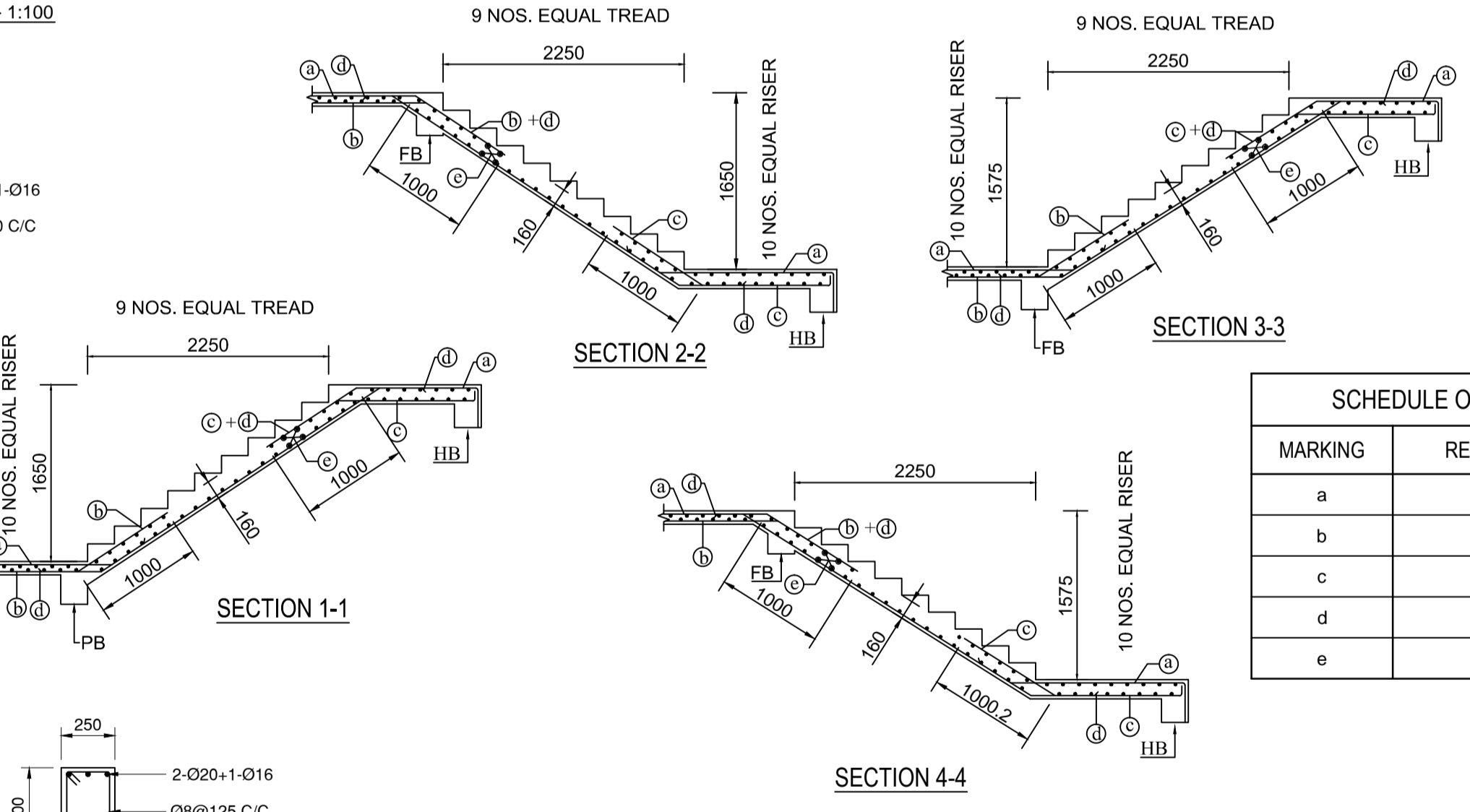
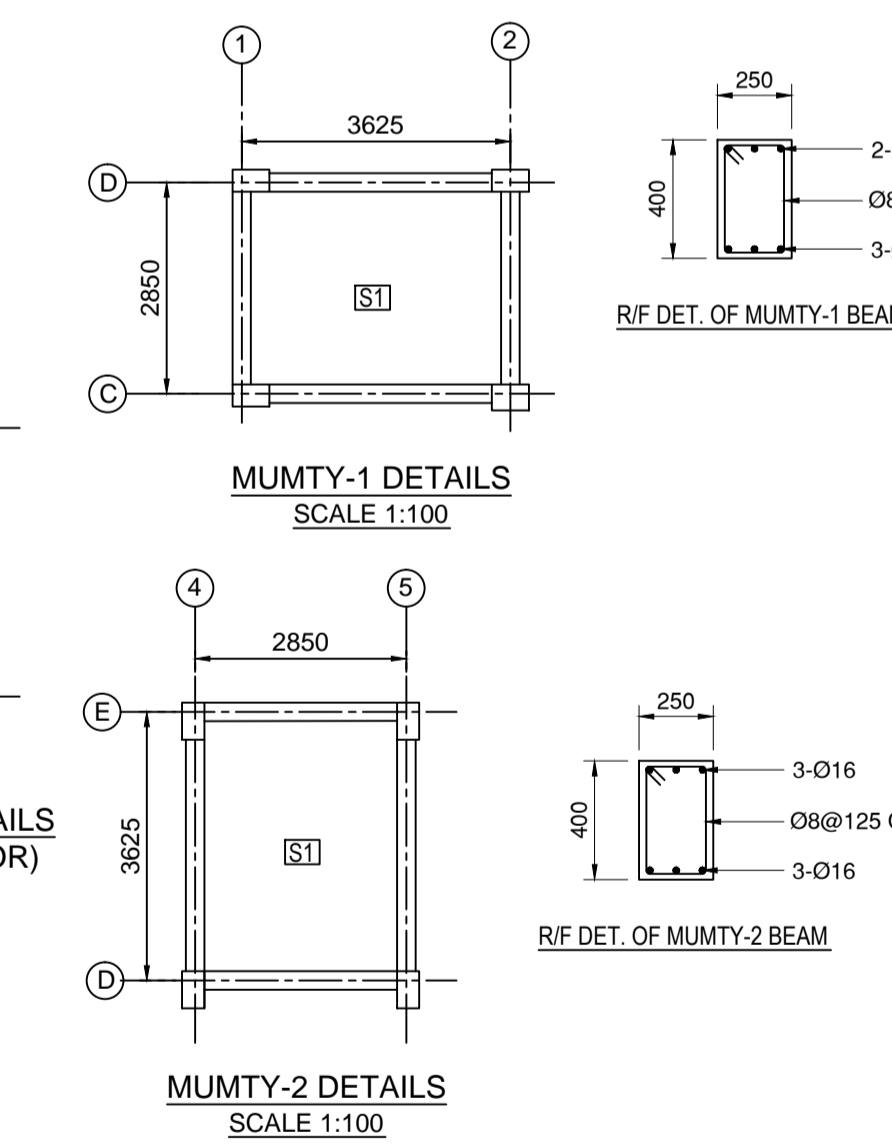
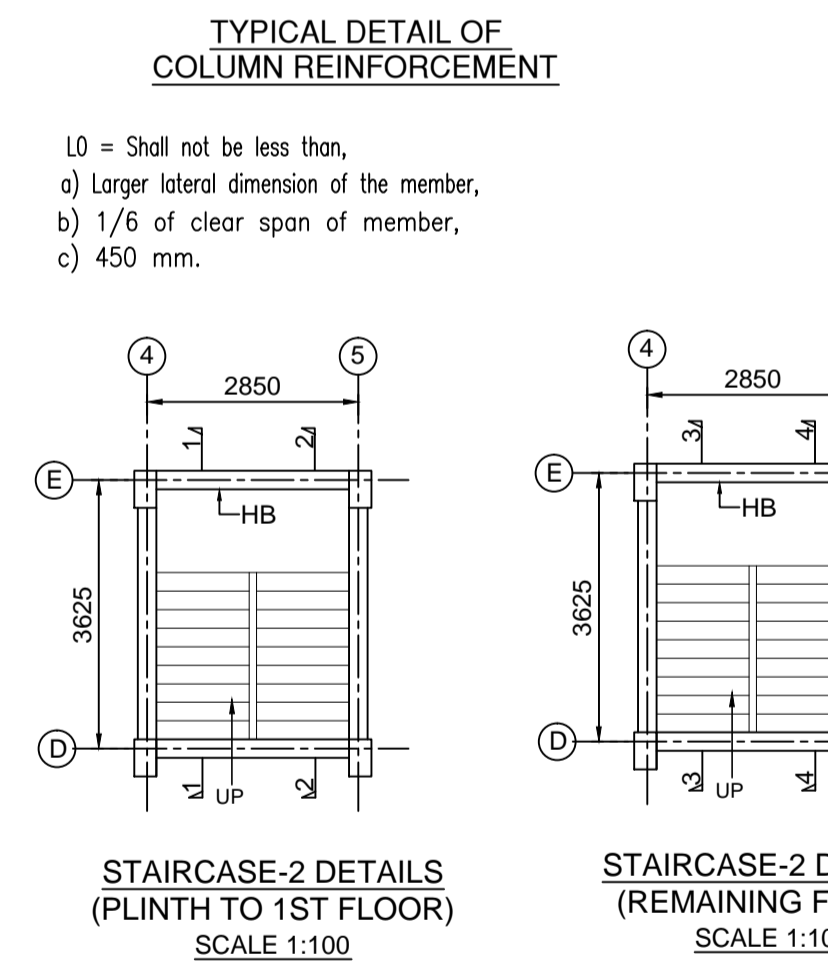
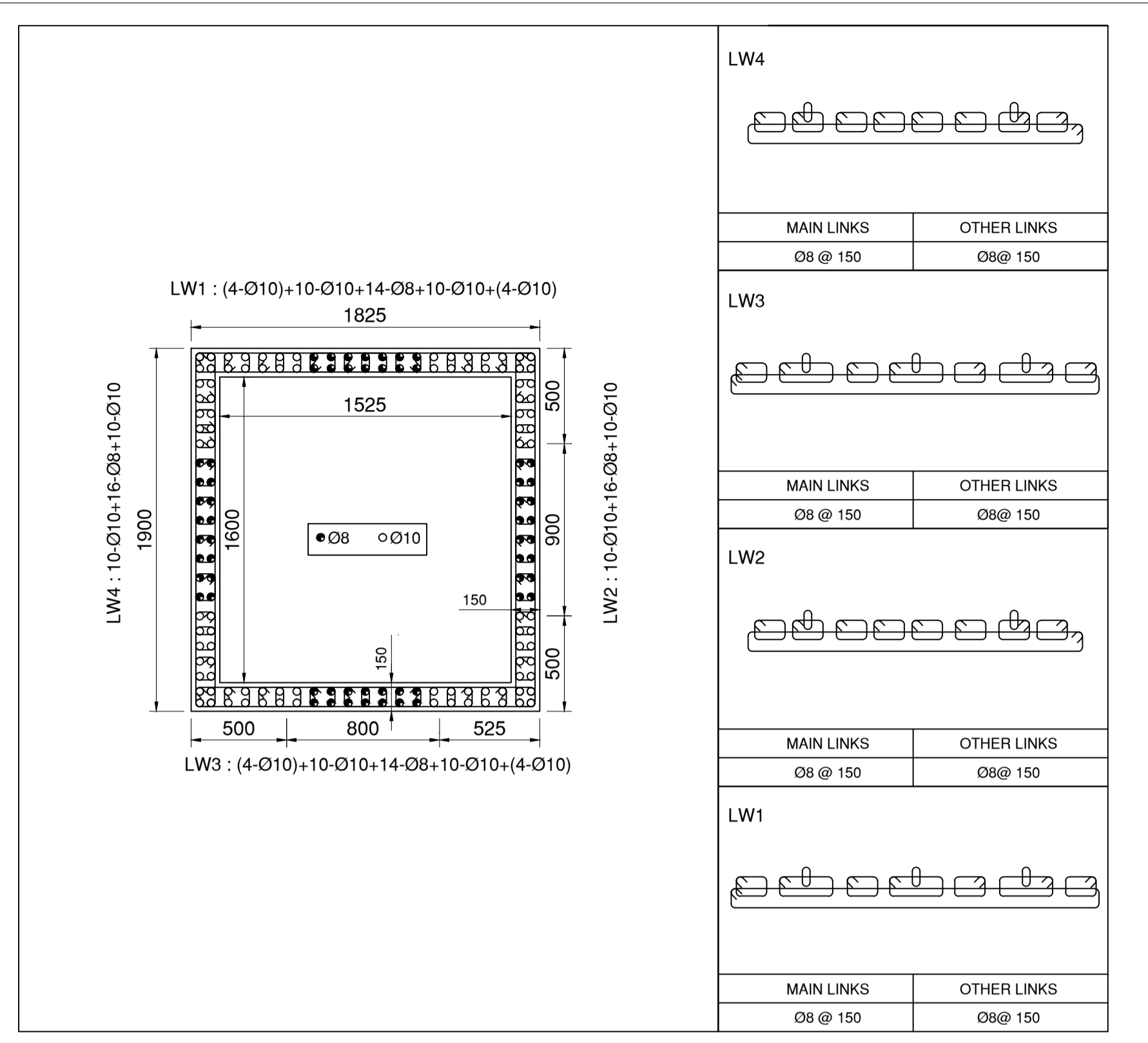


COLUMN NO.	COLUMN SIZE		LONGITUDINAL REINFORCEMENT DETAILS		STIRRUPS	
	Lx	Ly	Up to 2nd floor slab level	Rest of the floors	(ZONE-1)	(ZONE-2)
	A1	300	500	4-Ø20+8-Ø25	12-Ø16	8@100
A2	300	500	12-Ø25	12-Ø16	8@100	8@150
A3	300	500	4-Ø20+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
A4	300	500	4-Ø16+8-Ø25	10-Ø16	8@100	8@150
A5	300	500	4-Ø16+8-Ø25	12-Ø16	8@100	8@150
A6	300	500	4-Ø20+6-Ø25	10-Ø16	8@100	8@150
A7	300	500	4-Ø16+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
B1	500	350	12-Ø25	4-Ø16+8-Ø20	8@100	8@150
B2	350	500	10-Ø20+6-Ø25	12-Ø16+4-Ø20	8@100	8@150
B3	300	500	4-Ø20+6-Ø25	6-Ø16+4-Ø20	8@100	8@150
B4	500	300	4-Ø16+6-Ø25	10-Ø16	8@100	8@150
B5	300	500	4-Ø20+6-Ø25	10-Ø16	8@100	8@150
B6	500	300	4-Ø20+8-Ø25	12-Ø16	8@100	8@150
B7	500	300	12-Ø25	4-Ø16+8-Ø20	8@100	8@150
C1	500	300	12-Ø25	8-Ø16+4-Ø20	8@100	8@150
C2	500	350	4-Ø20+8-Ø25	8-Ø16+4-Ø20	8@100	8@150
C3	500	300	4-Ø20+6-Ø25	6-Ø16+4-Ø20	8@100	8@150
C4	500	300	6-Ø16+4-Ø25	10-Ø16	8@100	8@150
C5	500	300	4-Ø16+6-Ø20	10-Ø16	8@100	8@150
D1	500	300	4-Ø20+8-Ø25	12-Ø16	8@100	8@150
D2	500	300	4-Ø20+6-Ø25	6-Ø16+4-Ø20	8@100	8@150
D3	300	500	4-Ø16+6-Ø20	4-Ø16+6-Ø20	8@100	8@150
D4	300	500	6-Ø16+4-Ø25	6-Ø16+4-Ø20	8@100	8@150
D5	300	500	6-Ø16+4-Ø20	10-Ø16	8@100	8@150
D6	500	300	12-Ø25	4-Ø16+8-Ø20	8@100	8@150
D7	500	300	12-Ø25	8-Ø16+4-Ø20	8@100	8@150
E3	300	500	6-Ø16+4-Ø20	6-Ø16+4-Ø20	8@100	8@150
E4	300	500	6-Ø16+4-Ø25	6-Ø16+4-Ø20	8@100	8@150
E5	300	500	4-Ø16+6-Ø25	4-Ø16+6-Ø20	8@100	8@150
E6	500	300	4-Ø20+8-Ø25	8-Ø16+4-Ø20	8@100	8@150
E7	500	350	4-Ø20+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
F1	300	500	12-Ø25	12-Ø20	8@100	8@150
F2	350	500	4-Ø20+8-Ø25	4-Ø16+8-Ø20	8@100	8@150
F3	300	500	4-Ø16+8-Ø25	8-Ø16+4-Ø20	8@100	8@150
F4	300	500	6-Ø16+4-Ø25	6-Ø16+4-Ø20	8@100	8@150
F5	300	500	4-Ø16+6-Ø25	6-Ø16+4-Ø20	8@100	8@150
F6	300	500	12-Ø25	12-Ø16	8@100	8@150
F7	350	500	12-Ø25	8-Ø16+4-Ø20	8@100	8@150
G1	300	500	4-Ø20+8-Ø25	12-Ø16	8@100	8@150
G2	350	500	12-Ø25	8-Ø16+4-Ø20	8@100	8@150
G3	300	500	4-Ø20+8-Ø25	12-Ø16	8@100	8@150
G4	300	500	4-Ø16+6-Ø20	10-Ø16	8@100	8@150
G5	300	500	4-Ø16+8-Ø25	12-Ø16	8@100	8@150
G6	300	500	4-Ø16+8-Ø25	12-Ø16	8@100	8@150
G7	300	500	4-Ø16+8-Ø25	12-Ø16	8@100	8@150
SC	250	250	-	8-Ø20	8@100	8@150



SLAB MKD.	ALONG SHORT SPAN			ALONG LONG SPAN			REMARKS
	BOTTOM ALTHROUGH	EXTRA BOT. AT MID SPAN	TOP AT SUPPORT	BOTTOM ALTHROUGH	EXTRA BOT. AT MID SPAN	TOP AT SUPPORT	
	S1	100 @ 300	100 @ 300	100 @ 150	100 @ 300	100 @ 300	
S2	80 @ 300	80 @ 300	80 @ 150	80 @ 300	80 @ 300	80 @ 150	
S3	80 @ 300	80 @ 300	80 @ 200	80 @ 300	80 @ 300	80 @ 200	

NOTE: SLAB THICKNESS = 125MM (GENERAL)  
 SLAB THICKNESS = 150MM (SLAB MKD. S1)

MARKING	SCHEDULE OF BARS IN STAIRS	
	REINFORCEMENT DETAILS	
a	FG @ 150	FG @ 150
b	FG @ 150	FG @ 150
c	FG @ 150	FG @ 150
d	FG @ 150	FG @ 150
e	FG @ 150	FG @ 150

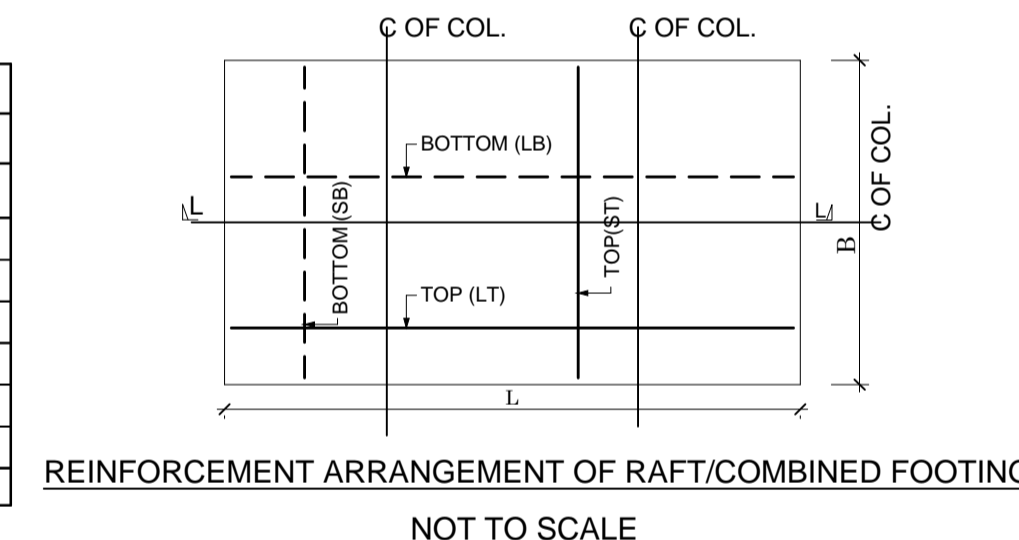
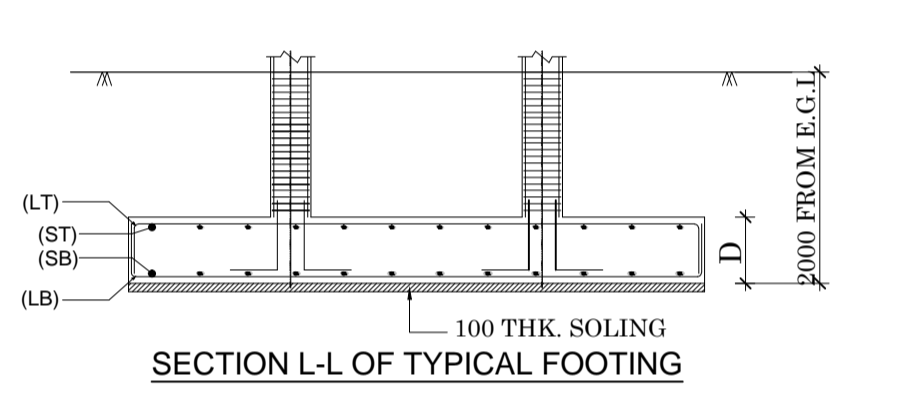
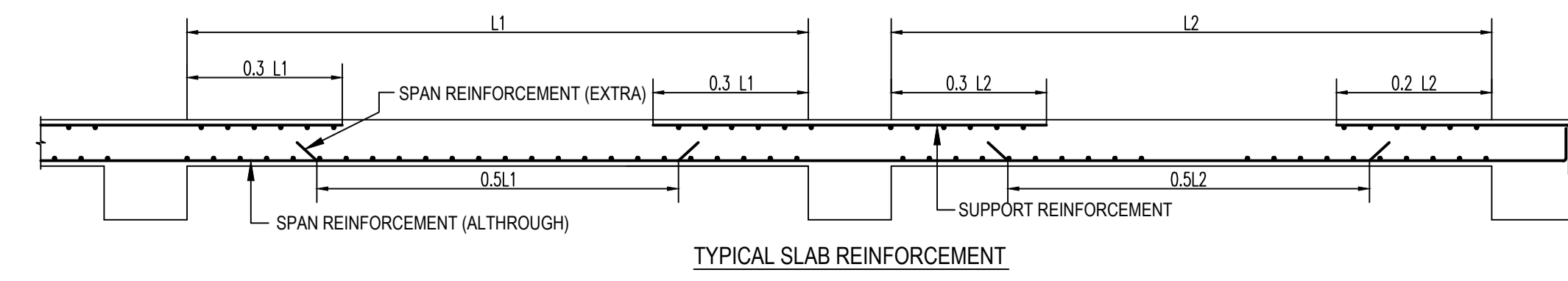
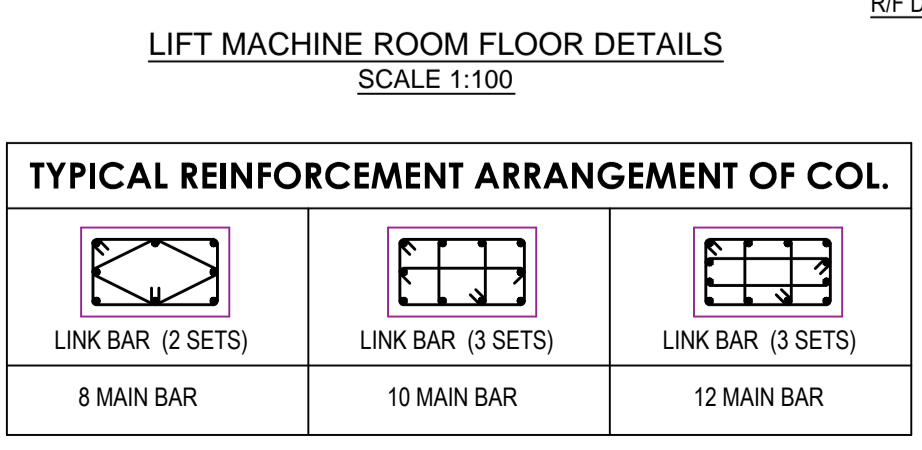
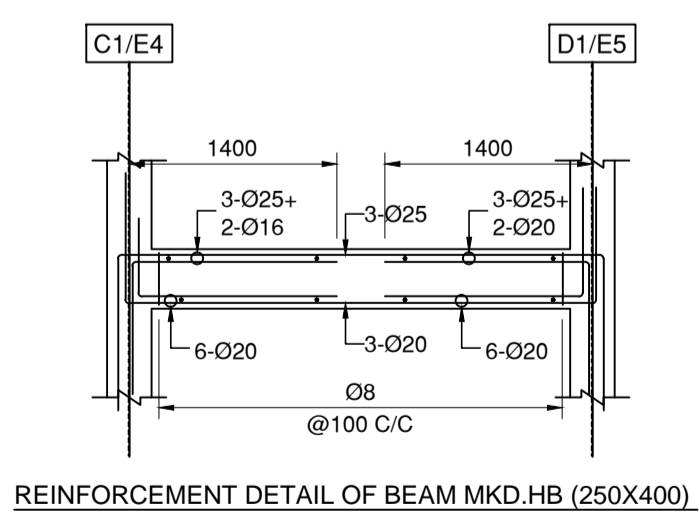
NOTE: SPECIAL CONFINED REINFORCEMENT TO BE PROVIDED FOR A LENGTH OF 800 MM. @ 100 MM. C/C; CONFINING BAR SHOULD BE SAME AS THE DIA. OF STIRRUPS BAR USED IN A PARTICULAR BEAM UNLESS OTHERWISE SPECIFIED.

**NOTES :-**

- DEPTH OF FOUNDATION HAS BEEN CONSIDERED 2M IN DESIGN FOR A BEARING CAPACITY OF 160 KN/SQM AS PER SOIL REPORT SUBMITTED BY R.B. TESTING
- ALL DIMENSION AND ELEVATIONS ARE IN M.M. UNLESS NOTED OTHERWISE
- USE M-25 GRADE FOR CONCRETE WORK.
- REINFORCEMENT STEEL WILL BE OF GRADE FE-500
- USE COLD TWISTED DEFORMED REINFORCING BAR CONFORMING TO IS: 1786.
- MINIMUM CLEAR CONCRETE COVER SHALL BE AS FOLLOWS:

ITEM	TOP	BOTTOM	SIDE
FOOTING	60	60	60
COLUMN	-	-	40
BEAM	25	25	25
SLAB	20	20	25

- UNLESS SPECIFIED OTHERWISE ALL HOOKS, BENDS, LAPS, SPLICES ETC. SHALL BE AS PER LATEST IS:456 & OTHER RELEVANT INDIAN STANDARDS. PROVIDE DEVELOPMENT LENGTH 40D WHERE,
- "D" IS THE DIAMETER OF REINFORCING BAR.
- ALL DIMENSIONS AND DETAILS ARE TYPICAL UNLESS INDICATED OTHERWISE.
- THIS DRAWING WILL BE READ IN CONJUNCTION WITH CONTRACT DOCUMENT.
- DESIGN IS BASED ON IS:456-2000, IS:1893(PART-1)-2016, IS:875(PART-II)-1987



**PROJECT TITLE:-**  
 PROPOSED GROUND (PARKING)+5 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF M/S SONIA KAUR LAMBA D/O LT. JASPAL SINGH AT SITE ADDRESS BURDAMAN ROAD, NEAR TINBATTI MORE, P.O. SILIGURI, DIST. JALPAIGURI, P.S. BHAKTINAGAR, WARD NO. 32 (S.M.C.).

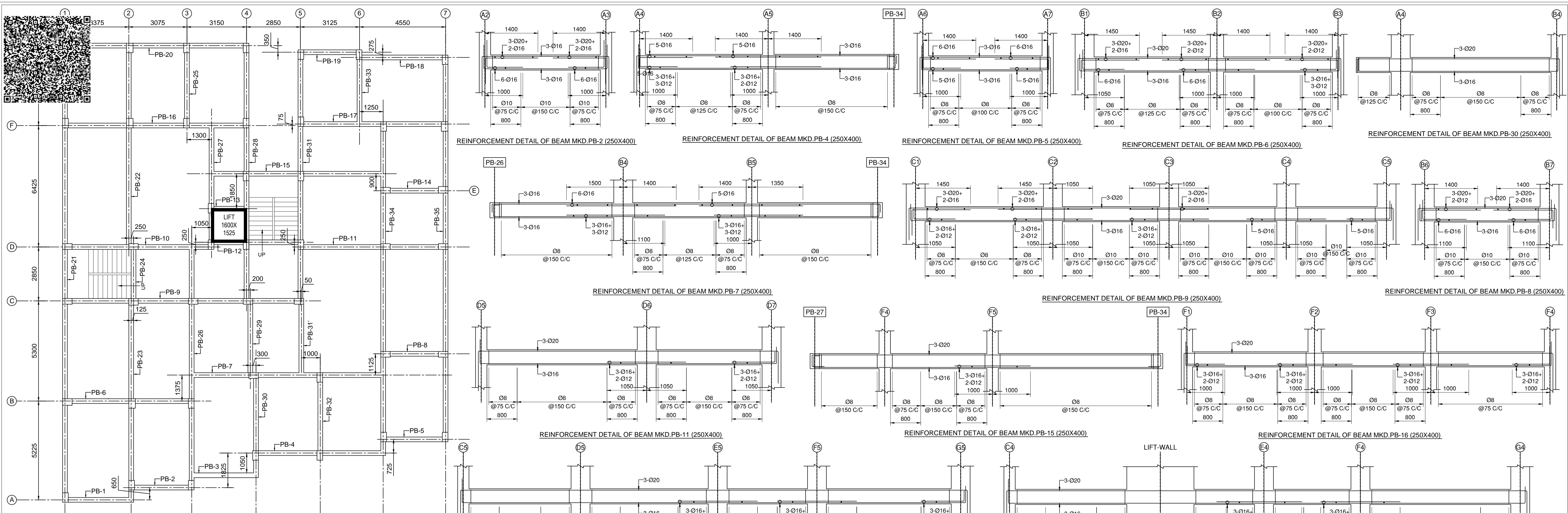
**DRAWING TITLE:-FOUNDATION, COLUMN, STAIRCASE, LIFT,SLAB, MUMTY & LIFT MACHINE ROOM DETAILS**

**DECLARATION**  
 We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no.(R.S.) 586/1575,(L.R.) 17 At Burdaman Road,near Tinbatti More, PS- Bhaktinagar, Dist.- Jalpaiguri under the jurisdiction of Siliguri Municipal Corporation/ Notified Area Authority/ Industrial Township Authority have been personally inspected and so designed by us will make such foundation and super structure safe in all respect including the consideration of bearing capacity and settlement of soil and other condition if any conforming to all stipulations of all relevant IS CODE of practice.

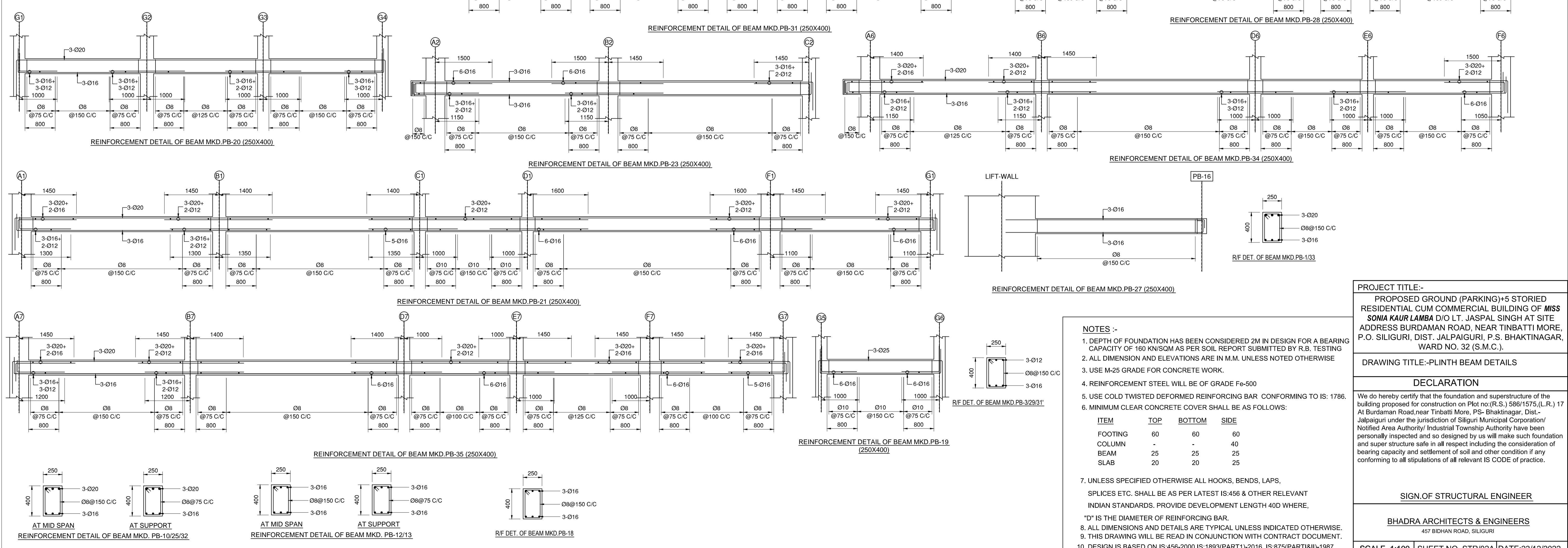
**SIGN.OF STRUCTURAL ENGINEER**

**BHADRA ARCHITECTS & ENGINEERS**  
 457 BIDHAN ROAD, SILIGURI

SCALE 1:100 | SHEET NO. STR/01 | DATE:23/12/2022



STRUCTURAL ARRANGEMENT OF PLINTH  
SCALE - 1:100



**NOTES :-**

- DEPTH OF FOUNDATION HAS BEEN CONSIDERED 2M IN DESIGN FOR A BEARING CAPACITY OF 160 KN/SQM AS PER SOIL REPORT SUBMITTED BY R.B. TESTING
- ALL DIMENSION AND ELEVATIONS ARE IN M.M. UNLESS NOTED OTHERWISE
- USE M-25 GRADE FOR CONCRETE WORK.
- REINFORCEMENT STEEL WILL BE OF GRADE Fe-500
- USE COLD TWISTED DEFORMED REINFORCING BAR CONFORMING TO IS: 1786.
- MINIMUM CLEAR CONCRETE COVER SHALL BE AS FOLLOWS:

ITEM	TOP	BOTTOM	SIDE
FOOTING	60	60	60
COLUMN	-	-	40
BEAM	25	25	25
SLAB	20	20	25

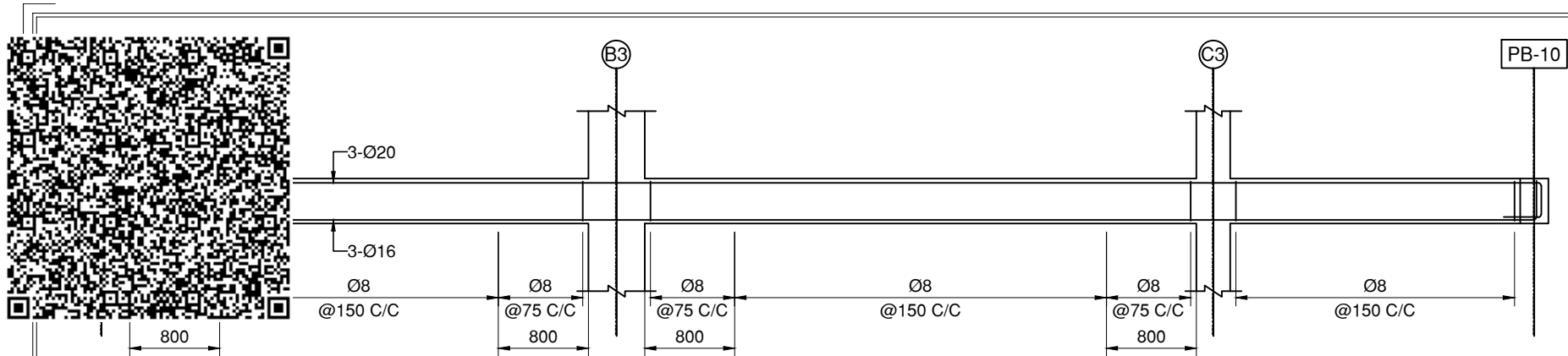
- UNLESS SPECIFIED OTHERWISE ALL HOOKS, BENDS, LAPS, SPLICES ETC. SHALL BE AS PER LATEST IS:456 & OTHER RELEVANT INDIAN STANDARDS. PROVIDE DEVELOPMENT LENGTH 40D WHERE,
- "D" IS THE DIAMETER OF REINFORCING BAR.
- ALL DIMENSIONS AND DETAILS ARE TYPICAL UNLESS INDICATED OTHERWISE.
- THIS DRAWING WILL BE READ IN CONJUNCTION WITH CONTRACT DOCUMENT.
- DESIGN IS BASED ON IS:456-2000, IS:1893(PART1)-2016, IS:875(PARTII)-1987

**PROJECT TITLE:-**  
PROPOSED GROUND (PARKING)+5 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF MISS SONIA KAUR LAMBA D/O LT. JASPAL SINGH AT SITE ADDRESS BURDAMAN ROAD, NEAR TINBATTI MORE, P.O. SILIGURI, DIST. JALPAIGURI, P.S. BHAKTINAGAR, WARD NO. 32 (S.M.C.).

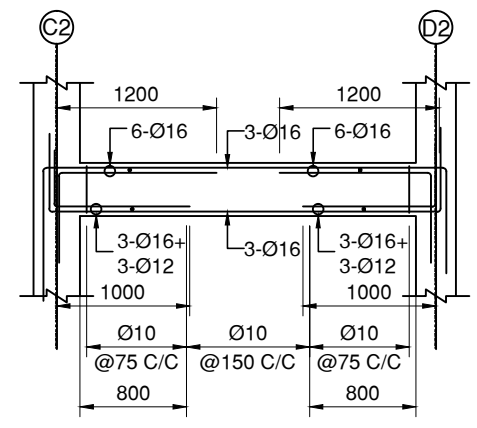
**DECLARATION**  
We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no.(R.S.) 5861/1575,(L.R.) 17 At Burdaman Road,near Tinbatti More, P.S- Bhaktinagar, Dist- Jalpaiguri under the jurisdiction of Siliguri Municipal Corporation/ Notified Area Authority/ Industrial Township Authority have been personally inspected and so designed by us will make such foundation and super structure safe in all respect including the consideration of bearing capacity and settlement of soil and other condition if any conforming to all stipulations of all relevant IS CODE of practice.

**SIGN OF STRUCTURAL ENGINEER**  
**BHADRA ARCHITECTS & ENGINEERS**  
457 BIDHAN ROAD, SILIGURI

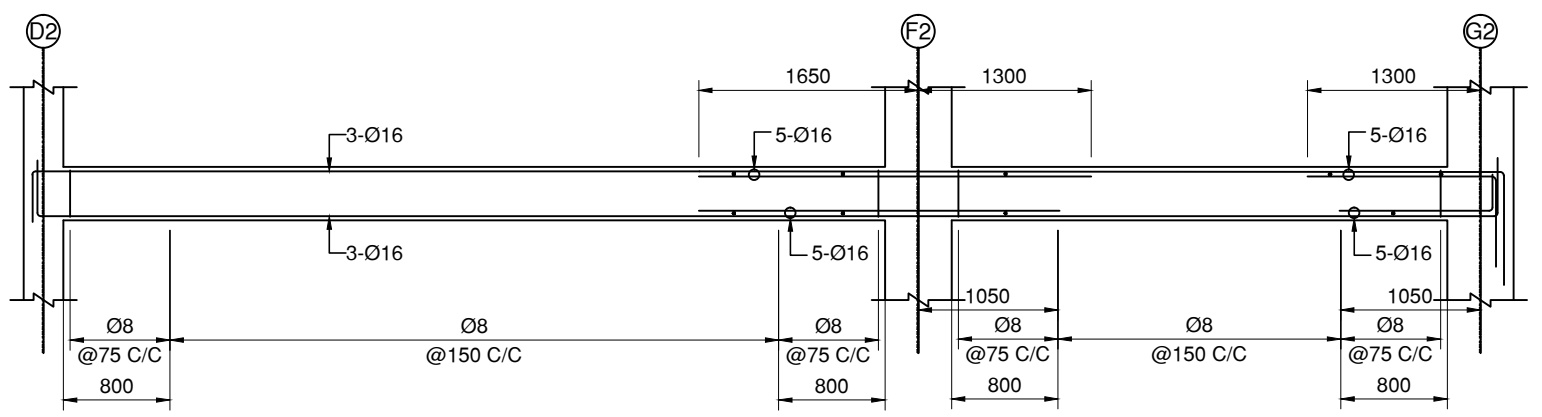
SCALE 1:100 SHEET NO. STR/02A DATE:23/12/2022



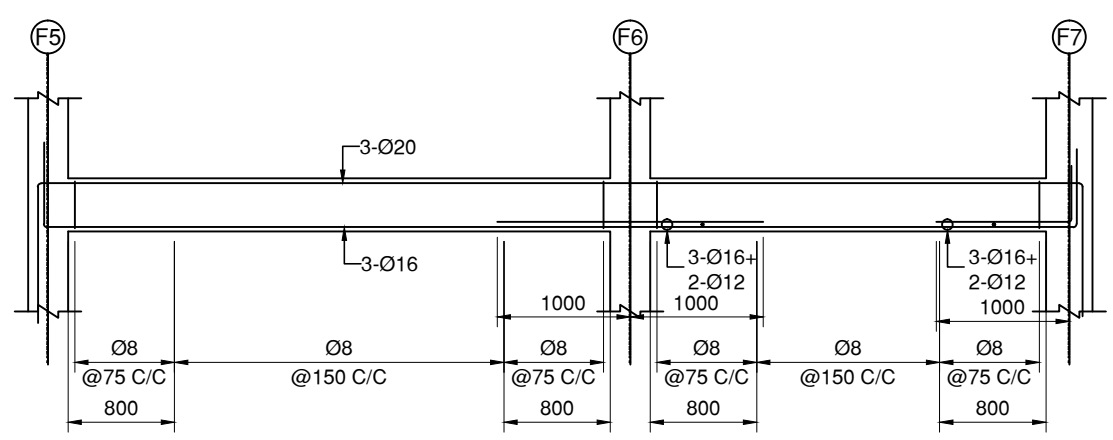
REINFORCEMENT DETAIL OF BEAM MKD.PB-26 (250X400)



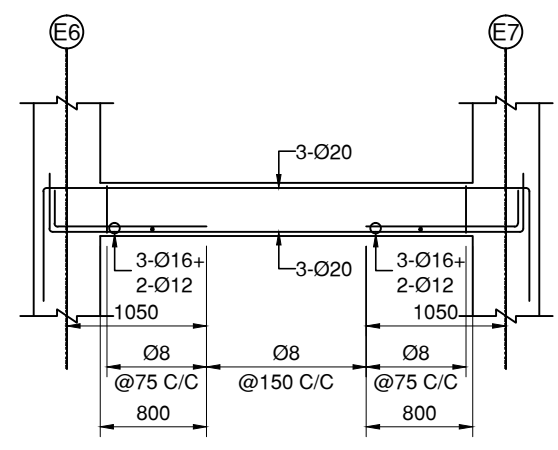
REINFORCEMENT DETAIL OF BEAM MKD.PB-24 (250X400)



REINFORCEMENT DETAIL OF BEAM MKD.PB-22 (250X400)

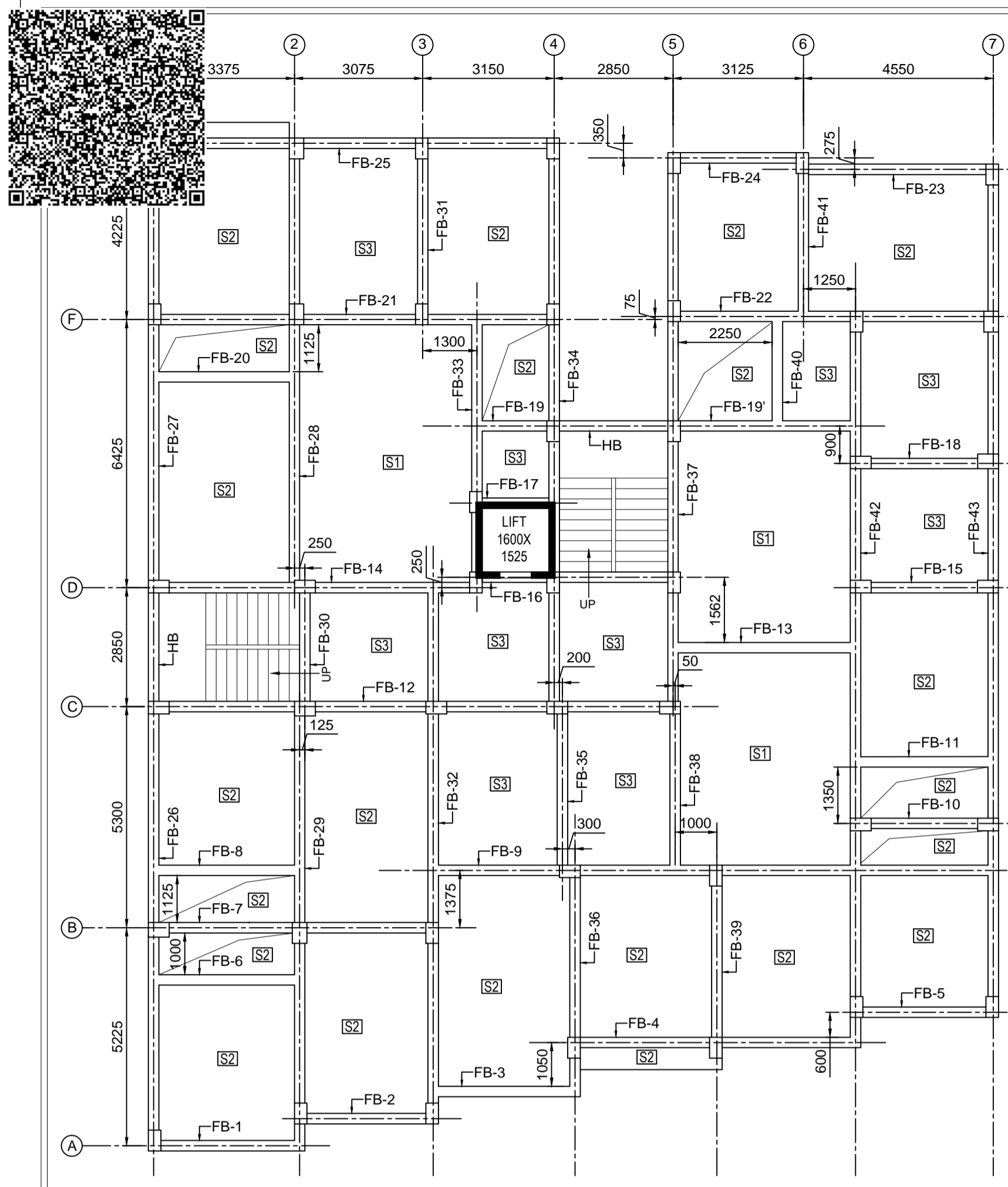


REINFORCEMENT DETAIL OF BEAM MKD.PB-17 (250X400)

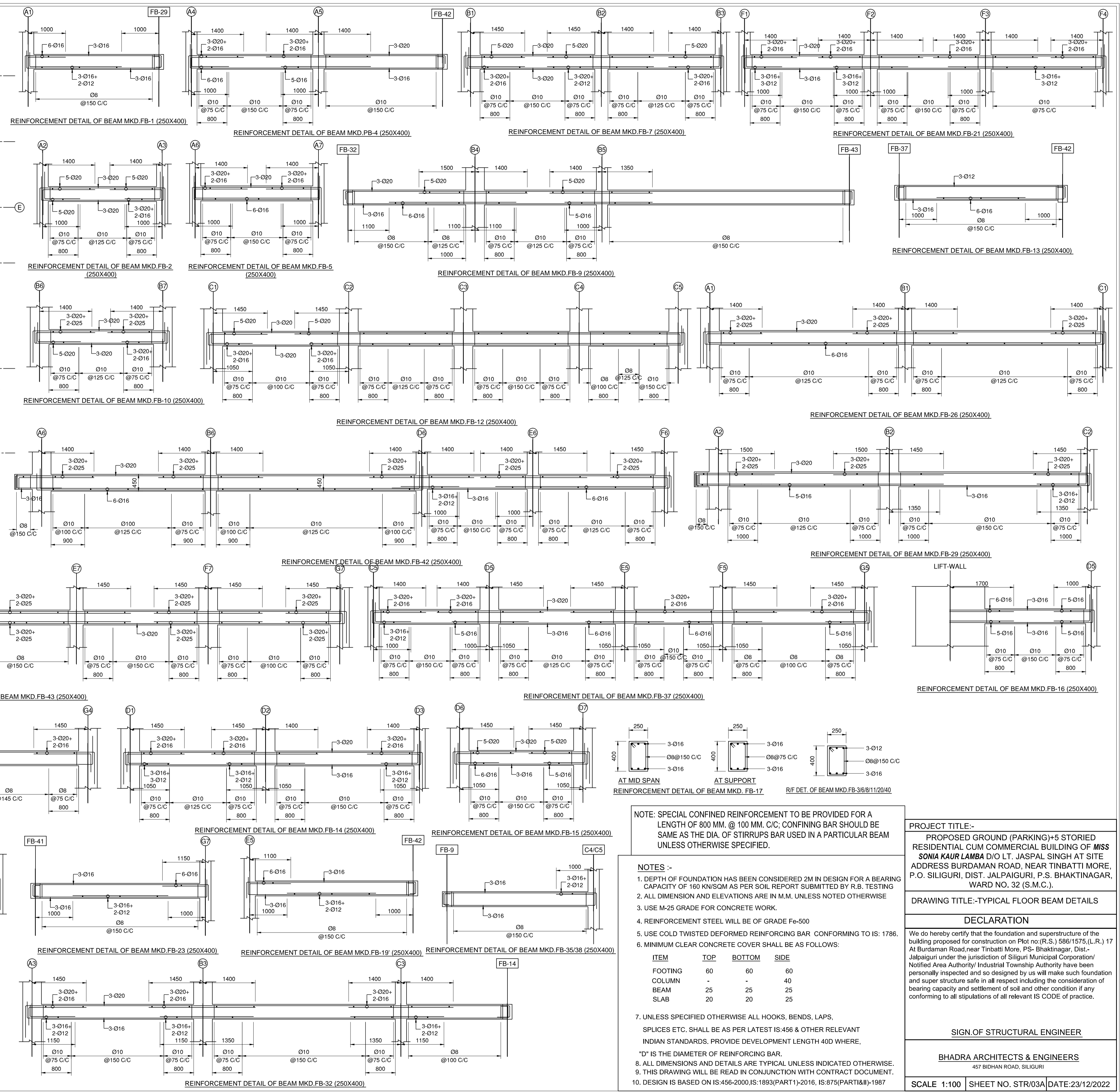


REINFORCEMENT DETAIL OF BEAM MKD.PB-14 (250X400)

PROJECT TITLE:-		
PROPOSED GROUND (PARKING)+5 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF <b>MISS SONIA KAUR LAMBA</b> D/O LT. JASPAL SINGH AT SITE ADDRESS BURDAMAN ROAD, NEAR TINBATTI MORE, P.O. SILIGURI, DIST. JALPAIGURI, P.S. BHAKTINAGAR, WARD NO. 32 (S.M.C.).		
DRAWING TITLE:-PLINTH BEAM DETAILS EXCLUDING DETAILS PROVIDED IN STR/02A		
<b>DECLARATION</b>		
We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no:(R.S.) 586/1575,(L.R.) 17 At Burdaman Road,near Tinbatti More, PS- Bhaktinagar, Dist.- Jalpaiguri under the jurisdiction of Siliguri Municipal Corporation/ Notified Area Authority/ Industrial Township Authority have been personally inspected and so designed by us will make such foundation and super structure safe in all respect including the consideration of bearing capacity and settlement of soil and other condition if any conforming to all stipulations of all relevant IS CODE of practice.		
<b>SIGN.OF STRUCTURAL ENGINEER</b>		
<b>BHADRA ARCHITECTS &amp; ENGINEERS</b> 457 BIDHAN ROAD, SILIGURI		
SCALE 1:100	SHEET NO. STR/02B	DATE:23/12/2022



STRUCTURAL ARRANGEMENT OF TYPICAL FLOOR  
SCALE - 1:100



NOTE: SPECIAL CONFINED REINFORCEMENT TO BE PROVIDED FOR A LENGTH OF 800 MM. @ 100 MM. C/C; CONFINING BAR SHOULD BE SAME AS THE DIA. OF STIRRUPS BAR USED IN A PARTICULAR BEAM UNLESS OTHERWISE SPECIFIED.

- NOTES :-
- DEPTH OF FOUNDATION HAS BEEN CONSIDERED 2M IN DESIGN FOR A BEARING CAPACITY OF 160 KN/SQM AS PER SOIL REPORT SUBMITTED BY R.B. TESTING
  - ALL DIMENSION AND ELEVATIONS ARE IN M.M. UNLESS NOTED OTHERWISE
  - USE M-25 GRADE FOR CONCRETE WORK.
  - REINFORCEMENT STEEL WILL BE OF GRADE Fe-500
  - USE COLD TWISTED DEFORMED REINFORCING BAR CONFORMING TO IS: 1786.
  - MINIMUM CLEAR CONCRETE COVER SHALL BE AS FOLLOWS:
- | ITEM    | TOP | BOTTOM | SIDE |
|---------|-----|--------|------|
| FOOTING | 60  | 60     | 60   |
| COLUMN  | -   | -      | 40   |
| BEAM    | 25  | 25     | 25   |
| SLAB    | 20  | 20     | 25   |
- UNLESS SPECIFIED OTHERWISE ALL HOOKS, BENDS, LAPS, SPLICES ETC. SHALL BE AS PER LATEST IS:456 & OTHER RELEVANT INDIAN STANDARDS. PROVIDE DEVELOPMENT LENGTH 40D WHERE, "D" IS THE DIAMETER OF REINFORCING BAR.
  - ALL DIMENSIONS AND DETAILS ARE TYPICAL UNLESS INDICATED OTHERWISE.
  - THIS DRAWING WILL BE READ IN CONJUNCTION WITH CONTRACT DOCUMENT.
  - DESIGN IS BASED ON IS:456-2000; IS:1893(PART1)-2016; IS:875(PARTII)-1987

PROJECT TITLE:-  
PROPOSED GROUND (PARKING)+5 STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF MISS SONIA KAUR LAMBA D/O LT. JASPAL SINGH AT SITE ADDRESS BURDAMAN ROAD, NEAR TINBATTI MORE, P.O. SILIGURI, DIST. JALPAIGURI, P.S. BHAKTINAGAR, WARD NO. 32 (S.M.C.).

DRAWING TITLE:-TYPICAL FLOOR BEAM DETAILS

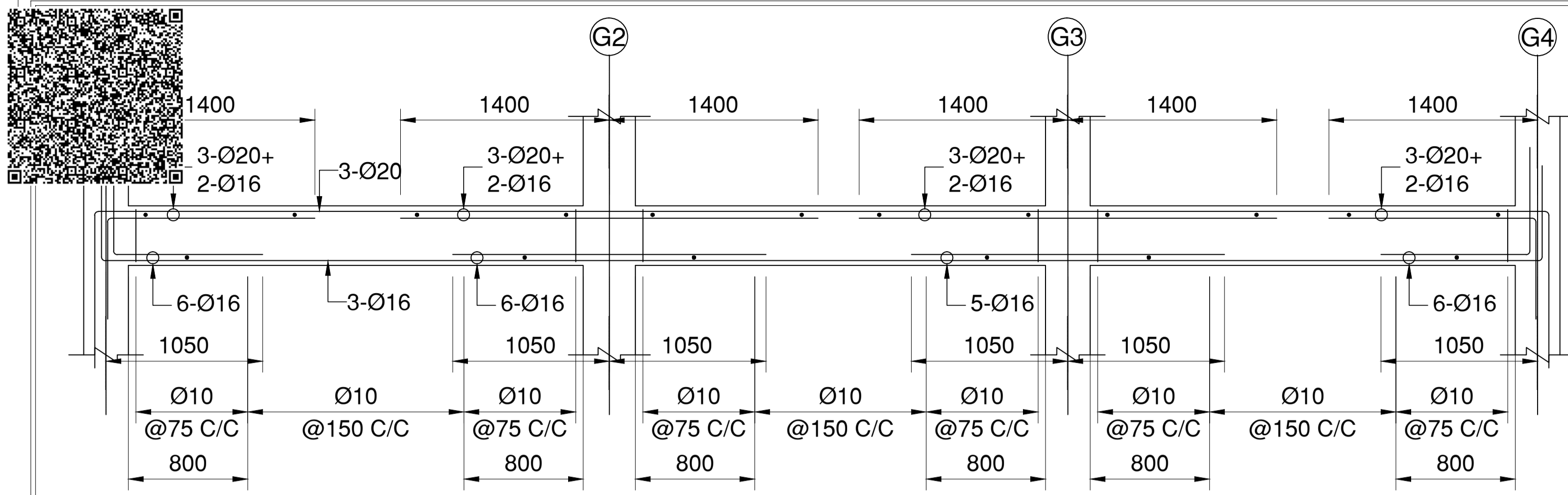
DECLARATION

We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no.(R.S.) 586/1575.(L.R.) 17 At Burdaman Road near Tinbatti More, PS- Bhaktinagar, Dist- Jalpaiguri under the jurisdiction of Siliguri Municipal Corporation/ Notified Area Authority/ Industrial Township Authority have been personally inspected and so designed by us will make such foundation and super structure safe in all respect including the consideration of bearing capacity and settlement of soil and other condition if any conforming to all stipulations of all relevant IS CODE of practice.

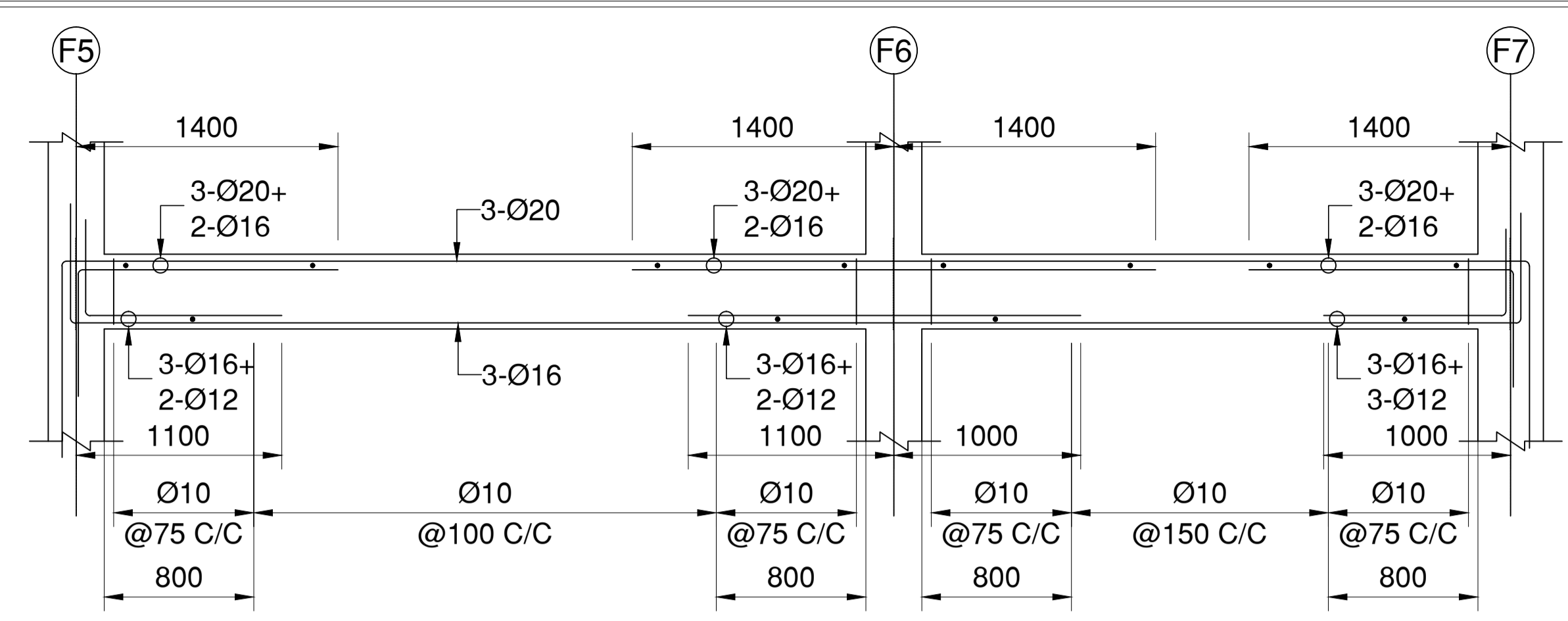
SIGN OF STRUCTURAL ENGINEER

BHADRA ARCHITECTS & ENGINEERS  
457 BIDHAN ROAD, SILIGURI

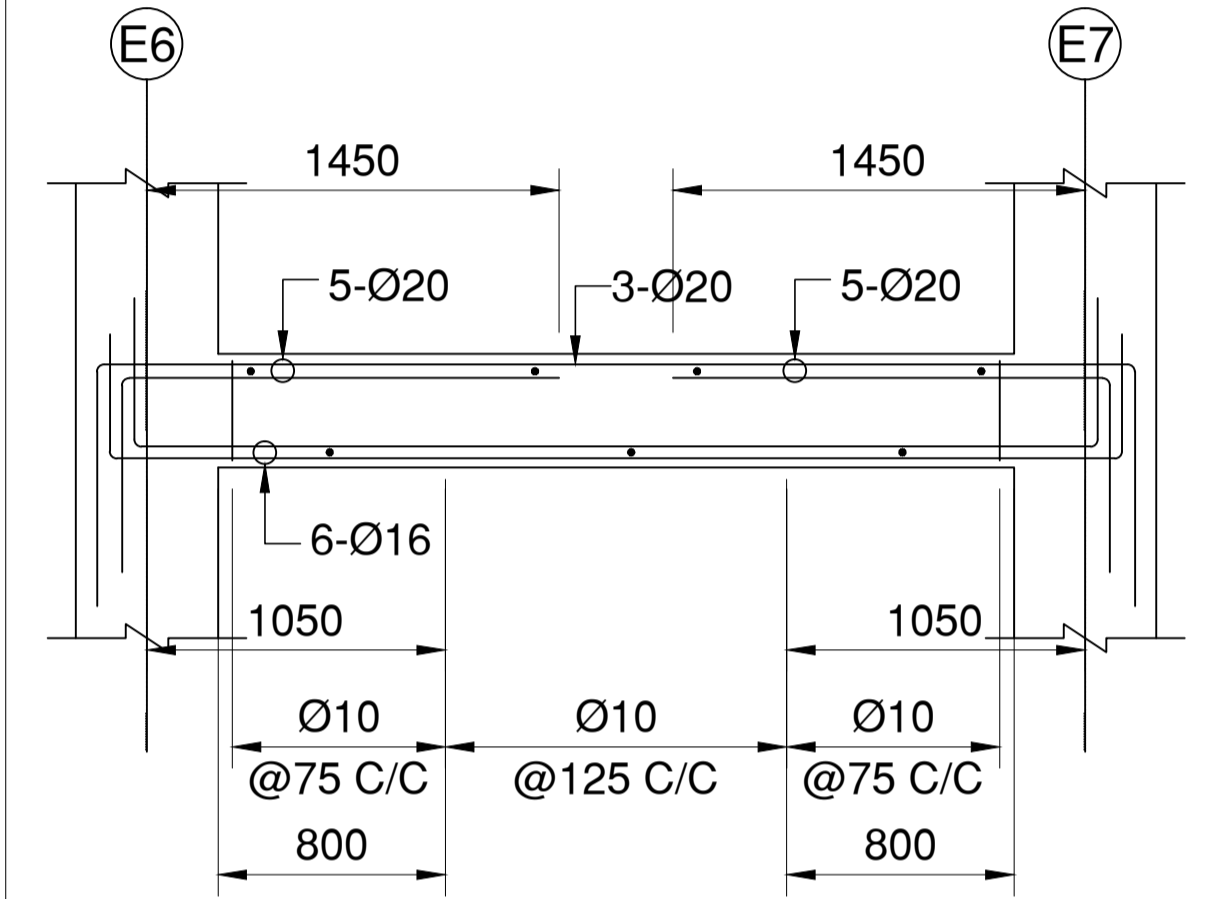
SCALE 1:100 SHEET NO. STR/03A DATE:23/12/2022



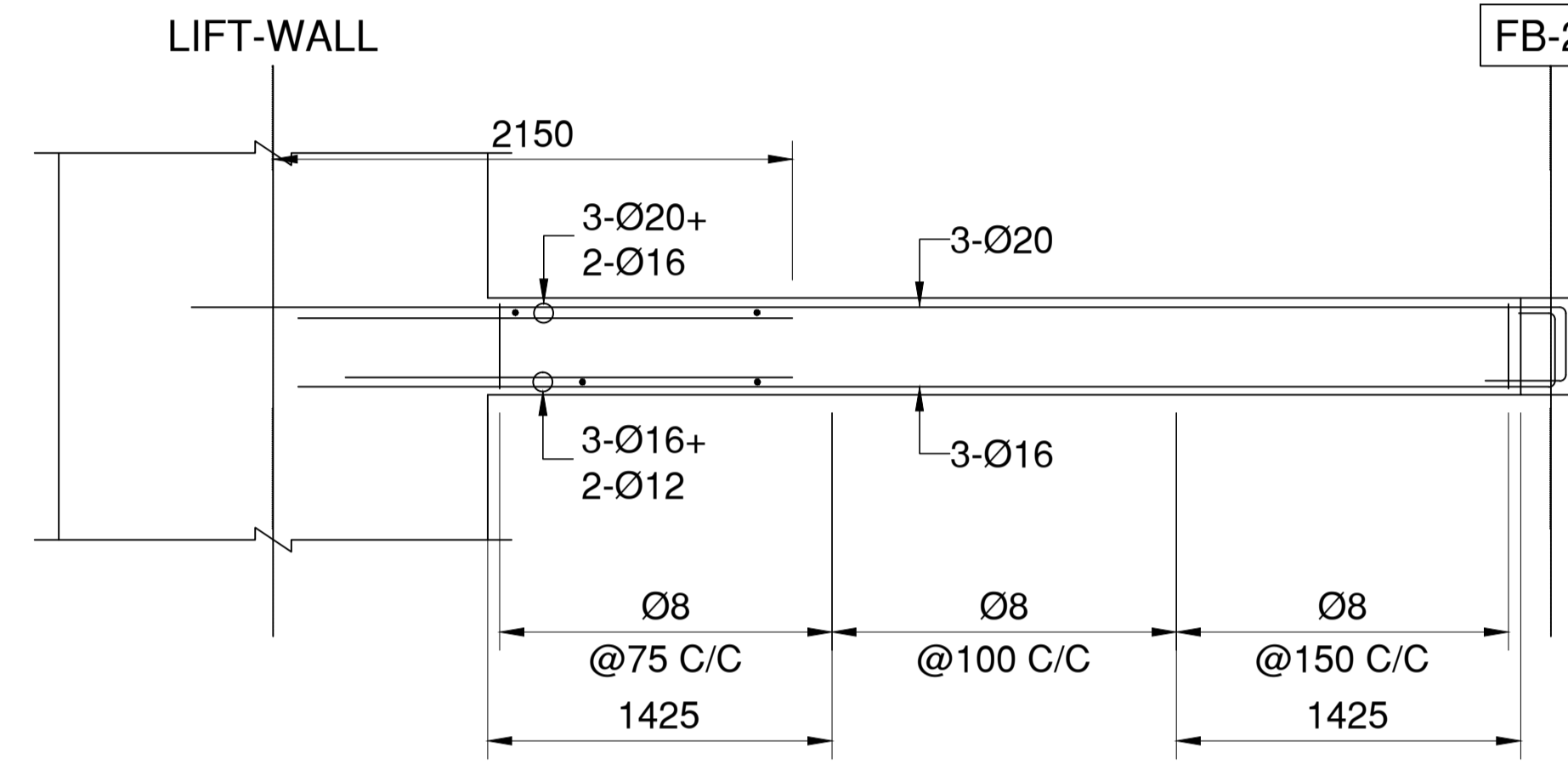
REINFORCEMENT DETAIL OF BEAM MKD.FB-25 (250X400)



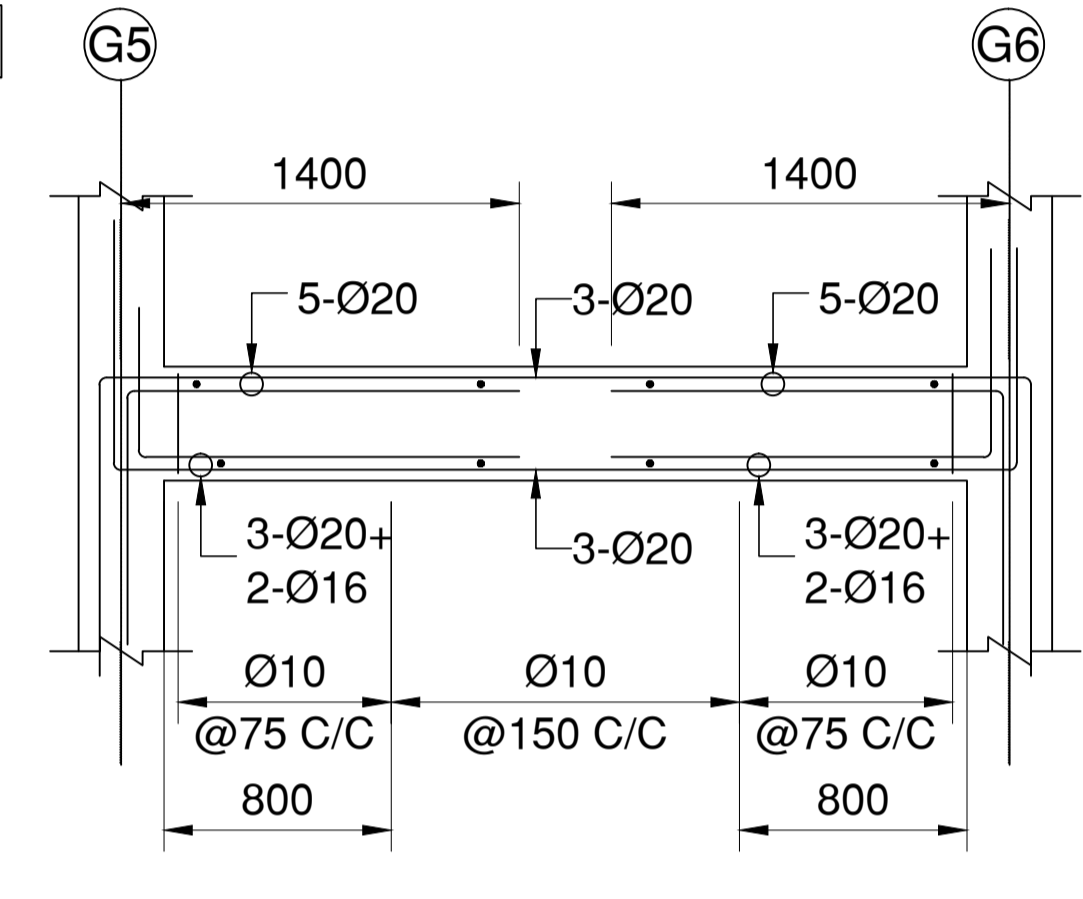
REINFORCEMENT DETAIL OF BEAM MKD.FB-22 (250X400)



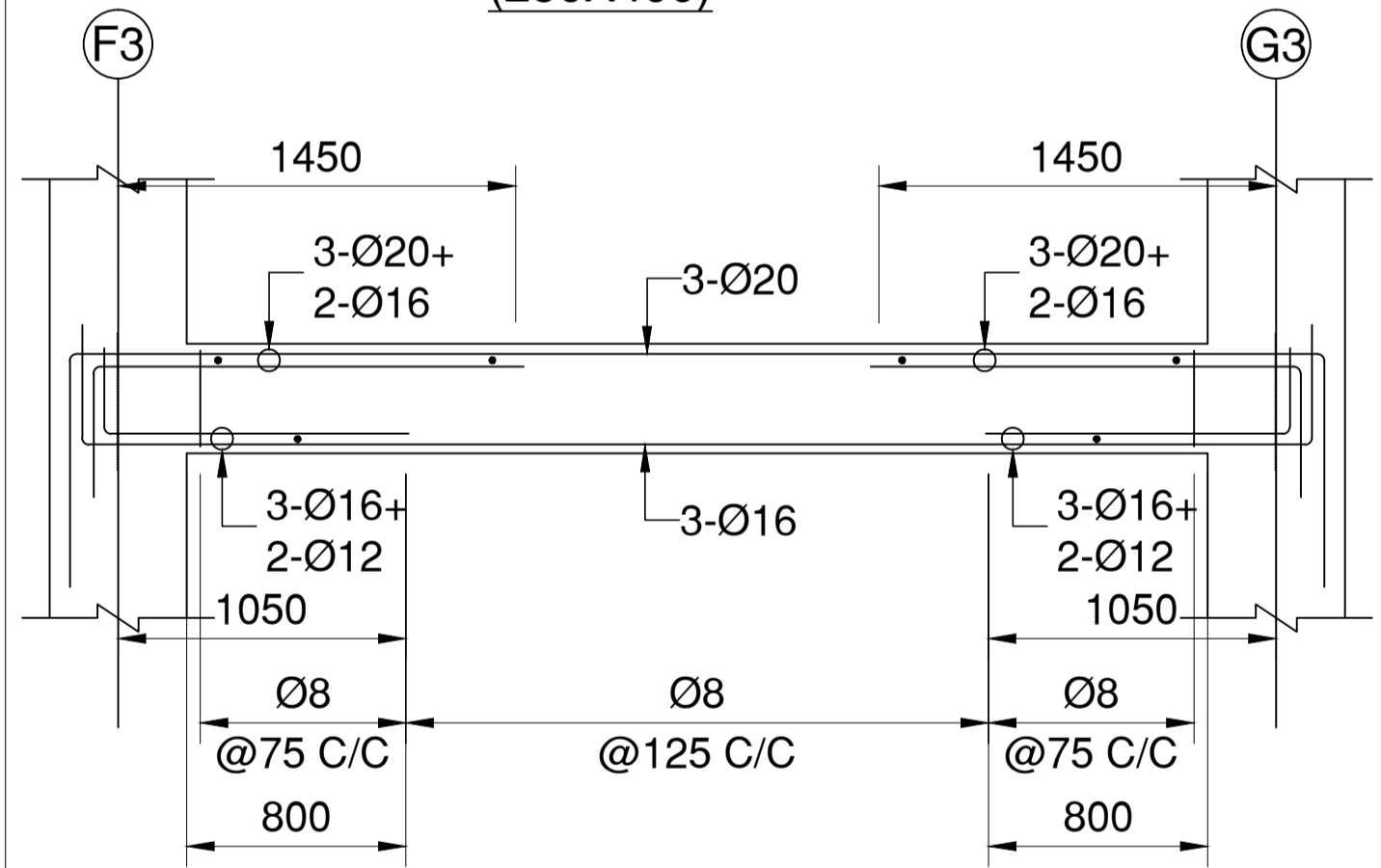
REINFORCEMENT DETAIL OF BEAM MKD.FB-18 (250X400)



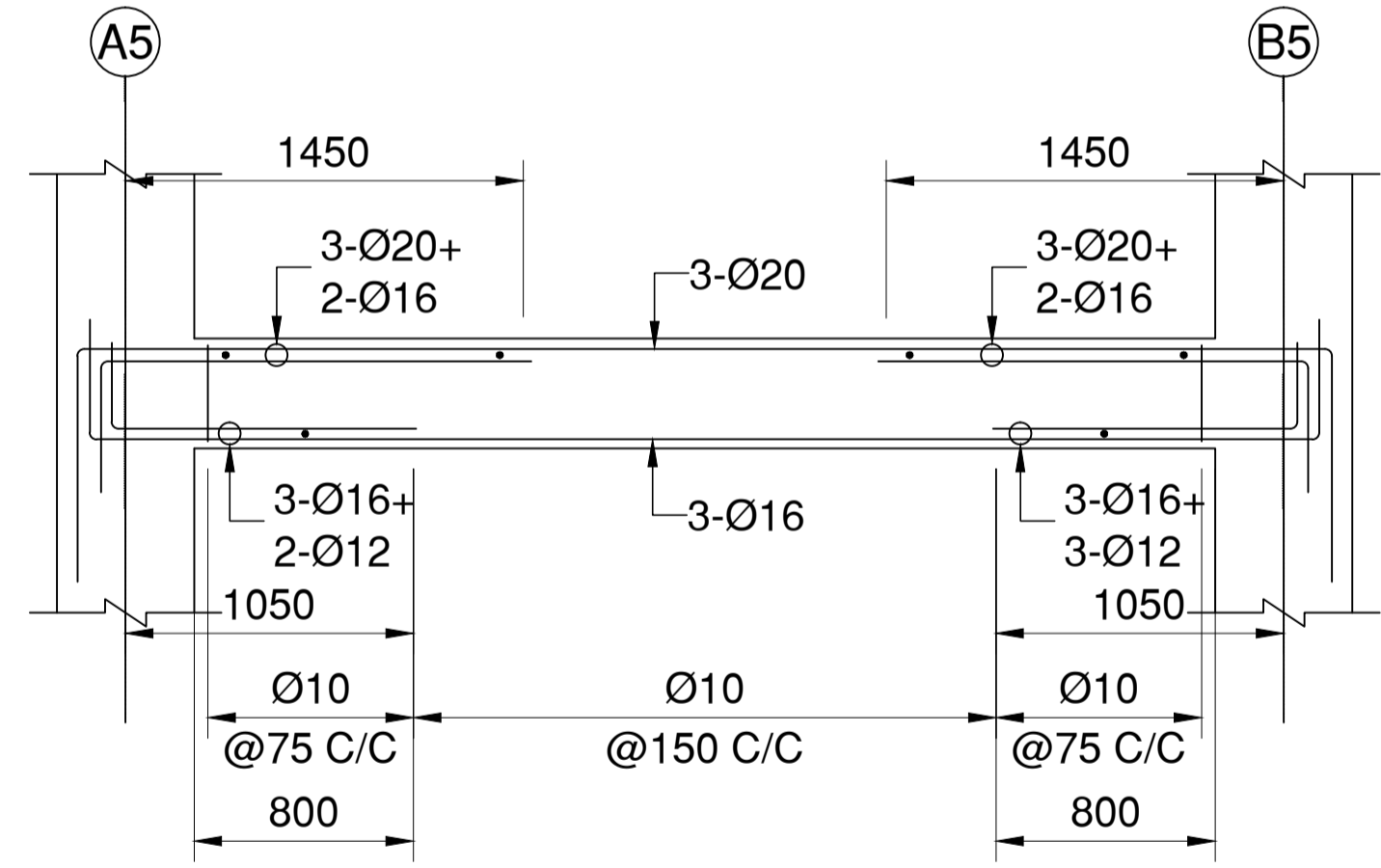
REINFORCEMENT DETAIL OF BEAM MKD.FB-33 (250X400)



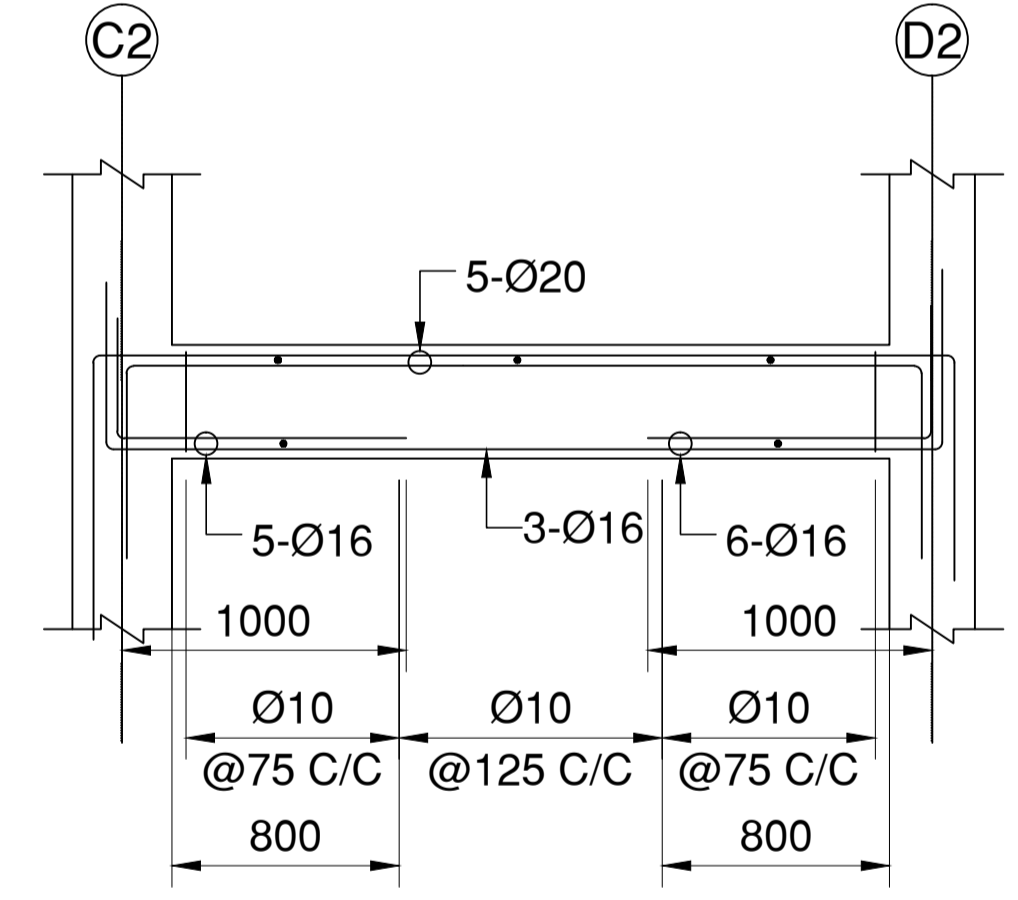
REINFORCEMENT DETAIL OF BEAM MKD.FB-24 (250X400)



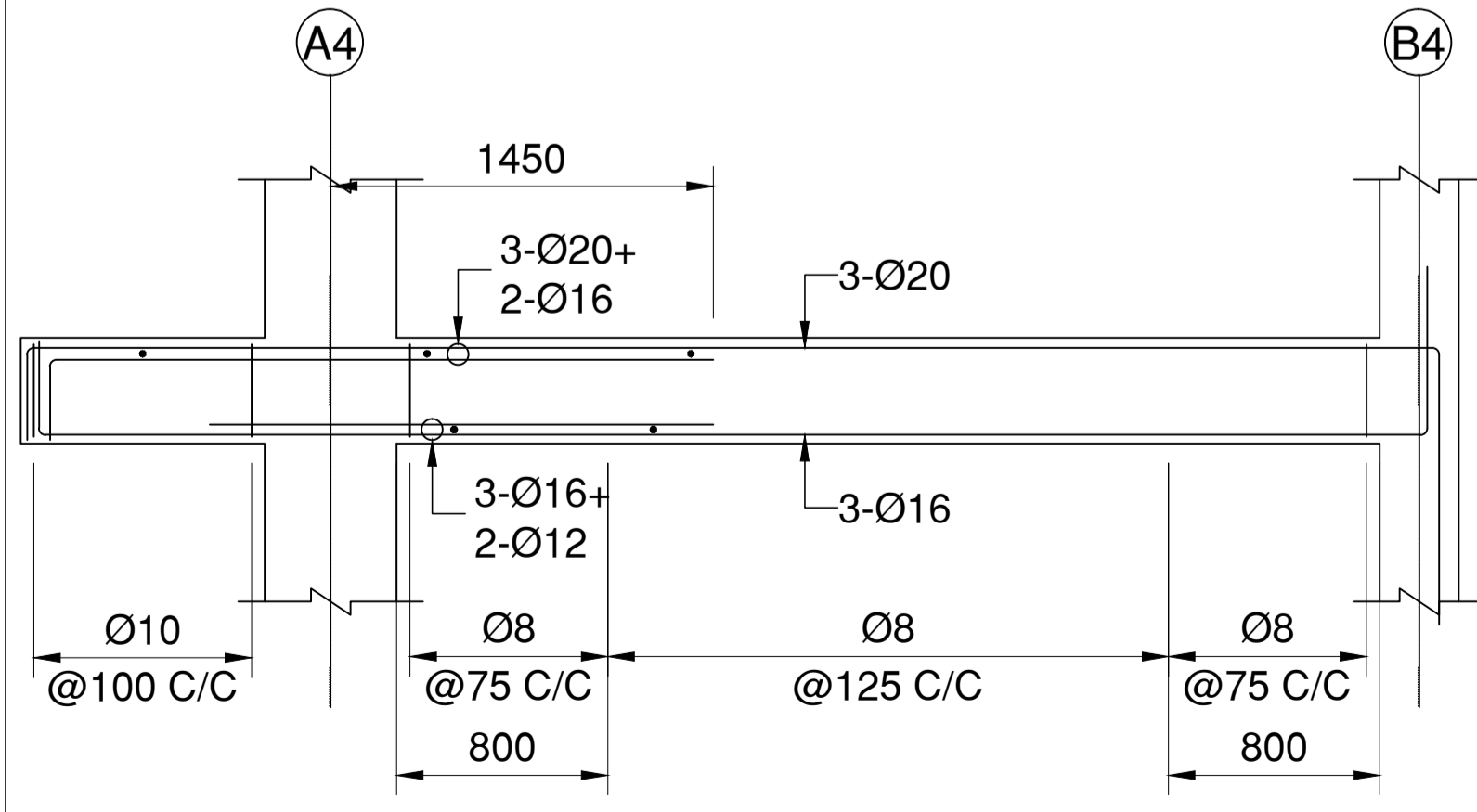
REINFORCEMENT DETAIL OF BEAM MKD.FB-31 (250X400)



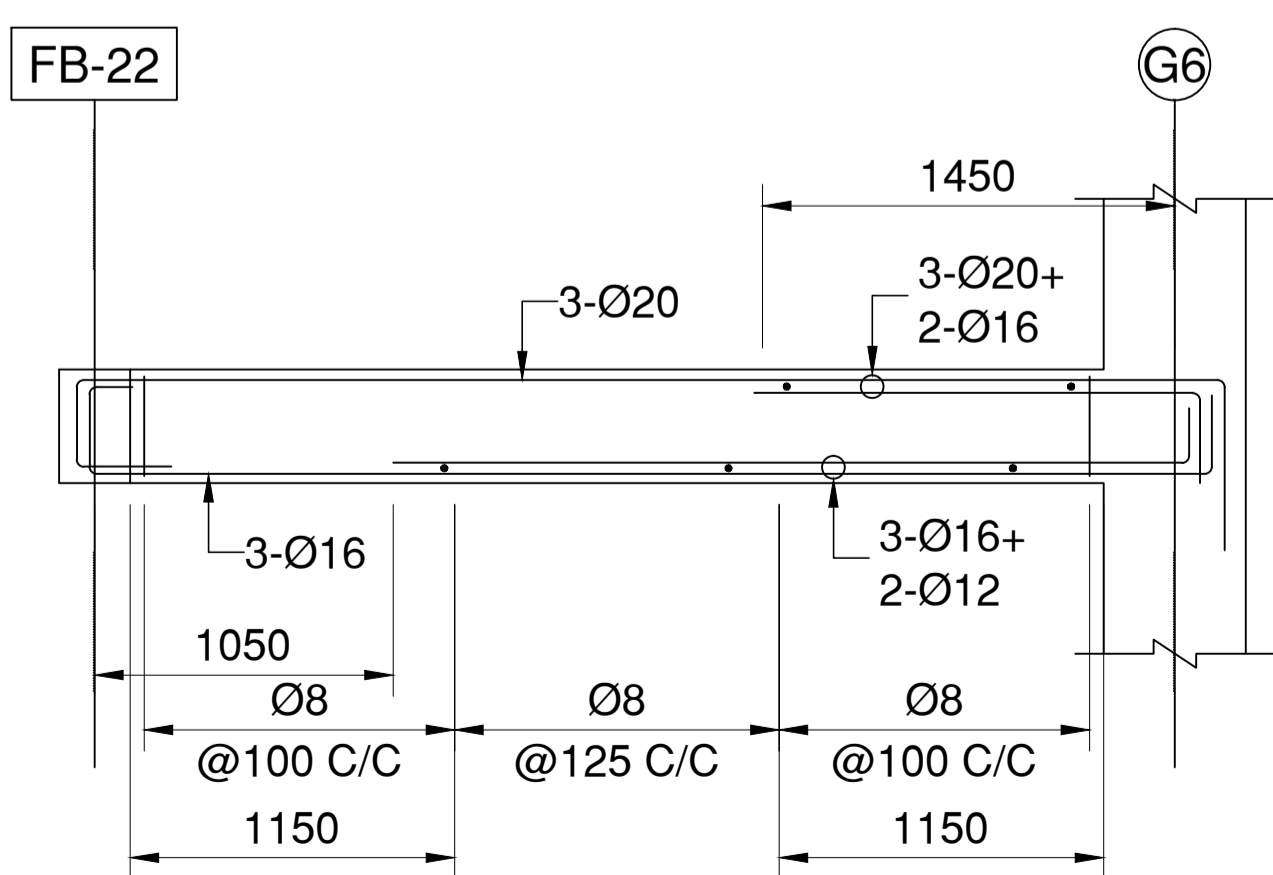
REINFORCEMENT DETAIL OF BEAM MKD.FB-39 (250X400)



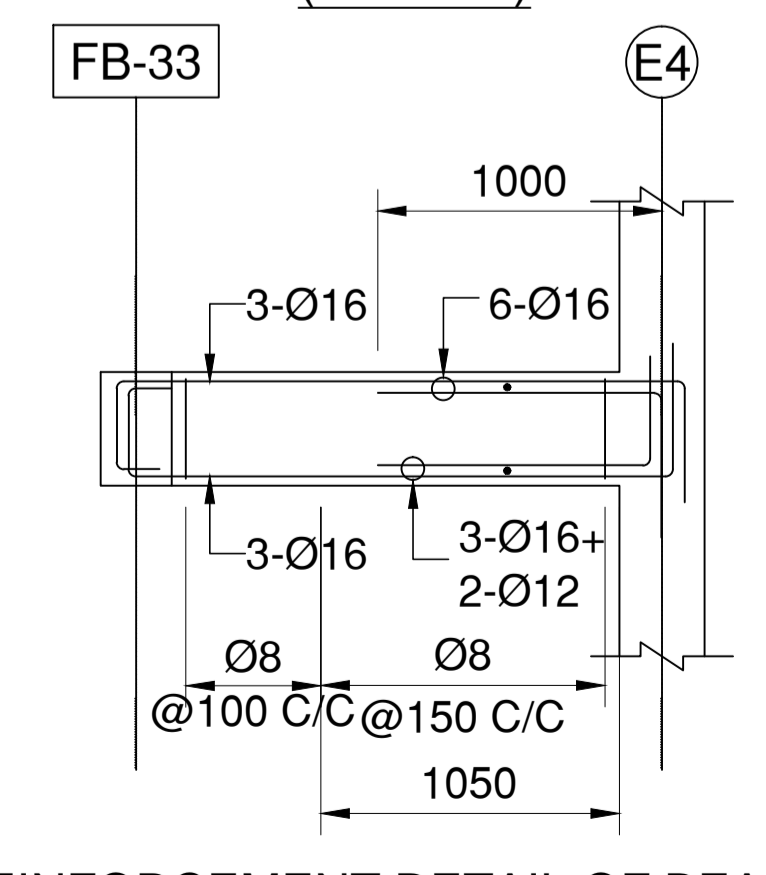
REINFORCEMENT DETAIL OF BEAM MKD.FB-30 (250X400)



REINFORCEMENT DETAIL OF BEAM MKD.FB-36 (250X400)



REINFORCEMENT DETAIL OF BEAM MKD.FB-41 (250X400)



REINFORCEMENT DETAIL OF BEAM MKD.FB-19 (250X400)

**PROJECT TITLE:-**  
 PROPOSED GROUND (PARKING)+5 STORIED  
 RESIDENTIAL CUM COMMERCIAL BUILDING OF **MISS**  
**SONIA KAUR LAMBA** D/O LT. JASPAL SINGH AT SITE  
 ADDRESS BURDAMAN ROAD, NEAR TINBATTI MORE,  
 P.O. SILIGURI, DIST. JALPAIGURI, P.S. BHAKTINAGAR,  
 WARD NO. 32 (S.M.C.).

**DRAWING TITLE:-**TYPICAL FLOOR BEAM DETAILS  
 EXCLUDING DETAILS PROVIDED IN STR/03A

**DECLARATION**

We do hereby certify that the foundation and superstructure of the building proposed for construction on Plot no:(R.S.) 586/1575,(L.R.) 17 At Burdaman Road,near Tinbatti More, PS- Bhaktinagar, Dist.- Jalpaiguri under the jurisdiction of Siliguri Municipal Corporation/ Notified Area Authority/ Industrial Township Authority have been personally inspected and so designed by us will make such foundation and super structure safe in all respect including the consideration of bearing capacity and settlement of soil and other condition if any conforming to all stipulations of all relevant IS CODE of practice.

**SIGN.OF STRUCTURAL ENGINEER**

**BHADRA ARCHITECTS & ENGINEERS**  
 457 BIDHAN ROAD, SILIGURI

SCALE 1:100 SHEET NO. STR/03B DATE:23/12/2022