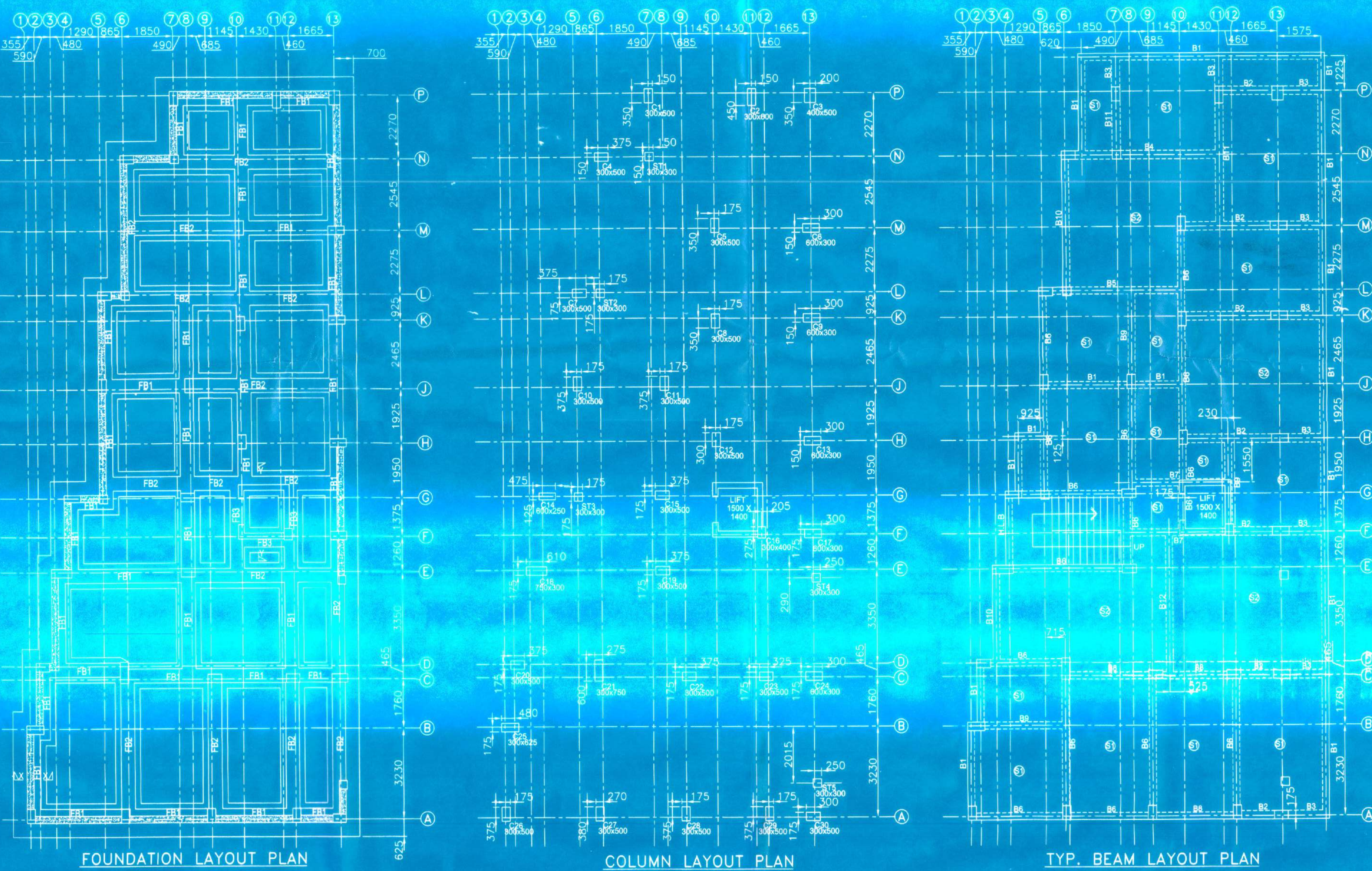


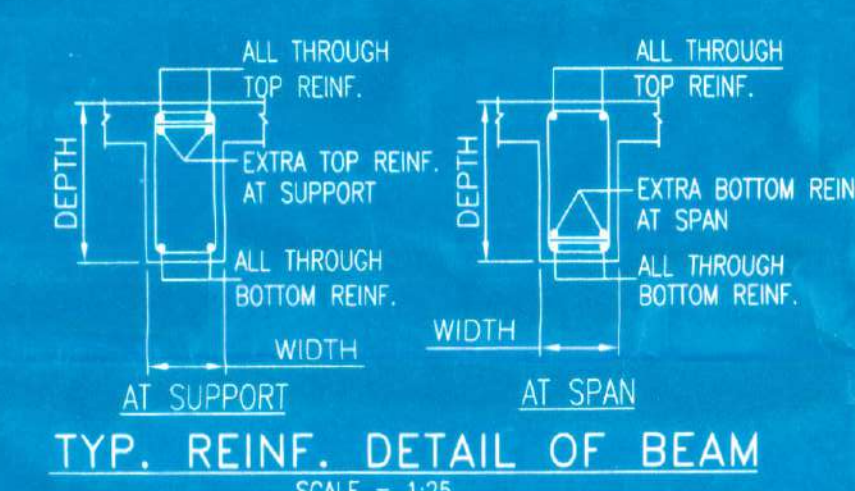


FOUNDATION LAYOUT PLAN
250 THK. VERTICAL WALL UP TO LVL.+2100

COLUMN LAYOUT PLAN

TYP. BEAM LAYOUT PLAN

SCHEDULE OF FLOOR SLAB		REINFORCEMENT	
SLAB MKD.	THICKNESS (MM)	ALONG SHORTER	ALONG LONGER
S1	125	8 MM @150 C/C AT TOP & BOTTOM	8 MM @150 C/C AT TOP & BOTTOM
S2	150	10 MM @150 C/C AT TOP & BOTTOM	10 MM @150 C/C AT TOP & BOTTOM

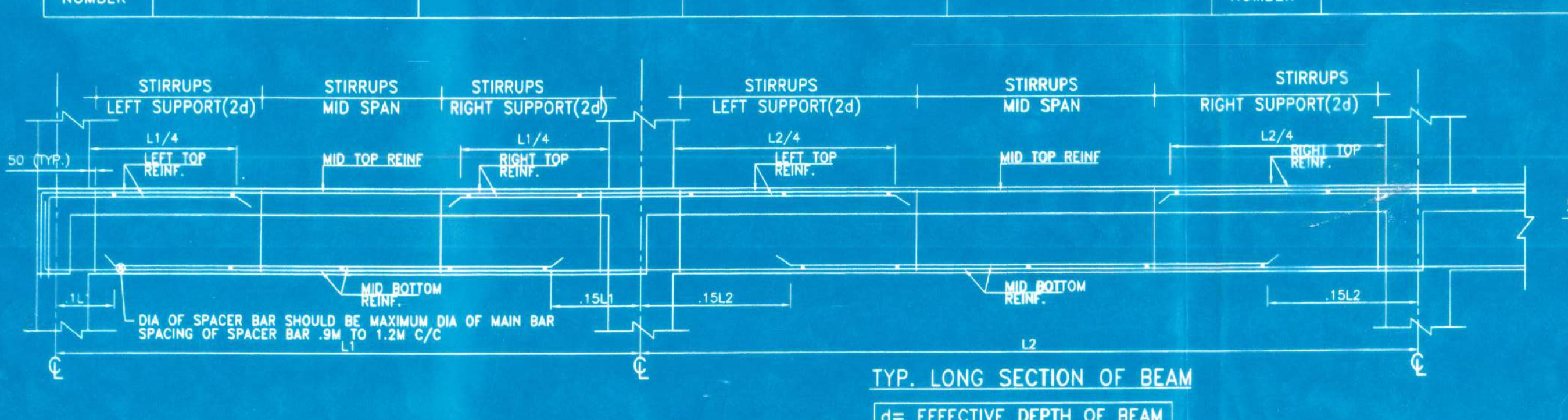


FOUNDATION BEAM SCHEDULE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR STIRRUPS		TOP OF BEAM LEVEL	
BEAM NUMBERS	SIZE	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	RIGHT
FBI	500	3-20T	4-20T	3-20T	5-20T	5-20T	4-20T	5-20T	5-20T
FBI	500	3-20T	4-20T	3-20T	5-20T	5-20T	4-20T	5-20T	5-20T
FBI	500	3-20T	4-20T	3-20T	5-20T	5-20T	4-20T	5-20T	5-20T

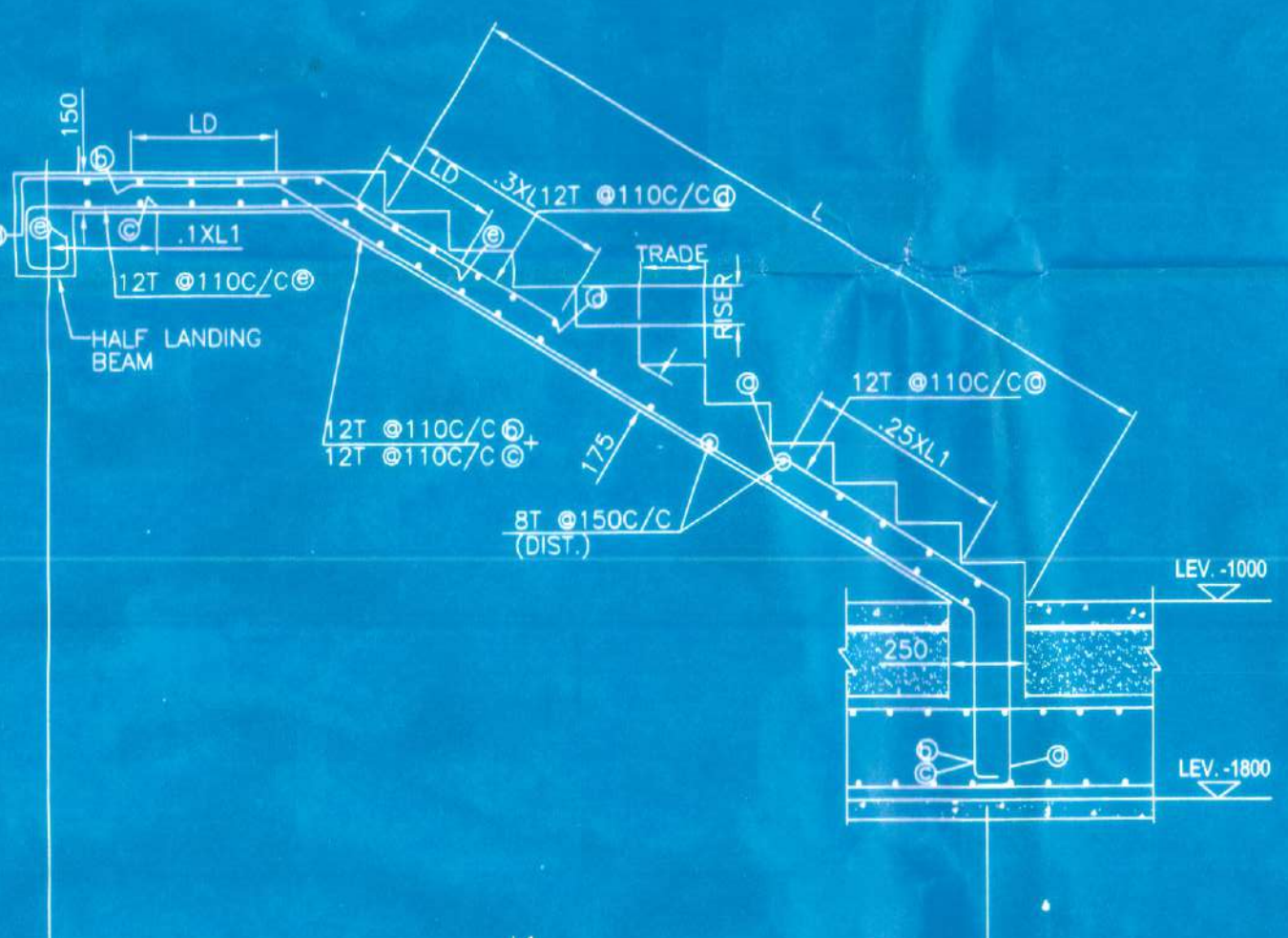
HALF LANDING BEAM SCHEDULE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR STIRRUPS	
BEAM NUMBERS	SIZE	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
H.L.B	250	500	3-16T	3-16T	3-16T	3-16T	3-16T
H.L.B	250	500	3-16T	3-16T	3-16T	3-16T	3-16T

TYP. FLOOR BEAM SCHEDULE		BOTTOM REINFORCEMENT		TOP REINFORCEMENT		SHEAR STIRRUPS	
BEAM NUMBERS	SIZE	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
B1	250	500	3-16T	3-16T	3-16T	3-16T	3-16T
B2	300	500	3-20T	3-20T	3-20T	3-20T	3-20T
B3	300	500	3-20T	3-20T	3-20T	3-20T	3-20T
B4	300	500	3-20T	3-20T	3-20T	3-20T	3-20T
B5	250	500	3-20T	3-20T	3-20T	3-20T	3-20T
B6	250	500	3-16T	3-16T	3-16T	3-16T	3-16T
B7	250	500	3-20T	3-20T	3-20T	3-20T	3-20T
B8	300	500	3-16T	3-16T	3-16T	3-16T	3-16T
B9	250	500	3-16T	3-16T	3-16T	3-16T	3-16T
B10	250	500	3-16T	3-16T	3-16T	3-16T	3-16T
B11	300	500	3-20T	3-20T	3-20T	3-20T	3-20T
B12	300	500	3-16T	3-16T	3-16T	3-16T	3-16T

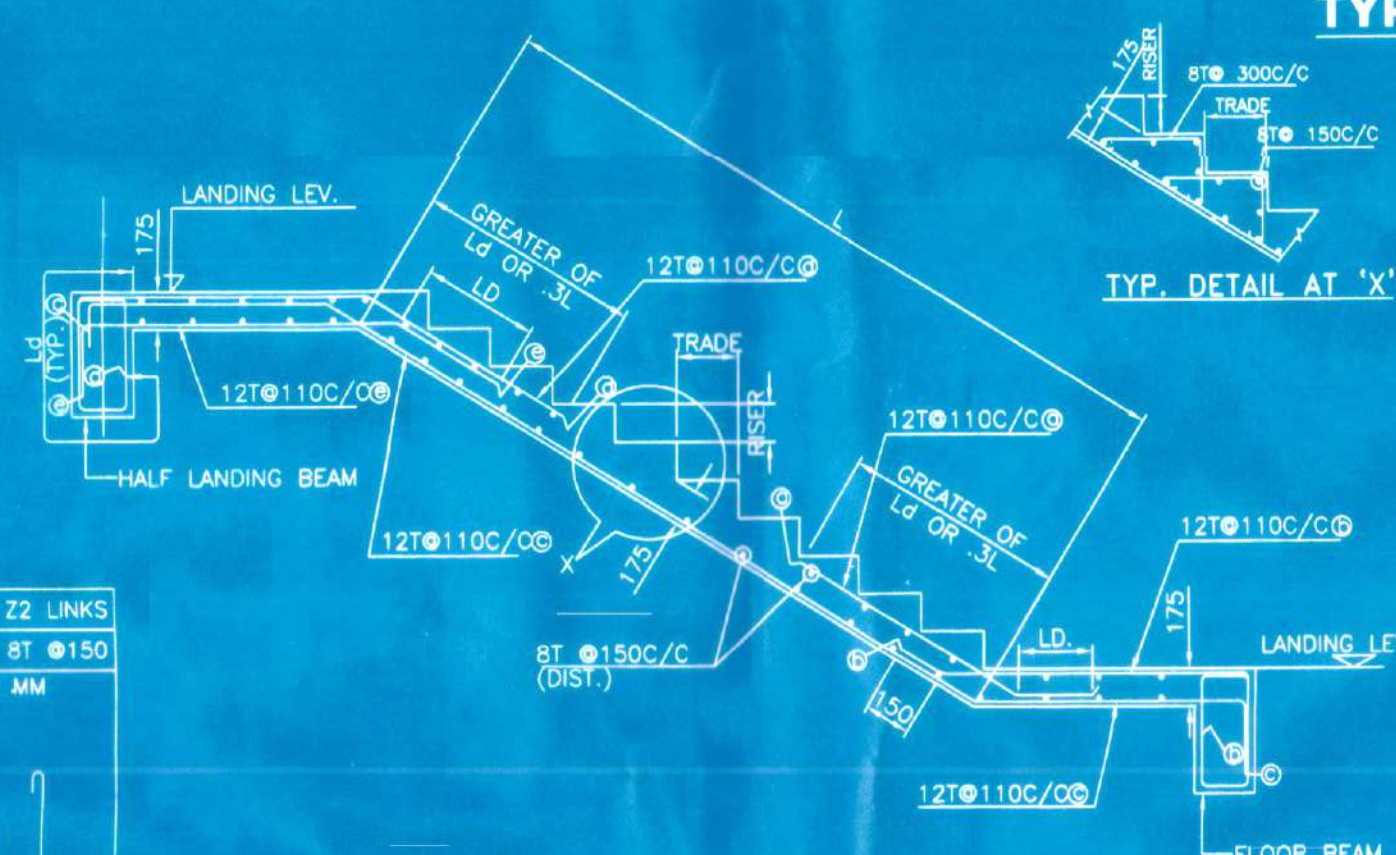
COLUMN SCHEDULE		21 MAIN LINK		21 OTHERS		22 LINKS		22 OTHERS		23 LINKS		23 OTHERS		24 LINKS		24 OTHERS	
ROOF TO FOUNDATION	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM	CONFIRMING ZONE(Z1) = 450 MM
C14	12-16T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T
C16	12-16T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T
C12	12-16T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T
C27-C30	12-16T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T
SC1-ST5	12-16T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T	12-20T



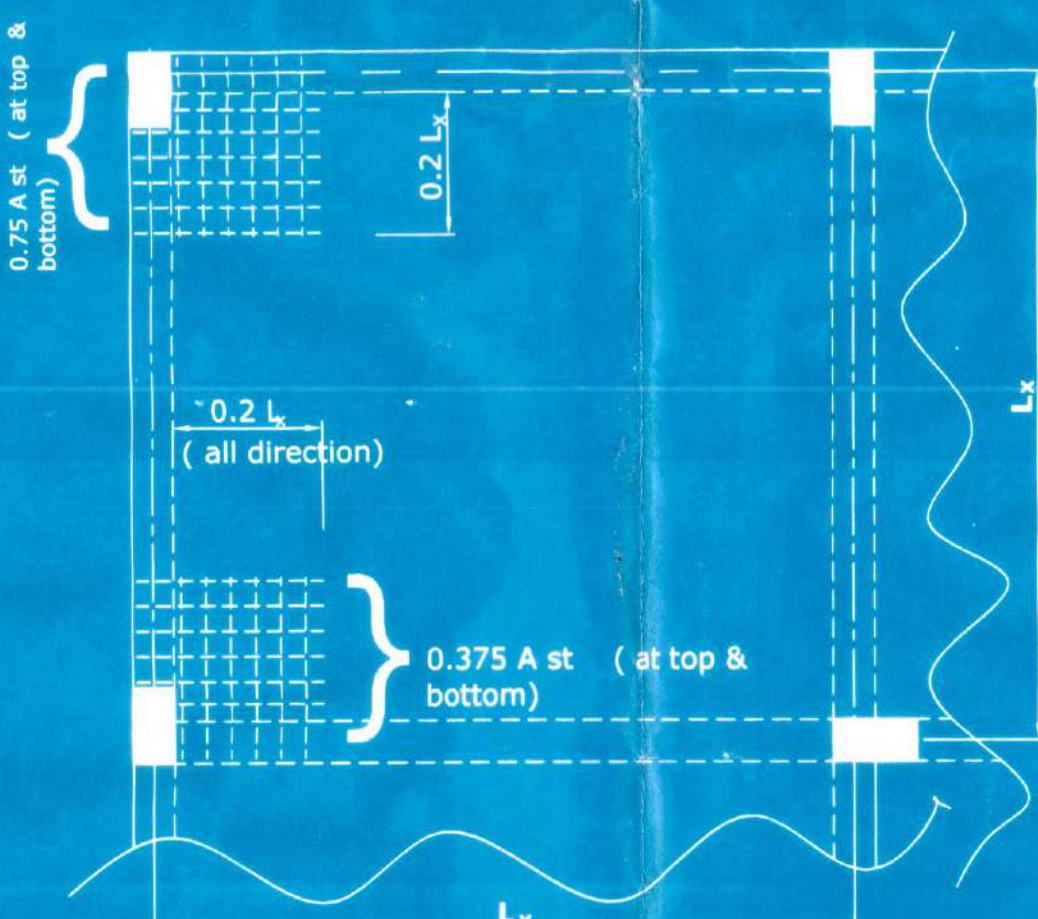
TYP. LONG SECTION OF BEAM
d= EFFECTIVE DEPTH OF BEAM



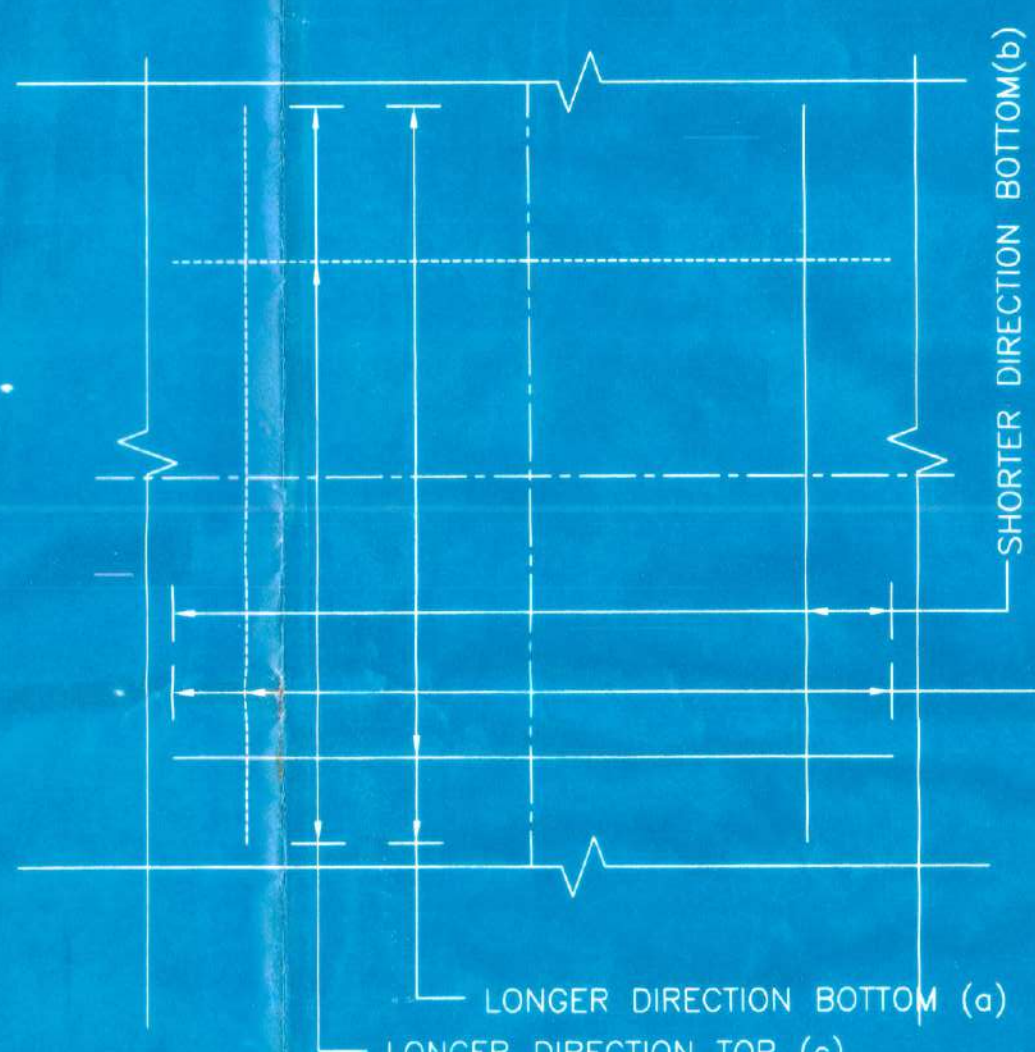
DETAIL OF 1ST FLIGHT OF STAIR
(FOR ACTUAL DIMENSION OF TREAD, RISE)
(LANDING REF. ARCHITECTURAL DRAWING)



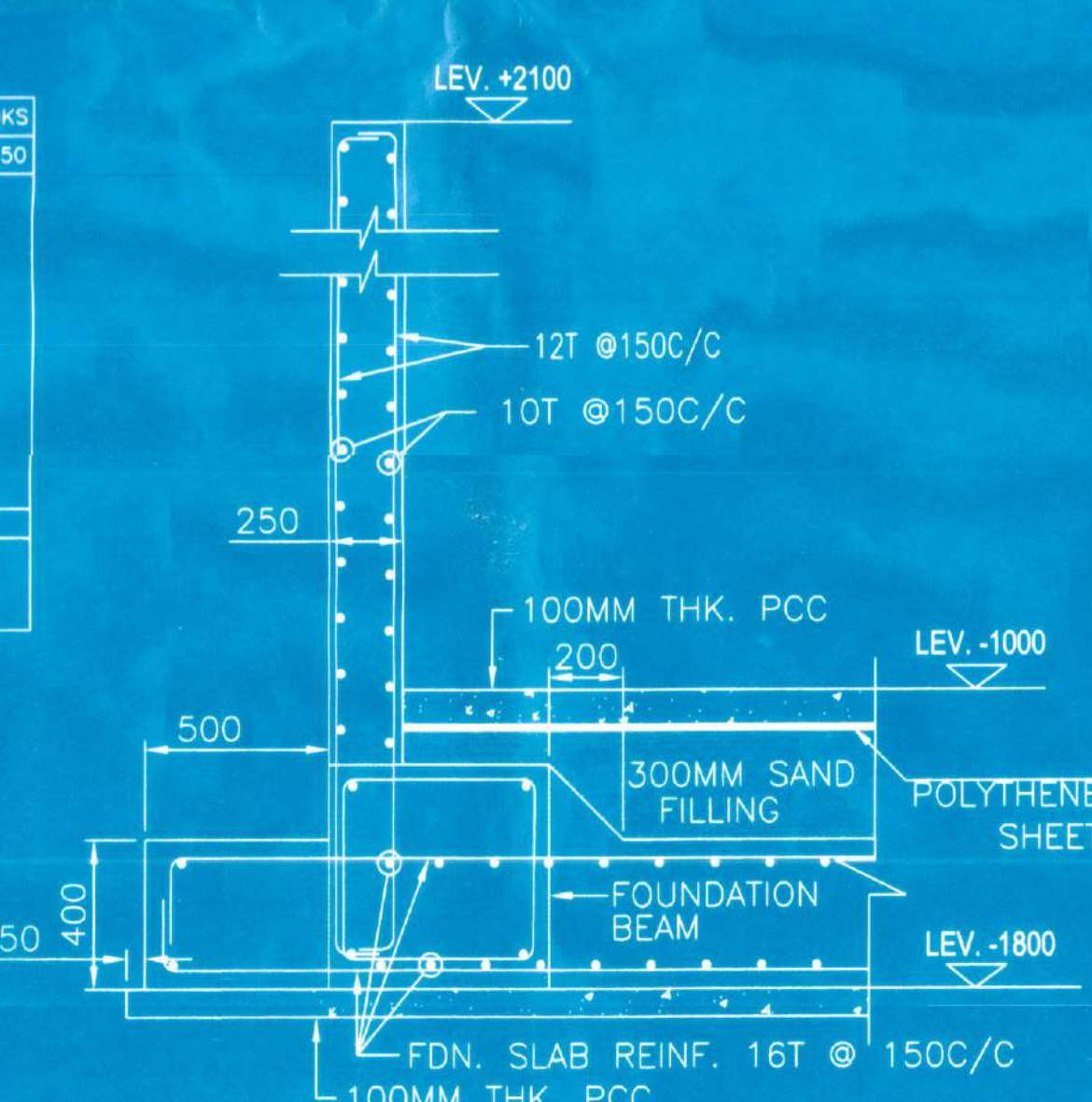
TYP. DETAIL OF STAIR
(FOR ACTUAL DIMENSION OF TREAD, RISE)
(LANDING REF. ARCHITECTURAL DRAWING)



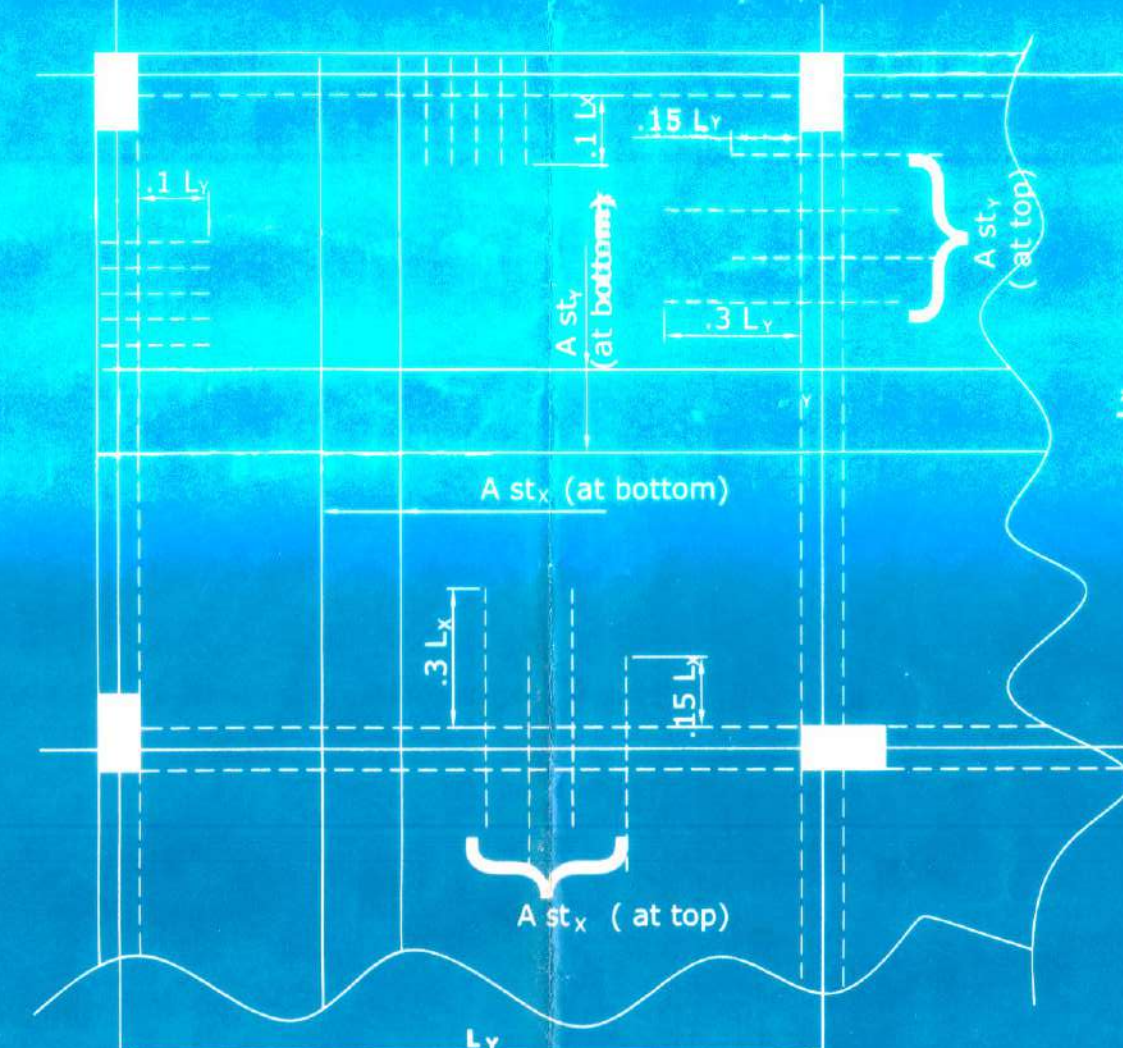
TYPICAL CORNER REINFORCEMENT OF SLAB



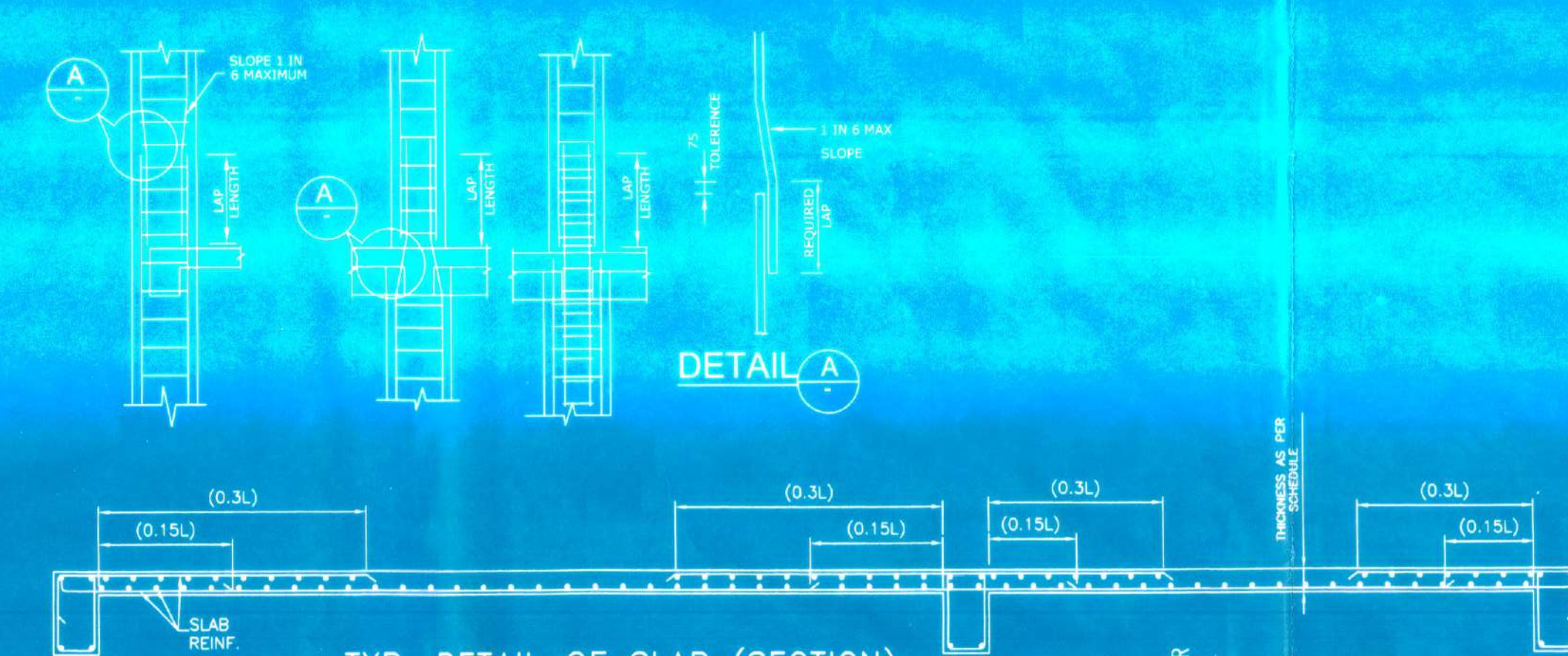
TYP. DETAIL OF GRADE SLAB
SCALE 1:30



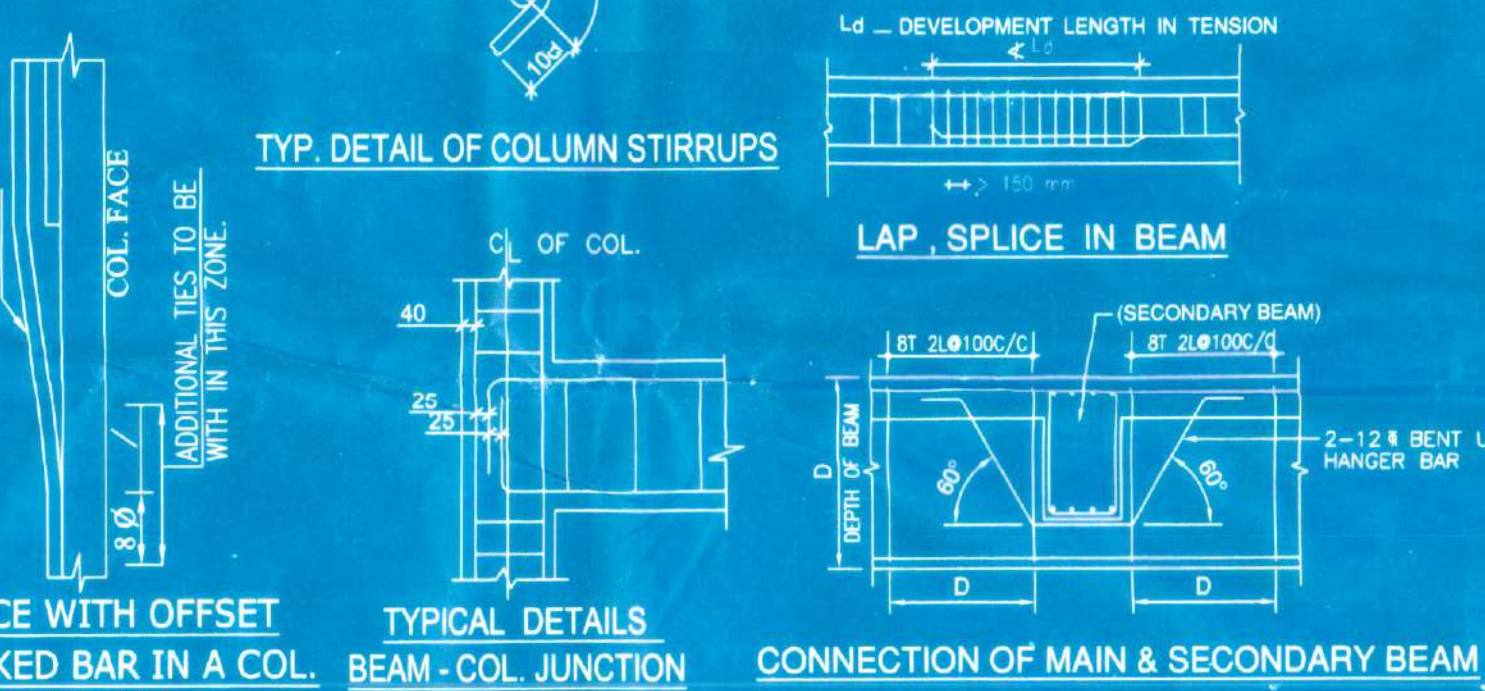
SECTION X-X
TYP. DETAIL OF VERTICAL WALL



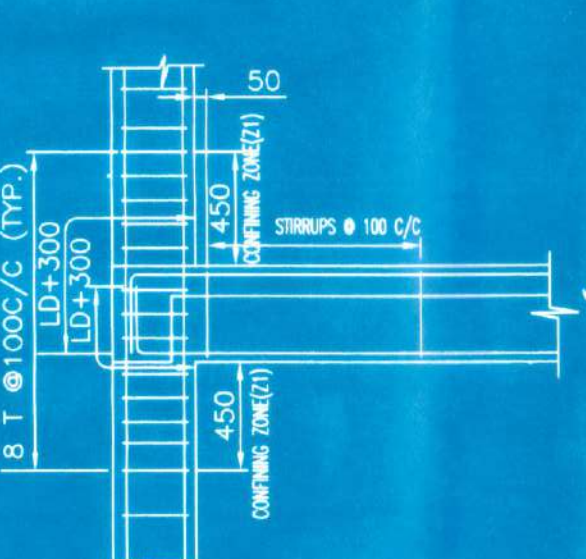
TYPICAL R.C DETAILS OF SLAB



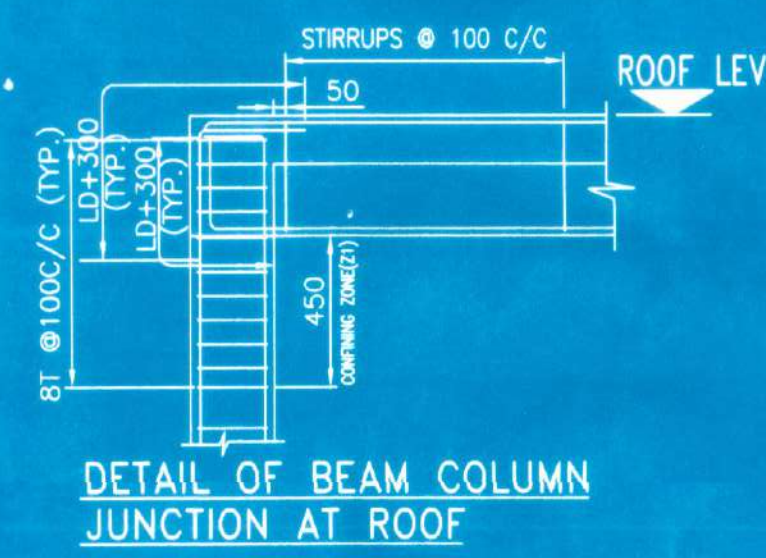
TYP. DETAIL OF SLAB (SECTION)



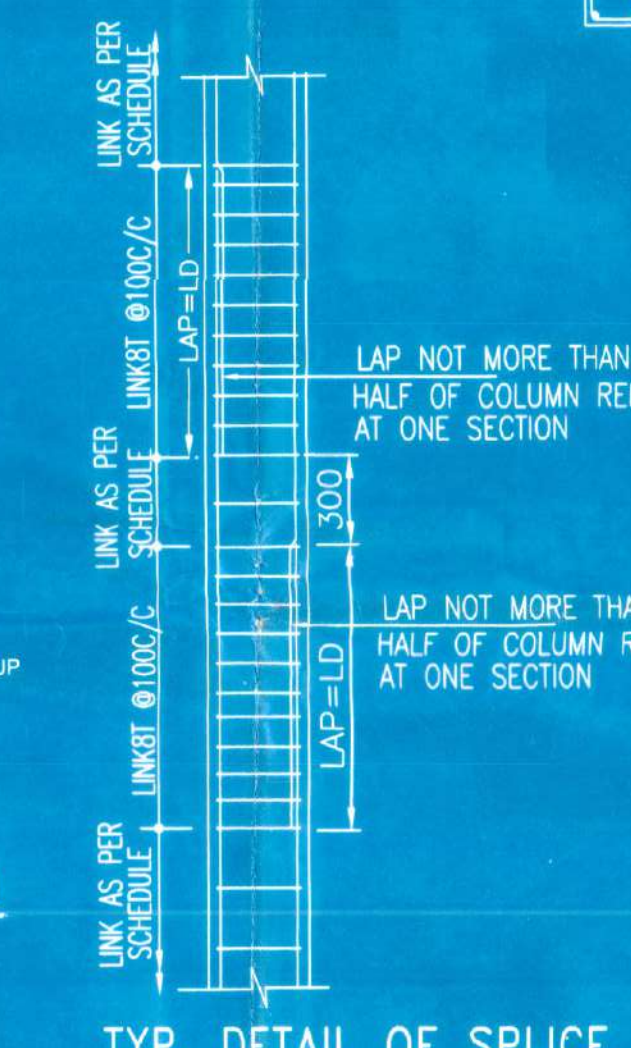
TYP. DETAIL OF COLUMN STIRRUPS



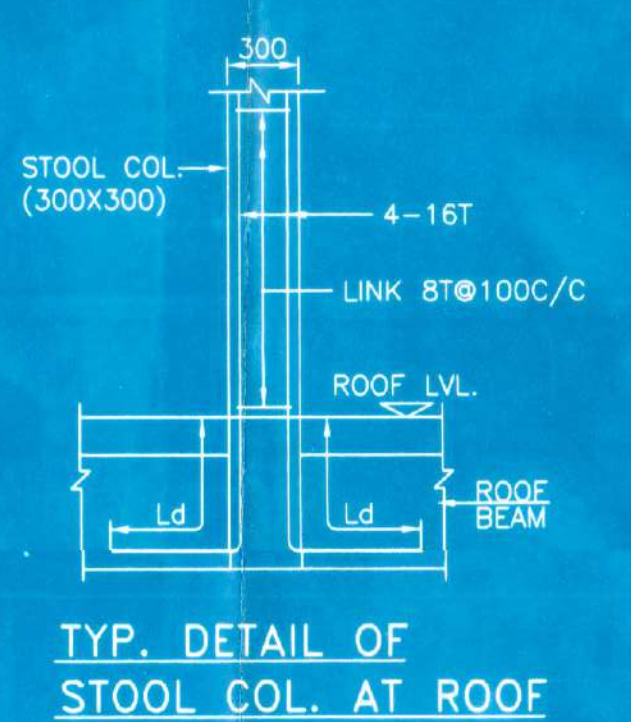
TYP. DETAIL OF BEAM & COLUMN JUNCTION



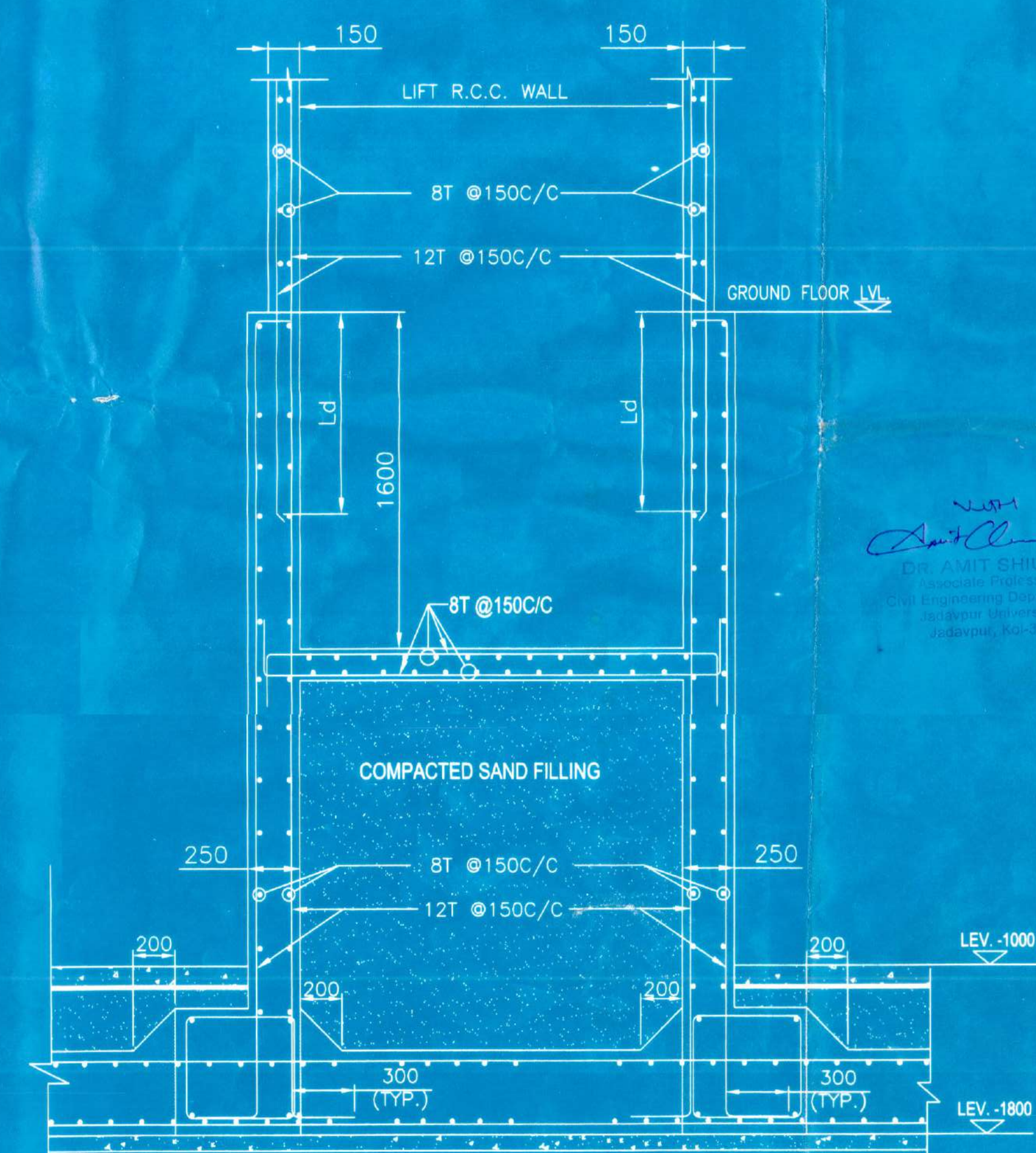
DETAIL OF BEAM COLUMN JUNCTION AT ROOF



TYP. DETAIL OF SPLICE



TYP. DETAIL OF STOOL COL. AT ROOF



SECTION Y-Y
TYPICAL DETAIL OF LIFT

PROJECT:
PROPOSED PLAN OF - (B+G+4) RESIDENTIAL BUILDING OF
1. SRI SOUMEN BARAT, S/O. SUBHAS BARAT
2. SRI BAPPA BARAT, S/O. RAJARAM BARAT
3. SMT. KRISHNA BARAT, W/O. RAJARAM BARAT
ON PLOT NO. - 451 (R.S+L.R) KHATIAN NO. - 3886, 3885, 2040, 2039 (L.R),
J.L. NO. - 229, OF JUNBEDIA GRAM MOUZA
UNDER JUNBEDIA GRAM PANCHAYAT,
P.O. & DISTRICT - BANKURA.

NOTES & SPECIFICATIONS:
A. GENERAL:
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. DRAWINGS SHALL NOT BE SCALED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. ALL FOUNDATIONS SHALL BE REST ON VIRGIN SOIL OR ON THOROUGHLY COMPACTED SOIL AS PER SPECIFICATION. WHENEVER THE SOIL CONTAIN THE LOOSE SOIL ROCKETS, THE SAME SHALL BE REMOVED AND REFILLED WITH THE P.C.C./PLUM CONCRETE.
4. CONSIDERING SOIL BEARING CAPACITY 15 T/Sq.m. & INVESTIGATION DONE BY PIONEER SURVEYOR.
5. TRADITIONAL BRICK WILL BE USED.
B. CONCRETE WORK: CONCRETE/CONCRETING:
1. ALL CONCRETE WORK SHALL BE AS PER IS:456 (LATEST REVISION)
2. ALL STRUCTURAL REINFORCED CONCRETE WORK SHALL BE WITH DESIGN MIX CONCRETE OF GRADE AS FOLLOWS UNLESS NOTED OTHERWISE.
a). THE GRADE CONC. FOR SUB & SUPER STRUCTURES: M-25
3. PLAIN CONCRETE WORK SHALL BE OF THE FOLLOWING GRADES OF NOMINAL MIX CONCRETE:
a). 1:4:8 PLUM CONCRETE FOR FILLING CONCRETE UNDER FOUNDATION (WITH MAXIMUM AGGREGATE SIZE OF 40 MM) AND AS, PIT, TRENCHES ETC.
b). M-15 (1:3:6) FOR LEAN CONCRETE BELOW FOUNDATION & PLINTH PROTECTION
4. THE MINIMUM CLEAR COVER FOR PROTECTION OF MAIN REINFORCEMENT SHALL BE AS FOLLOWS

SUPER STRUCTURAL ELEMENT	TOP	BOTTOM	SIDES	SUB STRUCTURAL ELEMENT	TOP	BOTTOM	SIDES
a). PLINTH BEAM	25	40	40	a). COLUMNS	50	-	50
b). COLUMNS	40	-	40	b). BEAM	40	40	40
c). SLAB ON GRADE	20	25	25	c). FOUNDATION	50	50	50
d). FLOOR BEAM	25	25	25				
e). SLAB	20	20	20				

C. REINFORCEMENTS:
1. ALL REINFORCING STEEL SHALL BE OF TESTED QUALITY.
2. (a). HIGH YIELD STRENGTH DEFORMED BAR REINFORCEMENT (YIELD STRESS $F_{yk} = 500 \text{ N/MM}^2$) SHALL CONFORM TO IS:1786. (LATEST REVISION)
3. LAPS AND SPLICES OF REINFORCEMENT TO SUIT AVAILABLE LENGTH OF BARS SHALL BE MADE AS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER AT SITE.
4. ALL HOOKS, BENDS, LAPS AND SPLICES SHALL BE AS PER IS:2502.
'D' SHALL BE AS FOLLOWS:-

CONCRETE	DEFORMED BARS	
GRADE	TENSION	COMPRESSION
M-25	41X0	

6. LAPPING OF BARS SHALL BE SUITABLY STAGGERED AND IN NO CASE MORE THAN 50% BARS SHALL BE LAPPED AT ANY SECTION.
7. LAPPING OF BARS FOR BEAM AND SLAB SHALL BE AVOIDED IN THE MAXIMUM TENSION ZONE.
8. DEVELOPMENT LENGTH (L_d) = 500MM OF THE BARS/100MM OF THE BAR. (T=TOP BAR)
Declaration Of Owner
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

✓ Soumen Barot
✓ Bappa Barot
✓ Smt. Krishna Barot
Full Signature of Owners

Certificate of Structural Engineer
Certified that the Structural drawing and design of both the foundations and superstructure of the building has been made considering the Soil Test Report, as per these rules and regulations made under the Act and also considering all possible loads, seismic loads, and the moments generated by the proposed structure as per the Bureau of Indian Standards and National Building Code of India and and certified that it is safe and stable in all respect and these provisions shall be adhered to during the construction.

Jaydeb Deb
STRUCTURAL ENGINEER
1581977

Sign of Structural Engineer

CERTIFICATE OF ARCHITECT
I certify that all the Architectural Drawings of the project have been prepared by me complying with all Provisions regarding the Fire Protection as per the prevailing National Building Code. I shall be held responsible if any incorrect information furnished by me or any violation of provisions of these rules or the prevailing National Building Code is found in any of the drawing & documents signed by me and submitted to the Sanctioning Authority for obtaining sanction. Position of departmental manhole at site is being certified by me on verification.

Architect's Signature

Sign of Architect

CERTIFICATE OF GEO-TECHNICAL
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

Signature of Geo-Technical Engineer

SIGNATURE OF GEO-TECHNICAL ENGINEER

REVISIONS:-
PURPOSE
STRUCTURAL DRAWING
FOUNDATION, COLUMN & FLOOR BEAM PLAN, SCHEDULE & OTHER TYP. DETAILS
SCALE
1:100, 1:50, 1:600, 1:1000, 1:1500, 1:2000, 1:3000, 1:4000, 1:5000, 1:6000, 1:7000, 1:8000, 1:9000, 1:10000, 1:12000, 1:15000, 1:20000, 1:25000, 1:30000, 1:40000, 1:50000, 1:60000, 1:70000, 1:80000, 1:90000, 1:100000, 1:120000, 1:150000, 1:200000, 1:250000, 1:300000, 1:400000, 1:500000, 1:600000, 1:700000, 1:800000, 1:900000, 1:1000000, 1:1200000, 1:1500000, 1:2000000, 1:2500000, 1:3000000, 1:4000000, 1:5000000, 1:6000000, 1:7000000, 1:8000000, 1:9000000, 1:10000000, 1:12000000, 1:15000000, 1:20000000, 1:25000000, 1:30000000, 1:40000000, 1:50000000, 1:60000000, 1:70000000, 1:80000000, 1:90000000, 1:100000000, 1:120000000, 1:150000000, 1:200000000, 1:250000000, 1:300000000, 1:400000000, 1:500000000, 1:600000000, 1:700000000, 1:800000000, 1:900000000, 1:1000000000, 1:1200000000, 1:1500000000, 1:2000000000, 1:2500000000, 1:3000000000, 1:4000000000, 1:5000000000, 1:6000000000, 1:7000000000, 1:8000000000, 1:9000000000, 1:10000000000, 1:12000000000, 1:15000000000, 1:20000000000, 1:25000000000, 1:30000000000, 1:40000000000, 1:50000000000, 1:60000000000, 1:70000000000, 1:80000000000, 1:90000000000, 1:100000000000, 1:120000000000, 1:150000000000, 1:200000000000, 1:250000000000, 1:300000000000, 1:400000000000, 1:500000000000, 1:600000000000, 1:700000000000, 1:800000000000, 1:900000000000, 1:1000000000000, 1:1200000000000, 1:1500000000000, 1:2000000000000, 1:2500000000000, 1:3000000000000, 1:4000000000000, 1:5000000000000, 1:6000000000000, 1:7000000000000, 1:8000000000000, 1:9000000000000, 1:10000000000000, 1:12000000000000, 1:15000000000000, 1:20000000000000, 1:25000000000000, 1:30000000000000, 1:40000000000000, 1:50000000000000, 1:60000000000000, 1:70000000000000, 1:80000000000000, 1:90000000000000, 1:100000000000000, 1:120000000000000, 1:150000000000000, 1:200000000000000, 1:250000000000000, 1:300000000000000, 1:400000000000000, 1:500000000000000, 1:600000000000000, 1:700000000000000, 1:800000000000000, 1:900000000000000, 1:1000000000000000, 1:1200000000000000, 1:1500000000000000, 1:2000000000000000, 1:2500000000000000, 1:3000000000000000, 1:4000000000000000, 1:5000000000000000, 1:6000000000000000, 1:7000000000000000, 1:8000000000000000, 1:9000000000000000, 1:10000000000000000, 1:12000000000000000, 1:15000000000000000, 1:20000000000000000, 1:25000000000000000, 1:30000000000000000, 1:40000000000000000, 1:50000000000000000, 1:60000000000000000, 1:70000000000000000, 1:80000000000000000, 1:90000000000000000, 1:100000000000000000, 1:120000000000000000, 1:150000000000000000, 1:200000000000000000, 1:250000000000000000, 1:300000000000000000, 1:400000000000000000, 1:500000000000000000, 1:600000000000000000, 1:700000000000000000, 1:800000000000000000, 1:900000000000000000, 1:1000000000000000000, 1:1200000000000000000, 1:1500000000000000000, 1:2000000000000000000, 1:2500000000000000000, 1:3000000000000000000, 1:4000000000000000000, 1:5000000000000000000, 1:6000000000000000000, 1:7000000000000000000, 1:8000000000000000000, 1:9000000000000000000, 1:10000000000000000000, 1:12000000000000000000, 1:15000000000000000000, 1:20000000000000000000, 1:25000000000000000000, 1:30000000000000000000, 1:40000000000000000000, 1:50000000000000000000, 1:60000000000000000000, 1:70000000000000000000, 1:80000000000000000000, 1:90000000000000000000, 1:100000000000000000000, 1:120000000000000000000, 1:150000000000000000000, 1:200000000000000000000, 1:250000000000000000000, 1:300000000000000000000, 1:400000000000000000000, 1:500000000000000000000, 1:600000000000000000000, 1:700000000000000000000, 1:800000000000000000000, 1:900000000000000000000, 1:1000000000000000000000, 1:1200000000000000000000, 1:1500000000000000000000, 1:2000000000000000000000, 1:2500000000000000000000, 1:3000000000000000000000, 1:4000000000000000000000, 1:5000000000000000000000, 1:6000000000000000000000, 1:7000000000000000000000, 1:8000000000000000000000, 1:9000000000000000000000, 1:10000000000000000000000, 1:12000000000000000000000, 1:15000000000000000000000, 1:20000000000000000000000, 1:25000000000000000000000, 1:30000000000000000000000, 1:40000000000000000000000, 1:50000000000000000000000, 1:60000000000000000000000, 1:70000000000000000000000, 1:80000000000000000000000, 1:90000000000000000000000, 1:100000000000000000000000, 1:120000000000000000000000, 1:150000000000000000000000, 1:200000000000000000000000, 1:250000000000000000000000, 1:300000000000000000000000, 1:400000000000000000000000, 1:500000000000000000000000, 1:600000000000000000000000, 1:700000000000000000000000, 1:800000000000000000000000, 1:900000000000000000000000, 1:1000000000000000000000000, 1:1200000000000000000000000, 1:1500000000000000000000000, 1:2000000000000000000000000, 1:2500000000000000000000000, 1:3000000000000000000000000, 1:4000000000000000000000000, 1:5000000000000000000000000, 1:6000000000000000000000000, 1:7000000000000000000000000, 1:8000000000000000000000000, 1:9000000000000000000000000, 1:10000000000000000000000000, 1:12000000000000000000000000, 1:15000000000000000000000000, 1:20000000000000000000000000, 1:25000000000000000000000000, 1:30000000000000000000000000, 1:40000000000000000000000000, 1:50000000000000000000000000,