

ROOF BEAM AND SLAB LAYOUT PLAN
AT LEVEL (+)14.5m.

S1 MARKED SLABS ARE 110 mm THICK & S2 MARKED SLABS ARE 150 mm THICK
HLB REFERS TO HALF LANDING BEAM
SCALE- 1:100

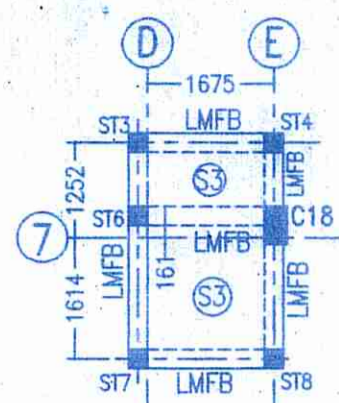
SCHEDULE OF S1 & S2 MARKED SLABS (TYP. FLOORS AND ROOF SLABS AND L.M.R. ROOF & MUMTY ROOF SLABS THICKNESS- 110 & 150 mm.)

BAR MKD.	REINFORCEMENT	POSITION
A	8# ϕ 150 mm C/C (ALL THROUGH)	BOT.
B	8# ϕ 150 mm C/C (ALL THROUGH)	BOT.
X	8# ϕ 150 mm C/C (ALL THROUGH)	BOT.
Y	8# ϕ 150 mm C/C (ALL THROUGH)	BOT.
C	8# ϕ 150mm C/C (CURTAILMENT)	TOP
D(BINDER)	8# ϕ 200 mm C/C (WHEREVER REQUIRED)	TOP

SCHEDULE OF S3 MARKED SLABS (L.M.R. FLOOR & WATER TANK FLOOR SLABS, THICKNESS- 175mm.)

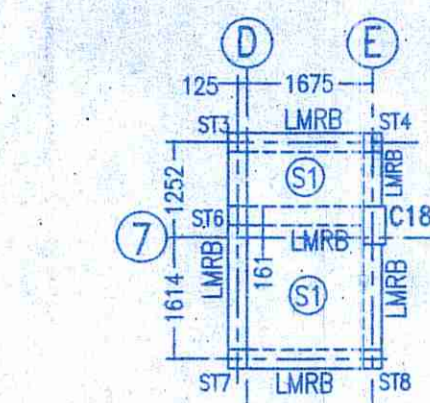
BAR MKD.	REINFORCEMENT	POSITION
E	10# ϕ 150 mm C/C (ALL THROUGH)	BOT.
F	10# ϕ 150 mm C/C (ALL THROUGH)	TOP

SPECIAL NOTES:
1. THIS STRUCTURAL DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 250 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALLS.
2. ALL CANTILEVER BEAMS SHOULD BE CAST WITH A PRECAMBER OF 6 mm AT TOP.



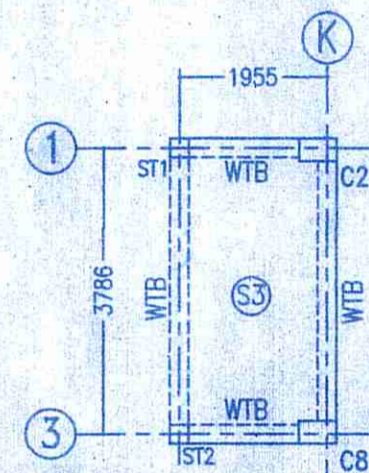
LIFT MACHINE ROOM FLOOR BEAM & SLAB LAYOUT PLAN
AT LVL. (+)16.1 m.

(S3 MARKED SLABS ARE 175 mm THICK)
SCALE- 1:100



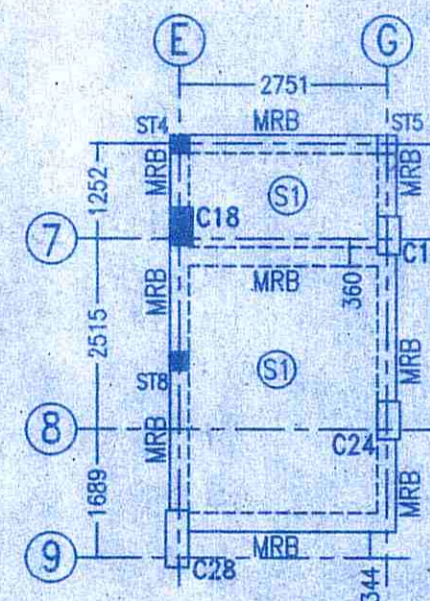
LIFT MACHINE ROOM ROOF BEAM & SLAB LAYOUT PLAN
AT LVL. (+)18.5 m.

(S1 MARKED SLABS ARE 110 mm THK.)
SCALE- 1:100



WATER TANK ROOF BEAM & SLAB LAYOUT PLAN
AT LVL. (+)15.5 m.

P.V.C. TANK CAPACITY SHOULD NOT EXCEED 10000 LTR.
(S3 MARKED SLAB IS 175 mm THK.)
SCALE- 1:100

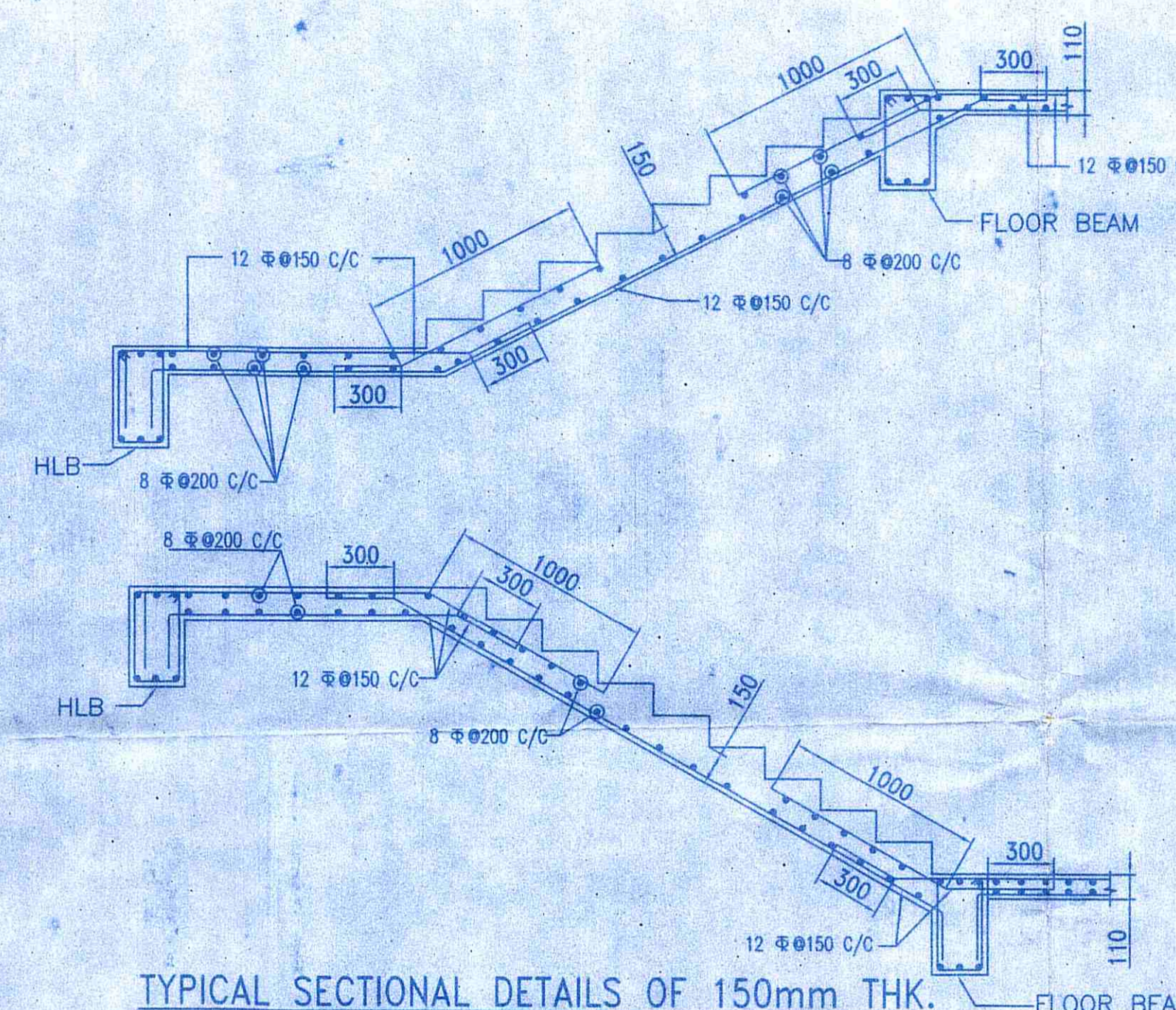


MUMTY ROOF BEAM & SLAB LAYOUT PLAN
AT LVL. (+)16.9m.

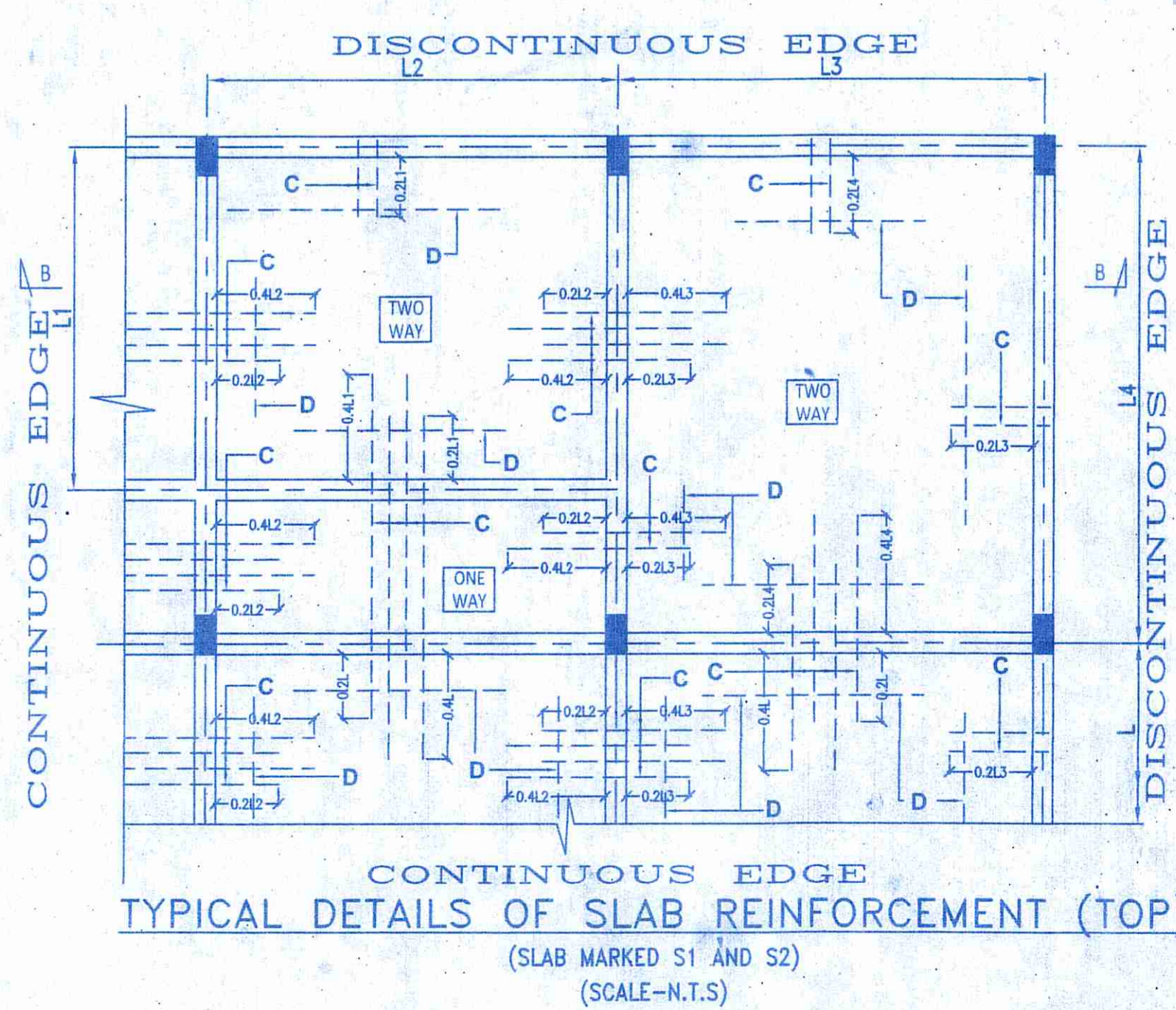
(S1 MARKED SLABS ARE 110 mm THK.)
SCALE- 1:100

SCHEDULE OF ROOF & ABOVE ROOF BEAMS

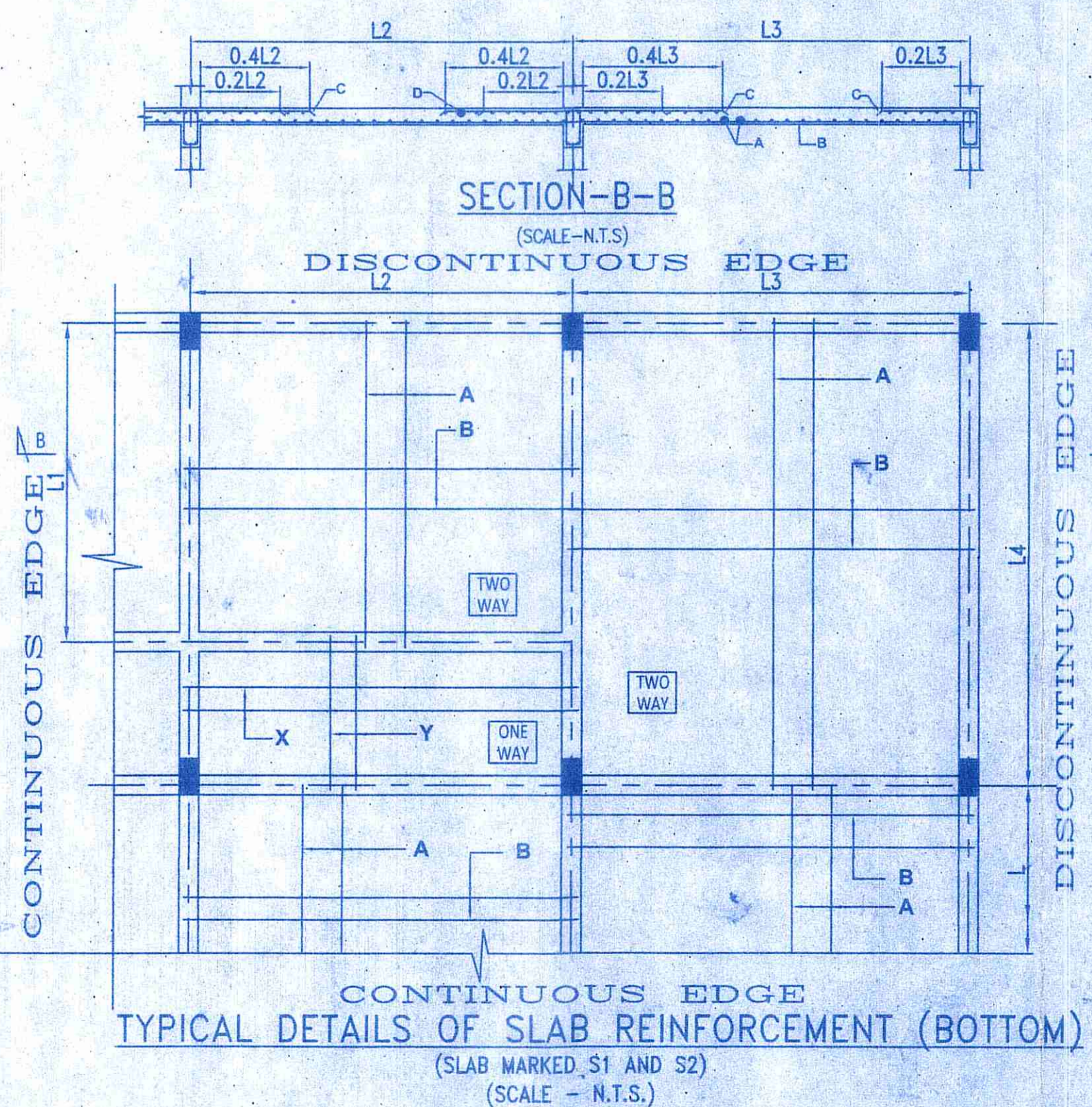
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS (AT SUPPORT) (S1)	STIRRUPS (AT SPAN) (S2)
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	EXTRA AT SPAN		
RB1	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 100 C/C
RB2	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C
RB3	300	400	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 150 C/C
RB4	250	450	3-16 Φ	2-16 Φ	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C
RB5	450	150	4-16 Φ	-	4-16 Φ	-	4L-8 Φ 100 C/C	4L-8 Φ 100 C/C
HLB	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C
WTB	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C
MRB	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C
LMFB	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C
LMRB	250	450	3-16 Φ	-	3-16 Φ	-	2L-8 Φ 100 C/C	2L-8 Φ 200 C/C



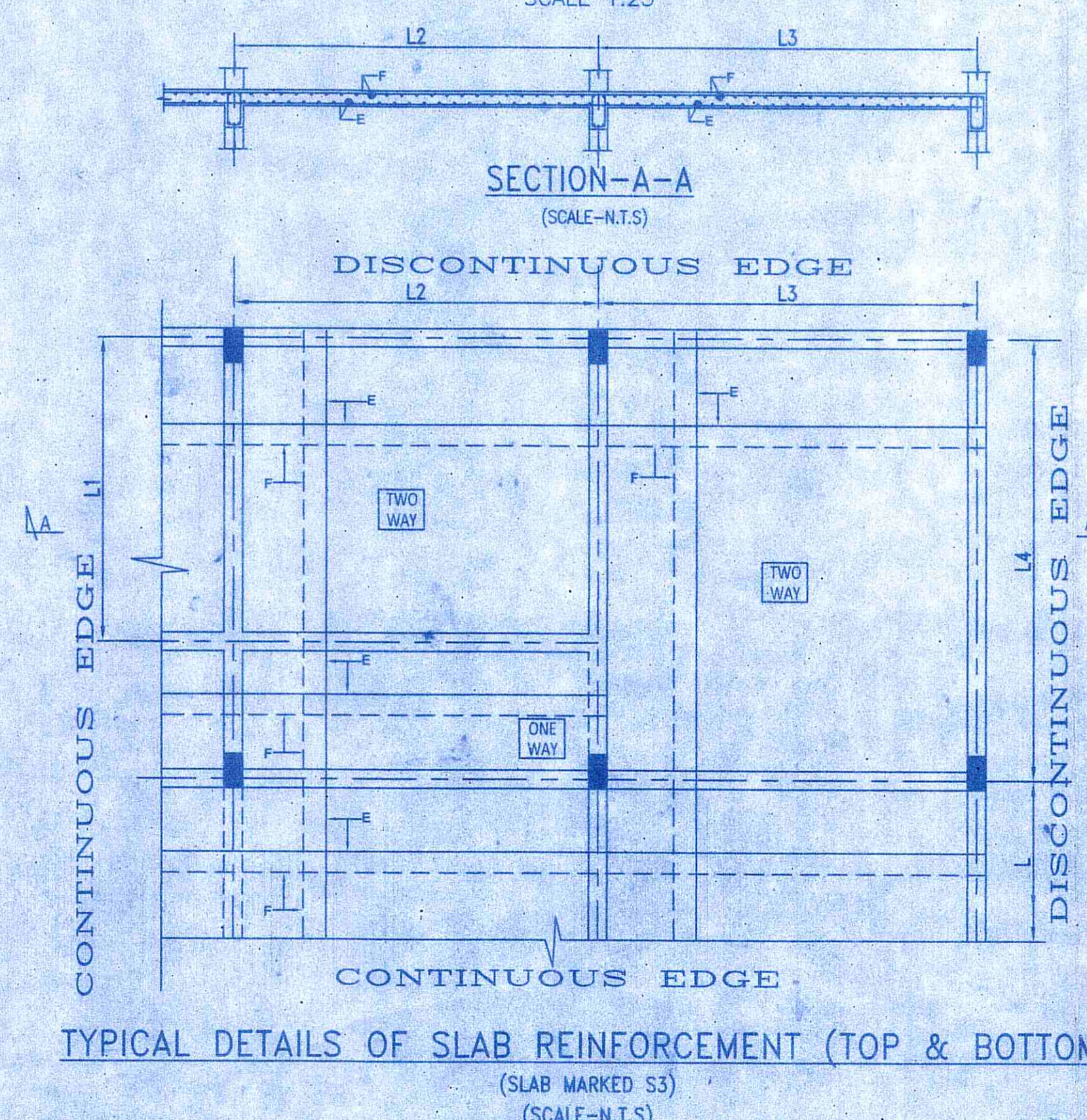
TYPICAL SECTIONAL DETAILS OF 150mm THK. STAIR WAIST SLAB
SCALE 1:25



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP)
(SLAB MARKED S1 AND S2)
SCALE-N.T.S)



TYPICAL DETAILS OF SLAB REINFORCEMENT (BOTTOM)
(SLAB MARKED S1 AND S2)
SCALE - N.T.S)



TYPICAL DETAILS OF SLAB REINFORCEMENT (TOP & BOTTOM)
(SLAB MARKED S3)
SCALE-N.T.S)

- NOTES :
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER. EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/5000 CONFORMING TO IS-1786-2008.
 - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50x BAR DIA.
 - CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:
i) COLUMNS : 40 mm
ii) BEAMS : 30 mm
iii) SLABS : 20 mm
iv) WAIST SLAB : 20 mm
 - GRADE OF CONCRETE FOR SUPERSTRUCTURE & SUBSTRUCTURE WILL BE M25 AS PER IS:456:2000.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
 - WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 60D IN THE SUPPORTING MEMBER.
 - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
 - IN ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UP TO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.

TITLE
PROPOSED PLAN OF G+4 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF S.B. PROPERTIES OVER R.S. PLOT NO. - 12, L.R. PLOT NO. - 30, KHATIAN NO.- 2583, MOUZA - SANKARPUR, J.L. NO- 109, P.S. - NEW TOWNSHIP, DIST- PASCHIM BURDWAN.

CERTIFICATE OF STRUCTURAL ENGINEER
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.
DONA CHATTERJEE
Structural Consultant
B. E.-Civil (First class, Hons.) J. U.
M. E.-Structures (First class) J. U.
ESE- II (K. M. C), Licence No. ESE/116/18
6.2.2020
SUSMITA CHOUDHURY
B.TECH (WATER MGMT)
CIVIL ENGINEER (WQA)
LICENSE NO- OVER/100/10/1975
M-8897517321, 7093201756

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT

SIGNATURE OF THE VETTING AUTHORITY
VIJAYA SINGH
DMC REGISTERED
LIC NO. - DMC/BPD/60
VIJAYA SINGH MAZUMDER
Consulting Architect
DMC Registered (DMC/BPD/60)
9332602100, 9478426109

SIGNATURE OF GEOTECHNICAL ENGINEER
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT
Approved Plan No. 25/... Meeting No. 19/20... Date 25/02/20... Valid upto 27/02/2022
ASIM SARKAR
B.C.E. (SOIL), MIGS
EMPLOYEED GEOTECHNICAL ENGINEER
K.M.C. No. : CLASS -I/2
Malika Lohar
Pradhan
Jenuus Gram Panchayat,
Muzna No. - 748-674/2019-20

CERTIFICATE OF OWNER
S.B. PROPERTIES
Sudip B. Sarin
Proprietor

DRAWING TITLE
ROOF & ABOVE ROOF BEAM AND SLAB LAYOUT PLAN & REINFORCEMENT DETAILS, REINFORCEMENT DETAILS OF STAIR.
SCALE-1:100 OR AS SHOWN
DATE- 03.02.2020
SHEET NO. - 3 OF 3