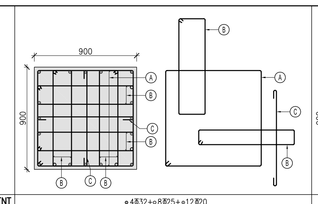
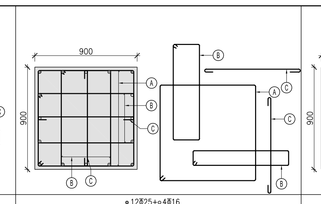
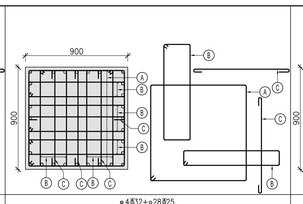
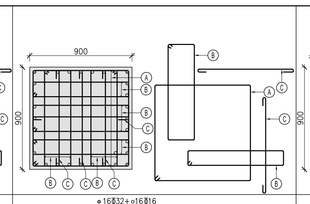
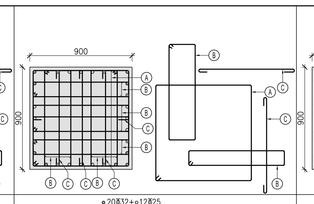
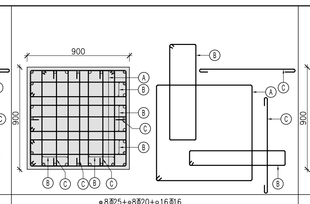
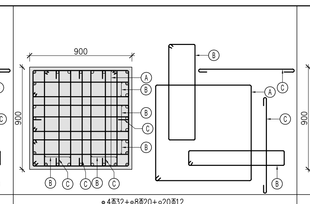
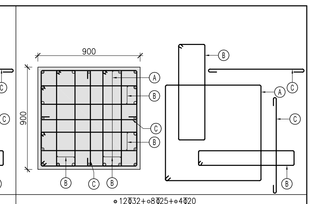
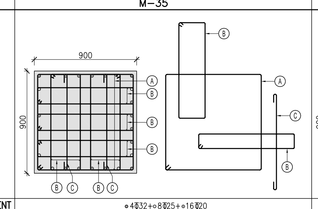
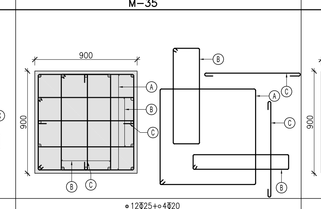
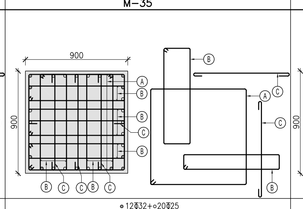
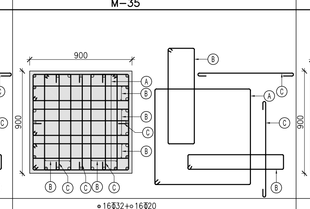
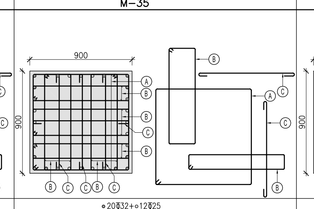
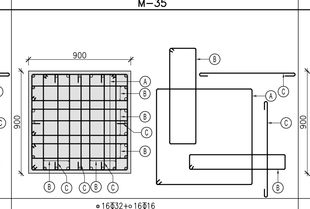
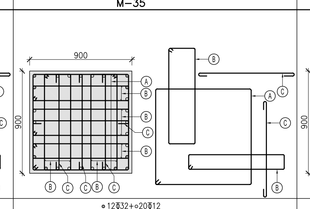
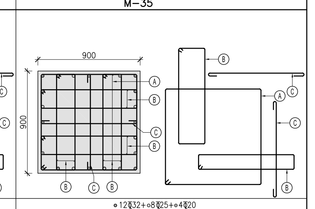
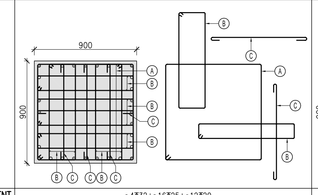
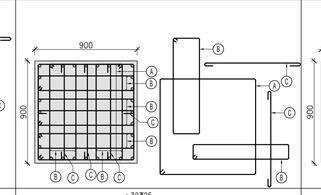
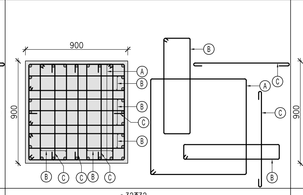
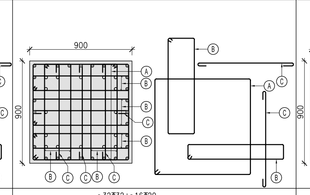
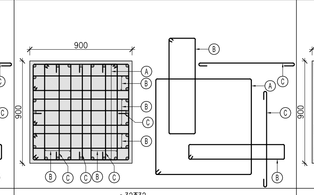
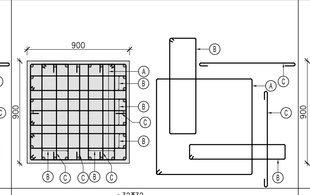
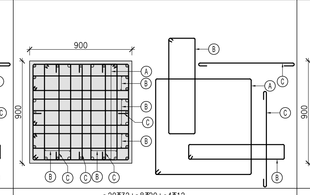
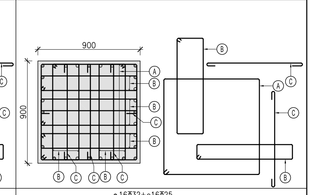
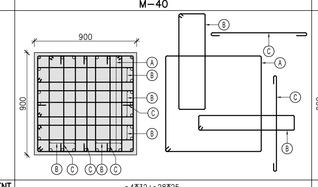
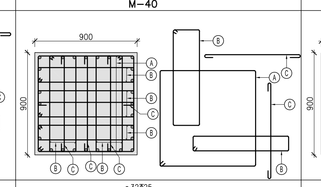
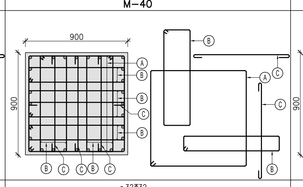
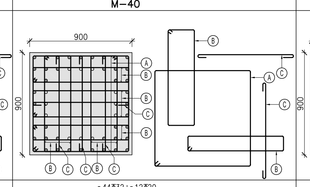
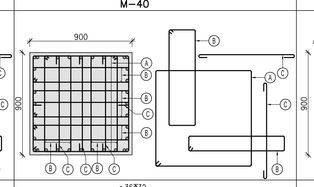
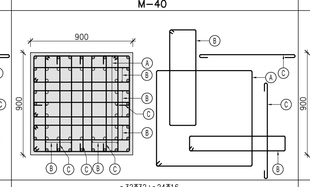
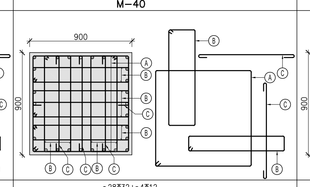
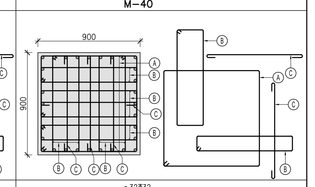
NON TOWER COLUMN DETAILS:

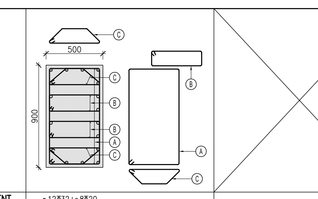
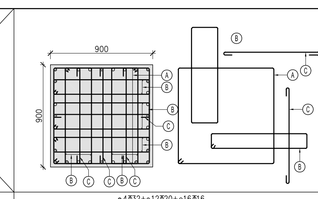
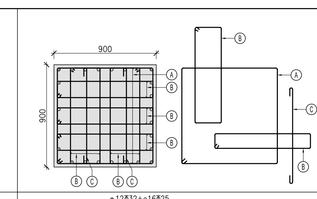
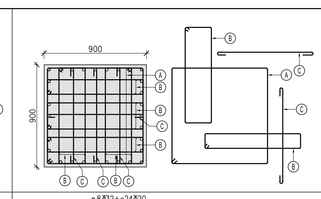
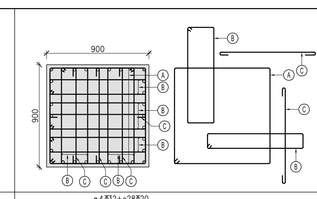
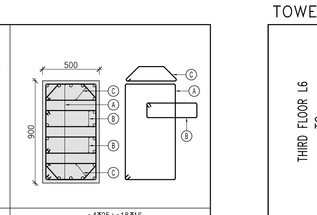
THIRD FLOOR L8 TO FIFTH FLOOR L10								
COL. REINFORCEMENT	4-Ø32+4-Ø25+4-12Ø20	12Ø25+4-Ø16	4-Ø32+2-Ø25	16Ø32+16Ø16	20Ø32+12Ø25	8Ø25+8Ø20+16Ø16	4-Ø32+8Ø20+2-Ø12	12Ø32+8Ø25+4-Ø20
COL. STIRRUPS(GEN.)	A B C Ø8@300C/C	A B Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B Ø8@300C/C
COL. SIZE	900X900	900X900	900X900	900X900	900X900	900X900	900X900	900X900
CONC. MIX	M-35	M-35	M-35	M-35	M-35	M-35	M-35	M-35

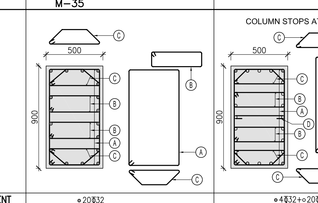
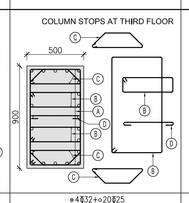
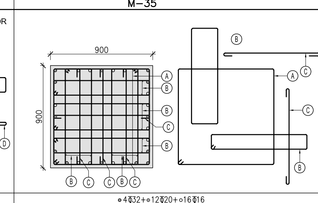
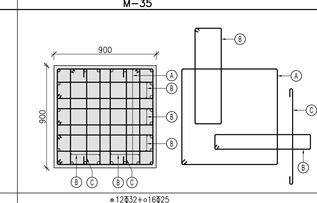
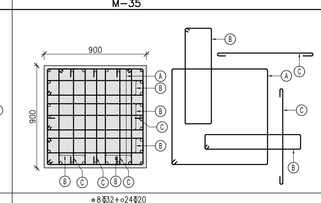
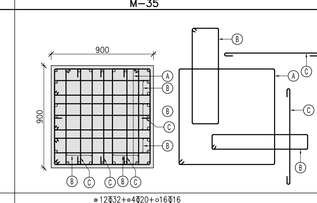
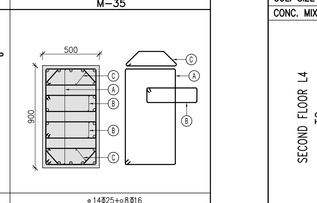
SECOND FLOOR L5 TO THIRD FLOOR L8								
COL. REINFORCEMENT	4-Ø32+8Ø25+16Ø20	12Ø25+4-Ø20	12Ø32+20Ø25	16Ø32+16Ø20	20Ø32+12Ø25	16Ø32+16Ø16	12Ø32+20Ø12	12Ø32+8Ø25+4-Ø20
COL. STIRRUPS(GEN.)	A B C Ø8@300C/C	A B Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B Ø8@300C/C
COL. SIZE	900X900	900X900	900X900	900X900	900X900	900X900	900X900	900X900
CONC. MIX	M-40	M-40	M-40	M-40	M-40	M-40	M-40	M-40

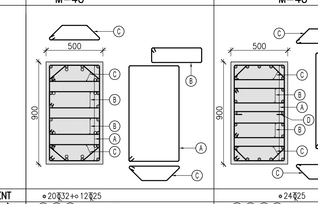
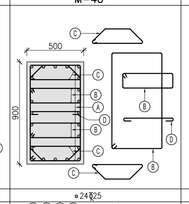
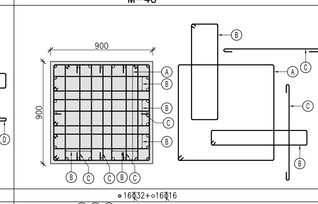
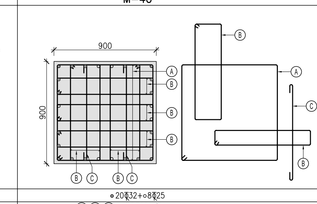
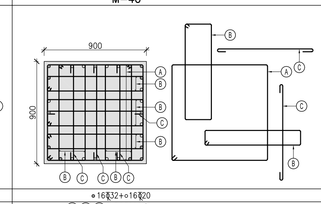
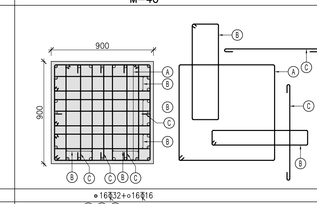
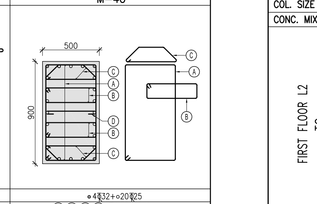
FIRST FLOOR MEZZANINE L3 TO SECOND FLOOR L5								
COL. REINFORCEMENT	4-Ø32+16Ø25+12Ø20	32Ø25	32Ø32	32Ø32+16Ø20	32Ø32	32Ø32	20Ø32+8Ø20+4-Ø12	16Ø32+16Ø25
COL. STIRRUPS(GEN.)	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C
COL. SIZE	900X900	900X900	900X900	900X900	900X900	900X900	900X900	900X900
CONC. MIX	M-40	M-40	M-40	M-40	M-40	M-40	M-40	M-40

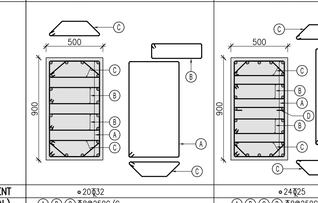
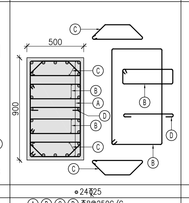
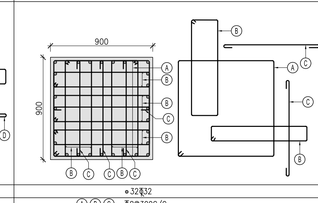
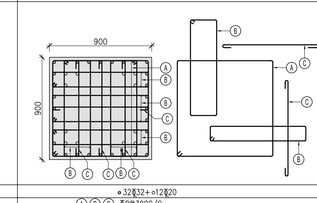
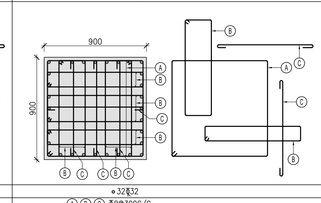
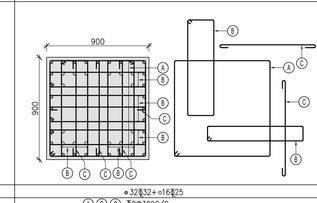
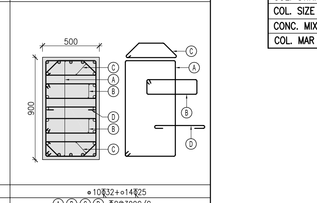
FIRST FLOOR LV2 TO FIRST FLOOR MEZZANINE L3								
COL. REINFORCEMENT	4-Ø32+2-Ø28Ø25	32Ø25	32Ø32	44Ø32+12Ø20	36Ø32	32Ø32+24Ø16	28Ø32+4-Ø12	32Ø32
COL. STIRRUPS(GEN.)	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C
COL. SIZE	900X900	900X900	900X900	900X900	900X900	900X900	900X900	900X900
CONC. MIX	M-40	M-40	M-40	M-40	M-40	M-40	M-40	M-40
COL. MAR	C1	C2	C3	C4	C5	C6	C7	C8

NON TOWER COLUMN DETAILS:

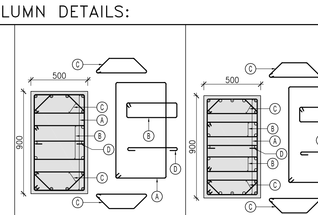
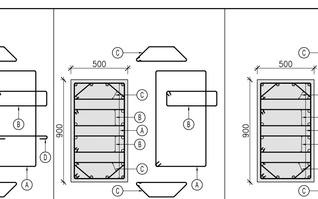
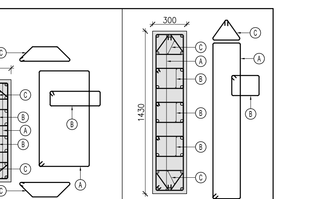
THIRD FLOOR L8 TO FIFTH FLOOR L10							
COL. REINFORCEMENT	12Ø32+8Ø20		4-Ø32+12Ø20+16Ø16	12Ø32+16Ø25	4-Ø32+24Ø20	4-Ø32+8Ø20	4-Ø25+18Ø16
COL. STIRRUPS(GEN.)	A B C Ø8@250C/C		A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C
COL. SIZE	500X900		900X900	900X900	900X900	900X900	500X900
CONC. MIX	M-35		M-35	M-35	M-35	M-35	M-35

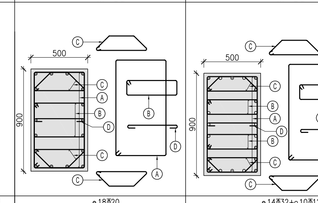
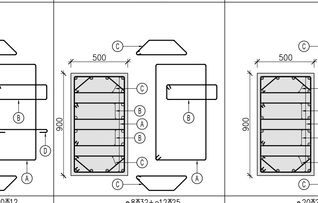
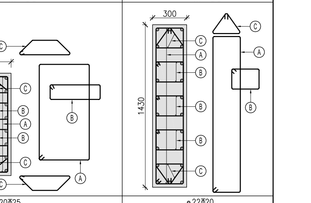
SECOND FLOOR L5 TO THIRD FLOOR L8		COLUMN STOPS AT THIRD FLOOR 					
COL. REINFORCEMENT	20Ø32	4-Ø32+20Ø25	4-Ø32+12Ø20+16Ø16	12Ø32+	4-Ø32+24Ø20	12Ø32+4-Ø20+16Ø16	14Ø25+8Ø16
COL. STIRRUPS(GEN.)	A B C Ø8@250C/C	A B C Ø8@250C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C
COL. SIZE	500X900	500X900	900X900	900X900	900X900	900X900	500X900
CONC. MIX	M-40	M-40	M-40	M-40	M-40	M-40	M-40

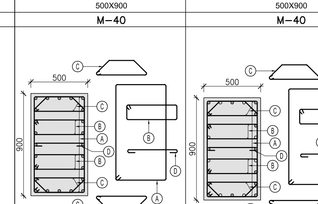
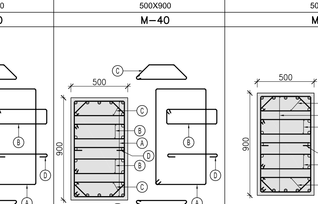
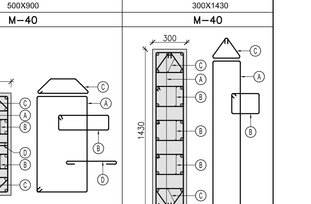
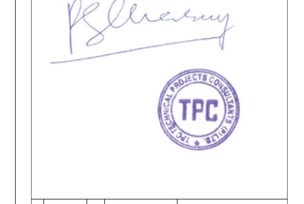
FIRST FLOOR MEZZANINE L3 TO SECOND FLOOR L5							
COL. REINFORCEMENT	20Ø32+12Ø25	4Ø25	16Ø32+16Ø16	20Ø32+8Ø25	16Ø32+16Ø20	16Ø32+16Ø16	8Ø32+20Ø25
COL. STIRRUPS(GEN.)	A B C Ø8@250C/C	A B C Ø8@250C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C
COL. SIZE	500X900	500X900	900X900	900X900	900X900	900X900	500X900
CONC. MIX	M-40	M-40	M-40	M-40	M-40	M-40	M-40

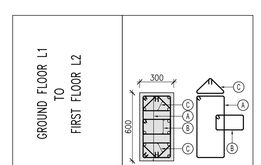
FIRST FLOOR LV2 TO FIRST FLOOR MEZZANINE L3							
COL. REINFORCEMENT	20Ø32	24Ø25	32Ø32	32Ø32+12Ø20	32Ø32	32Ø32+16Ø25	10Ø32+14Ø25
COL. STIRRUPS(GEN.)	A B C Ø8@250C/C	A B C Ø8@250C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C	A B C Ø8@300C/C
COL. SIZE	500X900	500X900	900X900	900X900	900X900	900X900	500X900
CONC. MIX	M-40	M-40	M-40	M-40	M-40	M-40	M-40
COL. MAR	C9	C10	C14	C15	C16	C17	C18

TOWER COLUMN DETAILS:

THIRD FLOOR L6 TO 5th FLOOR L9					
COL. REINFORCEMENT	12Ø20+6Ø16	10Ø32+14Ø12	8Ø32+12Ø20	8Ø25+12Ø16	10Ø20+12Ø12
COL. STIRRUPS(GEN.)	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C Ø8@250C/C
COL. SIZE	500X900	500X900	500X900	500X900	300X1430
CONC. MIX	M-35	M-35	M-35	M-35	M-35

SECOND FLOOR L4 TO THIRD FLOOR L6					
COL. REINFORCEMENT	18Ø20	14Ø32+10Ø12	8Ø32+12Ø25	20Ø25	22Ø20
COL. STIRRUPS(GEN.)	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C Ø8@250C/C
COL. SIZE	500X900	500X900	500X900	500X900	300X1430
CONC. MIX	M-40	M-40	M-40	M-40	M-40

FIRST FLOOR L2 TO SECOND FLOOR L4					
COL. REINFORCEMENT	24Ø20	16Ø32+8Ø12	10Ø32+14Ø25	10Ø32+14Ø25	22Ø20
COL. STIRRUPS(GEN.)	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C D Ø8@300C/C	A B C Ø8@250C/C
COL. SIZE	500X900	500X900	500X900	500X900	300X1430
CONC. MIX	M-40	M-40	M-40	M-40	M-40
COL. MAR	C11	C12	C13	C18T	C19

GROUND FLOOR L1 TO FIRST FLOOR L2		
COL. REINFORCEMENT	4-Ø16+10Ø12	
COL. STIRRUPS(GEN.)	A B C D Ø8@200C/C	
COL. SIZE	300X600	
CONC. MIX	M-40	
COL. MAR	EBC1	

NOTES :-

1. ALL DIMENSIONS ARE IN MM ONLY, UNLESS OTHERWISE SPECIFIED.
2. DO NOT SCALE THE DRAWING FOLLOW FIGURED DIMENSIONS ONLY.
3. READ THIS DRG. ALONG WITH ARCHITECTURAL DRG. IN CASE OF ANY DISCREPANCY BEING NOTED IT SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK.
4. THE CLEAR COVER SHOWN IN TABLE BELOW SHALL BE FROM THE OUTER FACE OF THE STRUCTURAL ELEMENT TO THE TIES FOR COLUMN AND SHEAR WALLS.

ITEM	GRADE OF CONCRETE	GRADE OF STEEL	CLEAR COVER
COLUMNS	M40	Fe500	40 mm

REFRENCE DRAWINGS:-

FOR COLUMN LAYOUT REFER DWG NO:- NIT-S-10A

LEGEND:

Ld – 36Ø WHERE # IS DIA OF BAR

RELEASED FOR CONSTRUCTION
14 AUG 2014
TECHNICAL PROJECTS CONSULTANTS
New Delhi-INDIA

No.	Date	By	Description	Issue
R0	14.08.2014		GENERAL REVISION	GOOD FOR CONSTRUCTION

Revisions

Key Plan

KEY PLAN

ARCHITECTS
InFORM ARCHITECTS
BENGALURU OFFICE
#408, SECOND FLOOR, 7th LANN ROAD
BANASHANKARI 3rd STAGE
BANGALORE-560085
PHOFAX: 080-26713555/61/62

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Job Title
GOLDEN JUBILEE BUILDING
NATIONAL INSTITUTE OF TECHNOLOGY,
ROURKELA

Drawing Title
COLUMN DETAILS

Job No.		Drawing No.
Drawn MAHMOOD	Checked CHABP	NIT-S-40D
Date 14.08.2014	Scale 1:25	Revisions R0