

GENERAL NOTES:

1. THESE NOTES APPLY TO ALL DRAWING SHEETS UNLESS NOTED OTHERWISE.
2. ALL DIMENSIONS ARE TO BE READ ONLY.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
4. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE COMMENCING WORK (I.E. BEFORE DESIGN, FABRICATION AND CONSTRUCTION) AND NOTIFY THE ENGINEERS IMMEDIATELY OF ANY VARIATION FROM THE PLANS FOR THE ENGINEERS EVALUATION. COORDINATING AND VERIFICATION OF DIMENSIONS AND LOCATION OF EMBEDDED ITEMS IS THE RESPONSIBILITY OF THE CONTRACT
5. RESOLVE ANY CONFLICT ON THE CONTRACT DOCUMENTS WITH THE ENGINEER BEFORE PROCEEDING WITH WORK. INCASE OF DISCREPANCY IN SIZES, DETAILS, CONDITIONS ETC. THE CONTRACTOR SHALL INCLUDE IN HIS BID THE MOST STRINGENT SIZE/DETAIL/CONDITION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT THE WORK SITE, PARTICULARLY, EXCAVATED AREAS, FROM FLOODING, PONDING. AN INUNDATION BY POOR OR IMPROPER SURFACE DRAINAGE, TEMPORARY PROVISIONS SHOULD BE MADE TO ADEQUATELY DIRECT SURFACE DRAINAGE FROM ALL SOURCES AWAY FROM AND OFF THE WORK SITE. ALSO PROVIDE ADEQUATE SUMPS AND PUMPS TO HANDLE ANY FLOW INTO THE EXCAVATION.
7. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT & EOR BEFORE PROCEEDING WITH ANY WORK TO BE INVOLVED.
8. FIELD DRILLING OF HOLES IN ANY STRUCTURAL MEMBER IS NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OR THE STRUCTURAL ENGINEER.
9. UNLESS OTHERWISE NOTED, ALL DETAILS, SECTIONS AND NOTES ON THE DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE.
10. CONTRACTORS SHALL VERIFY THE LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES, ETC., AND TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE SAME FROM DAMAGE. ANY SUCH DAMAGE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S COST.
11. "TYPICAL DETAILS" ARE APPLICABLE THROUGHOUT CONSTRUCTION DOCUMENTS AND MAY NOT BE SPECIFICALLY REFERENCED THEREIN. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THESE TYPICAL DETAILS AND UNDERSTANDING EXTENT OF THEIR APPLICATION TO PERFORMING WORK.
12. UNLESS OTHERWISE INDICATED ALL CONSTRUCTION JOINTS SHALL BE ROUGHENED JOINTS WITH MINIMUM AMPLITUDE OF 5MM.
13. PLUMBING SLOTS, HOLES AROUND PIPES, DUCTS OR OTHER ITEMS WHICH PASS THROUGH CONCRETE SLAB OR WALL SHALL BE FILLED AND PATCHED TO THE SAME DEPTH AS THE SLAB OR WALL.

REINFORCING STEEL:

1. REINFORCEMENT SHALL BE THERMO MECHANICALLY TREATED(TMT) OF GRADE FE: 500 CONFORMING TO IS 1786:2008.
2. LAP LENGTH SHALL BE EQUAL TO DEVELOPMENT LENGTH (LD)
3. NOT MORE THAN HALF OF THE LONGITUDINAL BARS SHALL BE LAPPED AT A SECTION.
4. LAP SPLICES SHALL BE PROVIDED ONLY IN THE MIDDLE HALF OF THE COLUMN.
5. LAPPING OF BOTTOM BARS IN THE BEAM SHOULD BE RESTRICTED TO A REGION AT LEAST '2d' AWAY FROM COLUMN FACE WHERE 'd' IS THE EFFECTIVE BEAM DEPTH, BUT EXCLUDING MIDDLE QUARTER LENGTH OF THE BEAM WHILE LAPPING OF TOP BARS SHOULD BE RESTRICTED TO ONE - THIRD LENGTH OF THE BEAM.
6. DEVELOPMENT LENGTH (Ld) SHALL BE AS FOLLOW:

GRADE OF CONCRETE	M20	M25	M30
DEVELOPMENT LENGTH (LD)	57Ø	49Ø	45Ø

7. AT AN EXTERIOR JOINT, TOP AND BOTTOM LONGITUDINAL BARS OF BEAM SHALL BE PROVIDED WITH HORIZONTAL LENGTH BEYOND THE INNER FACE OF THE COLUMN, EQUAL TO HORIZONTAL DEVELOPMENT LENGTH (ldh) TERMINATING A STANDARD HOOK OF LENGTH 12db.

ldh for fy= 500 N/mm ² & fck =M25					
db (mm)	10	12	16	20	25
ldh (mm)	206.19	247.87	329.9	412.4	515.5

8. SPECIAL CONFINING TIES SHALL BE PROVIDED OVER A LENGTH L₀ FROM THE FACE OF THE JOINT TOWARDS THE MID HEIGHTS OF COLUMNS ON EITHER SIDE OF THE JOINT OR AT SECTION WHERE FLEXURAL YIELDING IS LIKELY TO OCCUR. THE LENGTH L₀ SHALL BE THE MAXIMUM OF LARGER LATERAL DIMENSION OF COLUMN OR 450mm OR $\frac{1}{8}$ OF CLEAR HEIGHT OF COLUMN.
9. AT BEAM - COLUMN JUNCTIONS, BEAM BARS IF IN CONFLICT WITH COLUMN BARS SHOULD BE GRADUALLY BENT AND PLACED CLEAR OFF COLUMN BARS. UNDER NO CIRCUMSTANCES COLUMN VERTICAL BARS SHALL BE BENT TO ACCOMMODATE BEAM BARS.

CONCRETE:

1. CEMENT SHALL CONFORM TO IS 12269:2013.
2. AGGREGATE SHALL CONFORM TO IS 383:2016.
3. GRADE OF CONCRETE MIX SHALL BE AS FOLLOWS:

GRADE OF CONCRETE		
COLUMN	FOUNDATION, RAMP, BASEMENT WALL, BEAM,SLAB, STAIRCASE	LINTEL/ SILL BAND
M30	M25	M20

4. CLEAR COVER TO REINFORCEMENT SHALL BE AS FOLLOWS:

CLEAR COVER (mm)			
FOUNDATION	COLUMN	BEAM	SLAB, STAIRCASE, LINTEL/ SILL BAND
50	40	25	15

5. THE MAXIMUM DESIGN SLUMP FOR PUMPED CONCRETE SHALL BE IN BETWEEN 75-100 mm AND FOR NORMAL CONCRETE IN BETWEEN 50-100 mm.
6. ALL DETAILS, METHODS OF CONSTRUCTION, ETC., SHALL COMPLY WITH ALL REQUIREMENTS AND/OR RECOMMENDATIONS OF IS 456:2000.
7. ADMIXTURES SHALL NOT BE USED WITHOUT CONSENT OF THE ENGINEER.

STRUCTURAL DESIGN CRITERIA:

SEISMIC DESIGN:	
LOCATION	CHITLANG, MAKAWANPUR
SEISMIC ZONING FACTOR (Z)	0.35
STRUCTURE TYPE	RC SMRF
IMPORTANCE FACTOR (I)	1.25
DUCTILITY FACTOR (R)	4.0
OVERSTRENGTH FACTOR	1.5
SUBSOIL CATEGORY	TYPE C
SOIL PARAMETER:	
TYPE OF FOUNDATION	RAFT
GRAVITY LOADS:	
DEAD LOAD	
FLOOR FINISH FOR TOILET/BATHROOMS	2.5 KN/m ²
FLOOR FINISH FOR ALL OTHER ROOMS	1.5 KN/m ²
LIVE LOAD	
BATHROOM	2 KN/m ²
LECTURER ROOM	3 KN/m ²
STAIRCASE/CORRIDORS/BALCONY	4 KN/m ²
ACCESSIBLE ROOF	1.5 KN/m ²

DESIGN CODES AND STANDARDS:

COMPLY WITH THE PROVISIONS OF THE FOLLOWING CODES AND STANDARDS, EXCEPT AS INDICATED OF SPECIFIED OTHERWISE:

1. IS 456:2000- PLAIN AND REINFORCED CONCRETE-CODE OF PRACTICE (FOURTH REVISION)
2. IS 875(PART 1): 1987-DEAD LOADS-UNIT WEIGHT OF BUILDING MATERIALS AND STORED MATERIALS (SECOND REVISION)
3. IS 875(PART 2):1987-IMPOSED LOAD(SECOND REVISION)
4. NBC 105:2020 SEISMIC DESIGN OF BUILDINGS IN NEPAL
5. SP 34-1987 -HANDBOOK ON CONCRETE REINFORCEMENT AND DETAILING (FIFTH REPRINT MARCH 1999)
6. IS 800:2007-GENERAL CONSTRUCTION OF STEEL-CODE OF PRACTICE (THIRD REVISION)
7. SP-6(1)-1964 -HANDBOOK FOR STRUCTURAL ENGINEERS

ABBREVIATIONS:

FOLLOWING ABBREVIATIONS ARE USED IN THE DRAWINGS:

2L	TWO LEGGED
4L	FOUR LEGGED
3L	THREE LEGGED
@	AT
Ø	DIAMETER OF REBAR
B	BOTTOM STEEL BAR
C/C	CENTER TO CENTER
d	DIAMETER OF REBAR
D _f	DEPTH OF FOOTING
IS	INDIAN STANDARD
KN/M ²	KILO NEWTON PER SQUARE METER
L _d	DEVELOPMENT LENGTH
RC	REINFORCED CONCRETE
SMRF	SPECIAL MOMENT RESISTING FRAME
T	TYPE OF STEEL/TOP STEEL BAR
T/B	TOP & BOTTOM
TH.	THICKNESS
c	CLEAR COVER
Ø _b	DIAMETER OF THE MAIN BEAM BAR
L	LENGTH
B	BREADTH

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CLIENT:

MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:

DETAIL ARCHITECTURAL AND ENGINEERING DESIGN
WORK OF GRADUATE PROGRAM BUILDINGS III &IV
AND EXTERNAL INFRASTRUCTURE PLANNING
INCLUDING LANDSCAPING WORKS
AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO,LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948"Civil" "A")

REVIEWED BY:

DRAWING TITLE:

GENERAL NOTES

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

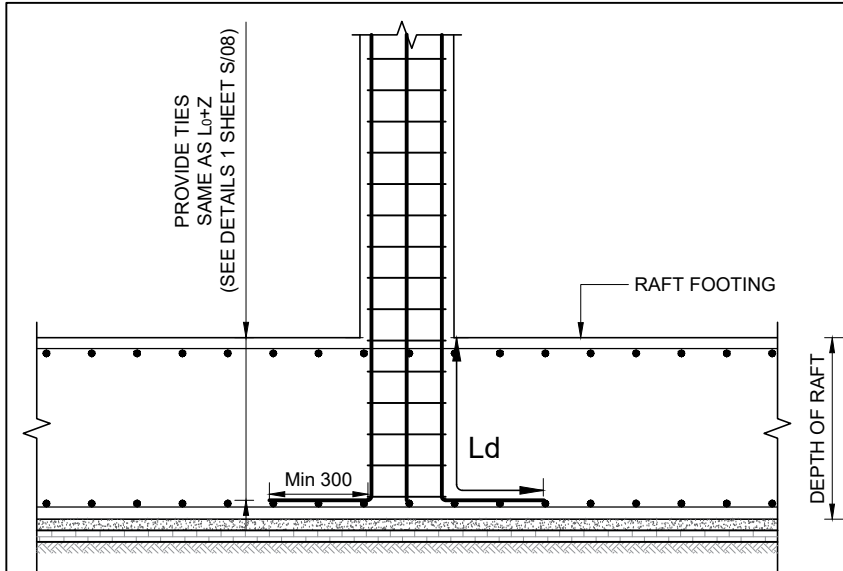
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DATE: FEB. , 2022

REVISION NO.: N/A

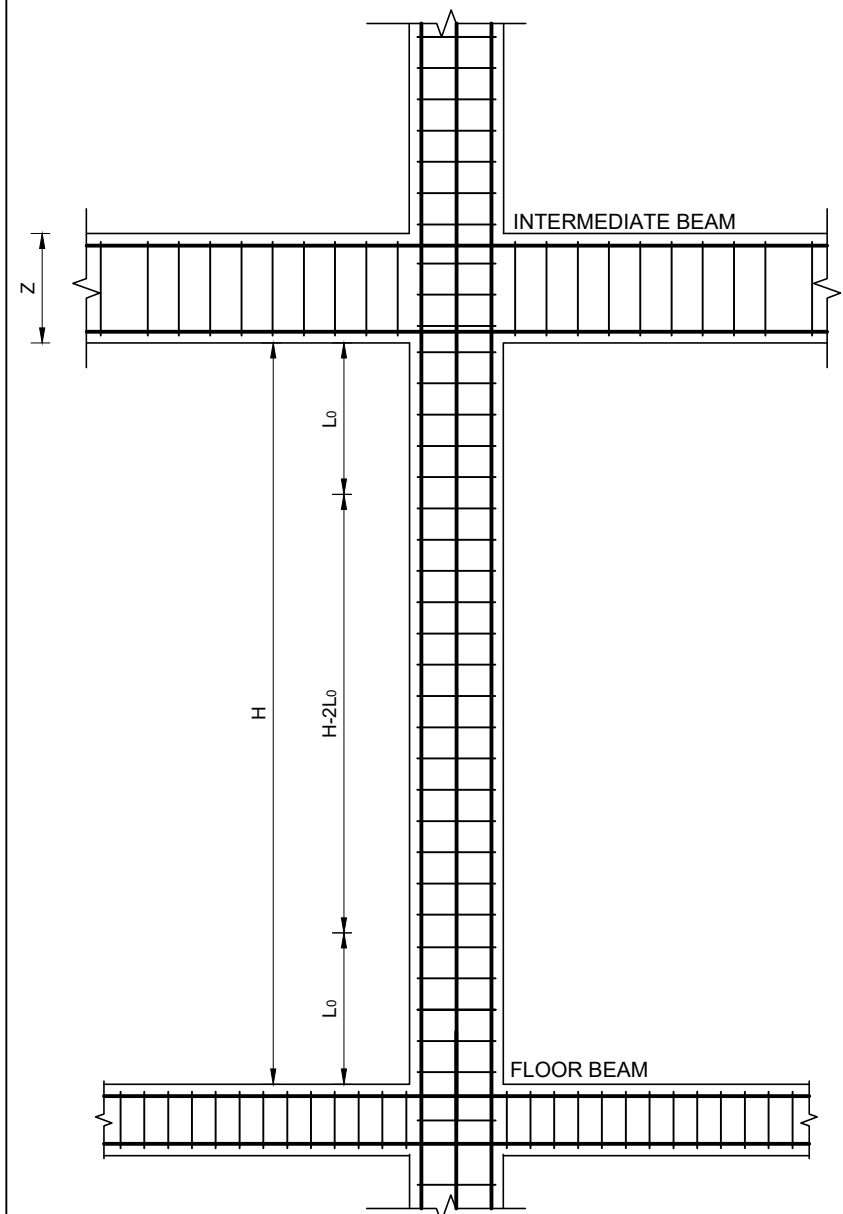
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S-001



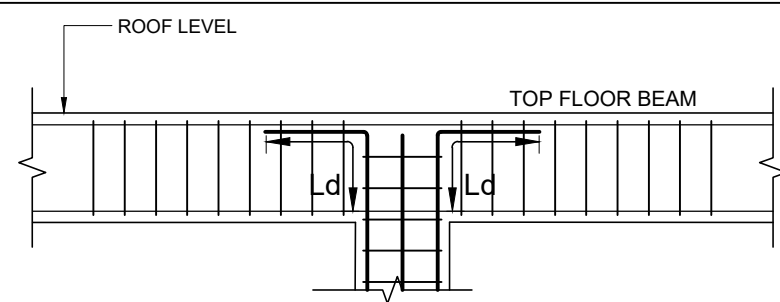
**COLUMN BAR TERMINATION DETAIL
IN RAFT**

1
NOT TO SCALE



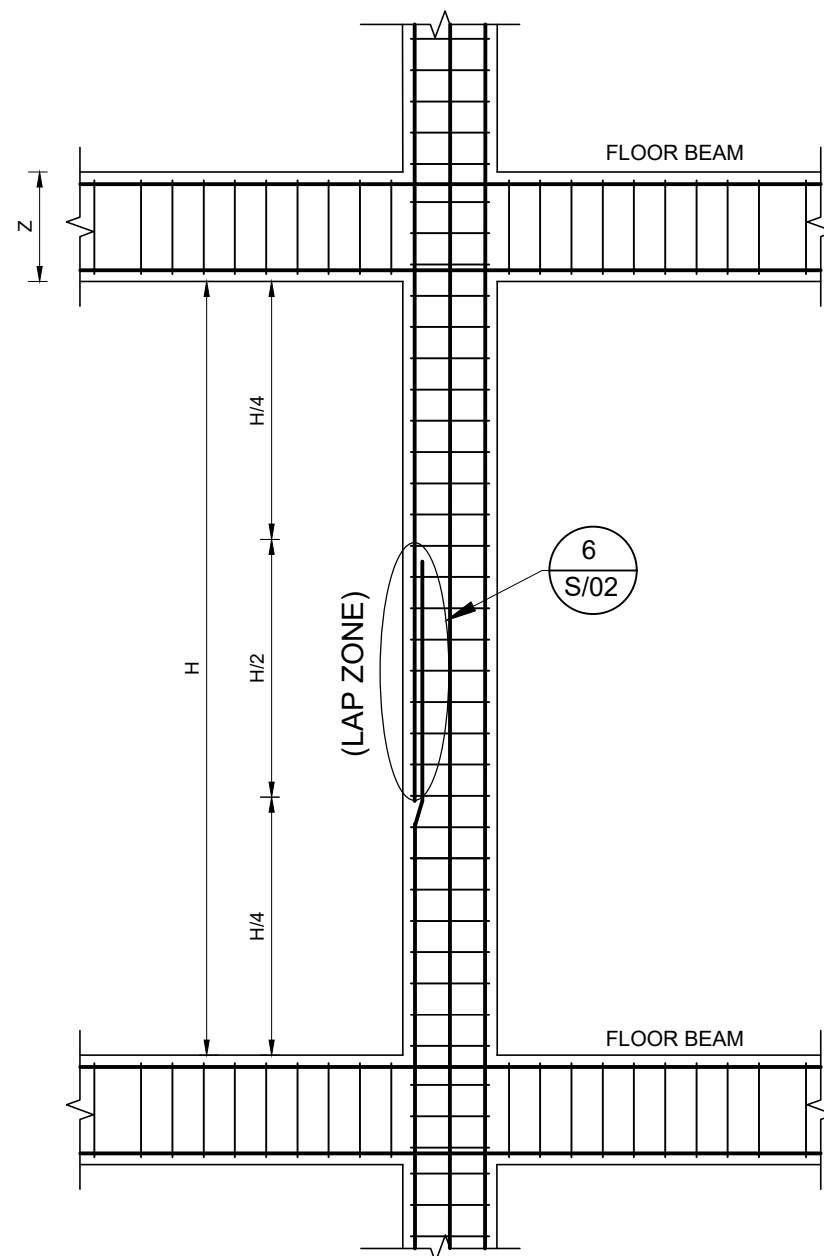
TIES DETAIL
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2



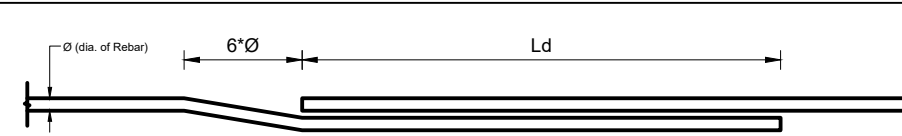
COLUMN BAR TERMINATION DETAIL
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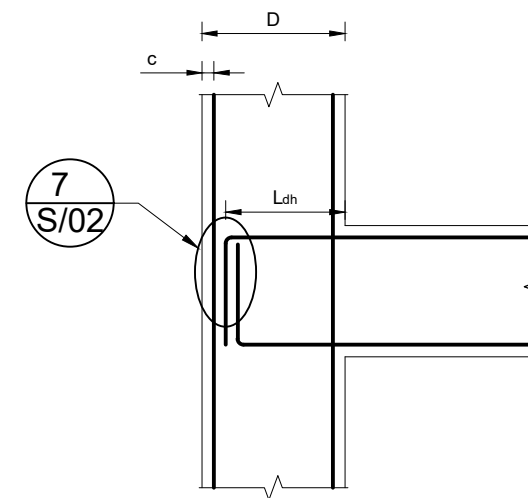
LAP DETAIL OF COLUMN
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4



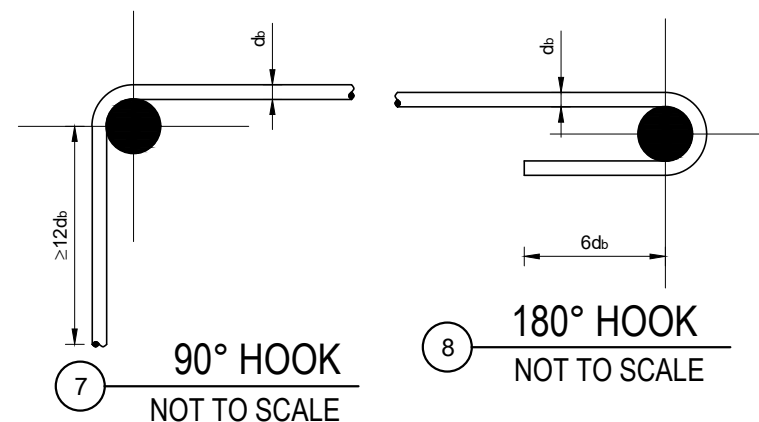
REBAR LAPPING DETAILS
NOT TO SCALE

6



**ANCHORAGE OF BEAM
LONGITUDINAL BARS IN COLUMN**
NOT TO SCALE

5

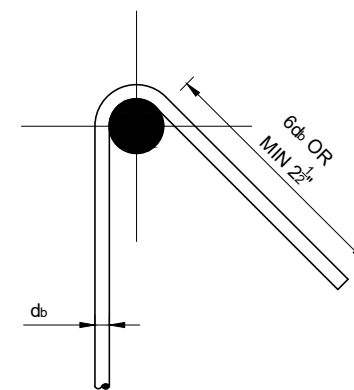


90° HOOK
NOT TO SCALE

180° HOOK
NOT TO SCALE

7

8



135° HOOK
NOT TO SCALE

9

NOTE:

1. REFER GENERAL NOTES IN SHEET S/100 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH

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CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

TYPICAL DETAILS

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

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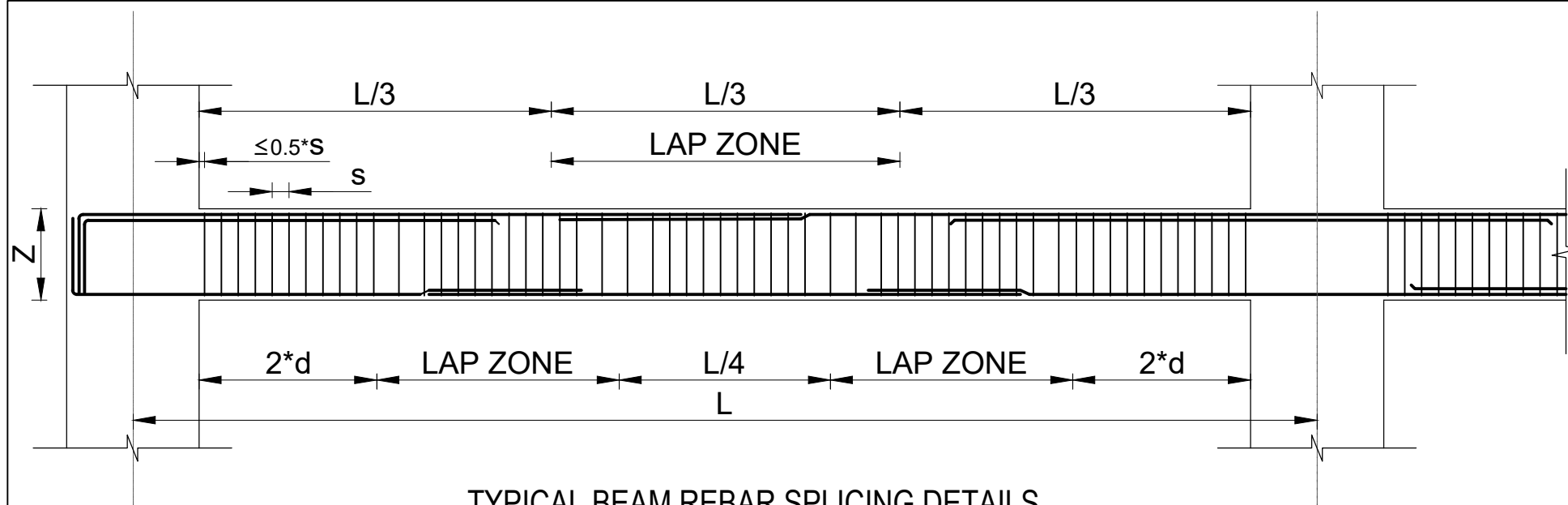
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DATE: FEB. , 2022

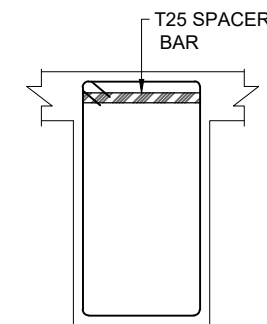
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SHEET NO.

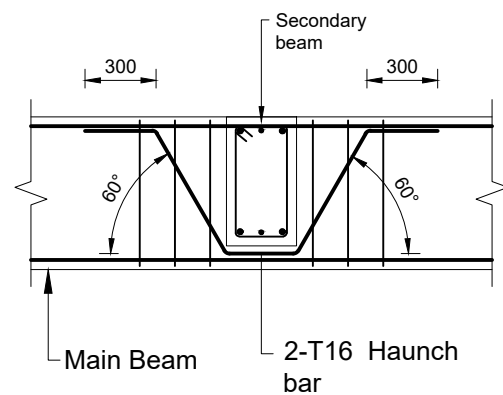
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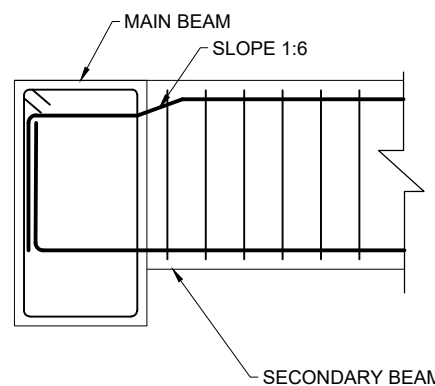
10 TYPICAL BEAM REBAR SPLICING DETAILS
NOT TO SCALE



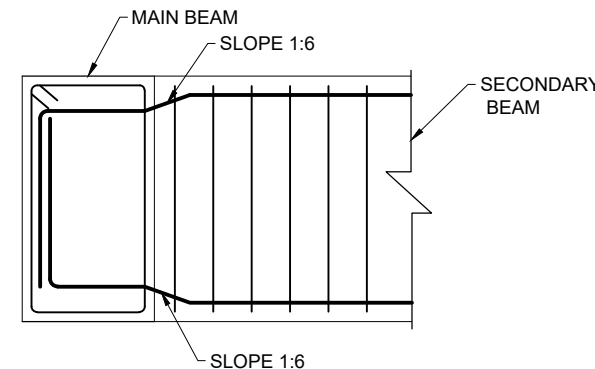
12 SPACER BAR DETAIL
NOT TO SCALE



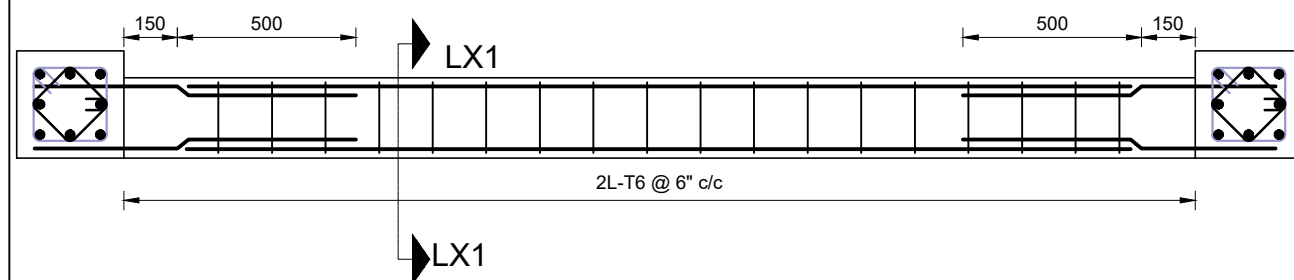
11 HAUNCH BAR DETAILS
NOT TO SCALE



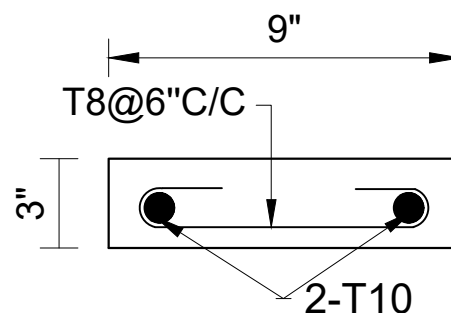
13 CONNECTION DETAIL BETWEEN
MAIN & SECONDARY BEAM
(UNEQUAL DROP)
NOT TO SCALE



14 CONNECTION DETAIL BETWEEN
MAIN & SECONDARY BEAM
(EQUAL DROP)
NOT TO SCALE



15 SECTIONAL PLAN OF
SILL AND LINTEL BAND
NOT TO SCALE



DETAIL AT "LX1-LX1"
NOT TO SCALE

NOTE:
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REBAR, CONCRETE GRADE & DEVELOPMENT
LENGTH

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TYPICAL DETAILS

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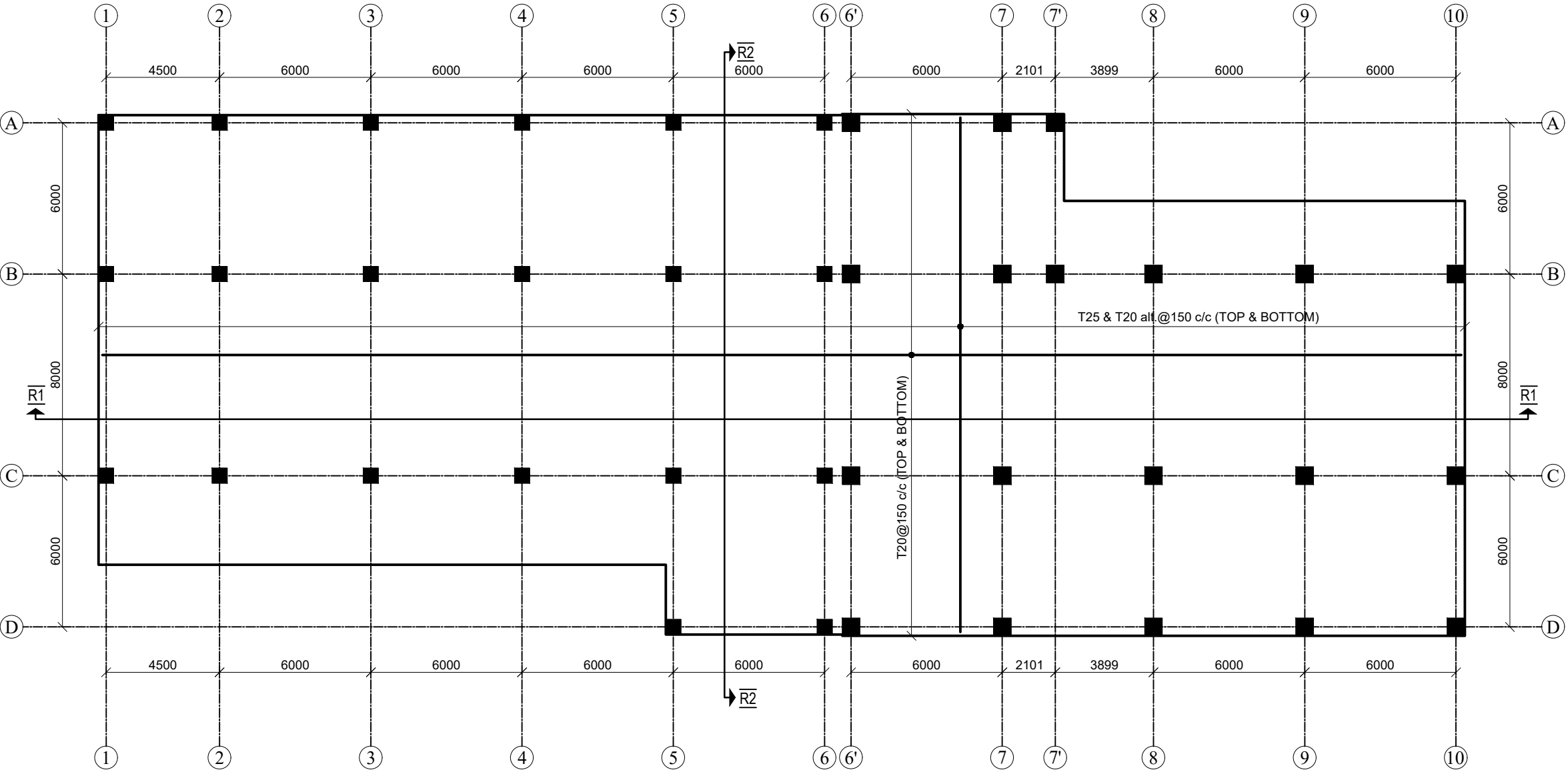
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DATE: FEB. , 2022

REVISION NO.: N/A

SHEET NO.

S-003



RAFT TOP & BOTTOM REBAR DETAILS
RAFT DEPTH=750mm
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 6,7,8 & 9 IN SHEET S-102 FOR REBAR LAP LENGTH AND HOOK DETAILS
3. REFER SHEET S-105 FOR RAFT REBAR SECTION DETAILS

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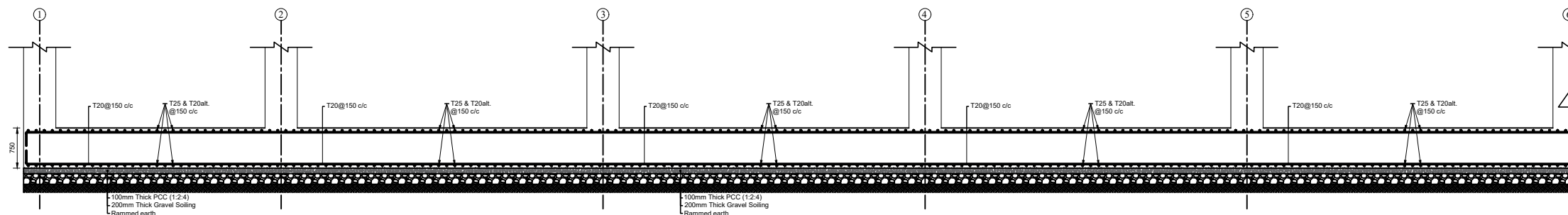
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DRAWING TITLE:
RAFT TOP & BOTTOM REBAR DETAILS

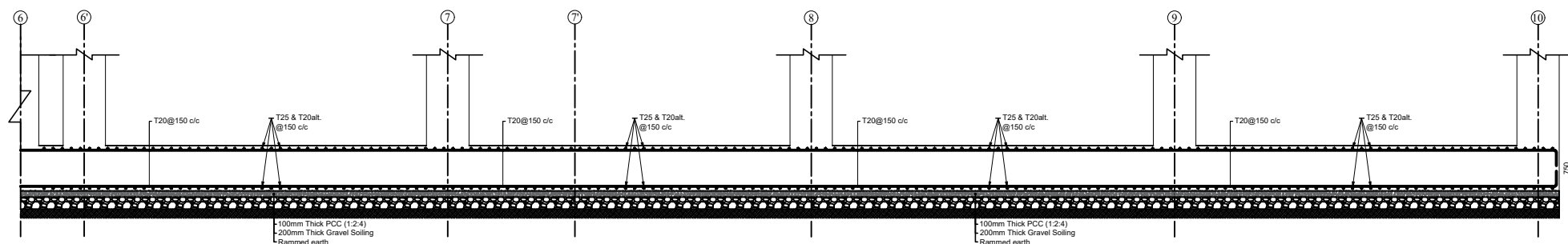
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PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	1:200
DATE:	FEB. , 2022
REVISION NO.:	N/A

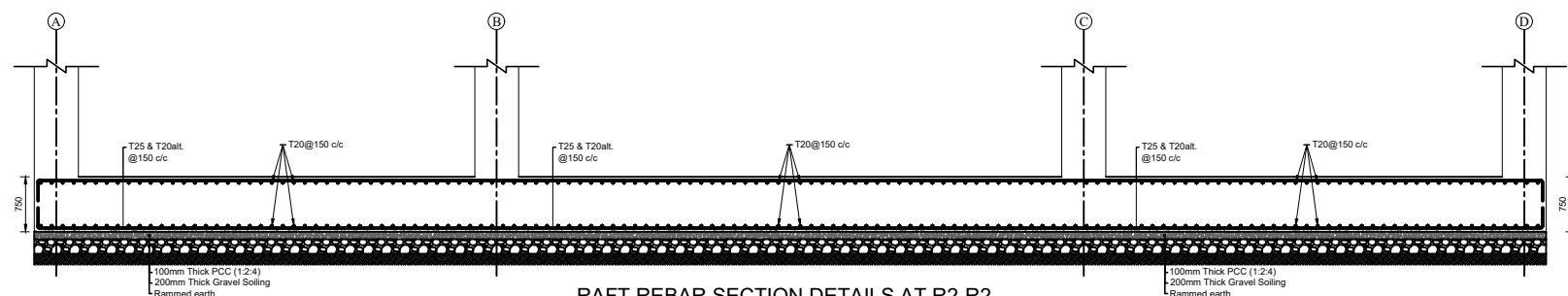
SHEET NO.
S-101



RAFT REBAR SECTION DETAILS AT R1-R1
SCALE=1:50



RAFT REBAR SECTION DETAILS AT R1-R1
SCALE=1:50



RAFT REBAR SECTION DETAILS AT R2-R2
SCALE=1:50

- NOTE:**
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 6,7,8 & 9 IN SHEET S-102 FOR REBAR LAP LENGTH AND HOOK DETAILS
 3. REFER SHEET S-104 FOR RAFT REBAR PLAN

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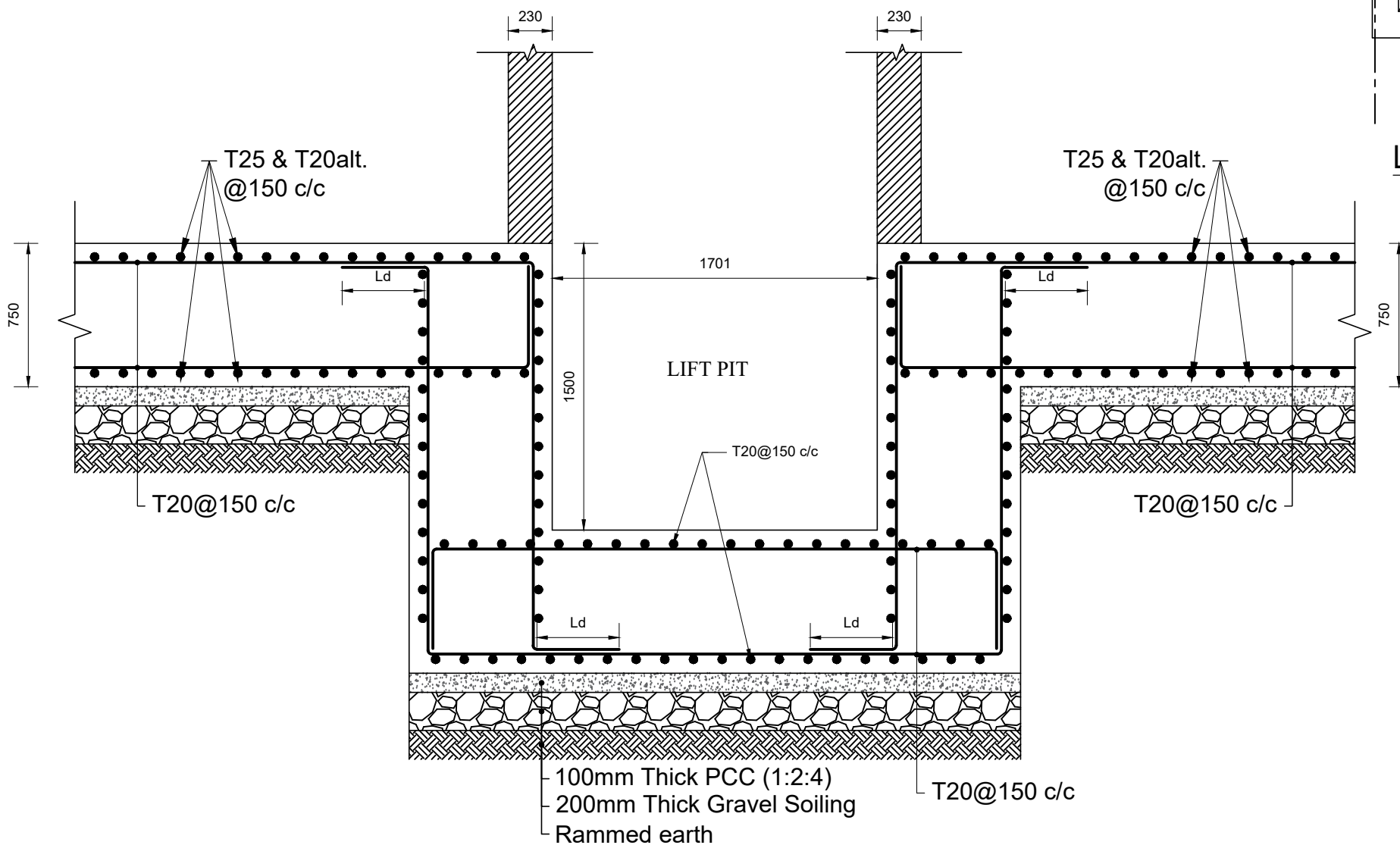
REVIEWED BY:

DRAWING TITLE:
RAFT REBAR SECTION DETAILS

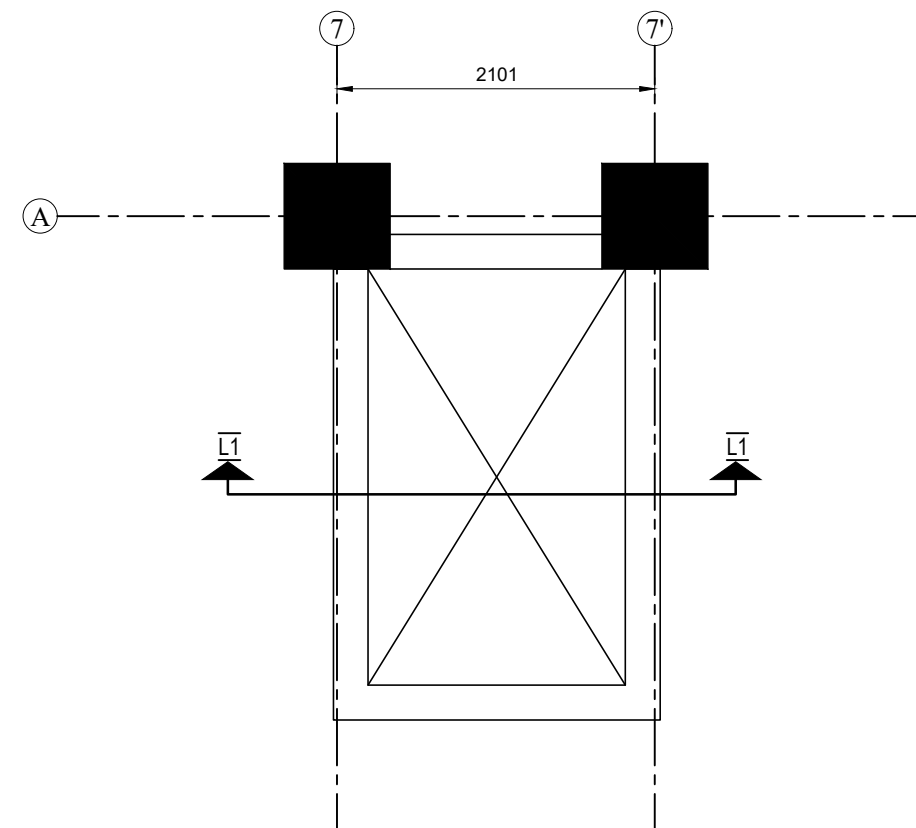
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SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-102



LIFT PIT REBAR DETAILS AT
"L1-L1"
SCALE=1:30



LIFT PIT PLAN
SCALE=1:50

- NOTE:
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 - REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

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REVIEWED BY:

DRAWING TITLE:
LIFT PIT PLAN & SECTION DETAILS

REVISIONS:		
NUM.	DESCRIPTION	DATE
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B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

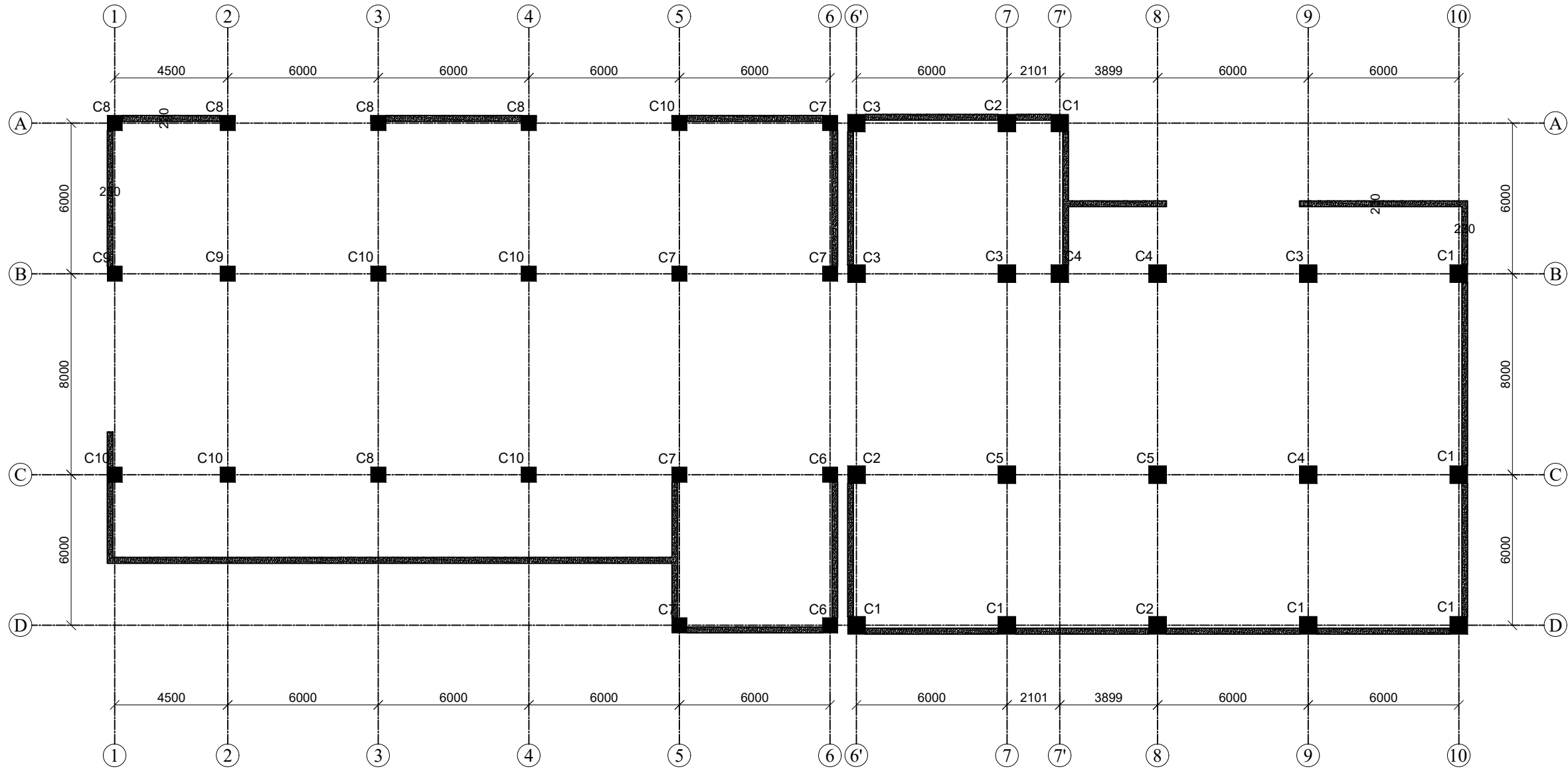
SCALE: AS SHOWN

DATE: FEB. , 2022

REVISION NO.: N/A

SHEET NO.

S-103



COLUMN & BASEMENT WALL PLAN
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER SHEET DETAIL 1 IN SHEET S-107 FOR COLUMN SCHEDULE & DETAIL 2 IN SHEET S-107 FOR BASEMENT WALL SECTION DETAILS

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:
MADAN BHANDARI UNIVERSITY OF SCIENCE AND TECHNOLOGY DEVELOPMENT BOARD
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
DETAIL ARCHITECTURAL AND ENGINEERING DESIGN
WORK OF GRADUATE PROGRAM BUILDINGS III & IV
AND EXTERNAL INFRASTRUCTURE PLANNING
INCLUDING LANDSCAPING WORKS
AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:
COLUMN & BASEMENT WALL PLAN

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

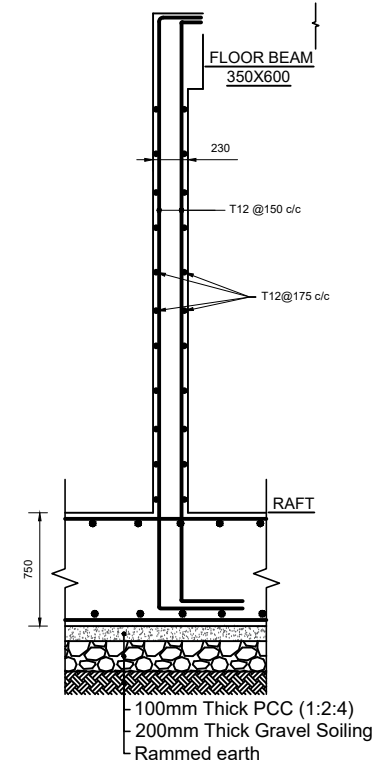
PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	1:200
DATE:	FEB. , 2022
REVISION NO.:	N/A

SHEET NO.
S-201

COLUMN DETAILS

SN.	COLUMN	GRID	SIZE	FLOOR LEVEL (FL)	REINFORCEMENT		SECTIONS	SHAPE OF STIRRUPS	
					LONGITUDINAL	TIES			
						L ₀ +Z			H-2L ₀
1	C1	7A,10B,10C,6'D,7D,9D,10D	700X700	FOUNDATION TO FIRST FL	16-T25+4-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	8-T25+12-T20				
				SECOND TO THIRD FL	20-T20				
				THIRD FL AND ABOVE	12-T20+8-T16				
2	C2	7A,6'C,8D	700X700	FOUNDATION TO FIRST FL	12-T25+8-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	4-T25+16-T20				
				SECOND TO THIRD FL	12-T20+8-T16				
				THIRD FL AND ABOVE	4-T20+16-T16				
3	C3	6'A,6'B,7B,9B	700X700	FOUNDATION TO FIRST FL	12-T25+4-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	4-T25+12-T20				
				SECOND TO THIRD FL	12-T20+4-T16				
				THIRD FL AND ABOVE	8-T20+8-T16				
4	C4	7'B,8B,9C	700X700	FOUNDATION TO FIRST FL	8-T25+8-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	16-T20				
				SECOND TO THIRD FL	12-T20+4-T16				
				THIRD FL AND ABOVE	8-T20+8-T16				
5	C5	7C,8C	700X700	FOUNDATION TO FIRST FL	16-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	12-T20+4-T16				
				SECOND TO THIRD FL	12-T20+4-T16				
				THIRD FL AND ABOVE	8-T20+8-T16				
6	C6	6C,6D	600X600	FOUNDATION TO FIRST FL	12-T25+8-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	4-T25+16-T20				
				SECOND TO THIRD FL	12-T20+8-T16				
				THIRD FL AND ABOVE	-				
7	C7	6A,5B,6B,5C,5D	600X600	FOUNDATION TO FIRST FL	12-T25+4-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	8-T25+8-T20				
				SECOND TO THIRD FL	8-T25+8-T20				
				THIRD FL AND ABOVE	16-T20				
8	C8	1A,2A,3A,4A,3C	600X600	FOUNDATION TO FIRST FL	8-T25+8-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	4-T25+12-T20				
				SECOND TO THIRD FL	12-T20+4-T16				
				THIRD FL AND ABOVE	-				
9	C9	1B,2B	600X600	FOUNDATION TO FIRST FL	8-T25+8-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	8-T25+8-T20				
				SECOND TO THIRD FL	16-T20				
				THIRD FL AND ABOVE	-				
10	C10	5A,3B,4B,1C,2C,4C	600X600	FOUNDATION TO FIRST FL	4-T25+12-T20	T10@100C/C	T10@150C/C		
				FIRST TO SECOND FL	4-T25+12-T20				
				SECOND TO THIRD FL	8-T20+8-T16				
				THIRD FL AND ABOVE	8-T20+8-T16				

1 COLUMN DETAILS
SCALE=1:50



2 BASEMENT WALL SECTION DETAILS
SCALE=1:30

- NOTE:
- REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 - REFER DETAILS 1 SHEET S-102 FOR COLUMN REBAR TERMINATION IN RAFT FOUNDATION
 - REFER DETAILS 3 SHEET S-102 FOR COLUMN REBAR TERMINATION IN TOP FLOOR BEAM
 - REFER DETAILS 2 SHEET S-102 FOR TIES DISTRIBUTION IN COLUMN
 - REFER DETAILS 4 SHEET S-102 FOR COLUMN MAN BAR LAPPING POSITION
 - REFER DETAILS 6,7,8 & 9 IN SHEET S-103 FOR REBAR LAP LENGTH AND HOOK DETAILS
 - REFER SHEET S-106 FOR COLUMN & BASEMENT WALL PLAN

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:
MADAN BHANDARI UNIVERSITY OF SCIENCE AND TECHNOLOGY DEVELOPMENT BOARD
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
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AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

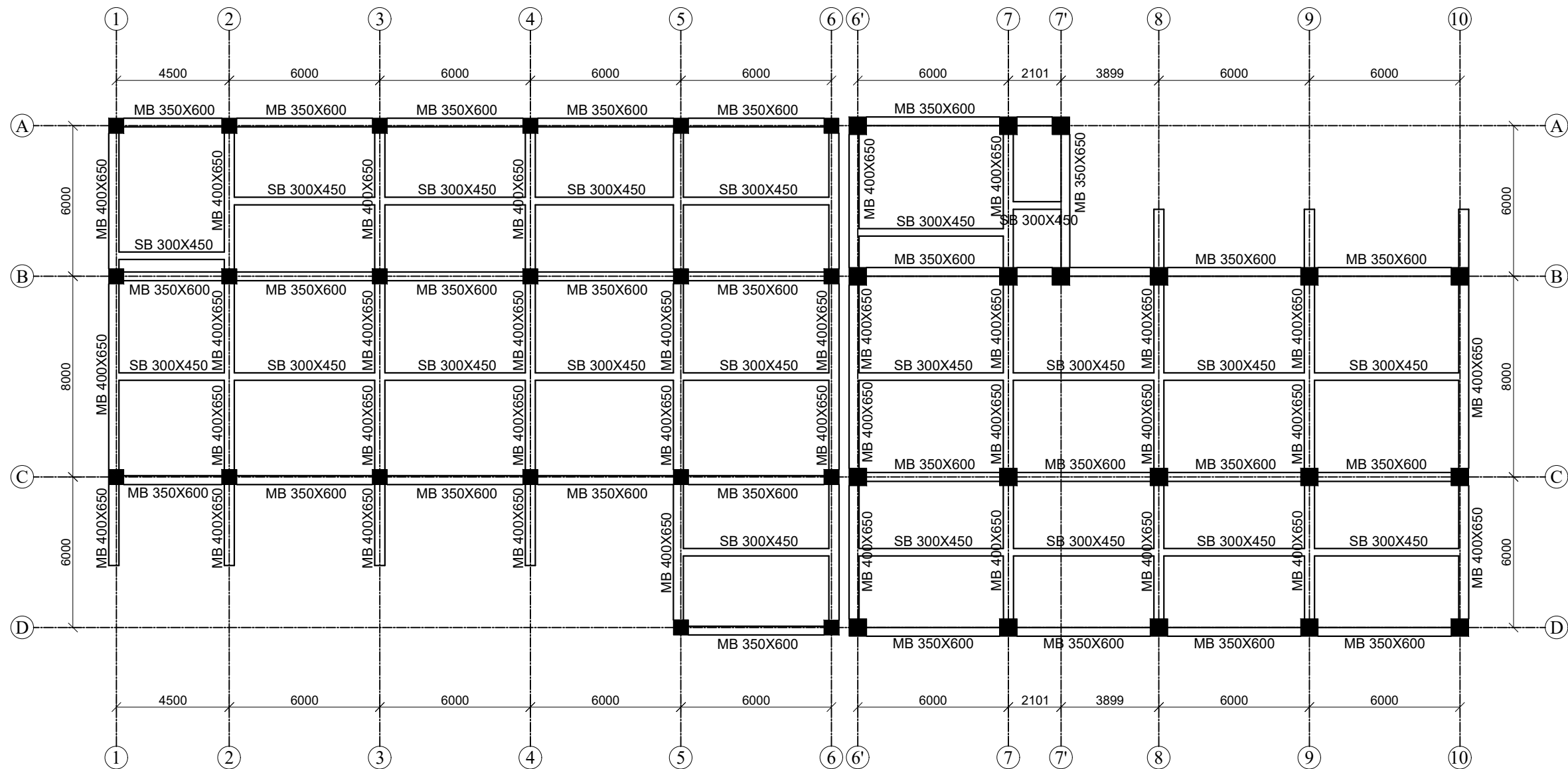
REVIEWED BY:

DRAWING TITLE:
COLUMN SCHEDULE & TYPICAL BASEMENT WALL SECTION DETAILS

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-202



BEAM PLAN
GROUND FLOOR LEVEL
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR,
CONCRETE GRADE & DEVELOPMENT LENGTH

NOTE:
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CLIENT:
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DEVELOPMENT BOARD**
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AT
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MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
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GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

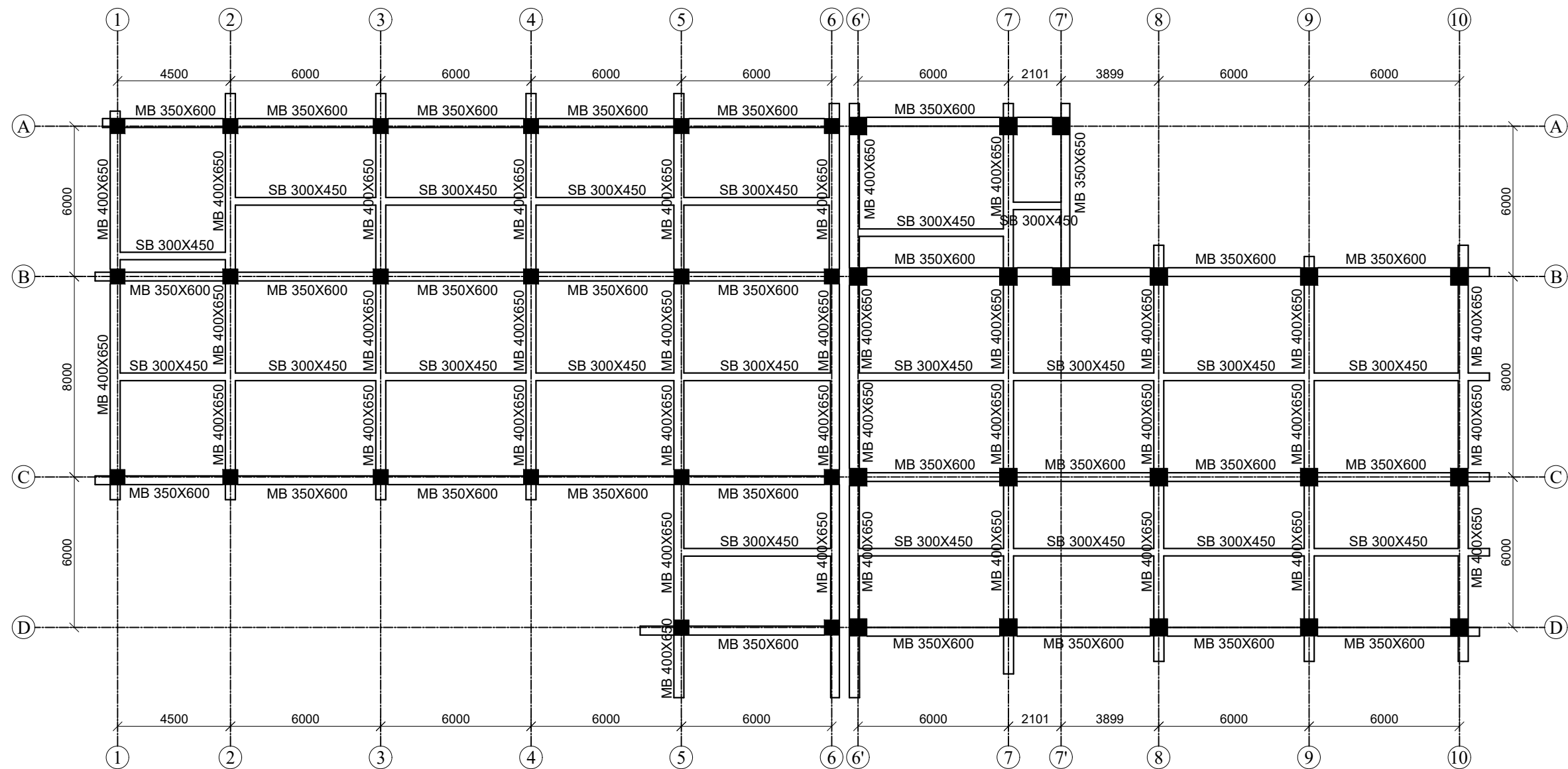
REVIEWED BY:

DRAWING TITLE:
**BEAM PLAN FOR GROUND FLOOR
LEVEL**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: 1:200
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-301



BEAM PLAN
FIRST FLOOR LEVEL
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR,
CONCRETE GRADE & DEVELOPMENT LENGTH

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:
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MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

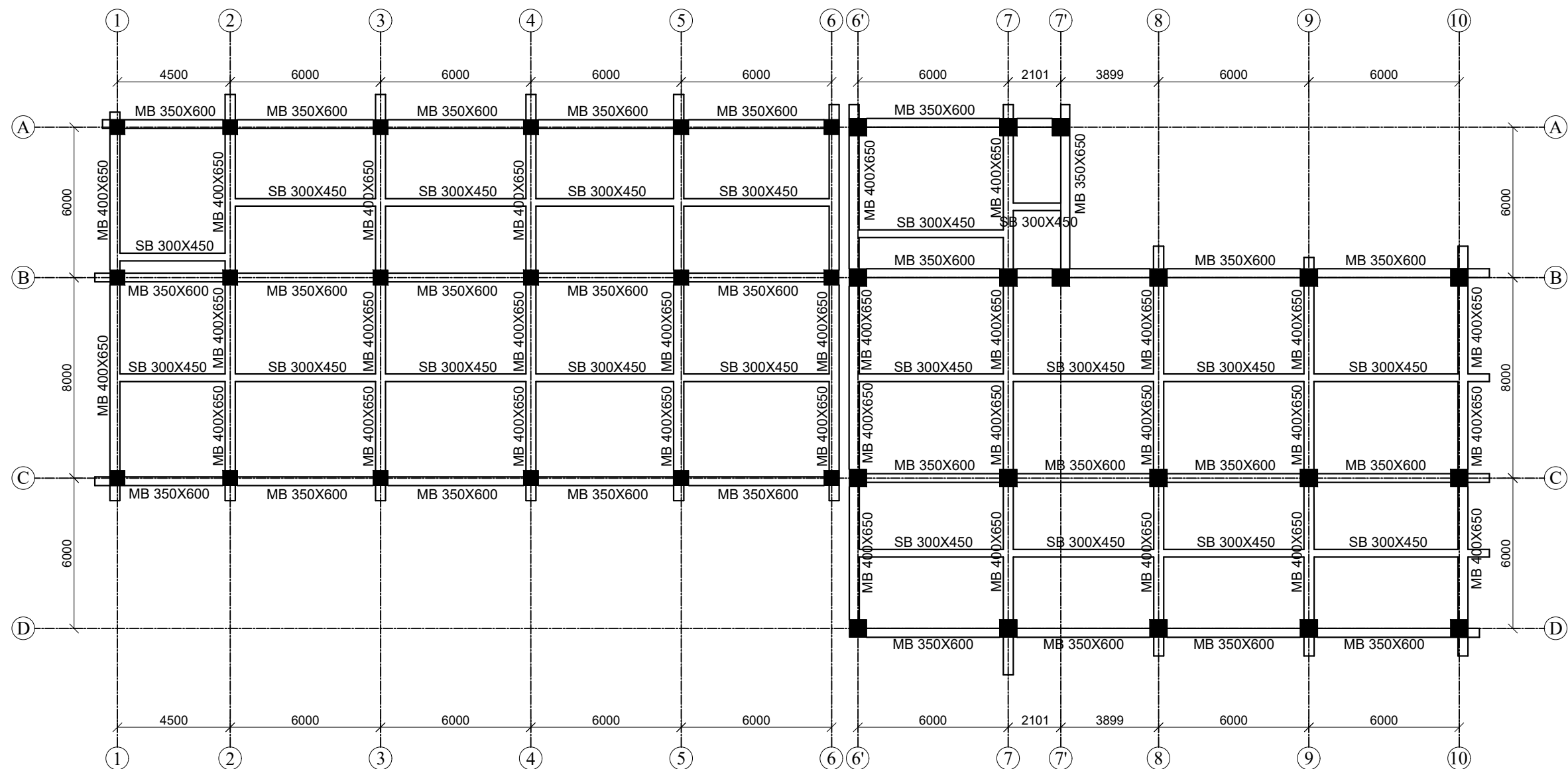
REVIEWED BY:

DRAWING TITLE:
**BEAM PLAN FOR FIRST FLOOR
LEVEL**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: 1:200
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-302



BEAM PLAN
SECOND FLOOR LEVEL
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR,
CONCRETE GRADE & DEVELOPMENT LENGTH

NOTE:
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DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:
**MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD**
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
DETAIL ARCHITECTURAL AND ENGINEERING DESIGN
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AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

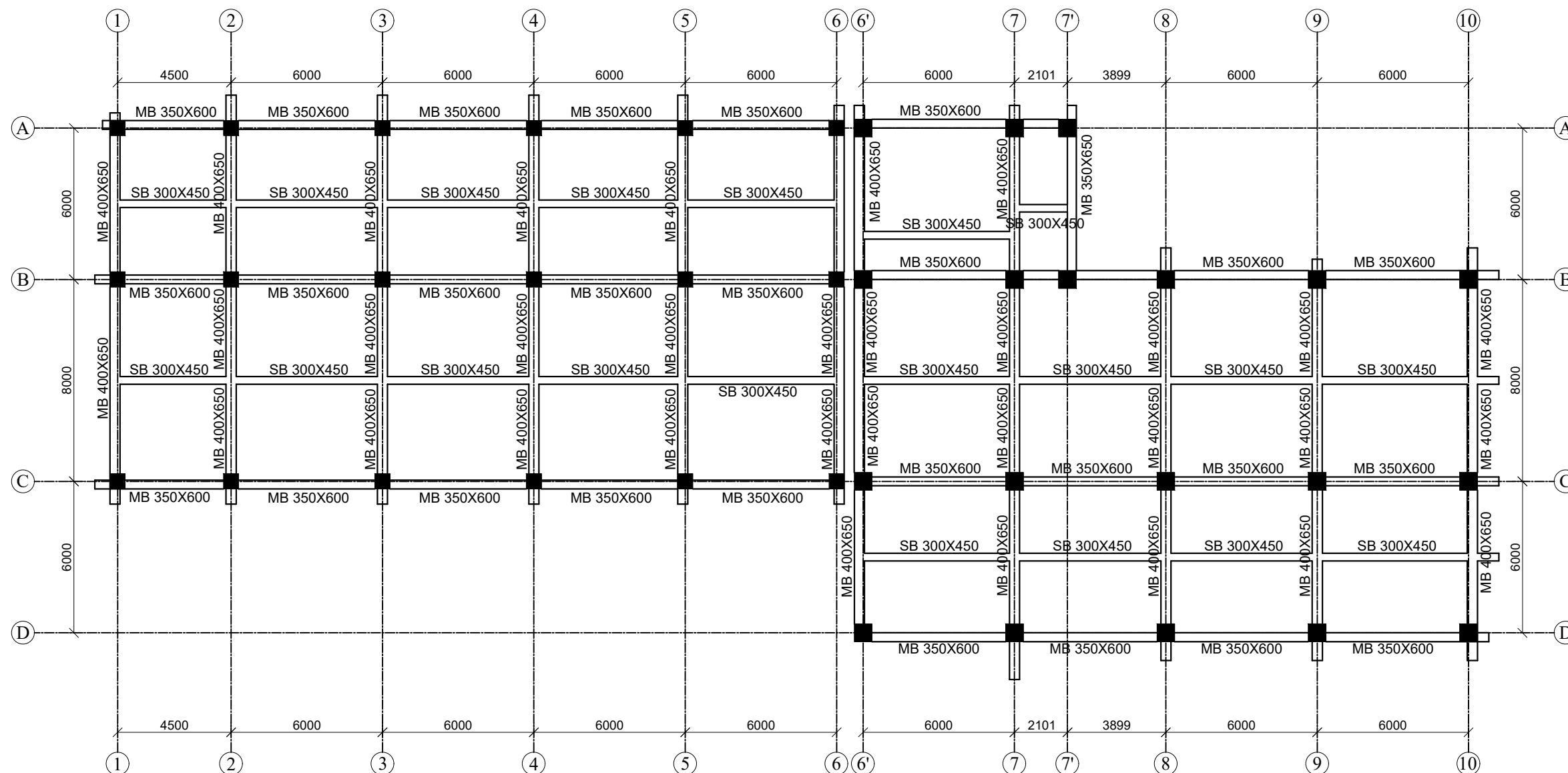
REVIEWED BY:

DRAWING TITLE:
**BEAM PLAN FOR SECOND FLOOR
LEVEL**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	1:200
DATE:	FEB. , 2022
REVISION NO.:	N/A

SHEET NO.
S-303



BEAM PLAN
TOP FLOOR LEVEL
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR,
CONCRETE GRADE & DEVELOPMENT LENGTH

NOTE:
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DRAWINGS SHALL NOT BE MEASURED.
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CLIENT:
**MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD**
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

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CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

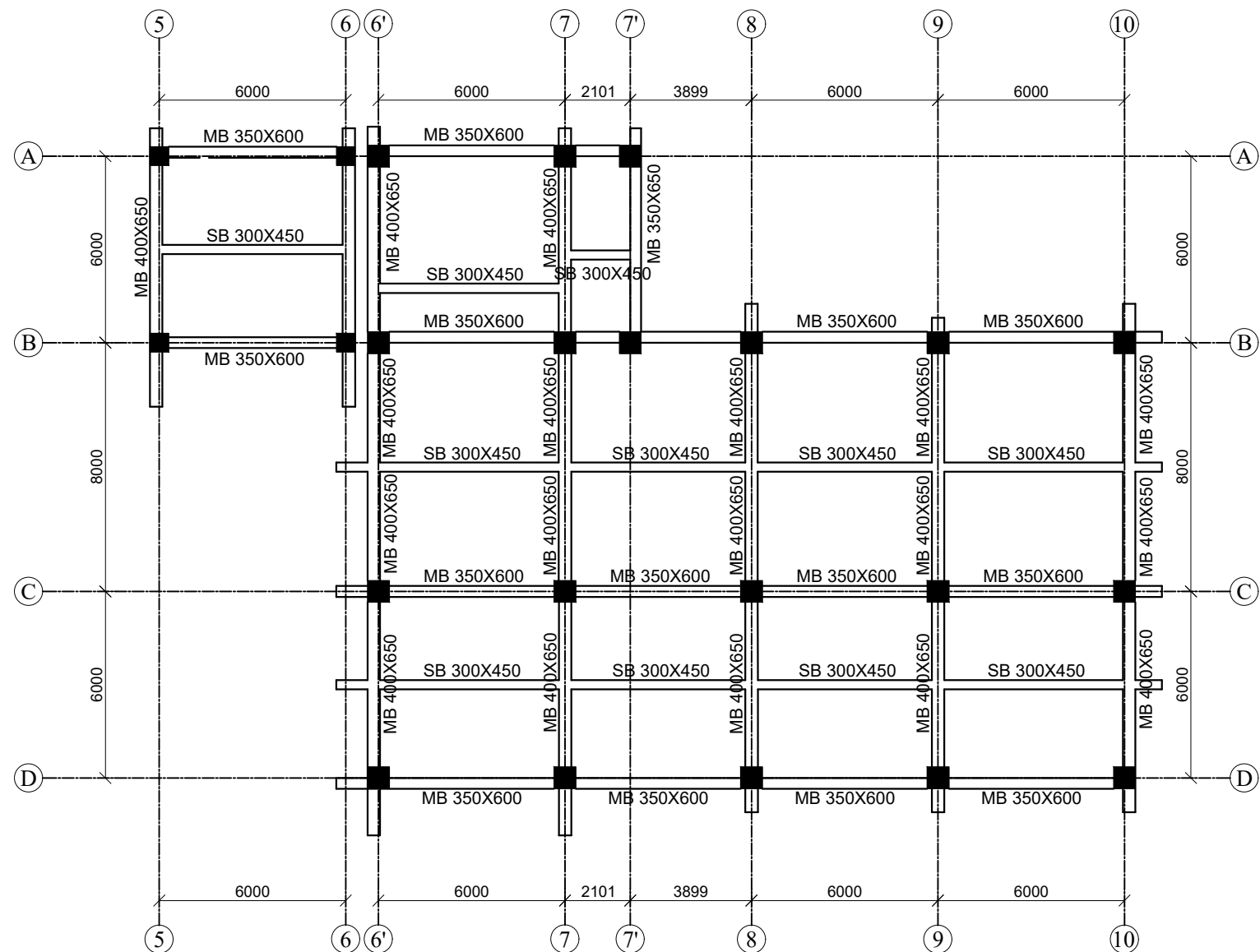
DRAWING TITLE:
**BEAM PLAN FOR THIRD FLOOR
LEVEL**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: 1:200
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.

S-304



BEAM PLAN
ROOF FLOOR LEVEL
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR,
CONCRETE GRADE & DEVELOPMENT LENGTH

NOTE:
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DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
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CLIENT:
**MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD**
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

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CHITLAG, THAHA MUNICIPALITY WARD NO.9,
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

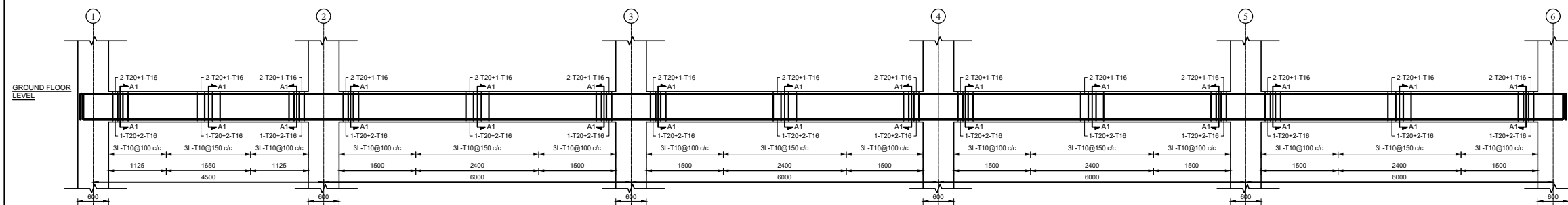
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DRAWING TITLE:
**BEAM PLAN FOR TOP FLOOR
LEVEL**

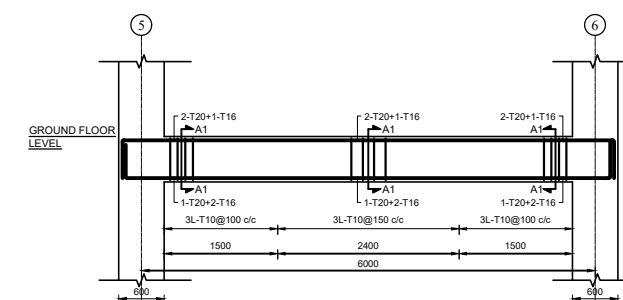
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NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	1:200
DATE:	FEB. , 2022
REVISION NO.:	N/A

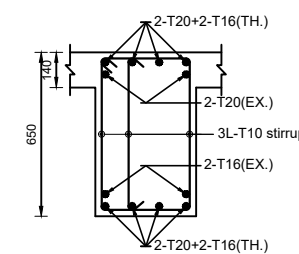
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S-305



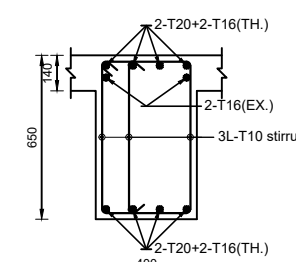
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID C-C
SCALE=1:50



LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID D-D
SCALE=1:50



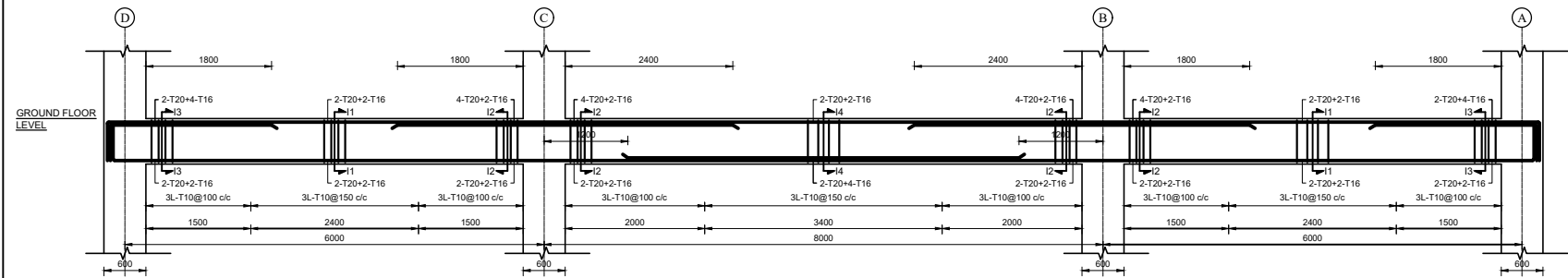
SECTION AT I4
SCALE=1:20



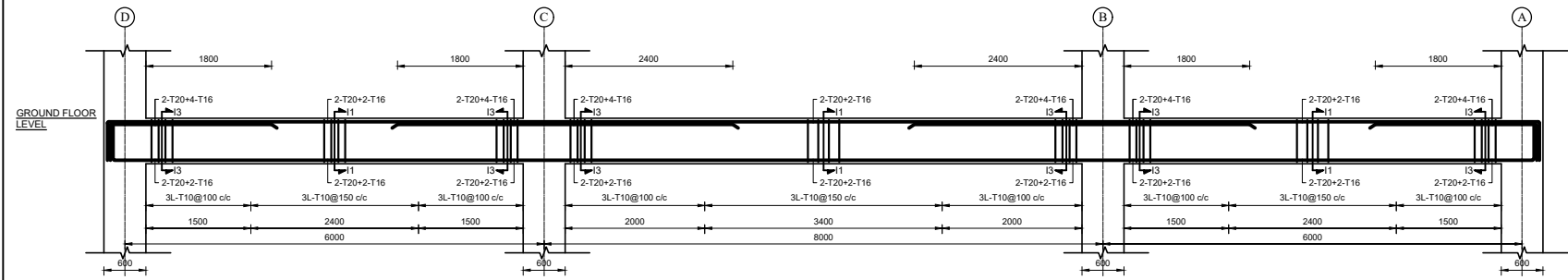
SECTION AT I3
SCALE=1:20

1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

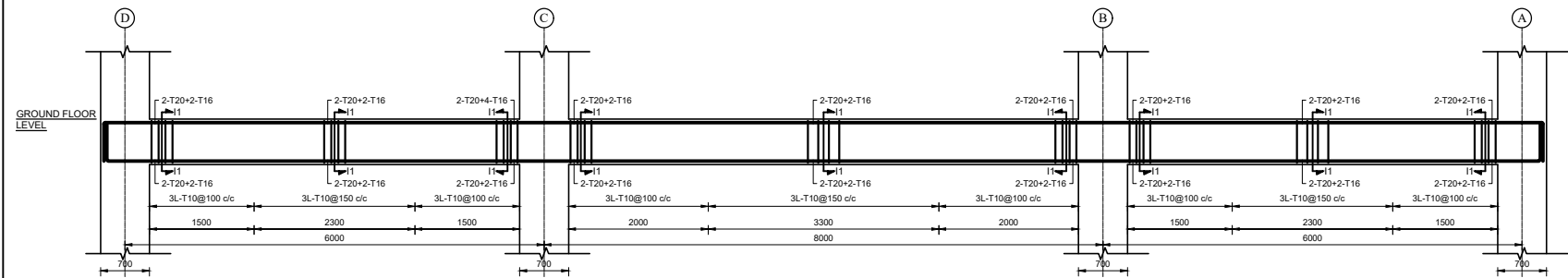
S-351



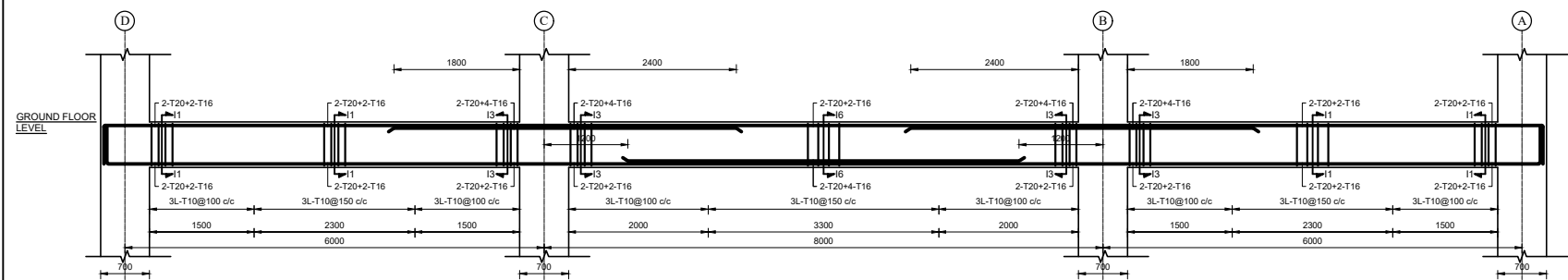
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 5-5
SCALE=1:50



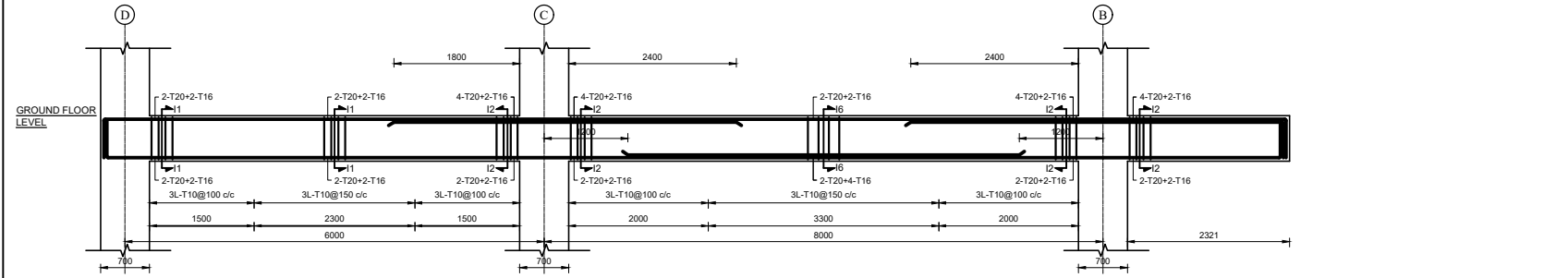
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 6-6
SCALE=1:50



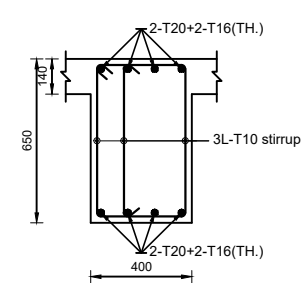
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 6'-6'
SCALE=1:50



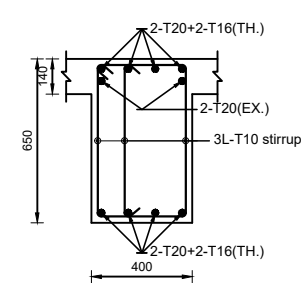
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7-7
SCALE=1:50



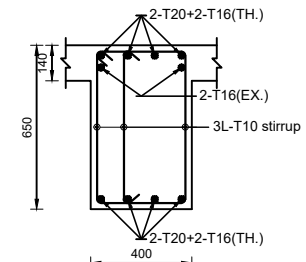
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 8-8
SCALE=1:50



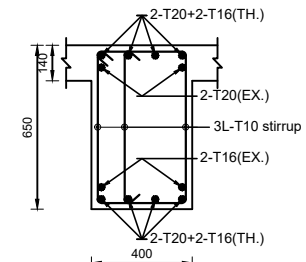
SECTION AT I1
SCALE=1:20



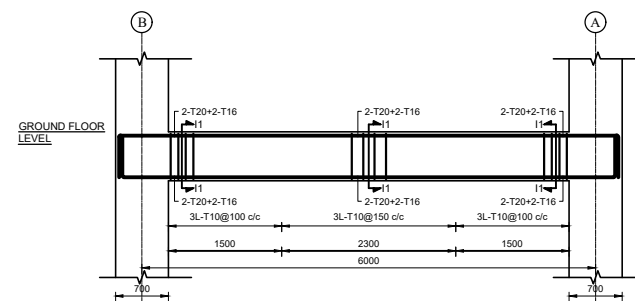
SECTION AT I2
SCALE=1:20



SECTION AT I3
SCALE=1:20



SECTION AT I4
SCALE=1:20



LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7'-7'
SCALE=1:50

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
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CLIENT:
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MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

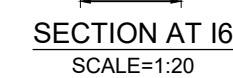
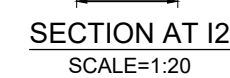
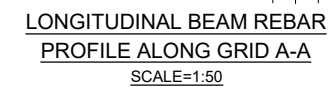
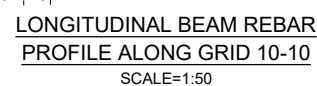
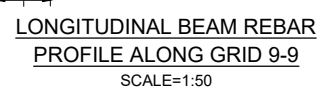
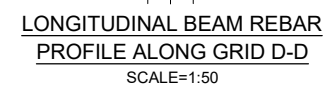
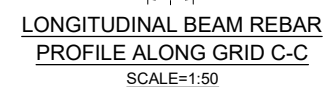
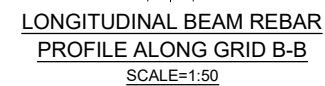
REVIEWED BY:

DRAWING TITLE:
LONGITUDINAL BEAM PROFILE
FOR GROUND FLOOR LEVEL
& SECTIONS

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

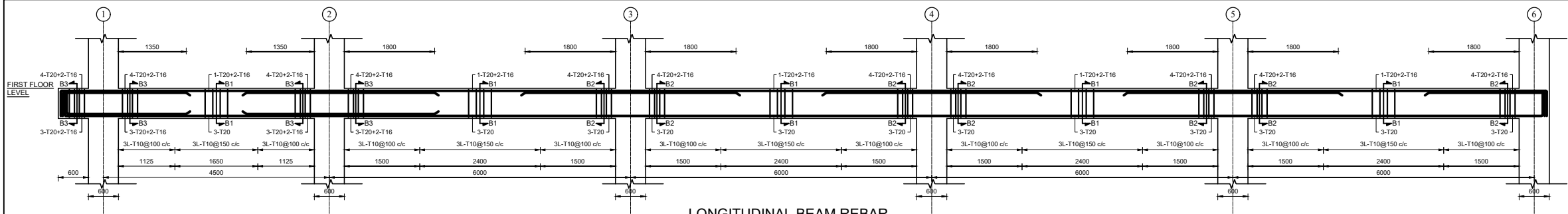
PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB., 2022
REVISION NO.: N/A

SHEET NO.
S-352

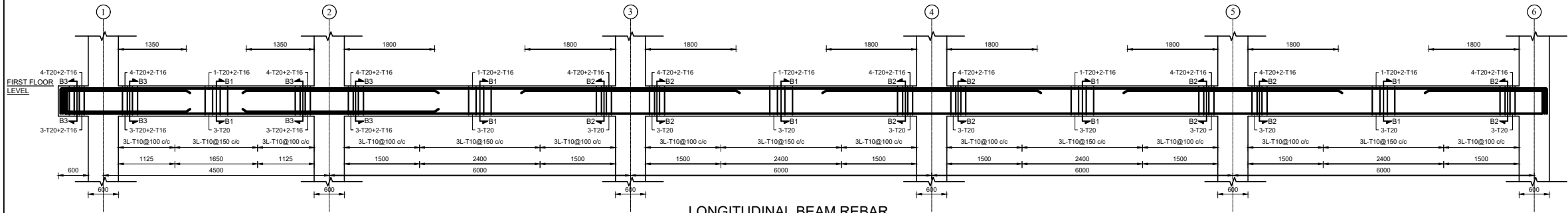


1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

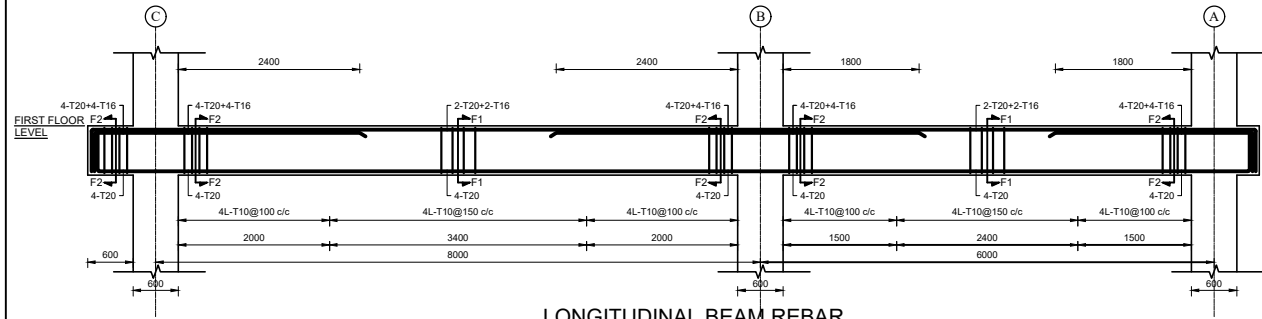
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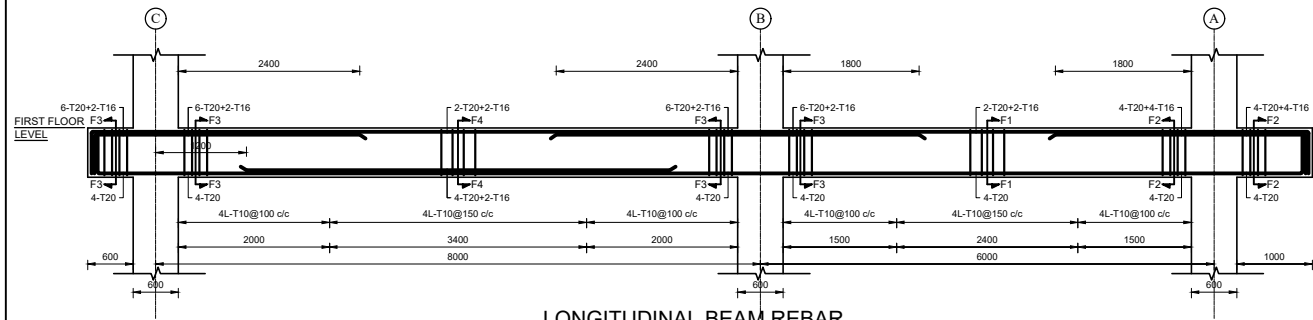
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID A-A/B-B
SCALE=1:50



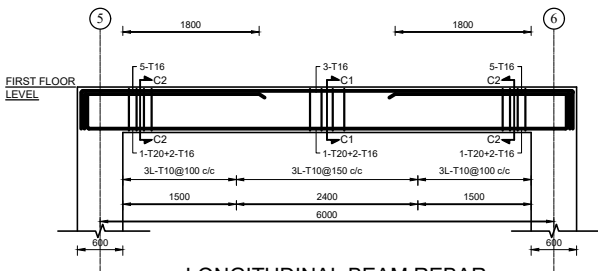
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PROFILE ALONG GRID C-C
SCALE=1:50



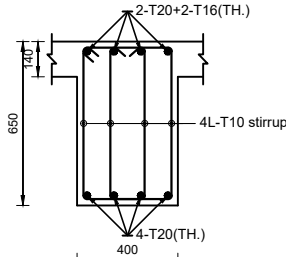
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 1-1
SCALE=1:50



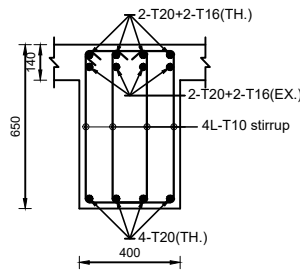
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 2-2/3-3/4-4
SCALE=1:50



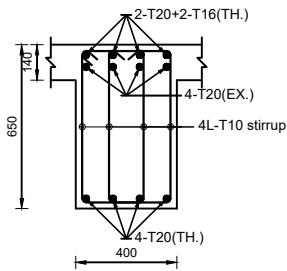
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PROFILE ALONG GRID D-D
SCALE=1:50



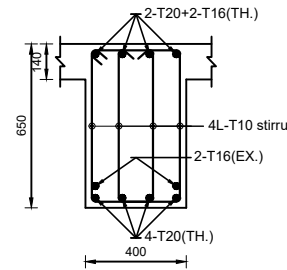
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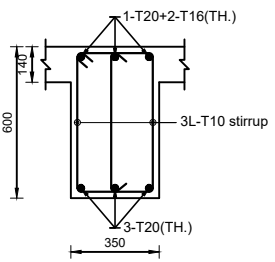
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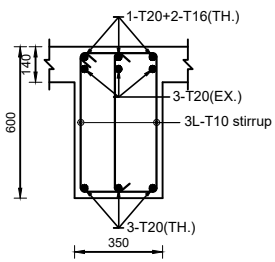
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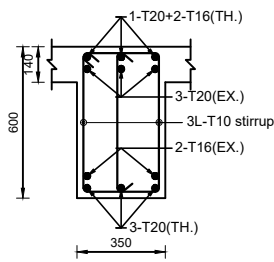
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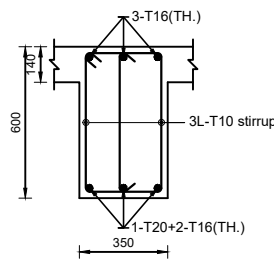
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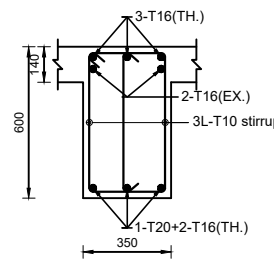
SECTION AT B2
SCALE=1:20



SECTION AT B3
SCALE=1:20



SECTION AT C1
SCALE=1:20



SECTION AT C2
SCALE=1:20

- NOTE:**
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
 3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
 4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:
**MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD**
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
DETAIL ARCHITECTURAL AND ENGINEERING DESIGN
WORK OF GRADUATE PROGRAM BUILDINGS III & IV
AND EXTERNAL INFRASTRUCTURE PLANNING
INCLUDING LANDSCAPING WORKS
AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

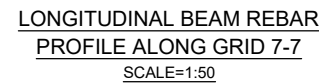
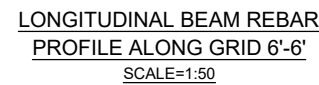
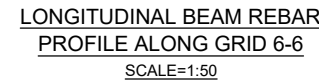
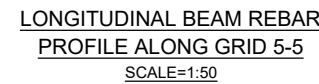
REVIEWED BY:

DRAWING TITLE:
**LONGITUDINAL BEAM PROFILE
FOR FIRST FLOOR LEVEL
& SECTIONS**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	AS SHOWN
DATE:	FEB. , 2022
REVISION NO.:	N/A

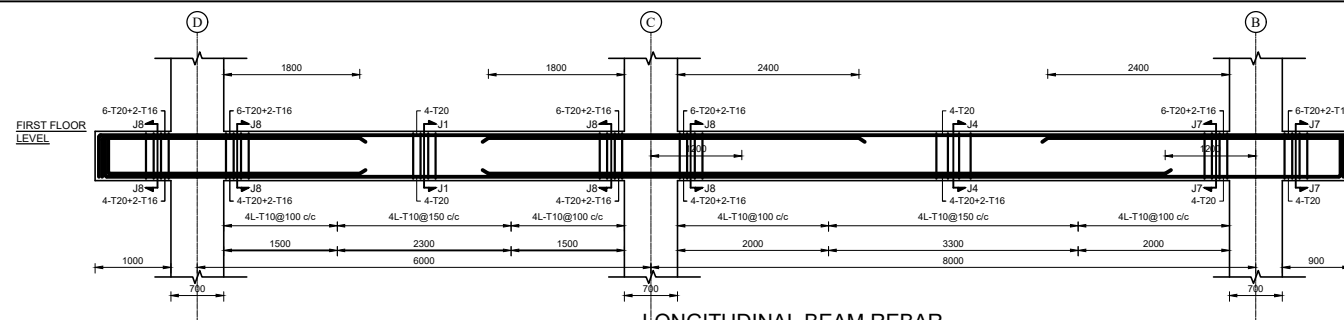
SHEET NO.
S-354



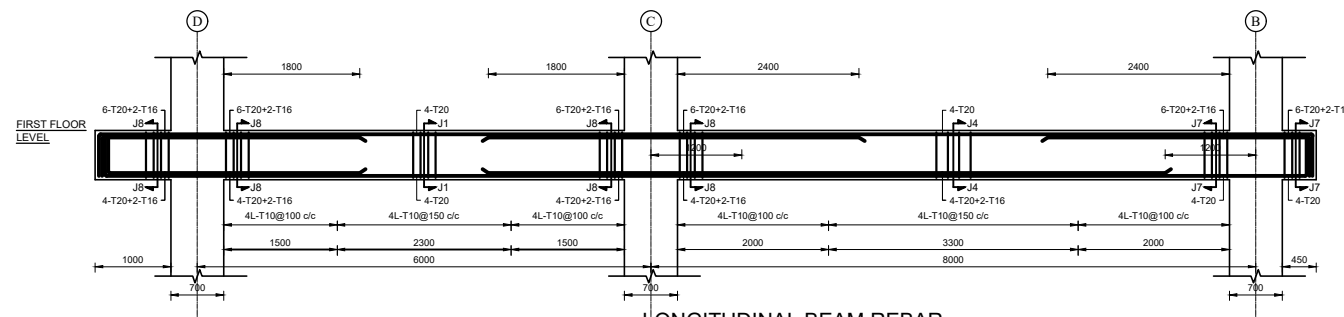
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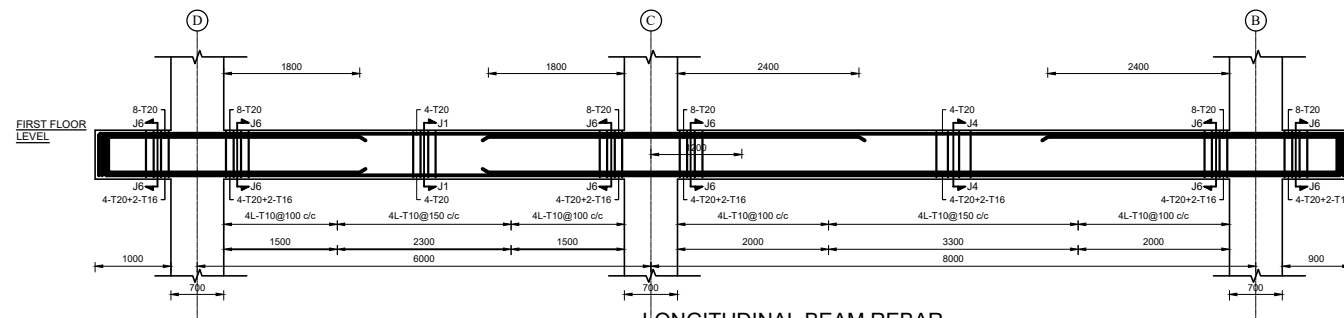
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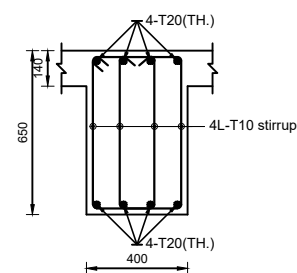
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 8-8
SCALE=1:50



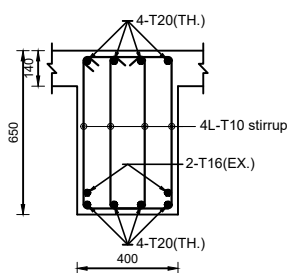
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PROFILE ALONG GRID 9-9
SCALE=1:50



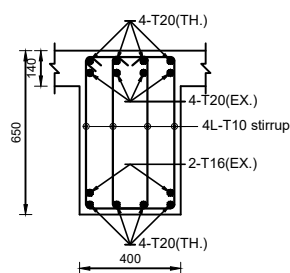
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PROFILE ALONG GRID 10-10
SCALE=1:50



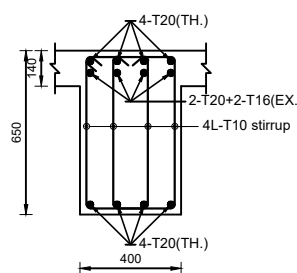
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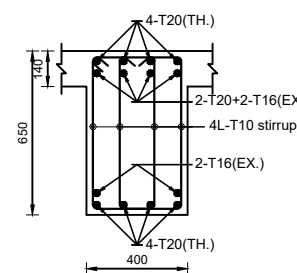
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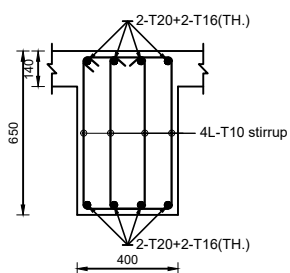
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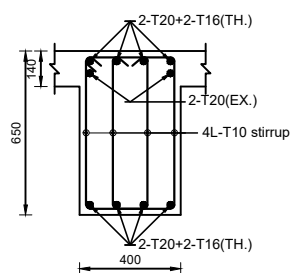
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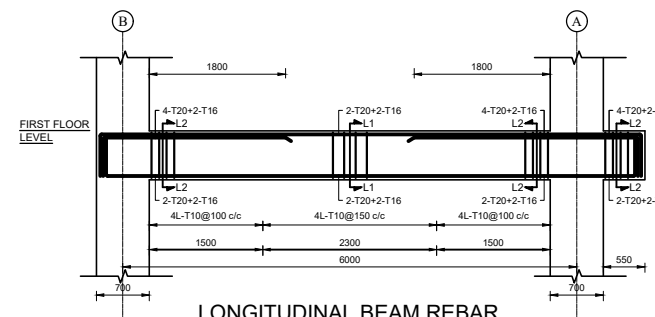
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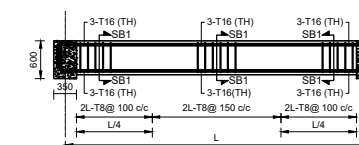
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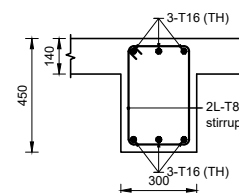
SECTION AT L2
SCALE=1:20



LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7'-7'
SCALE=1:50



TYPICAL LONGITUDINAL
SECONDARY BEAM PROFILE
SCALE=1:50



SECTION DETAILS OF SB1
AT EDGE & MIDDLE
SCALE=1:20

NOTE:

1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
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4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

NOTE:
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CLIENT:

MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
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AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR FIRST FLOOR LEVEL &
SECTIONS, TYPICAL SECONDARY
BEAM PROFILE & SECTION

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

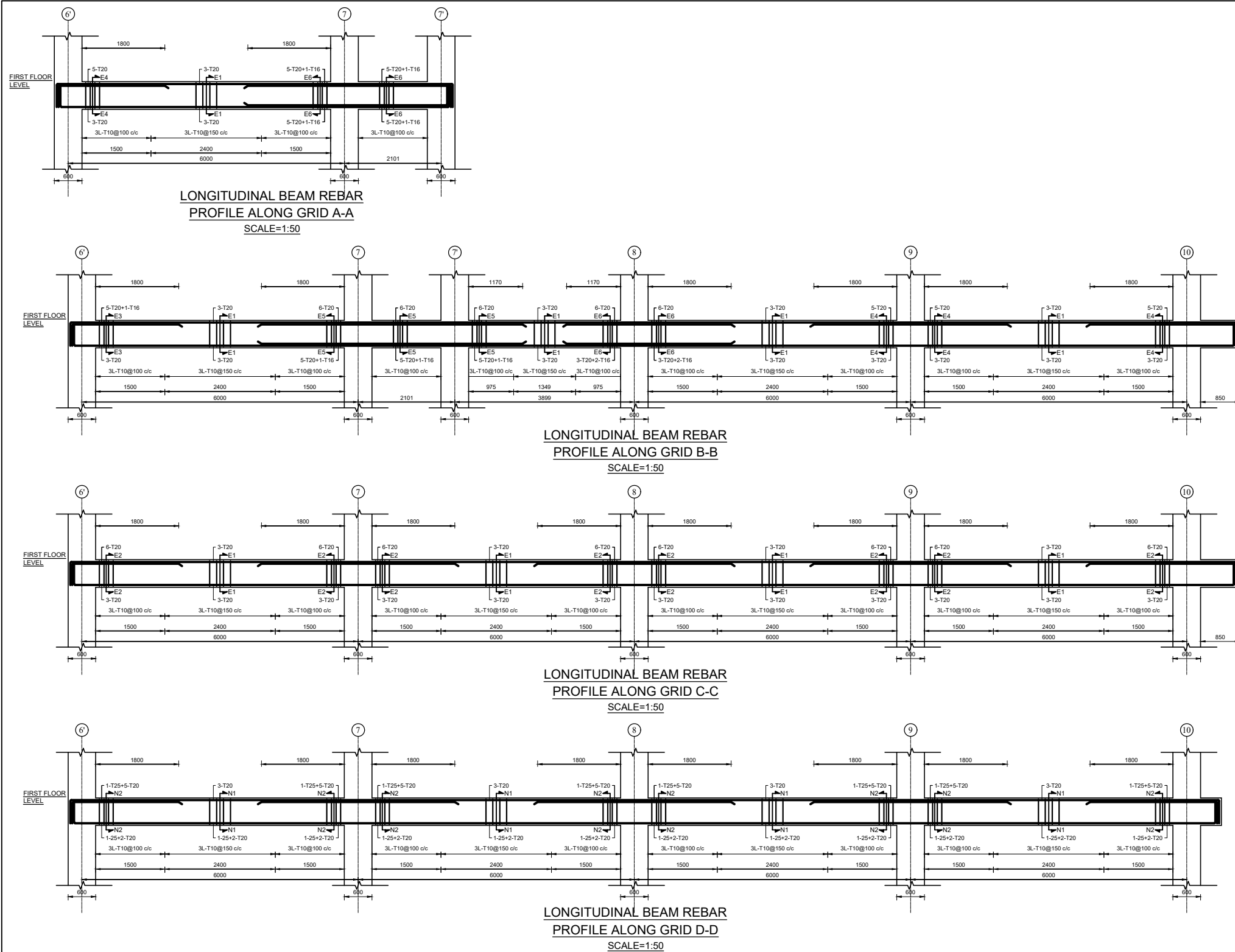
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DATE: FEB. , 2022

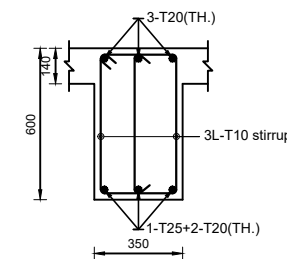
REVISION NO.: N/A

SHEET NO.

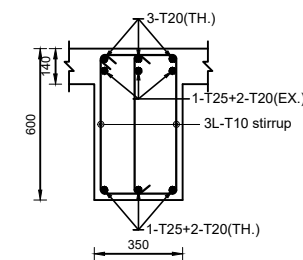
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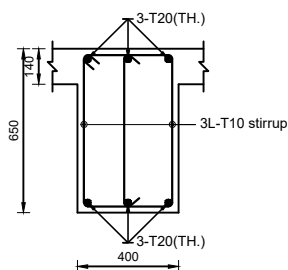
- NOTE:**
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
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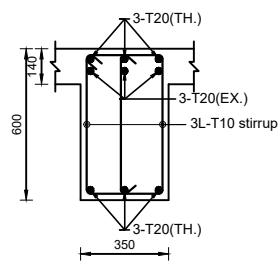
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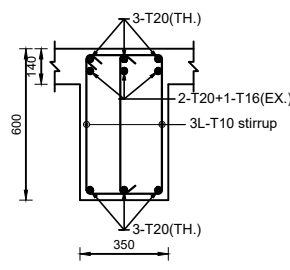
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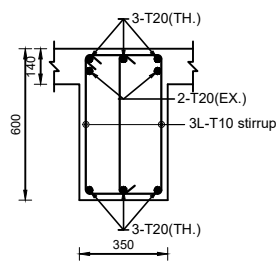
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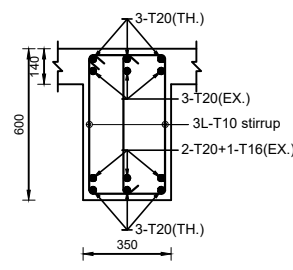
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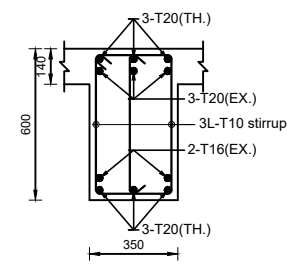
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SECTION AT E4
SCALE=1:20



SECTION AT E5
SCALE=1:20



SECTION AT E6
SCALE=1:20

NOTE:
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GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

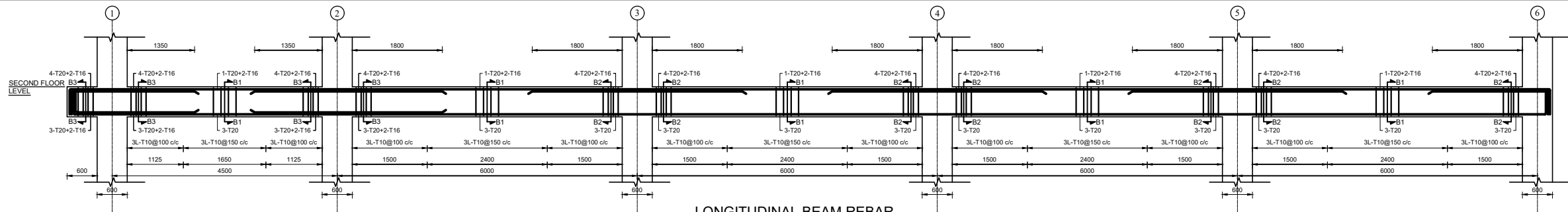
DRAWING TITLE:
LONGITUDINAL BEAM PROFILE FOR FIRST FLOOR LEVEL & SECTIONS

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

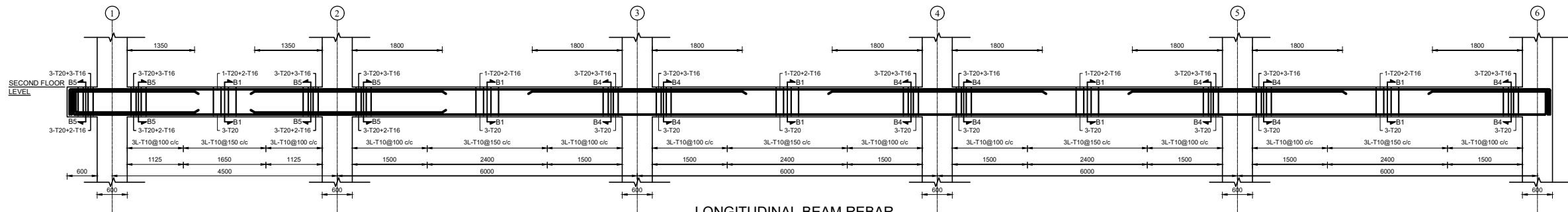
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SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.

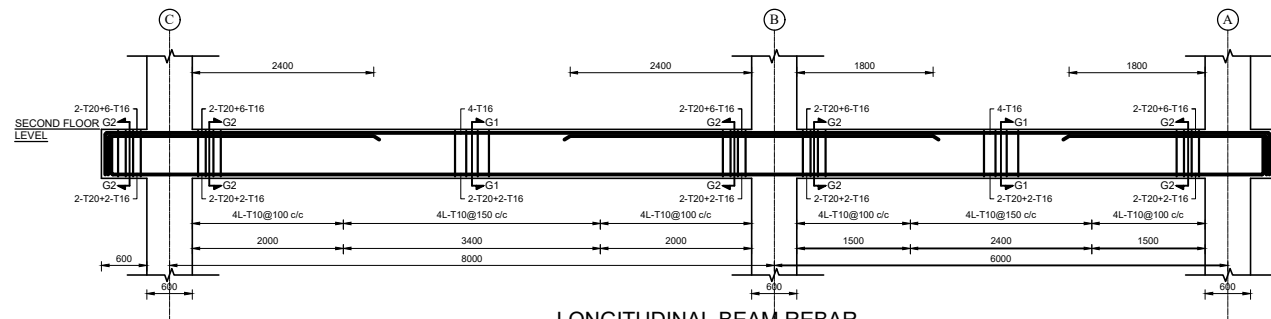
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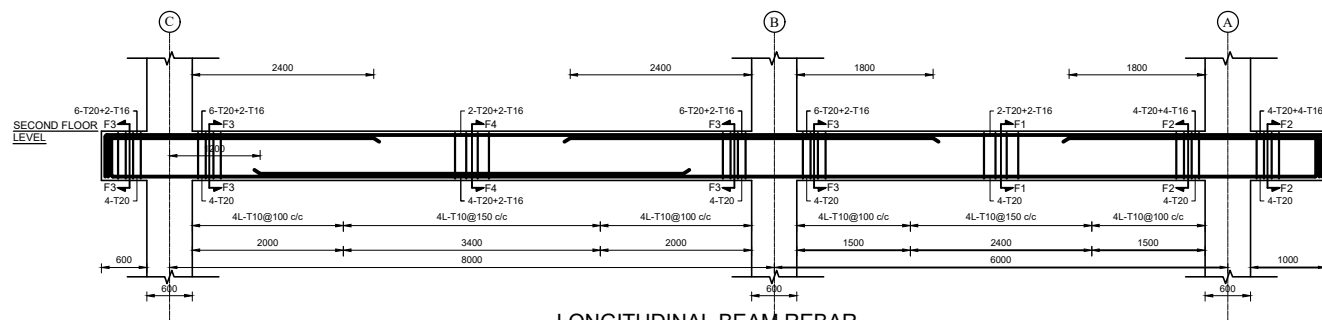
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID A-A/B-B
SCALE=1:50



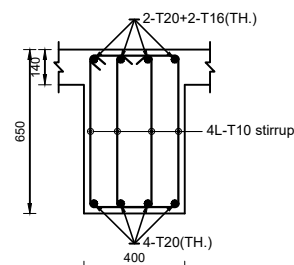
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID C-C
SCALE=1:50



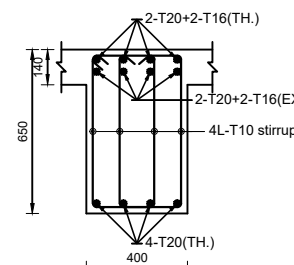
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 1-1
SCALE=1:50



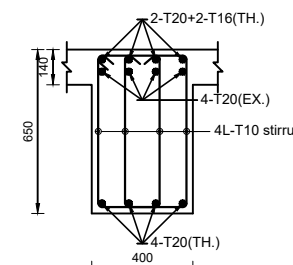
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 2-2/3-3/4-4
SCALE=1:50



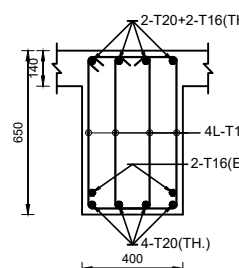
SECTION AT F1
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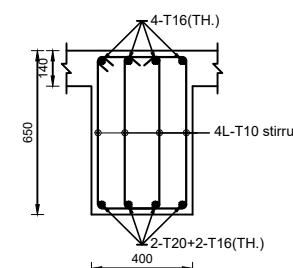
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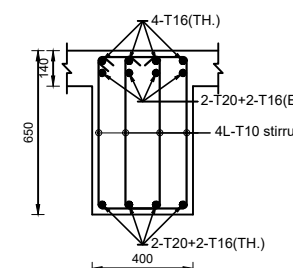
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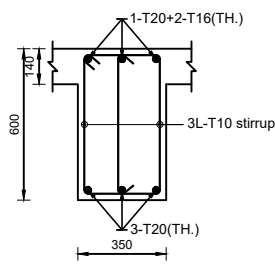
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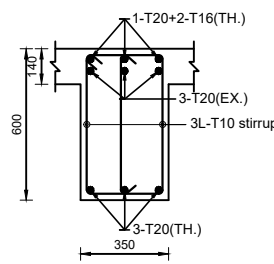
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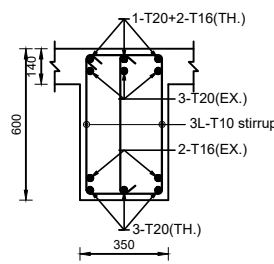
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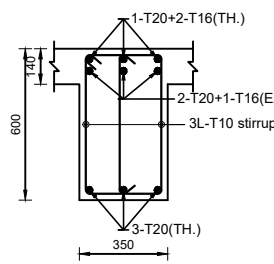
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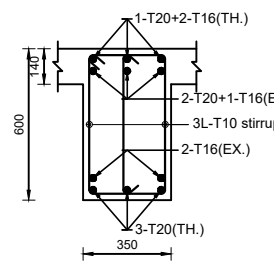
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SECTION AT B3
SCALE=1:20



SECTION AT B4
SCALE=1:20



SECTION AT B5
SCALE=1:20

NOTE:

1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

NOTE:
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CLIENT:

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DEVELOPMENT BOARD**
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

**LONGITUDINAL BEAM PROFILE
FOR SECOND FLOOR LEVEL
& SECTIONS**

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

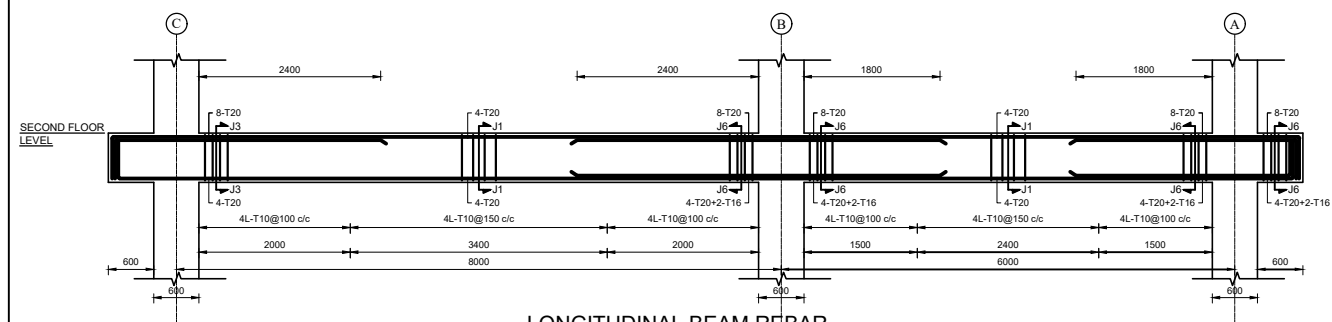
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DATE: FEB. , 2022

REVISION NO.: N/A

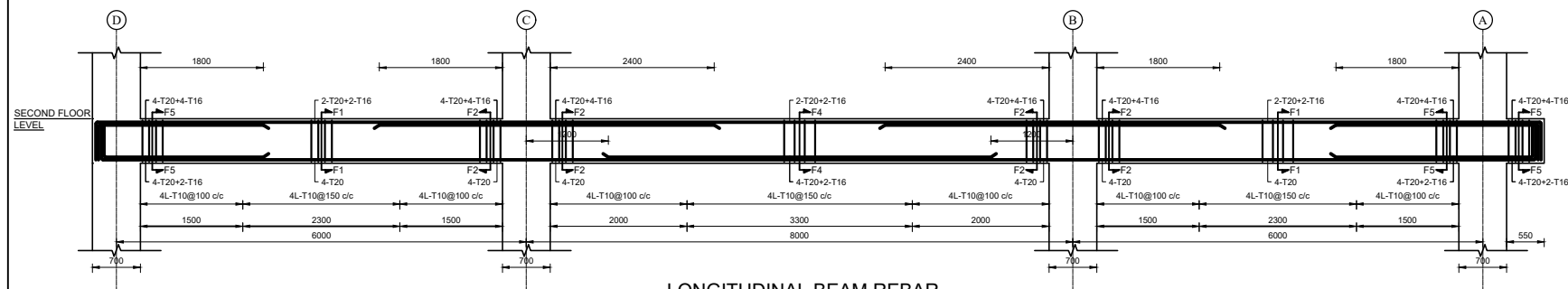
SHEET NO.

S-358

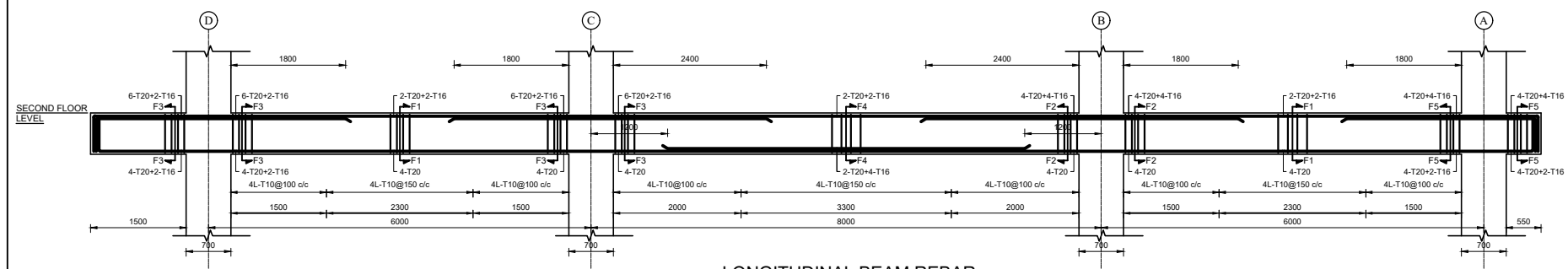


LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 5-5
SCALE=1:50

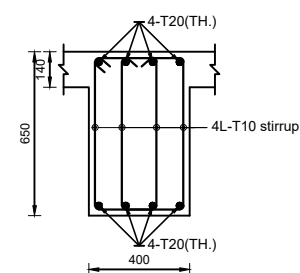
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PROFILE ALONG GRID 6-6
SCALE=1:50



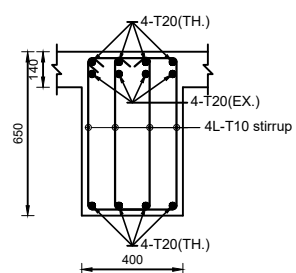
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 6'-6'
SCALE=1:50



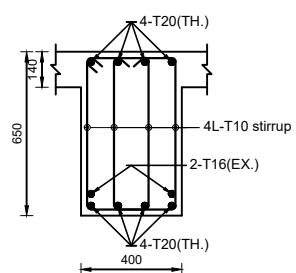
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7-7
SCALE=1:50



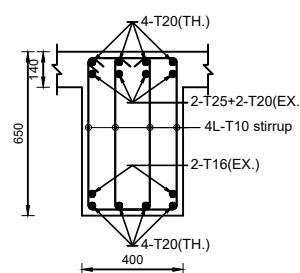
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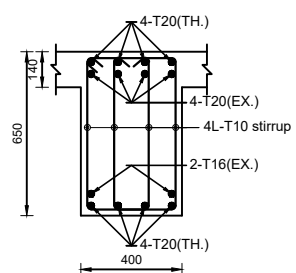
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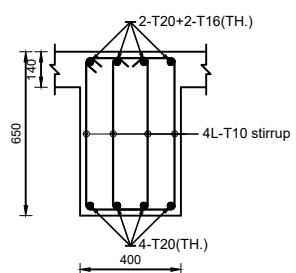
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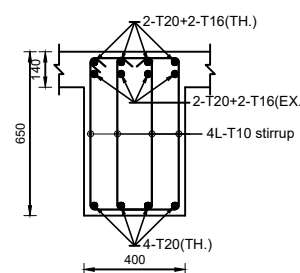
SECTION AT J5
SCALE=1:20



SECTION AT J6
SCALE=1:20

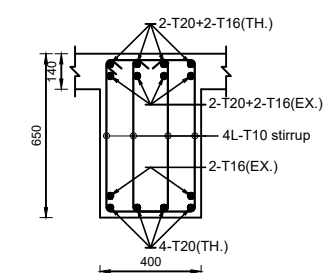


SECTION AT F1
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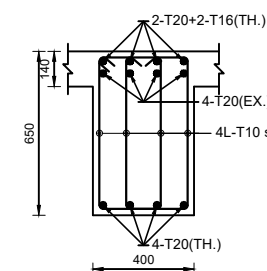


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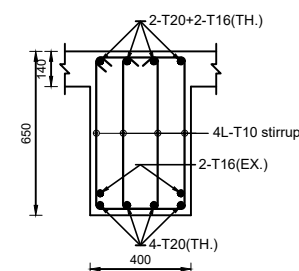
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
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4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103



SECTION AT F5
SCALE=1:20

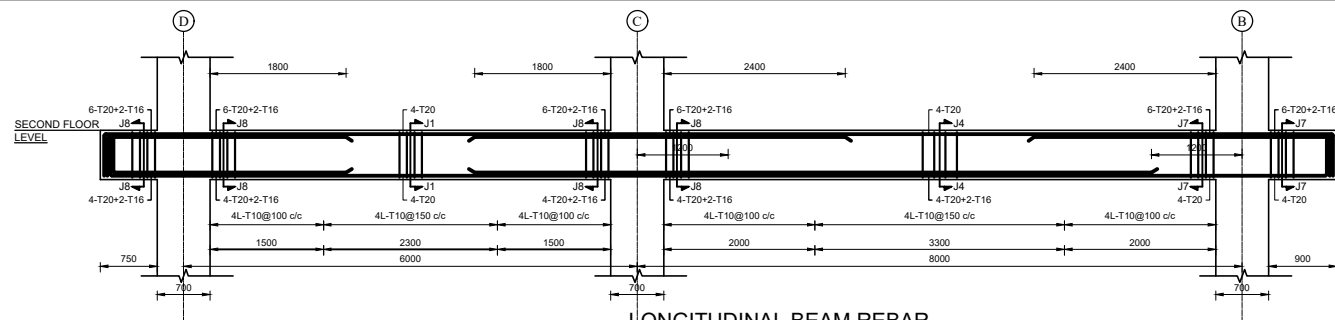


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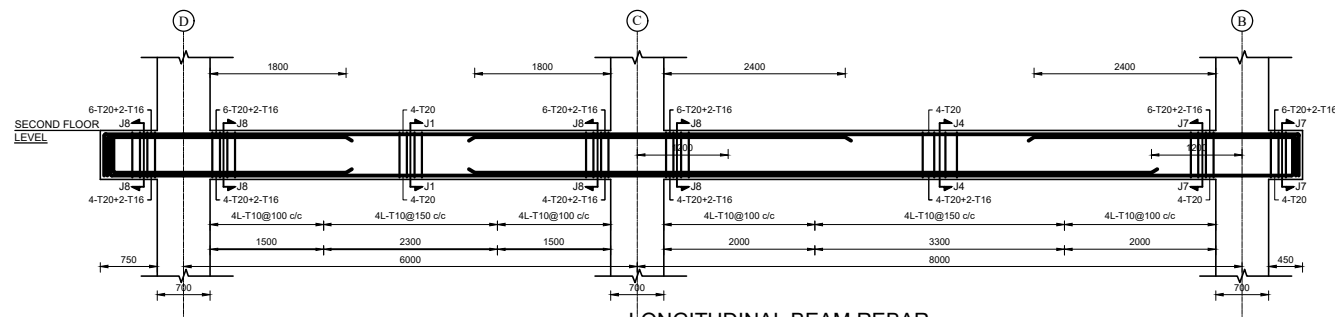


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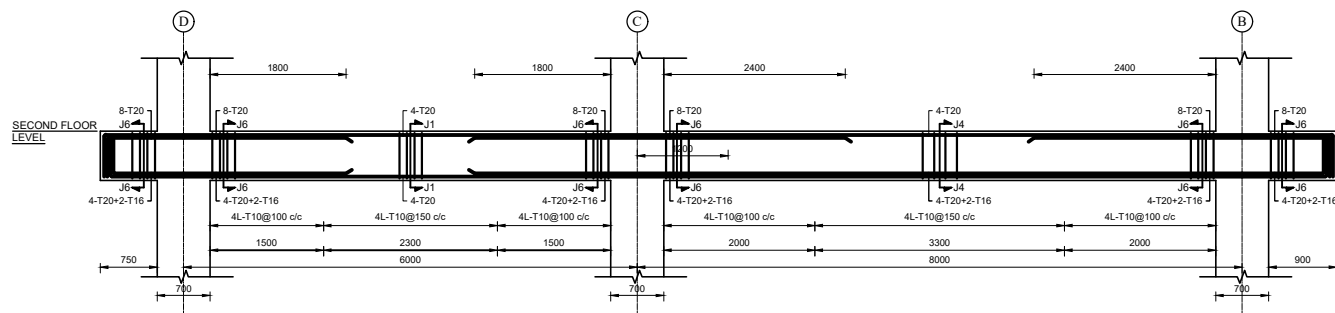
SHEET NO.



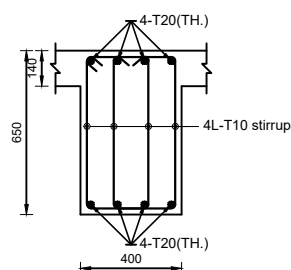
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PROFILE ALONG GRID 8-8
SCALE=1:50



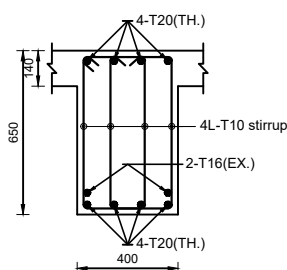
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PROFILE ALONG GRID 9-9
SCALE=1:50



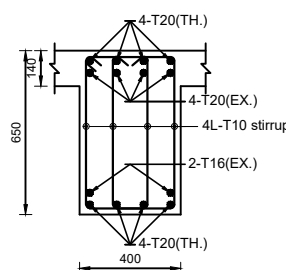
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 10-10
SCALE=1:50



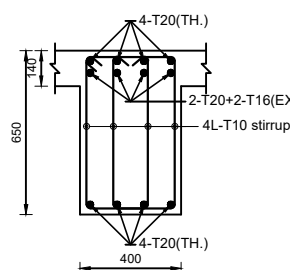
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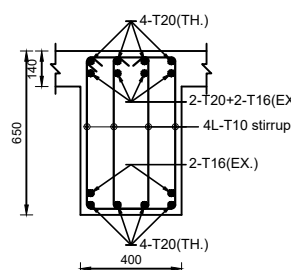
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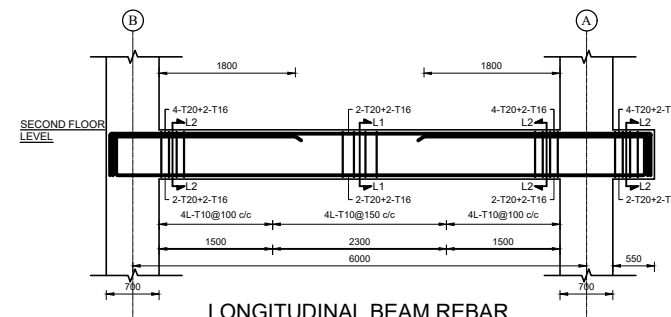
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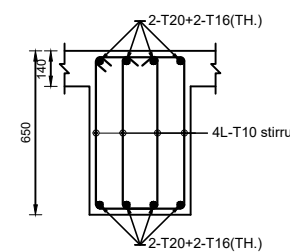
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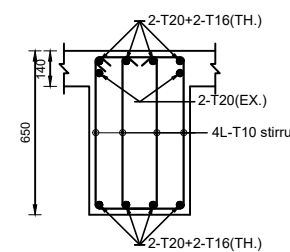
SECTION AT J8
SCALE=1:20



LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7'-7'
SCALE=1:50



SECTION AT L1
SCALE=1:20



SECTION AT L2
SCALE=1:20

- NOTE:**
- REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 - REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
 - REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
 - REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR SECOND FLOOR LEVEL
& SECTIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

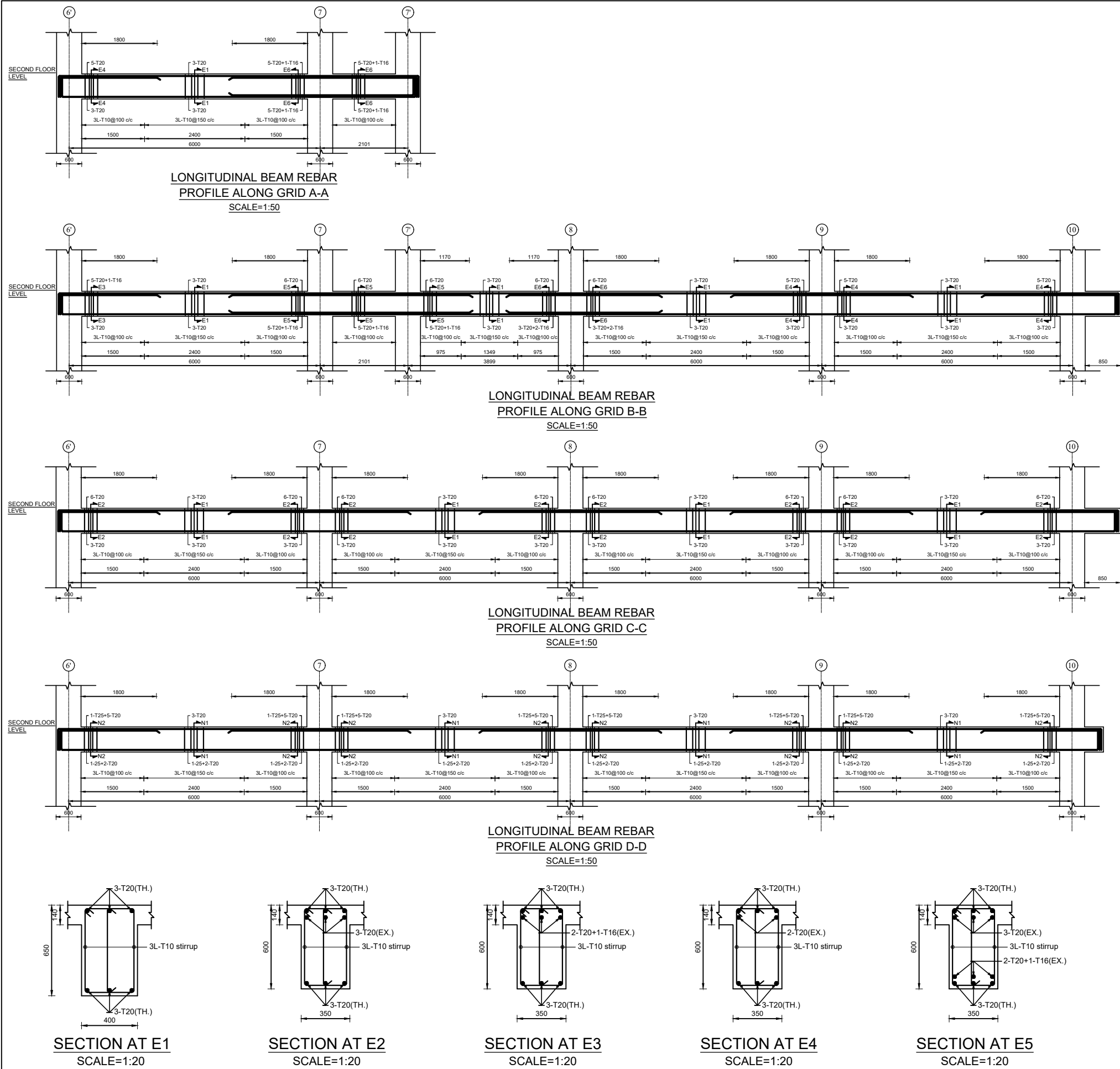
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DATE: FEB. , 2022

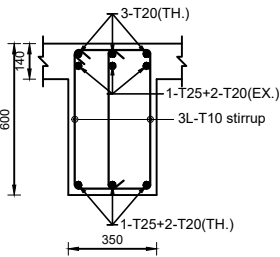
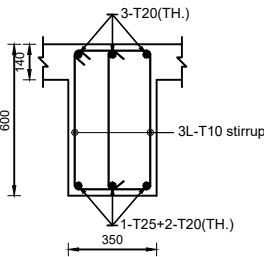
REVISION NO.: N/A

SHEET NO.

S-360



- NOTE:**
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
 3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
 4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103



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STRUCTURAL ENGINEER:
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(NEC: 6948 "Civil" "A")

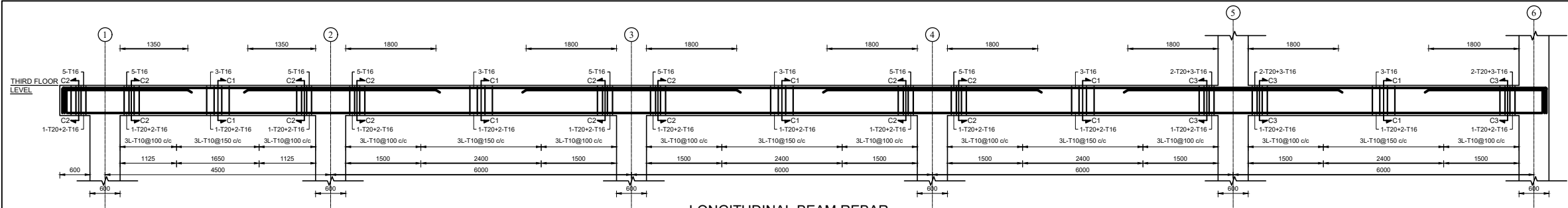
REVIEWED BY:

DRAWING TITLE:
LONGITUDINAL BEAM PROFILE FOR SECOND FLOOR LEVEL & SECTIONS

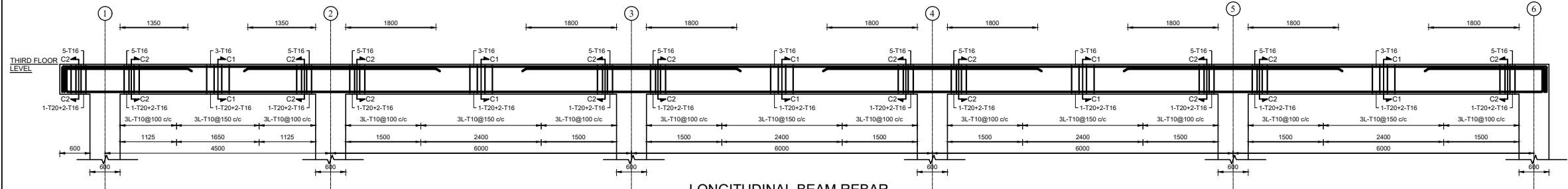
REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

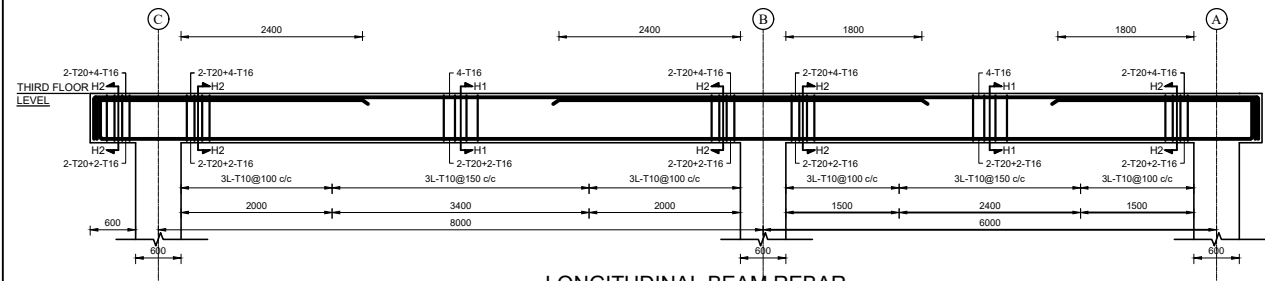
SHEET NO.
S-361



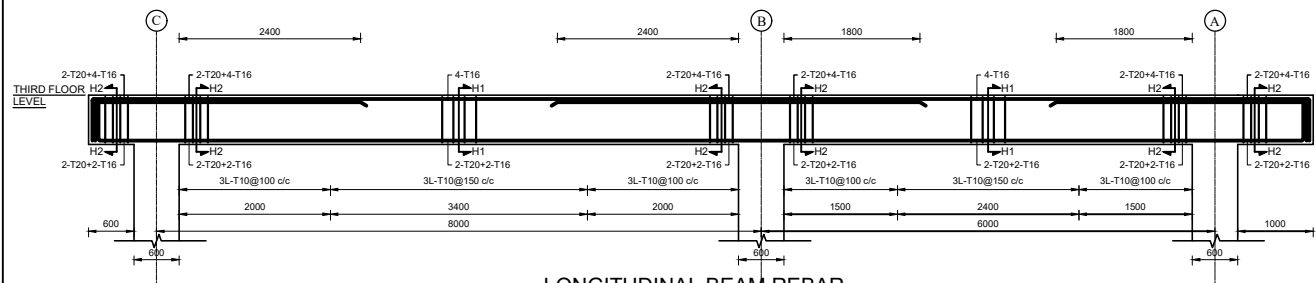
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID A-A/B-B
SCALE=1:50



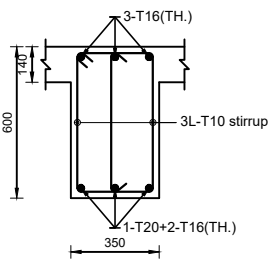
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID C-C
SCALE=1:50



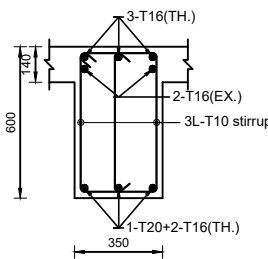
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 1-1
SCALE=1:50



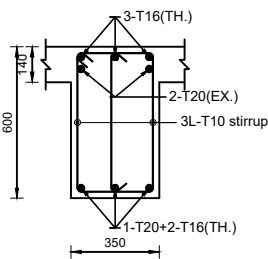
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 2-2/3-3/4-4
SCALE=1:50



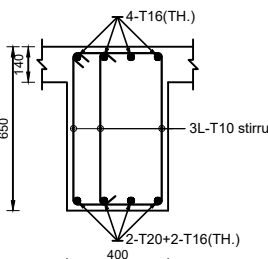
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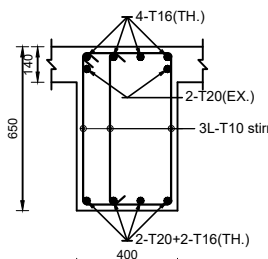
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SECTION AT C3
SCALE=1:20



SECTION AT H1
SCALE=1:20



SECTION AT H2
SCALE=1:20

- NOTE:**
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
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STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

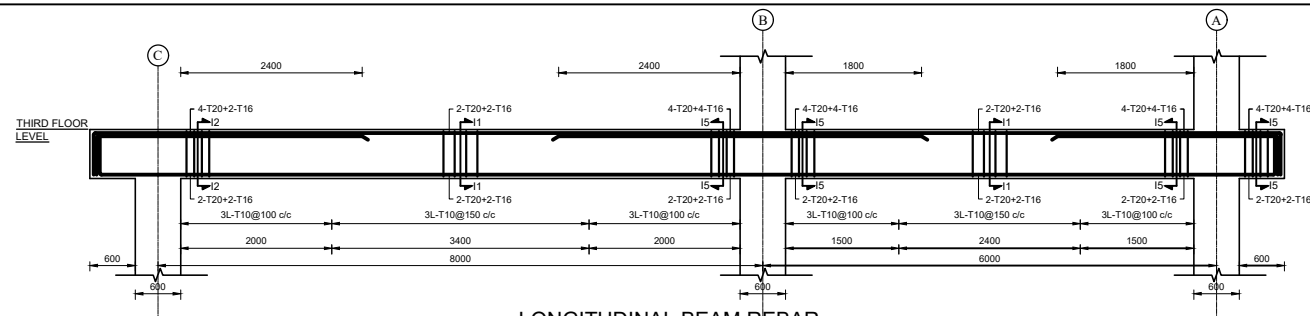
REVIEWED BY:

DRAWING TITLE:
**LONGITUDINAL BEAM PROFILE
FOR THIRD FLOOR LEVEL
& SECTIONS**

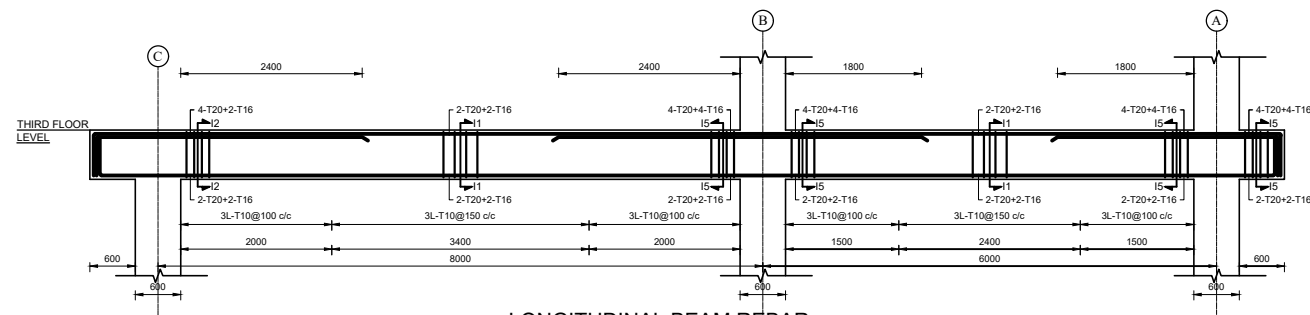
REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

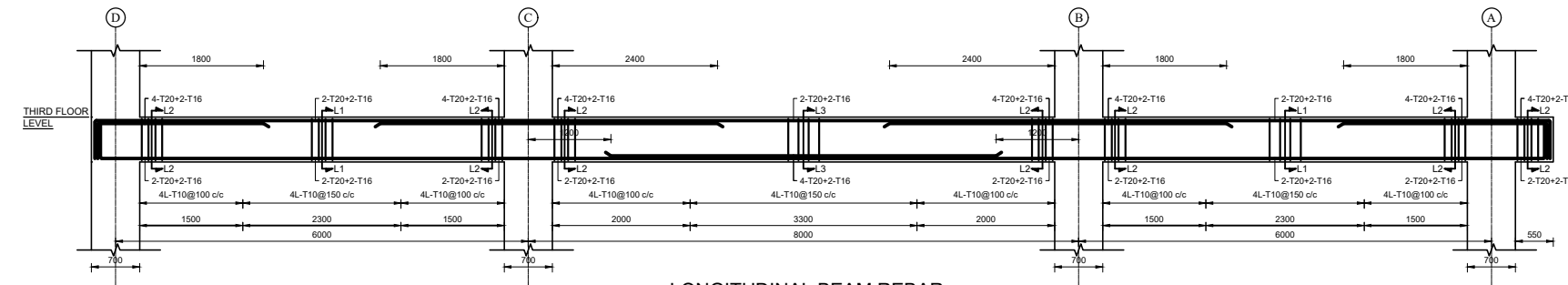
SHEET NO.
S-362



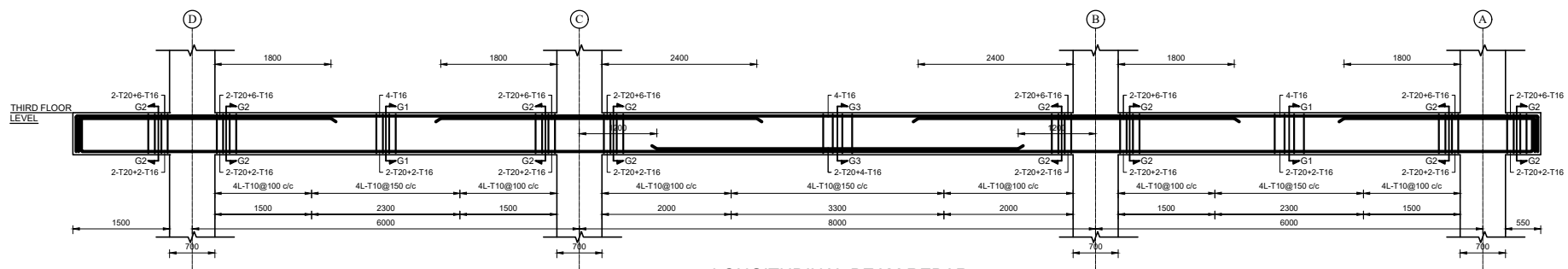
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 5-5
SCALE=1:50



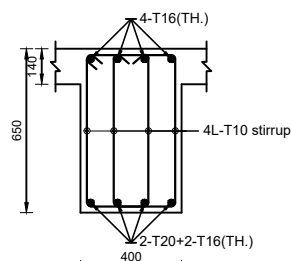
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PROFILE ALONG GRID 6-6
SCALE=1:50



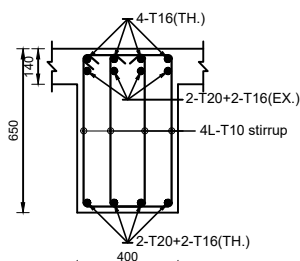
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 6'-6'
SCALE=1:50



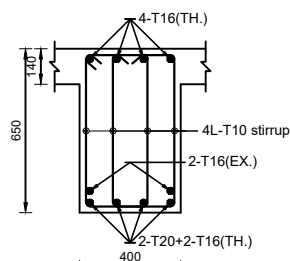
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7-7
SCALE=1:50



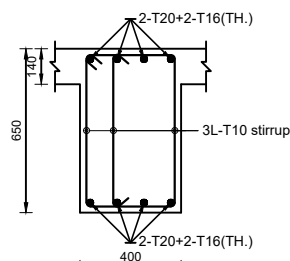
SECTION AT G1
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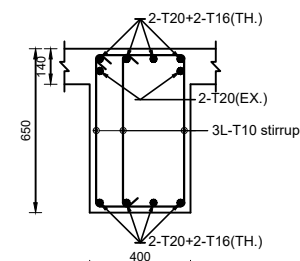
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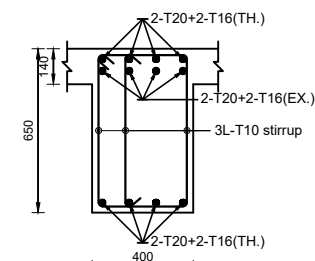
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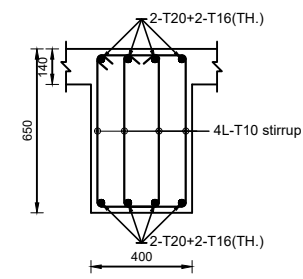
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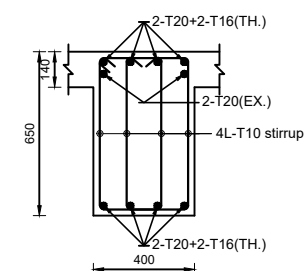
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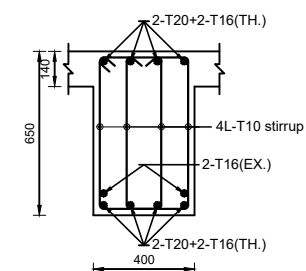
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SECTION AT L1
SCALE=1:20



SECTION AT L2
SCALE=1:20



SECTION AT L3
SCALE=1:20

NOTE:

1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
3. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102
4. REFER DETAILS 13, 14 FOR CONNECTION OF MAIN AND SECONDARY BEAM IN SHEET S-103

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:

MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
DETAIL ARCHITECTURAL AND ENGINEERING DESIGN
WORK OF GRADUATE PROGRAM BUILDINGS III & IV
AND EXTERNAL INFRASTRUCTURE PLANNING
INCLUDING LANDSCAPING WORKS
AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR THIRD FLOOR LEVEL
& SECTIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

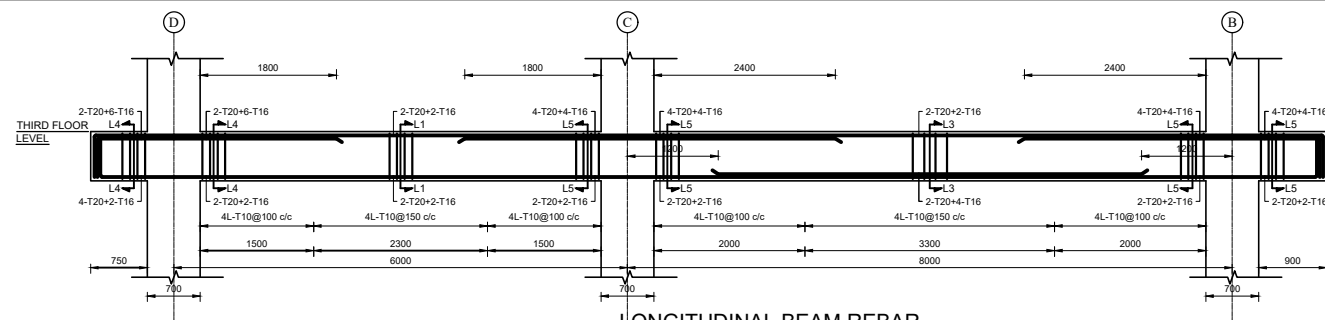
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DATE: FEB. , 2022

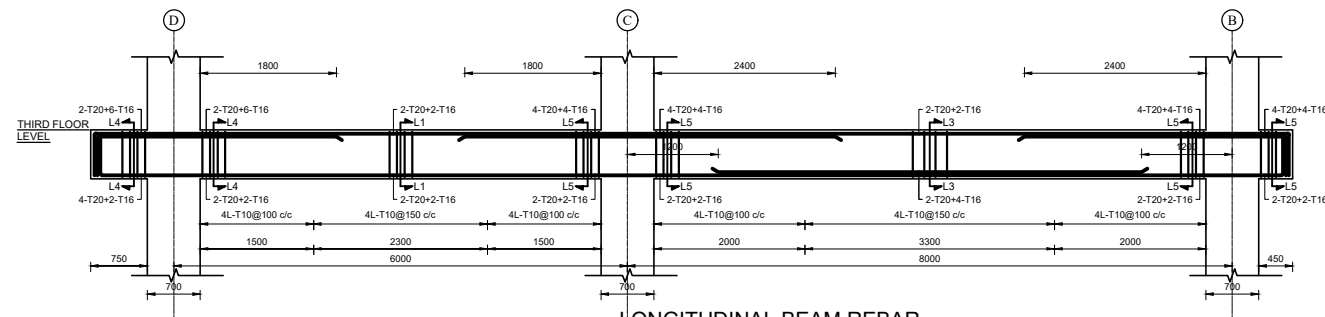
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SHEET NO.

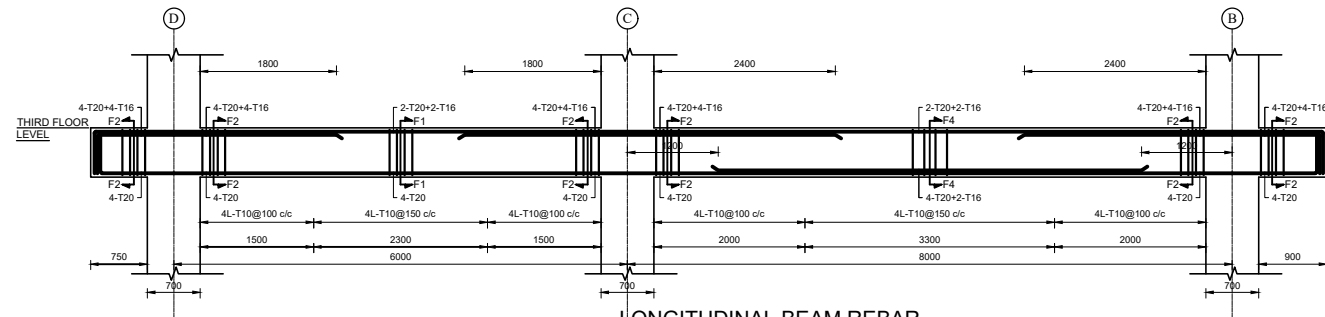
S-363



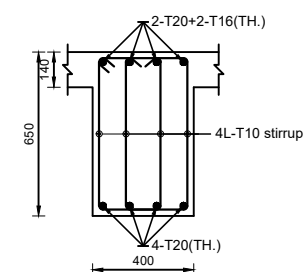
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 8-8
SCALE=1:50



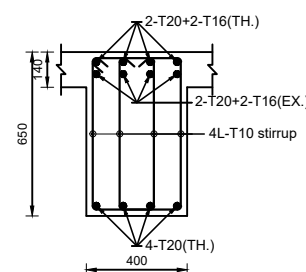
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PROFILE ALONG GRID 9-9
SCALE=1:50



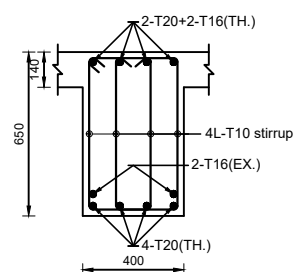
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PROFILE ALONG GRID 10-10
SCALE=1:50



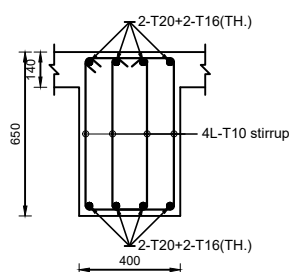
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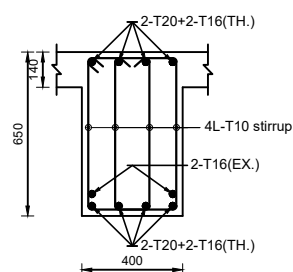
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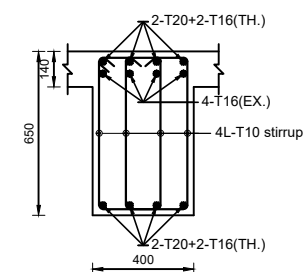
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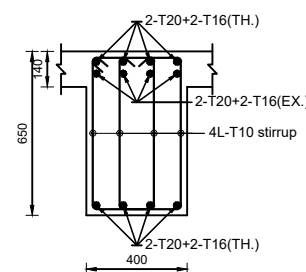
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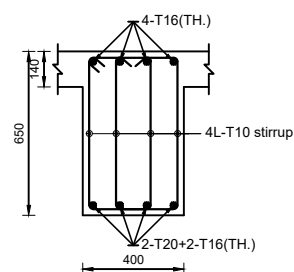
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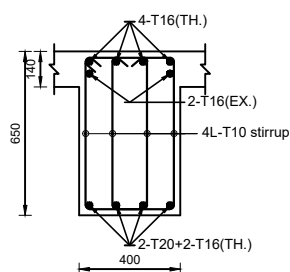
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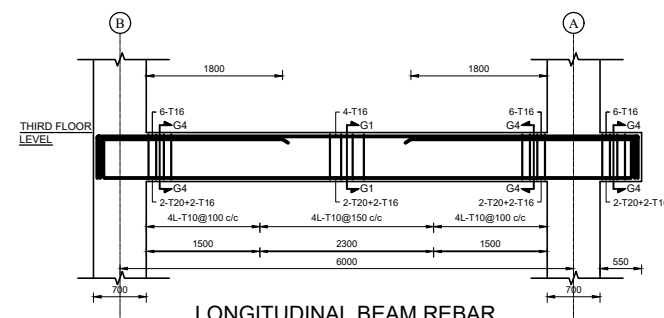
SECTION AT L5
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SECTION AT G1
SCALE=1:20



SECTION AT G4
SCALE=1:20



LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 7'-7'
SCALE=1:50

NOTE:

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2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
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(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:

MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

LONGITUDINAL BEAM PROFILE
FOR THIRD FLOOR LEVEL
& SECTIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

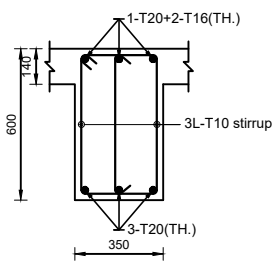
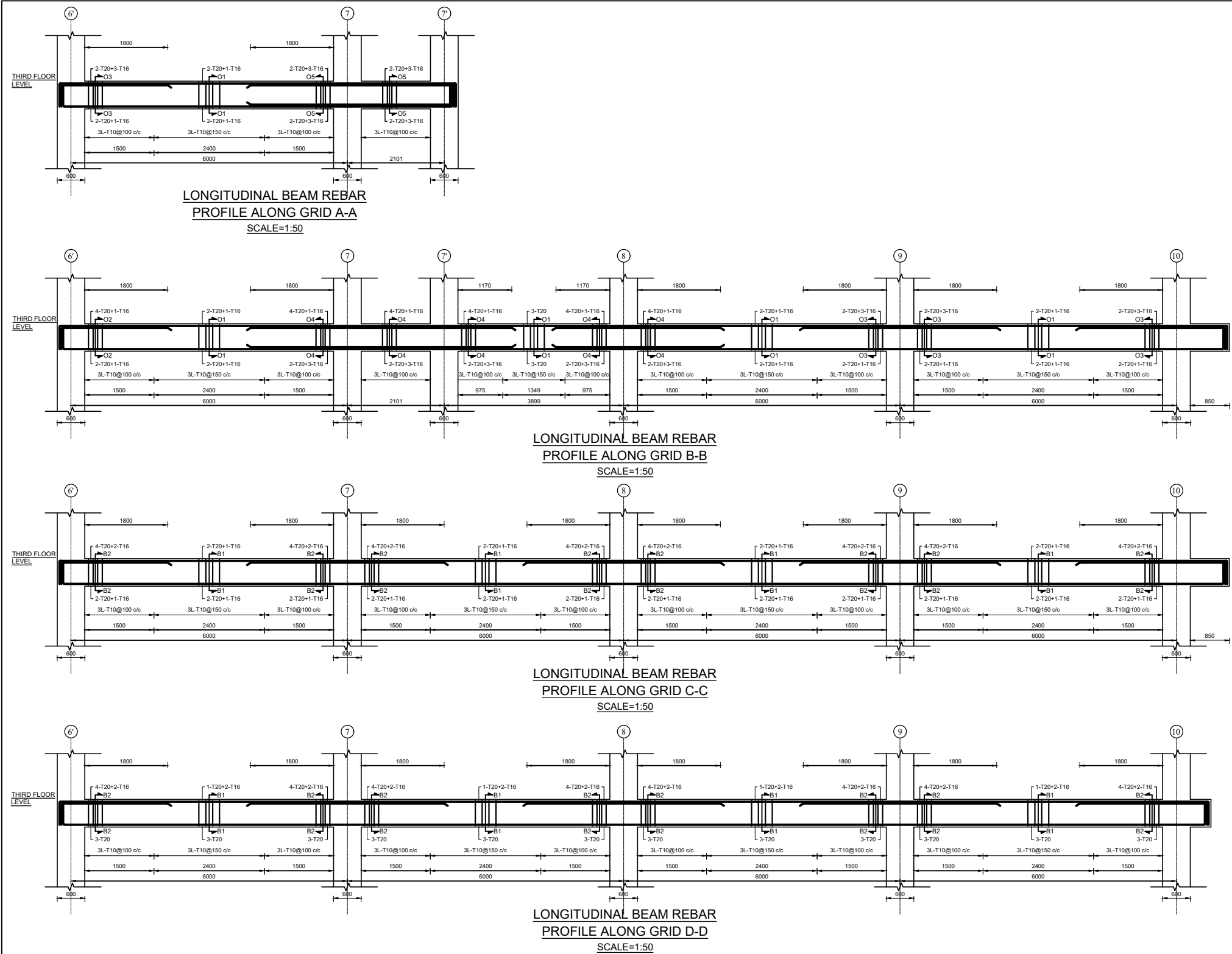
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DATE: FEB. , 2022

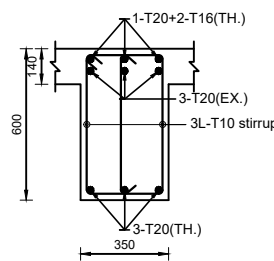
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SHEET NO.

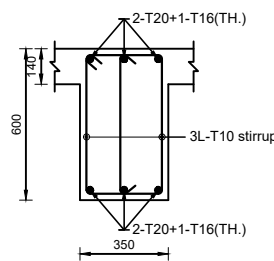
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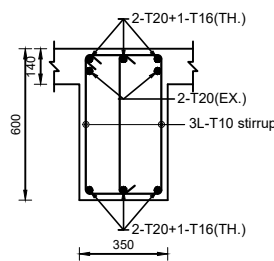
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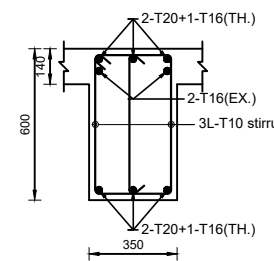
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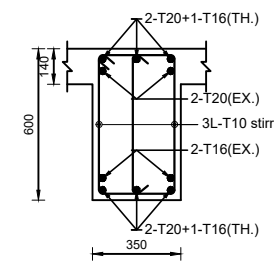
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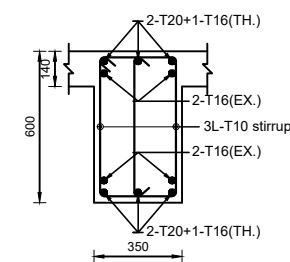
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SECTION AT O3
SCALE=1:20



SECTION AT O4
SCALE=1:20



SECTION AT O5
SCALE=1:20

- NOTE:**
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(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

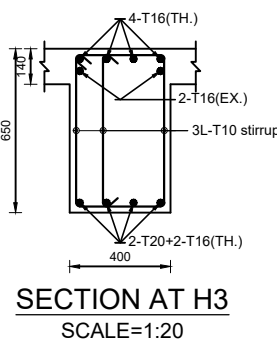
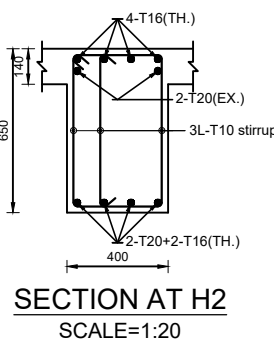
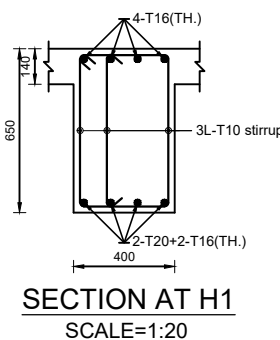
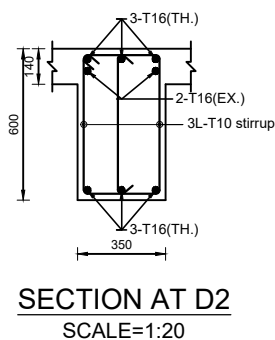
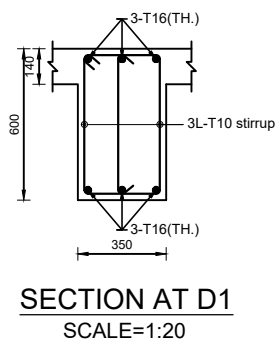
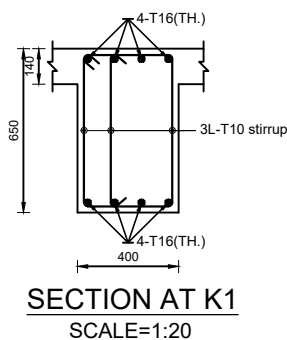
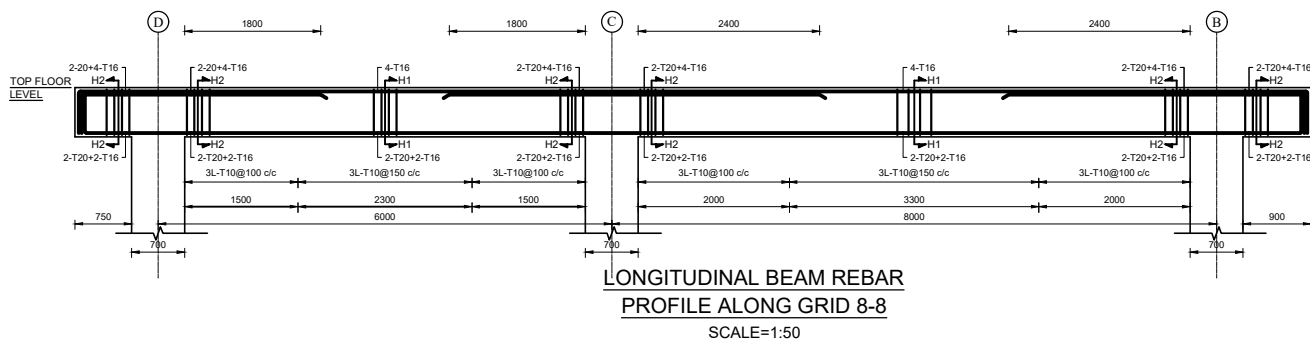
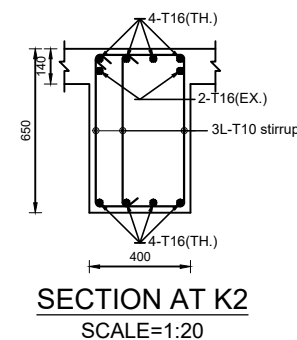
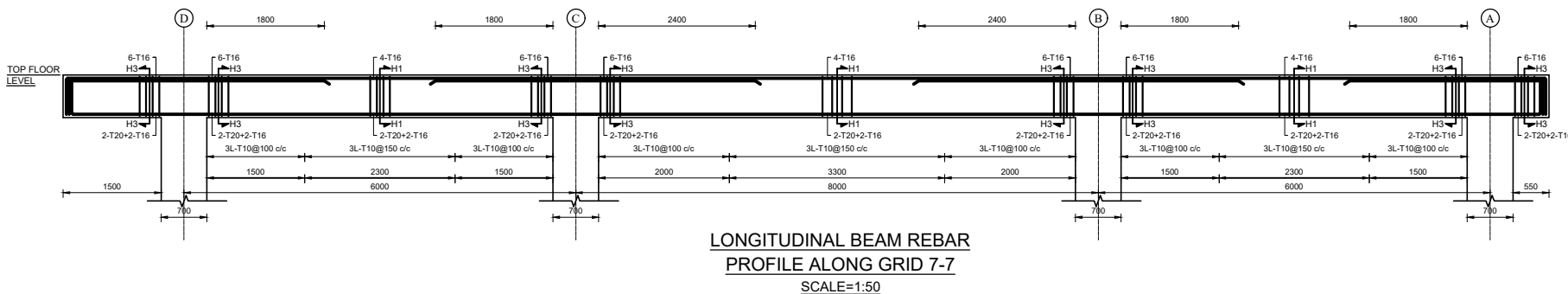
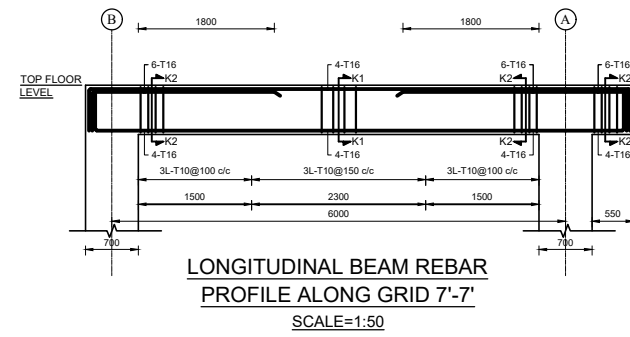
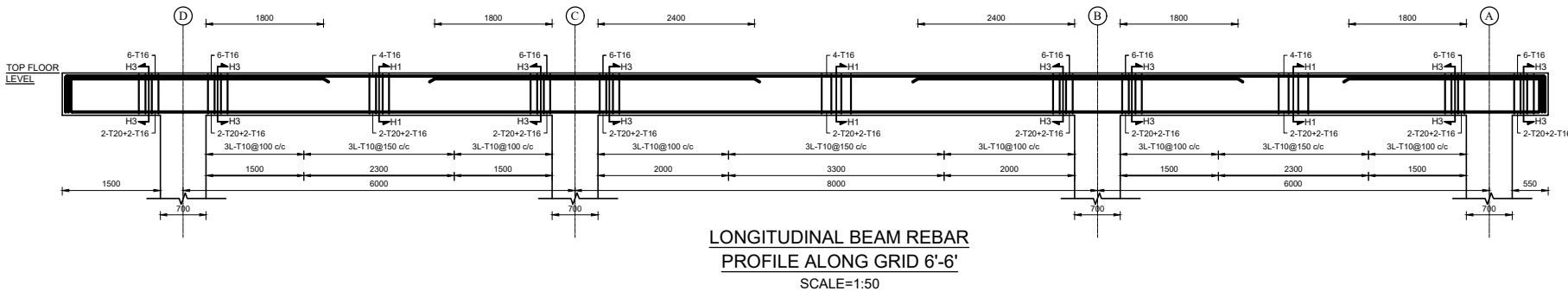
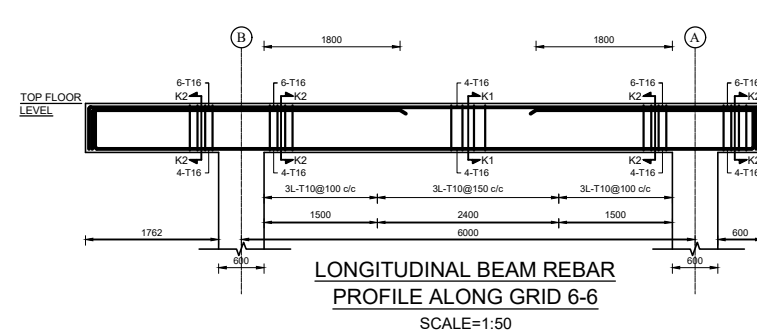
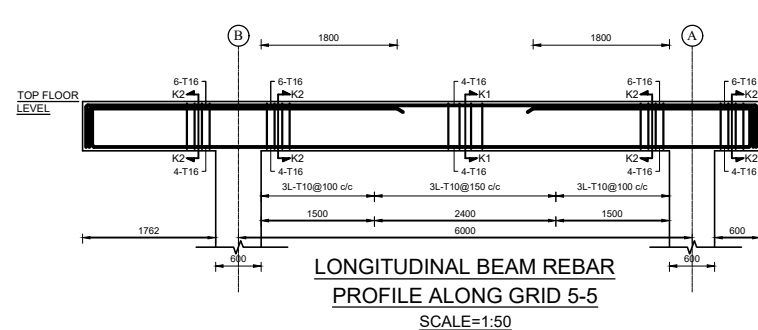
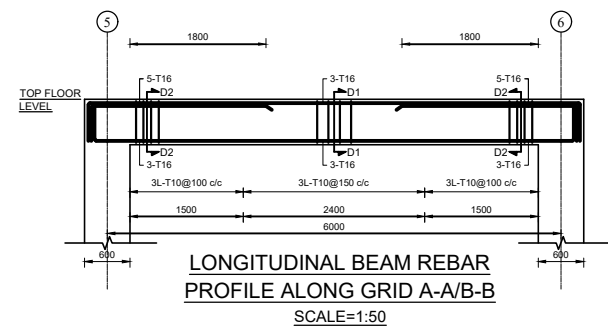
REVIEWED BY:

DRAWING TITLE:
LONGITUDINAL BEAM PROFILE FOR THIRD FLOOR LEVEL & SECTIONS

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-365



- NOTE:**
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 5 IN SHEET S-102 FOR ANCHORAGE OF BEAM LONGITUDINAL BARS IN COLUMN
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CLIENT:
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DEVELOPMENT BOARD
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LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
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AT
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:
KABITA MAHARJAN
(NEC: 833 "Architecture" "A")

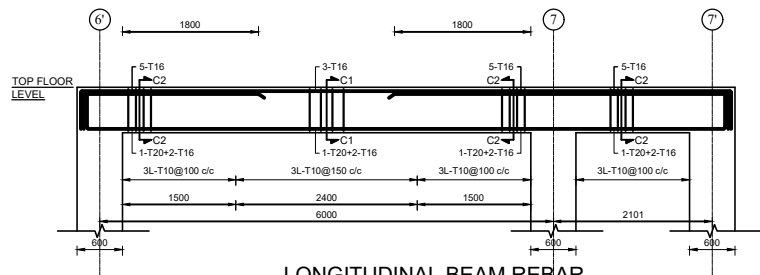
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DRAWING TITLE:
LONGITUDINAL BEAM PROFILE FOR TOP FLOOR LEVEL & SECTIONS

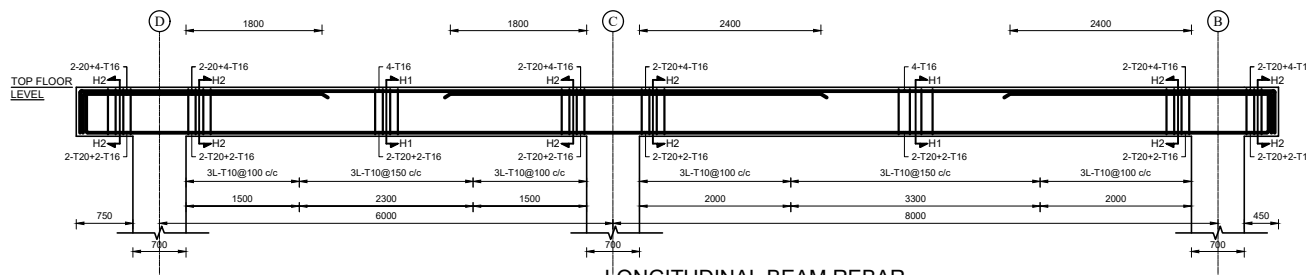
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NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	AS SHOWN
DATE:	FEB. , 2022
REVISION NO.:	N/A

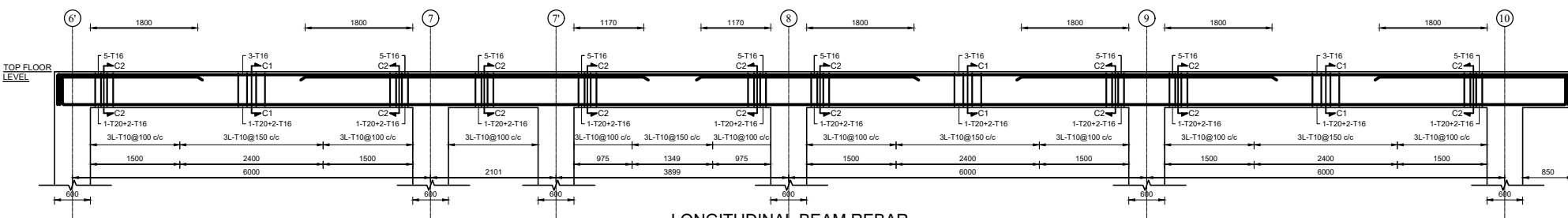
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S-366



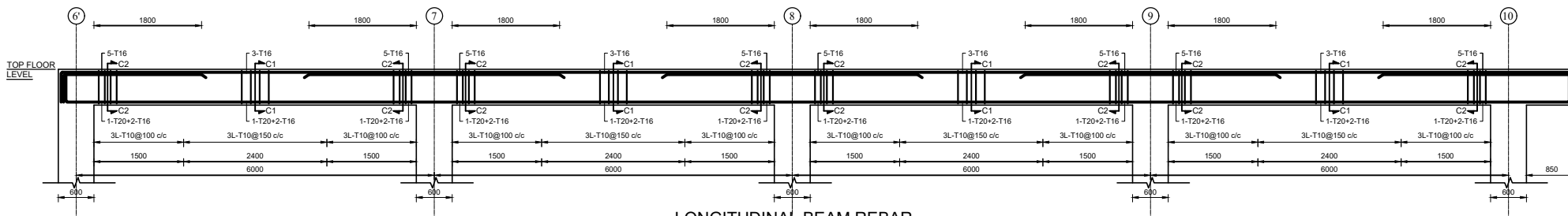
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID A-A
SCALE=1:50



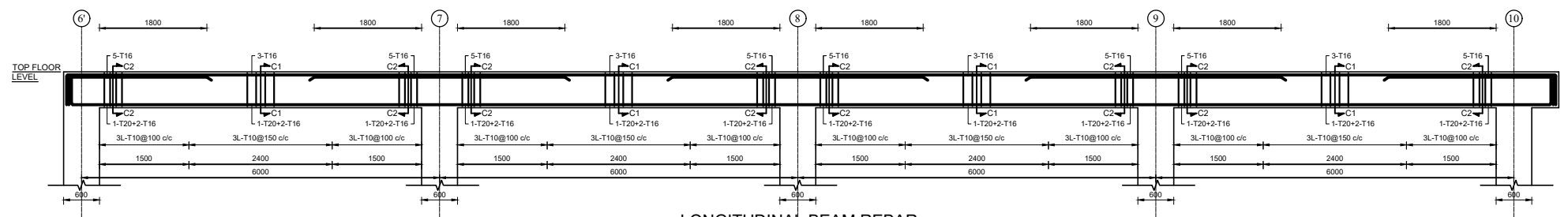
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PROFILE ALONG GRID 9-9
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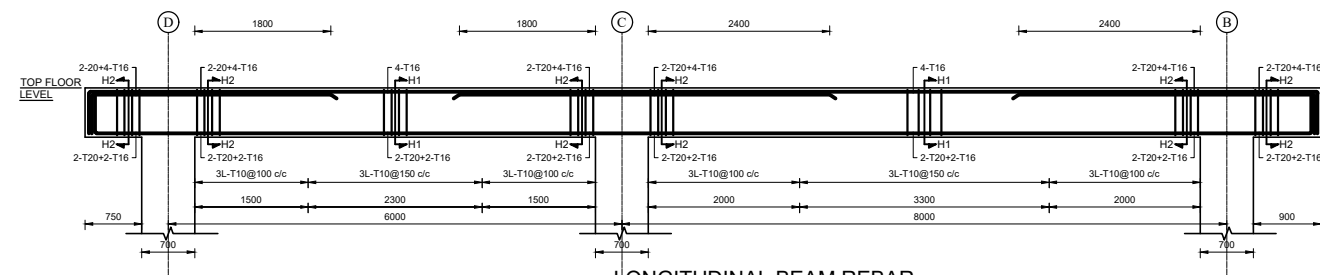
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PROFILE ALONG GRID B-B
SCALE=1:50



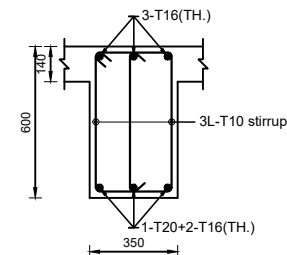
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PROFILE ALONG GRID C-C
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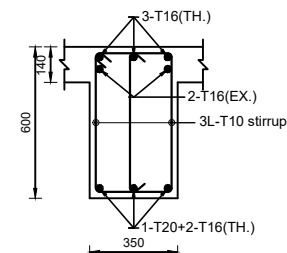
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PROFILE ALONG GRID D-D
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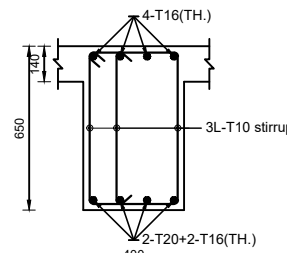
LONGITUDINAL BEAM REBAR
PROFILE ALONG GRID 10-10
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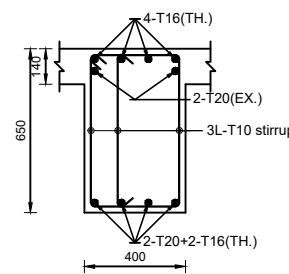
SECTION AT C1
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SECTION AT C2
SCALE=1:20



SECTION AT H1
SCALE=1:20



SECTION AT H2
SCALE=1:20

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GWARKO, LALITPUR

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MITRA GURAU
(NEC: 1375 "Architecture" "A")

STRUCTURAL ENGINEER:

BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:

**LONGITUDINAL BEAM PROFILE
FOR TOP FLOOR LEVEL
& SECTIONS**

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

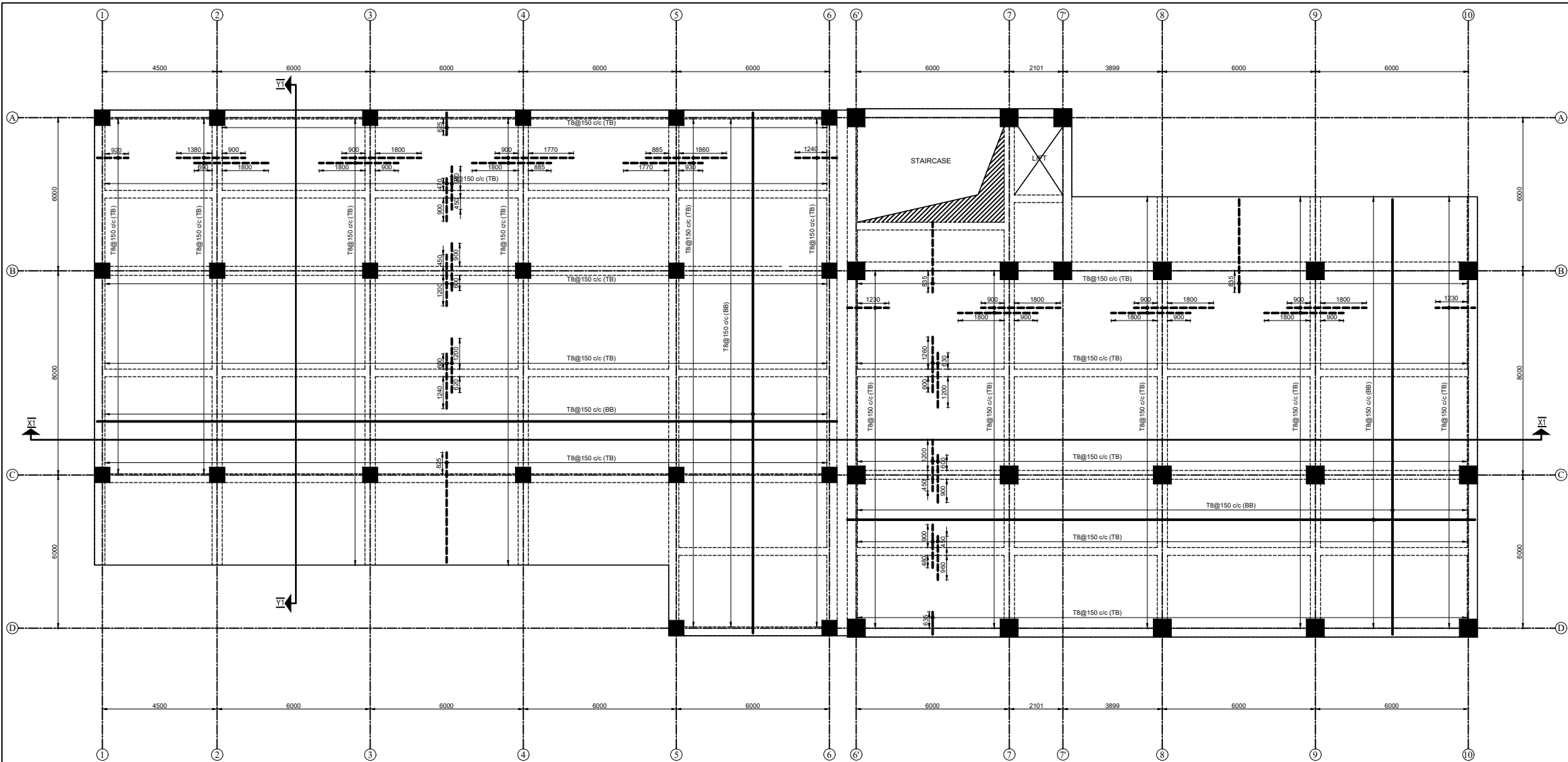
SCALE: AS SHOWN

DATE: FEB. , 2022

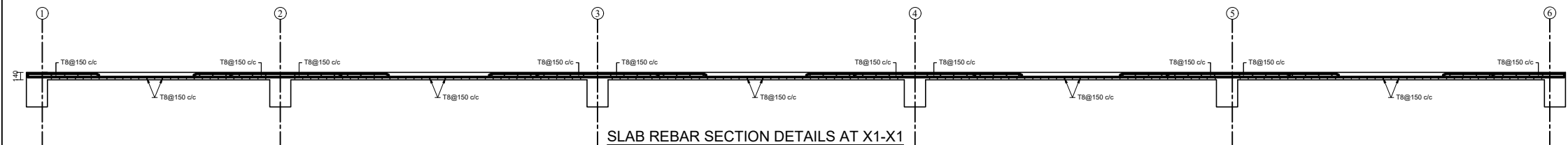
REVISION NO.: N/A

SHEET NO.

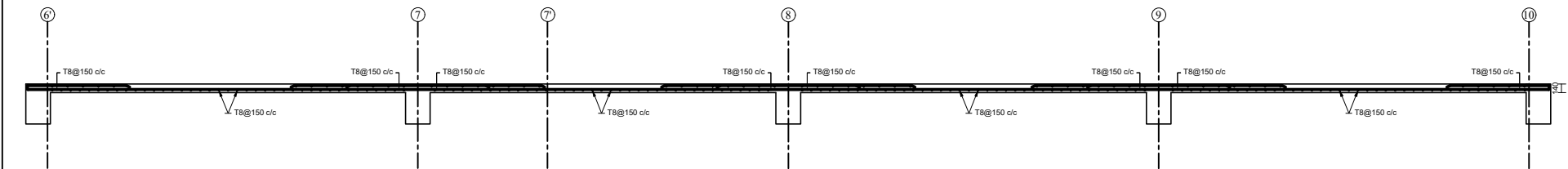
S-367



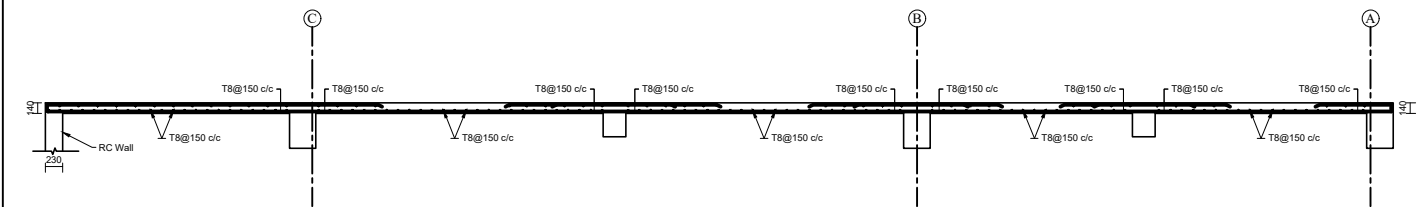
SLAB REBAR PLAN
GROUND FLOOR LEVEL
THICKNESS=140mm
SCALE=1:100



SLAB REBAR SECTION DETAILS AT X1-X1
SCALE 1:50



SLAB REBAR SECTION DETAILS AT X1-X1
SCALE 1:50



SLAB REBAR SECTION DETAILS AT Y1-Y1
SCALE 1:50

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED,
DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED
TO THE SITE ENGINEER

CLIENT:
**MADAN BHANDARI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD**
SETOPATI, WARD 18,
LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
DETAIL ARCHITECTURAL AND ENGINEERING DESIGN
WORK OF GRADUATE PROGRAM BUILDINGS III & IV
AND EXTERNAL INFRASTRUCTURE PLANNING
INCLUDING LANDSCAPING WORKS
AT
CHITLAG, THAHA MUNICIPALITY WARD NO.9,
MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

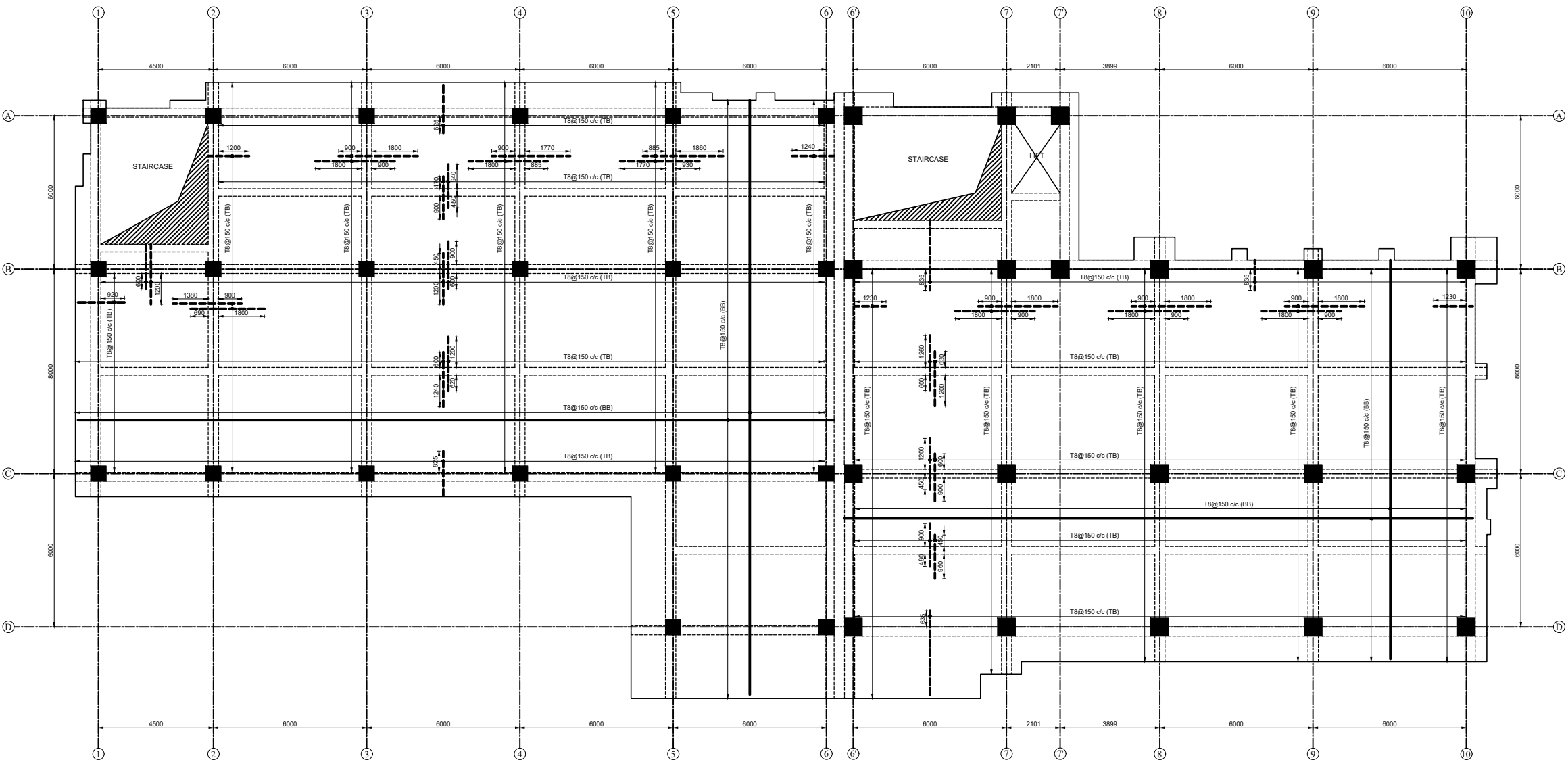
DRAWING TITLE:
**SLAB REBAR PLAN DETAILS
FOR GROUND FLOOR LEVEL
& SECTIONS**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-401

NOTE:
1. REFER GENERAL NOTES IN
SHEET S-101 FOR REBAR,
CONCRETE GRADE &
DEVELOPMENT LENGTH
2. REFER DETAILS 6,7,8 & 9 FOR
LAP AND HOOK IN SHEET
S-102



SLAB REBAR PLAN
FIRST FLOOR LEVEL
THICKNESS=140mm
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

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MAKWANPUR DISTRICT, BAGMATI PROVINCE, NEPAL
CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

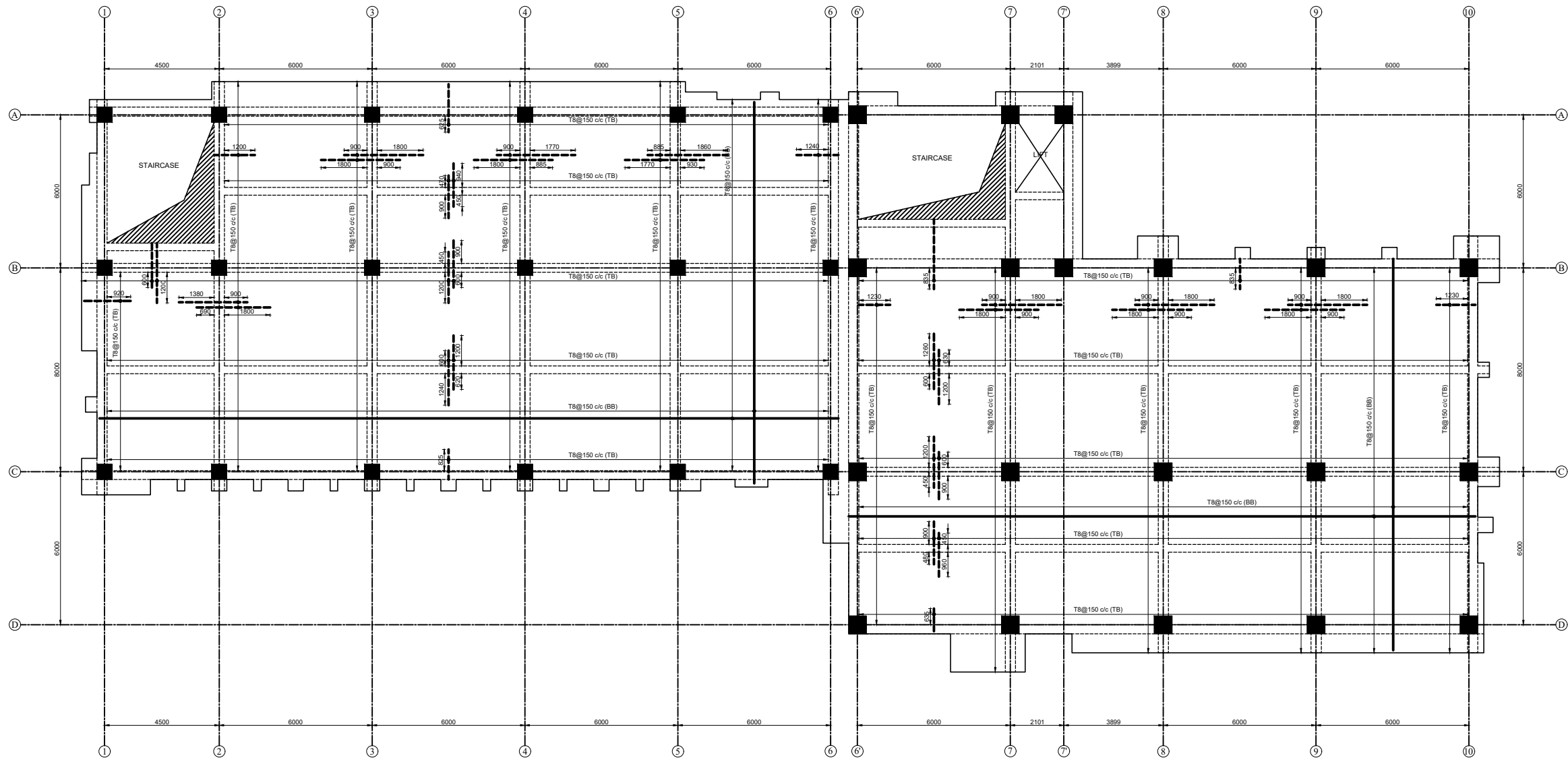
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DRAWING TITLE:
**SLAB REBAR PLAN DETAILS
FOR FIRST FLOOR LEVEL
& SECTIONS**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.:	MBUSTDB/CS/QCBS - 01/2078/79
SCALE:	AS SHOWN
DATE:	FEB. , 2022
REVISION NO.:	N/A

SHEET NO.
S-402



SLAB REBAR PLAN
SECOND FLOOR LEVEL
THICKNESS=140mm
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:
MADAN BHANDARI UNIVERSITY OF SCIENCE AND TECHNOLOGY
DEVELOPMENT BOARD
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LALITPUR METROPOLITAN CITY, NEPAL

PROJECT:
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CHITLAG, THAHA MUNICIPALITY WARD NO.9,
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

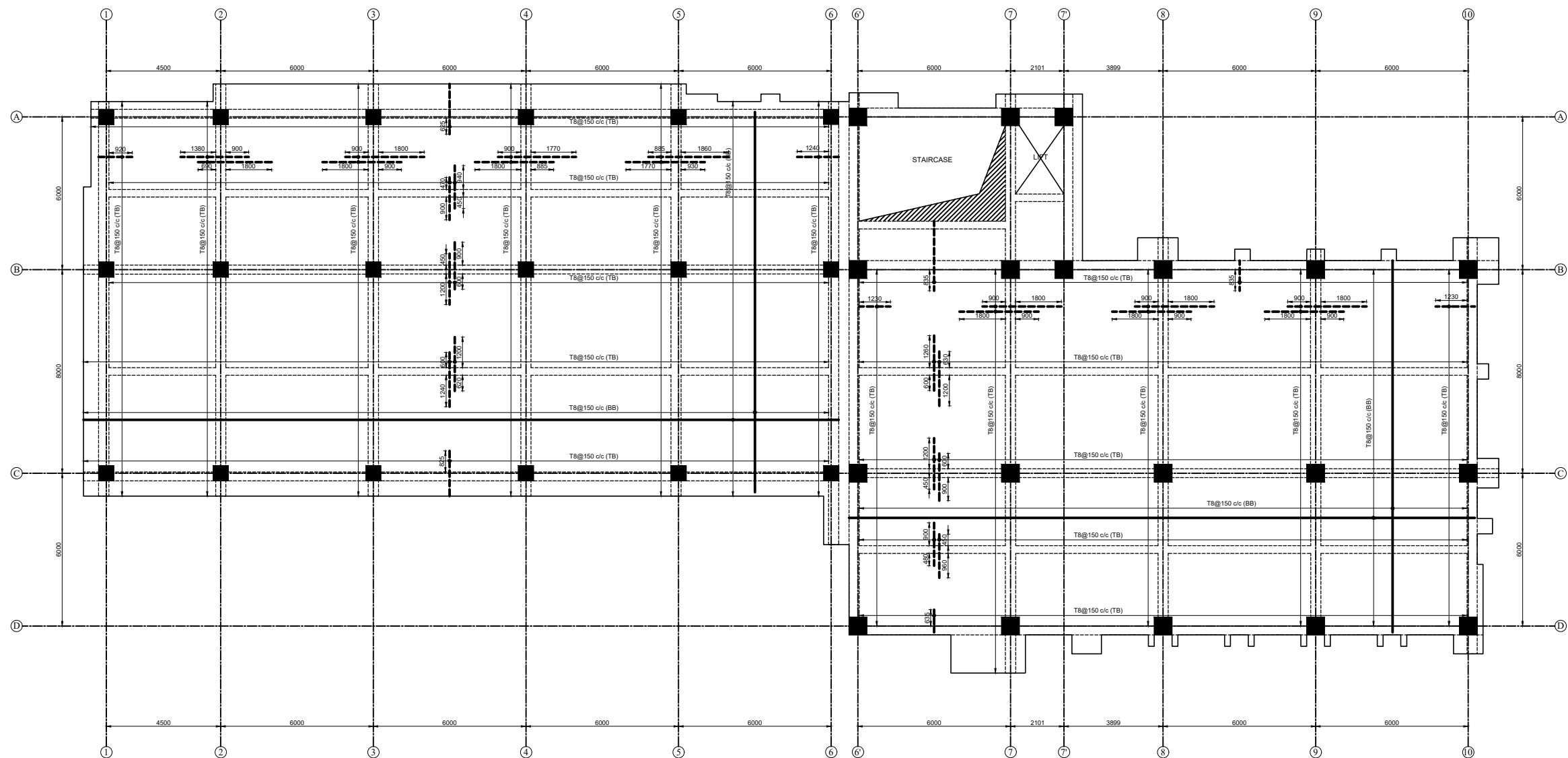
REVIEWED BY:

DRAWING TITLE:
**SLAB REBAR PLAN DETAILS
FOR SECOND FLOOR LEVEL
& SECTIONS**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-403



SLAB REBAR PLAN
THIRD FLOOR LEVEL
THICKNESS=140mm
SCALE=1:200

NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
2. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

NOTE:
1. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED, DRAWINGS SHALL NOT BE MEASURED.
2. ANY DISCREPANCY IF FOUND SHALL BE REPORTED TO THE SITE ENGINEER

CLIENT:
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

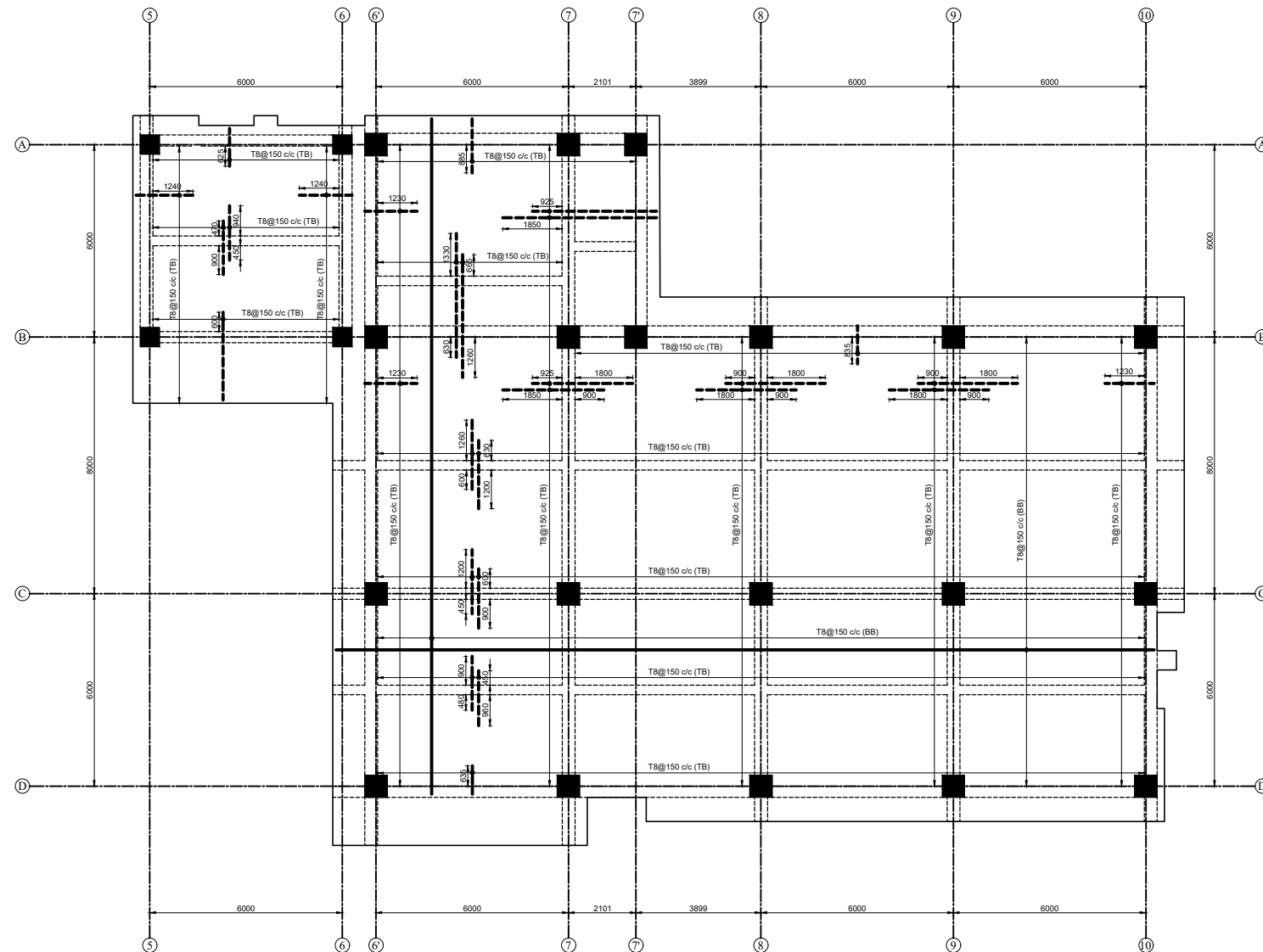
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DRAWING TITLE:
**SLAB REBAR PLAN DETAILS
FOR THIRD FLOOR LEVEL
& SECTIONS**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-404



SLAB REBAR PLAN
TOP FLOOR LEVEL
THICKNESS=140mm
SCALE=1:200

- NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

NOTE:
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CHITLAG, THAHA MUNICIPALITY WARD NO.9,
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:

VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO,LALITPUR

PRINCIPAL ARCHITECT:
MITRA GURAU
(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948"Civil" "A")

REVIEWED BY:

DRAWING TITLE:

SLAB REBAR PLAN DETAILS
FOR TOP FLOOR LEVEL
& SECTIONS

REVISIONS:

NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79

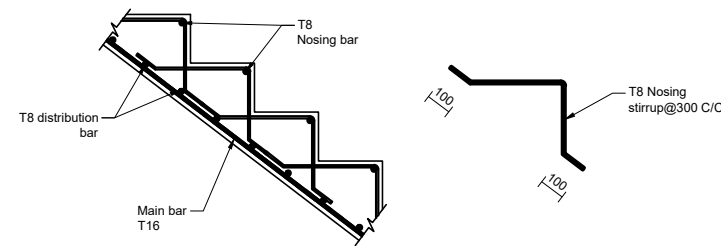
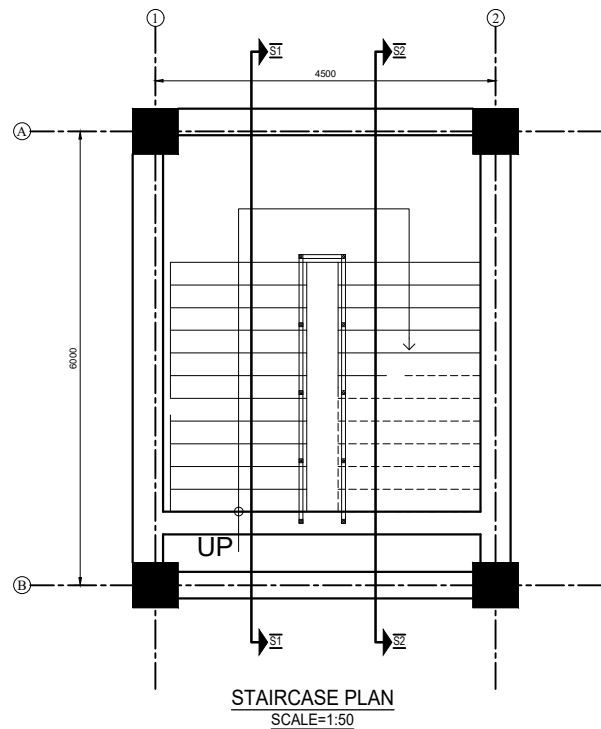
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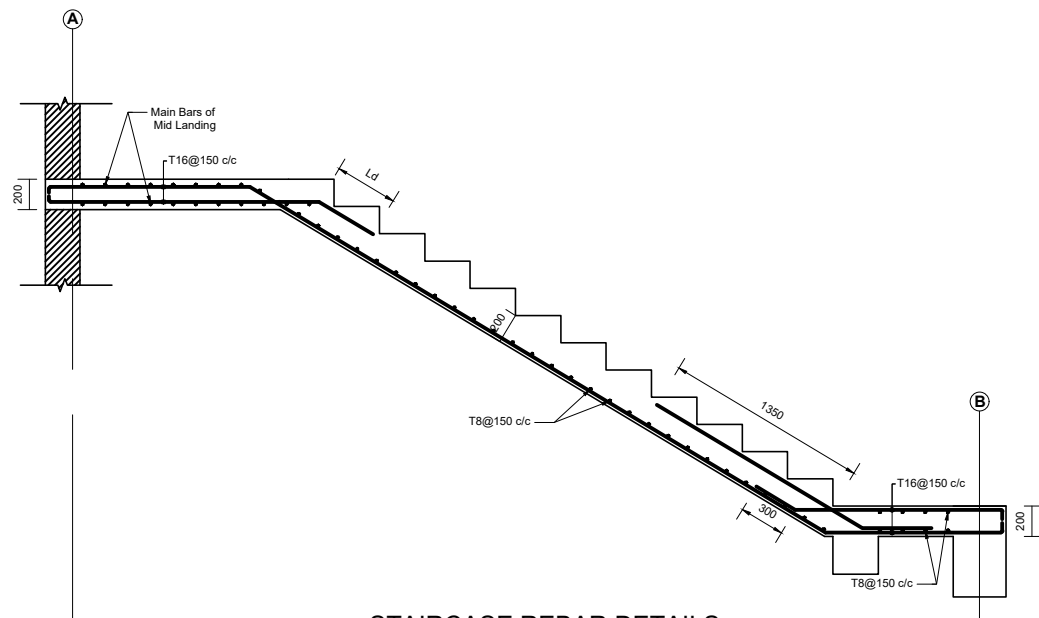
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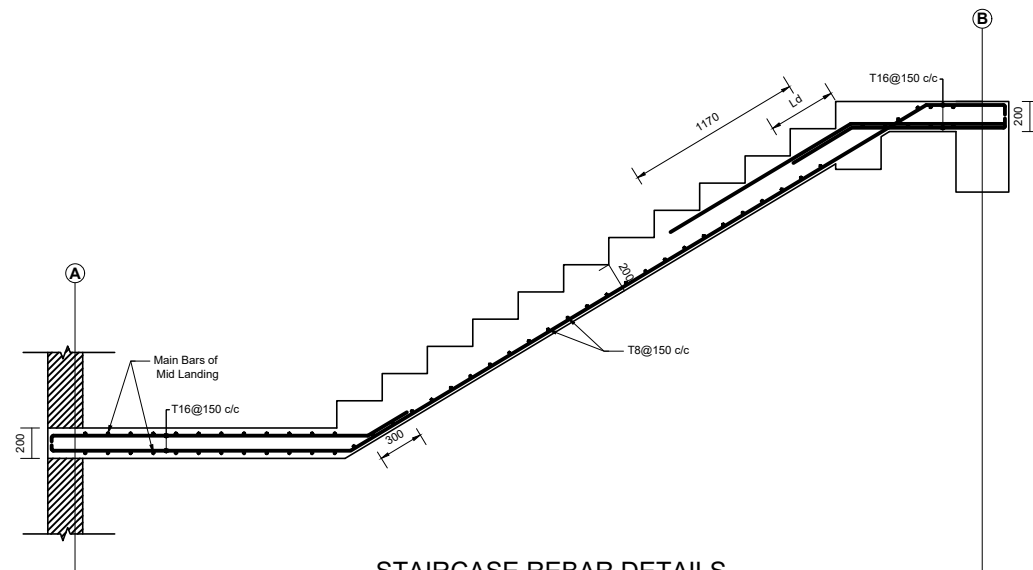
S-405



STAIR NOSING DETAILS
SCALE=1:20



STAIRCASE REBAR DETAILS
S1-S1 FIRST FLIGHT
SCALE=1:30



STAIRCASE REBAR DETAILS
S2-S2 SECOND FLIGHT
SCALE=1:30

- NOTE:
1. REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 2. REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

NOTE:
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AT
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CONTRACT NO.: MBUSTDB/CS/QCBS - 01/2078/79
(PACKAGE 1-GPB 4 BUILDING)

CONSULTANT:
VAASTUSHILPA ASSOCIATES PVT. LTD.
GWARKO, LALITPUR

PRINCIPAL ARCHITECT:
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(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
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(NEC: 6948 "Civil" "A")

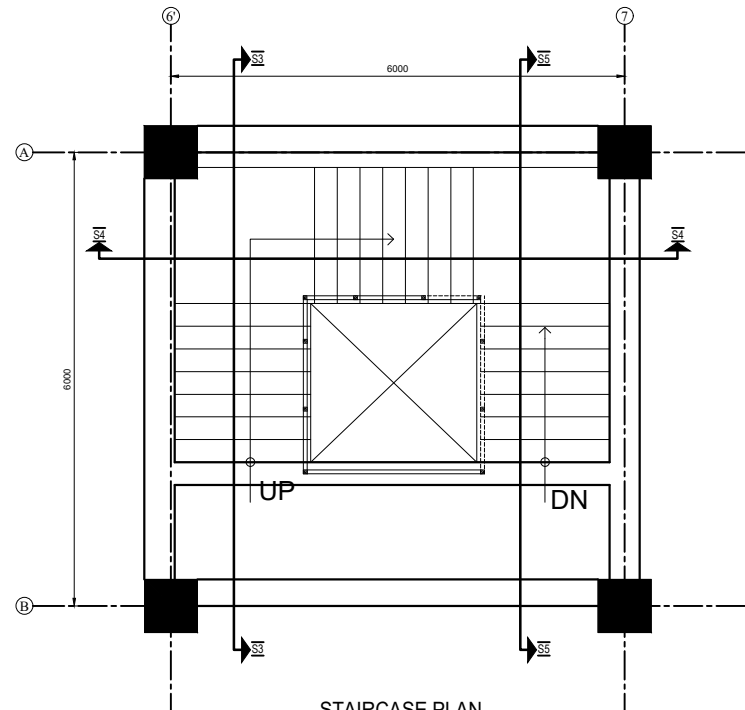
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DRAWING TITLE:
**STAIRCASE PLAN & SECTION
DETAILS, NOSING BAR & STIRRUP
DETAILS**

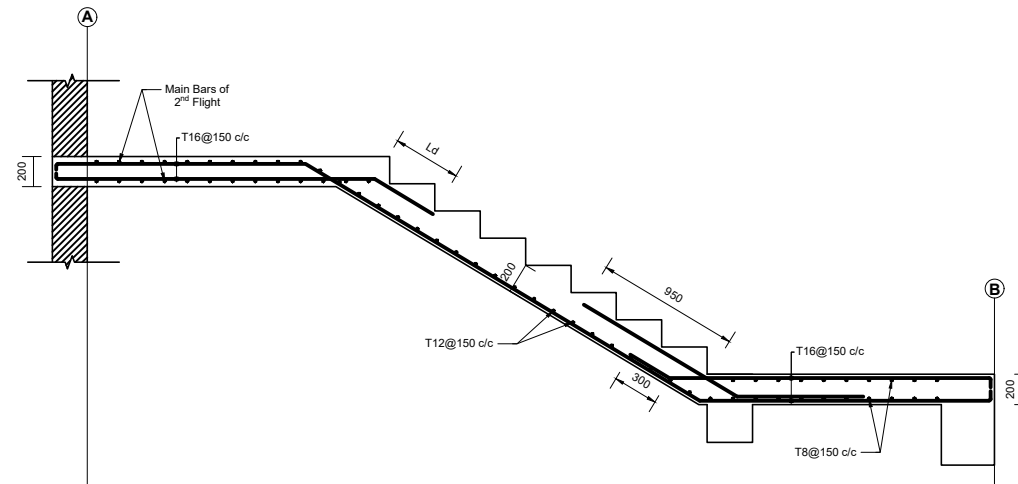
REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

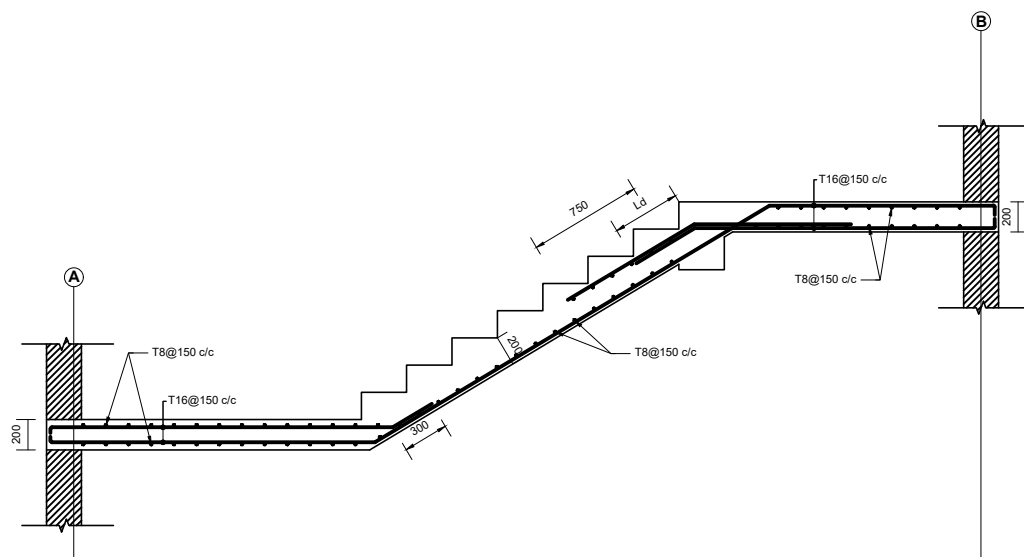
SHEET NO.
S-501



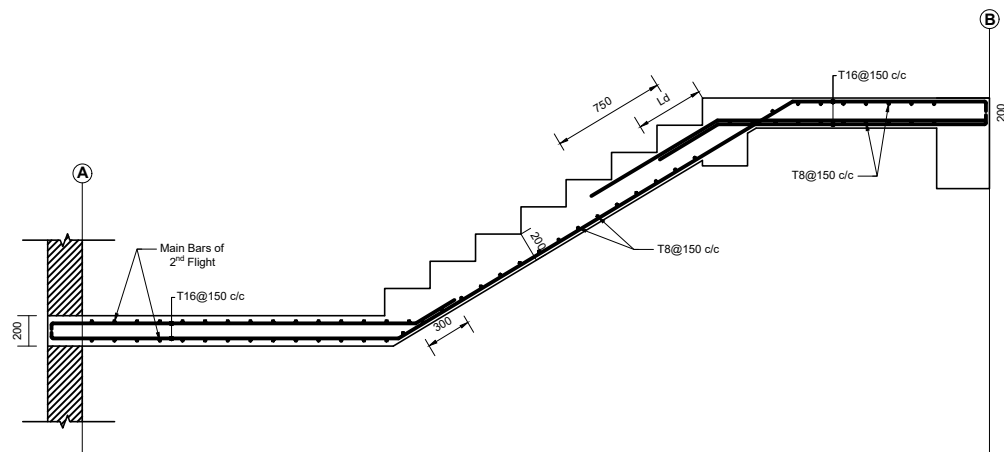
STAIRCASE PLAN
SCALE=1:50



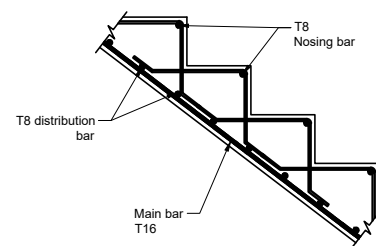
STAIRCASE REBAR DETAILS
S3-S3 FIRST FLIGHT
SCALE=1:30



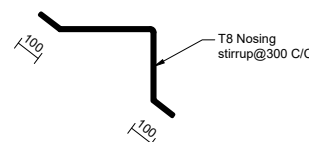
STAIRCASE REBAR DETAILS
S4-S4 SECOND FLIGHT
SCALE=1:30



STAIRCASE REBAR DETAILS
S5-S5 THIRD FLIGHT
SCALE=1:30



STAIR NOSING DETAILS
SCALE=1:20



- NOTE:**
- REFER GENERAL NOTES IN SHEET S-101 FOR REBAR, CONCRETE GRADE & DEVELOPMENT LENGTH
 - REFER DETAILS 6,7,8 & 9 FOR LAP AND HOOK IN SHEET S-102

NOTE:
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(NEC:1375 "Architecture" "A")

STRUCTURAL ENGINEER:
BIPIN KUMAR GAUTAM
(NEC: 6948 "Civil" "A")

REVIEWED BY:

DRAWING TITLE:
**STAIRCASE PLAN & SECTION
DETAILS, NOSING BAR & STIRRUP
DETAILS**

REVISIONS:		
NUM.	DESCRIPTION	DATE
A	DRAFT	2022/02/06
B	FINAL	2022/02/25

PROJECT NO.: MBUSTDB/CS/QCBS - 01/2078/79
SCALE: AS SHOWN
DATE: FEB. , 2022
REVISION NO.: N/A

SHEET NO.
S-502