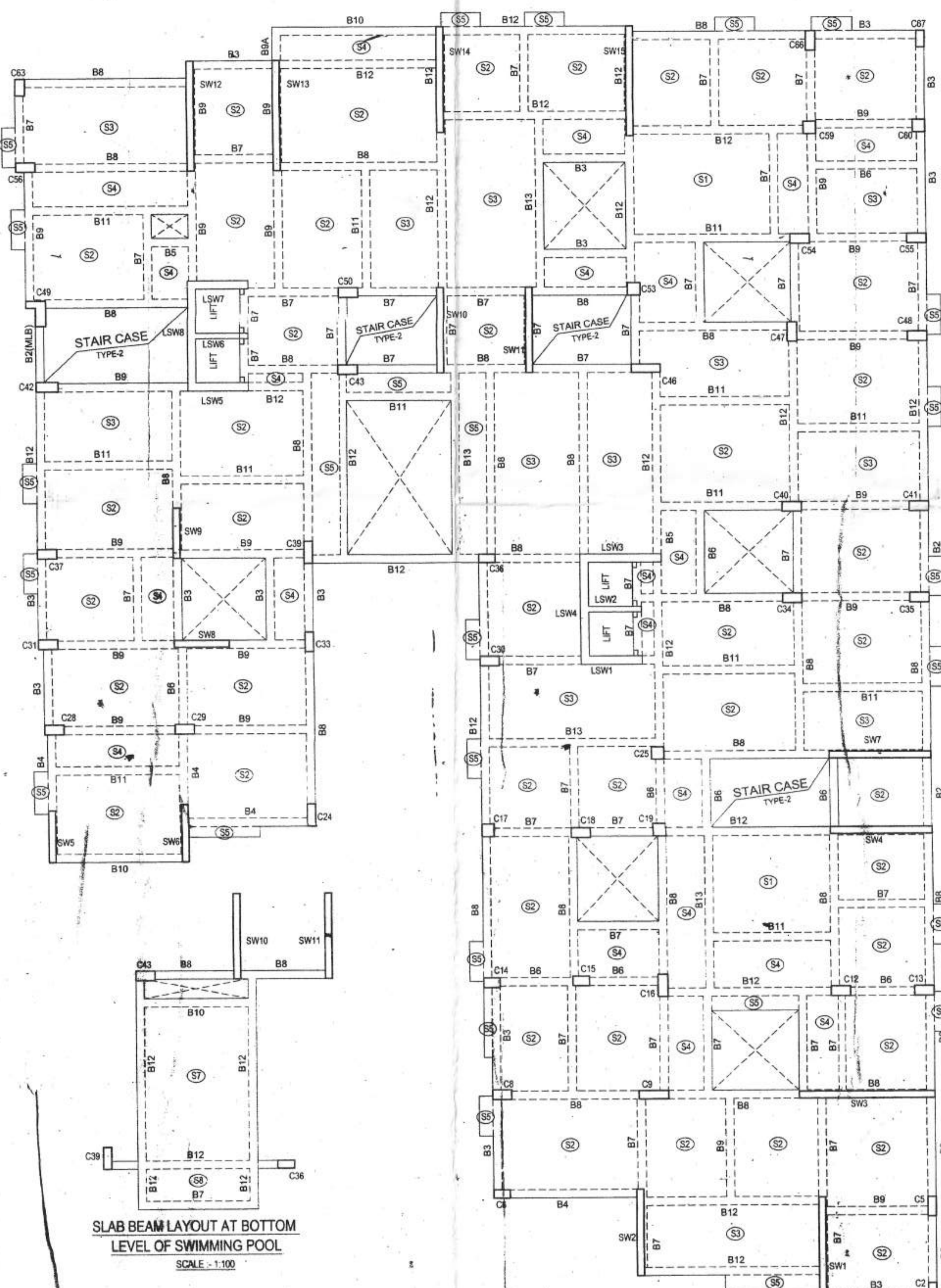
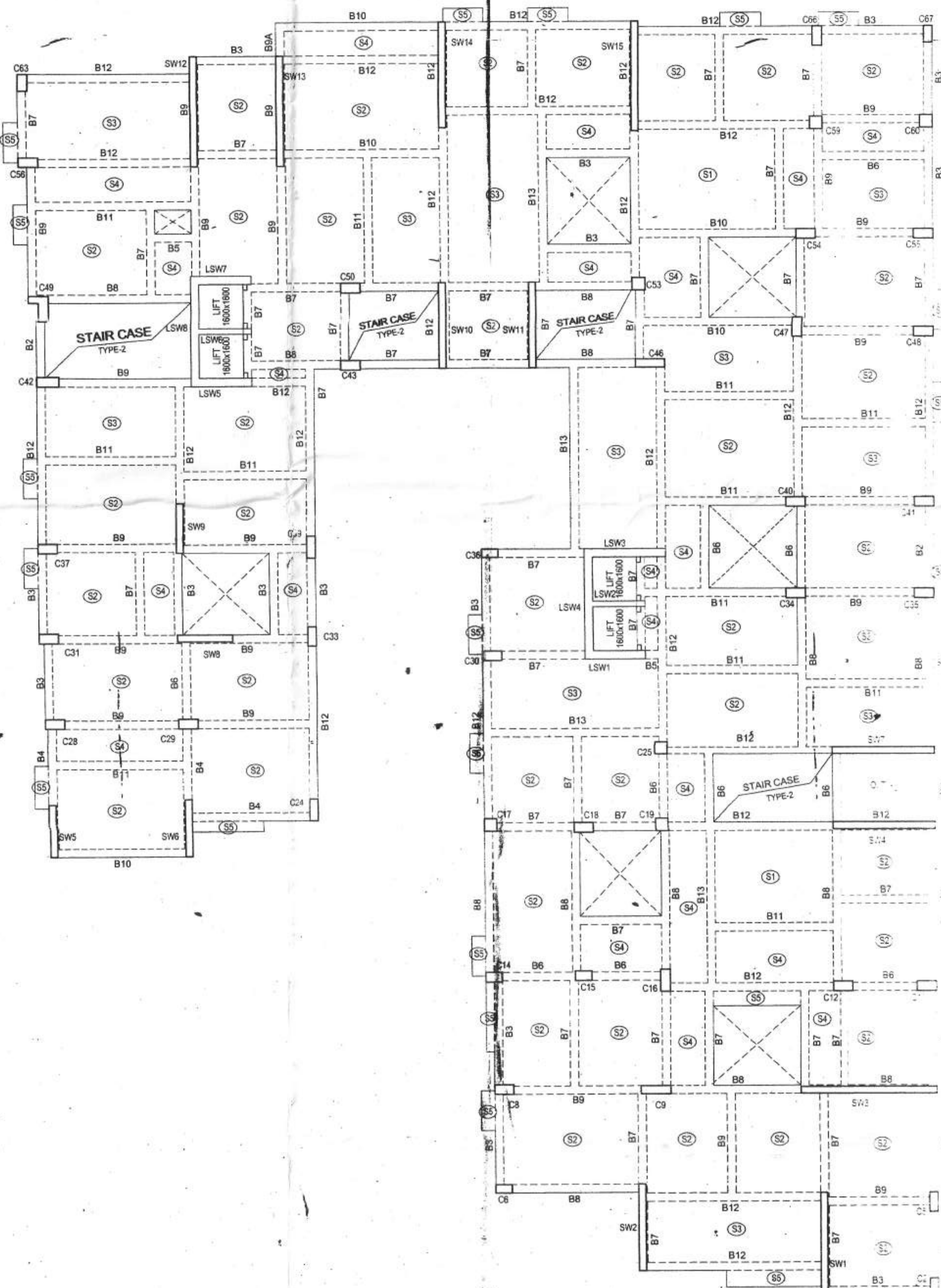


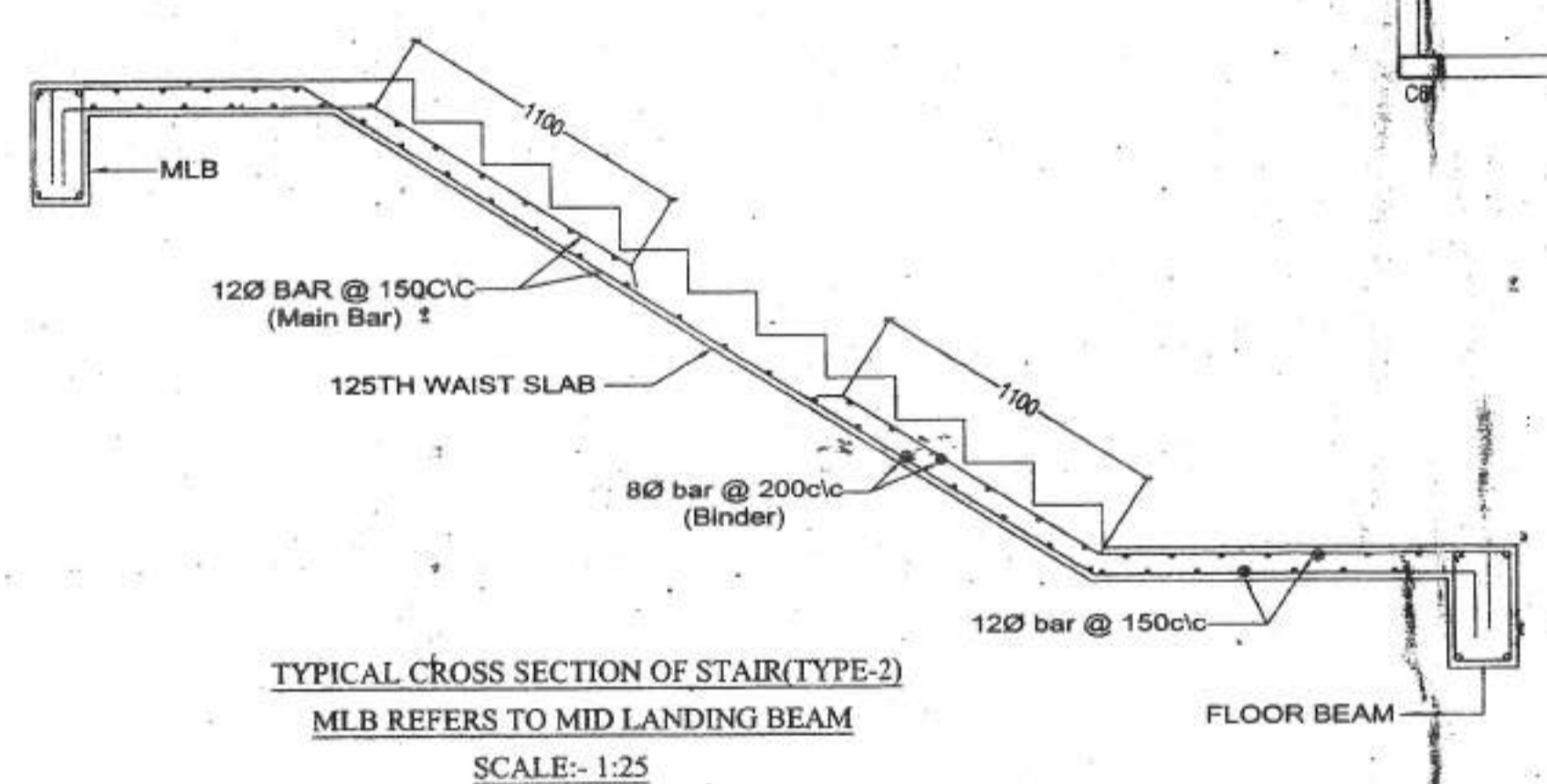
DECK SLAB BEAM LAYOUT PLAN  
SCALE: 1:100



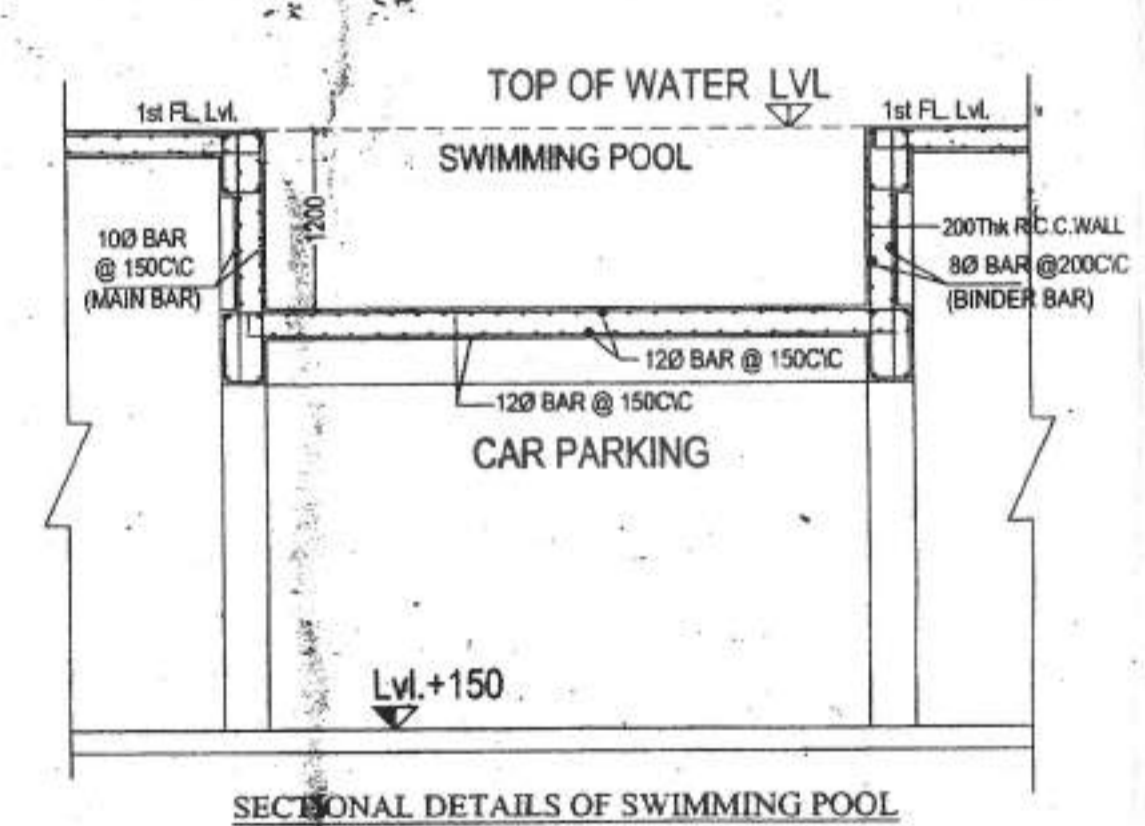
FIRST FLOOR BEAM LAYOUT PLAN  
SCALE: 1:100



TYPICAL (2nd TO TOP) FLOOR BEAM LAYOUT PLAN  
SCALE: 1:100



TYPICAL CROSS SECTION OF STAIR (TYPE-2)  
SCALE: 1:25



SECTIONAL DETAILS OF SWIMMING POOL  
SCALE: 1:50

BEAM NO	BEAM SIZE	REINFORCEMENT				STIRRUPS	
		SUPPORT TOP	SUPPORT BOTTOM	SPAN TOP	SPAN BOTTOM	SUPPORT	SPAN
B5 DB15	(300X500)	3-16#	3-16#	3-16#	3-16#	4L-8# @100 c/c	4-8# @50 c/c
B26 DB26	(300X500)	4-16#	3-16#	3-16#	3-16#	4L-8# @100 c/c	4-8# @50 c/c
B37 DB37	(300X500)	5-16#	3-16#	3-16#	4-16#	4L-8# @100 c/c	4-8# @50 c/c
B48 DB48	(300X500)	6-16#	3-16#	3-16#	5-16#	4L-8# @100 c/c	4-8# @50 c/c
B49A B8	(300X500)	5-16#	3-16#	5-16#	3-16#	4L-8# @100 c/c	4-8# @50 c/c
B10/11	(300X500)	3-20# 3-16#	2-20# 1-16#	3-20#	2-20# 3-16#	4L-8# @100 c/c	4-8# @50 c/c
DB12/B12	(300X500)	3-25# 3-20#	3-25#	3-20#	3-25# 3-20#	4L-8# @100 c/c	4-8# @125 c/c
B13	(300X500)	5-20#	3-20#	5-20#	6-20#	4L-8# @100 c/c	4-8# @150 c/c
DB4A	(300X500)	3-16#	3-16#	3-16#	3-16#	4L-8# @100 c/c	4-8# @150 c/c
DB8	(300X500)	3-20#	3-20#	3-20#	3-20#	4L-8# @100 c/c	4-8# @150 c/c
DB9A	(300X500)	3-20# 3-16#	3-20# 3-16#	3-20# 3-16#	3-20# 3-16#	4L-8# @100 c/c	4-8# @150 c/c
DB11	(300X500)	3-20# 3-16#	3-16#	3-16#	3-20# 3-16#	4L-8# @100 c/c	4-8# @150 c/c
MLB	(300X500)	3-20#	3-16#	3-20#	3-16#	4L-8# @100 c/c	4-8# @150 c/c

SLAB MKQ	SLAB THICK	REINFORCEMENT	
		ALONG SHORTER SIDE	ALONG LONGER SIDE
S1	150	12mm @150c/c (top,Supp.) 10mm @150c/c (bottom)	12mm @150c/c (top,supp) 10mm @150c/c (bottom)
S2	150	10mm @125c/c (top,Supp.) 10mm @125c/c (bottom)	10mm @150 c/c (top,supp) 10mm @150c/c (bottom)
S3	150	10mm @200c/c (top,Supp.) 10mm @200c/c (bottom)	10mm @200c/c (top,supp) 10mm @200c/c (bottom)
S4	150	10mm @ 200c/c (top) 10mm @ 200c/c (bottom)	8mm @ 200c/c (top) 8mm @ 200c/c (bottom)
S5	150	12mm @150c/c (top.) 10mm @150c/c (bottom)	12mm @150c/c (top) 10mm @150c/c (bottom)
S6	150	12mm @150c/c (top.) 10mm @150c/c (bottom)	12mm @150c/c (top) 10mm @150c/c (bottom)
S7	200	12mm @150c/c (top,Supp.) 12mm @150c/c (bottom)	12mm @150c/c (top,supp) 12mm @150c/c (bottom)
S8	200	12mm @ 125 c/c (top.) 10mm @ 200c/c (bottom)	10mm @ 200c/c (top) 8mm @ 200c/c (bottom)

- SPECIFICATIONS:**
- ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
  - THE STRUCTURE IS DESIGNED AS A CONTINUOUS FRAME AND IN LIMIT STATE METHOD.
  - GRADE OF CONCRETE SHALL BE AS FOLLOWS:
    - RAFT FOOTING : M30
    - COLUMN & SHEAR WALLS : M30
    - BEAM : M25
    - SLAB : M25
  - AND CHARACTERISTIC STRENGTH OF STEEL SHALL BE F460 NISQ.M.M.
  - THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
  - THIS DRAWING IS TO BE READ ALONG WITH THE RELEVANT ARCHITECTURAL DRAWINGS.

<p><b>CERTIFICATE OF GEOTECHNICAL ENGINEER:</b></p> <p>IT IS CERTIFIED THAT THE COMPREHENSIVE GEO-TECHNICAL REPORT ON SOIL INVESTIGATION HAS BEEN PREPARED BY ME FOR DESIGN AND CALCULATION OF THE FOUNDATION BY ANALYZING THE SOIL SAMPLE FOR ESTIMATING THE BEARING CAPACITY OF THE SOIL ON WHICH FOUNDATION OF THE STRUCTURE WILL BE CONSTRUCTED. I SHALL ALSO CHECK THE NATURE OF THE SOIL AFTER EXCAVATION/ SITE SO THAT FOUNDATION IS EXTENDED UP TO APPROPRIATE DEPTH THAT HAS BEEN PROVIDED IN THE GEO-TECHNICAL REPORT.</p> <p><b>DR. SUJIT KUMAR BOSE</b> Ph.D., M.C.E. (Soil &amp; Civil Engg.) Engineer (Mech) K.M.C. License No. G.T./12</p> <p>SIGNATURE OF GEOTECHNICAL ENGINEER</p>	<p><b>DECLARATION OF ARCHITECT</b></p> <p>CERTIFIED THAT THE PLAN HAS BEEN DESIGNED AND DRAWN UP STRICTLY ACCORDING TO THE BUILDING RULES FOR THE NEW TOWN KOLKATA PLANNING AREA (BUILDING RULES 2016) CERTIFIED THAT THE FOUNDATION AND SUPER STRUCTURE OF BUILDING HAVE BEEN SO DESIGNED BY ME WILL MAKE FOUNDATION AND SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE BEARING CAPACITY AND SETTLEMENT OF SOIL. I HAVE PERSONALLY VERIFIED THE SITE AND FOUND IT IS BUILDABLE. IT IS NOT A TANK OR FILLED UP TANK. HENCE OK.</p> <p><b>MILAN CHAKRABORTY</b> Director Advantage Bengal Infrastructure Ltd.</p> <p>SIGNATURE OF ARCHITECT</p>	<p><b>PROJECT:</b></p> <p>PROPOSED 8+GHII STORIED RESIDENTIAL BUILDING AT R. S &amp; L. R. DAG NO. - 1308, 1309, 1310, 1311, 1312, 1313, 1316, MOUZA - JAMALPARA, J. L. NO. - 42, R. S. NO. - 124, TOUZI NO. - 173 AT PRESENT 10, P. S. - RAJARHAT, RAJARHAT - BISHNUPUR (RB-II) GRAM PANCHAYAT, DIST. - NORTH 24 PARGANAS.</p> <p><b>DEVELOPER:</b></p> <p>Advantage Bengal Infrastructure Limited Kolkata - 700091 Phone: 033 2357 8624 Email: info@advantagebengal.com Website: www.advantagebengal.com</p>
<p><b>DECLARATION OF STRUCTURAL ENGINEER</b></p> <p>CERTIFIED THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT, (AS PER THESE RULES AND THE REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.</p> <p><b>Chandrabhusha Bhattacharyya</b> M.A.S.T. (Structural Engg.) Chartered Engg. (RAJAHAT-4) E.S.E-2980) K.M.C.</p> <p>SIGNATURE OF STRU. ENGINEER</p>	<p><b>DECLARATION OF OWNERS/ DEVELOPER.</b></p> <p>CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING RULES FOR THE NEW TOWN KOLKATA PLANNING AREA (BUILDING RULES 2016) AND ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING.</p> <p><b>Advantage Bengal Infrastructure Ltd.</b> Kolkata - 700091 Phone: 033 2357 8624 Email: info@advantagebengal.com Website: www.advantagebengal.com</p> <p>SIGNATURE OF OWNERS/ DEVELOPER</p>	<p><b>ARCHITECT / CONSULTANT:</b></p> <p><b>PCS</b> Architects &amp; Engineers 230, Grand Road, 28 (Old 81) Kolkata - 700024 Reg. No. CA/2008/0003 Phone: +91 983 26 3728 +91 983 09 3728 +91 983 228 1202 Email: pcsarchitects@gmail.com www.pcsarchitects.com</p> <p><b>PROJECT CONSULTANT:</b></p> <p><b>Advantage Bengal Infrastructure Ltd.</b> Kolkata - 700091 Phone: 033 2357 8624 Email: info@advantagebengal.com Website: www.advantagebengal.com</p> <p><b>NORTH DIRECTION</b></p>
<p><b>TYPICAL FLOOR BEAM LAYOUT PLAN, SECTIONAL STAIR DETAILS SECTIONAL DETAILS OF SWIMMING POOL</b></p> <p>DESIGN BY: Kalyan CHECKED BY: C.Bhattacharyya APPROVED BY: [Signature] SCALE: AS SHOWN DATE: 28.04.2021 DRAWING NO. [Blank] SHEET NO. CS-57-02 REVISION: [Blank]</p>		