIONS.

AUTHORIZED BY: DRAWN: NANISHA I, APPROVED: MSR

DESIGNED: DATE: 21.04.2016

CHECKED: SCALE: AS SHOWN

PROJECT No: DRAWING No: SD8-01, SHEET REV. 0

- NOTES:**
- DO NOT SCALE THE DRAWING. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE LATEST REVISION IN ARCHITECTURAL DRAWINGS.
 - ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.
 - GRADE OF REINFORCEMENT STEEL SHALL BE F460 CONFORMING TO IS:1786-2008 AND ITS SUBSEQUENT AMENDMENTS UNLESS OTHERWISE SPECIFIED.
 - THE GRADE OF CONCRETE FOR ALL STRUCTURAL ELEMENTS SHALL BE M20 UNLESS OTHERWISE SPECIFIED.
 - THE CLEAR COVER TO THE MAIN REINFORCEMENT SHALL BE AS GIVEN BELOW UNLESS OTHERWISE SPECIFIED.
 - A. COLUMNS - 1 1/2"
 - B. BEAMS - 1"
 - C. SLABS - 3/4"
 - THE PROVISIONS MADE IN IS:456-2000, SP-34 AND OTHER RELEVANT CODES SHALL BE STRICTLY ADHERED TO DURING EXECUTION.
 - ALL THE DIMENSIONS, LEVELS, ALIGNMENT AND REINFORCEMENT BARS Etc. ARE TO BE VERIFIED BEFORE THE CONCRETE IS PLACED FOR THE RCC MEMBERS.
 - LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (LD) WHERE EVER LAPS ARE NEEDED. LAPS SHALL BE STAGGERED AND NOT MORE THAN 50% AT ANY LOCATION.
 - ALL EXCAVATED FOUNDATION PITS SHALL BE FREE FROM DEBRIS AND WELL COMPACTED BEFORE LAYING PCC.
 - ANY AMBIGUITIES OR DISCREPANCIES FOUND ARE TO BE BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE THE COMMENCEMENT OF THE WORKS.
 - DEVELOPMENT LENGTH (LD) FOR M20 GRADE OF CONCRETE SHALL BE PROVIDED AS PER TABLE-1.
 - LEGEND:
 - N.G.L - NATURAL GROUND LEVEL
 - F.G.L - FINISHED GROUND LEVEL
 - S.F.L - STRUCTURAL FLOOR LEVEL
 - F.F.L - FINISHED FLOOR LEVEL
 - T.O.S - TOP OF SLAB
 - T.O.B - TOP OF BEAM

TABLE-1

GRADE OF CONCRETE M20

BAR DIA.(mm)	8	10	12	16	20	25	32
LD (57Ø)	18"	22"	27"	36"	45"	57"	72"