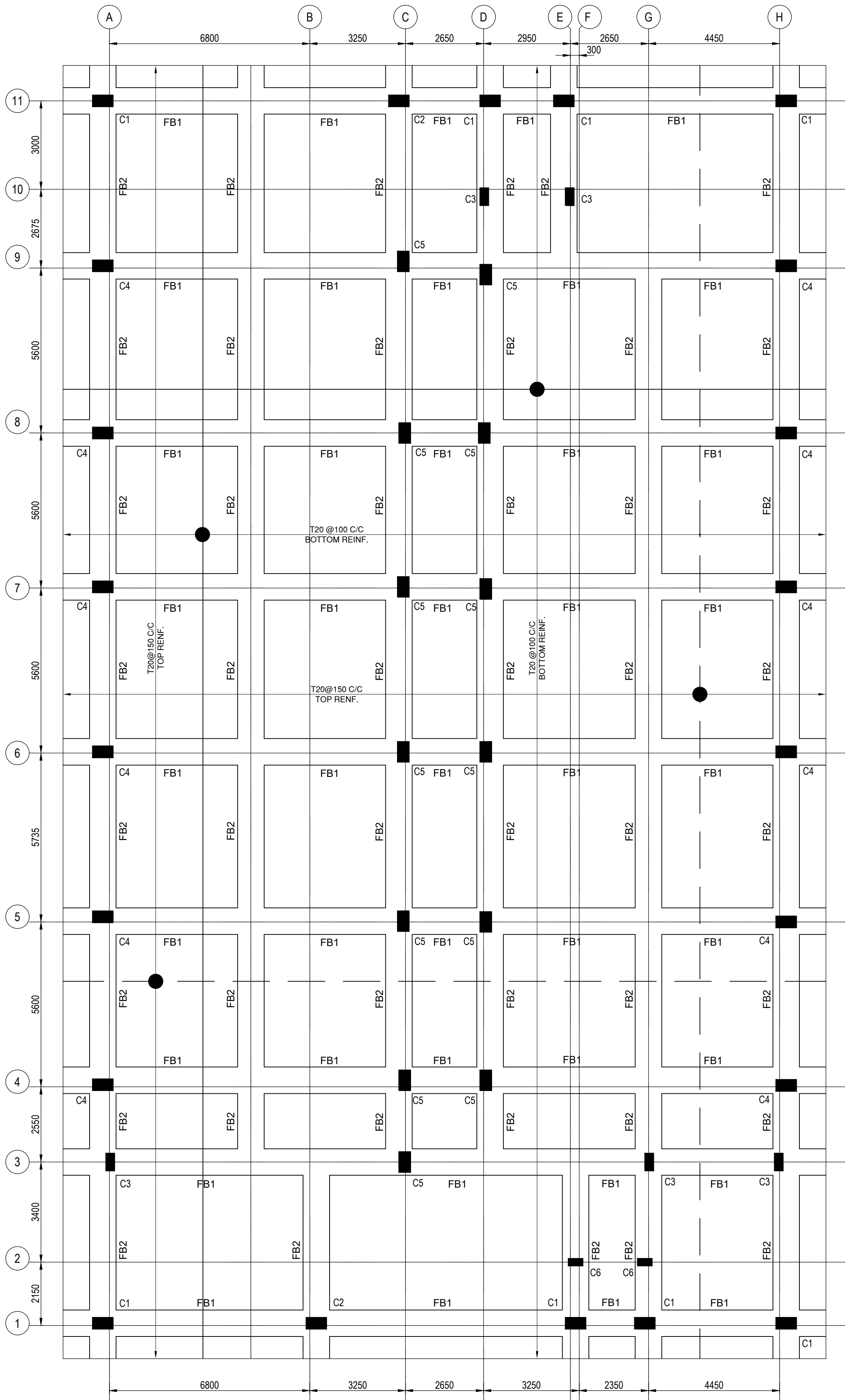
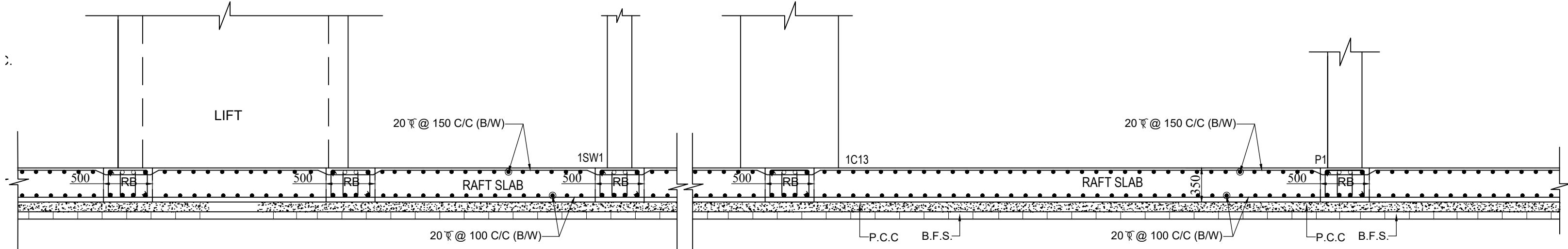
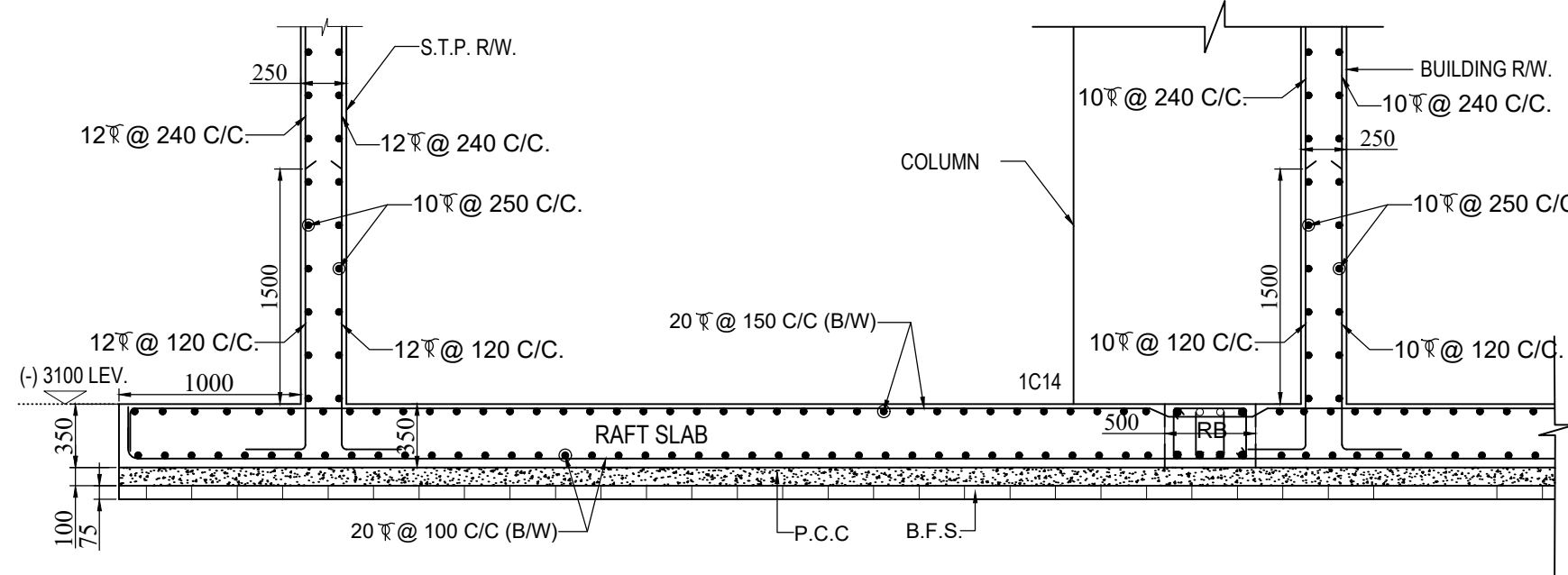


1. ALL DIMENSION ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. GRADE OF CONCRETE IN FOUNDATION, COLUMN, THE BEAM, STAIR, BEAM, LINTEL AND CHAJJA SHALL BE OF STRUCTURE MEMBER UNLESS SPECIFIED OTHERWISE WILL BE DESIGN M-25.
3. BAR SEPARATION TO BE STRICTLY TO HIGH YIELD STRENGTH DEFORMED STEEL BARS AS PER IS-1786.
4. NOMINAL (CLEAR) COVER TO REINFORCEMENT AS FOLLOWS:
 - 5. COVER TO ANY OTHER STRUCTURE MEMBER NOT MENTIONED HERE WILL BE AS PER IS-456-2000.
 - 6. ALL DISTRIBUTION ARE 8T @ 200 C/C. UNLESS OTHERWISE MENTIONED.
 - 7. DOWELS TO BE PROVIDED AT DIFFERENT LEVEL FROM COLUMN, WHERE NECESSARY FOR CONNECTING OF THE BEAM/LINTEL ETC.
 - 8. LAP LENGTH SHALL BE 50D (WHERE 'D' IS THE DIAMETER OF THE BAR).
 - 9. LAP LENGTH SHALL BE 50D (WHERE 'D' IS THE DIAMETER OF THE BAR). FOUNDATION WITH EXTRA 50MM PROJECTIONS ON ALL SIDES WILL BE PLACED OVER PROPERLY COMPACTED AND LEVELED EARTH.
10. SOIL BEARING CAPACITY ADOPTED AS PER RECOMMENDATION GIVEN BY GEOTECHNICAL EXPERT IN HIS REPORT.
11. SOIL BELOW FOUNDATION TO BE FULLY CONSOLIDATED BEFORE PLACING FOUNDATION. OVER THE ENTIRE AREA OF THE FULLED SOIL, THE FULL DEPTH OF SOIL TO BE DIVIDED INTO 150 MM LAYER AND FULL COMPACTION OF EACH LAYER TO BE ASCERTAINED.
12. PROPER CARE TO BE TAKEN DURING BINDING OF REINFORCEMENT TO AVOID ANY DISTURBANCE FROM THE DETAIL GIVEN IN THE DRAWINGS.
13. THE DETAIL OF CONFINING REINF. GIVEN IN DRG. AT BEAM COL. JUNCTION LAP SPLICES ETC. TO BE STRICTLY FOLLOWED.
14. POURING AND COMPACTING OF CONCRETE WILL BE DONE WITH PROPER CARE TO MINIMIZE VOIDS IN CONCRETE.

DESIGN & DRAWINGS PREPARED BY:
Office of Dean, Infrastructure & Planning
BIRLA INSTITUTE OF TECHNOLOGY, MESRA,
RANCHI



THICKNESS OF RAFT SLAB = 350MM
REINFORCEMENT DETAILS OF FOUNDATION
SCALE = 1:100



TYP SECTION OF RAFT SLAB
SCALE = 1:25

NOTES

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KEY-PLAN

KEY PLAN OF SECOND FLOOR

Note:

REVISIONS			
DATE	NO.	DESCRIPTION	DES BY/APP BY

CLIENT

BIRLA INSTITUTE OF TECHNOLOGY,
MESRA, RANCHI.

PROJECT

CIF BUILDING AT BIT CAMPUS
MESRA

TITLE

REINFORCEMENT DETAIL
FOUNDATION

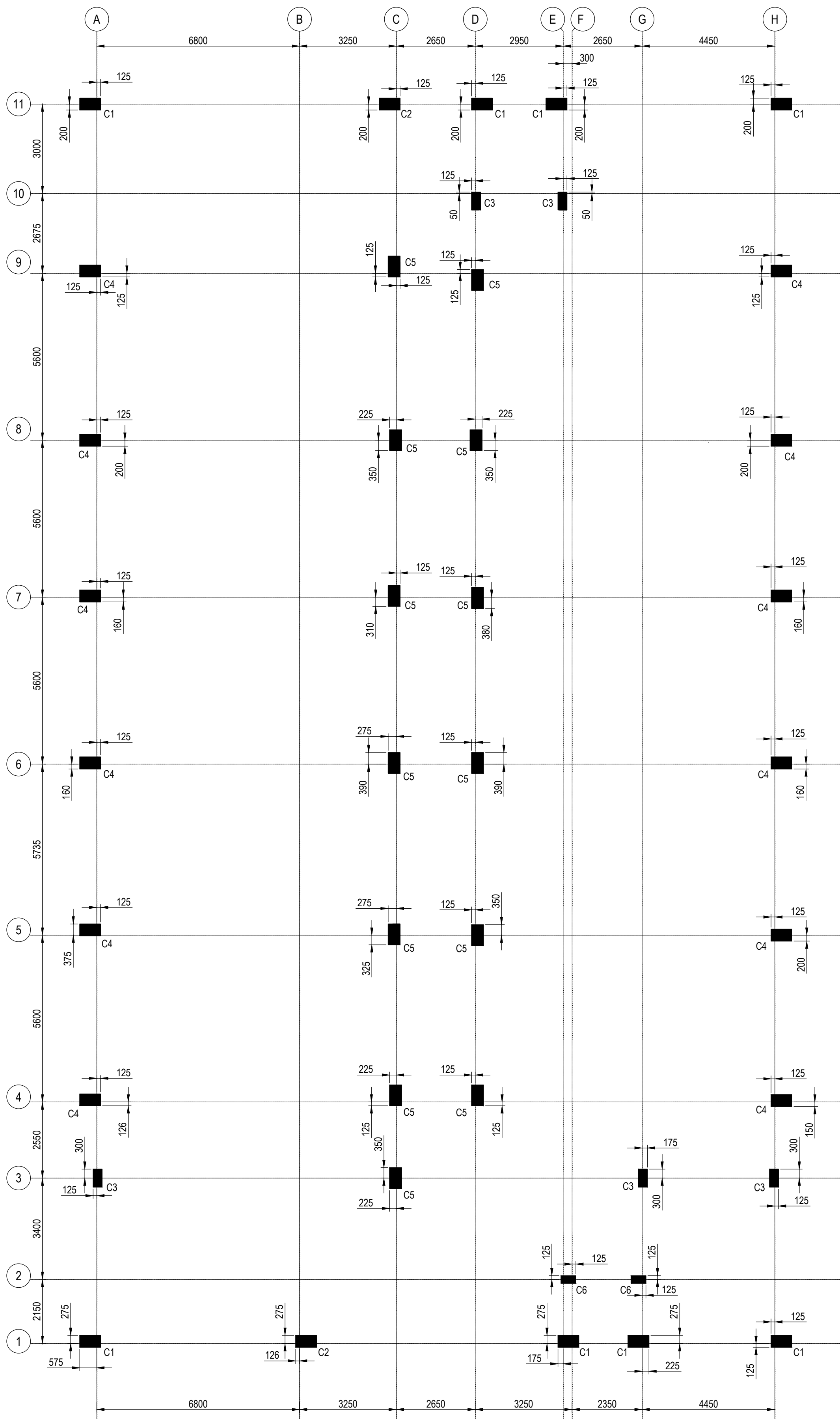
LOCATION	YEAR	PROJECT ID	DRAWING NUMBER	REVISION
MESRA	2025	P07	ST-002	RO

SCALE	DATE:
DESIGNED BY:	CHK BY:
APPROVED BY:	OFFICE OF ORIGIN:

ISSUED FOR:
FOR TENDER ONLY.

CONTRACTOR OR BUILD AGENCY

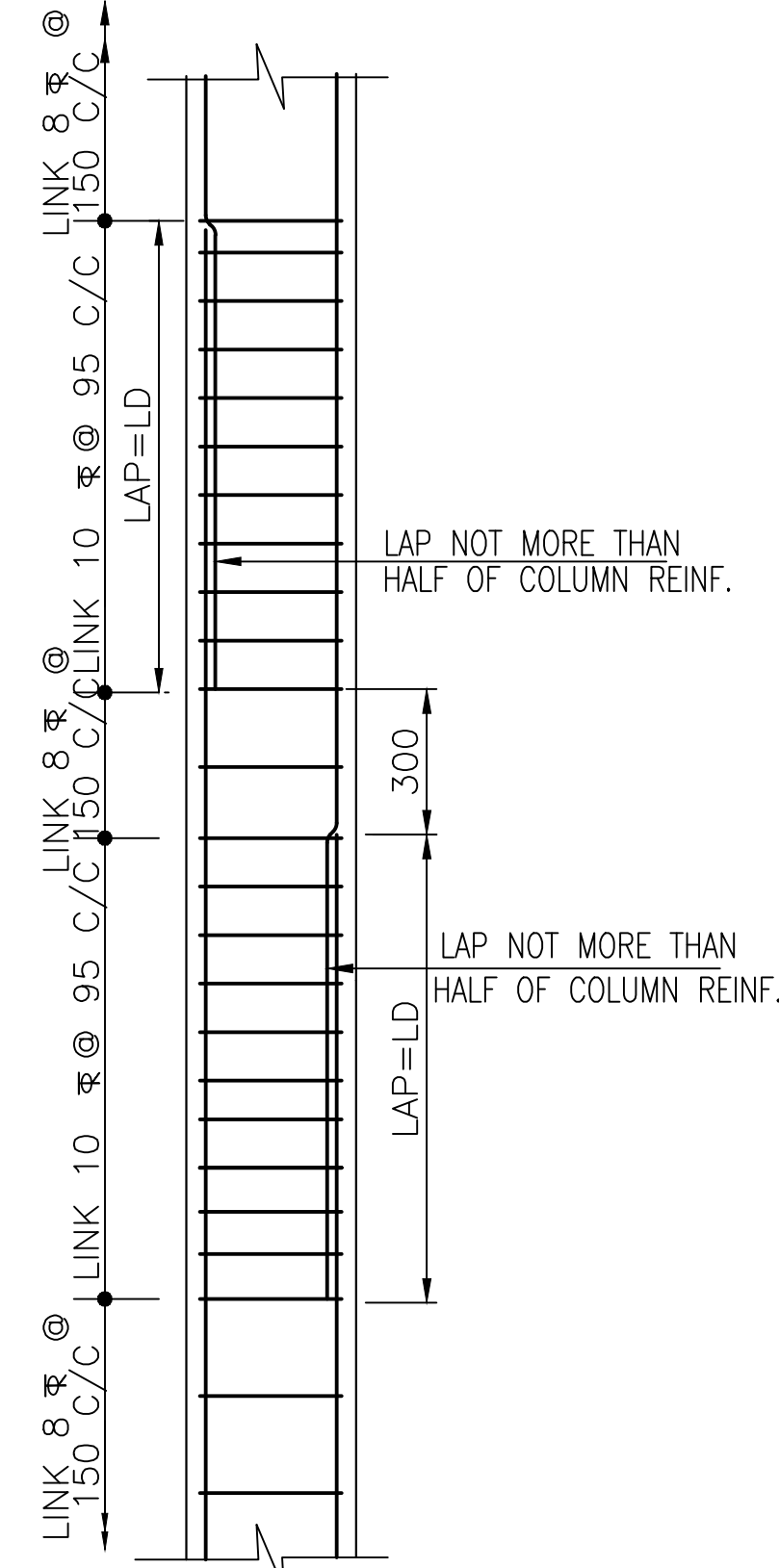
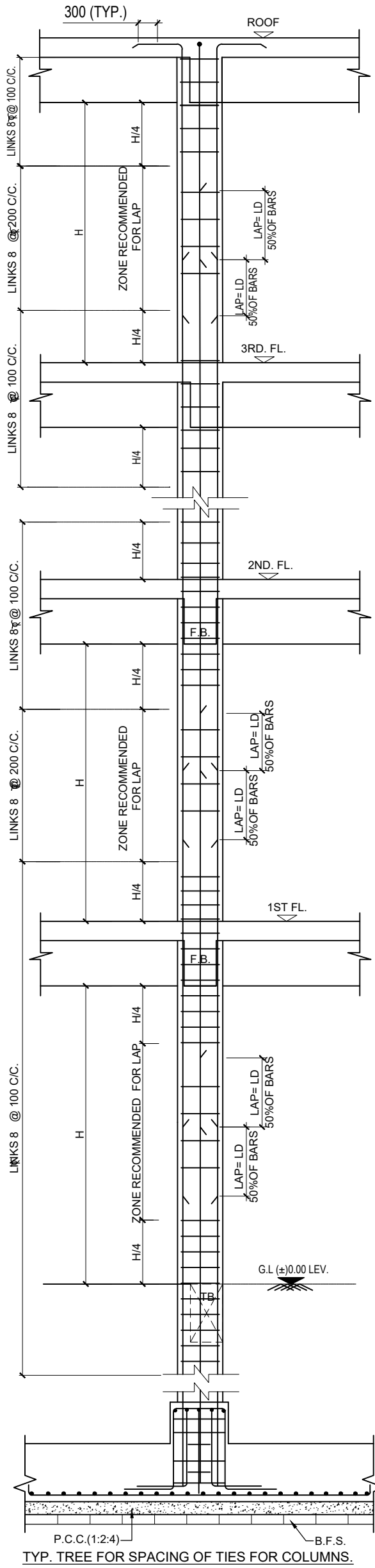
DESIGN & DRAWINGS PREPARED BY:
Office of Dean, Infrastructure & Planning
BIRLA INSTITUTE OF TECHNOLOGY, MESRA,
RANCHI



COLUMN LAY-OUT PLAN.

SCALE = 1:100

SECOND FLOOR TO TRESES	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm
	LINKS	LINKS	LINKS	LINKS	LINKS	LINKS
	T8 @ 175	T8 @ 175	T8 @ 250	T8 @ 250	T8 @ 175	T8 @ 175
FOUNDATION TO SECOND FLOOR	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm 	M25 : Fe500 , COVER = 40mm
	LINKS	LINKS	LINKS	LINKS	LINKS	LINKS
	T8 @ 250	T8 @ 300	T8 @ 300	T8 @ 300	T8 @ 250	T8 @ 175
COLUMN MARKED	C1	C2	C4	C5	C3	C6



TYP. DETAIL OF SPLICE

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KEY-PLAN

KEY PLAN OF SECOND FLOOR

Note:

REVISIONS			DATE		NO.		DESCRIPTION		DES BY APP BY	

CLIENT

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI.

PROJECT

CIF BUILDING AT BIT CAMPUS MESRA

TITLE

COLUMN LAYOUT PLAN AND REINFORCEMENT DETAIL

LOCATION	YEAR	PROJECT ID	DRAWING NUMBER	REVISION
MESRA	2025	P07	ST-003	RO

SCALE

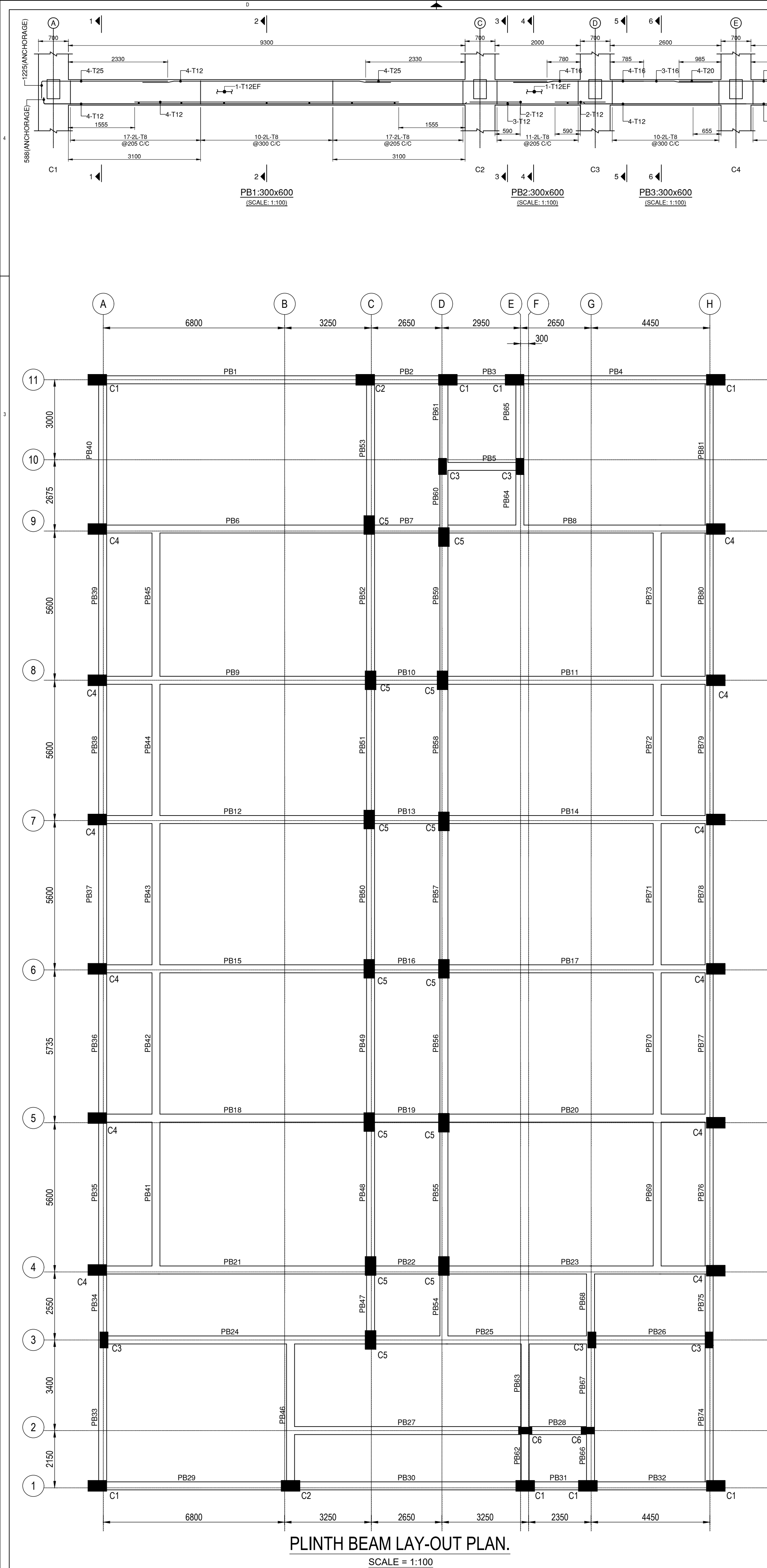
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APPROVED BY:	OFFICE OF ORIGIN:	

ISSUED FOR:

FOR TENDER ONLY.

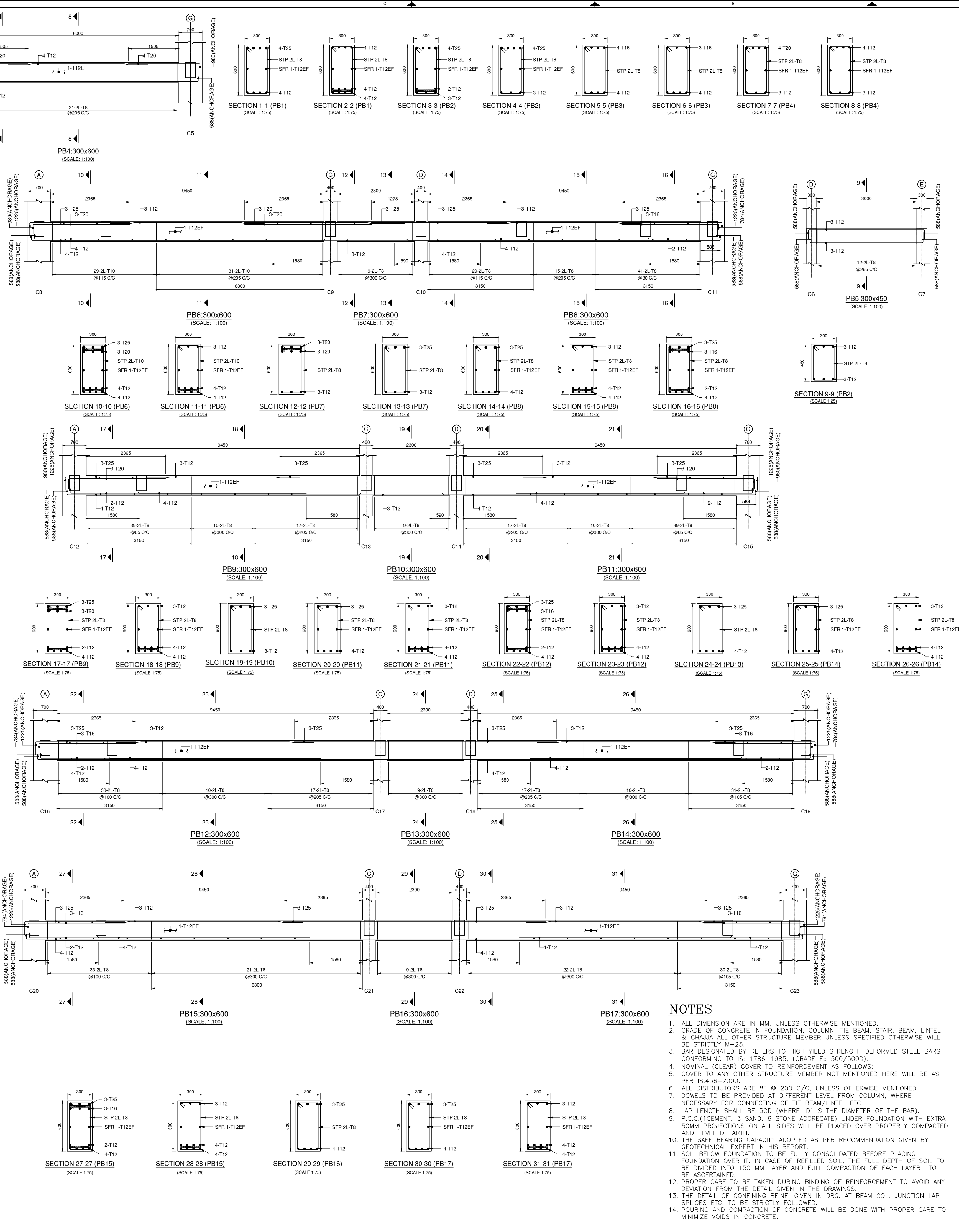
CONTRACTOR OR BUILD AGENCY

DESIGN & DRAWINGS PREPARED BY:
Office of Dean, Infrastructure & Planning
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI



PLINTH BEAM LAY-OUT PLAN.

SCALE = 1:100



NOTES

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KEY-PLAN

KEY PLAN OF SECOND FLOOR

Note:

REVISIONS			
DATE	NO.	DESCRIPTION	DES BY/APP BY

CLIENT

BIRLA INSTITUTE OF TECHNOLOGY,
MESRA, RANCHI.

PROJECT

CIF BUILDING AT BIT CAMPUS
MESRA

TITLE

PLINTH BEAM LAYOUT PLAN
AND REINFORCEMENT DETAIL

LOCATION	YEAR	PROJECT ID	DRAWING NUMBER	REVISION
MESRA	2025	P07	ST-004	RO

SCALE

DESIGNED BY:

APPROVED BY:

DATE:

CHK BY:

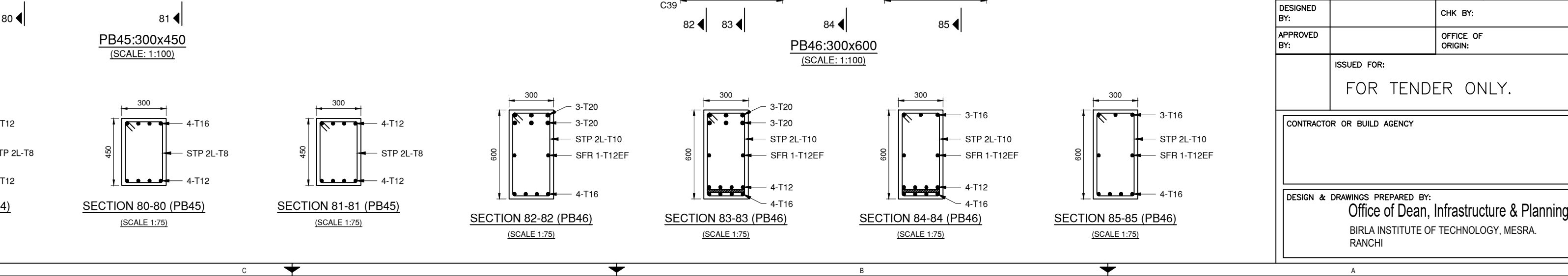
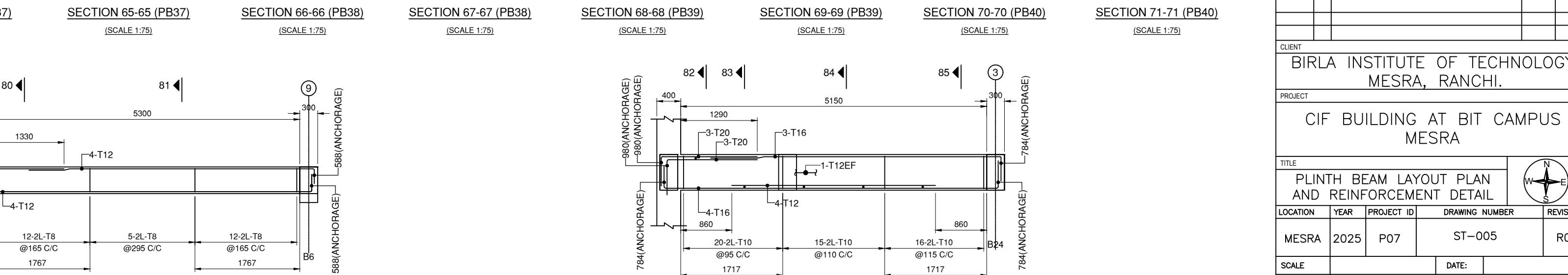
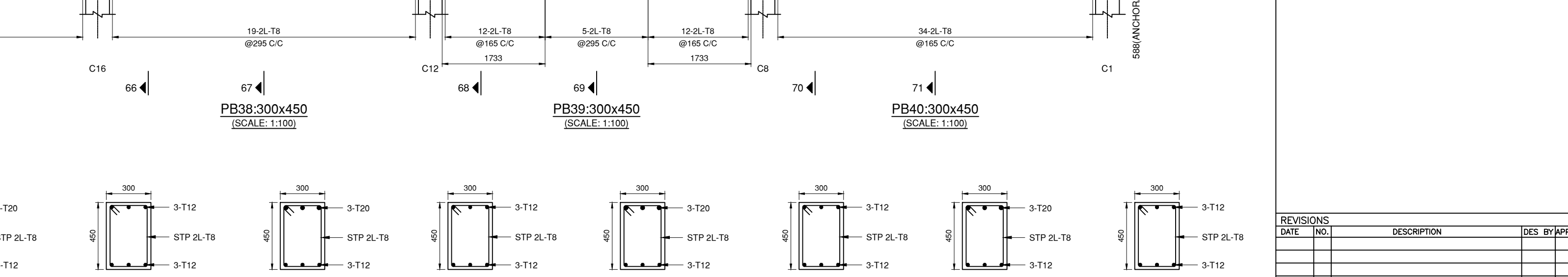
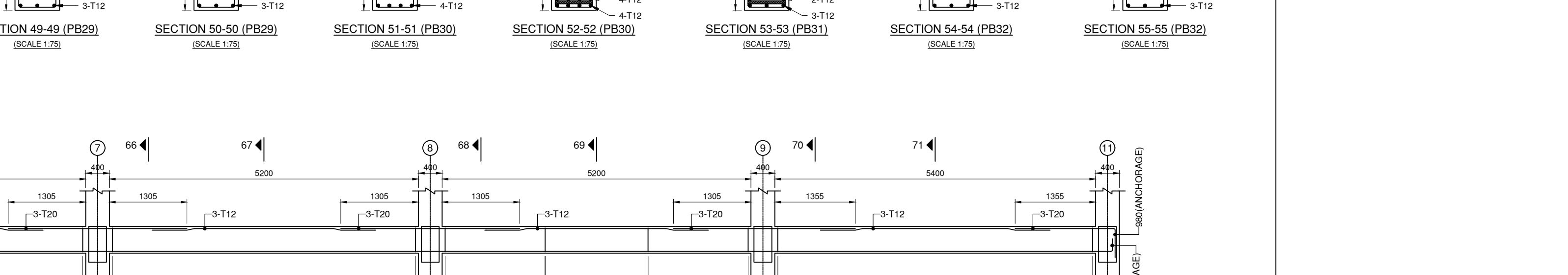
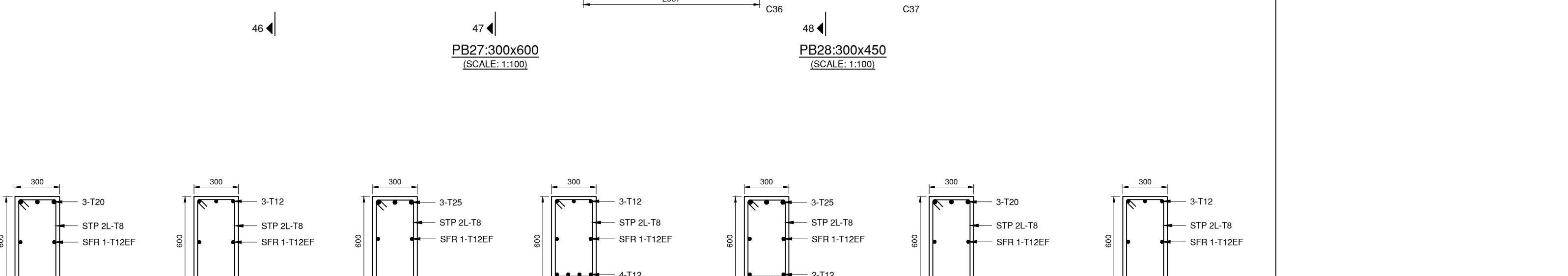
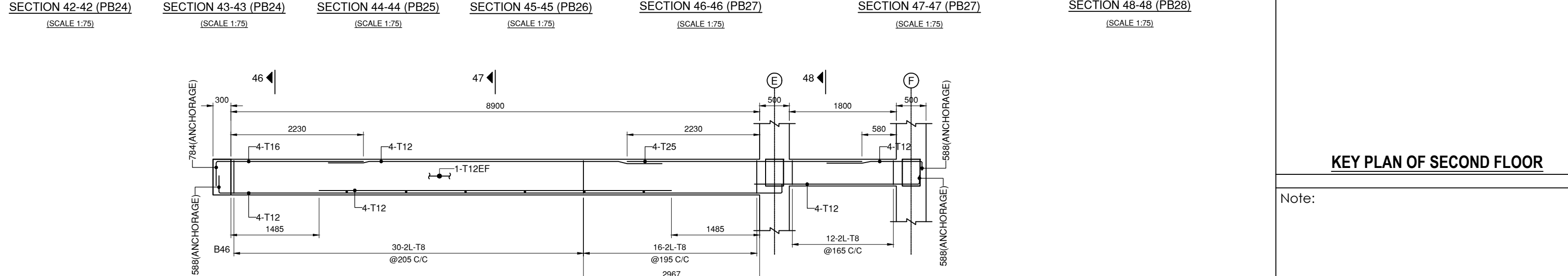
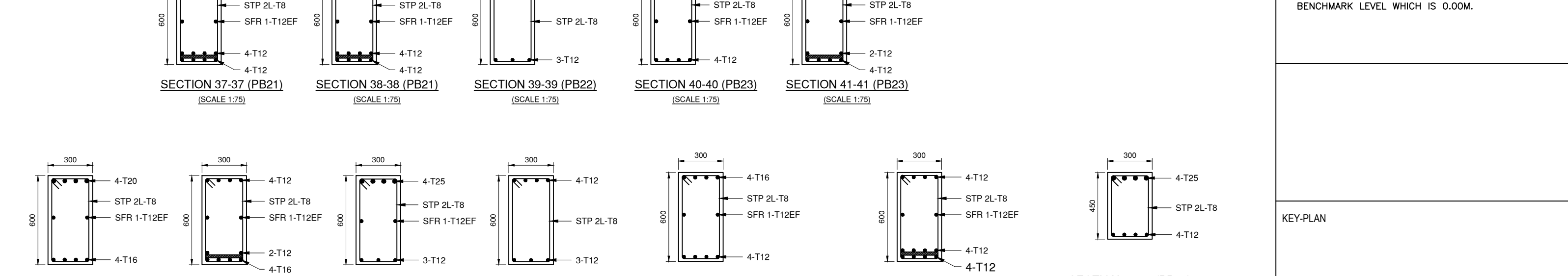
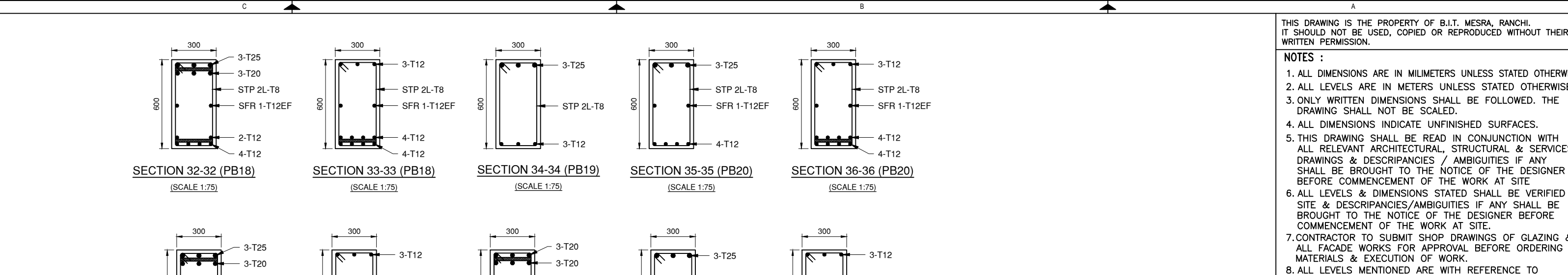
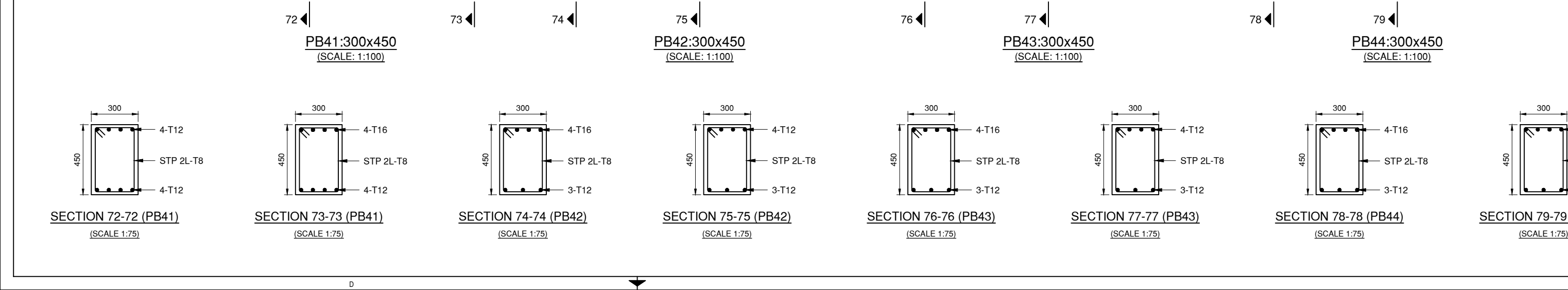
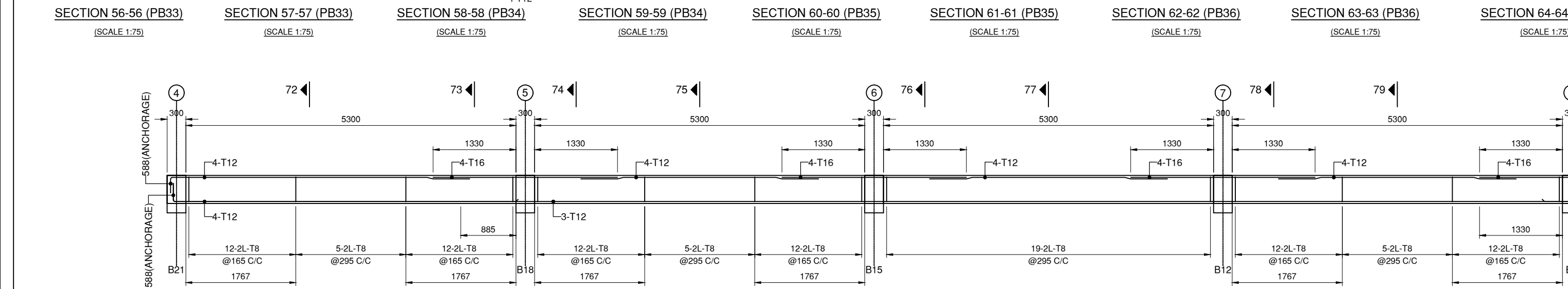
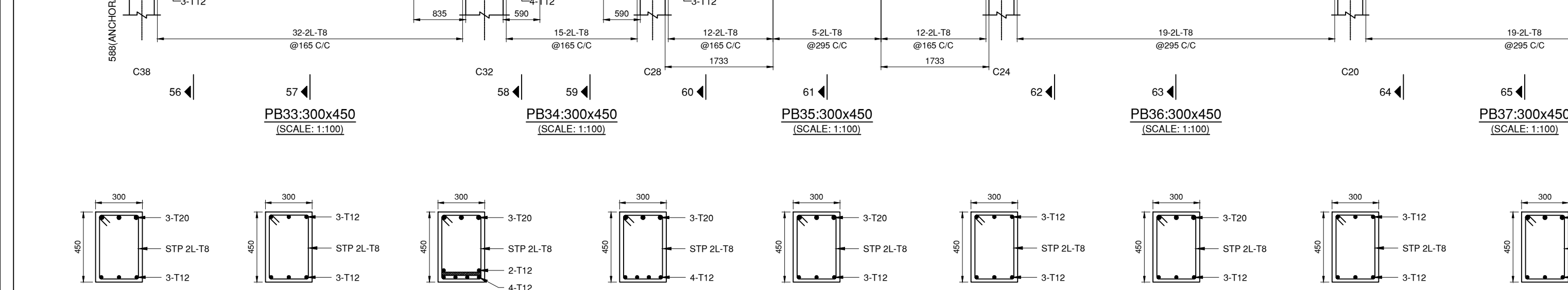
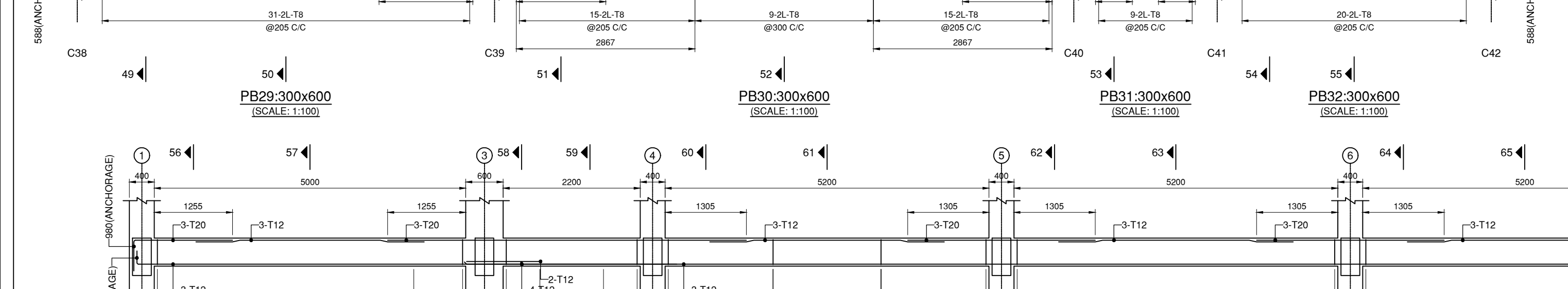
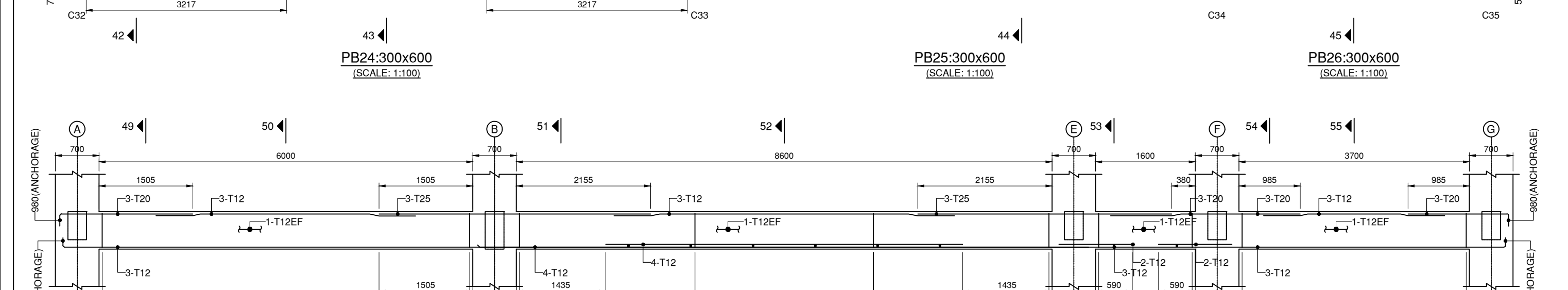
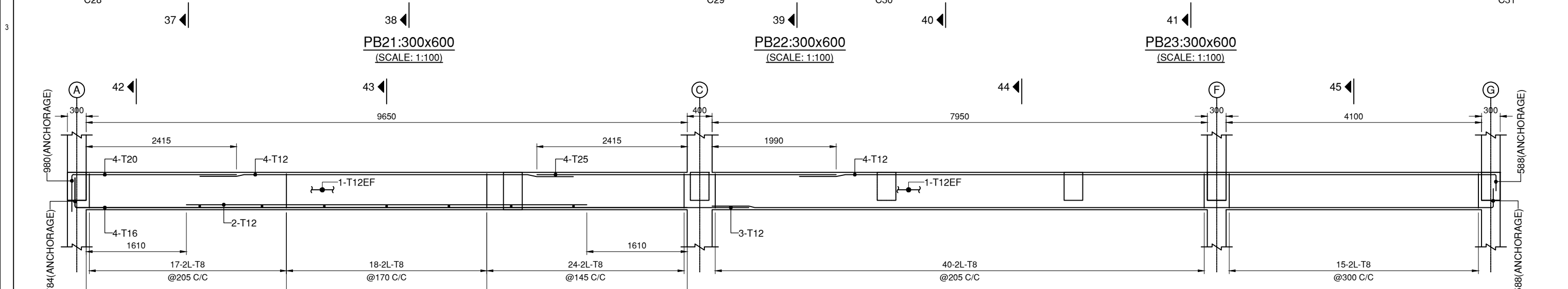
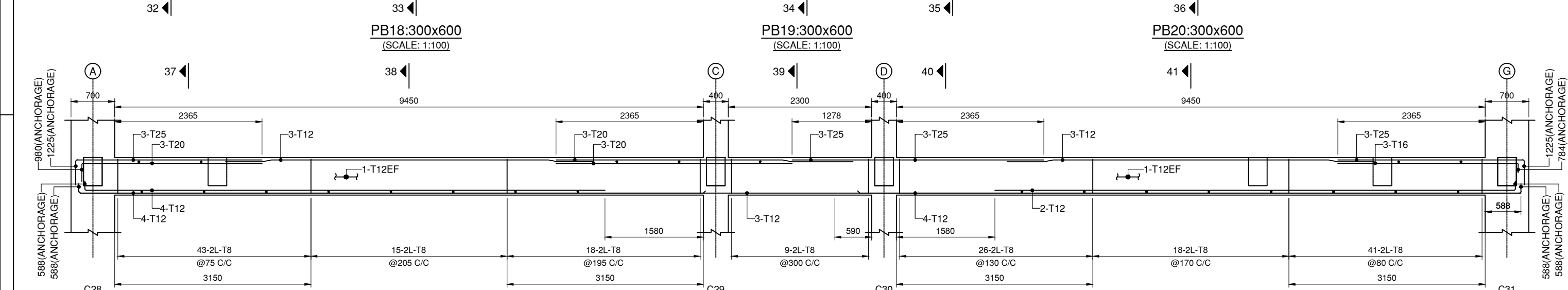
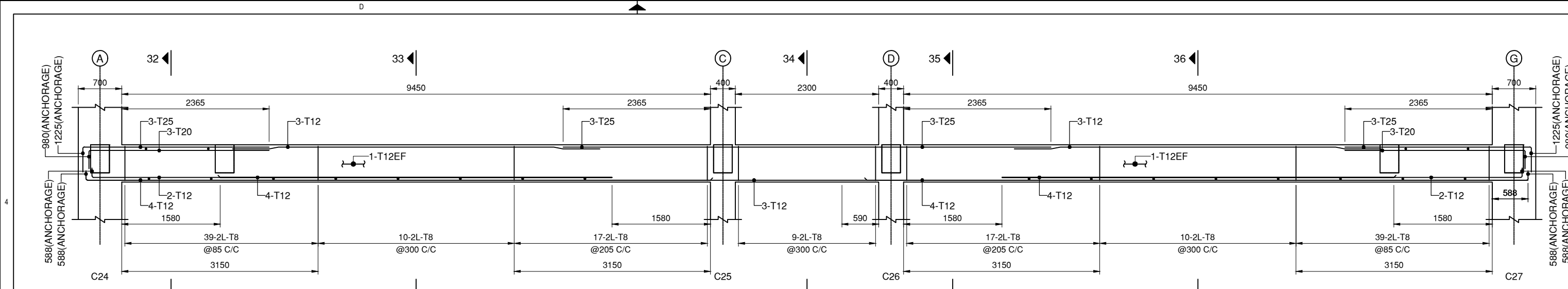
OFFICE OF ORIGIN:

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DESIGN & DRAWINGS PREPARED BY:

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BIRLA INSTITUTE OF TECHNOLOGY, MESRA,
RANCHI



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KEY-PLAN

KEY PLAN OF SECOND FLOOR

Note:

REVISIONS			
DATE	NO.	DESCRIPTION	DES BY/APP BY

CLIENT
BIRLA INSTITUTE OF TECHNOLOGY,
MESRA, RANCHI.

PROJECT
CIF BUILDING AT BIT CAMPUS
MESRA

TITLE
PLINTH BEAM LAYOUT PLAN
AND REINFORCEMENT DETAIL

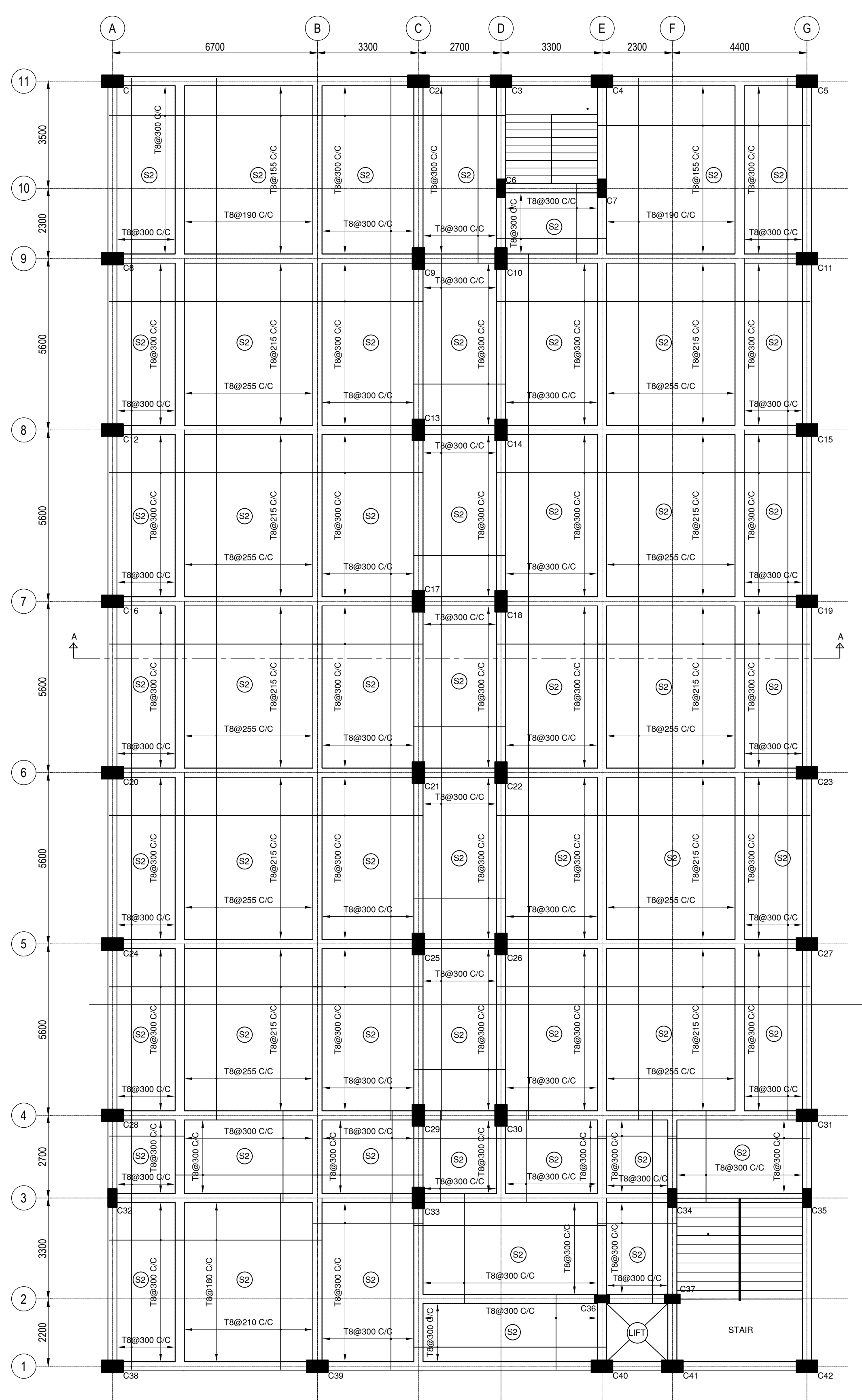
LOCATION	YEAR	PROJECT ID	DRAWING NUMBER	REVISION
MESRA	2025	P07	ST-005	RO

SCALE	DATE:
DESIGNED BY:	CHK BY:
APPROVED BY:	OFFICE OF ORIGIN:

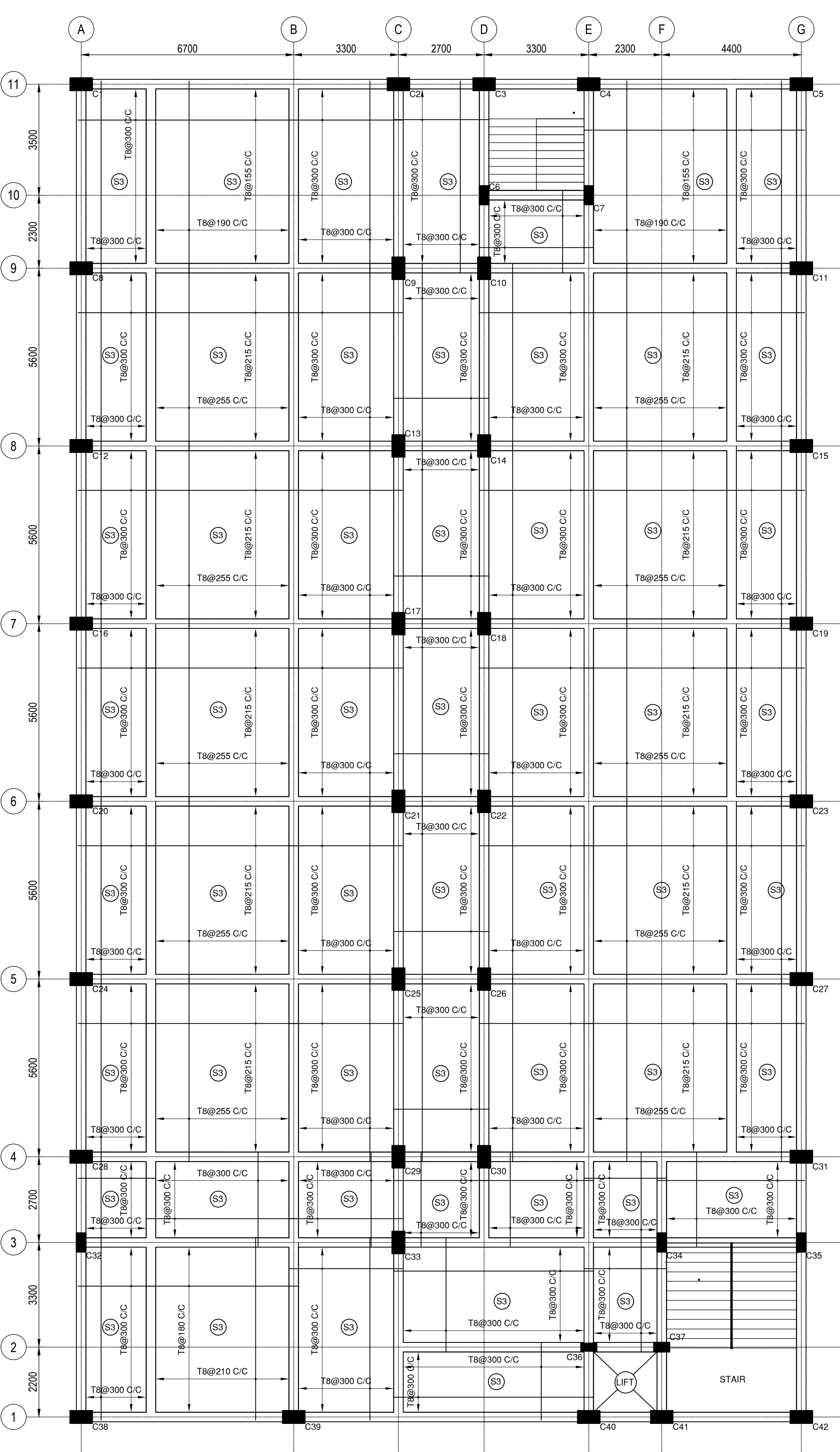
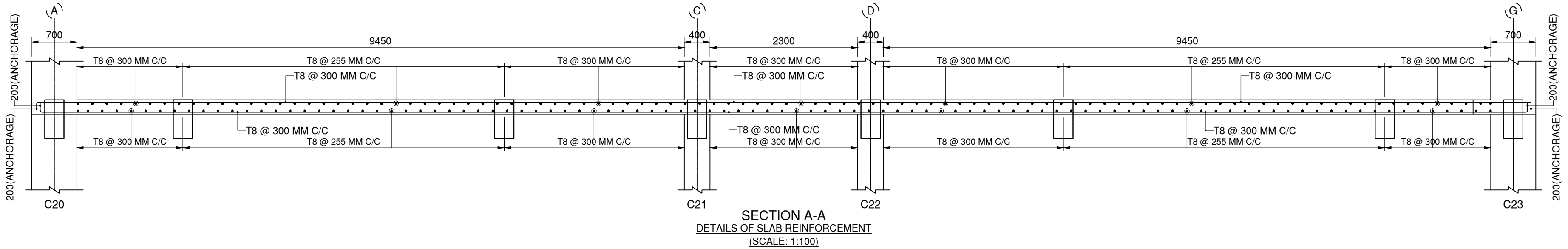
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BIRLA INSTITUTE OF TECHNOLOGY, MESRA,
RANCHI



SLAB MARKING FOR FLOOR SLAB (S2)
THICKNESS OF FLOOR SLAB = 125MM
TYPICAL FLOOR SLAB REINFORCEMENT LAYOUT
(SCALE - 1:100)



SLAB MARKING FOR FLOOR SLAB (S3)
THICKNESS OF FLOOR SLAB = 125MM
TYPICAL ROOF SLAB REINFORCEMENT LAYOUT
(SCALE - 1:100)

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 - THE SAFE BEARING CAPACITY ADOPTED AS PER RECOMMENDATION GIVEN BY GEOTECHNICAL EXPERT IN HIS REPORT.
 - SOIL BELOW FOUNDATION TO BE FULLY CONSOLIDATED BEFORE PLACING FOUNDATION OVER IT. IN CASE OF REFILLED SOIL, THE FULL DEPTH OF SOIL TO BE DIVIDED INTO 150 MM LAYER AND FULL COMPACTION OF EACH LAYER TO BE ASCERTAINED.
 - PROPER CARE TO BE TAKEN DURING BINDING OF REINFORCEMENT TO AVOID ANY DEVIATION FROM THE DETAIL GIVEN IN THE DRAWINGS.
 - THE DETAIL OF CONFINING REINF. GIVEN IN DRG. AT BEAM COL. JUNCTION LAP SPLICES ETC. TO BE STRICTLY FOLLOWED.
 - POURING AND COMPACTION OF CONCRETE WILL BE DONE WITH PROPER CARE TO MINIMIZE VOIDS IN CONCRETE.

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- ALL LEVELS MENTIONED ARE WITH REFERENCE TO BENCHMARK LEVEL WHICH IS 0.00M.

KEY-PLAN

KEY PLAN OF SECOND FLOOR

Note:

REVISIONS			
DATE	NO.	DESCRIPTION	DES. BY/APP. BY

CLIENT
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI.

PROJECT
CIF BUILDING AT BIT CAMPUS MESRA

TITLE
REINFORCEMENT DETAIL FLOOR & ROOF SLAB

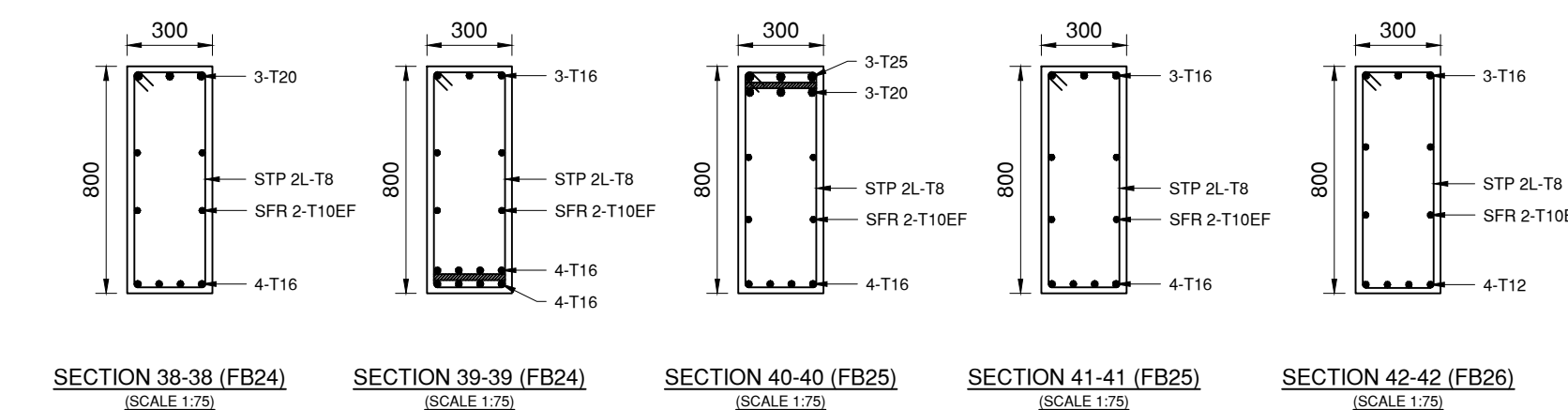
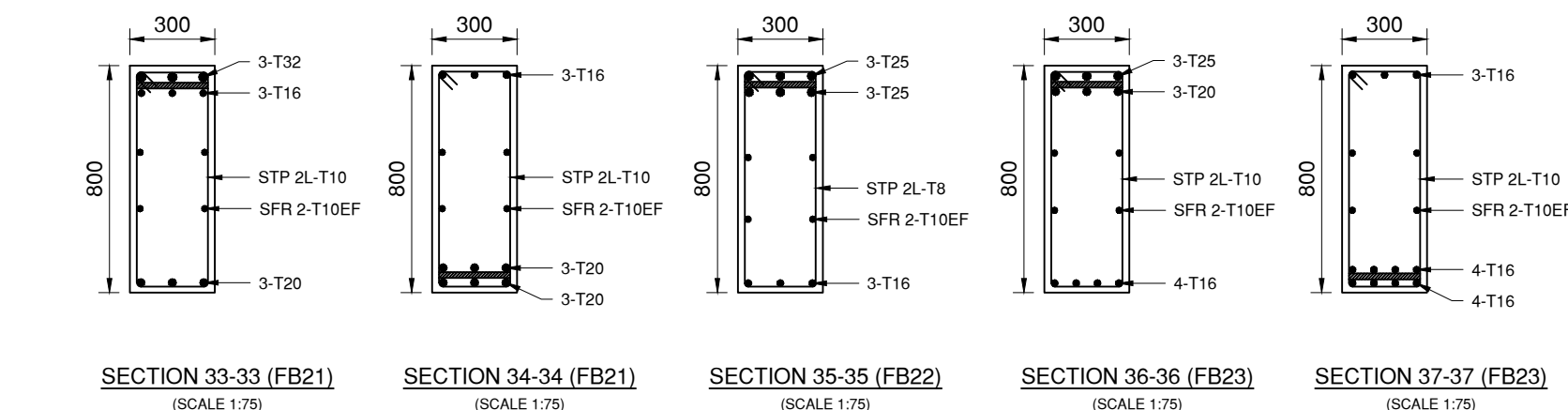
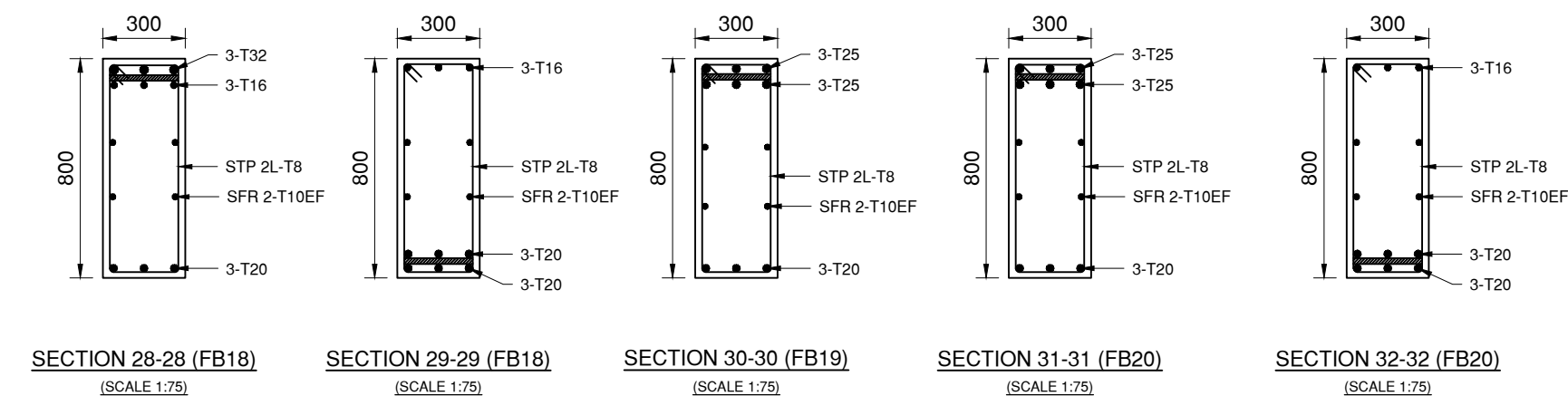
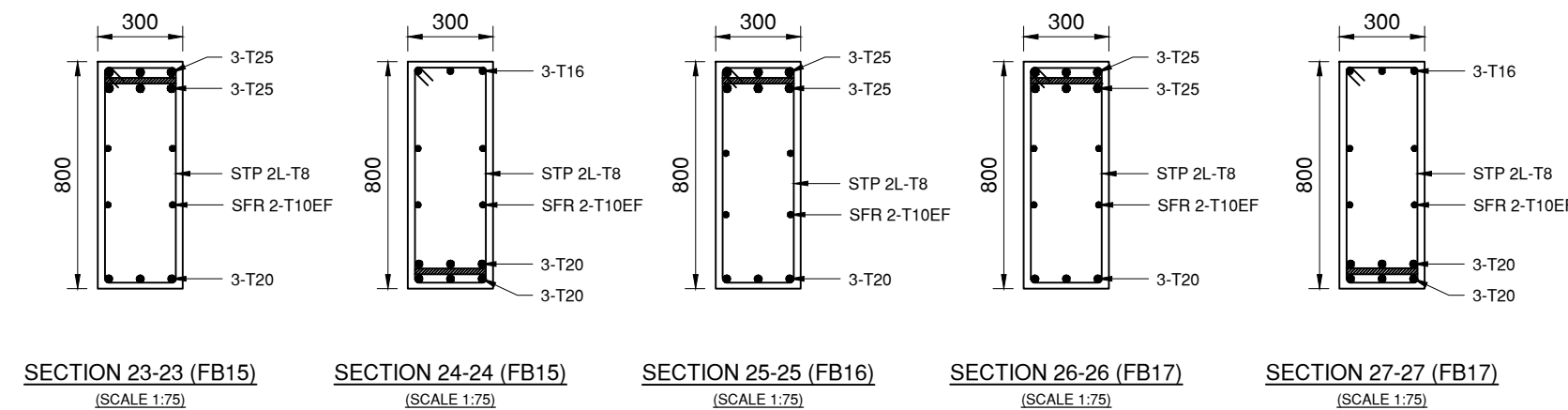
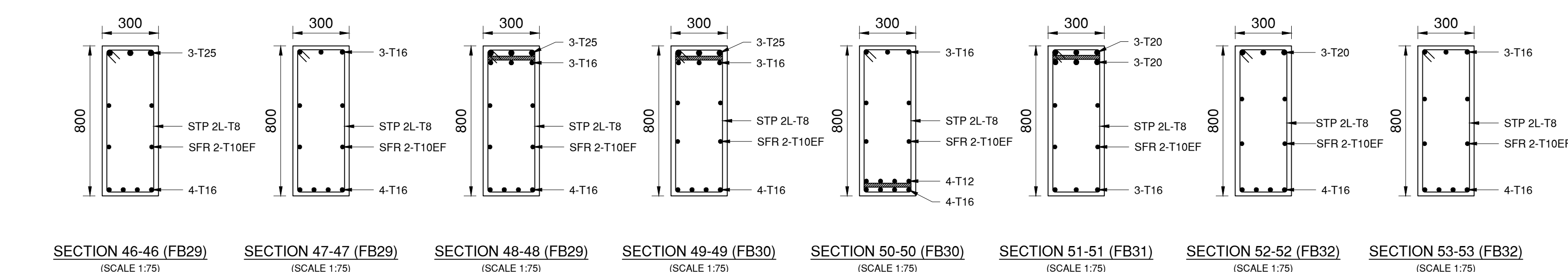
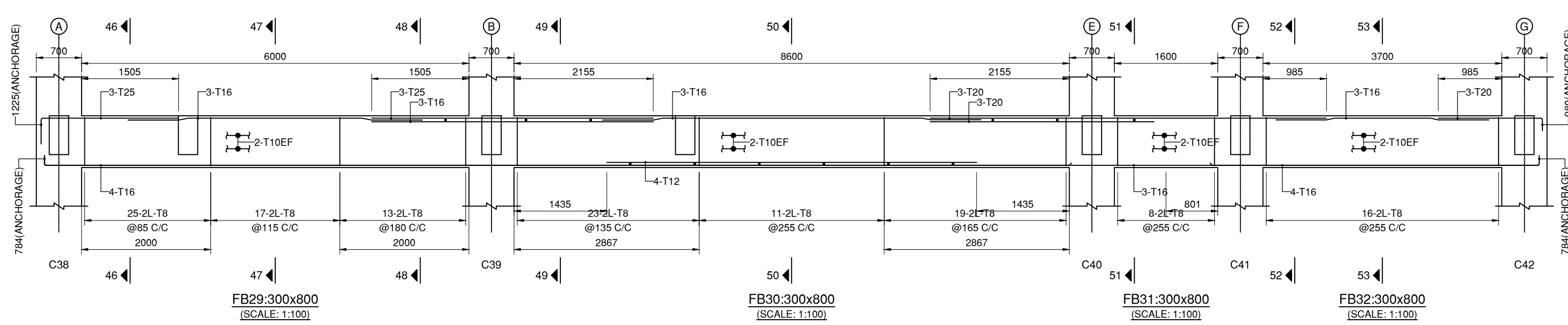
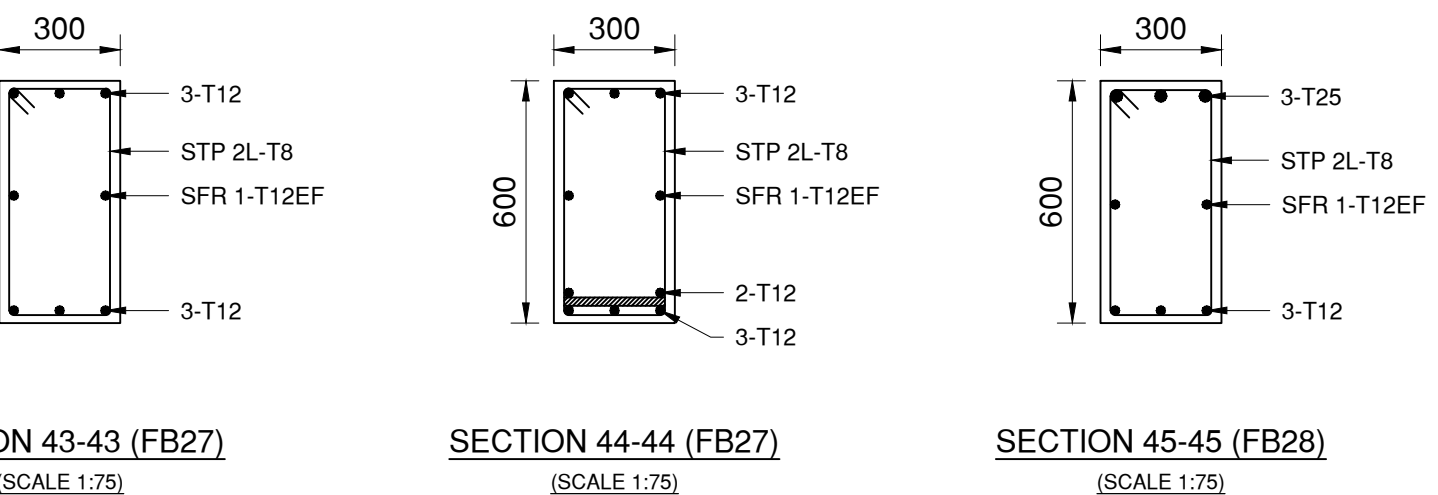
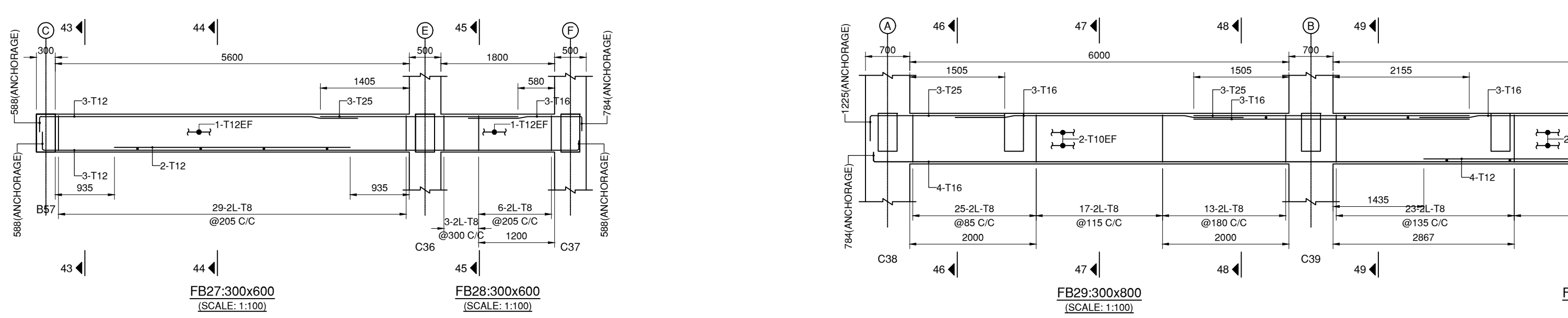
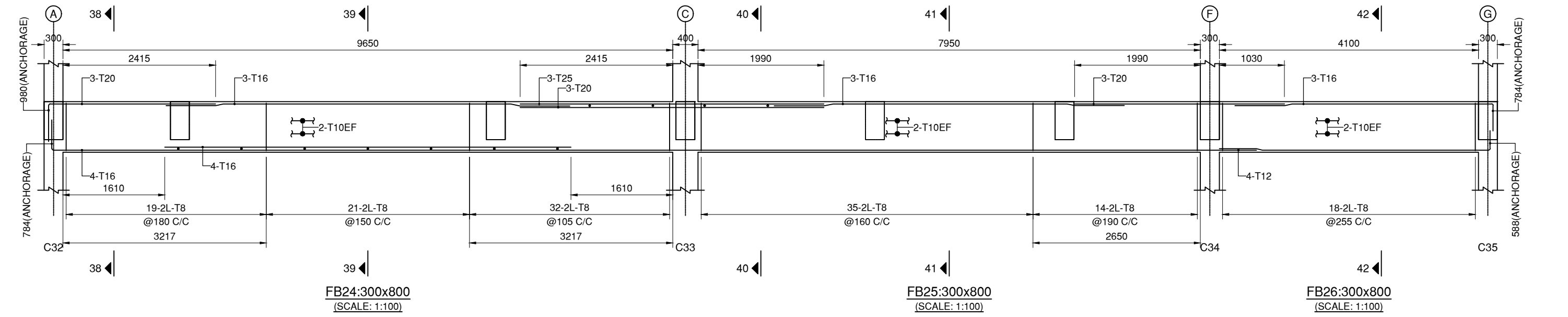
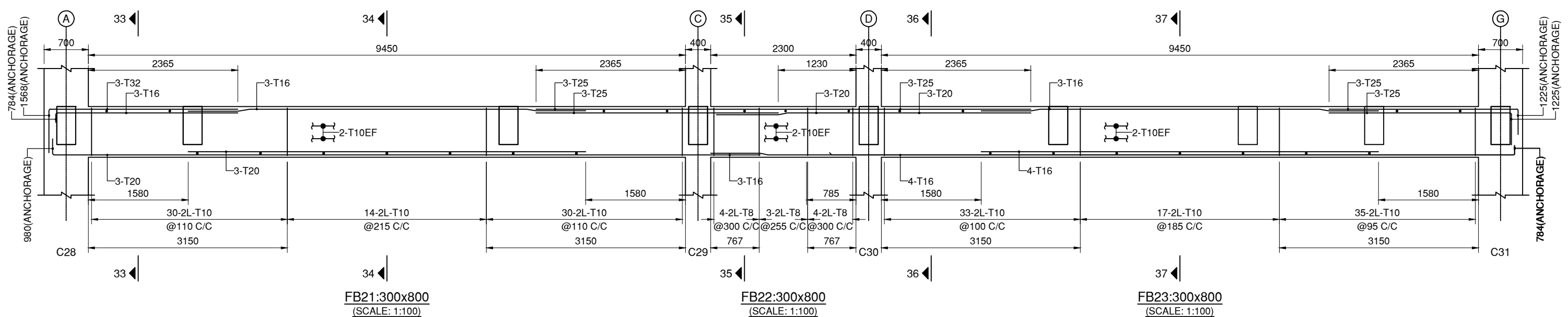
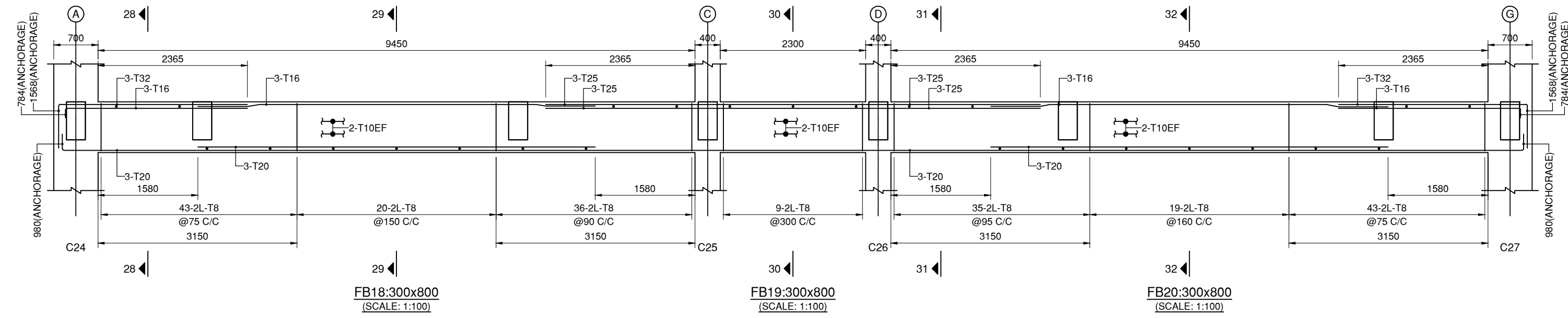
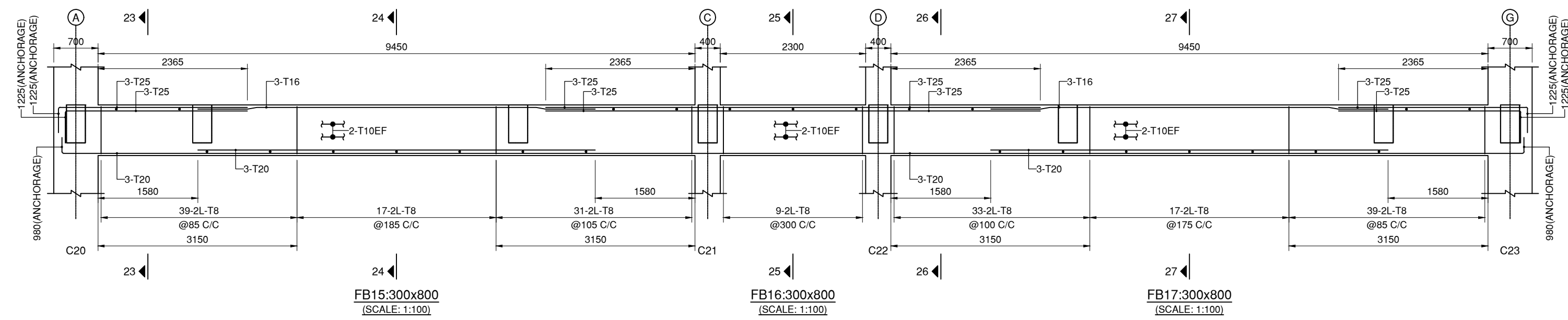
LOCATION	YEAR	PROJECT ID	DRAWING NUMBER	REVISION
MESRA	2025	P07	ST-007	RO

SCALE	DATE:
DESIGNED BY:	CHK BY:
APPROVED BY:	OFFICE OF ORIGIN:

ISSUED FOR:
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KEY-PLAN

KEY PLAN OF SECOND FLOOR

Note:

REVISIONS			
DATE	NO.	DESCRIPTION	DES BY/APP BY

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BIRLA INSTITUTE OF TECHNOLOGY,
MESRA, RANCHI.

PROJECT

CIF BUILDING AT BIT CAMPUS
MESRA

TITLE

FLOOR BEAM LAYOUT PLAN
AND REINFORCEMENT DETAIL

LOCATION	YEAR	PROJECT ID	DRAWING NUMBER	REVISION
MESRA	2025	P07	ST-009	RO

SCALE

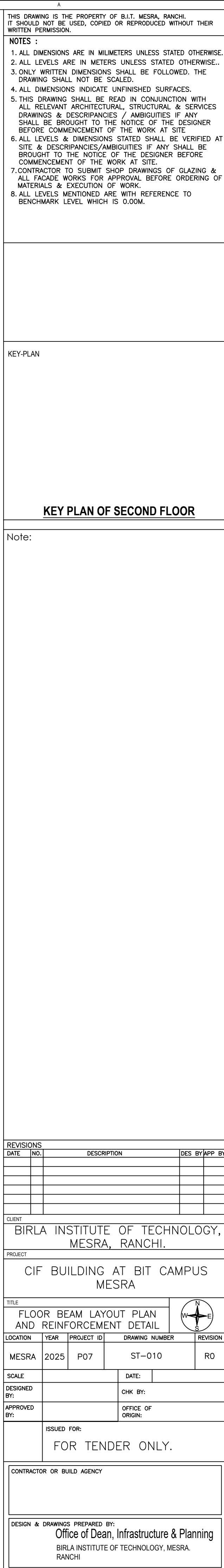
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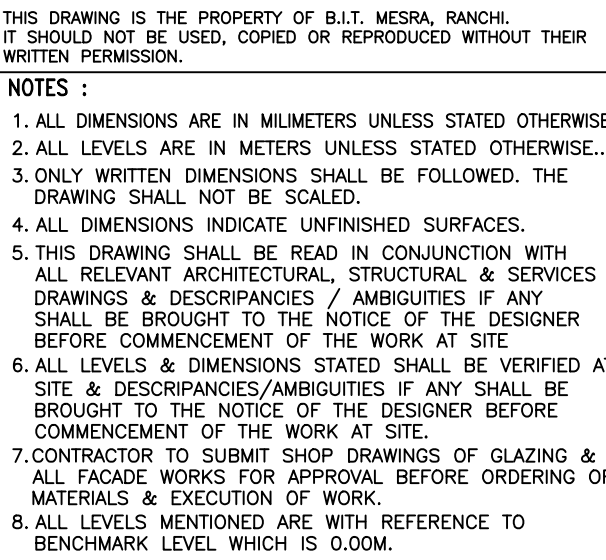
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