

**SCHEDULE OF COLUMN**

COL. MKD.	REINFORCEMENT LINK	REINFORCEMENT LINK	REINFORCEMENT LINK	REINFORCEMENT LINK	REINFORCEMENT LINK
C1, C11, C15, C16, C23, C28	LINK	LINK	LINK	LINK	LINK
C2, C3, C4, C5, C7, C8, C9, C10, C17, C21, C24	LINK	LINK	LINK	LINK	LINK
C6, C20, C25, C26, C27	LINK	LINK	LINK	LINK	LINK

**SCHEDULE OF TIE BEAMS**

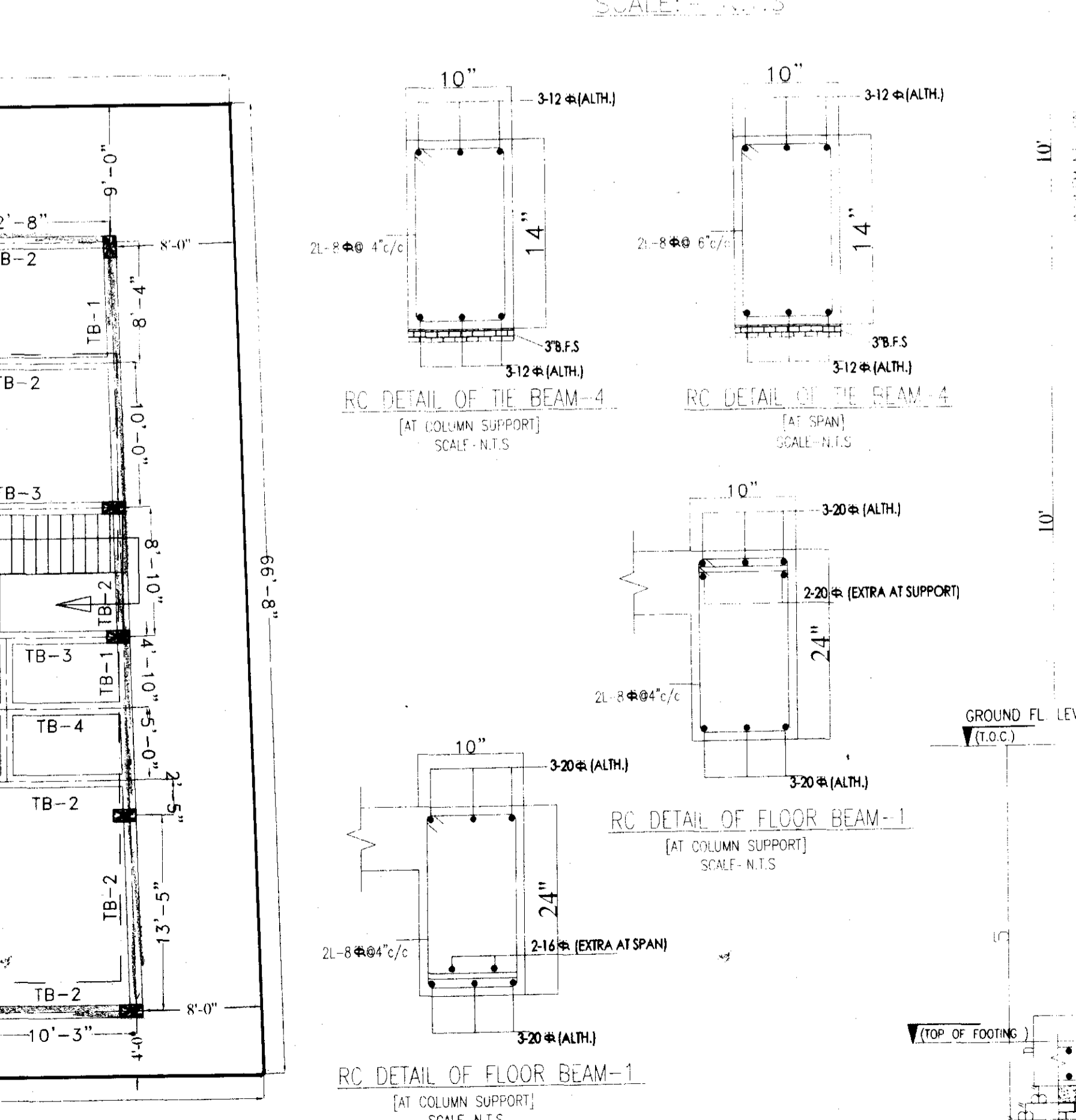
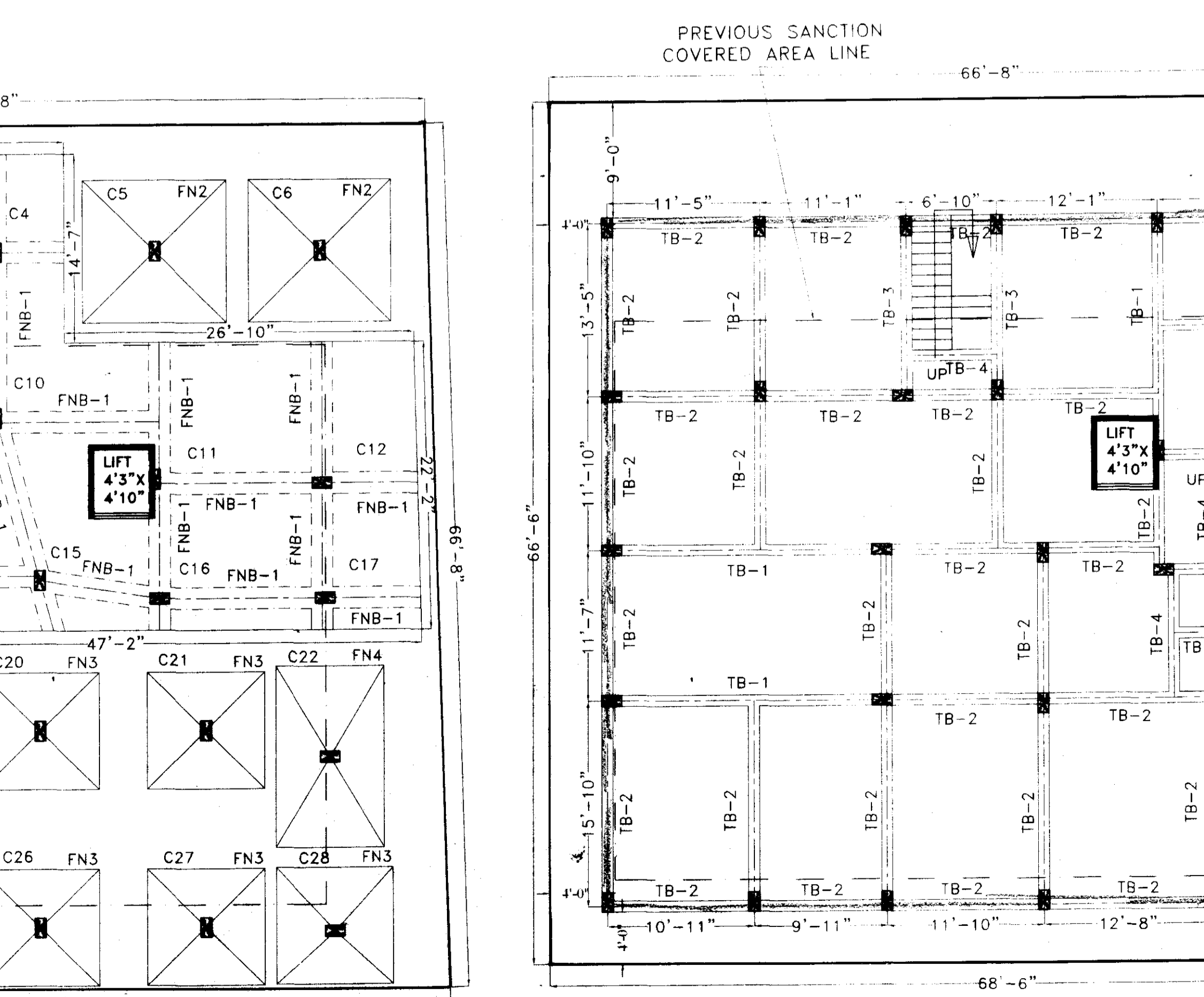
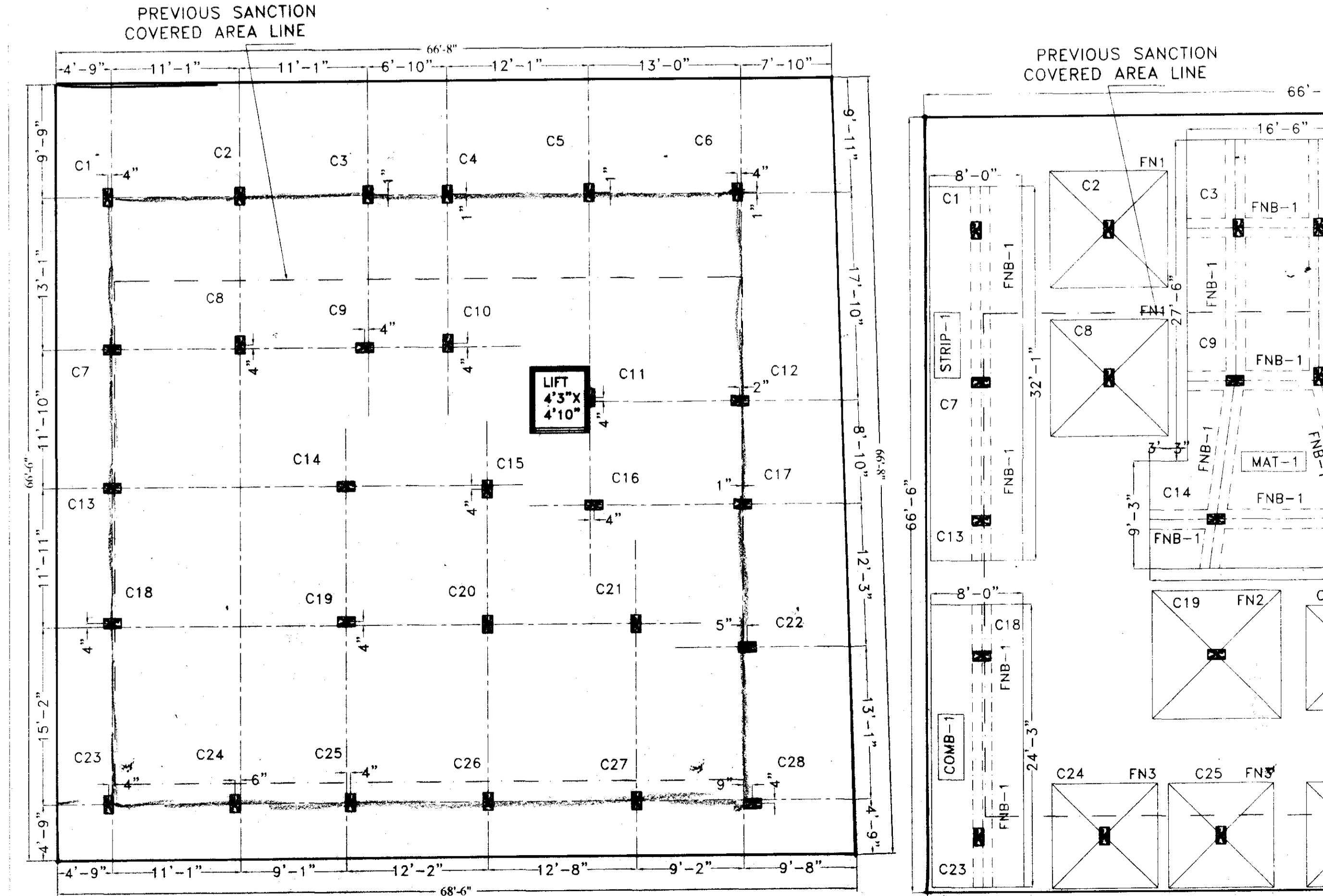
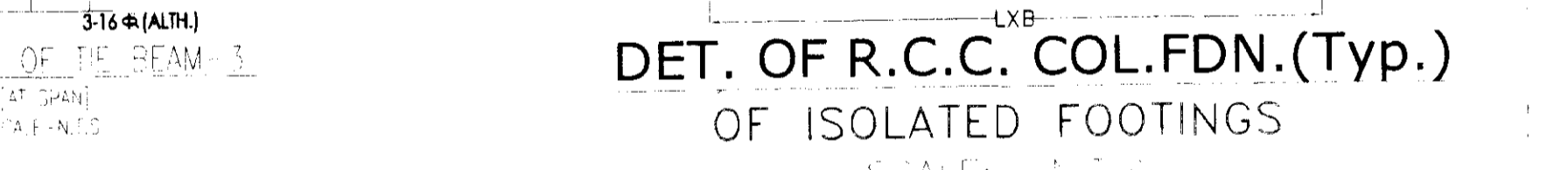
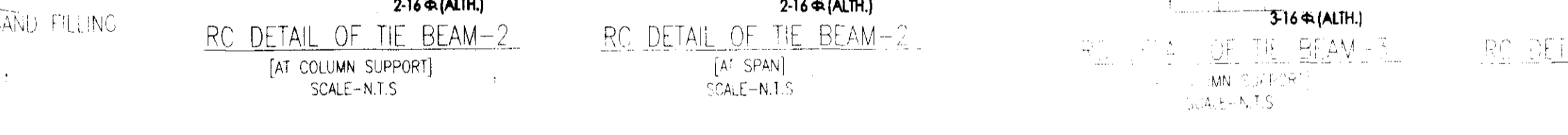
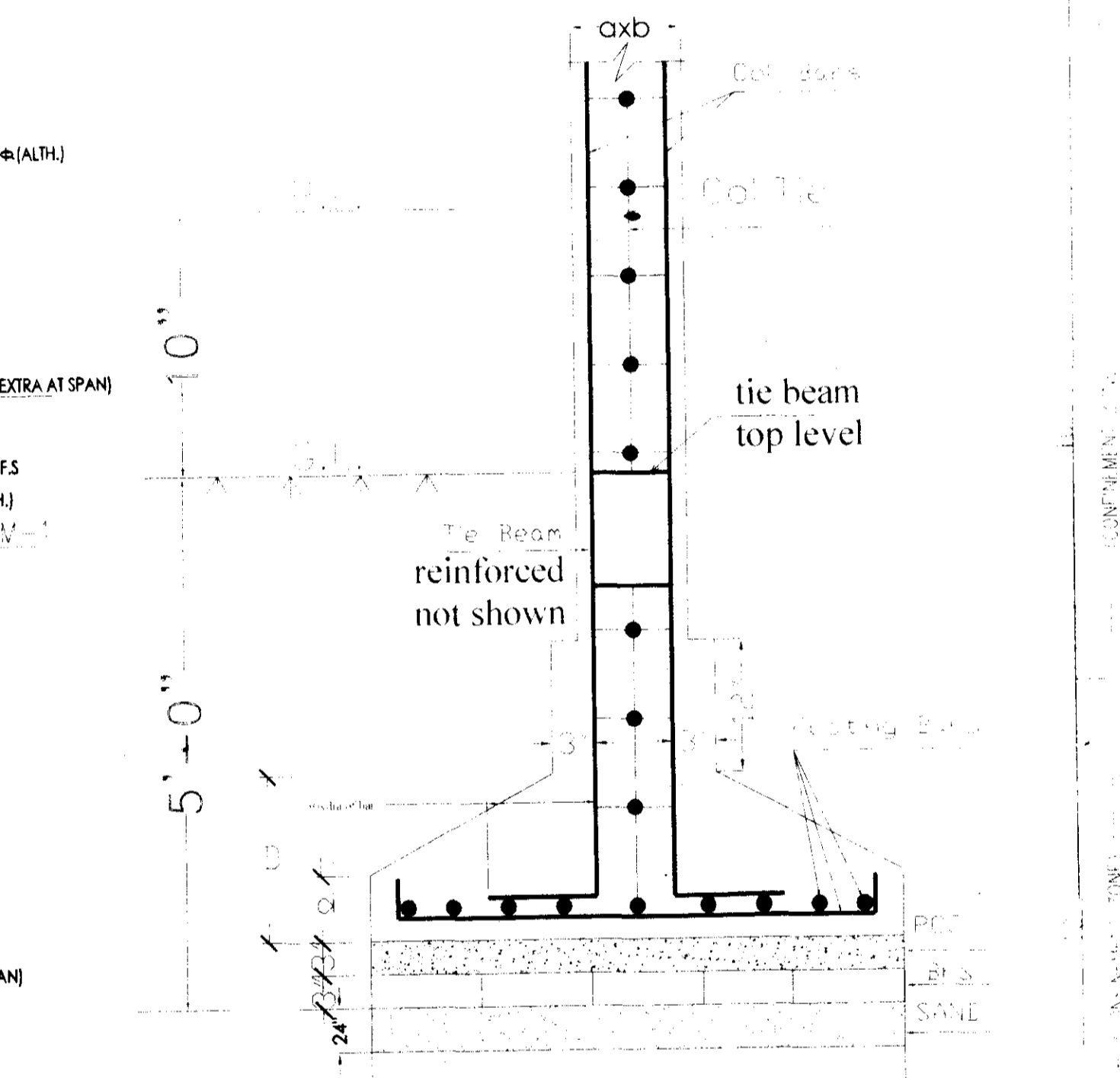
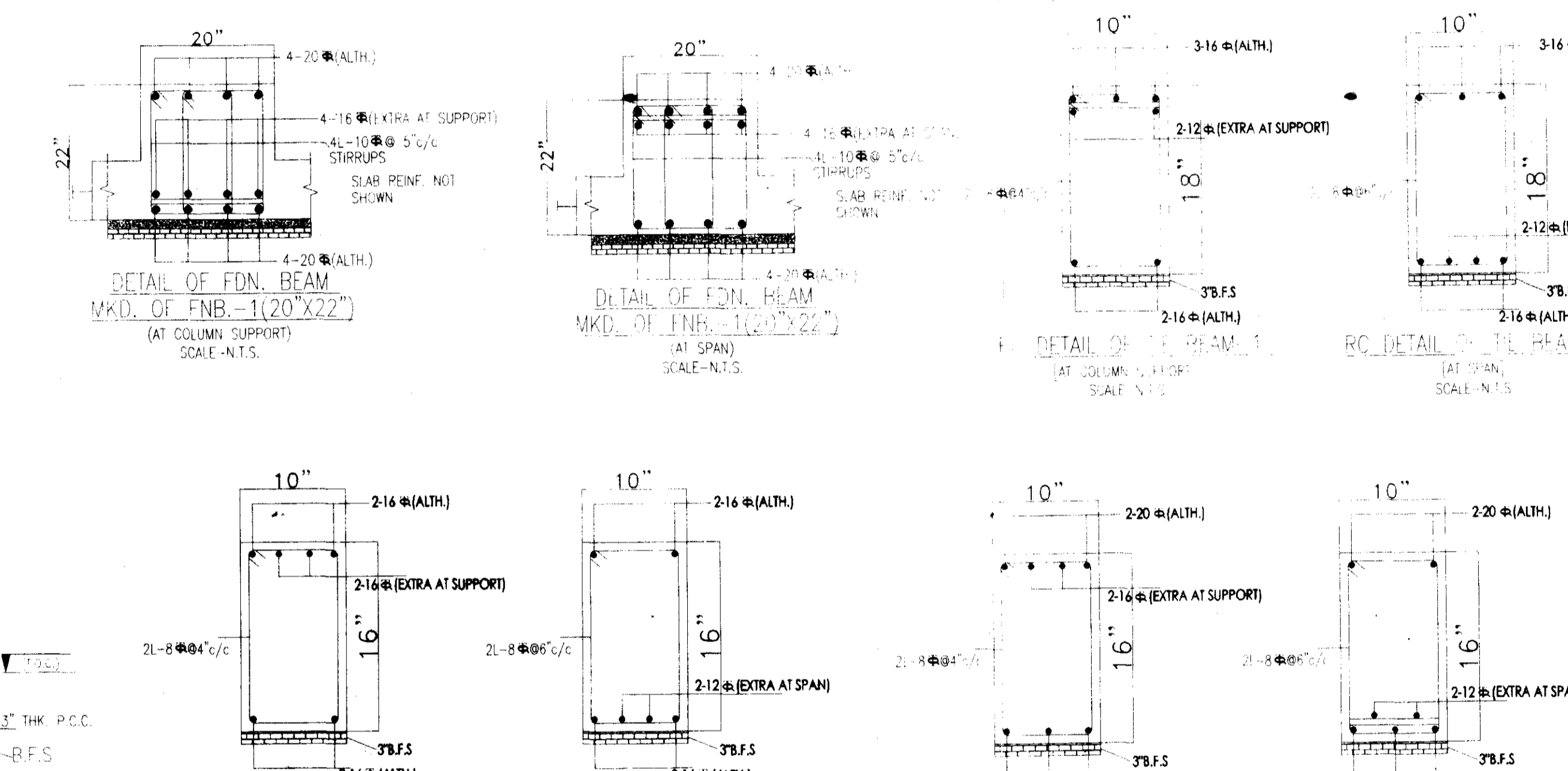
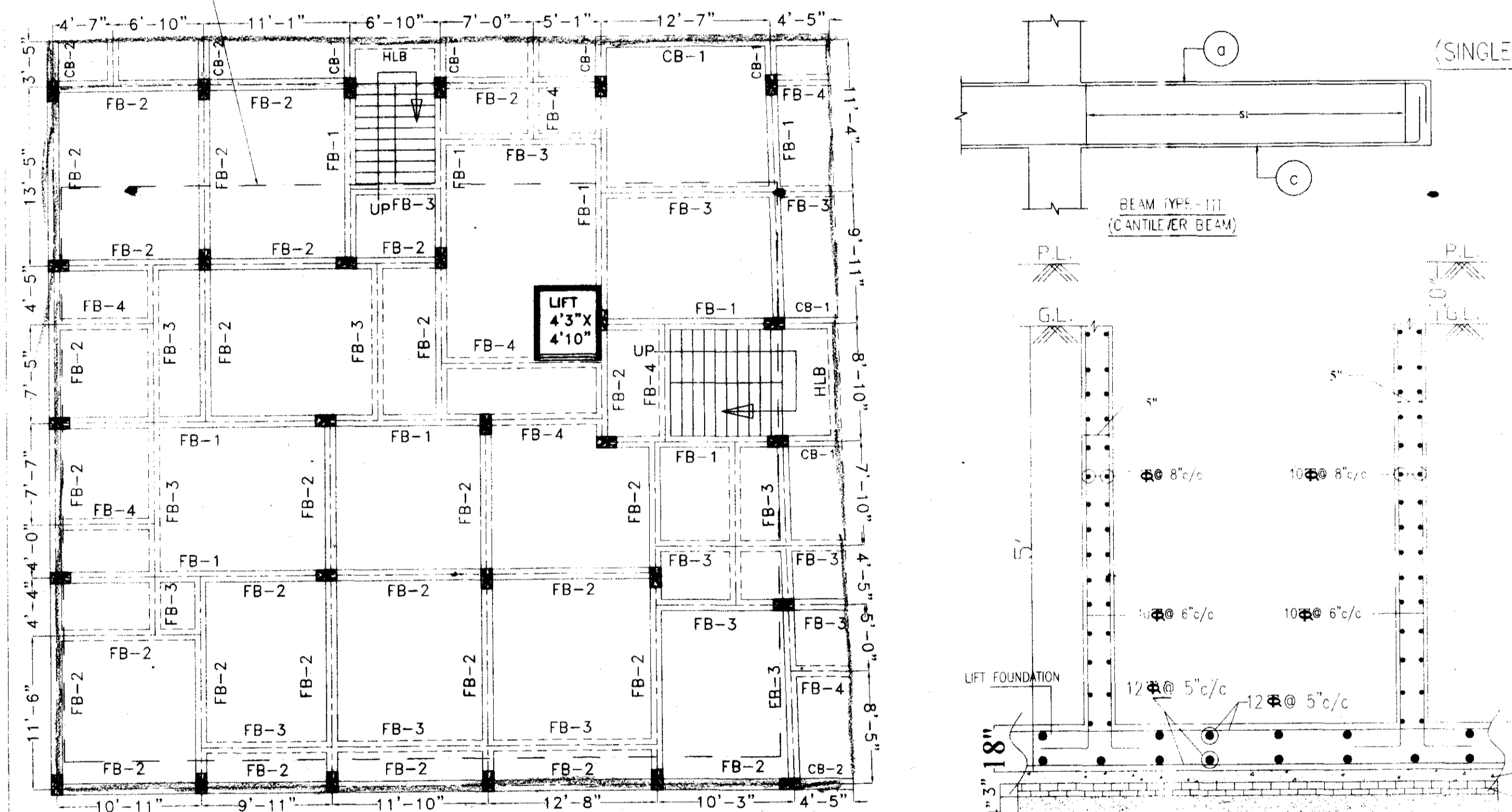
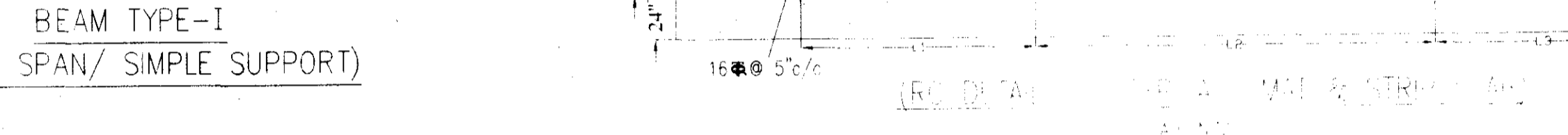
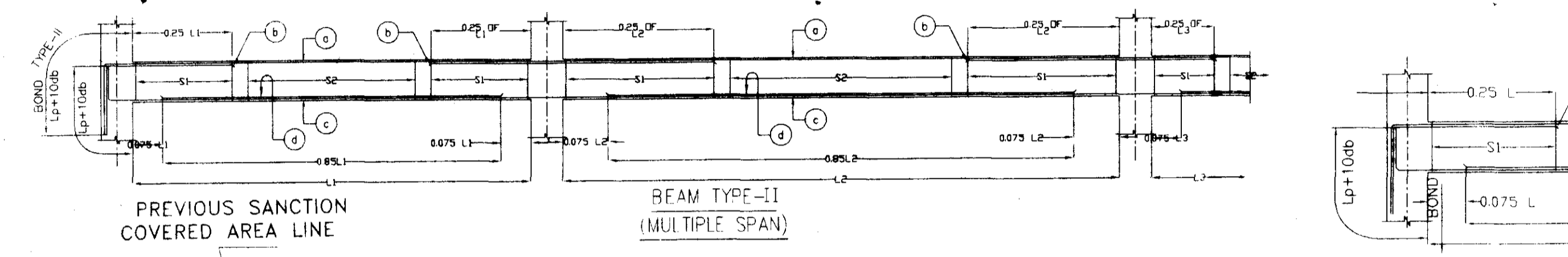
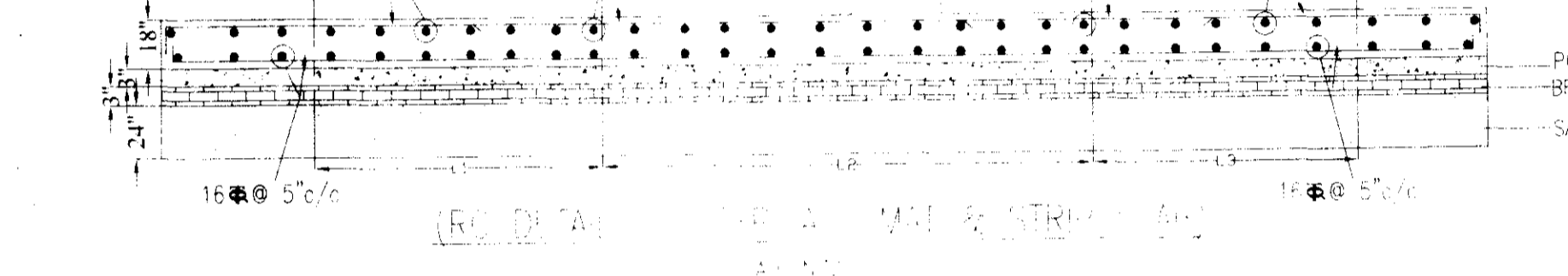
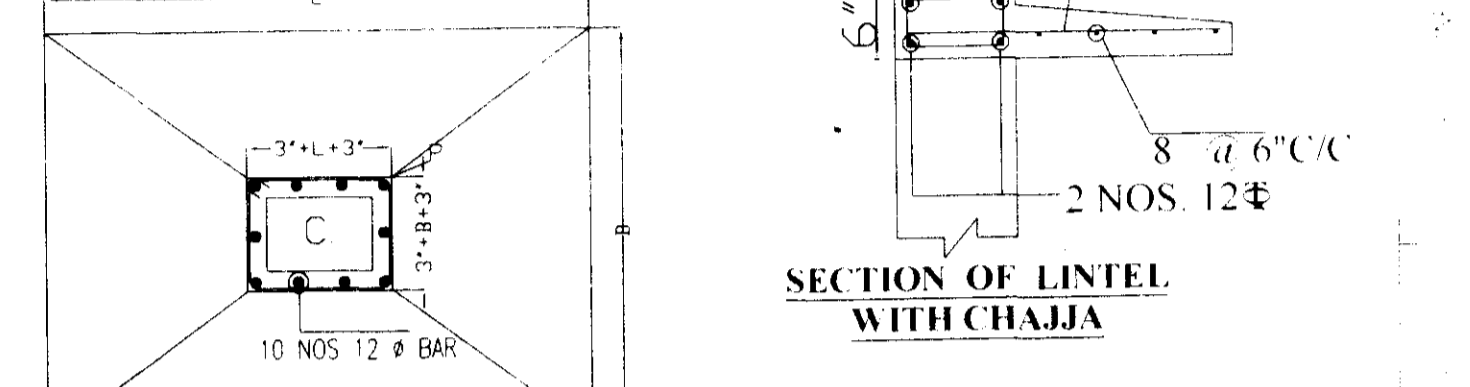
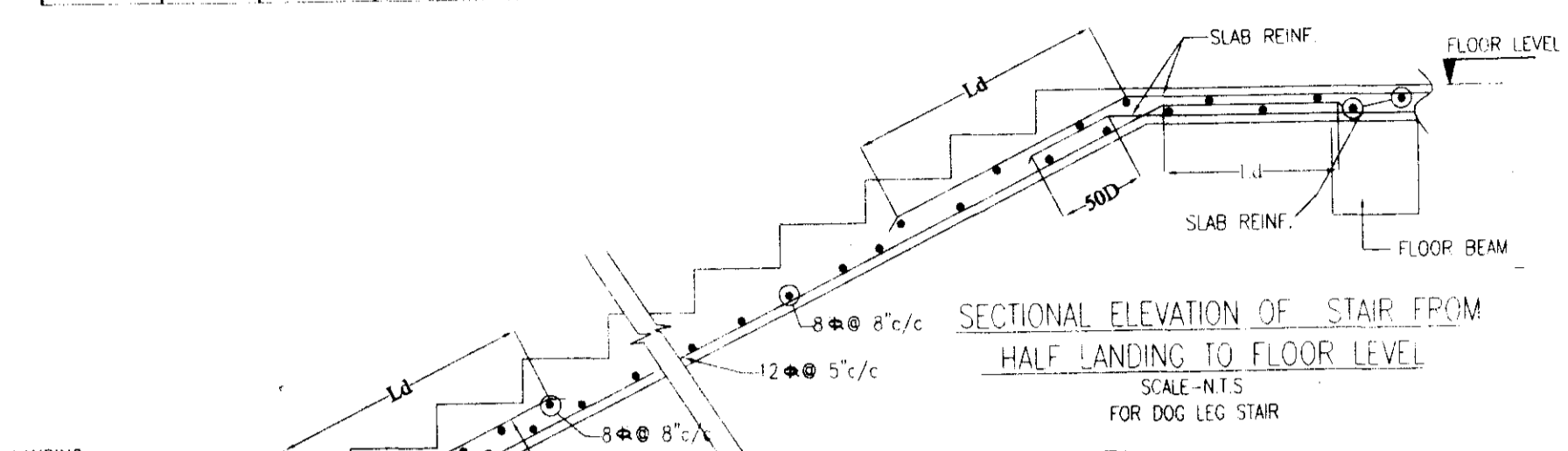
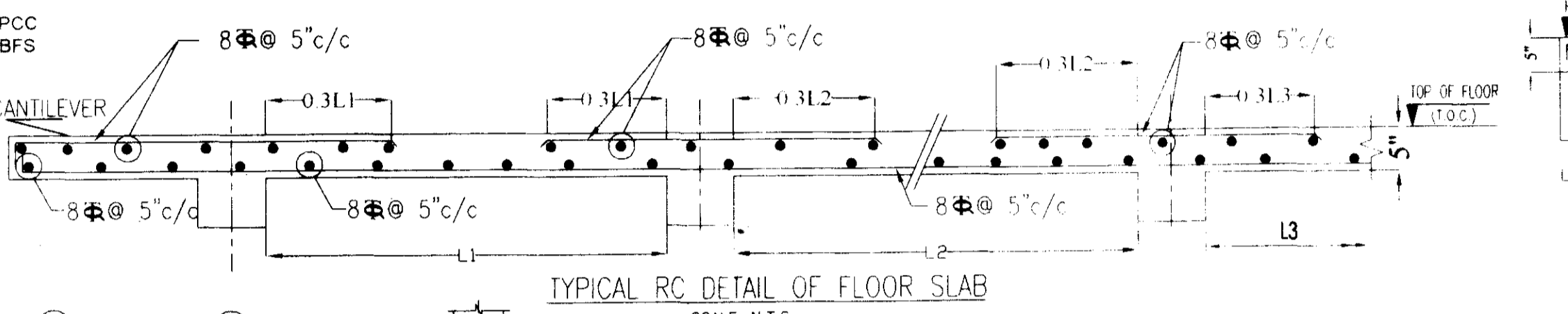
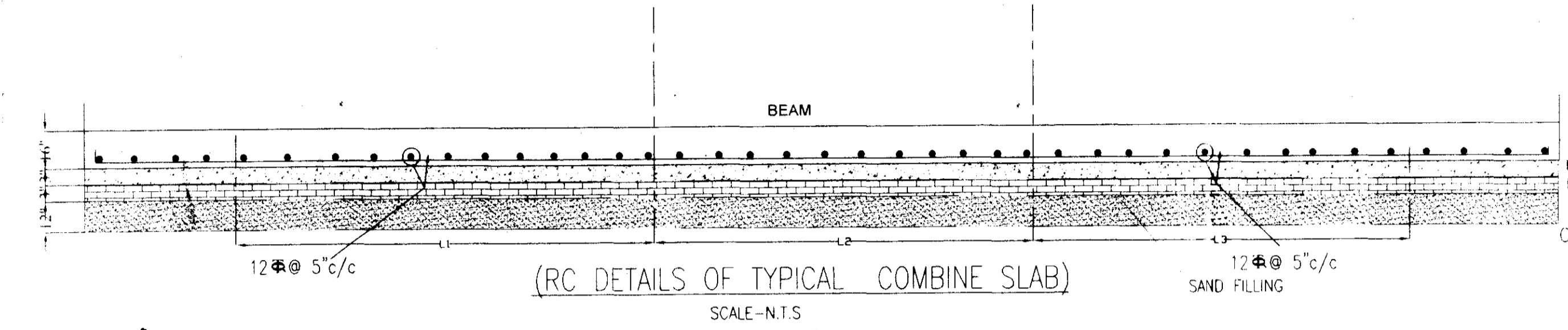
BEAM MKD.	BEAM TYPE	BEAM SIZE		REINFORCEMENTS				STIRRUPS		SIDE REIN. EACH FACE	REMARKS
		WIDTH	DEPTH	TOP	EXT. TOP	BOTTOM	EXT. BOTTOM	S1	S2		
TB-1	II	10"	18"	3-16#	2-12#	2-16#	2-12#	2L-8# @ 4"/c	2L-8# @ 6"/c	-	TIE BEAM
TB-2	II	10"	16"	2-16#	2-16#	2-16#	2-12#	2L-8# @ 4"/c	2L-8# @ 6"/c	-	TIE BEAM
TB-3	II	10"	16"	2-20#	2-16#	3-16#	2-12#	2L-8# @ 4"/c	2L-8# @ 6"/c	-	TIE BEAM
TB-4	II	10"	14"	3-12#	-	3-12#	-	2L-8# @ 4"/c	2L-8# @ 6"/c	-	TIE BEAM

**SCHEDULE OF FLOOR BEAMS**

BEAM MKD.	BEAM TYPE	BEAM SIZE		REINFORCEMENTS				STIRRUPS		SIDE REIN. EACH FACE	REMARKS
		WIDTH	DEPTH	TOP	EXT. TOP	BOTTOM	EXT. BOTTOM	S1	S2		
FB-1	II	10"	24"	3-20#	2-20#	3-20#	2-16#	2L-8# @ 4"/c	2L-8# @ 5"/c	-	FLOOR BEAM
FB-2	II	10"	20"	3-20#	3-16#	3-20#	2-16#	2L-8# @ 4"/c	2L-8# @ 5"/c	-	FLOOR BEAM
FB-3	II	10"	18"	2-20#	2-20#	2-20#	2-16#	2L-8# @ 4"/c	2L-8# @ 5"/c	-	FLOOR BEAM
FB-4	II	10"	16"	2-14#	2-16#	2-16#	3-12#	2L-8# @ 4"/c	2L-8# @ 5"/c	-	FLOOR BEAM
CB-1	III	10"	24"	5-20# (a)	2-20# (a)	5-20# (a)	-	2L-8# @ 4"/c	2L-8# @ 5"/c	-	CONCRETE BEAM
CB-2	III	10"	20"	3-20# (a)	3-16# (a)	3-20# (a)	-	2L-8# @ 4"/c	2L-8# @ 5"/c	-	CONCRETE BEAM
HLB	II	10"	20"	3-16#	3-16#	3-16#	3-16#	2L-8# @ 4"/c	2L-8# @ 5"/c	-	LANDING BEAM
MB	II	10"	10"	3-16#	-	3-16#	-	2L-8# @ 4"/c	2L-8# @ 5"/c	-	MEAN BEAM

**SCHEDULE OF FOOTING**

FOOTING MKD.	L X B	FOOTING THICKNESS	BOTTOM REINFORCEMENT BOTH WAY		TOP REINFORCEMENT BOTH WAY	
			FOOTING DEPTH (D)	(d)	(D)	(d)
STRIP-1	SHOWN IN LAYOUT	18" (T)	16 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.
COMB-1	SHOWN IN LAYOUT	16" (T)	16 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.
MAT-1	SHOWN IN LAYOUT	18" (T)	16 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.
FN1	10'0" X 10'0"	14"	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.
FN2	11'0" X 11'0"	16"	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.
FN3	9'0" X 9'0"	14"	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.
FN4	8'4" X 14'0"	16"	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.	12 # TOR @ 5" C/C BOTH DIRE.



1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS, TERMS AND CONDITIONS, SPECIFICATIONS AND SCHEDULE OF ITEMS.  
 2. ALL DIMENSIONS ARE IN MILLIMETRE & LEVEL ARE IN METRE UNLESS NOTED OTHERWISE.  
 3. ALL REINFORCING STEEL SHALL BE HIGH YIELD STRENGTH DEFORMED BARS MARKED CONFORMING TO IS: 1786 (Fe-500).  
 4. GRADE OF CONCRETE SHALL BE M25.  
 5. ALL HOOKS, BENDS AND LAPS IN REINFORCEMENT SHALL CONFORM TO IS:2502 (LATEST REVISION) UNLESS NOTED OTHERWISE.  
 6. PLAIN CEMENT CONCRETE (PCC) UNDER FOUNDATION SHALL BE OF GRADE M10 UNLESS NOTED OTHERWISE.  
 7. REINFORCEMENT SHALL SUITABLY BE ADJUSTED AT SITE IF REQUIRED TO MAKE CLEAR SPACE FOR POCKETS, ANCHOR BOLTS ETC.  
 8. MINIMUM LAP LENGTH SHALL BE SIXTYFOUR OF BAR UNLESS NOTED OTHERWISE. LAPS SHALL BE STAGGERED AS FAR AS POSSIBLE. MINIMUM DISTANCE BETWEEN TWO STAGGERED LAP SHALL BE 0.5X DIA. OF BAR. NOT MORE THAN 50% OF THE BAR CAN BE LAPPED AT A SINGLE LOCATION. STIRRUPS SPACING SHALL BE 150d/c AT A LOCATION WHERE LONGITUDINAL BARS ARE LAPPED.  
 9. SOIL USED FOR BACKFILLING TO BE FREE FROM BLACK COTTON SOIL, ROOTS, VEGETATION ETC.  
 10. FDN. TO REST ON VIRGIN SOIL. IF EXCESS EXCAVATION IS OBSERVED/ENCOUNTERED AT SITE, THE SAME TO BE FILLED UP BY PCC TO THE DESIRED LEVEL.  
 11. THE FOUNDATION HAS BEEN DESIGNED CONSIDERING "NASBC" AS PER GEOTECHNICAL INVESTIGATION REPORT.  
 12. WHERE A SECONDARY OR TERTIARY BEAM IS RESTING ON ANOTHER BEAM, EXTRA 2 NOS SETS OF STIP. OF 12 DIA. BAR TO BE PROVIDED ON EACH SIDE.  
 NOMINAL COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS STATED OTHERWISE:  
 SUBSTRUCTURE WORKS: BOTTOM (mm) 40, SIDES (mm) 40, TOP (mm) 40  
 COLUMNS, TIE BEAM FOUNDATION: 50, 50, 50  
 SUPERSTRUCTURE WORKS: COLUMNS 40, BEAMS 30, SLABS (FLOOR) 20, LINTEL, CHAJJA, BANDS etc. 20

THIS DRAWING SHALL BE READ ALONG WITH RELEVANT ARCHITECTURAL & STRUCTURAL DRAWINGS, WHEREVER REFERRED TO. ON FLOOR SLAB, IF NOT ABOVE BEAM, EXTRA 2 NOS OF 12T BARS SHALL BE PROVIDED IN SLAB BEHIND WALL, WHEREVER BEAM DEPTH IS GREATER THAN 750 MM. 2 NOS 16 MM BAR IS TO BE PROVIDED EACH SIDE OF BEAM.  
 PROJECT NAME -  
 REVISED STRUCTURAL PLAN OF GROUND, FIRST, SECOND, THIRD & FOURTH FLOOR RESIDENTIAL (FLAT) CUM COMMERCIAL BUILDING AT BEJIKHALI LANE, HOLDING NO - 52, WARD NO - 15 UNDER KRISHNANAGAR MUNICIPALITY, P.S - KOTWALI, KRISHNANAGAR, DIST - NADIA.

PROJECT ADDRESS -  
 J.L. NO-92, MOUZA - KRISHNANAGAR, PLOT NO. R.S -2942/25531, L.R - 6928, KHATIAN NO - R.S-7620 (L.R-51658, 10089/1, 58164, 3174, 3595, 1823, [AS PER DEED], KHATIAN NO- 58739, 58740, 58741 [AS PER DEED]

LAND DETAILS  
 LAND OF AREA - (10.85 SATAK AS PER PORCHA), (10.85 SATAK AS PER DEED), (10.32 SATAK AS PER MEASUREMENT)

NOTES -  
 1. REVISED GROUND FLOOR EXTENSION COVERED AREA - 1048.04 SQ.FT  
 2. REVISED FIRST FLOOR EXTENSION COVERED AREA - 1048.04 SQ.FT  
 3. REVISED SECOND FLOOR EXTENSION COVERED AREA - 1048.04 SQ.FT  
 4. REVISED THIRD FLOOR EXTENSION COVERED AREA - 1048.04 SQ.FT  
 5. REVISED FOURTH FLOOR EXTENSION COVERED AREA - 1048.04 SQ.FT

PREVIOUS SANCTION PLAN DATE - 28/10/2023  
 AIN NO - [SWS-OBPAS/2006/2021/0879]

AREA STATEMENT	PREVIOUS SANCTION COVERED AREA (SQ.FT)	REVISED EXTENSION COVERED AREA (SQ.FT)	PREVIOUS SANCTION REVISION EXTENSION COVERED AREA (SQ.FT)	PARKING (SQ.FT)
GROUND FLOOR	2324.16	1048.04	3372.20	1192.39
FIRST FLOOR	2324.16	1048.04	3372.20	GROUND FLOOR PLINTH AREA=2800.99 SQ.FT
SECOND FLOOR	2324.16	1048.04	3372.20	
THIRD FLOOR	2324.16	1048.04	3372.20	
FOURTH FLOOR	2324.16	1048.04	3372.20	PARKING = 1192.39 SQ.FT = 40.00 % OF GROUND PLINTH AREA.
TOTAL AREA	11620.80	5240.20	16861.00	

TOTAL REVISED EXTENSION COVERED AREA = 5240.20 SQ.FT.

NAME & SIGNATURE OF THE OWNER -  
 1. SRI PRASUN BISWAS S/O-LT PRANAJIT CHANDRA BISWAS  
 2. SRI INDRIJIT MAJUMDER S/O- LT. AMULYARATAN MAJUMDER.  
 3. SRI ASIM NATH DUTTA S/O- LT. ARABINDA NATH DUTTA.

I CERTIFY THAT THE BUILDING PLAN HAS BEEN DRAWN IN THE MANNER THAT THE SITE CONDITION CONFORM WITH THE PLAN AND IT IS BUILDABLE SITE AND NOT TANK OR FILLED TANK.  
 L.B.S SIGNATURE -

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME, CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BLDG. CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.  
 STRUCTURAL ENGINEER'S SIGNATURE -

MR. AVIK BISWAS  
 L.B.S. CLASS -  
 REG. NO. 03/2018-2019 KM,  
 REG. NO. 01/2023-2024 KM,  
 CTE-CLASS -  
 REG. NO. 01/2023-2024 KM,  
 DISTRICT KRISHNANAGAR, NADIA

STRUCTURAL DESIGN SHEET SIZE-A0  
 CONSULTANTS: [Logo of Avik Biswas & Associates]