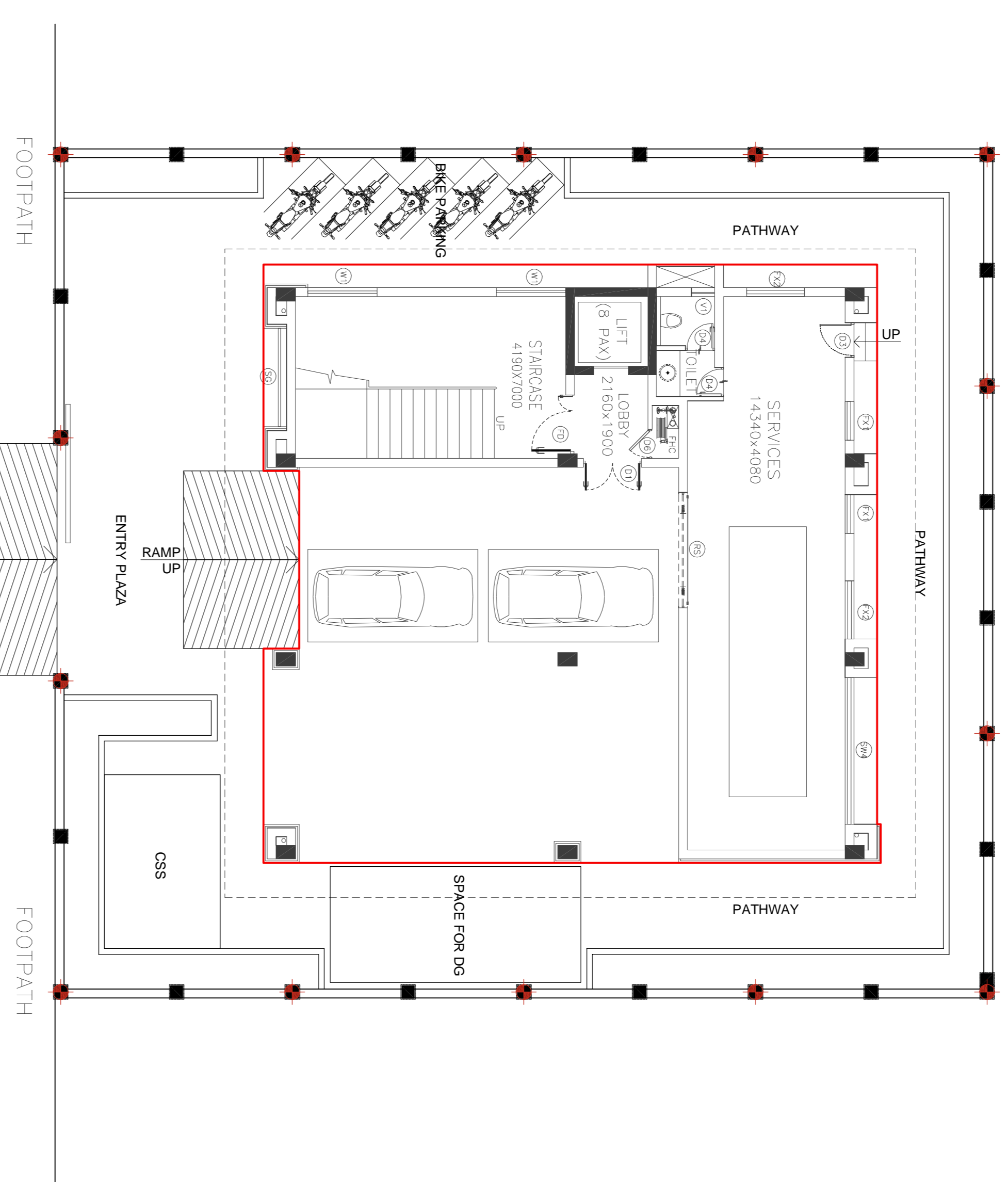


P3 HARDSCAPE PLAN
SCALE - 1:100



P4 LIGHTING PLAN
SCALE - 1:100

HARDSCAPE LEGEND

SR	SYMBOL	DESCRIPTION	QUANTITY
1.	[Symbol]	Interlocking 60mm thick Concrete pavers (Dark Gray)	75 sqm
2.	[Symbol]	Interlocking 60mm thick Concrete pavers Brick pavers (Light Gray)	70 sqm
3.	[Symbol]	Interlocking 60mm thick Concrete pavers Brick pavers (Red)	10 sqm
4.	[Symbol]	Polished Black Granite (150 mm wide band)	20 sqm
5.	[Symbol]	Flamed Granite (18mm thick)	50 sqm
6.	[Symbol]	Polished Tan Brown Granite (25mm thick)	30 sqm

LIGHTING LEGEND

SR	SYMBOL	DESCRIPTION	QUANTITY
1.	[Symbol]	GATE LIGHT	14 NOS.

GOOD FOR CONSTRUCTION

DO NOT SCALE

P: PRELIMINARY ISSUES ARE NOT TO BE USED FOR CONSTRUCTION. FABRICATION WORK IS PERMITTED ON R: BLOCK ABOVE THIS BLOCK.
CONSTRUCTION / FABRICATION WORK IS PERMITTED ON R: RELEASED) ISSUES ONLY.
INFORMATION CONTAINED WITHIN HOLD IS NOT RELEASED. DESIGN OFFICE TO CLEAR HOLDS IN THE BEFORE PROCEEDING WITH ANY CONSTRUCTION / FABRICATION WORK RELATED TO HOLDS.
Proprietary rights of the information contained herein belong to TCE. This is in case of misuse of information and any claim relating thereof, cost and consequences will be on the party misusing the information.

FILE NAME : TCE.10477A-AC-1007-LP-10402-R0

ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PL	HW	EXT	LS	PE/PM	APPD	DATE
SIGN.														
INITIALS														
REVISIONS														
SIGN.														
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REVISIONS														
SIGN.														
INITIALS														

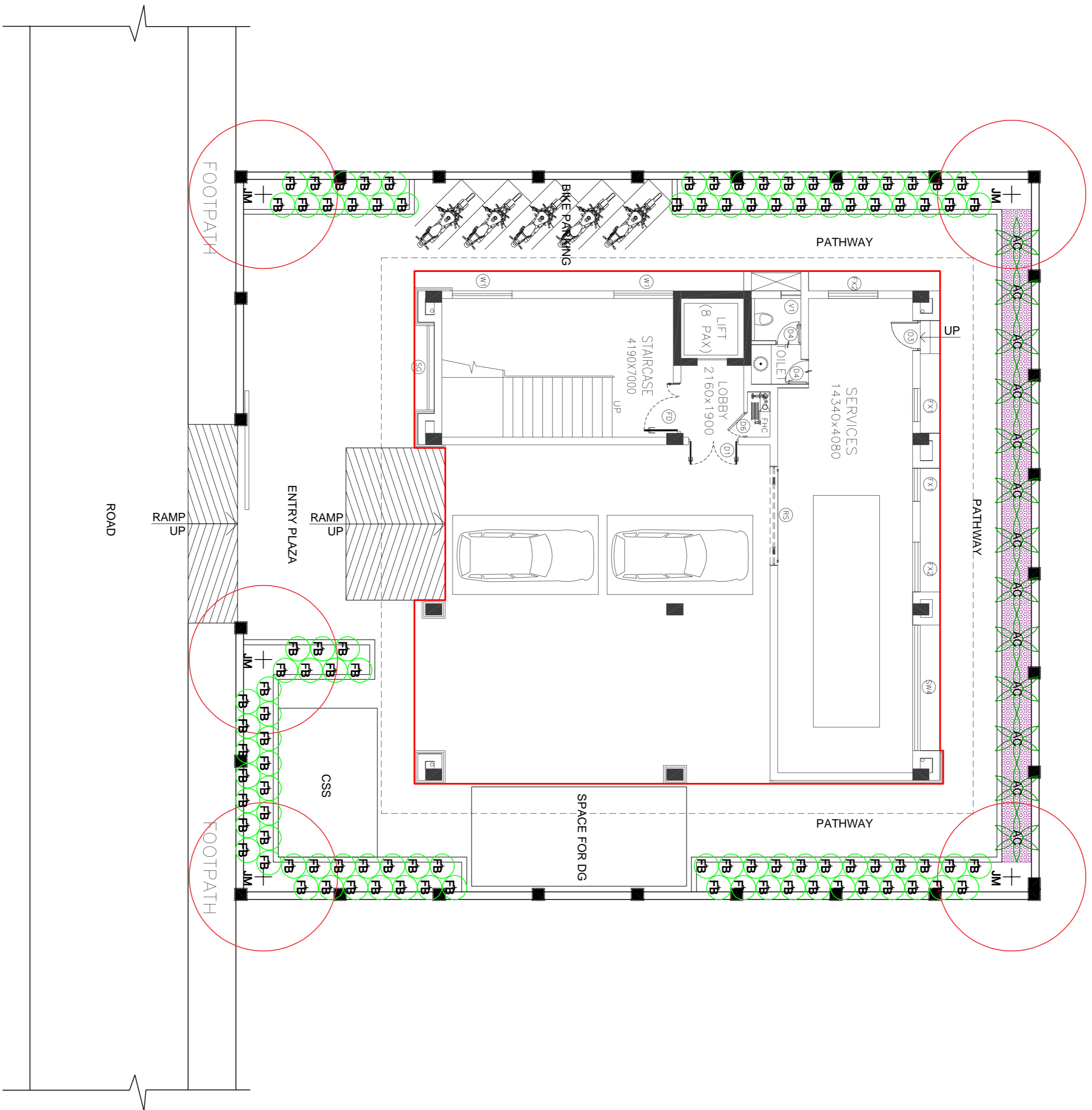
GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

HARDSCAPE PLAN AND LIGHTING PLAN

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : 1:100
DWG NO. TCE.10477A-LP-1018-LP-10402
DC & DISC: DEL-AC

ISSUE: R0
TCE FORM NO. 091 R0



P5 LANDSCAPE PLANTING PLAN
 SCALE: 1:100

SOFTSCAPE LEGEND

Sr.	SYMBOL	DESCRIPTION	QUANTITY
1.	JM	Jacaranda mimrosifolia	05 Nos.
2.	FB	Ficus Benjamina	95 Nos.
3.	AP	Areca palm	13 Nos.
4.	GC	Raphis excelsa	18 Sqm.

**GOOD FOR CONSTRUCTION
 DO NOT SCALE**

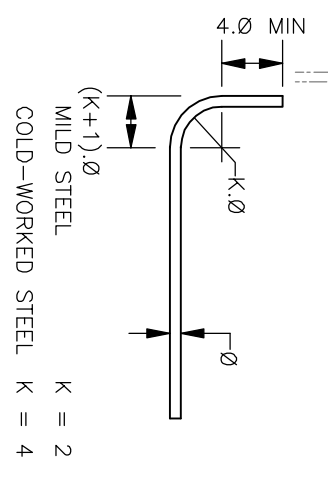
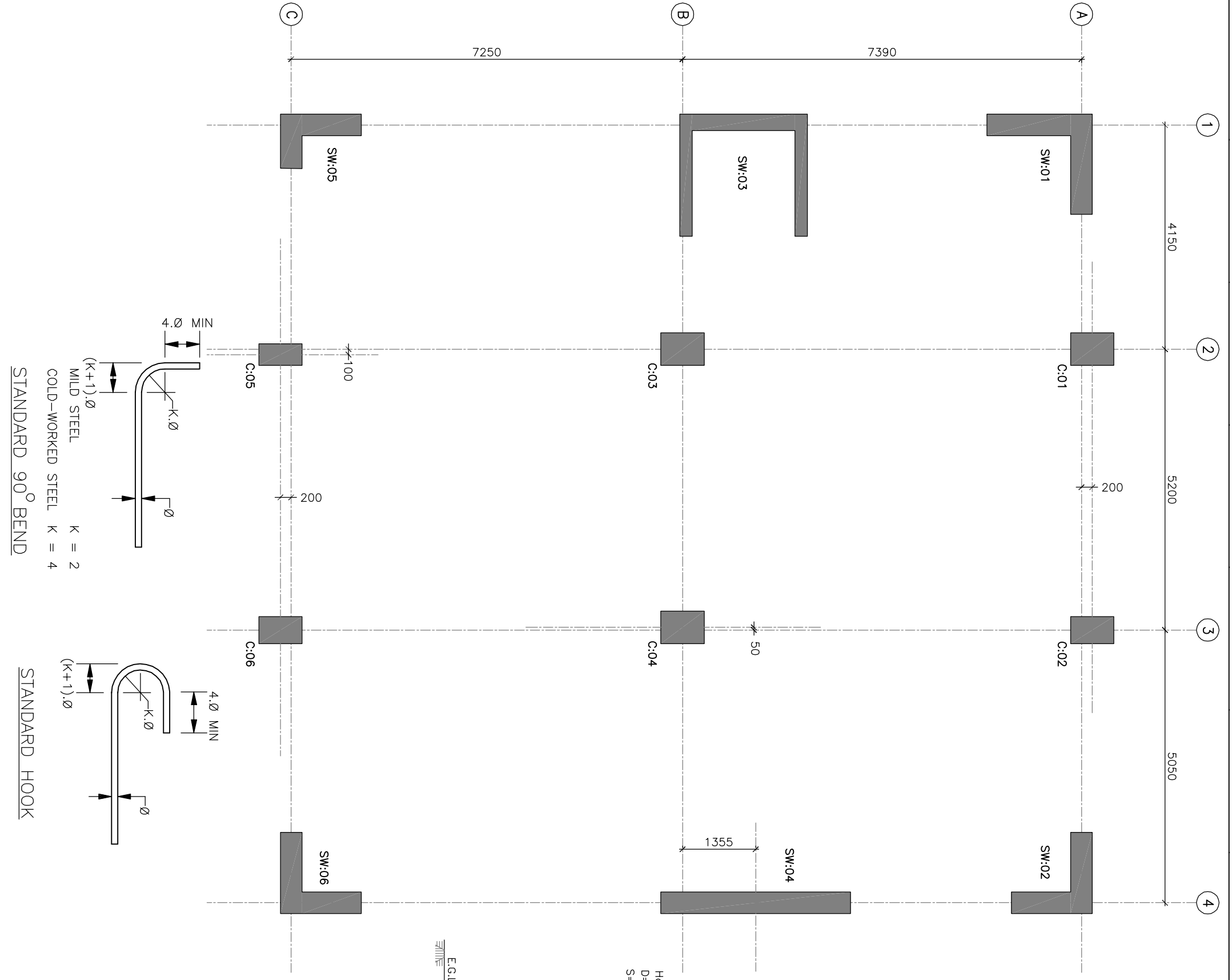
* PRELIMINARY ISSUES ARE NOT TO BE USED FOR CONSTRUCTION. FABRICATION WORK IS PERMITTED ON R. BLOCK ABOVE THIS BLOCK.
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ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PL	HW	EXT	LS	PE/PM	APPD	DATE
SIGN.														
INITIALS														
REVISIONS														
SIGN.														
INITIALS														
REVISIONS														

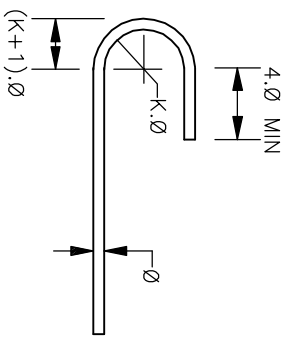
GUWAHATI SMART CITY LIMITED
 SMART CITY MISSION GUWAHATI
 LANDSCAPE PLANTING PLAN - TREES,
 SHRUBS AND GROUNDCOVER

TATA CONSULTING ENGINEERS LIMITED
 MUMBAI

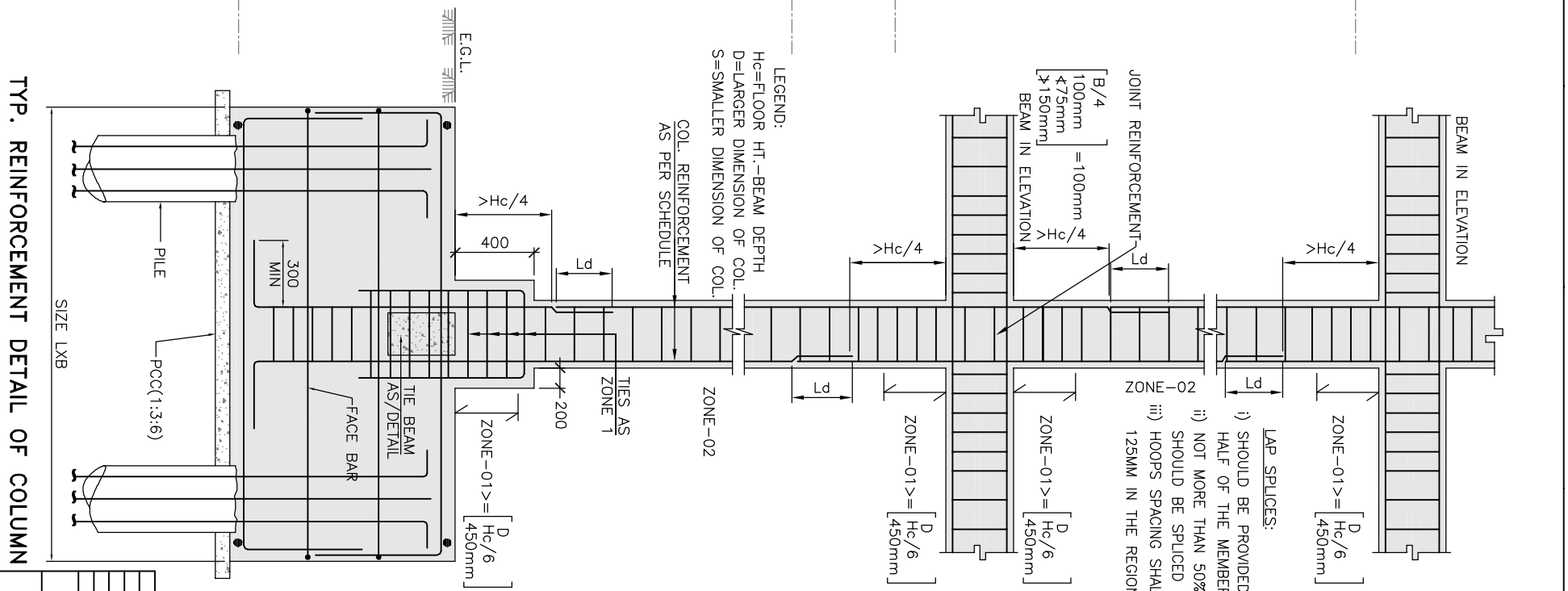
CIVIL DRAWINGS



STANDARD 90° BEND

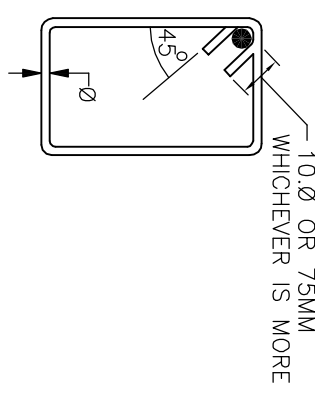


STANDARD HOOK



TYP. REINFORCEMENT DETAIL OF COLUMN

TYP. DETAIL OF TIES



LEGEND:

Hc=FLOOR HT.-BEAM DEPTH
D=LARGER DIMENSION OF COL.
S=SMALLER DIMENSION OF COL.

JOINT REINFORCEMENT:

$\left[\begin{matrix} B/4 \\ 100\text{mm} \\ < 75\text{mm} \\ > 150\text{mm} \end{matrix} \right] = 100\text{mm}$

BEAM IN ELEVATION

$\left[\begin{matrix} D \\ Hc/6 \\ > Hc/4 \end{matrix} \right]$

$\left[\begin{matrix} D \\ Hc/6 \\ > Hc/4 \end{matrix} \right]$

BEAM IN ELEVATION

$\left[\begin{matrix} D \\ Hc/6 \\ > Hc/4 \end{matrix} \right]$

BEAM IN ELEVATION

$\left[\begin{matrix} D \\ Hc/6 \\ > Hc/4 \end{matrix} \right]$

BEAM IN ELEVATION

$\left[\begin{matrix} D \\ Hc/6 \\ > Hc/4 \end{matrix} \right]$

$\left[\begin{matrix} D \\ Hc/6 \\ > Hc/4 \end{matrix} \right]$

LAP SPLICES:

i) SHOULD BE PROVIDED IN THE CENTRAL HALF OF THE MEMBER LENGTH.

ii) NOT MORE THAN 50% OF THE BARS SHOULD BE SPLICED AT ONE SECTION.

iii) HOOKS SPACING SHALL NOT EXCEED 125MM IN THE REGION OF SPLICES.

- RELATED DRAWINGS:**
- TCE.10477A-CV-1007-RC-1002
 - TCE.10477A-CV-1007-RC-1003
 - TCE.10477A-CV-1007-RC-1004
 - TCE.10477A-CV-1007-RC-1005
 - TCE.10477A-CV-1007-RC-1006
 - TCE.10477A-CV-1007-RC-1007
 - TCE.10477A-CV-1007-RC-1008
 - TCE.10477A-CV-1007-RC-1009

- NOTES:**
- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 - ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 - GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 - GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING
 - LAP & ANCHORAGE SHALL BE 50 TIMES BAR DIA.
 - NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION.
 - USE SPACER BAR TO AVOID CONGESTION, WHEREVER NECESSARY.

TENDER PURPOSE ONLY

REVISIONS	NO.	DATE	BY	CHKD	APPD
INITIALS					
REVISIONS					
NO.		15.04.2020			
ISSUE	DRN	DSN	CHD	CV	EL
	IC	WE	PI	HW	EXT
	LS	FE/PM	APPD		
	CLEARED				

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
COLUMN LAYOUT (SHEET 1 / 9)

COLUMN SCHEDULE

LEVEL	COLM. MKD.	DESCRIPTION	SW:01	C:01	C:02	SW:02	SW:03	C:03	C:04	SW:04	SW:05	C:05	C:06	SW:06
UP TO GROUND FLOOR	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION
FOURTH FLOOR	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION
THIRD FLOOR	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION
SECOND FLOOR	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION
FIRST FLOOR	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION
GROUND FLOOR	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION
TOP OF PILE CAP	CONCRETE GRADE LONGITUDINAL BARS	A B C D	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION	REFER SECTION

- RELATED DRAWINGS:
- TCE:10477A-CV-1007-RC-1001
 - TCE:10477A-CV-1007-RC-1003
 - TCE:10477A-CV-1007-RC-1004
 - TCE:10477A-CV-1007-RC-1005
 - TCE:10477A-CV-1007-RC-1006
 - TCE:10477A-CV-1007-RC-1007
 - TCE:10477A-CV-1007-RC-1008
 - TCE:10477A-CV-1007-RC-1009

NOTES:

- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
- ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.

- GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
- GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
- THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED, THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

- DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - SLAB
 - SPANNING UP TO 4.5m : 7 DAYS
 - SPANNING OVER 4.5m : 14 DAYS
 - BEAM
 - SPANNING UP TO 6.0m : 14 DAYS
 - SPANNING OVER 6.0m : 21 DAYS

- CLEAR COVER TO THE MAIN REINFORCEMENT
 - FOUNDATION : 60mm
 - COLUMN UP TO PLINTH : 60mm
 - COLUMN ABOVE PLINTH : 40mm
 - BEAM : 25mm
 - WALL : 30mm
 - SLAB : 15-20mm

- LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
- NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
- USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
- ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

SIGN.	INITIALS	REGIONS	ISSUE	DRN	DSN	CHD	CV	EL	IC	WE	PL	HW	EXT	LS	FE/PM	APPD	DATE
																	15.04.2020

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

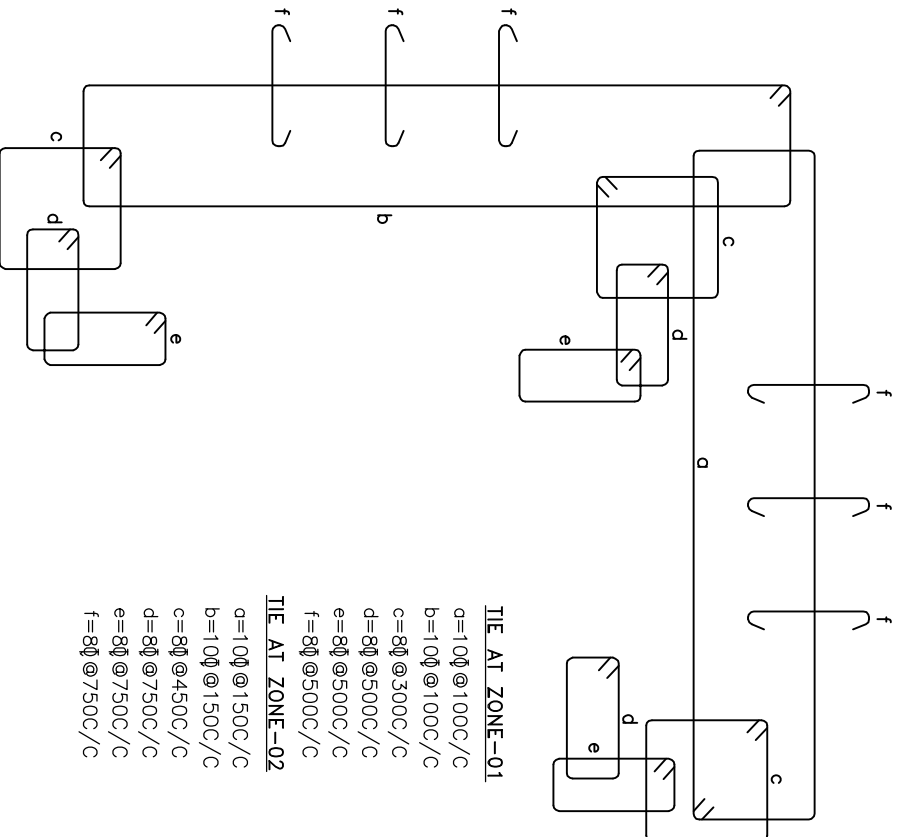
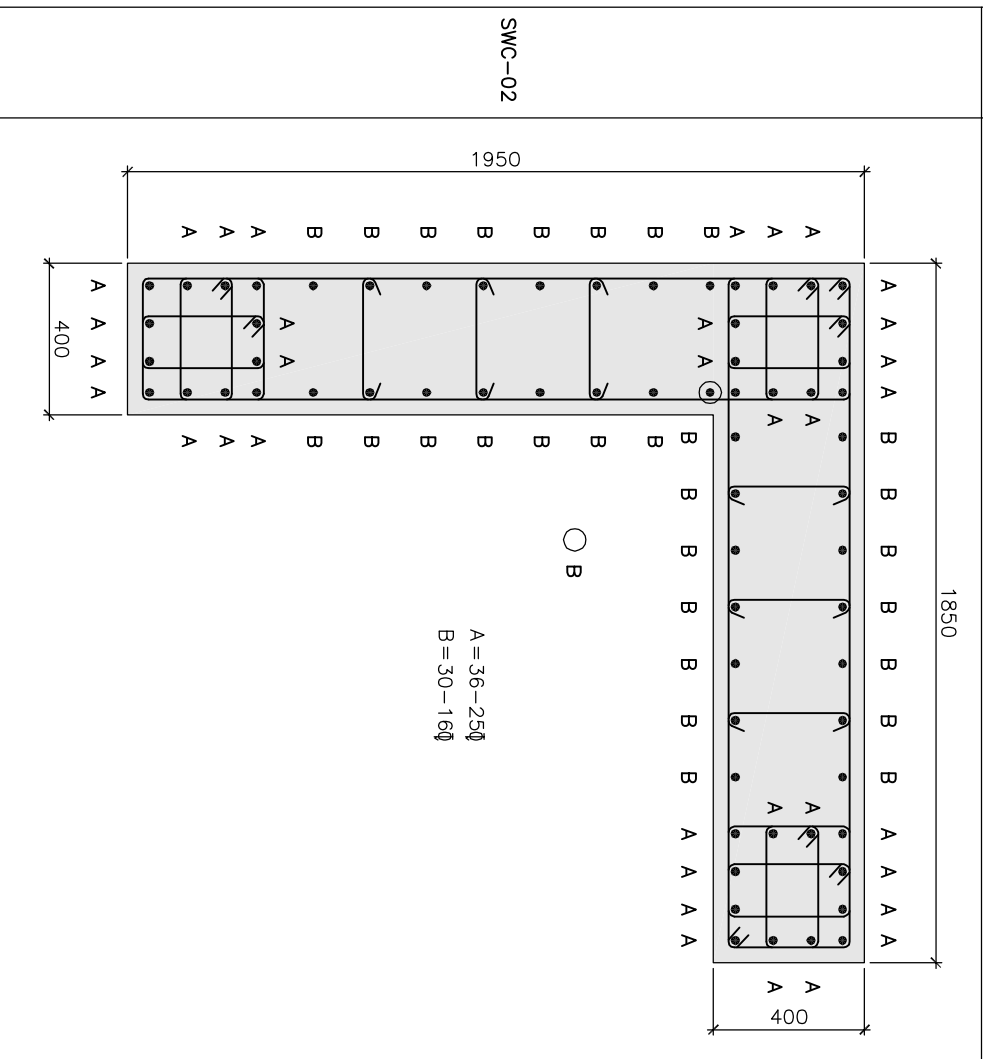
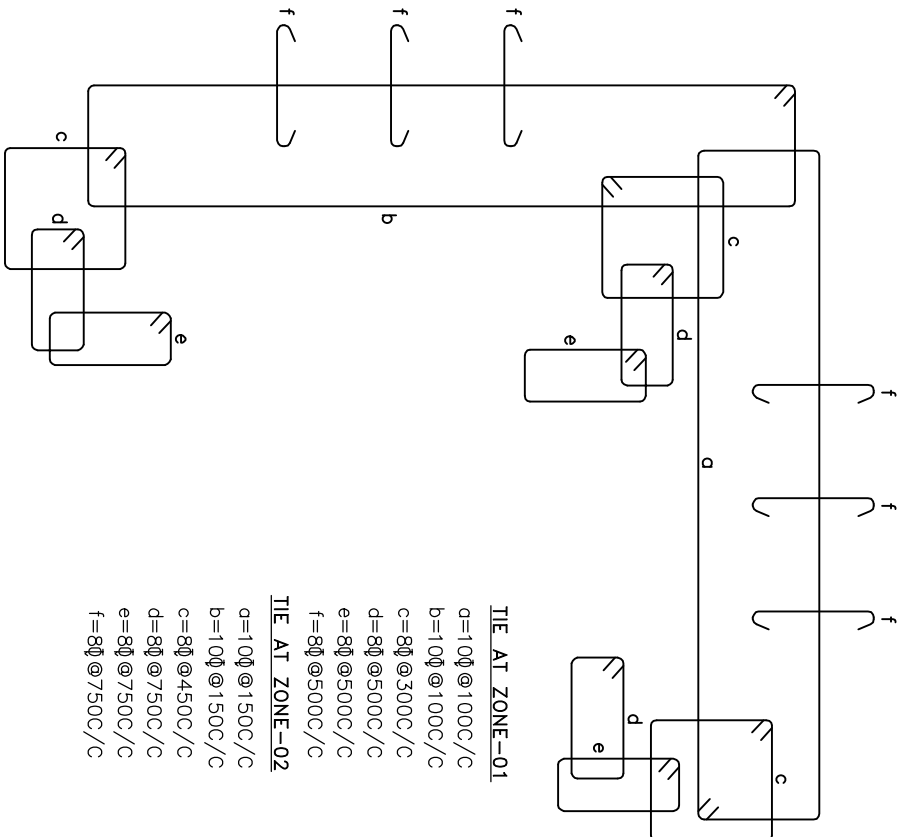
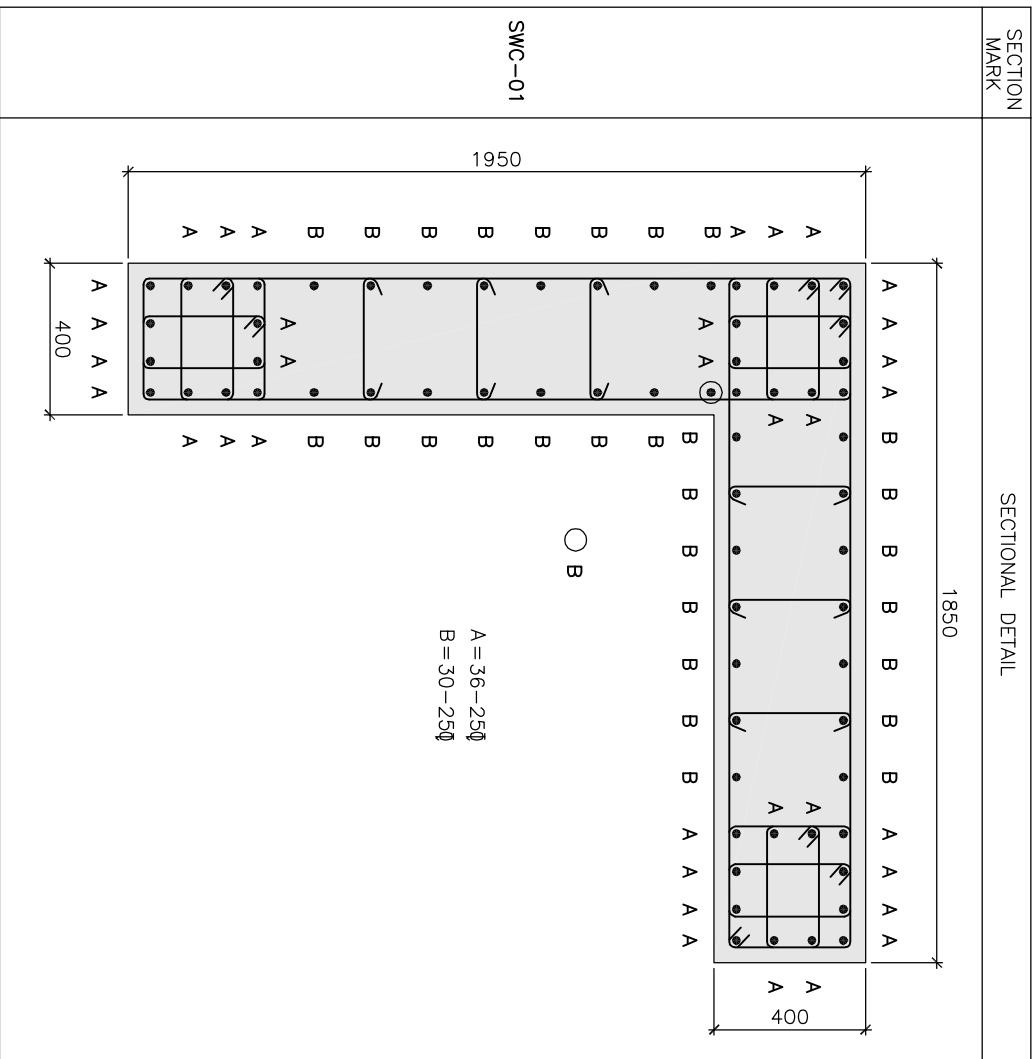
DETAILS OF COLUMN
COLUMN SCHEDULE (SHEET 2 / 9)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SECTION MARK

SECTIONAL DETAIL

TIES DETAIL



RELATED DRAWINGS:

- TCE.10477A-CV-1007-RC-1001
- TCE.10477A-CV-1007-RC-1002
- TCE.10477A-CV-1007-RC-1004
- TCE.10477A-CV-1007-RC-1005
- TCE.10477A-CV-1007-RC-1006
- TCE.10477A-CV-1007-RC-1007
- TCE.10477A-CV-1007-RC-1008
- TCE.10477A-CV-1007-RC-1009

NOTES:

- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
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- GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
- GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
- THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

- | | | |
|--|------|-------------------------------|
| a) VERTICAL FACES OF COLUMN, BEAM & WALL | : | 24 HOURS |
| b) SLAB | (i) | SPANNING UP TO 4.5m : 7 DAYS |
| | (ii) | SPANNING OVER 4.5m : 14 DAYS |
| c) BEAM | (i) | SPANNING UP TO 6.0m : 14 DAYS |
| | (ii) | SPANNING OVER 6.0m : 21 DAYS |

8. CLEAR COVER TO THE MAIN REINFORCEMENT

- | | | |
|------------------------|---|---------|
| a) FOUNDATION | : | 60mm |
| b) COLUMN UP TO PLINTH | : | 60mm |
| c) COLUMN ABOVE PLINTH | : | 40mm |
| d) BEAM | : | 25mm |
| e) WALL | : | 30mm |
| f) SLAB | : | 15-20mm |

9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.

10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION

11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.

12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

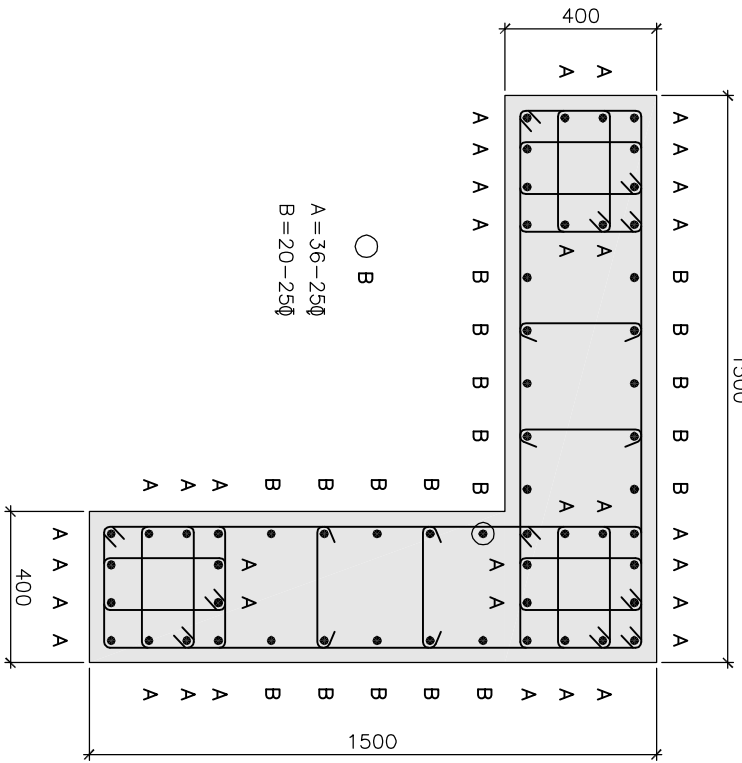
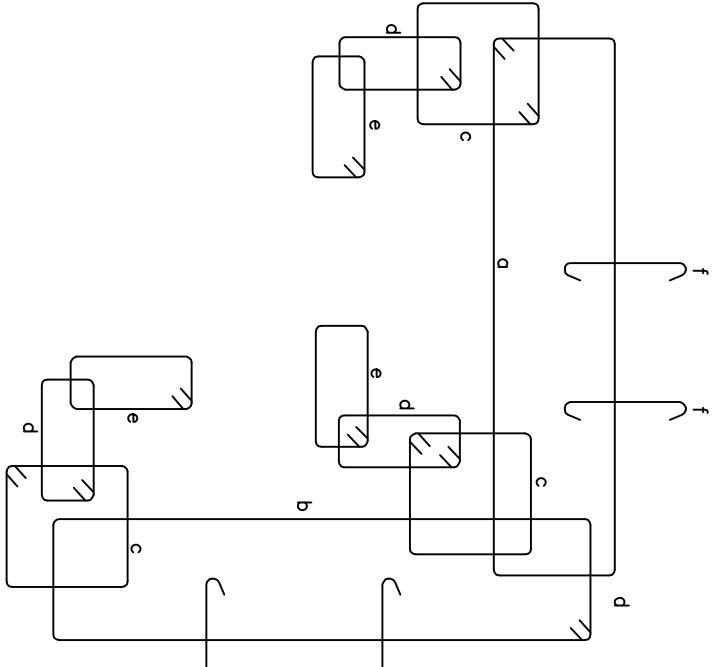
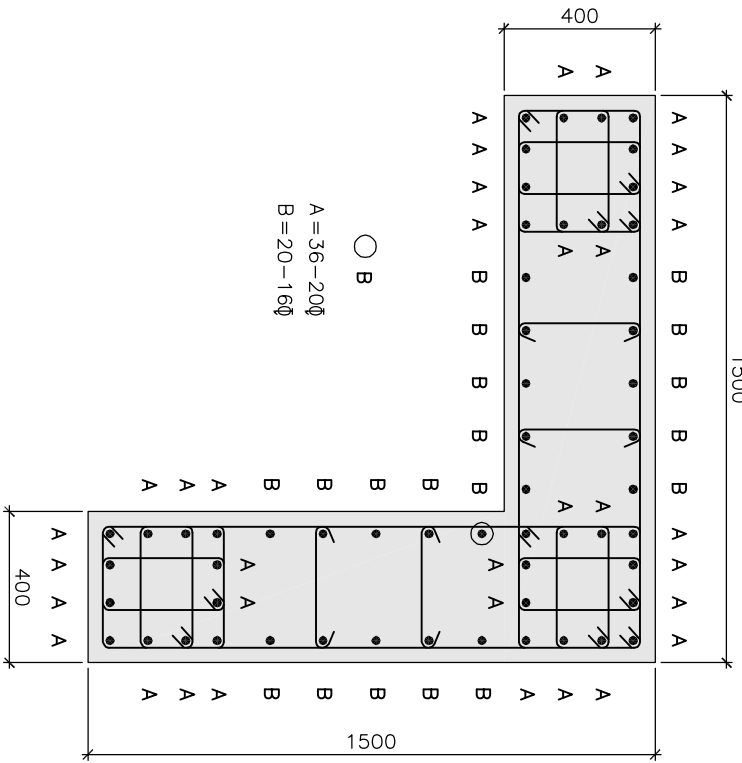
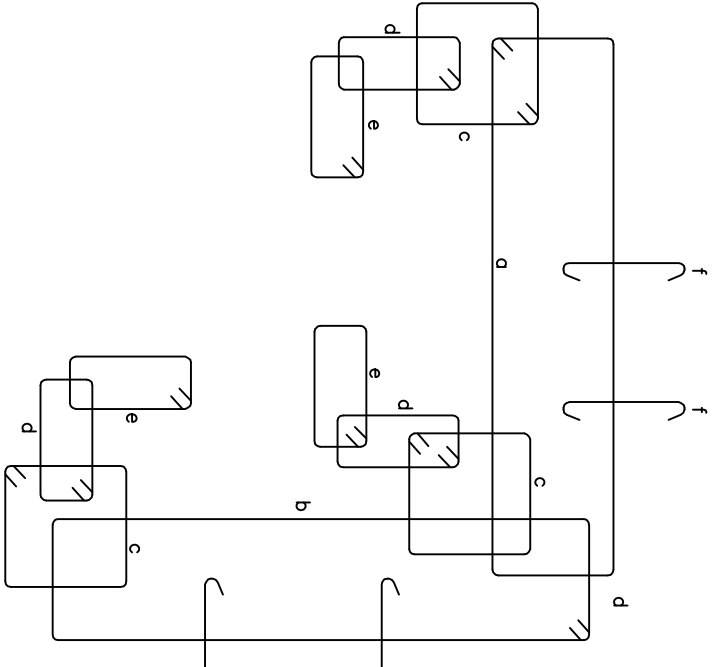
SIGN.	INITIALS	REVISIONS	SIGN.	INITIALS	DATE
					15.04.2020

GUWAHATI SMART CITY LIMITED
 SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
 SECTIONAL DETAIL (SHEET 3 / 9)

TATA CONSULTING ENGINEERS LIMITED
 MUMBAI

SCALE : N.T.S. DWG NO: TCE.10477A-CV-1007-RC-1003 ISSUE RO
 DC & DISC: ---

SECTION MARK	SECTIONAL DETAIL	TIES DETAIL
SWC-03	 <p>A=36-25ϕ B=20-25ϕ</p>	 <p>TIE AT ZONE-01 a=10ϕ@100C/C b=10ϕ@100C/C c=8ϕ@300C/C d=8ϕ@500C/C e=8ϕ@500C/C f=8ϕ@500C/C</p> <p>TIE AT ZONE-02 a=10ϕ@150C/C b=10ϕ@150C/C c=8ϕ@450C/C d=8ϕ@750C/C e=8ϕ@750C/C f=8ϕ@750C/C</p>
SWC-04	 <p>A=36-20ϕ B=20-16ϕ</p>	 <p>TIE AT ZONE-01 a=10ϕ@100C/C b=10ϕ@100C/C c=8ϕ@300C/C d=8ϕ@500C/C e=8ϕ@500C/C f=8ϕ@500C/C</p> <p>TIE AT ZONE-02 a=10ϕ@150C/C b=10ϕ@150C/C c=8ϕ@450C/C d=8ϕ@750C/C e=8ϕ@750C/C f=8ϕ@750C/C</p>

RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1002
3. TCE.10477A-CV-1007-RC-1003
4. TCE.10477A-CV-1007-RC-1005
5. TCE.10477A-CV-1007-RC-1006
6. TCE.10477A-CV-1007-RC-1007
7. TCE.10477A-CV-1007-RC-1008
8. TCE.10477A-CV-1007-RC-1009

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"
6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - a) VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - b) SLAB
 - (i) SPANNING UP TO 4.5m : 7 DAYS
 - (ii) SPANNING OVER 4.5m : 14 DAYS
 - c) BEAM
 - (i) SPANNING UP TO 6.0m : 14 DAYS
 - (ii) SPANNING OVER 6.0m : 21 DAYS
8. CLEAR COVER TO THE MAIN REINFORCEMENT
 - a) FOUNDATION : 60mm
 - b) COLUMN UP TO PLINTH : 60mm
 - c) COLUMN ABOVE PLINTH : 40mm
 - d) BEAM : 25mm
 - e) WALL : 30mm
 - f) SLAB : 15-20mm
9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

SRNO.	INITIALS	REVISIONS

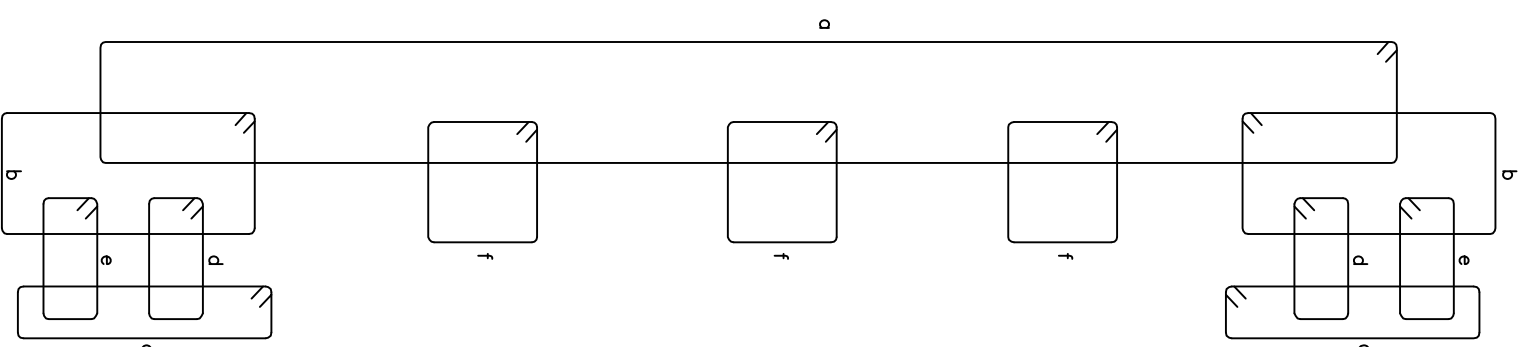
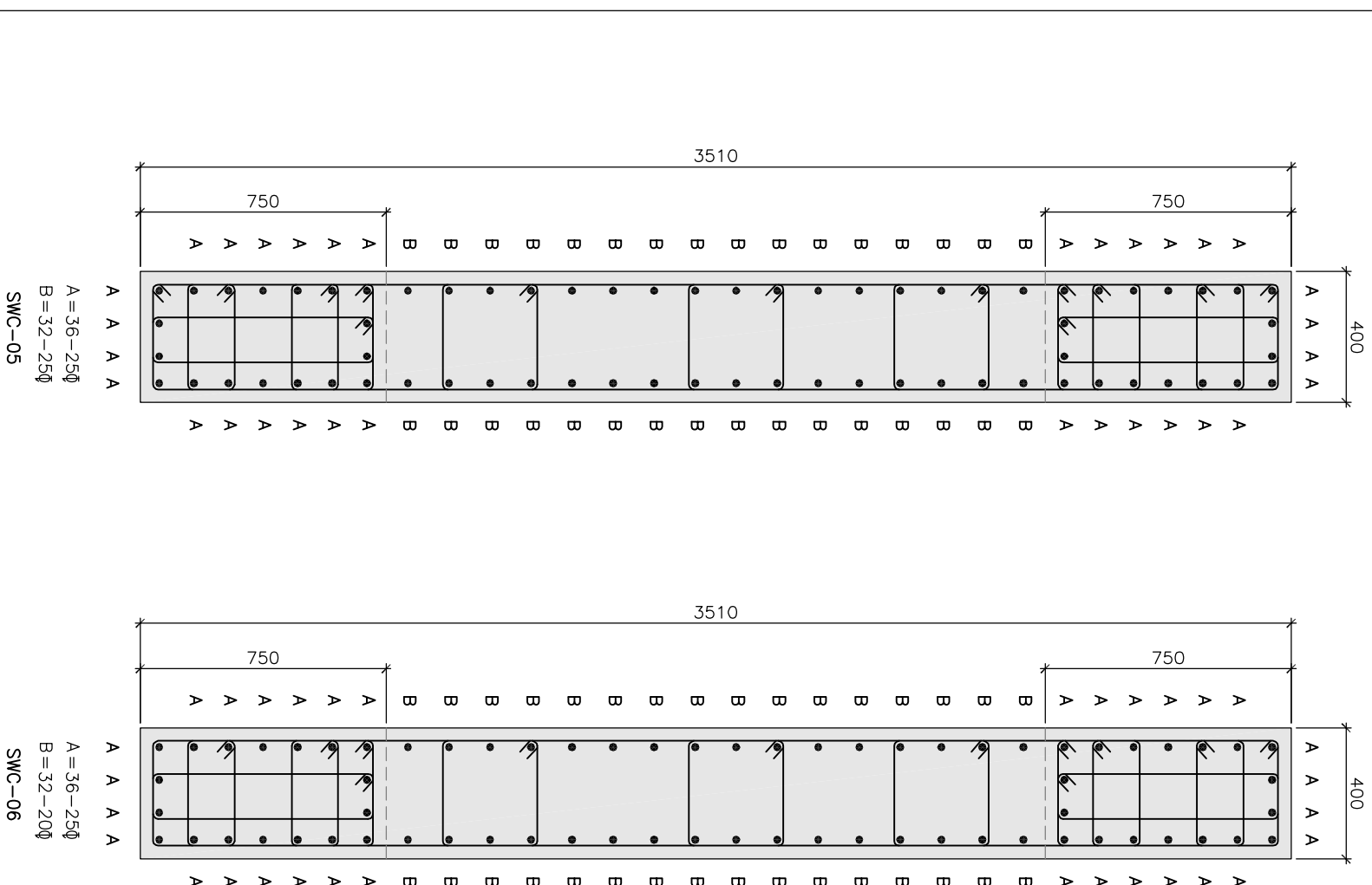
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PL	HMK	EXT	LS	PE/PM	APPD	DATE

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
SECTIONAL DETAIL (SHEET 4 / 9)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI



**TIE AT ZONE-01**

o = $10\phi @ 1000/C$
 b = $8\phi @ 500C/C$
 c = $8\phi @ 600C/C$
 d = $8\phi @ 500C/C$
 e = $8\phi @ 500C/C$
 f = $8\phi @ 500C/C$

TIE AT ZONE-02

o = $10\phi @ 1500/C$
 b = $8\phi @ 450C/C$
 c = $8\phi @ 900C/C$
 d = $8\phi @ 750C/C$
 e = $8\phi @ 750C/C$
 f = $8\phi @ 750C/C$

RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1002
3. TCE.10477A-CV-1007-RC-1003
4. TCE.10477A-CV-1007-RC-1004
5. TCE.10477A-CV-1007-RC-1006
6. TCE.10477A-CV-1007-RC-1007
7. TCE.10477A-CV-1007-RC-1008
8. TCE.10477A-CV-1007-RC-1009

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.

3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.

4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500

5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED, THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

- | | | |
|--|-------------------------|-----------|
| a) VERTICAL FACES OF COLUMN, BEAM & WALL | : | 24 HOURS |
| b) SLAB | (i) SPANNING UP TO 4.5m | : 7 DAYS |
| | (ii) SPANNING OVER 4.5m | : 14 DAYS |
| c) BEAM | (i) SPANNING UP TO 6.0m | : 14 DAYS |
| | (ii) SPANNING OVER 6.0m | : 21 DAYS |

8. CLEAR COVER TO THE MAIN REINFORCEMENT

- | | | |
|------------------------|---|---------|
| a) FOUNDATION | : | 60mm |
| b) COLUMN UP TO PLINTH | : | 60mm |
| c) COLUMN ABOVE PLINTH | : | 40mm |
| d) BEAM | : | 25mm |
| e) WALL | : | 30mm |
| f) SLAB | : | 15-20mm |

9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.

10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION

11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.

12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

SN	NO	DATE	BY	REVISIONS

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
SECTIONAL DETAIL (SHEET 5 / 9)

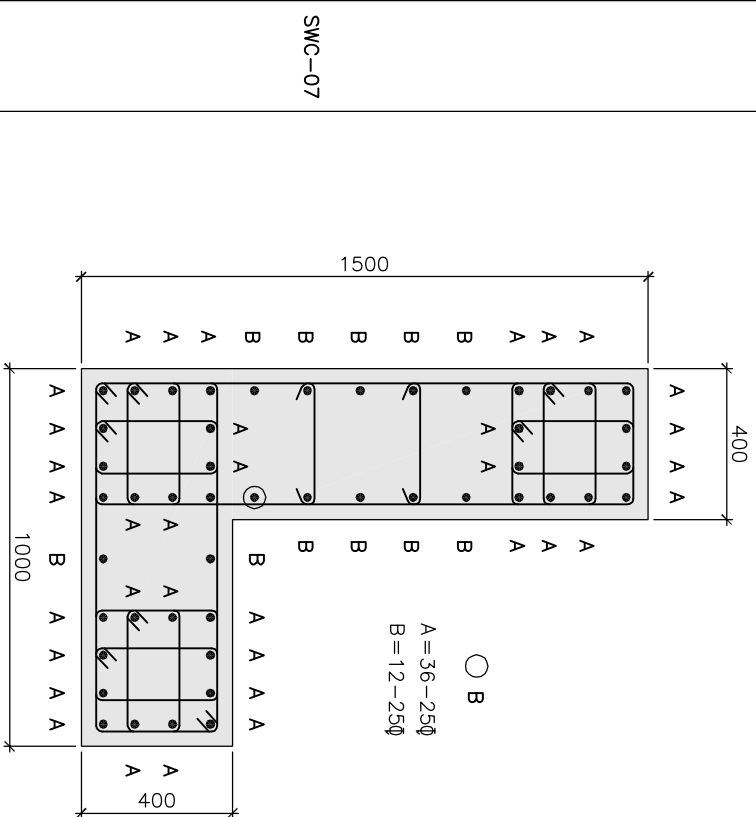
TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : N.T.S. DWG NO: TCE.10477A-CV-1007-RC-1005 ISSUE R0
 DC & DSCR : ---

SECTION MARK

SECTIONAL DETAIL

TIES DETAIL

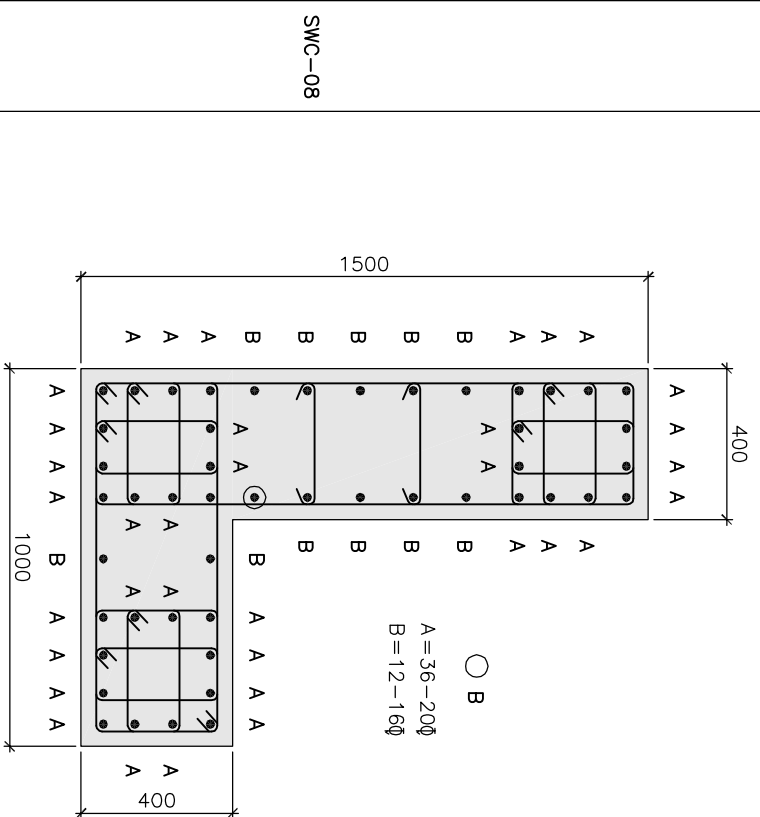
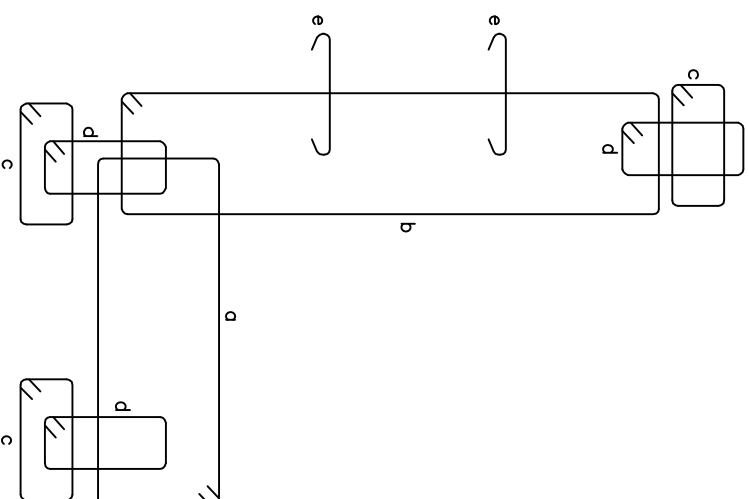


TIE AT ZONE-01

a=10φ@100C/C
b=10φ@100C/C
c=8φ@300C/C
d=8φ@500C/C
e=8φ@500C/C

TIE AT ZONE-02

a=10φ@150C/C
b=10φ@150C/C
c=8φ@450C/C
d=8φ@750C/C
e=8φ@750C/C

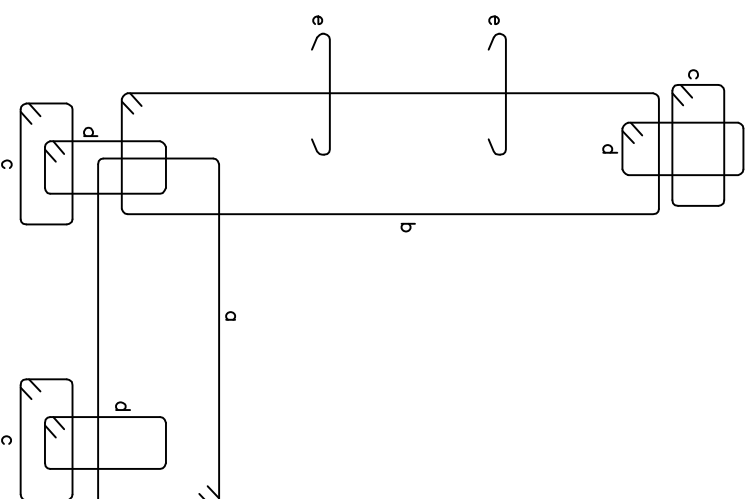


TIE AT ZONE-01

a=10φ@100C/C
b=10φ@100C/C
c=8φ@300C/C
d=8φ@500C/C
e=8φ@500C/C

TIE AT ZONE-02

a=10φ@150C/C
b=10φ@150C/C
c=8φ@450C/C
d=8φ@750C/C
e=8φ@750C/C



RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1002
3. TCE.10477A-CV-1007-RC-1003
4. TCE.10477A-CV-1007-RC-1004
5. TCE.10477A-CV-1007-RC-1005
6. TCE.10477A-CV-1007-RC-1007
7. TCE.10477A-CV-1007-RC-1008
8. TCE.10477A-CV-1007-RC-1009

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500

5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

VERTICAL FACES OF COLUMN, BEAM & WALL	SLAB	BEAM	WALL	SLAB
(i) SPANNING UP TO 4.5m	(i) SPANNING OVER 4.5m	(i) SPANNING UP TO 6.0m	(i) SPANNING OVER 6.0m	(i) SPANNING OVER 6.0m
(ii) SPANNING OVER 4.5m	(ii) SPANNING OVER 4.5m	(ii) SPANNING OVER 6.0m	(ii) SPANNING OVER 6.0m	(ii) SPANNING OVER 6.0m
				21 DAYS

8. CLEAR COVER TO THE MAIN REINFORCEMENT

a) FOUNDATION	:	60mm
b) COLUMN UP TO PLINTH	:	60mm
c) COLUMN ABOVE PLINTH	:	40mm
d) BEAM	:	25mm
e) WALL	:	30mm
f) SLAB	:	15-20mm

9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.

10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION

11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.

12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

SN.	REVISIONS	DATE
01	INITIALS	15.04.2020
02	REVISIONS	
03	ISSUE	
04	DRN	
05	DSN	
06	CHD	
07	CV	
08	EL	
09	IC	
10	ME	
11	PI	
12	HWK	
13	EXT	
14	LS	
15	PE/PM	
16	APPD	
17	DATE	

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

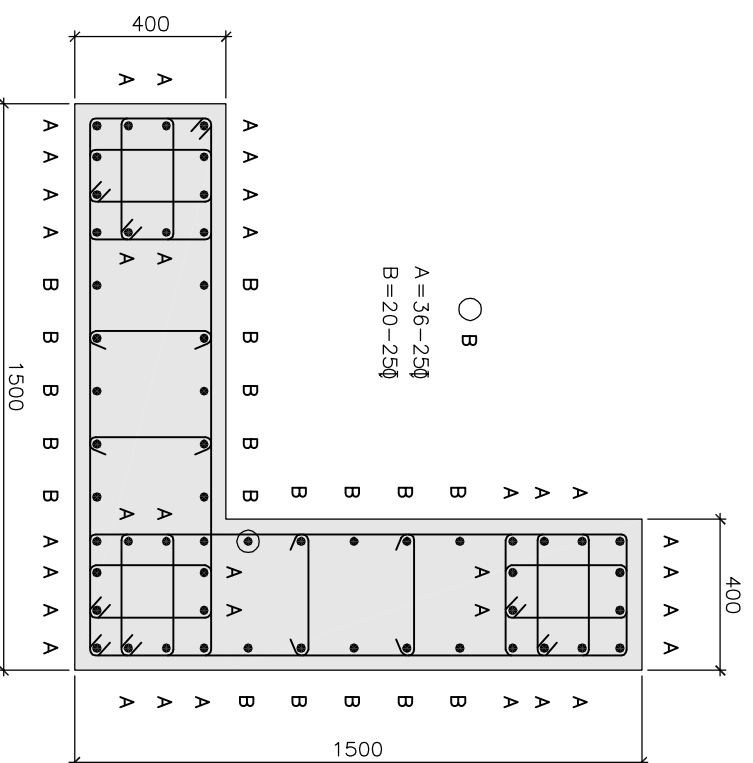
DETAILS OF COLUMN
SECTIONAL DETAIL (SHEET 6 / 9)

SCALE : N.T.S.
DATE : 15.04.2020
DC & DESG : ---
ISSUE : R0

SECTION MARK

SECTIONAL DETAIL

TIES DETAIL

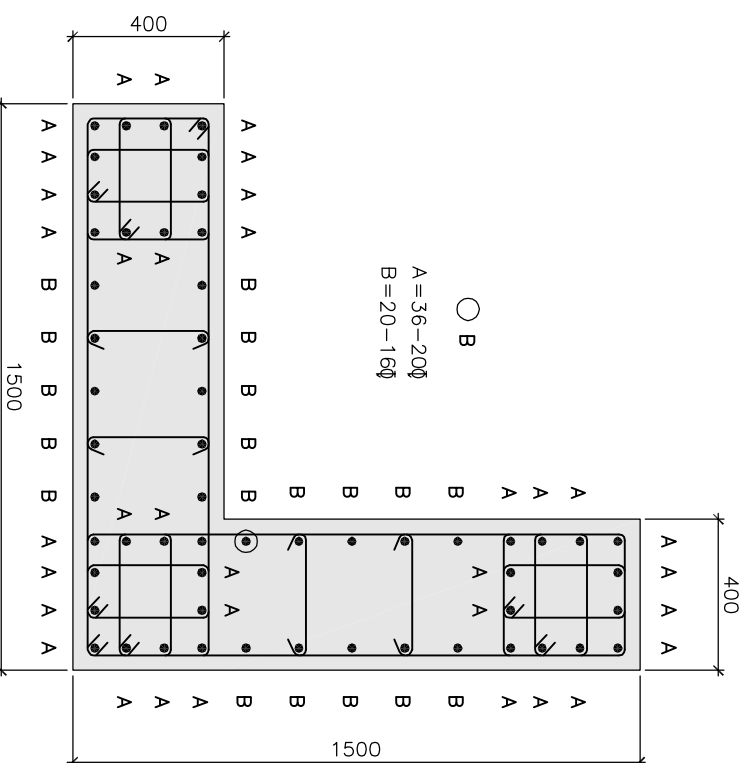
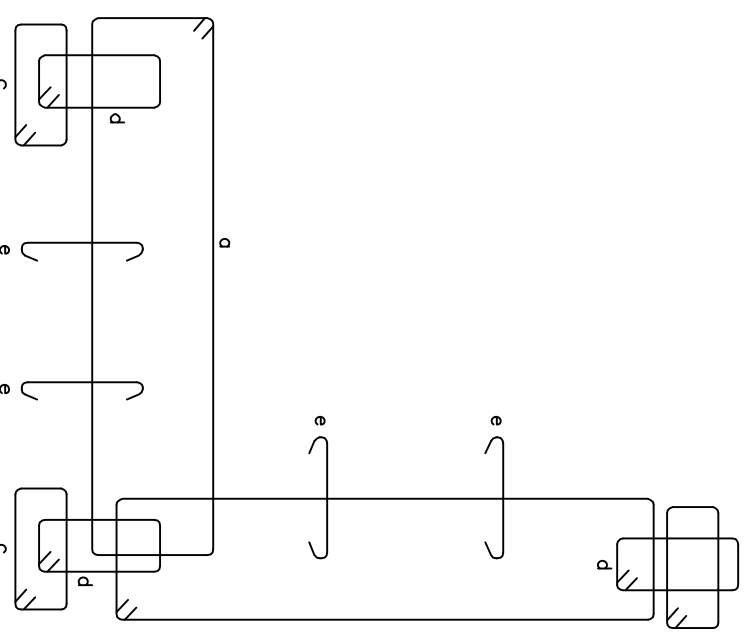


TIE AT ZONE-01

a = 10φ @ 100C/C
 b = 10φ @ 100C/C
 c = 8φ @ 300C/C
 d = 8φ @ 500C/C
 e = 8φ @ 500C/C

TIE AT ZONE-02

a = 10φ @ 150C/C
 b = 10φ @ 150C/C
 c = 8φ @ 450C/C
 d = 8φ @ 750C/C
 e = 8φ @ 750C/C

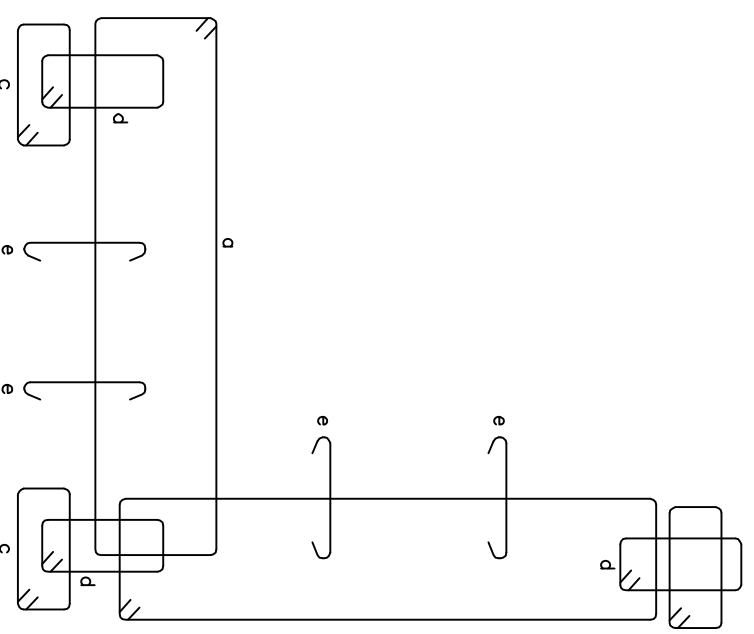


TIE AT ZONE-01

a = 10φ @ 100C/C
 b = 10φ @ 100C/C
 c = 8φ @ 300C/C
 d = 8φ @ 500C/C
 e = 8φ @ 500C/C

TIE AT ZONE-02

a = 10φ @ 150C/C
 b = 10φ @ 150C/C
 c = 8φ @ 450C/C
 d = 8φ @ 750C/C
 e = 8φ @ 750C/C



RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1002
3. TCE.10477A-CV-1007-RC-1003
4. TCE.10477A-CV-1007-RC-1004
5. TCE.10477A-CV-1007-RC-1005
6. TCE.10477A-CV-1007-RC-1006
7. TCE.10477A-CV-1007-RC-1008
8. TCE.10477A-CV-1007-RC-1009

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - a) VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - b) SLAB
 - (i) SPANNING UP TO 4.5m : 7 DAYS
 - (ii) SPANNING OVER 4.5m : 14 DAYS
 - c) BEAM
 - (i) SPANNING UP TO 6.0m : 14 DAYS
 - (ii) SPANNING OVER 6.0m : 21 DAYS

8. CLEAR COVER TO THE MAIN REINFORCEMENT
 - a) FOUNDATION : 60mm
 - b) COLUMN UP TO PLINTH : 60mm
 - c) COLUMN ABOVE PLINTH : 40mm
 - d) BEAM : 25mm
 - e) WALL : 30mm
 - f) SLAB : 15-20mm
9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

SIGNL.	INITIALS		DATE
	DRN	DSN	
			15.04.2020

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
SECTIONAL DETAIL (SHEET 7 / 9)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : N.T.S. DWG NO. TCE.10477A-CV-1007-RC-1007 ISSUE RO
DC & DSC : ---

SECTION MARK	SECTIONAL DETAIL	TIE AT ZONE-01	TIE AT ZONE-02
SEC.-01		<p>a=10ϕ@100C/C b=8ϕ@200C/C c=8ϕ@200C/C d=8ϕ@300C/C e=8ϕ@500C/C</p>	<p>a=10ϕ@150C/C b=8ϕ@300C/C c=8ϕ@300C/C d=8ϕ@450C/C e=8ϕ@750C/C</p>
SEC.-02		<p>a=10ϕ@100C/C b=8ϕ@200C/C c=8ϕ@200C/C d=8ϕ@300C/C e=8ϕ@500C/C</p>	<p>a=10ϕ@150C/C b=8ϕ@300C/C c=8ϕ@300C/C d=8ϕ@450C/C e=8ϕ@750C/C</p>
SEC.-03		<p>a=10ϕ@100C/C b=8ϕ@200C/C c=8ϕ@200C/C d=8ϕ@300C/C e=8ϕ@500C/C</p>	<p>a=10ϕ@150C/C b=8ϕ@300C/C c=8ϕ@300C/C d=8ϕ@450C/C e=8ϕ@750C/C</p>

RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1002
3. TCE.10477A-CV-1007-RC-1003
4. TCE.10477A-CV-1007-RC-1004
5. TCE.10477A-CV-1007-RC-1005
6. TCE.10477A-CV-1007-RC-1006
7. TCE.10477A-CV-1007-RC-1007
8. TCE.10477A-CV-1007-RC-1009

SECTION MARK	SECTIONAL DETAIL	TIE AT ZONE-01	TIE AT ZONE-02
SEC.-04		<p>a=10ϕ@100C/C b=8ϕ@200C/C c=8ϕ@200C/C d=8ϕ@500C/C</p>	<p>a=10ϕ@150C/C b=8ϕ@300C/C c=8ϕ@300C/C d=8ϕ@750C/C</p>
SEC.-05		<p>a=10ϕ@100C/C b=8ϕ@200C/C c=8ϕ@200C/C d=8ϕ@300C/C e=8ϕ@500C/C</p>	<p>a=10ϕ@150C/C b=8ϕ@300C/C c=8ϕ@300C/C d=8ϕ@450C/C e=8ϕ@750C/C</p>
SEC.-06		<p>a=10ϕ@100C/C b=8ϕ@200C/C c=8ϕ@200C/C d=8ϕ@300C/C e=8ϕ@500C/C</p>	<p>a=10ϕ@150C/C b=8ϕ@300C/C c=8ϕ@300C/C d=8ϕ@450C/C e=8ϕ@750C/C</p>

TENDER PURPOSE ONLY

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED. NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF F6500
5. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
6. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
7. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
8. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
9. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

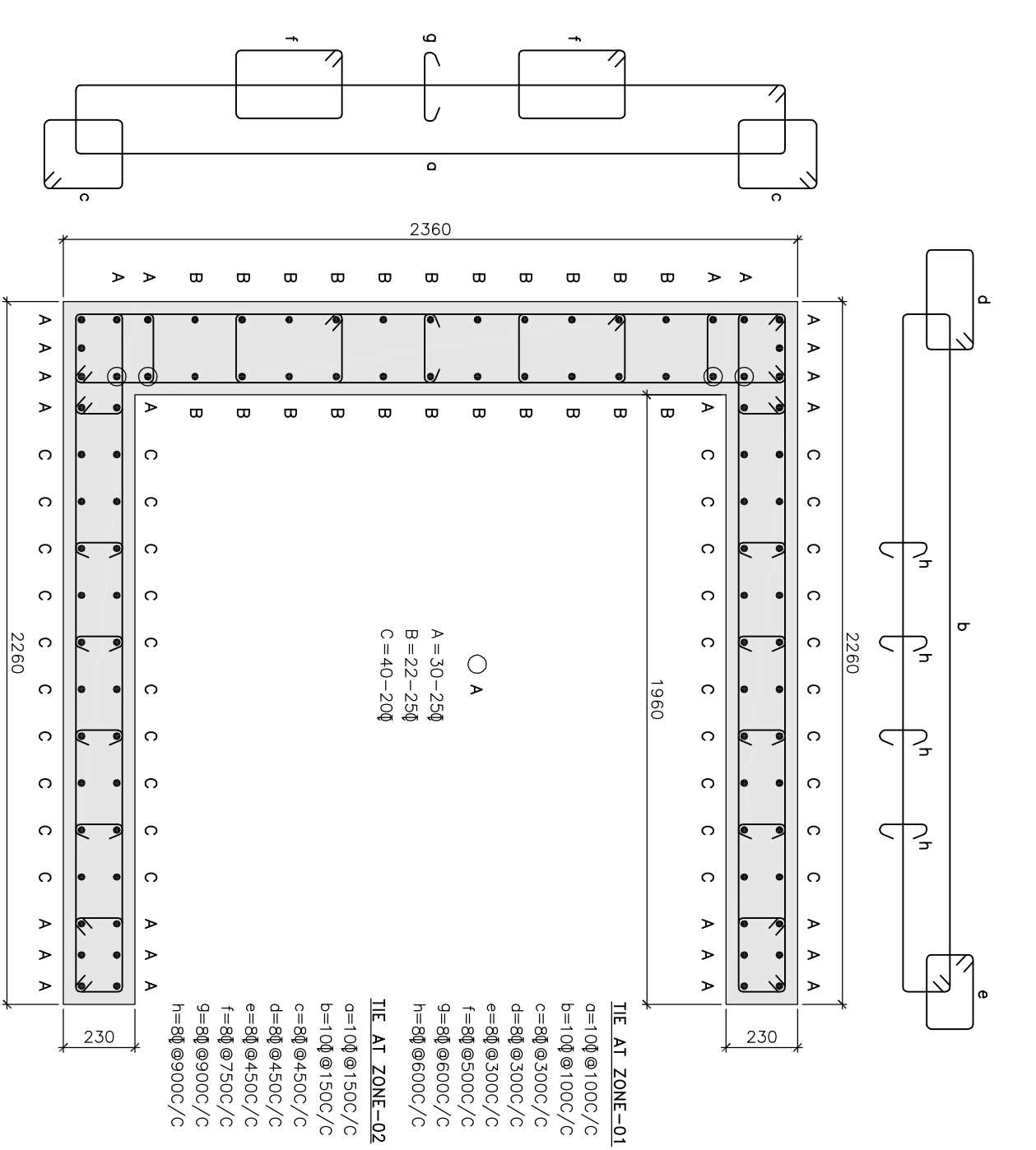
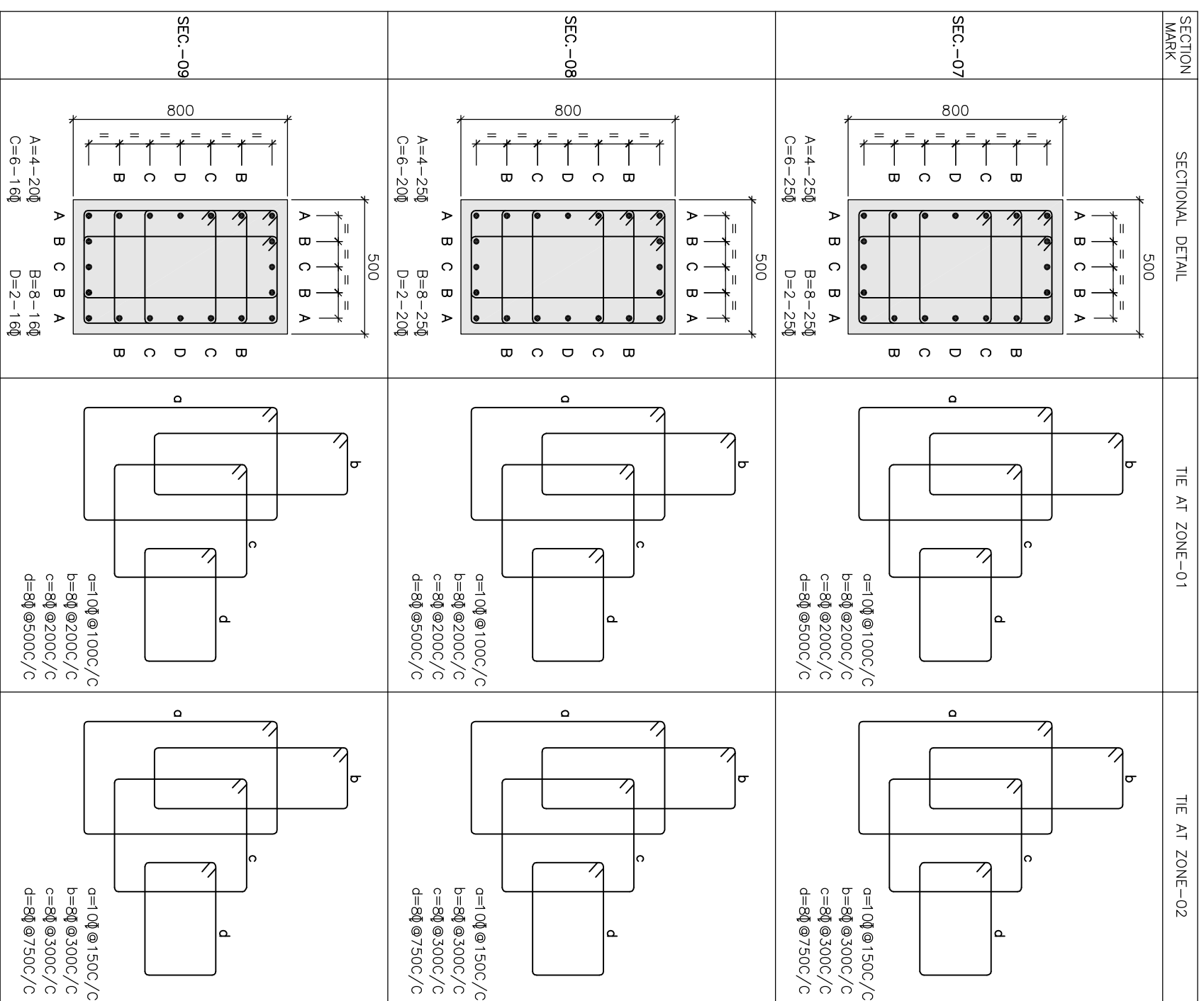
SIGN.														
INITIALS														
REVISIONS														
SIGN.					15.04.2020									
INITIALS														
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PI	HM	EXT	LS	PE/PM	APPD	DATE

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
SECTIONAL DETAIL (SHEET 8 / 9)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : N.T.S. DATE : 15.04.2020
DC & DESG : --- ISSUE : RO



RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1002
3. TCE.10477A-CV-1007-RC-1003
4. TCE.10477A-CV-1007-RC-1004
5. TCE.10477A-CV-1007-RC-1005
6. TCE.10477A-CV-1007-RC-1006
7. TCE.10477A-CV-1007-RC-1007
8. TCE.10477A-CV-1007-RC-1008

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED. NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
5. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
6. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
7. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
8. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
9. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

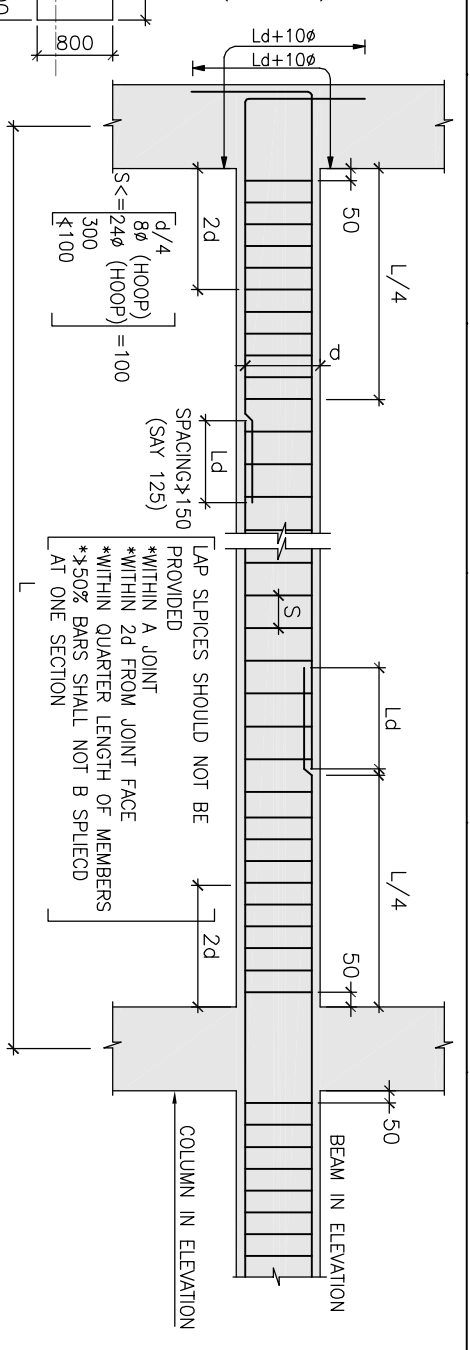
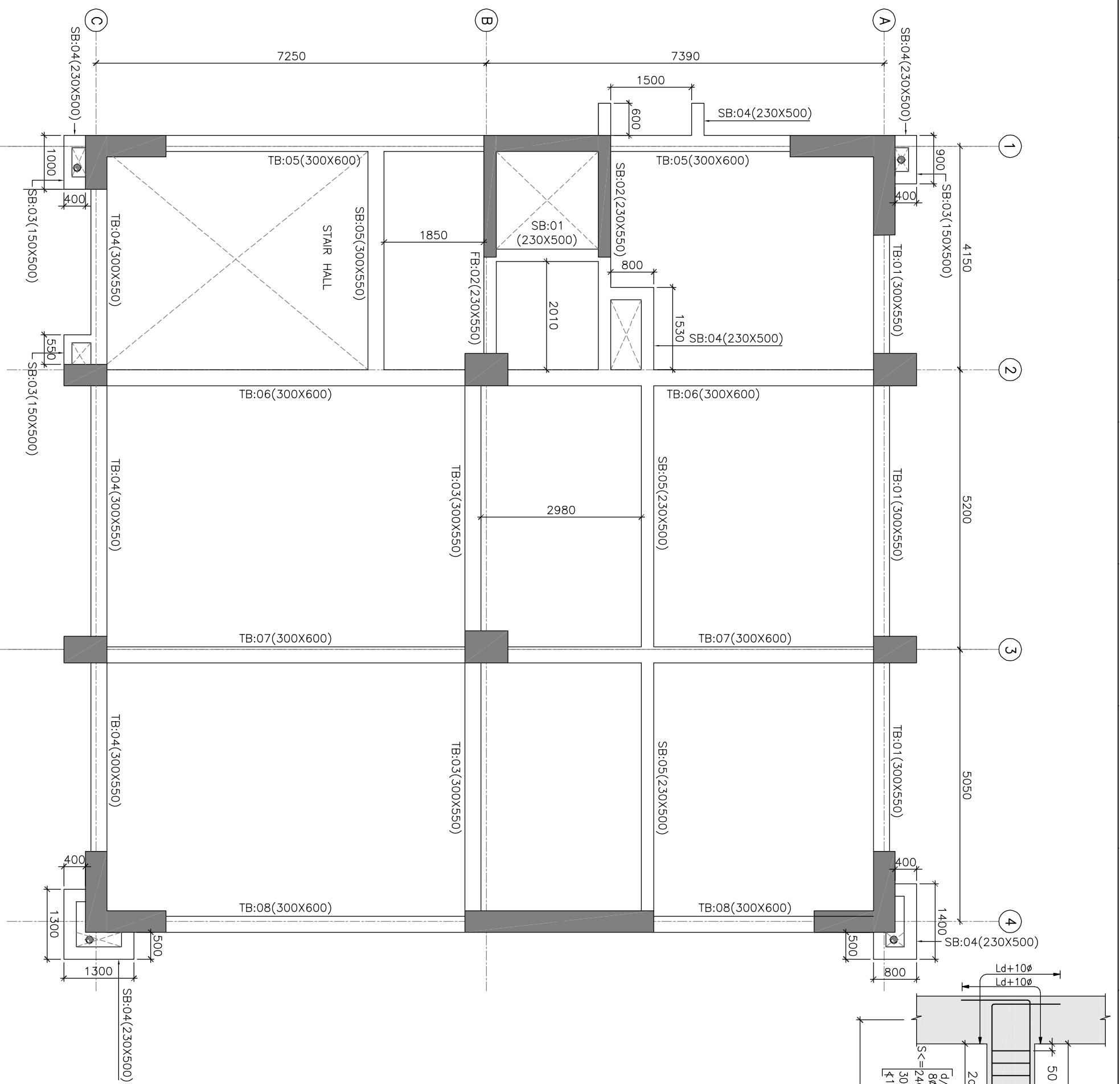
TENDER PURPOSE ONLY																			
SIGN.	INITIALS	REVISIONS	SIGN.	INITIALS	DATE	DRN	DSN	CHD	CV	EL	IC	WE	PI	HWD	EXT	LS	PE/PM	APPD	DATE
					15.04.2020														

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF COLUMN
SECTIONAL DETAIL (SHEET 9 / 9)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : N.T.S. DRAWING NO: TCE.10477A-CV-1007-RC-1009 ISSUE RO



**TYPICAL REINFORCEMENT
DETAIL OF BEAM**

- NOTES:
1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500

5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - a) VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - b) SLAB : (i) SPANNING UP TO 4.5m : 7 DAYS
 - (ii) SPANNING OVER 4.5m : 14 DAYS
 - c) BEAM : (i) SPANNING UP TO 6.0m : 14 DAYS
 - (ii) SPANNING OVER 6.0m : 21 DAYS
8. CLEAR COVER TO THE MAIN REINFORCEMENT
 - a) FOUNDATION : 60mm
 - b) COLUMN UP TO PLINTH : 60mm
 - c) COLUMN ABOVE PLINTH : 40mm
 - d) BEAM : 25mm
 - e) WALL : 30mm
 - f) SLAB : 15-20mm
9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

RELATED DRAWINGS:

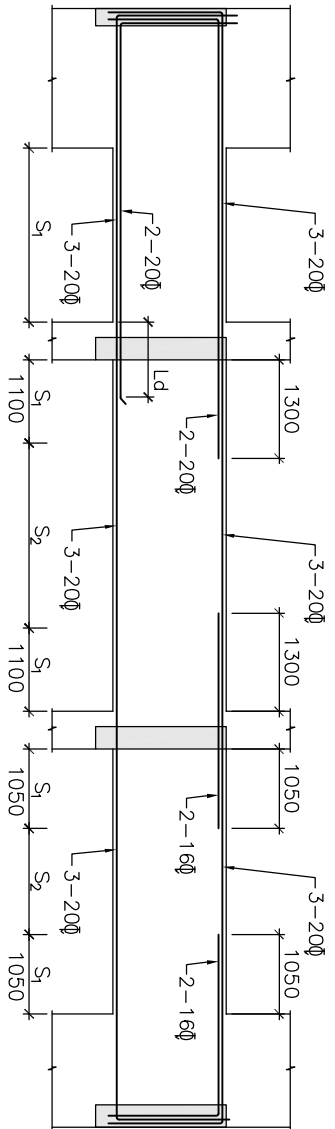
1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1011

TENDER PURPOSE ONLY

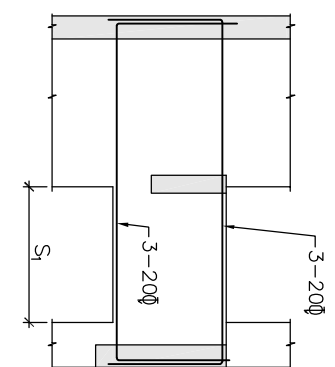
SIGN.	INITIALS	REVISIONS	DATE

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

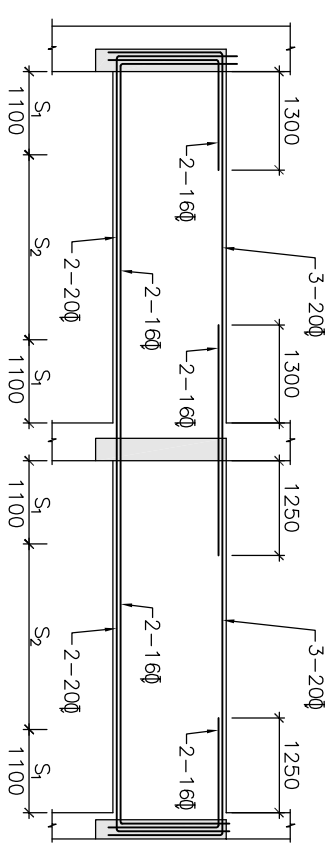
**DETAILS OF THE BEAM
BEAM LAYOUT (SHEET 1 / 2)**



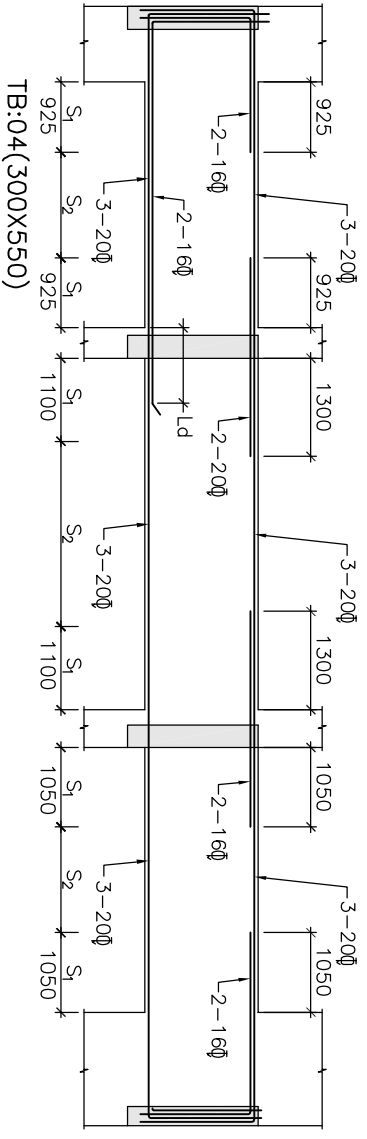
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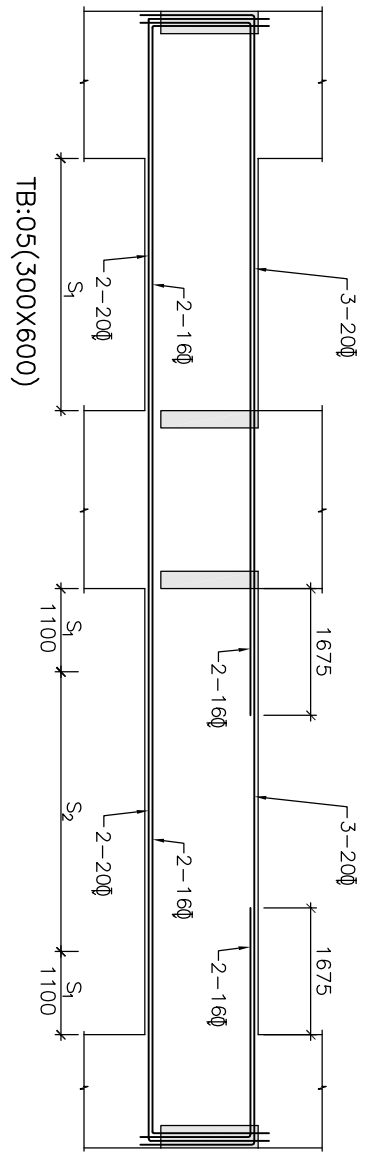
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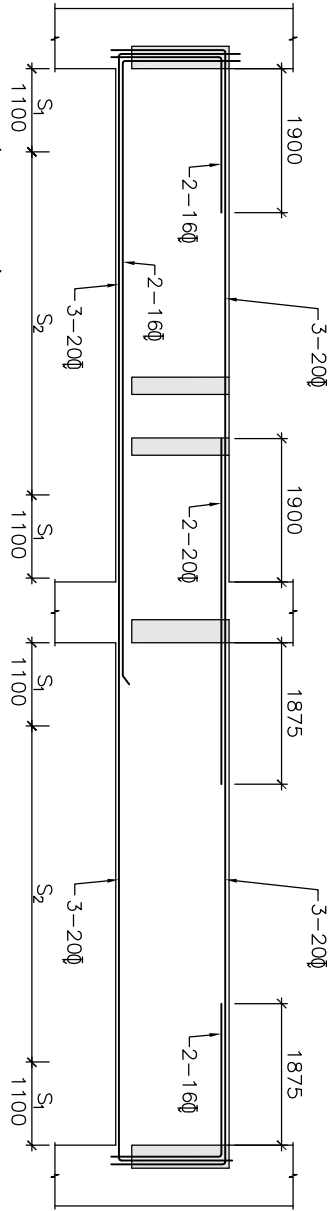


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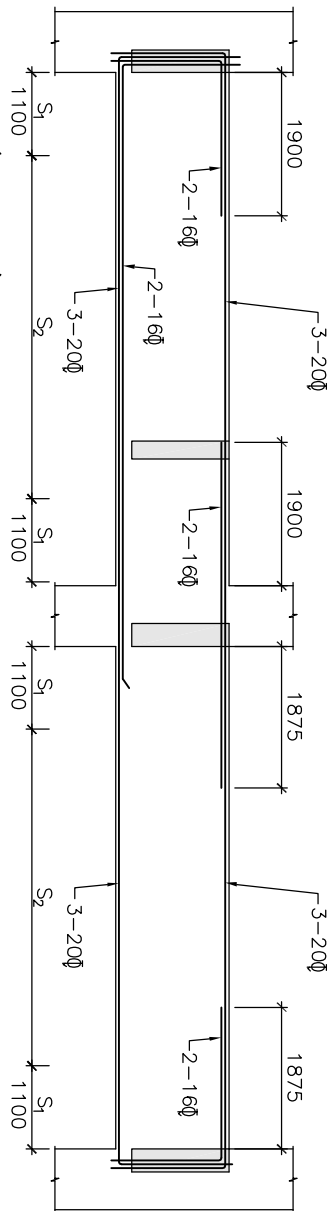


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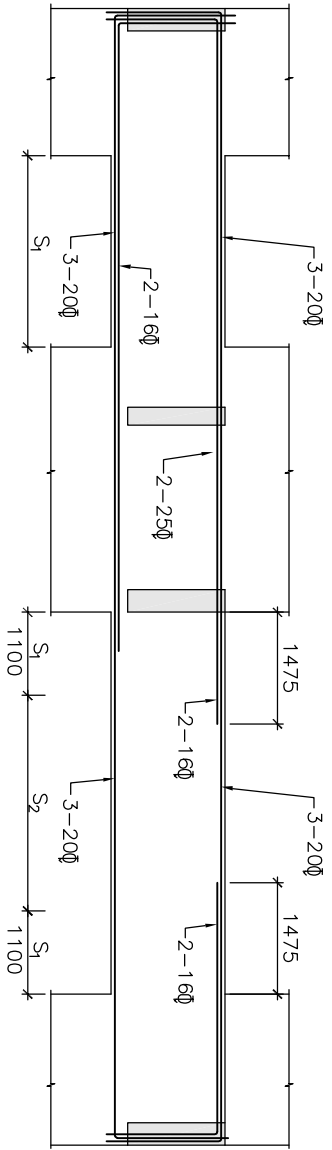
- RELATED DRAWINGS:
1. TCE:10477A-CV-1007-RC-1001
 2. TCE:10477A-CV-1007-RC-1010
- LEGEND:
- S=2L 8Ø@100C/C STP.
S2=2L 8Ø@150C/C STP.



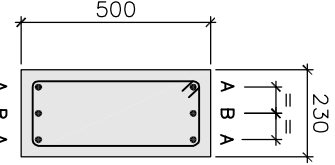
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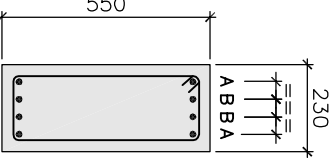
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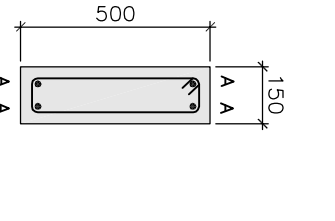
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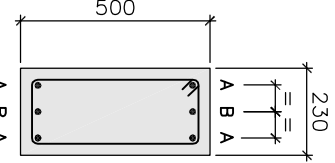
DETAIL OF SB-01



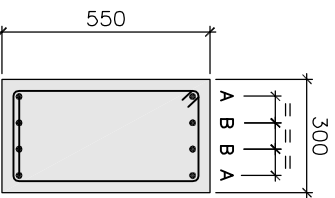
DETAIL OF SB-02



DETAIL OF SB-03



DETAIL OF SB-04



DETAIL OF SB-05

- NOTES:
1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
 5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"
 6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - a) VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - b) SLAB
 - (i) SPANNING UP TO 4.5m : 7 DAYS
 - (ii) SPANNING OVER 4.5m : 14 DAYS
 - c) BEAM
 - (i) SPANNING UP TO 6.0m : 14 DAYS
 - (ii) SPANNING OVER 6.0m : 21 DAYS
 8. CLEAR COVER TO THE MAIN REINFORCEMENT
 - a) FOUNDATION : 60mm
 - b) COLUMN UP TO PLINTH : 60mm
 - c) COLUMN ABOVE PLINTH : 40mm
 - d) BEAM : 25mm
 - e) WALL : 30mm
 - f) SLAB : 15-20mm
 9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
 10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
 11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
 12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

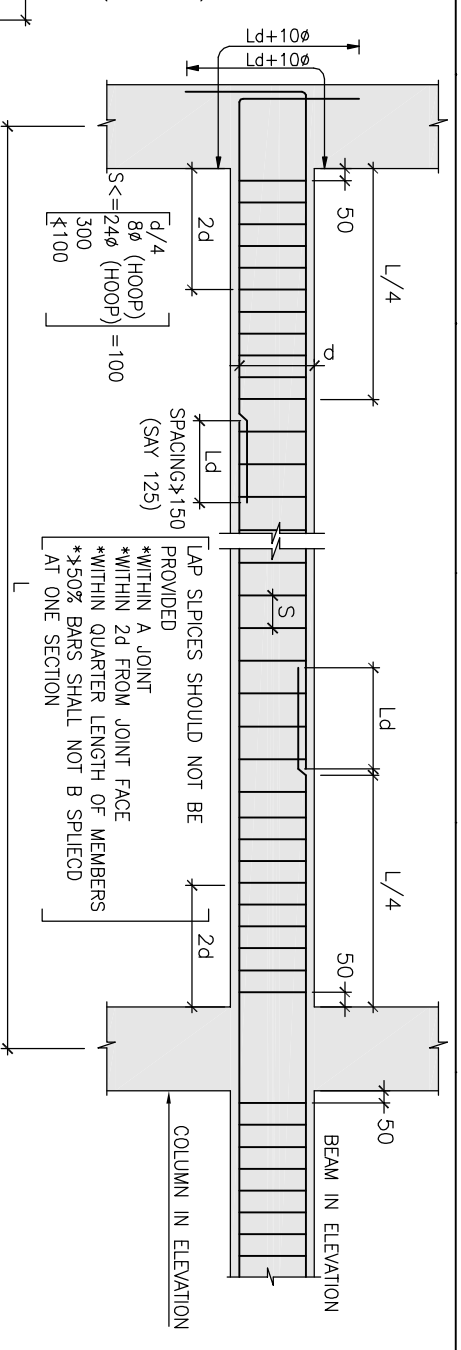
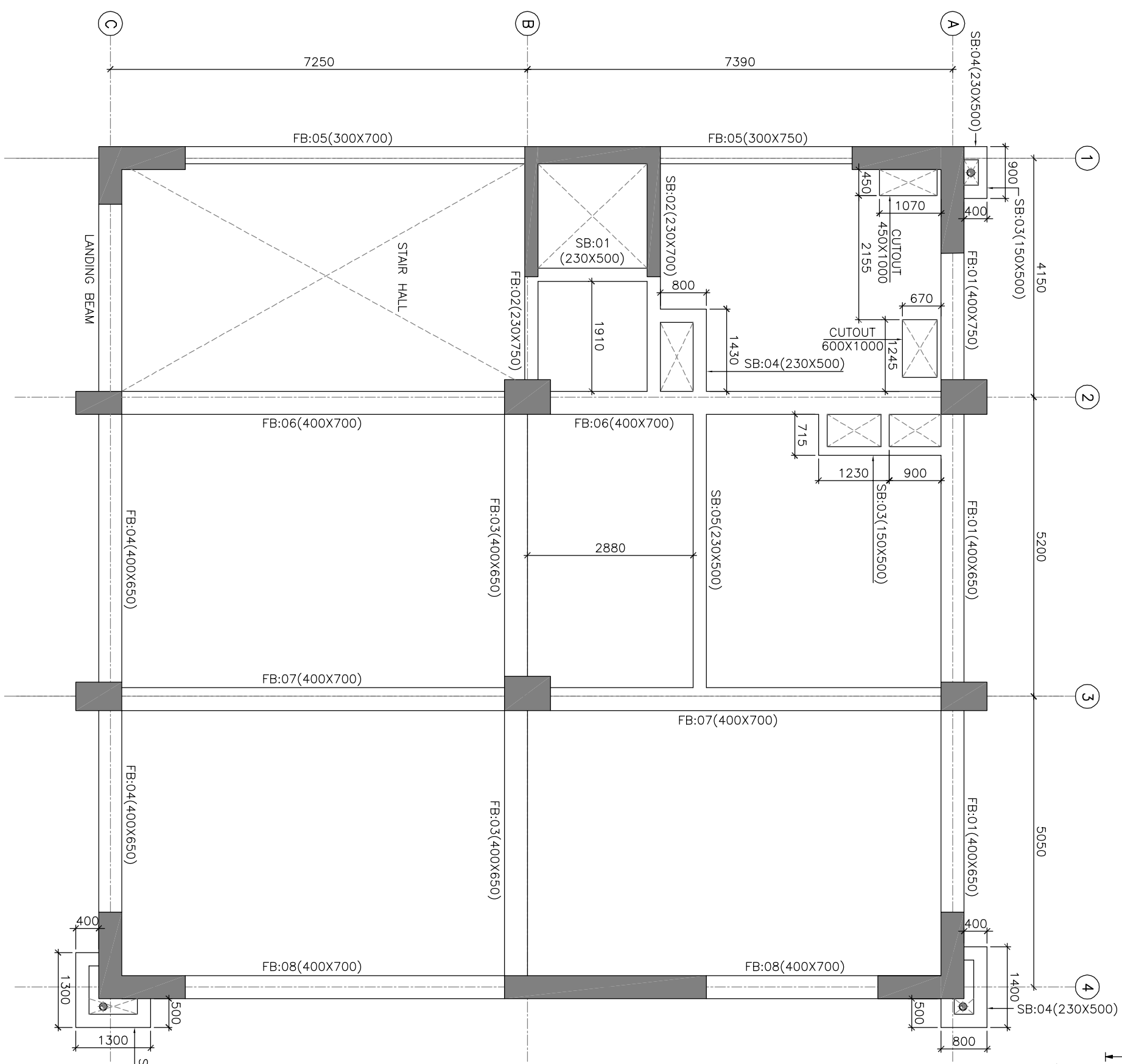
NO.	REVISIONS	DATE
1	AS NOTED	17.04.2020

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF THE BEAM
L SECTION (SHEET 2 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE: AS NOTED
DATE: 17.04.2020
ISSUE NO: TCE/10477A-CV-1007-RC-1011
ISSUE NO: ---



**TYPICAL REINFORCEMENT
DETAIL OF BEAM**

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

a) VERTICAL FACES OF COLUMN, BEAM & WALL	:	24 HOURS
b) SLAB	:	7 DAYS
	(i)	SPANNING UPTO 4.5m
	(ii)	SPANNING OVER 4.5m
c) BEAM	:	14 DAYS
	(i)	SPANNING UPTO 6.0m
	(ii)	SPANNING OVER 6.0m
	:	21 DAYS

8. CLEAR COVER TO THE MAIN REINFORCEMENT

a) FOUNDATION	:	60mm
b) COLUMN UPTO PLINTH	:	60mm
c) COLUMN ABOVE PLINTH	:	40mm
d) BEAM	:	25mm
e) WALL	:	30mm
f) SLAB	:	15-20mm

9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.

10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION

11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.

12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1013
3. TCE.10477A-CV-1007-RC-1024

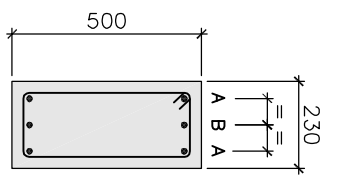
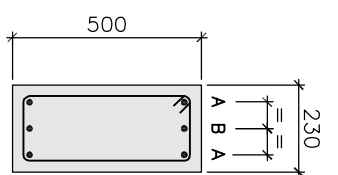
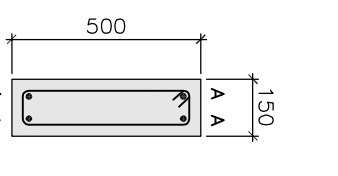
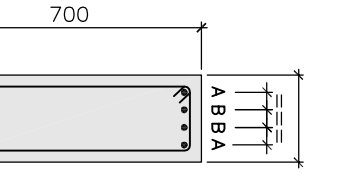
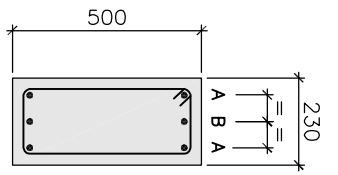
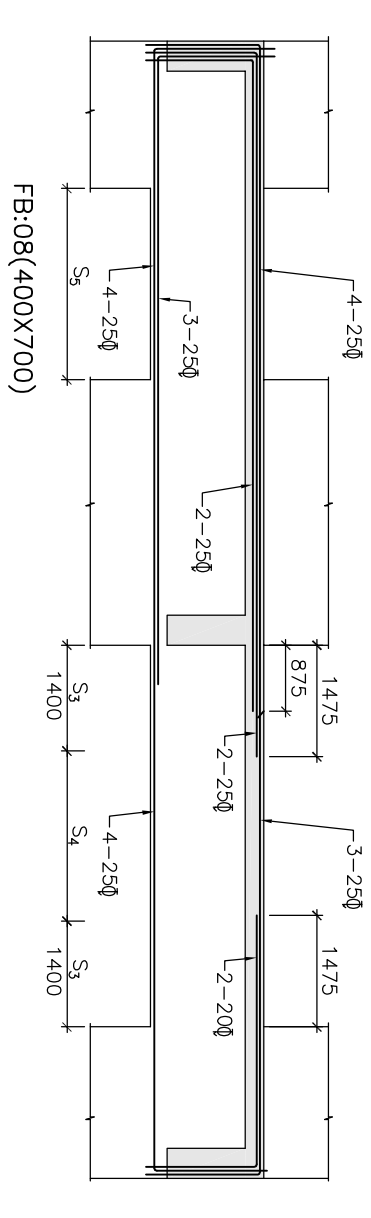
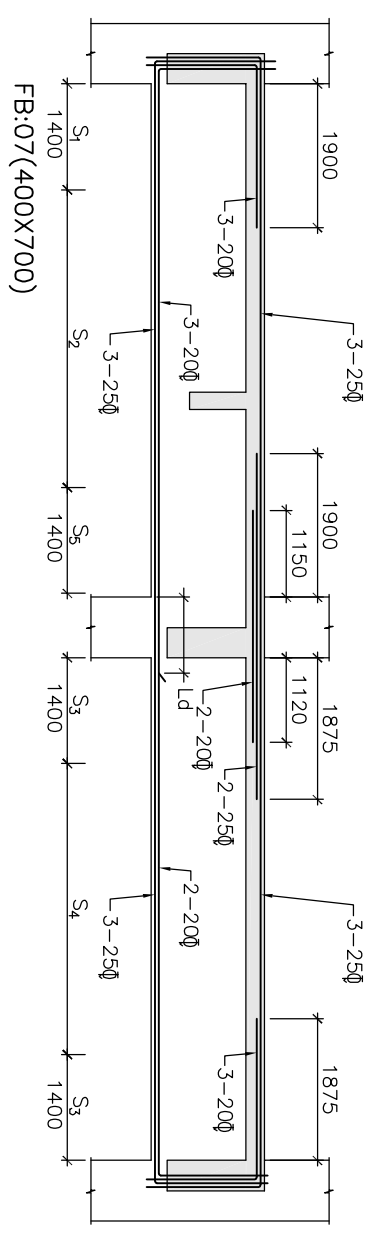
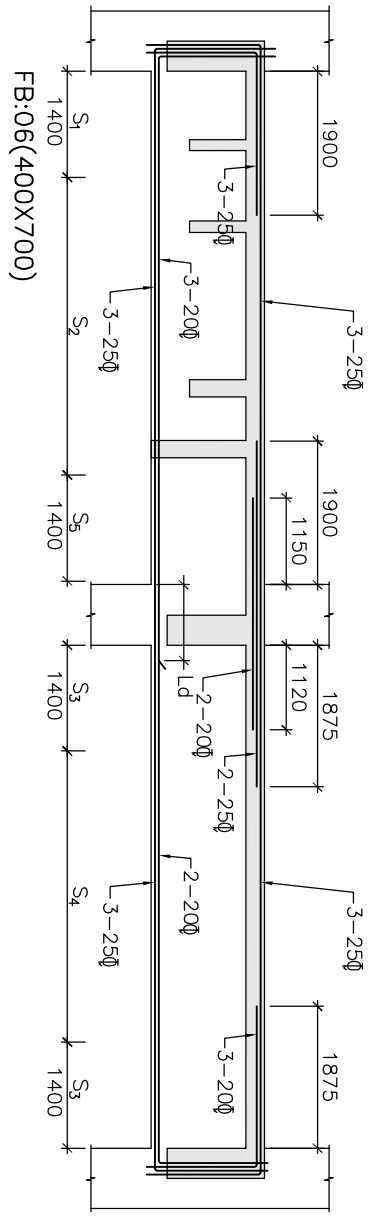
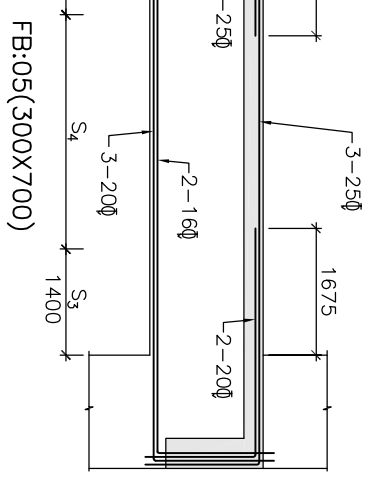
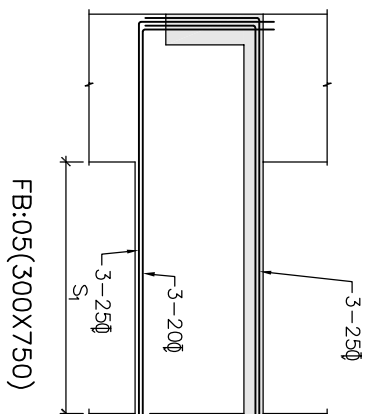
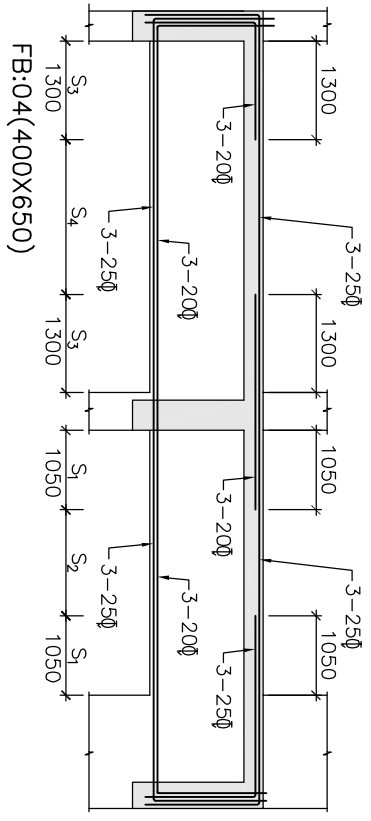
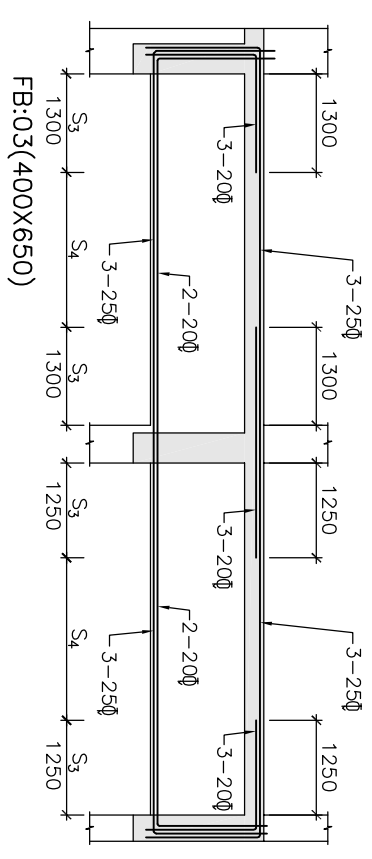
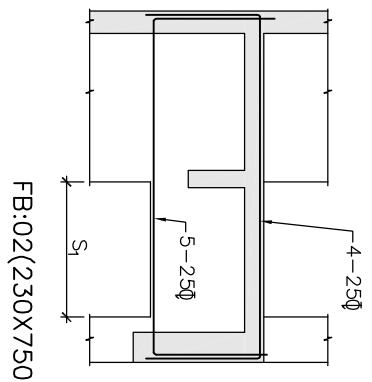
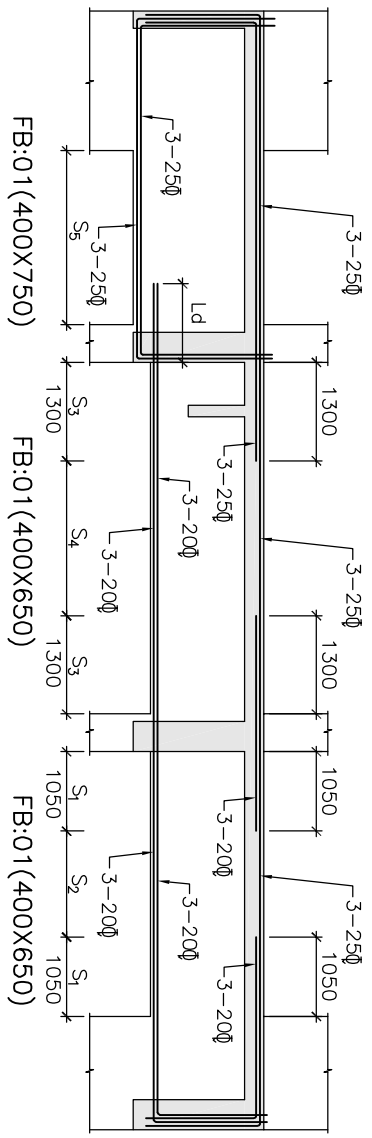
TENDER PURPOSE ONLY

GUWAHATI SMART CITY LIMITED																			
SMART CITY MISSION GUWAHATI																			
SIGN.	INITIALS	REVISIONS	SIGN.	INITIALS	DATE	DRN	DSN	CHD	CV	EL	IC	ME	PI	HM	EXT	LS	PE/PM	APPD	DATE
					17.04.2020														

DETAILS OF FIRST FLOOR BEAM
BEAM LAYOUT (SHEET 1 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : AS NOTED
DC & DSC : ---
TCE.10477A-CV-1007-RC-1012
ISSUE R0



DETAIL OF SB-01
2L 8@100C/C STP.

DETAIL OF SB-02
2L 8@100C/C STP.

DETAIL OF SB-03
2L 8@125C/C STP.

DETAIL OF SB-04
2L 8@100C/C STP.

DETAIL OF SB-05
2L 8@100C/C STP.

DETAIL OF SB-01
2L 8@100C/C STP.

DETAIL OF SB-02
2L 8@100C/C STP.

DETAIL OF SB-03
2L 8@125C/C STP.

DETAIL OF SB-04
2L 8@100C/C STP.

DETAIL OF SB-05
2L 8@100C/C STP.

NOTES:

- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
- ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
- GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
- GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
- THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"
- DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - SLAB
 - SPANNING UP TO 4.5m : 7 DAYS
 - SPANNING OVER 4.5m : 14 DAYS
 - BEAM
 - SPANNING UP TO 6.0m : 14 DAYS
 - SPANNING OVER 6.0m : 21 DAYS
- CLEAR COVER TO THE MAIN REINFORCEMENT
 - FOUNDATION : 60mm
 - COLUMN UP TO PLINTH : 60mm
 - COLUMN ABOVE PLINTH : 40mm
 - BEAM : 25mm
 - WALL : 30mm
 - SLAB : 15-20mm
- LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
- NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
- USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
- ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

TENDER PURPOSE ONLY

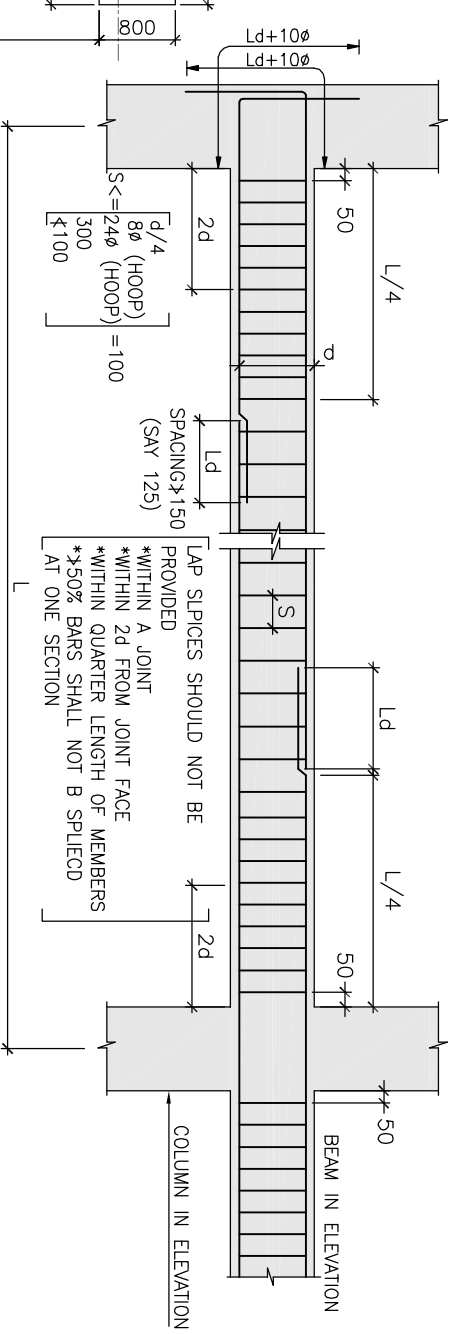
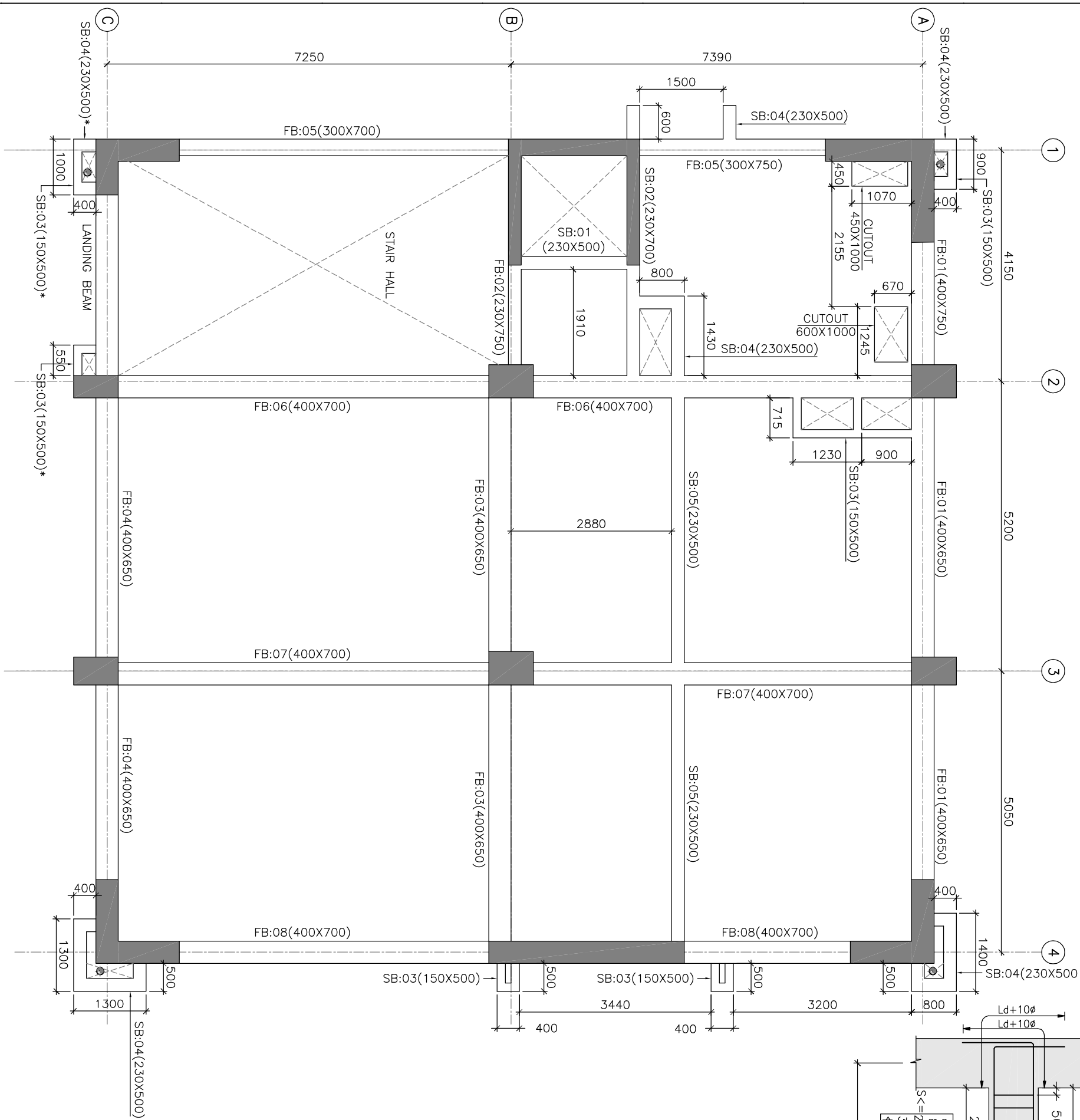
GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

NO.	REVISIONS	DATE
1	ISSUE FOR TENDER	17.04.2020

DETAILS OF FIRST FLOOR BEAM
L SECTION (SHEET 2 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : AS NOTED
DATE : 17.04.2020
ISSUE FOR TENDER
PROJECT NO. TCE.10477A-CV-1007-RC-1013
ISSUE FOR TENDER



**TYPICAL REINFORCEMENT
DETAIL OF BEAM**

- NOTES:
1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500

5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - a) VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - b) SLAB
 - (i) SPANNING UP TO 4.5m : 7 DAYS
 - (ii) SPANNING OVER 4.5m : 14 DAYS
 - c) BEAM
 - (i) SPANNING UP TO 6.0m : 14 DAYS
 - (ii) SPANNING OVER 6.0m : 21 DAYS
8. CLEAR COVER TO THE MAIN REINFORCEMENT
 - a) FOUNDATION : 60mm
 - b) COLUMN UP TO PLINTH : 60mm
 - c) COLUMN ABOVE PLINTH : 40mm
 - d) BEAM : 25mm
 - e) WALL : 30mm
 - f) SLAB : 15-20mm
9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

BEAMS MARKED AS * SHALL BE PLACED AT LANDING LEVEL

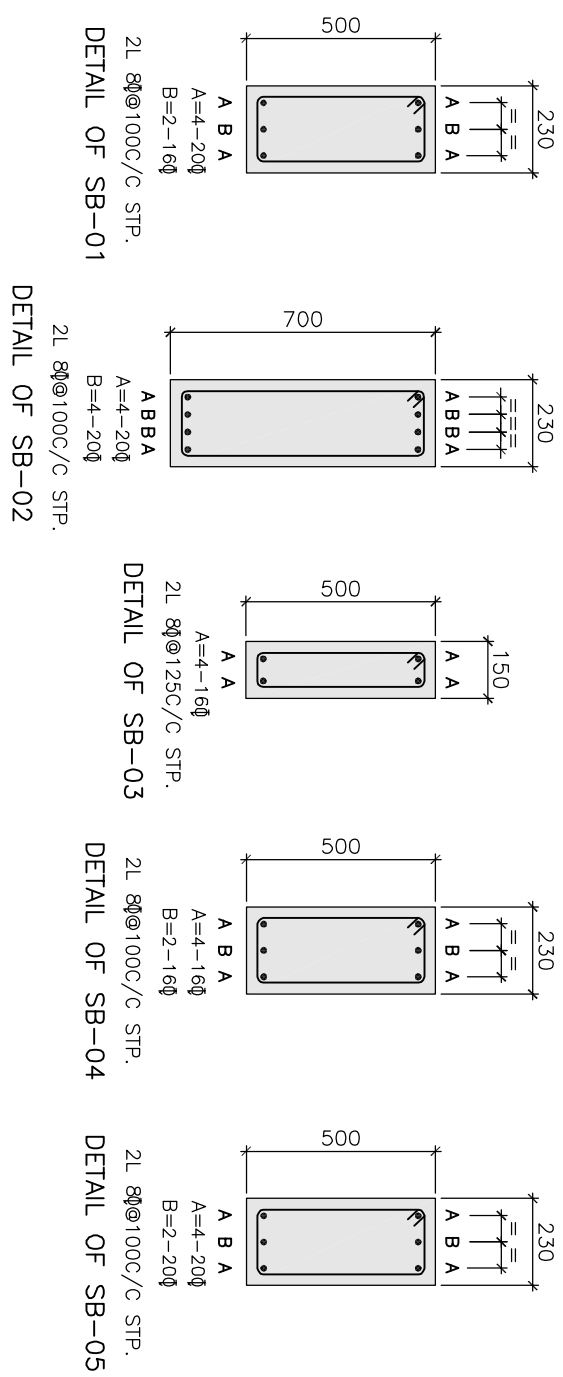
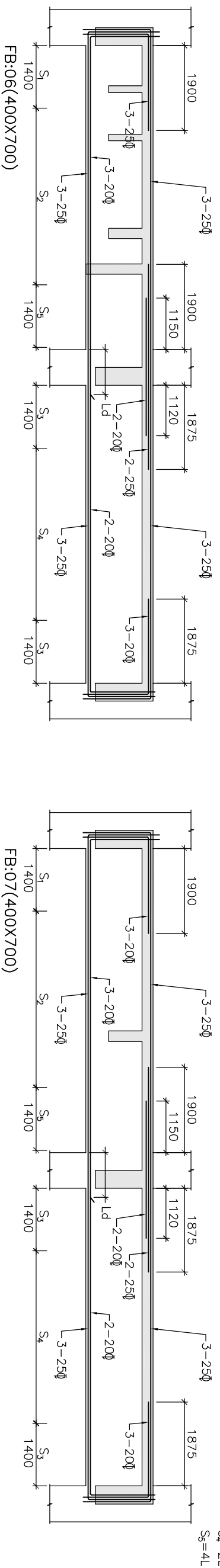
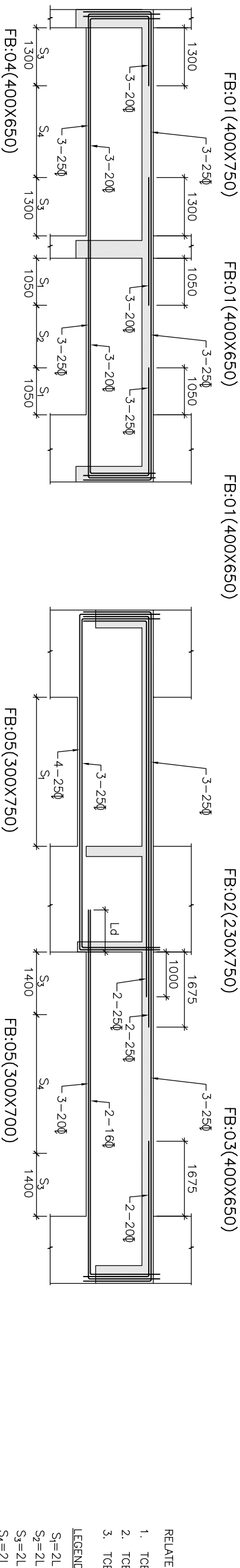
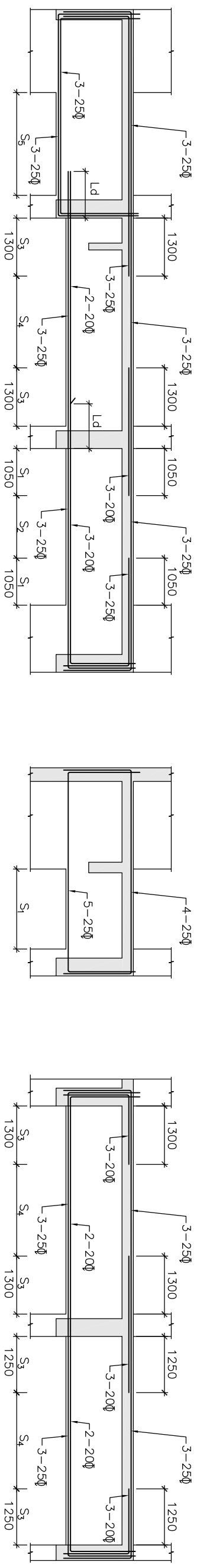
RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1015
3. TCE.10477A-CV-1007-RC-1025

GUWAHATI SMART CITY LIMITED												
SMART CITY MISSION GUWAHATI												
TENDER PURPOSE ONLY												
SIGN.	INITIALS											
DESIGN	SIGN.	DESIGN	CHKD	CV	EL	IC	ME	PI	HM	EXT	LS	
ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PI	HM	EXT	LS	
										PE/PM	APPD	
											DATE	
												17.04.2020

**DETAILS OF SECOND FLOOR BEAM
BEAM LAYOUT (SHEET 1 / 2)**

TATA CONSULTING ENGINEERS LIMITED
MUMBAI



- NOTES:**
- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 - ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 - GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 - GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
 - THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"
 - DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

d) VERTICAL FACES OF COLUMN, BEAM & WALL	: 24 HOURS
b) SLAB	(i) SPANNING UP TO 4.5m : 7 DAYS
	(ii) SPANNING OVER 4.5m : 14 DAYS
c) BEAM	(i) SPANNING UP TO 6.0m : 14 DAYS
	(ii) SPANNING OVER 6.0m : 21 DAYS
 - CLEAR COVER TO THE MAIN REINFORCEMENT

d) FOUNDATION	: 60mm
b) COLUMN UP TO PLINTH	: 60mm
c) COLUMN ABOVE PLINTH	: 40mm
d) BEAM	: 25mm
e) WALL	: 30mm
f) SLAB	: 15-20mm
 - LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
 - NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
 - USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
 - ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 - BEAMS MARKED AS * SHALL BE PLACED AT LANDING LEVEL

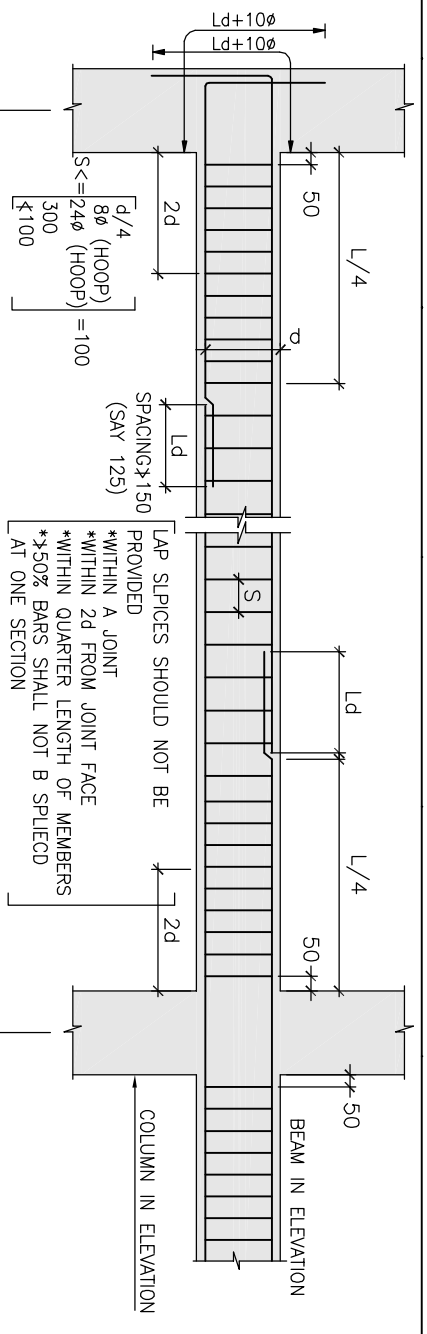
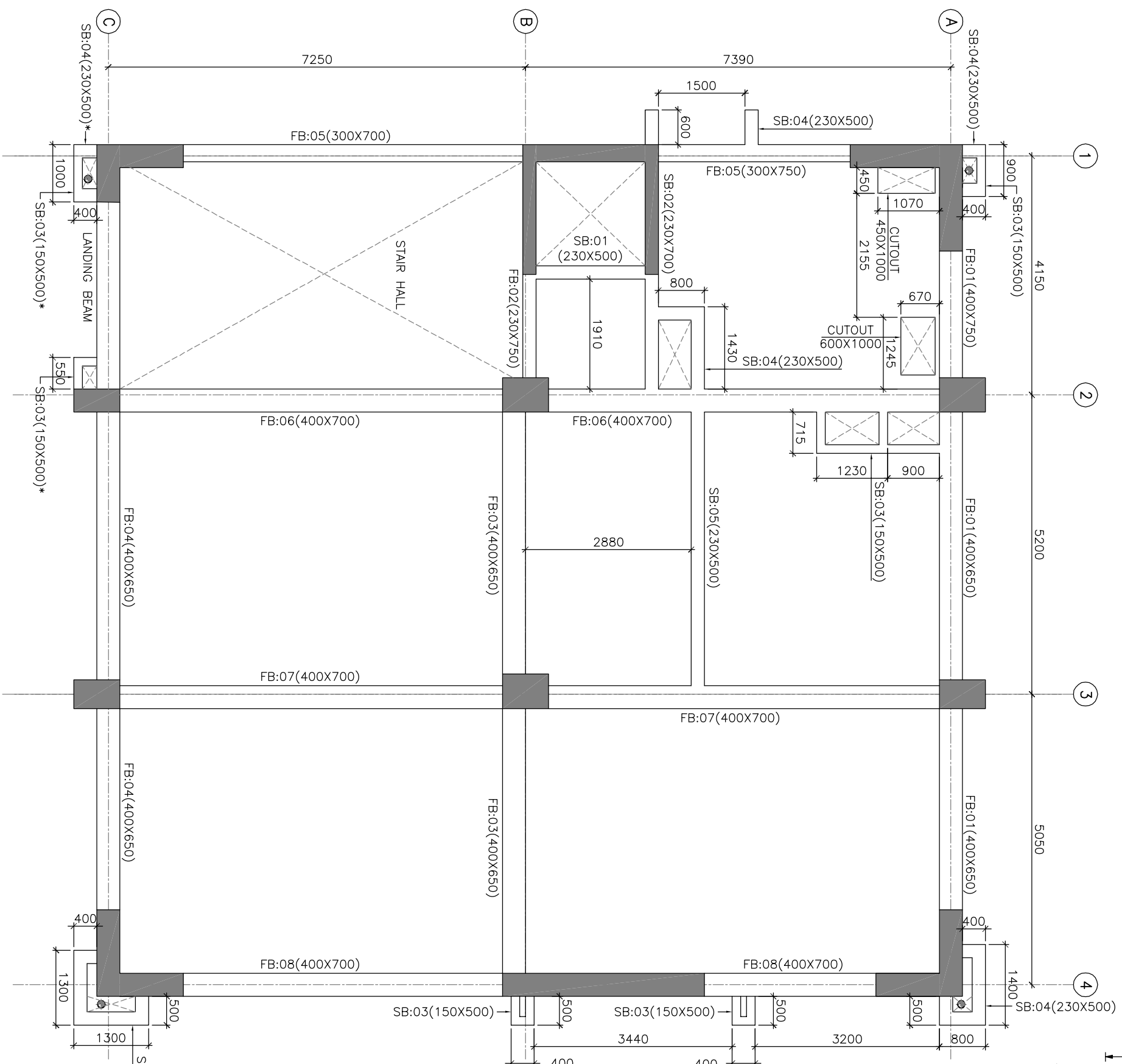
TENDER PURPOSE ONLY

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

SIGN.	INITIALS	REVISIONS	DATE

DETAILS OF SECOND FLOOR BEAM
L SECTION (SHEET 2 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI



TYPICAL REINFORCEMENT DETAIL OF BEAM

NOTES:

1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
4. GRADE OF REINFORCEMENT STEEL SHALL BE OF F₅₀₀
5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

- | | | |
|--|---|-------------------------|
| a) VERTICAL FACES OF COLUMN, BEAM & WALL | : | 24 HOURS |
| b) SLAB | : | 7 DAYS |
| | | (i) SPANNING UPTO 4.5m |
| | | (ii) SPANNING OVER 4.5m |
| c) BEAM | : | 14 DAYS |
| | | (i) SPANNING UPTO 6.0m |
| | | (ii) SPANNING OVER 6.0m |
| | : | 21 DAYS |

8. CLEAR COVER TO THE MAIN REINFORCEMENT

- | | | |
|------------------------|---|---------|
| a) FOUNDATION | : | 60mm |
| b) COLUMN UPTO PLINTH | : | 60mm |
| c) COLUMN ABOVE PLINTH | : | 40mm |
| d) BEAM | : | 25mm |
| e) WALL | : | 30mm |
| f) SLAB | : | 15-20mm |

9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.

10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION

11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.

12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

BEAMS MARKED AS * SHALL BE PLACED AT LANDING LEVEL

RELATED DRAWINGS:

1. TCE.10477A-CV-1007-RC-1001
2. TCE.10477A-CV-1007-RC-1017
3. TCE.10477A-CV-1007-RC-1026

TENDER PURPOSE ONLY

SRNL	INITIALS	REVISIONS	DATE

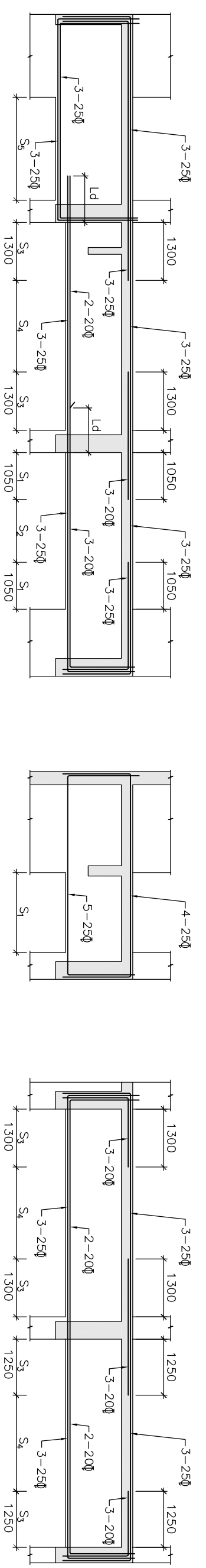
SRNL	ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PI	HM	EXT	LS	PE/PM	APPD	DATE

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

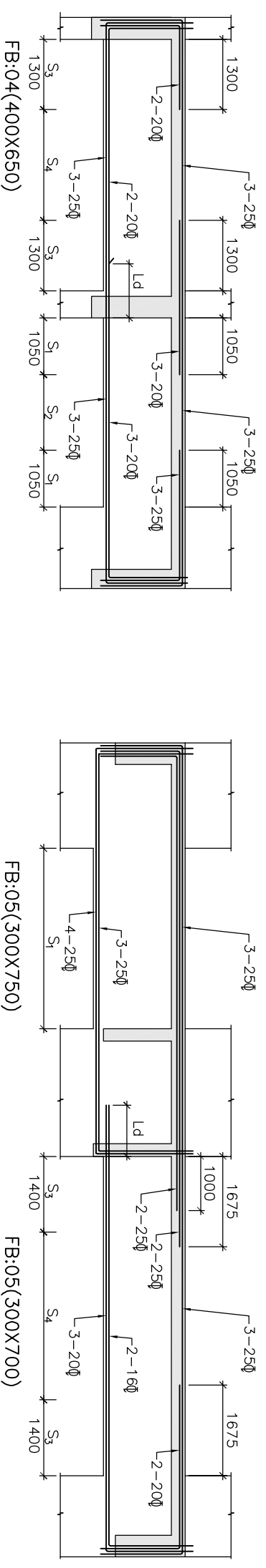
DETAILS OF THIRD FLOOR BEAM LAYOUT (SHEET 1 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

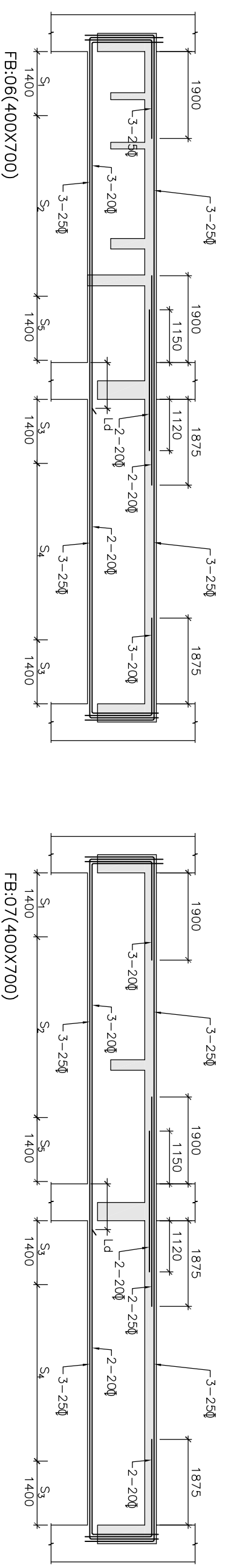
SCALE : AS NOTED
DC & DSCR : ---
DATE : 17.04.2020
ISSUE : R0



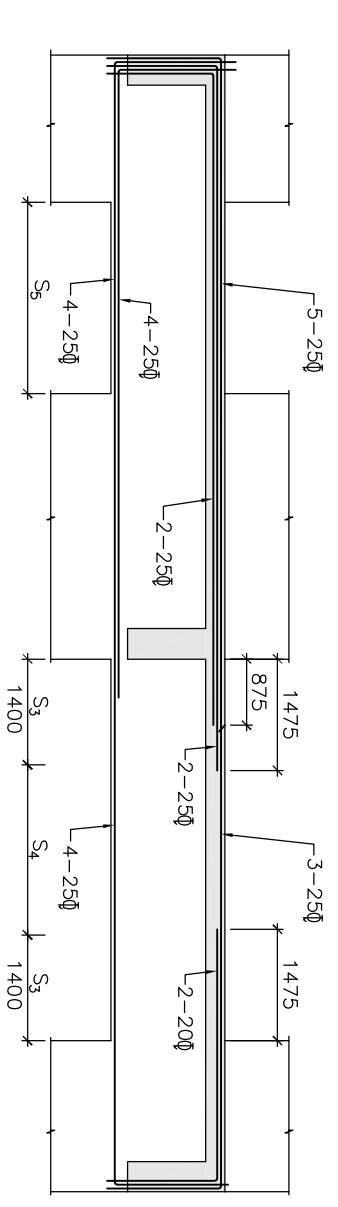
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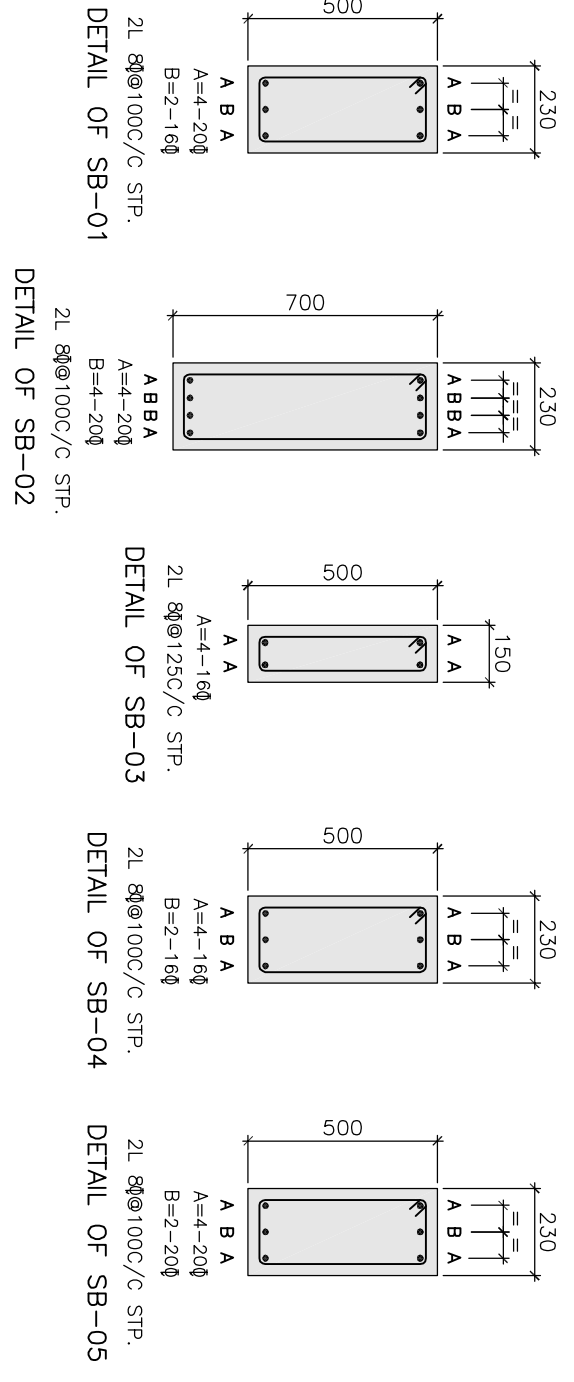
FB:04(400X650) FB:05(300X750) FB:05(300X700)



FB:06(400X700) FB:07(400X700) FB:07(400X700)



FB:08(400X700)



DETAIL OF SB-01
DETAIL OF SB-02
DETAIL OF SB-03
DETAIL OF SB-04
DETAIL OF SB-05

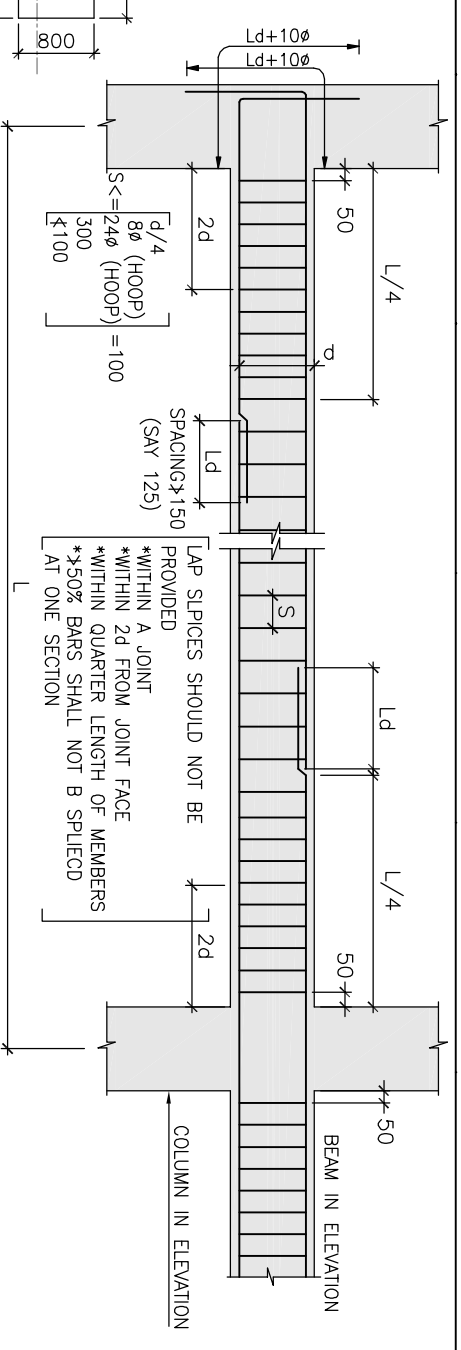
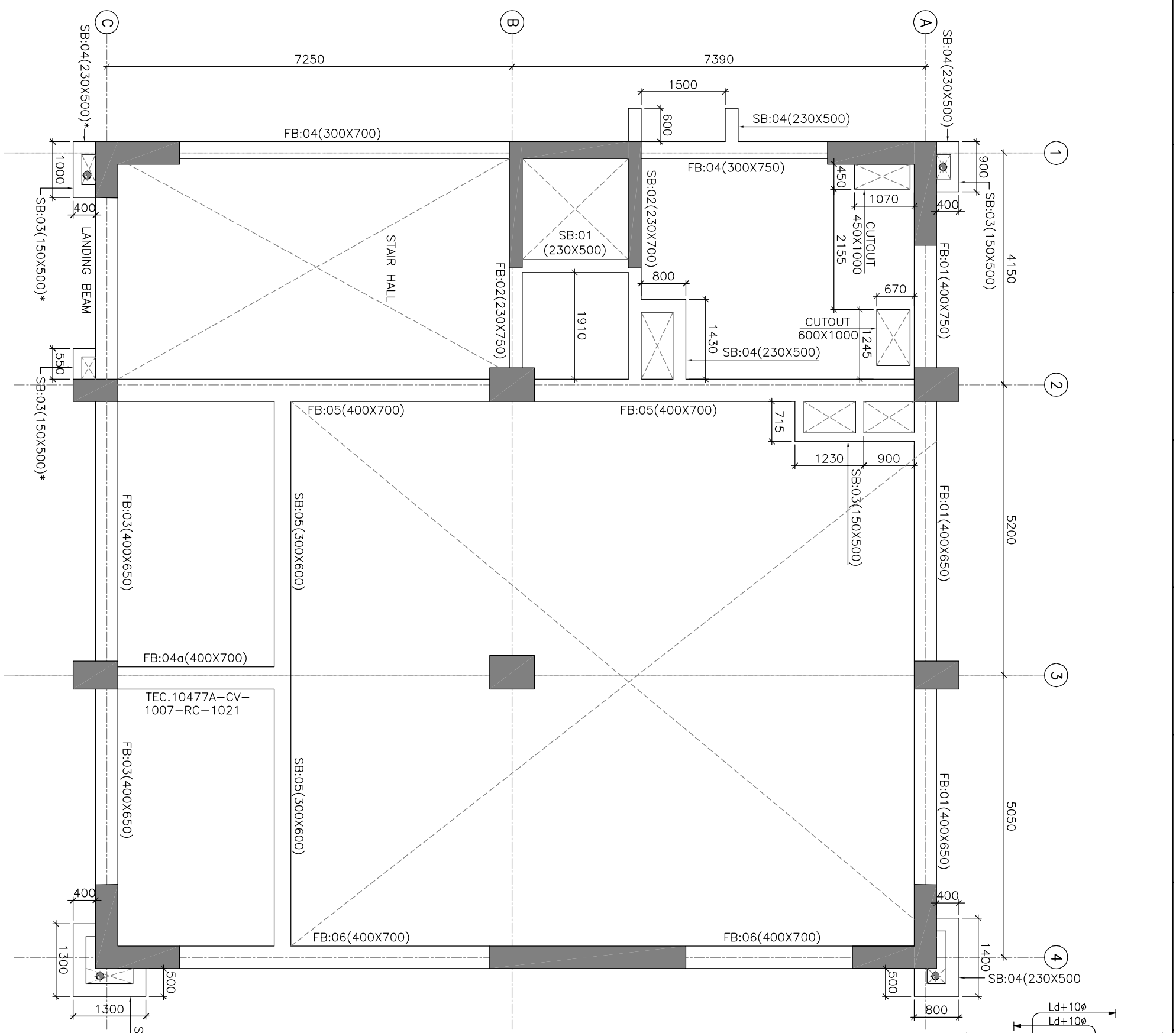
- NOTES:
- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 - ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 - GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 - GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500
 - THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"
 - DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

a) VERTICAL FACES OF COLUMN, BEAM & WALL	: 24 HOURS
b) SLAB	(i) SPANNING UP TO 4.5m : 7 DAYS
	(ii) SPANNING OVER 4.5m : 14 DAYS
c) BEAM	(i) SPANNING UP TO 6.0m : 14 DAYS
	(ii) SPANNING OVER 6.0m : 21 DAYS
 - CLEAR COVER TO THE MAIN REINFORCEMENT

a) FOUNDATION	: 60mm
b) COLUMN UP TO PLINTH	: 60mm
c) COLUMN ABOVE PLINTH	: 40mm
d) BEAM	: 25mm
e) WALL	: 30mm
f) SLAB	: 15-20mm
 - LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
 - NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
 - USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
 - ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
 - BEAMS MARKED AS * SHALL BE PLACED AT LANDING LEVEL.

TENDER PURPOSE ONLY

GUWAHATI SMART CITY LIMITED									
SMART CITY MISSION GUWAHATI									
SIGN.	INITIALS	REVISIONS	SIGN.	INITIALS	ISSUE	DRN	DSN	CHD	DATE
									17.04.2020



**TYPICAL REINFORCEMENT
DETAIL OF BEAM**

- NOTES:
1. ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
 2. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
 3. GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
 4. GRADE OF REINFORCEMENT STEEL SHALL BE OF Fe500

5. THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"

6. DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-
 - a) VERTICAL FACES OF COLUMN, BEAM & WALL : 24 HOURS
 - b) SLAB
 - (i) SPANNING UPTO 4.5m : 7 DAYS
 - (ii) SPANNING OVER 4.5m : 14 DAYS
 - c) BEAM
 - (i) SPANNING UPTO 6.0m : 14 DAYS
 - (ii) SPANNING OVER 6.0m : 21 DAYS

8. CLEAR COVER TO THE MAIN REINFORCEMENT
 - a) FOUNDATION : 60mm
 - b) COLUMN UPTO PLINTH : 60mm
 - c) COLUMN ABOVE PLINTH : 40mm
 - d) BEAM : 25mm
 - e) WALL : 30mm
 - f) SLAB : 15-20mm

9. LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
10. NOT MORE THAN 50% OF THE BARS SHALL BE SPLICED AT ONE SECTION
11. USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
12. ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.

13. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.

BEAMS MARKED AS * SHALL BE PLACED AT LANDING LEVEL

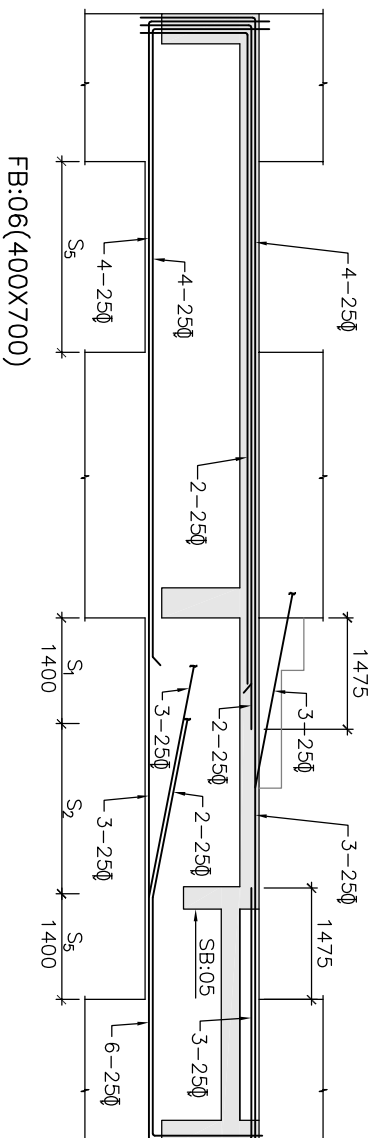
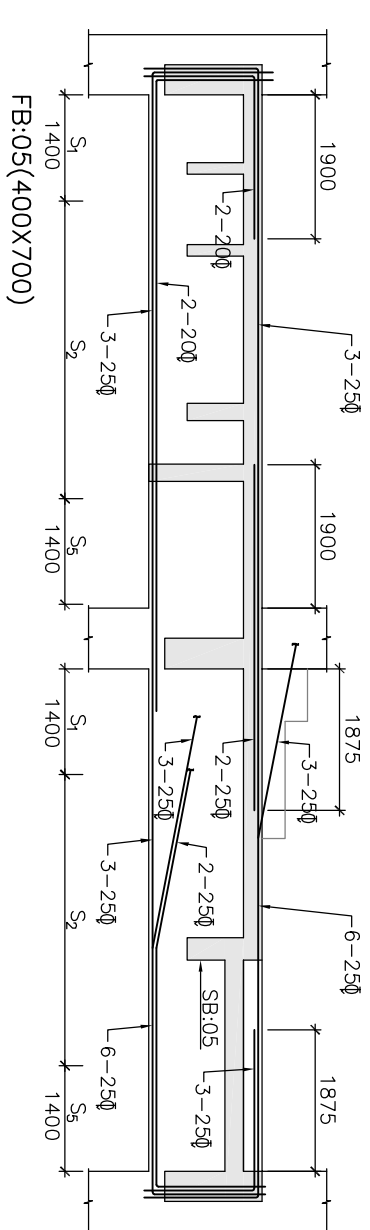
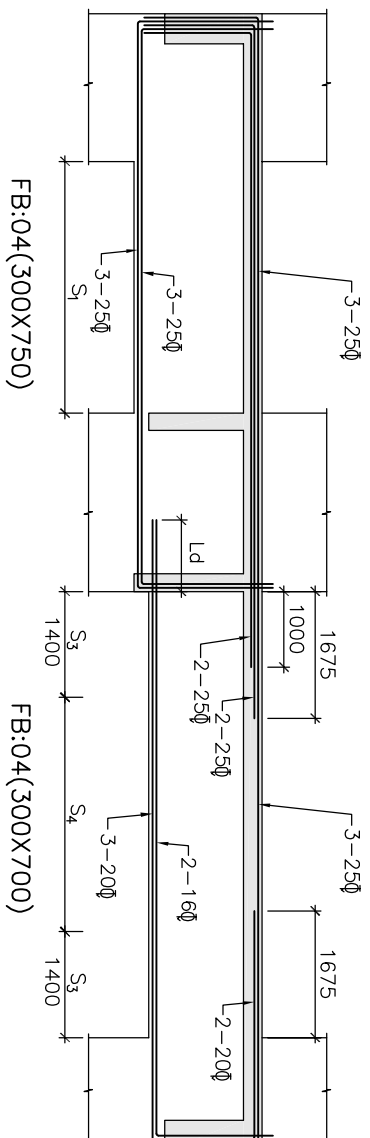
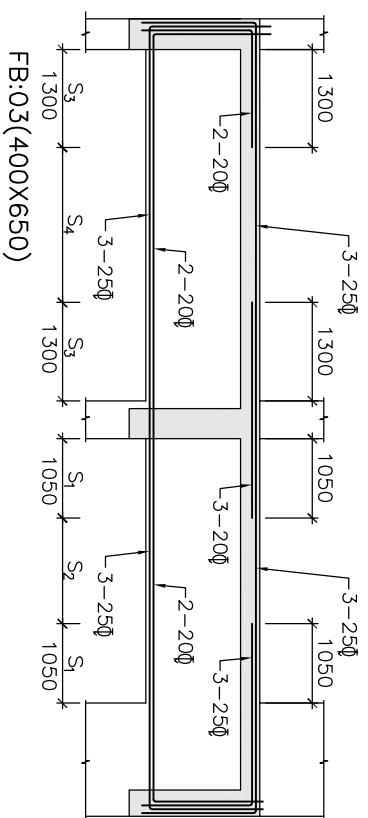
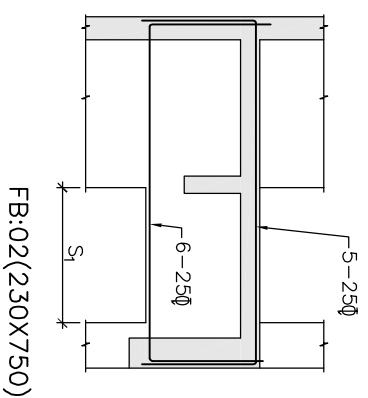
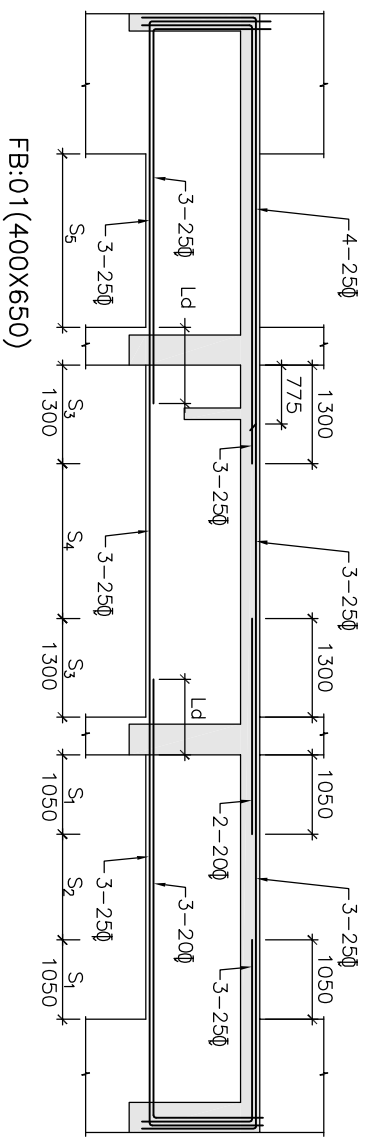
- RELATED DRAWINGS:
1. TCE.10477A-CV-1007-RC-1001
 2. TCE.10477A-CV-1007-RC-1019
 3. TCE.10477A-CV-1007-RC-1020
 4. TCE.10477A-CV-1007-RC-1021
 5. TCE.10477A-CV-1007-RC-1027
 6. TCE.10477A-CV-1007-RC-1028

TENDER PURPOSE ONLY																			
GUWAHATI SMART CITY LIMITED																			
SMART CITY MISSION GUWAHATI																			
SIGN.	INITIALS	REVISIONS	SIGN.	INITIALS	ISSUE	DRN	DSN	CHD	CV	EL	IC	ME	PI	HW	EXT	LS	FE/PM	APPD	DATE
																			17.04.2020

DETAILS OF FOURTH FLOOR BEAM (EL +18550)
BEAM LAYOUT (SHEET 1 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : AS NOTED DWG NO: TCE.10477A-CV-1007-RC-1018 ISSUE RO



FB:01 (400X650)

FB:02 (230X750)

FB:03 (400X650)

FB:04 (300X750)

FB:04 (300X700)

FB:05 (400X700)

FB:06 (400X700)

NOTES:

- ALL DIMENSIONS AND LEVELS ARE IN mm U.N.O.
- ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED, NOT TO BE MEASURED.
- GRADE OF CONCRETE SHALL BE OF M25(1:1:2) U.N.O.
- GRADE OF REINFORCEMENT STEEL SHALL BE OF F6500
- THESE DRAWINGS ARE THE PROPERTY OF M/S TATA CONSULTING ENGINEERS LIMITED. THOSE SHALL NOT BE COPIED, TRANSFERRED, MODIFIED OR USED FOR ANY PURPOSE OTHER THAN FOR THE PLANNING AND CONSTRUCTION OF "INTEGRATED COMMAND CONTROL CENTRE PROJECT AT PANJABARI, GUWAHATI"
- DE-SHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW:-

a) VERTICAL FACES OF COLUMN, BEAM & WALL	: 24 HOURS
b) SLAB	(i) SPANNING UP TO 4.5m : 7 DAYS
	(ii) SPANNING OVER 4.5m : 14 DAYS
c) BEAM	(i) SPANNING UP TO 6.0m : 14 DAYS
	(ii) SPANNING OVER 6.0m : 21 DAYS
- CLEAR COVER TO THE MAIN REINFORCEMENT

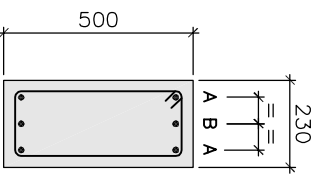
a) FOUNDATION	: 60mm
b) COLUMN UP TO PLINTH	: 60mm
c) COLUMN ABOVE PLINTH	: 40mm
d) BEAM	: 25mm
e) WALL	: 30mm
f) SLAB	: 15-20mm
- LAP & ANCHORAGE SHALL BE OF 50 TIMES OF BAR DIA.
- NOT MORE THAN 50% OF THE BARS SHALL BE SPICED AT ONE SECTION
- USE SPACE BAR TO AVOID CONGESTION, WHEREVER NECESSARY.
- ANY DISCREPANCY NOTED SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTANT.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS.
- BEAMS MARKED AS * SHALL BE PLACED AT LANDING LEVEL

RELATED DRAWINGS:

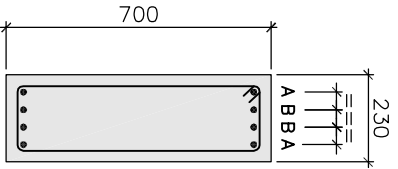
- TCE.10477A-CV-1007-RC-1001
- TCE.10477A-CV-1007-RC-1018
- TCE.10477A-CV-1007-RC-1020
- TCE.10477A-CV-1007-RC-1021
- TCE.10477A-CV-1007-RC-1027
- TCE.10477A-CV-1007-RC-1028

LEGEND:

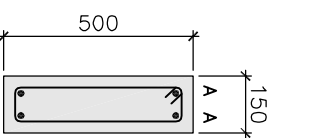
- S₁=2L 10Φ@100C/C STP.
 S₂=2L 10Φ@150C/C STP.
 S₃=2L 8Φ@100C/C STP.
 S₄=2L 8Φ@150C/C STP.
 S₅=4L 10Φ@100C/C STP.
 S₆=4L 10Φ@150C/C STP.



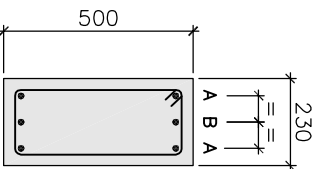
DETAIL OF SB-01
2L 8Φ@100C/C STP.



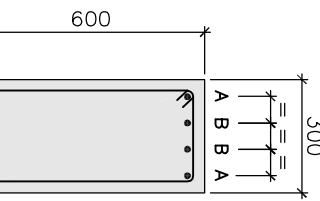
DETAIL OF SB-02
2L 8Φ@100C/C STP.



DETAIL OF SB-03
2L 8Φ@125C/C STP.



DETAIL OF SB-04
2L 8Φ@100C/C STP.



DETAIL OF SB-05
2L 8Φ@100C/C STP.

TENDER PURPOSE ONLY

SIGN.	INITIALS	REVISIONS	SIGN.	INITIALS	DATE
					17.04.2020
ISSUE	DRN	DSN	CHD	CV	EL
				IC	WE
				PI	HM
				EXT	LS
				FE	PM
				APPD	DATE

GUWAHATI SMART CITY LIMITED
SMART CITY MISSION GUWAHATI

DETAILS OF FOURTH FLOOR BEAM (EL+18550)
L SECTION (SHEET 2 / 2)

TATA CONSULTING ENGINEERS LIMITED
MUMBAI

SCALE : AS NOTED
DATE : 17.04.2020
DC & DSCR : ---

ISSUE R0