

SCHEDULE OF BEAM

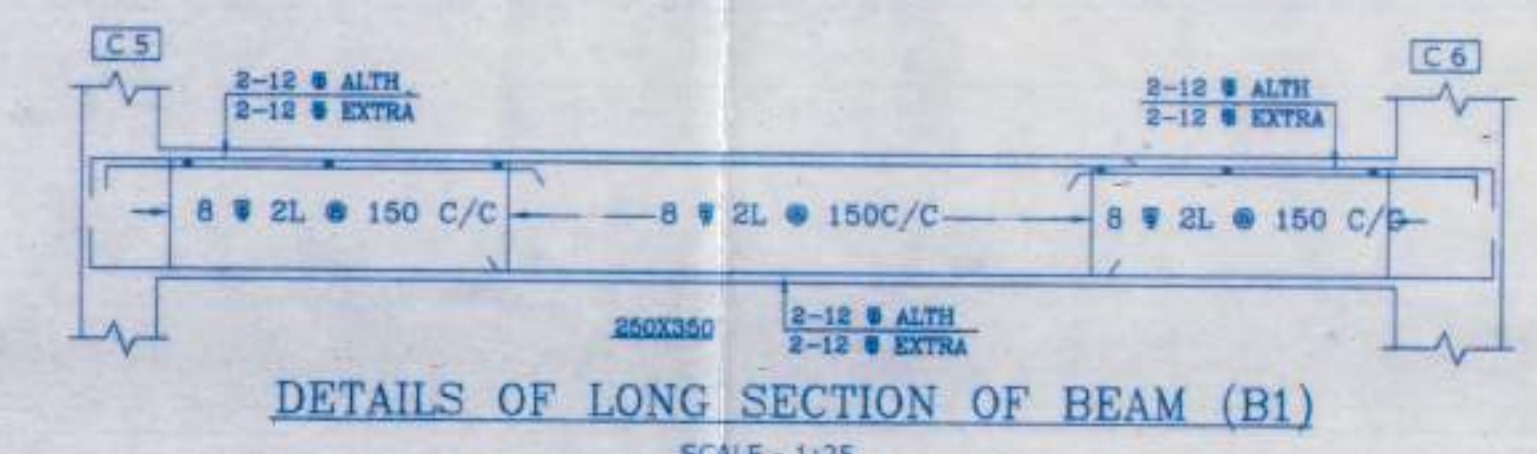
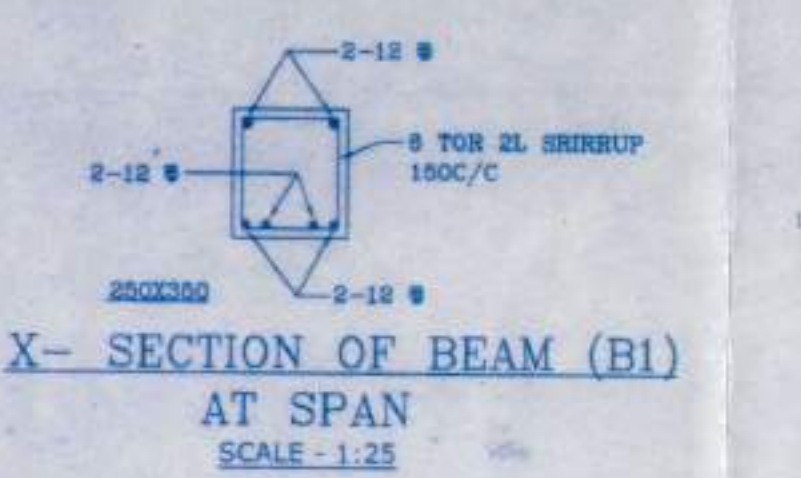
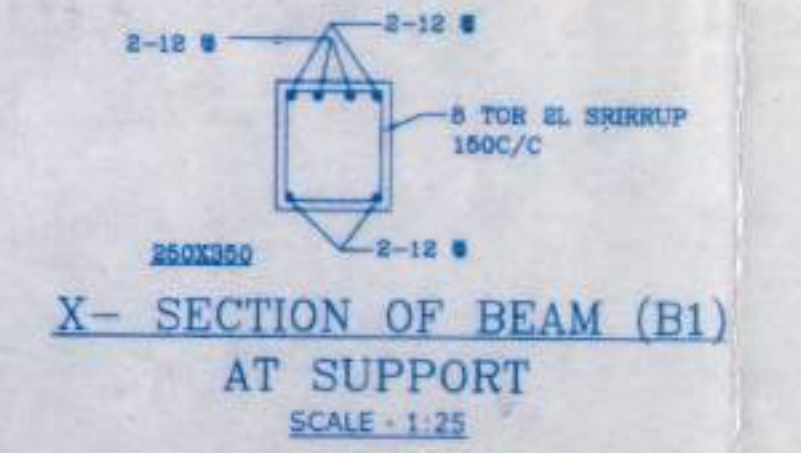
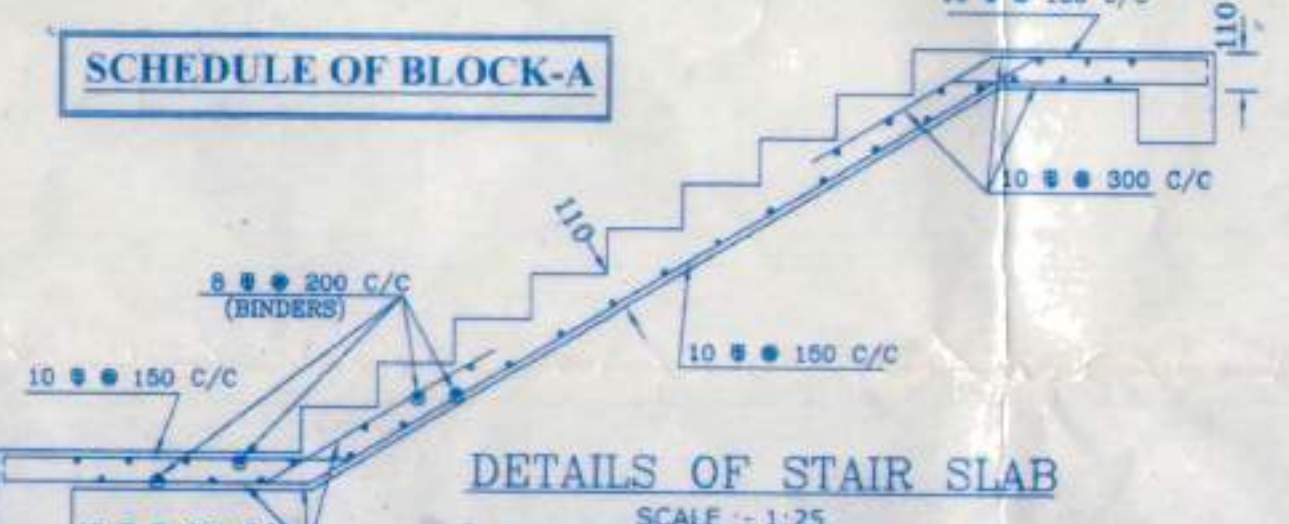
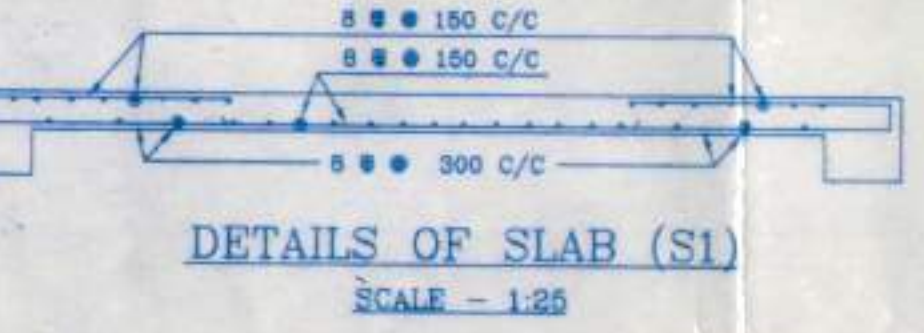
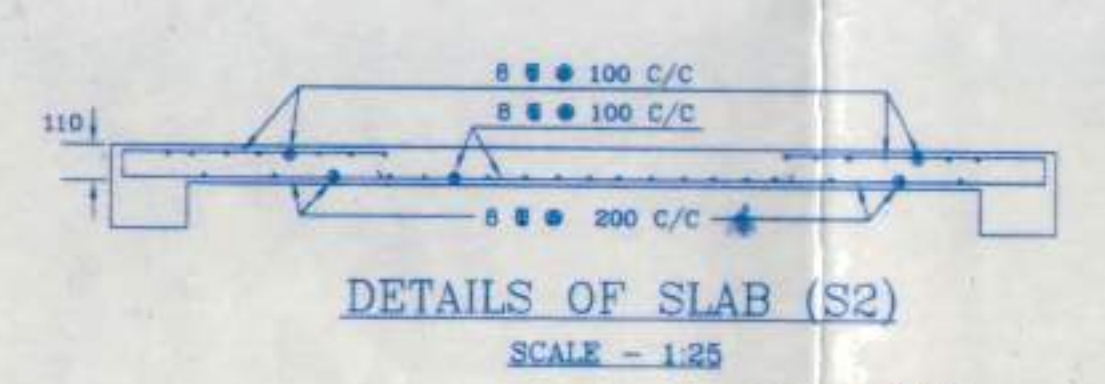
BEAM MARKED	SIZE OF BEAM (WIDTH x DEPTH) (mm)	SUPPORT REINFORCEMENT LONGITUDINAL REINFORCEMENT		SPAN REINFORCEMENT LONGITUDINAL REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B-1	250 X 350	2-12 Φ (ALTO) 2-12 Φ (EXTRA)	2-12 Φ (ALTO)	2-12 Φ (ALTO) 2-12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	
B-2	250 X 350	2-12 Φ (ALTO) 2-12 Φ (EXTRA)	2-16 Φ (ALTO)	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	
B-3	250 X 400	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	2-16 Φ (ALTO)	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	
B-4	250 X 400	3-16 Φ (ALTO) 3-16 Φ (EXTRA)	2-16 Φ (ALTO)	2-16 Φ (ALTO) 2-16 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	

SCHEDULE OF SLAB

SLAB MARKED	THICKNESS OF SLAB (MM)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION		STIRRUPS
		AT MIDDLE PORTION	AT END PORTION	AT MIDDLE PORTION	AT END PORTION	
S-1	110	8 Φ @ 150 MM C/C	8 Φ @ 150 MM C/C (TOP) & 300 MM C/C (BOTTOM)	8 Φ @ 150 MM C/C	8 Φ @ 300 MM C/C (TOP) & 300 MM C/C (BOTTOM)	8 Φ @ 150 MM C/C
S-2	110	8 Φ @ 100 MM C/C	8 Φ @ 100 MM C/C (TOP) & 200 MM C/C (BOTTOM)	8 Φ @ 100 MM C/C	8 Φ @ 200 MM C/C (TOP) & 200 MM C/C (BOTTOM)	8 Φ @ 100 MM C/C

SCHEDULE OF TIE-BEAM

SIZE OF BEAM (WIDTH x DEPTH) (MM)	SUPPORT REINFORCEMENT LONGITUDINAL REINF.		SPAN REINFORCEMENT LONGITUDINAL REINF.		STIRRUPS
	TOP	BOTTOM	TOP	BOTTOM	
250 X 350	4-12 Φ	2-12 Φ	2-12 Φ	4-12 Φ	8 Φ @ 150 MM C/C



SCHEDULE OF PILE & PILE CAP

PILE CAP MARKED	COLUMN MARKED	DIA OF PILE (MM)	NO. OF PILES UNDER EACH CAP	LENGTH OF EACH PILE FROM EGL (M)	COL. FROM EGL (M)	TOTAL NOS. OF PILE
PC-1	C-1, C-2, C-3, C-4, C-7, C-8, C-9, C-15, C-21, C-22, C-24, C-29, C-34	450	2	20500	1500	38
PC-2	C-3, C-4, C-10, C-11, C-12, C-13, C-14, C-17, C-18, C-19, C-20, C-23, C-26, C-27, C-28, C-31, C-32, C-33	450	3	20500	1500	54
TOTAL NO. OF PILES						92

SCHEDULE OF COLUMN

COLUMN MARKED	COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND FLOOR LEVEL		COLUMN SIZE & REINFORCEMENT FROM 2ND FLOOR LEVEL TO ROOF LEVEL		
	SIZE (MM)	REINFORCEMENT	SIZE (MM)	REINFORCEMENT	
C-1, C-2, C-3, C-4, C-7, C-8, C-9, C-15, C-21, C-22, C-24, C-29, C-34	250 X 400	8 NOS. 16 Φ	250 X 400	4 NOS. 16 Φ + 4 NOS. 12 Φ	
C-5, C-6, C-10, C-11, C-12, C-13, C-14, C-17, C-18, C-19, C-20, C-23, C-26, C-27, C-28, C-31, C-32, C-33	250 X 450	8 NOS. 16 Φ	250 X 450	4 NOS. 16 Φ + 4 NOS. 12 Φ	
C-16, C-18, C-25, C-30, C-33, C-35, C-36, C-37	250 X 450	8 NOS. 16 Φ	250 X 450	4 NOS. 16 Φ + 4 NOS. 12 Φ	
TOTAL NO. OF PILES					92

SCHEDULE OF PILE & PILE CAP

PILE CAP MARKED	COLUMN MARKED	DIA OF PILE (MM)	NO. OF PILES UNDER EACH CAP	LENGTH OF EACH PILE FROM EGL (M)	COL. FROM EGL (M)	TOTAL NOS. OF PILE
PC-1	C-1, C-2, C-3, C-4, C-7, C-8, C-9, C-15, C-21, C-22, C-24, C-29, C-34	450	2	20500	1500	38
PC-2	C-3, C-4, C-10, C-11, C-12, C-13, C-14, C-17, C-18, C-19, C-20, C-23, C-26, C-27, C-28, C-31, C-32, C-33	450	3	20500	1500	54
TOTAL NO. OF PILES						92

SCHEDULE OF BEAM

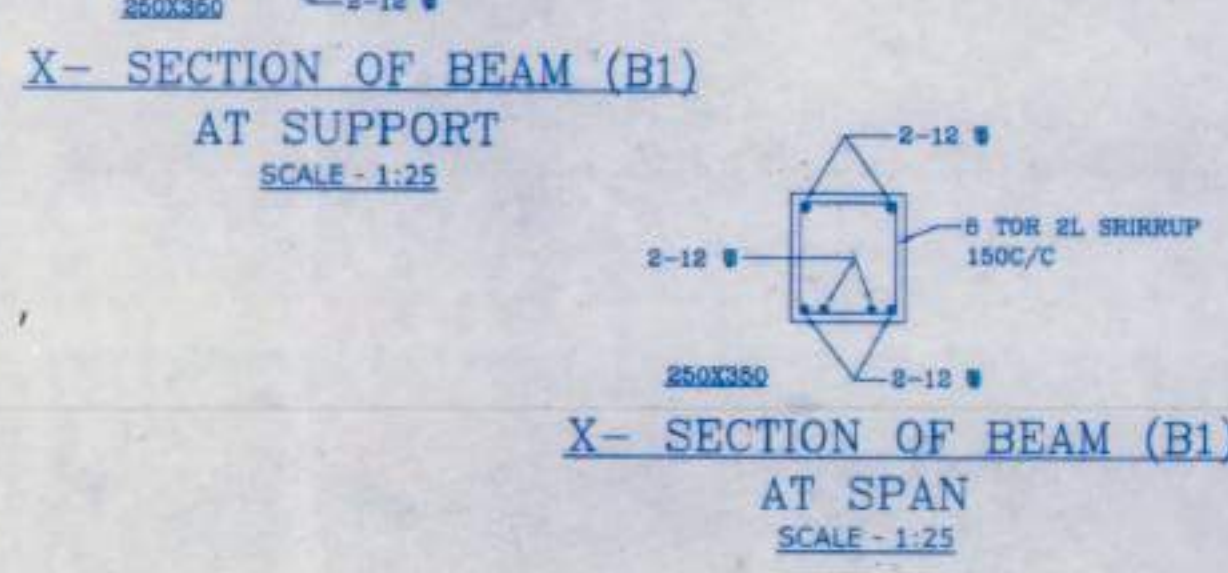
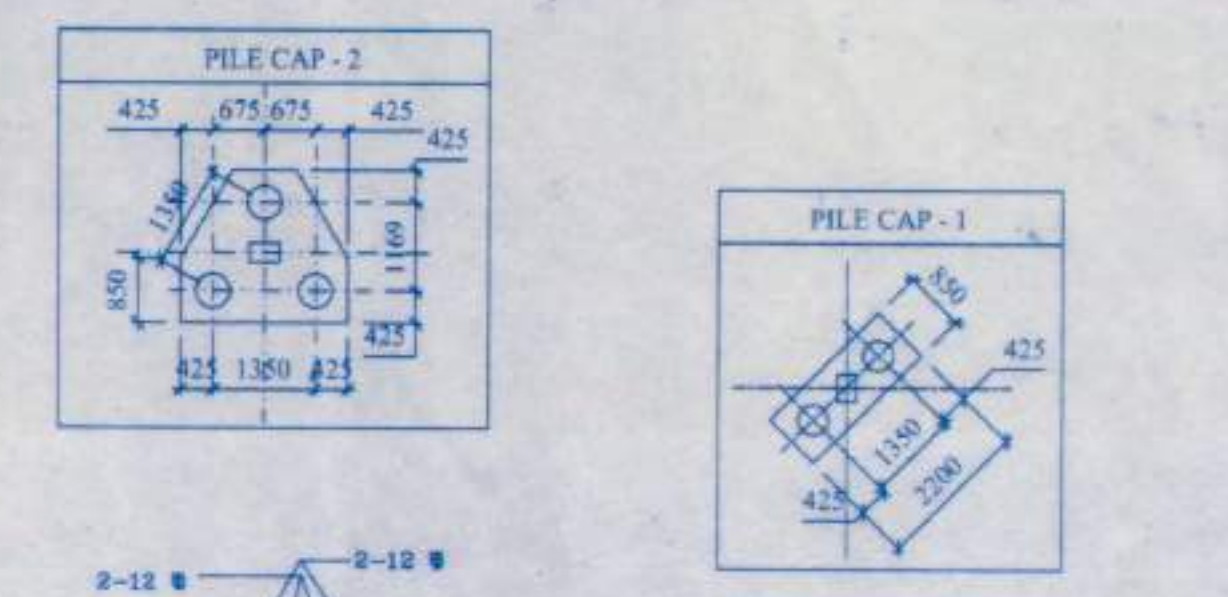
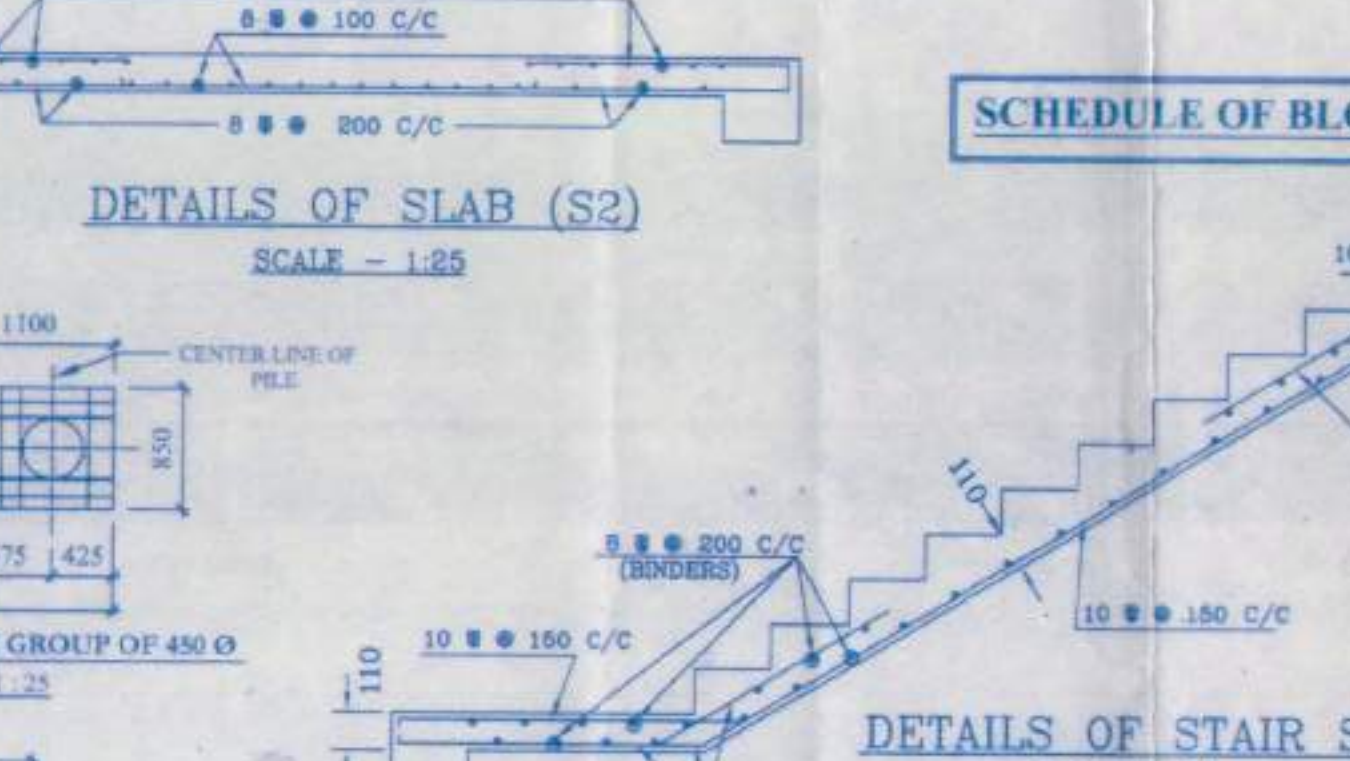
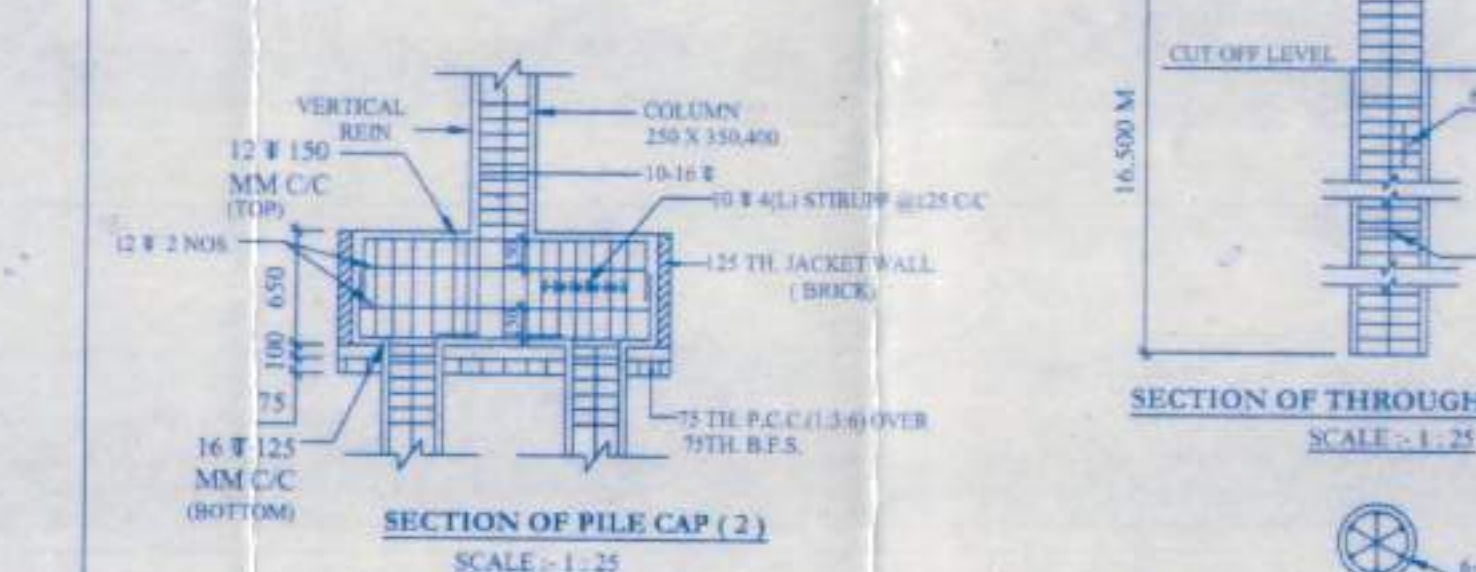
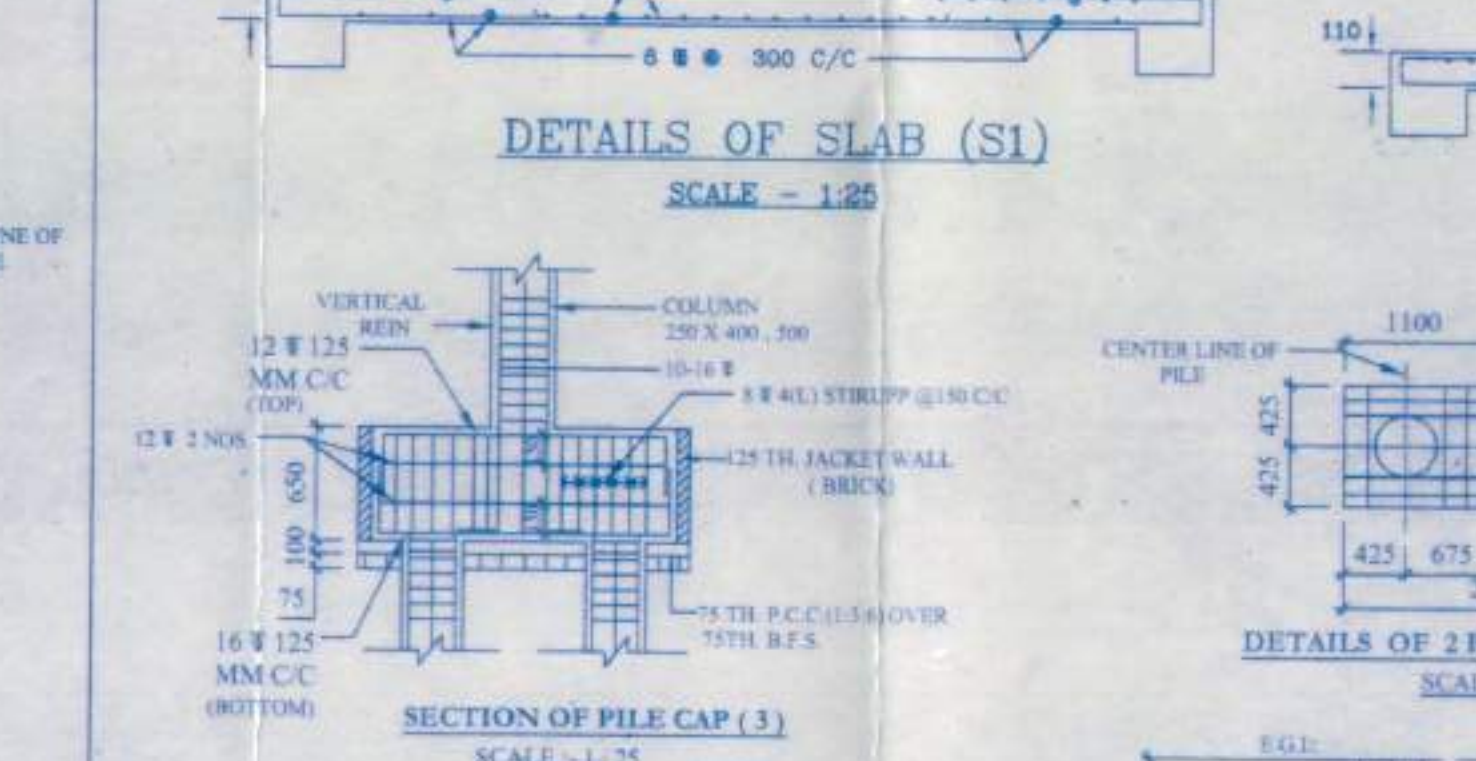
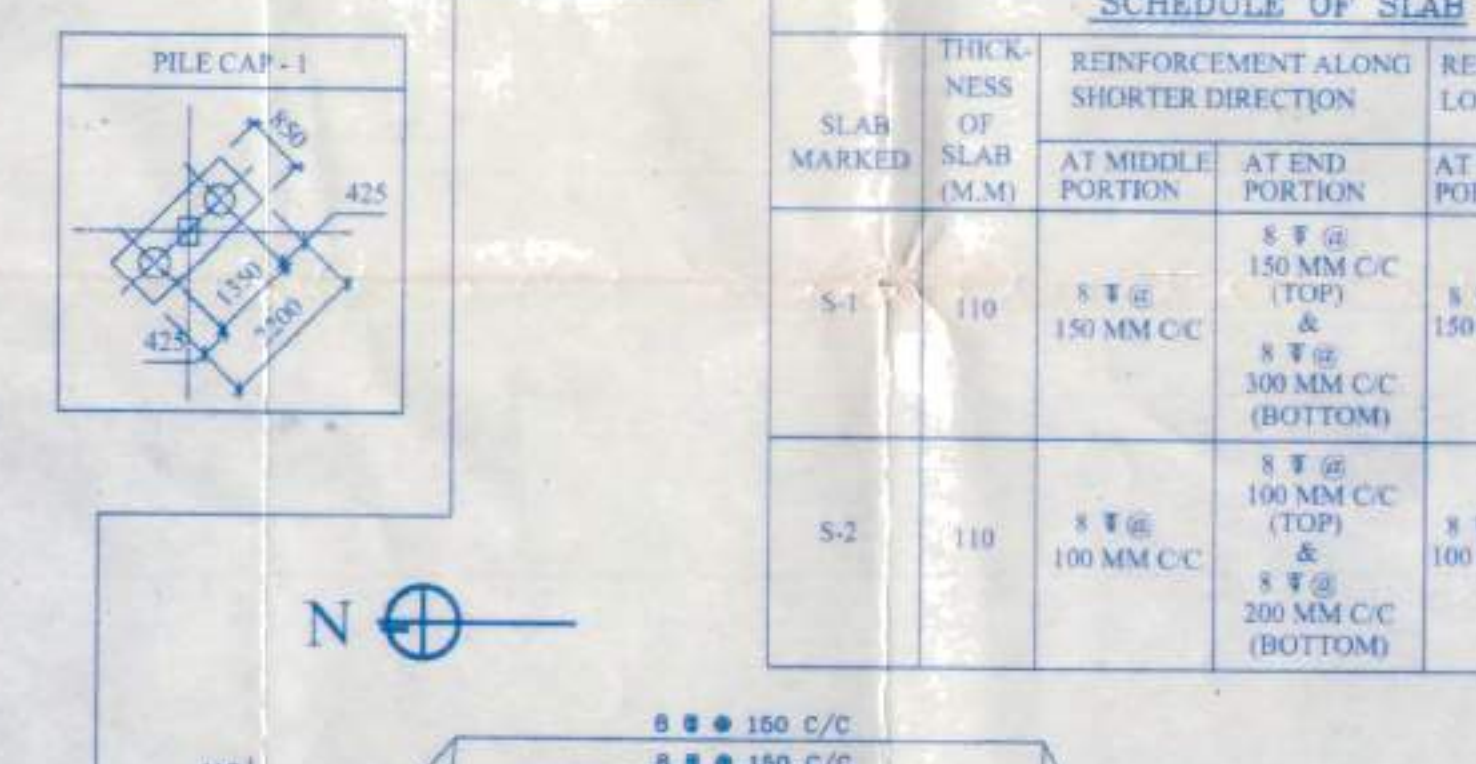
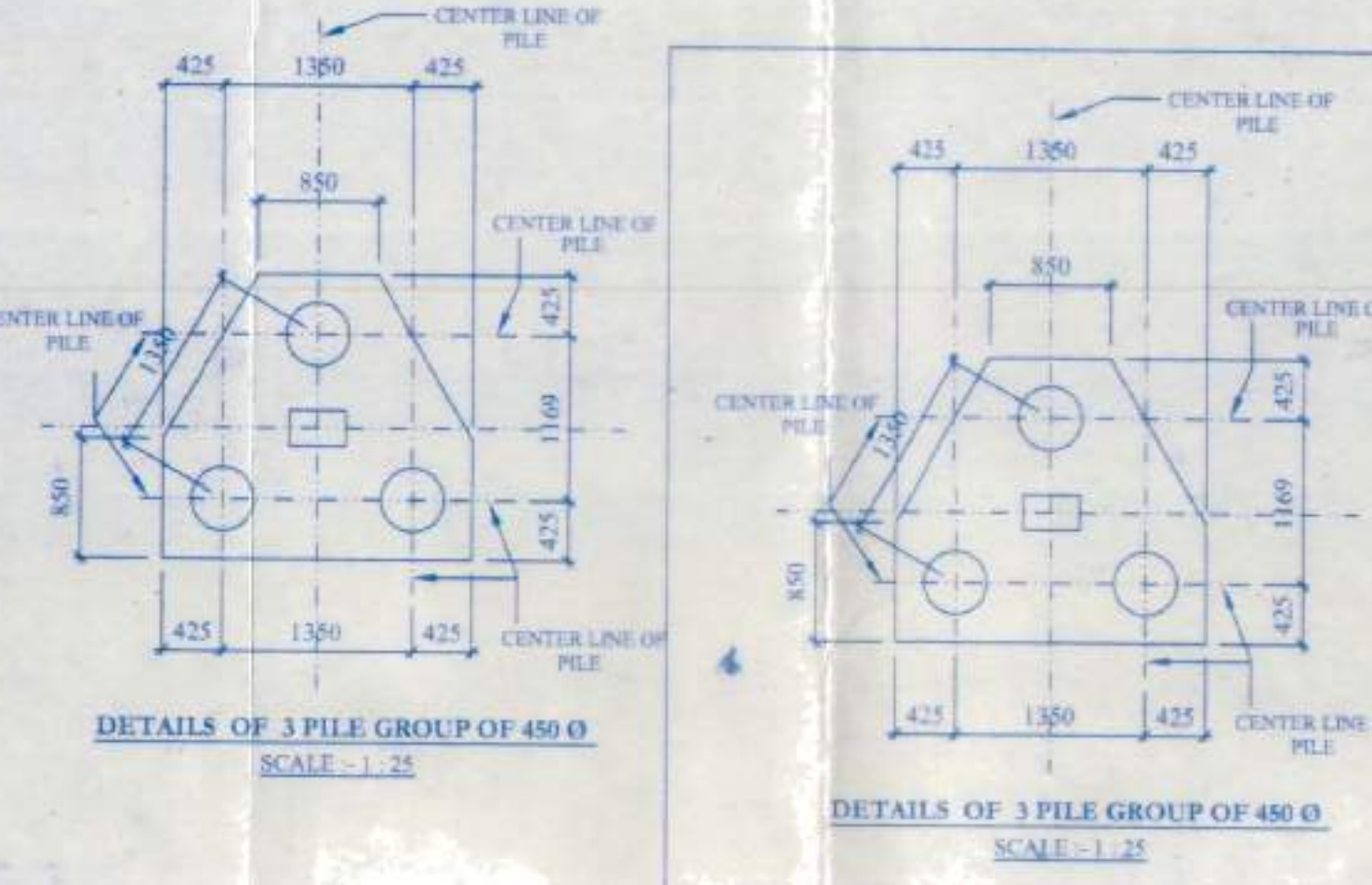
BEAM MARKED	SIZE OF BEAM (WIDTH x DEPTH) (mm)	SUPPORT REINFORCEMENT LONGITUDINAL REINFORCEMENT		SPAN REINFORCEMENT LONGITUDINAL REINFORCEMENT		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B-1	250 X 350	2-12 Φ (ALTO) 2-12 Φ (EXTRA)	2-12 Φ (ALTO)	2-12 Φ (ALTO) 2-12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	
B-2	250 X 350	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	2-16 Φ (ALTO)	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	
B-3	250 X 400	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	2-16 Φ (ALTO)	2-16 Φ (ALTO) 2-12 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	
B-4	250 X 400	3-16 Φ (ALTO) 3-16 Φ (EXTRA)	2-16 Φ (ALTO)	2-16 Φ (ALTO) 2-16 Φ (EXTRA)	8 Φ @ (2-L) 150 MM C/C	

SCHEDULE OF TIE-BEAM

SIZE OF BEAM (WIDTH x DEPTH) (MM)	SUPPORT REINFORCEMENT LONGITUDINAL REINF.		SPAN REINFORCEMENT LONGITUDINAL REINF.		STIRRUPS
	TOP	BOTTOM	TOP	BOTTOM	
250 X 350	4-12 Φ	2-12 Φ	2-12 Φ	4-12 Φ	8 Φ @ 150 MM C/C

SCHEDULE OF COLUMN

COLUMN MARKED	COLUMN SIZE & REINFORCEMENT FROM FOUNDATION TO 2ND FLOOR LEVEL		COLUMN SIZE & REINFORCEMENT FROM 2ND FLOOR LEVEL TO ROOF LEVEL		
	SIZE (MM)	REINFORCEMENT	SIZE (MM)	REINFORCEMENT	
C-1, C-2, C-3, C-4, C-7, C-8, C-9, C-15, C-21, C-22, C-24, C-29, C-34	250 X 400	8 NOS. 16 Φ	250 X 400	4 NOS. 16 Φ + 4 NOS. 12 Φ	
C-5, C-6, C-10, C-11, C-12, C-13, C-14, C-17, C-18, C-19, C-20, C-23, C-26, C-27, C-28, C-31, C-32, C-33	250 X 450	8 NOS. 16 Φ	250 X 450	4 NOS. 16 Φ + 4 NOS. 12 Φ	
C-16, C-18, C-25, C-30, C-33, C-35, C-36, C-37	250 X 450	8 NOS. 16 Φ	250 X 450	4 NOS. 16 Φ + 4 NOS. 12 Φ	
TOTAL NO. OF PILES					92



STRUCTURAL DRAWING OF A PROPOSED G+III STORED RESIDENTIAL BUILDING AT PREMISES NO. -51/10, SRJANI, WARD NO. -143, BOROUGH -XVI.

- SPECIFICATIONS:-**
- DEPTH OF FOUNDATION IS AT 1.50 M BELOW EX. G.L.
 - SAFE BEARING CAPACITY OF SOIL IS AS PER SOIL TEST REPORT.
 - GRADE OF CONC. IS M-30 AND GRADE OF STEEL IS Fe-500.
 - CLEAR COVER TO MAIN REIN. IS AS PER BELOW -
a) FOUNDATION - 75 MM. b) COLUMN - 40 MM.
c) BEAM - 25 MM. d) SLAB - 30 MM.
 - ALL SLABS MUST BE CAST MONOLITHIC WITH SUPPORTING BEAM.
 - ALL OTHER SPECIFICATIONS ARE AS PER NATIONAL BUILDING CODE OF INDIA.
- THE STRUCTURAL DESIGN AND DRAWINGS OF BOTH FOUNDATION AND SUPER-STRUCTURE OF THIS BUILDING HAS BEEN MADE BY ME ON THE BASIS OF SOIL INVESTIGATION REPORT MADE BY CREATIVE STATICAL CONCERN, 48C ARCADEA EXTENSION, BDL - 700 094 SIGNED BY T. B. PATRAJI CONSIDERING THAT ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER NATIONAL BUILDING CODE OF INDIA LETTER REVISION & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

DEBABRATA GHOSH
E.S.E. NO. - 1/228
SIS. OF STRUCTURAL ENGINEER

Handwritten Signature
SIGNATURE OF L.S.T. ARCHITECT

Handwritten Signature
MANISH AGRAWAL

SRI ANIL KUMAR AGRAWAL
SMT. MANISHA AGRAWAL
SIGNATURE OF OWNERS

Pilling
Cancer

Substructure
Plan

PARTY'S COPY

RESIDENTIAL BUILDING **DEVIATION WOULD MEAN DEMOLITION**

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

THE SANCTION IS VALID UP TO 11/10/2022

Structural plan and design calculation as submitted by the structural engineer have been read with S. P. No. 017/600/4, Date 10/10/16 for record of the Kothari Union Corporation without sanction. No deviation from the submitted structural plan should be made at the time of execution without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form. Necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction.

Signature
REGISTERED ENGINEER/STRUCTURAL ENGINEER
BANGALORE NO. XVI

