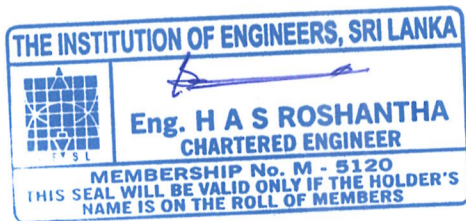


01. GENERAL NOTES :

- 1.1. THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS.
- 1.2. ANY DISCREPANCIES BETWEEN ARCHITECTURAL & STRUCTURAL DRAWINGS TO BE NOTIFY TO THE ENGINEER / ARCHITECT .
- 1.3. ALL DIMENSIONS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METERS .
- 1.4. ALL ELEVATIONS SHOWN IN THE DRAWINGS ARE FINISHED LEVELS. IT HAS TO BE ESTABLISHED WITH THE STRUCTURAL LEVELS, WHERE NECESSARY.
- 1.5. ANY CHANGE IN LEVELS, THE ARCHITECT'S DRAWING SHALL TAKE PRECEDENT OVER THIS DRAWING. CONTRACTOR TO ADJUST ACCORDINGLY.
- 1.6. NOTIFICATIONS DENOTES AS FOLLOWS.

FFL - FINISHED FLOOR LEVEL	SC - STIFFNER COLUMN
FGL - FINISH GROUND LEVEL	CC - CONCRETE COLUMN
EGL - EXISTING GROUND LEVEL	WF - WALL FOUNDATION
F - FOOTING	PB - PLINTH BEAM
C - STEEL COLUMN	RF - RUBBLE FOUNDATION
ST - STUB COLUMN	RW - RETAINING WALL



02. CONCRETE NOTES :

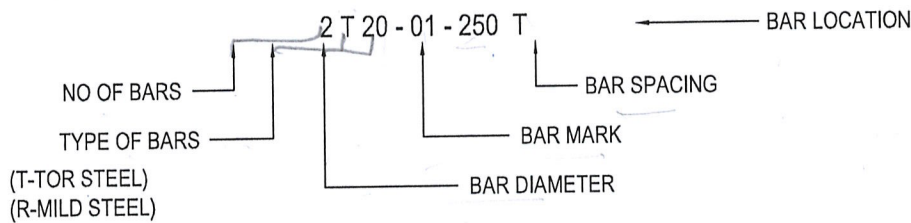
- 2.1. CEMENT USED FOR ALL CONCRETE WORKS SHALL BE ORDINARY PORTLAND CEMENT (OPC).
- 2.2. ALL CONCRETE WORKS SHALL BE IN ACCORDANCE WITH BS 8110 AND SPECIFICATIONS.
- 2.3. CONCRETE TESTING SHALL BE IN ACCORDANCE WITH BS 1881, UNLESS OTHERWISE SPECIFIED.
- 2.4. CONCRETE IN THE FOLLOWING AREAS SHALL HAVE SAND CRUSHED STONE AGGREGATES AND ORDINARY PORTLAND CEMENT PROPORTIONED TO PRODUCE A DENSE WORKABLE MIX WHICH CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. IT SHALL HAVE THE PROPERTIES INDICATED BELLOW.
 - A.. ALL REINFORCED CONCRETE SHALL BE GRADE 25 WITH MAXIMUM AGGREGATE SIZE 20mm UNLESS NOTED OTHERWISE.
 - B.. ALL SCREED CONCRETE SHALL BE GRADE 15 WITH MAXIMUM AGGREGATE SIZE 40mm UNLESS NOTED OTHERWISE.
 - C.. CONCRETE FOR THE TOILET FLOOR FILLING SHALL BE GRADE 20 WITH MAXIMUM AGGREGATE SIZE FOR 20mm UNLESS NOTED OTHERWISE.
 - D.. ALL CONCRETE FOR GROUND FLOORS SHALL BE GRADE 20 WITH MAXIMUM AGGREGATE SIZE 20mm UNLESS NOTED OTHERWISE.
- 2.5. CONCRETE SHALL BE WELL COMPACTED BY MECHANICAL MEANS WITHOUT SEGREGATION.
- 2.6. ALL CONCRETE SURFACES, EXCEPT THOSE COVERED BY FORM WORK, SHALL BE CURED TO THE SATISFACTION OF THE ENGINEER.
- 2.7. EXCEPT AS DETAILED ON STRUCTURAL DRAWINGS, NO SLABS, OR BEAMS, SHALL BE SLEEVED FOR PIPING OR DUCTS, UNLESS APPROVED BY THE ENGINEER.
- 2.8. DEBRIS SHALL BE ENTIRELY REMOVED FROM FORMS PRIOR TO PLACING OF CONCRETE. ANY DEFECTS IN THE HARDENED CONCRETE SHALL BE SATISFACTORILY REPAIRED AND/OR REPLACED AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONCRETE WHICH FAILS TO ATTAIN SPECIFIED STRENGTHS, IF SO DIRECTED BY THE ENGINEER.
- 2.9. MINIMUM FREE FALL OF CONCRETE SHOULD BE LIMITED TO 1.5m DURING THE PLACEMENT OF CONCRETE. IN THE EVENT LIFT HEIGHT IS GREATER THAN 1.5m TREMIE PIPE OR SIMILAR APPROVED ARRANGEMENT SHOULD BE USED. CASTING OF COLUMNS TOGETHER WITH SLABS AND BEAMS WILL NOT BE ALLOWED.
- 2.10. UNLESS OTHERWISE SPECIFIED A LAYER OF 50mm THICK GRADE 15 CONCRETE TO BE PROVIDED BELOW ALL REINFORCED CONCRETE STRUCTURES IN CONTACT WITH THE GROUND.

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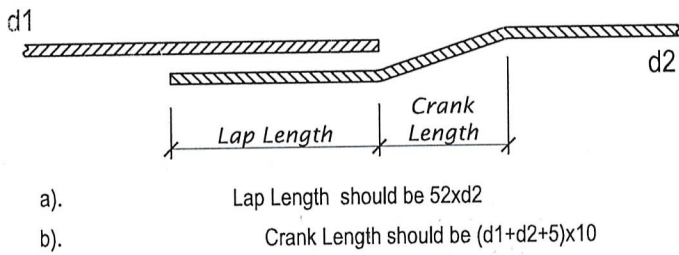
03. REINFORCEMENT STEEL NOTES :

- 3.1. ALL STEEL REINFORCEMENT BARS AND WELDED STEEL FABRIC REINFORCEMENT SHALL COMPLY WITH BS 4449 .
USE OF REINFORCEMENT FOR THE WORK WILL BE CONSIDERED ONLY UPON SUBMITTAL OF RELEVANT
INFORMATION TO THE ENGINEER FOR APPROVAL, SUBMITTALS SHALL INCLUDE MILL CERTIFICATES OR OTHER
RECOGNIZED CERTIFICATIONS CLEARLY INDICATING STRENGTH, ULTIMATE STRENGTH, AND BAR BEND TEST.
ENGINEER MAY ORDER ADDITIONAL REQUIRED. TESTS TO BE CARRIED OUT, AS MAY BE THE MATERIAL
COMPOSITION YIELD.
- 3.2. NO REINFORCING BARS SHALL BE WELDED, UNLESS SPECIFICALLY NOTED OR APPROVED BY ENGINEER.
- 3.3. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE NOTED BELLOW, UNLESS OTHERWISE INDICATED.
- A.. CONCRETE SURFACES PROTECTED AGAINST WEATHER OR AGGRESSIVE CONDITION - 25mm
B.. CONCRETE SURFACES IN CONTACT WITH SOIL - 40mm
C.. CONCRETE SURFACES CAST AGAINST A BLINDING LAYER - 40mm
- 3.4. REINFORCING BARS SHOULD BE LAPPED ONLY AS SHOWN ON THE DRAWINGS.
- 3.5. ABBREVIATIONS FOR REINFORCEMENT.
- R - MILD STEEL OF CHARACTERISTIC STRENGTH OF 250N/Sq.mm ACCORDING TO BS 4449.
T - HIGH YIELD STEEL OF CHARACTERISTIC STRENGTH OF 460 N/Sq.mm ACCORDING TO BS 4449.

NOTATION TO REINFORCEMENT .



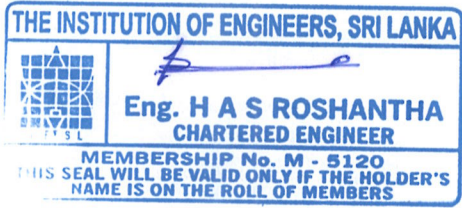
- 3.6. FABRICATION OF REINFORCEMENT SHALL COMPLY WITH BS 4466.
- 3.7. TYPICAL BAR LAPPING AND CRANKING DETAIL (UNLESS OTHERWISE INDICATED). (d1>d2)



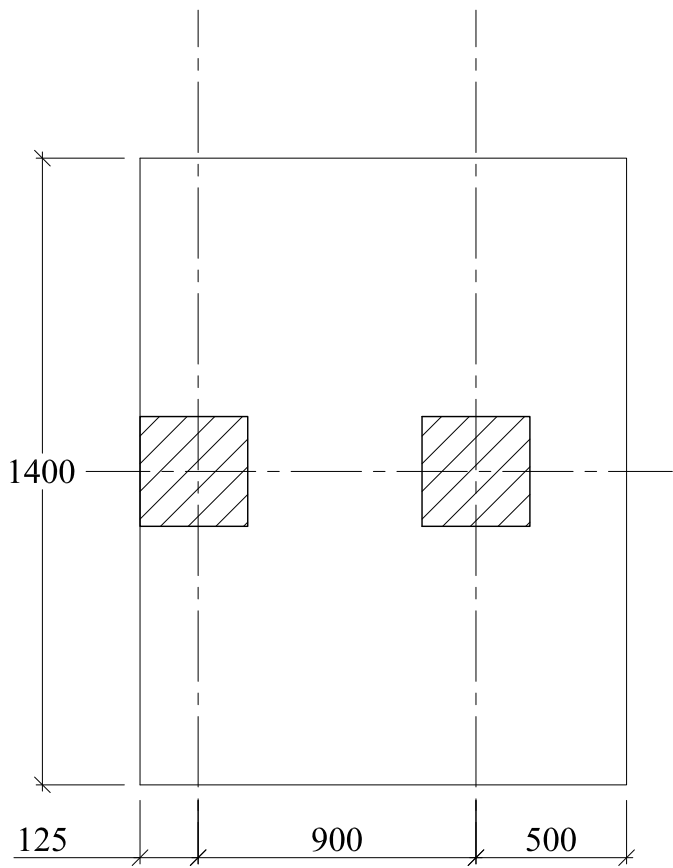
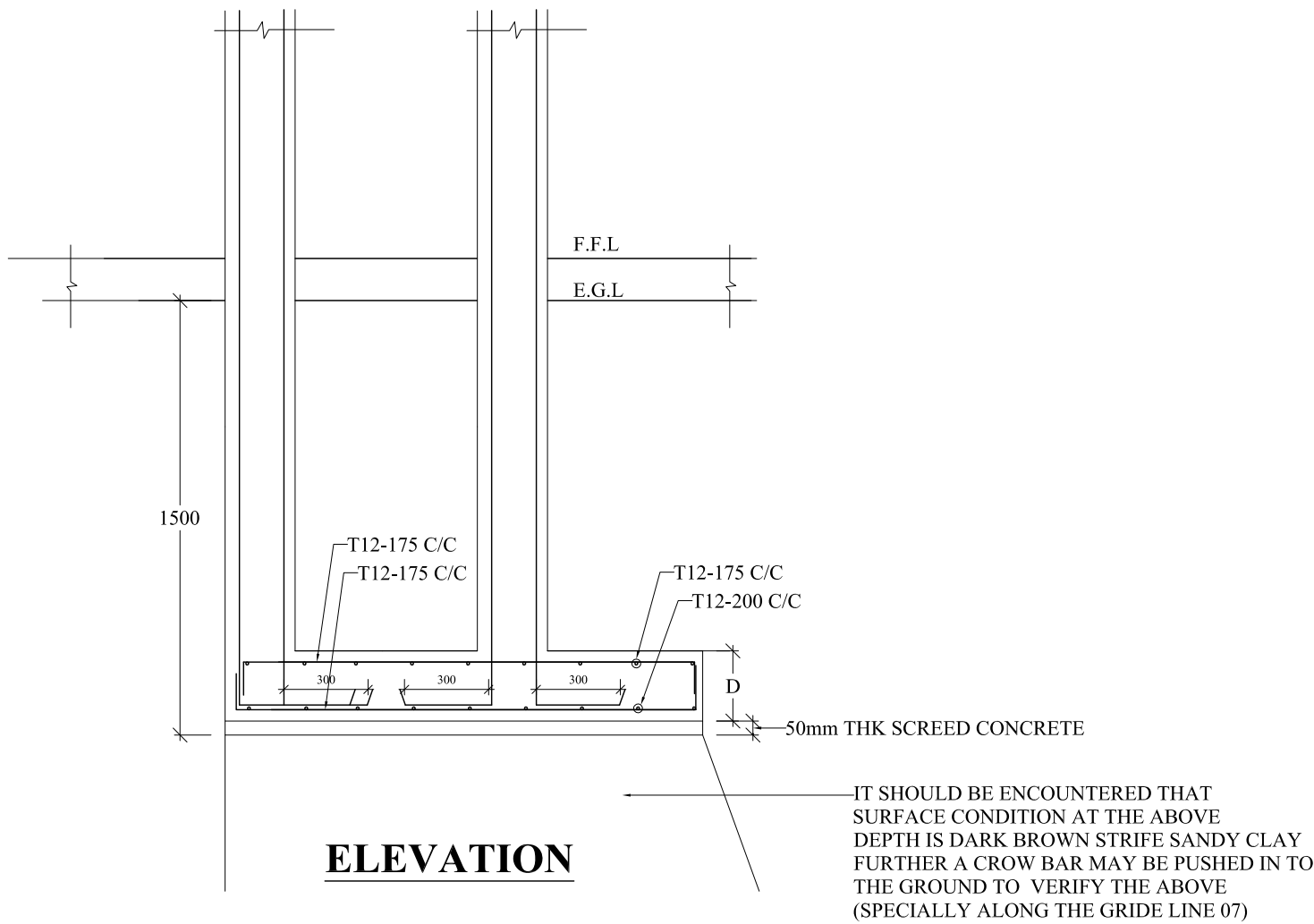
04. LOADING :

IMPRESSED LOAD

1. 1STFLOOR = 4.0 KN/m² (REYNOLDS HAND BOOK TABLE 06)
2. 2nd FLOOR = 1.5KN/m²



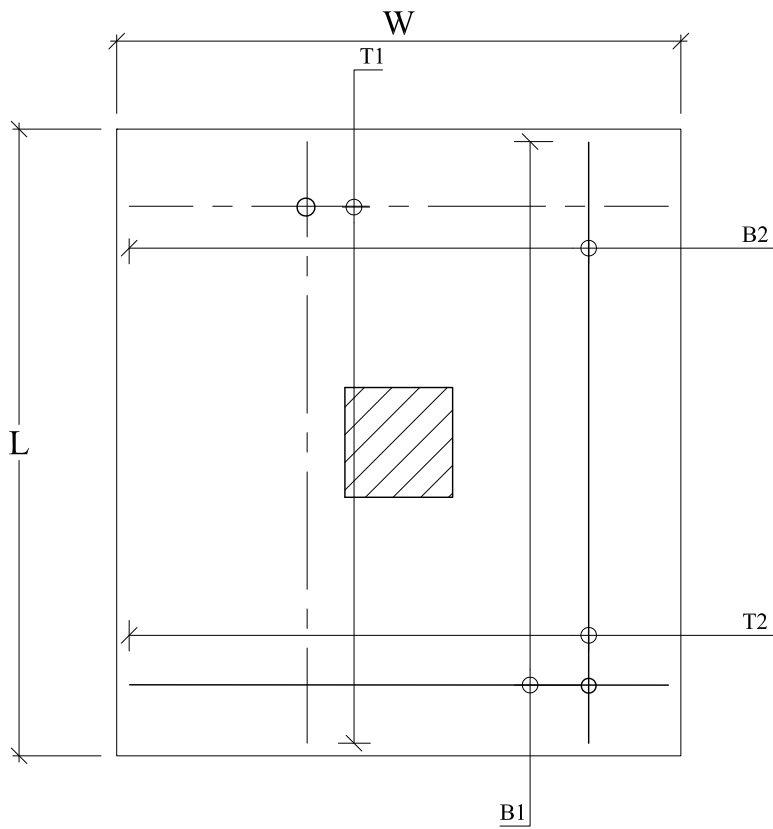
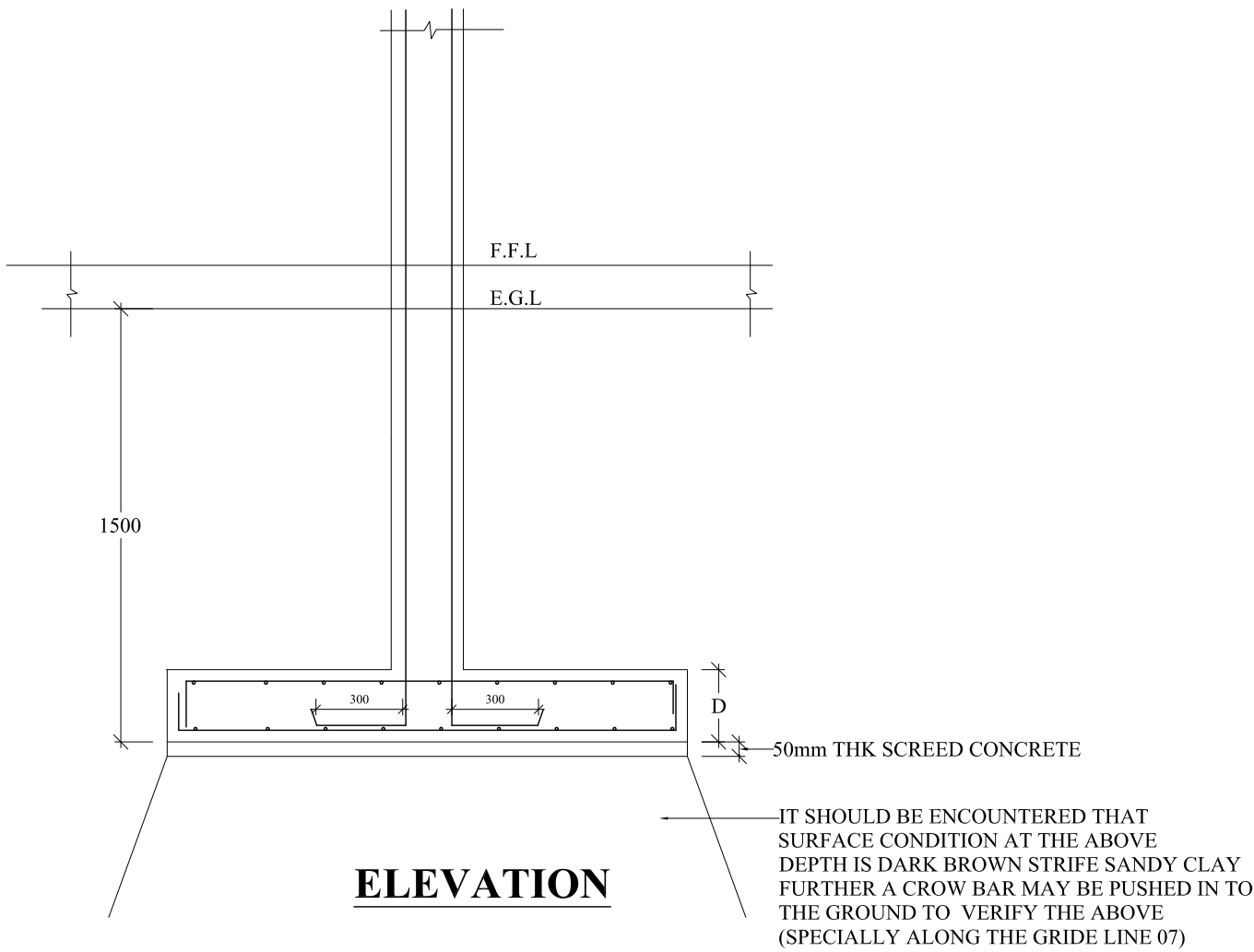
CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL :	DATE
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COMBINED FOUNDATION DETAIL

CF1

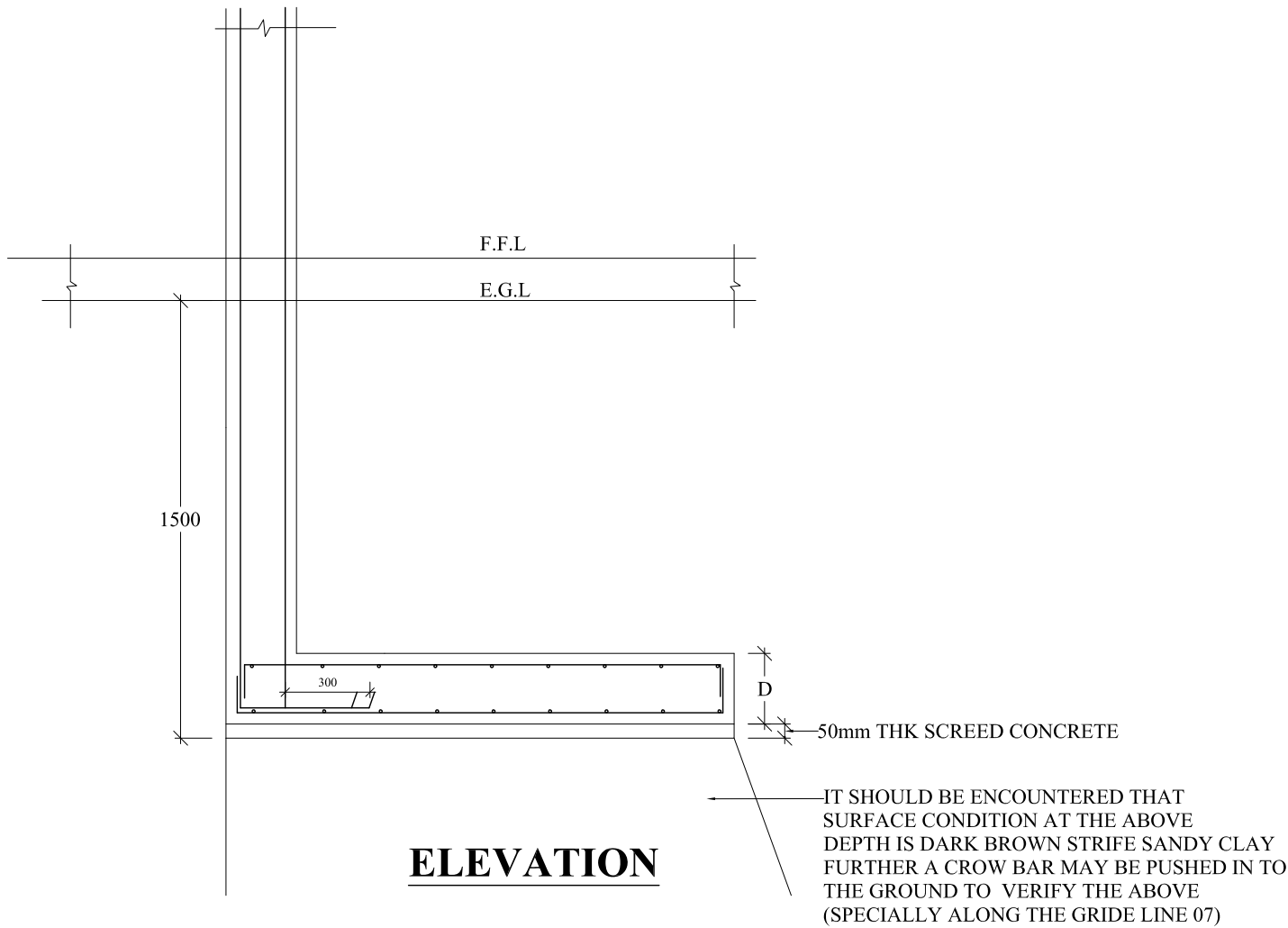
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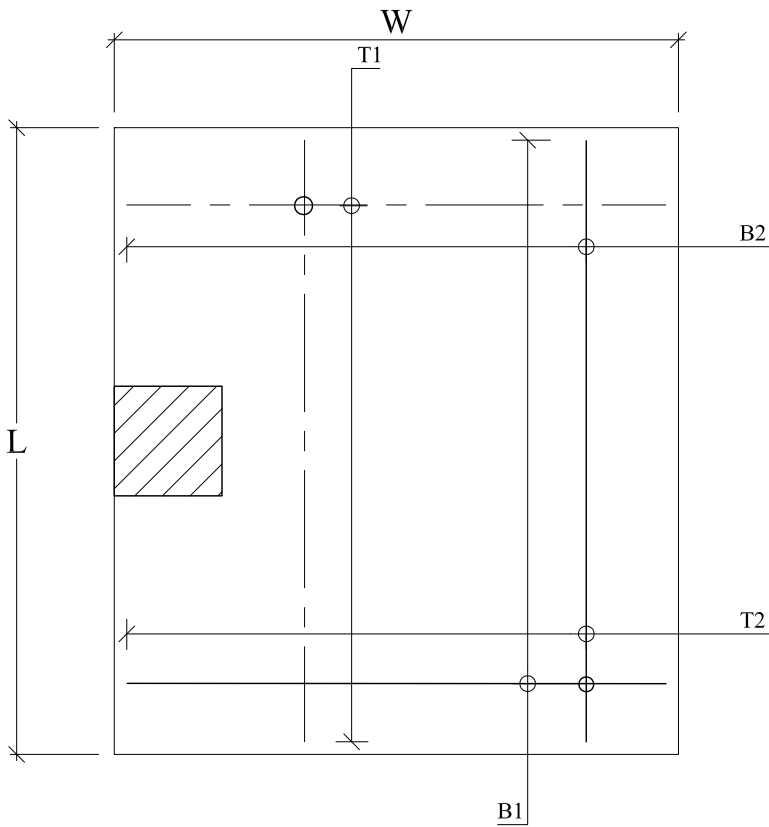
PLAN

REFER THE FOUNDATION DETAIL
F1,F2,F4

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
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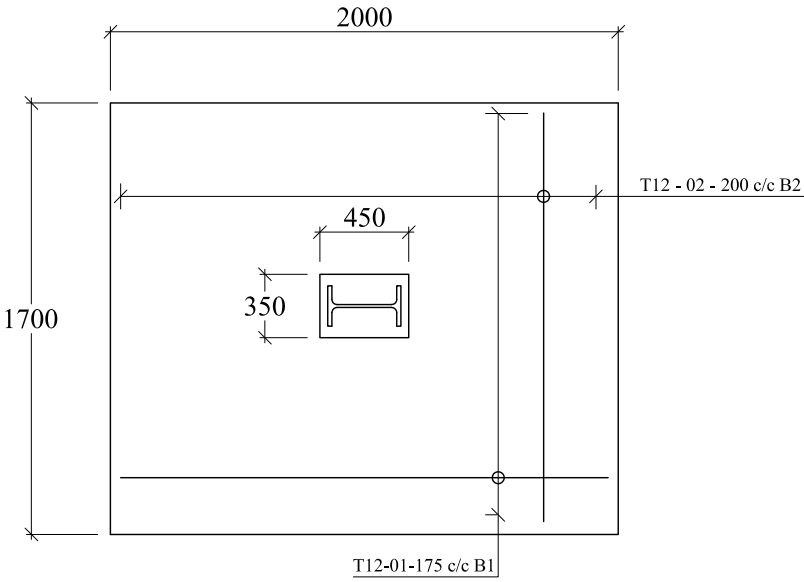
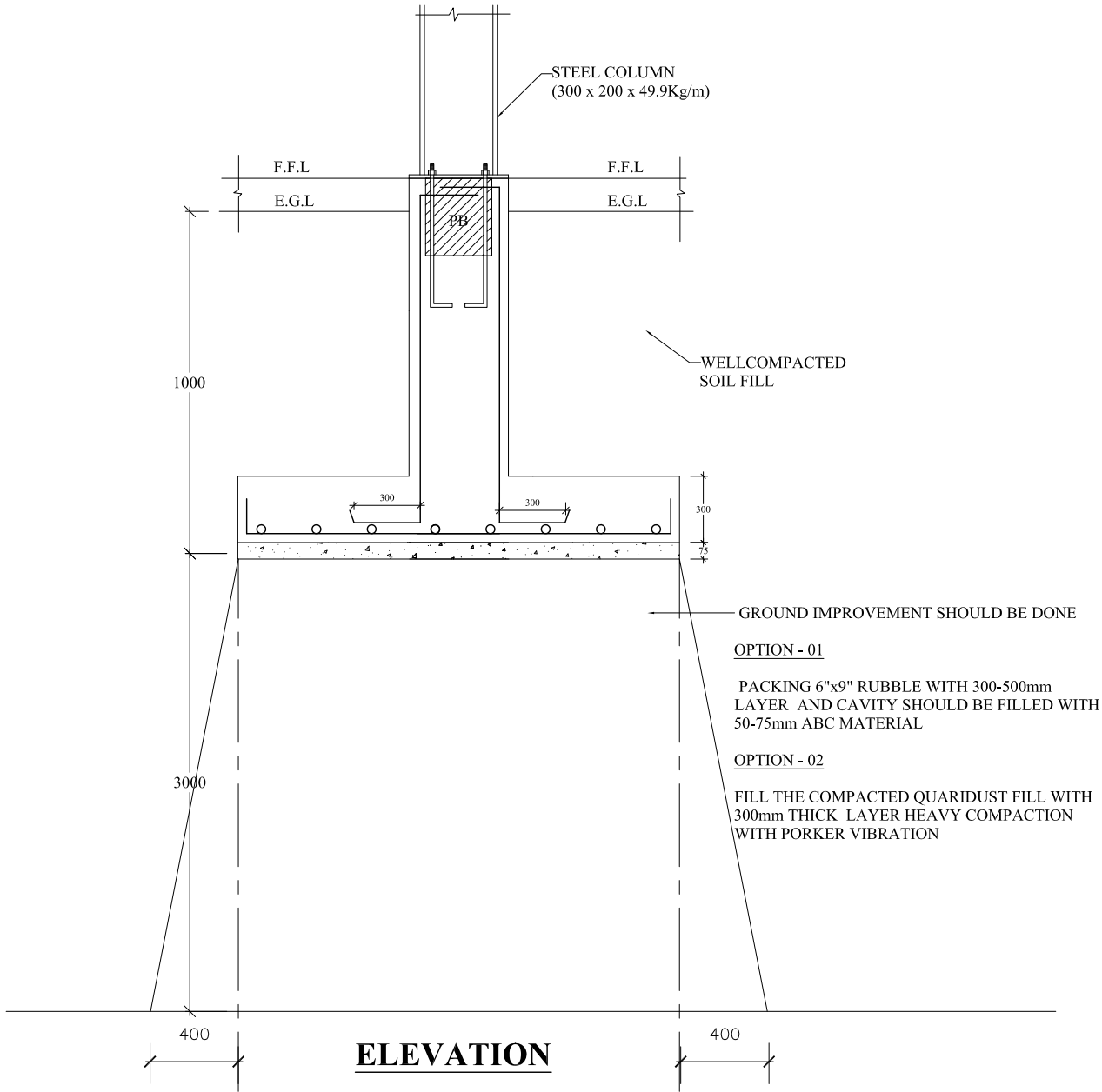
ELEVATION



PLAN

REFER THE FOUNDATION DETAIL
F3

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL :	DATE
 OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1, TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL-PREMAJAYANTHACONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHACONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	TYPICAL FOUNDATION DETAIL F3	DATE : 2024.10.04

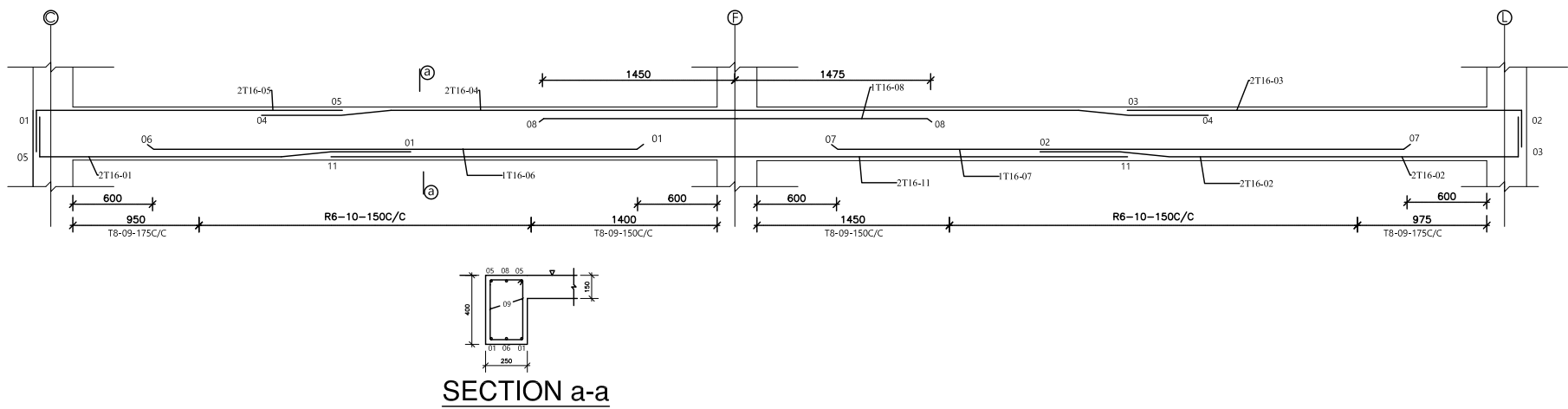


PLAN

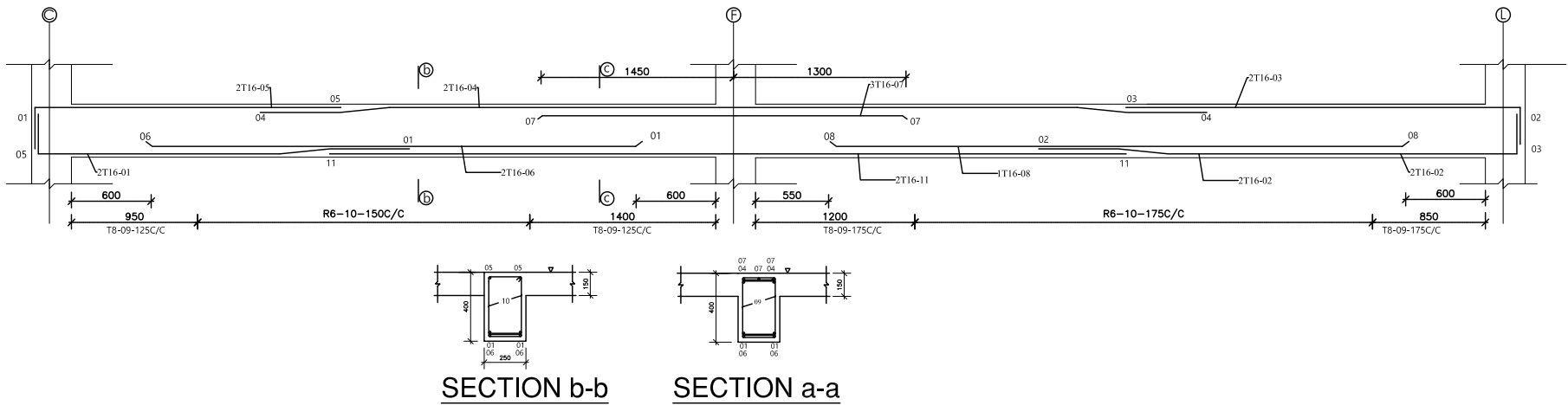
**TYPICAL FOUNDATION DETAIL
FOR F5**

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
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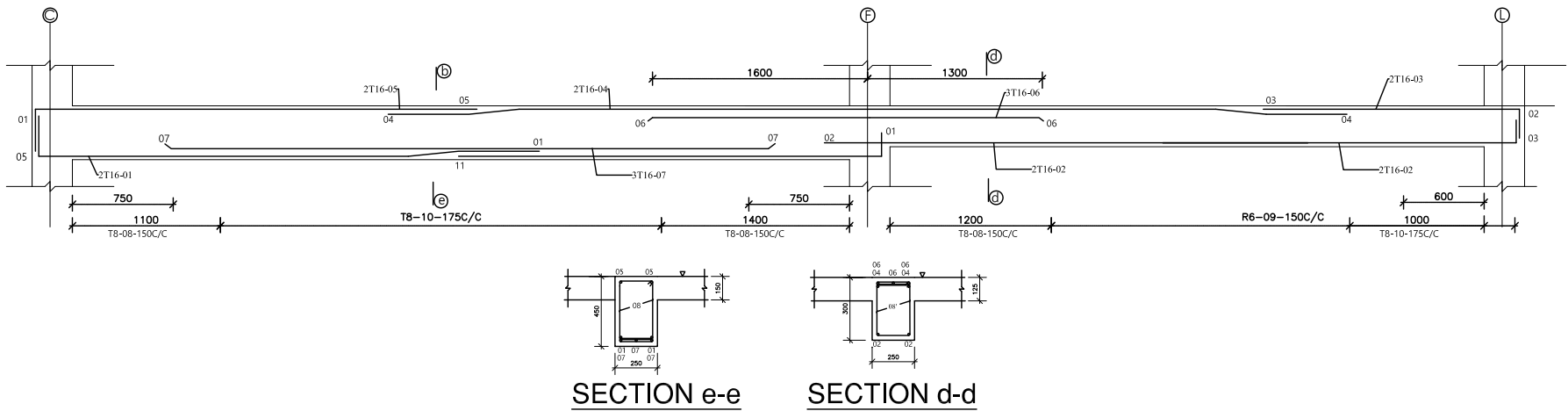
FB1 (250x400) 7(C-L)



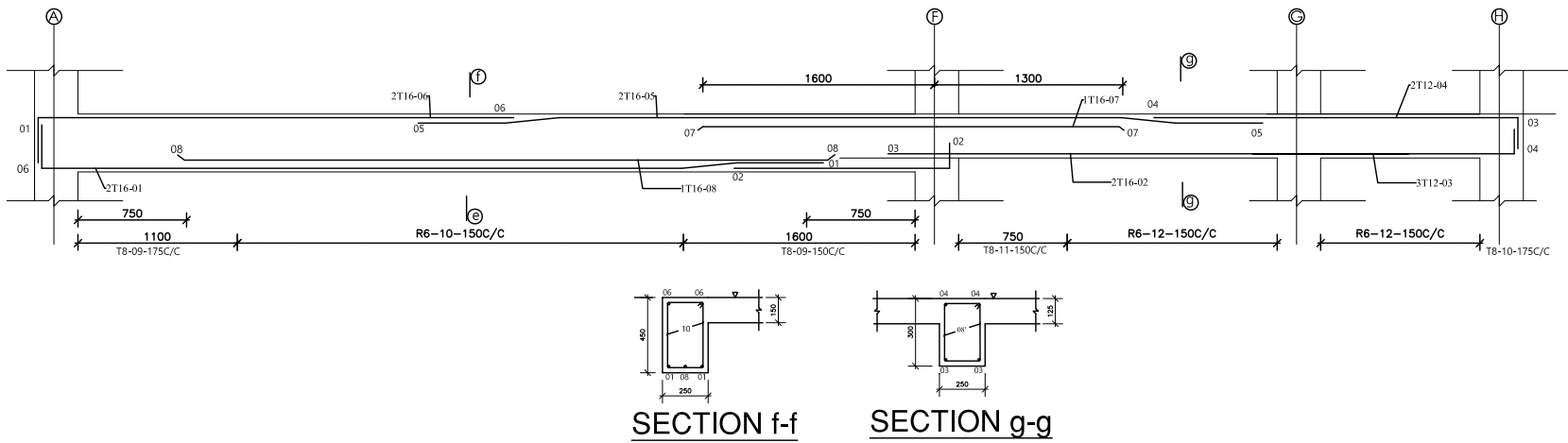
FB2 (250x400) 6(C-K)



FB3 (250x450)(250x350) 4(A-J)

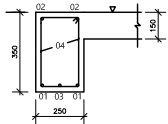
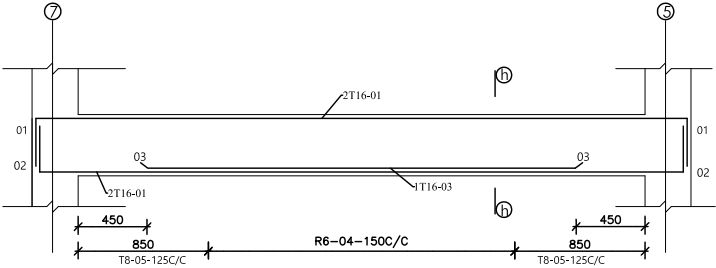


FB4 (250x450)(250x300) 2(A-H)



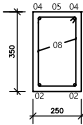
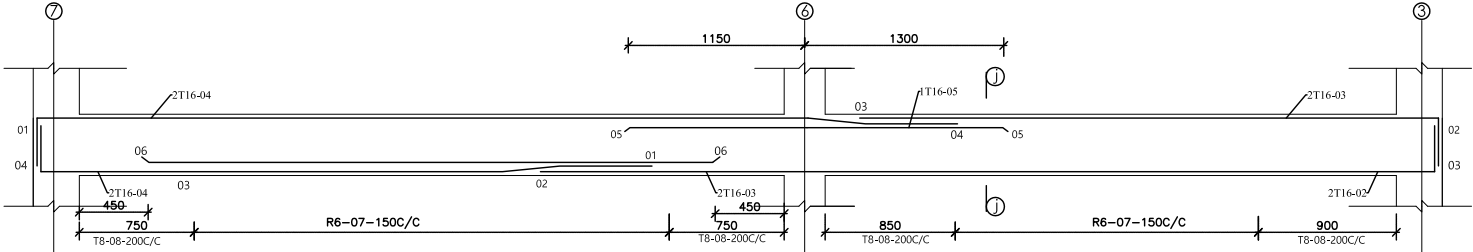
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FB5 (250x350) B(7-5)



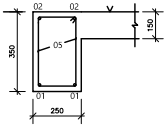
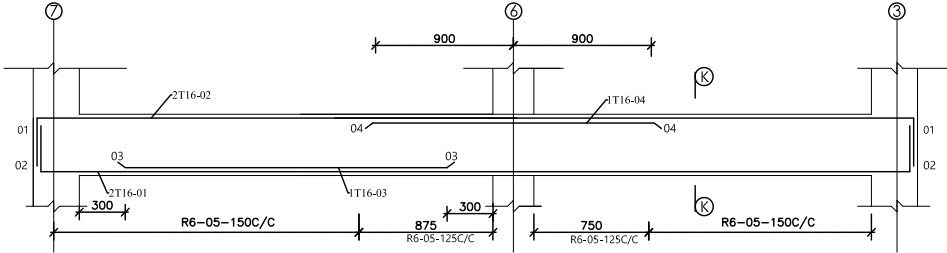
SECTION h-h

FB6 (250x300) (7-3)



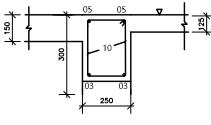
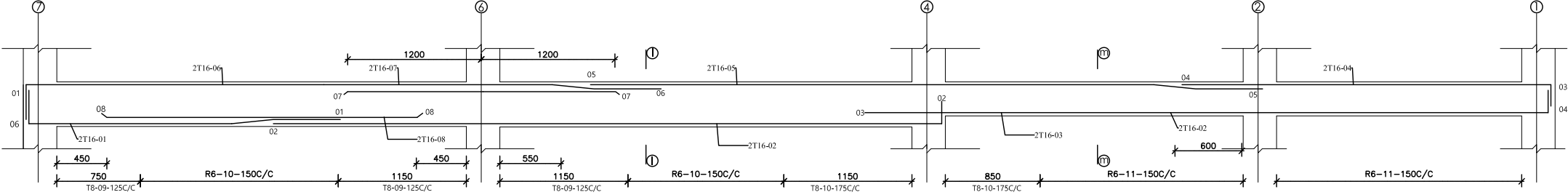
SECTION j-j

FB7 (250x300) G(4-1)

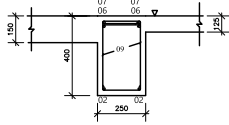


SECTION k-k

FB8 (250x400)(250x300) F(7-1)



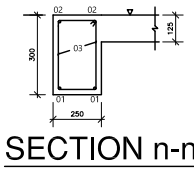
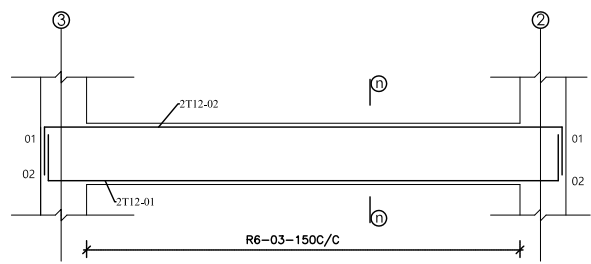
SECTION m-m



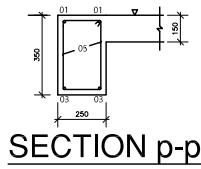
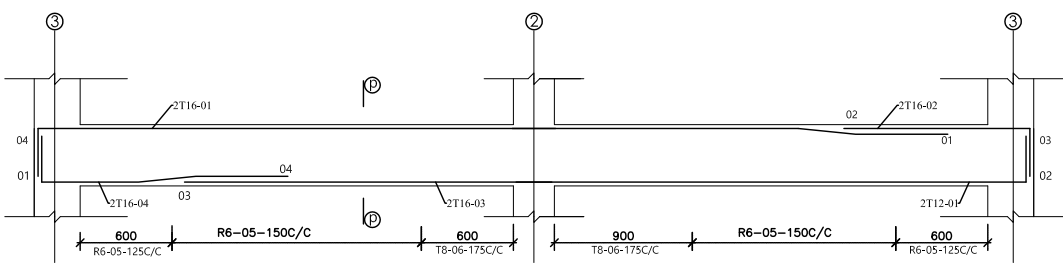
SECTION I-I

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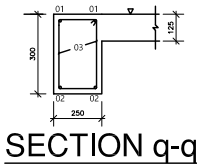
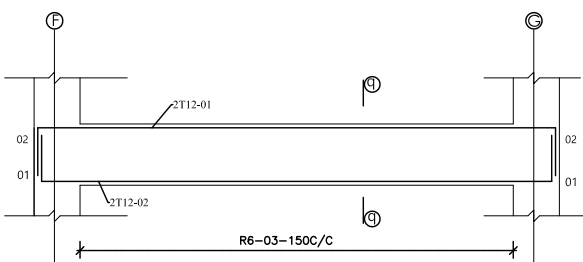
FB9 (250x300) H(3-2)



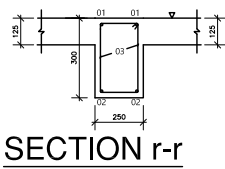
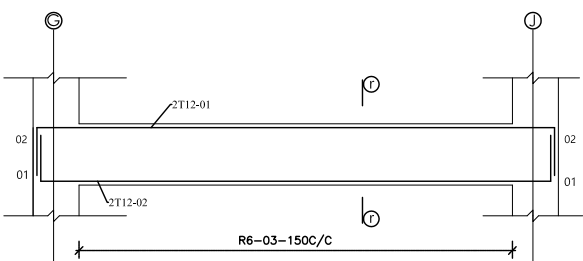
FB10 (250x300) A(5-2)



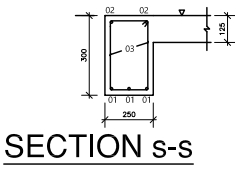
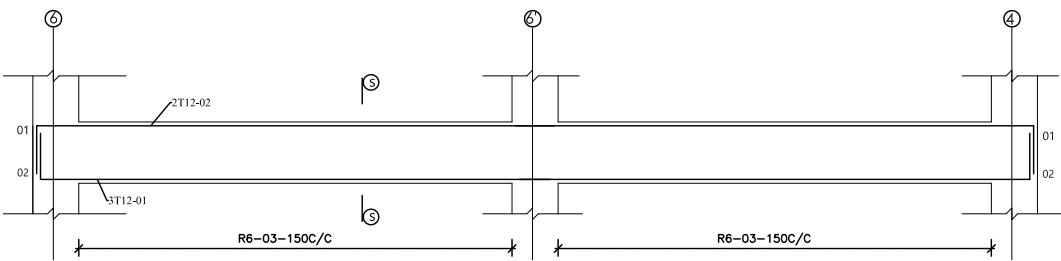
FB11 (250x300) 1(F-G)



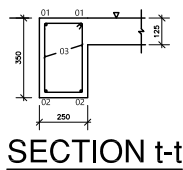
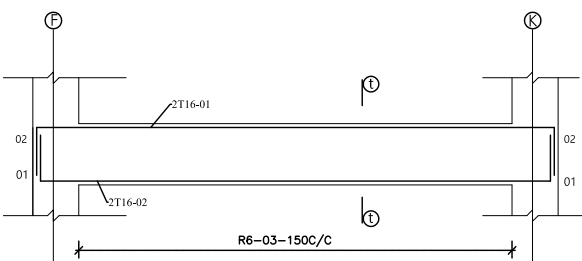
FB12 (250x300) 3(G-J)



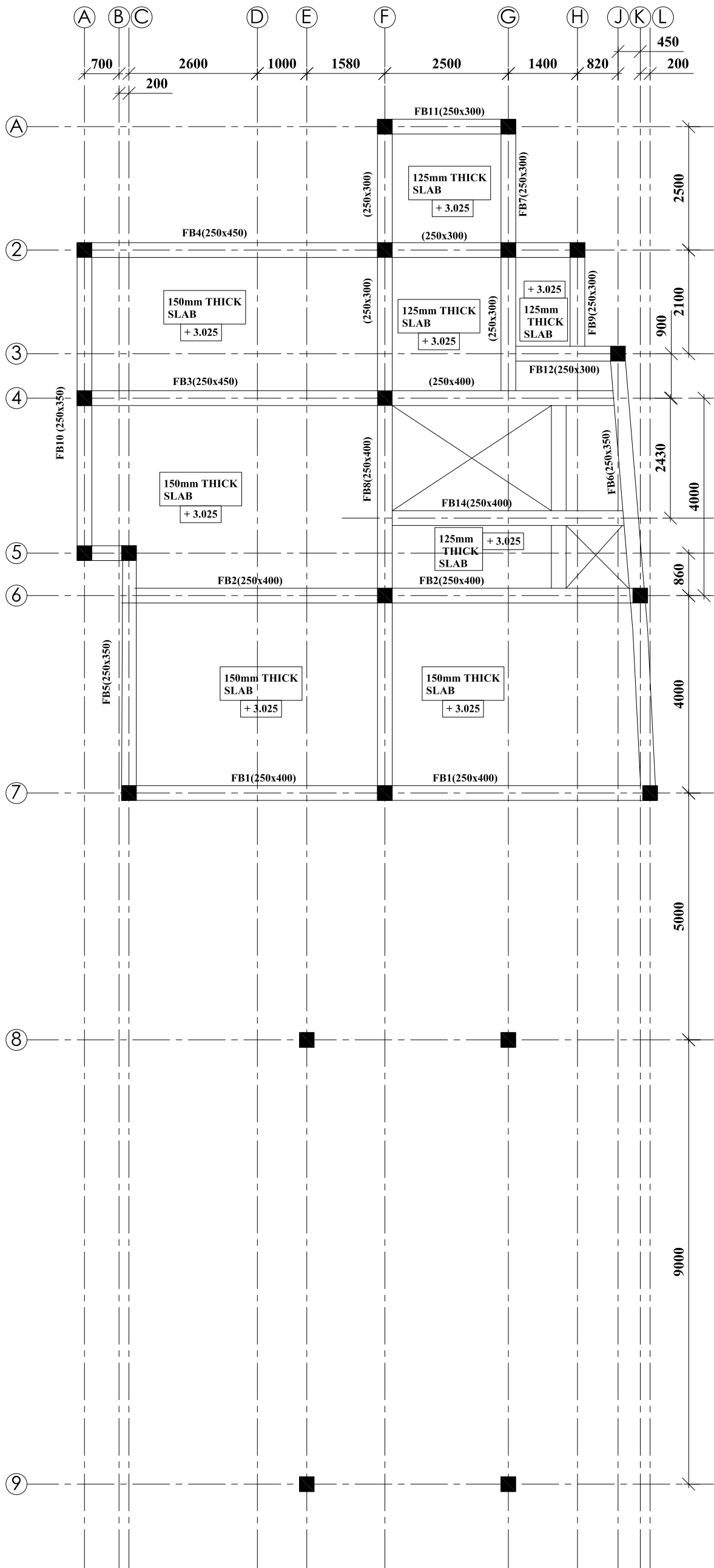
FB13 (250x300) G'(6-4)



FB14 (250x350) 5'(F-K)

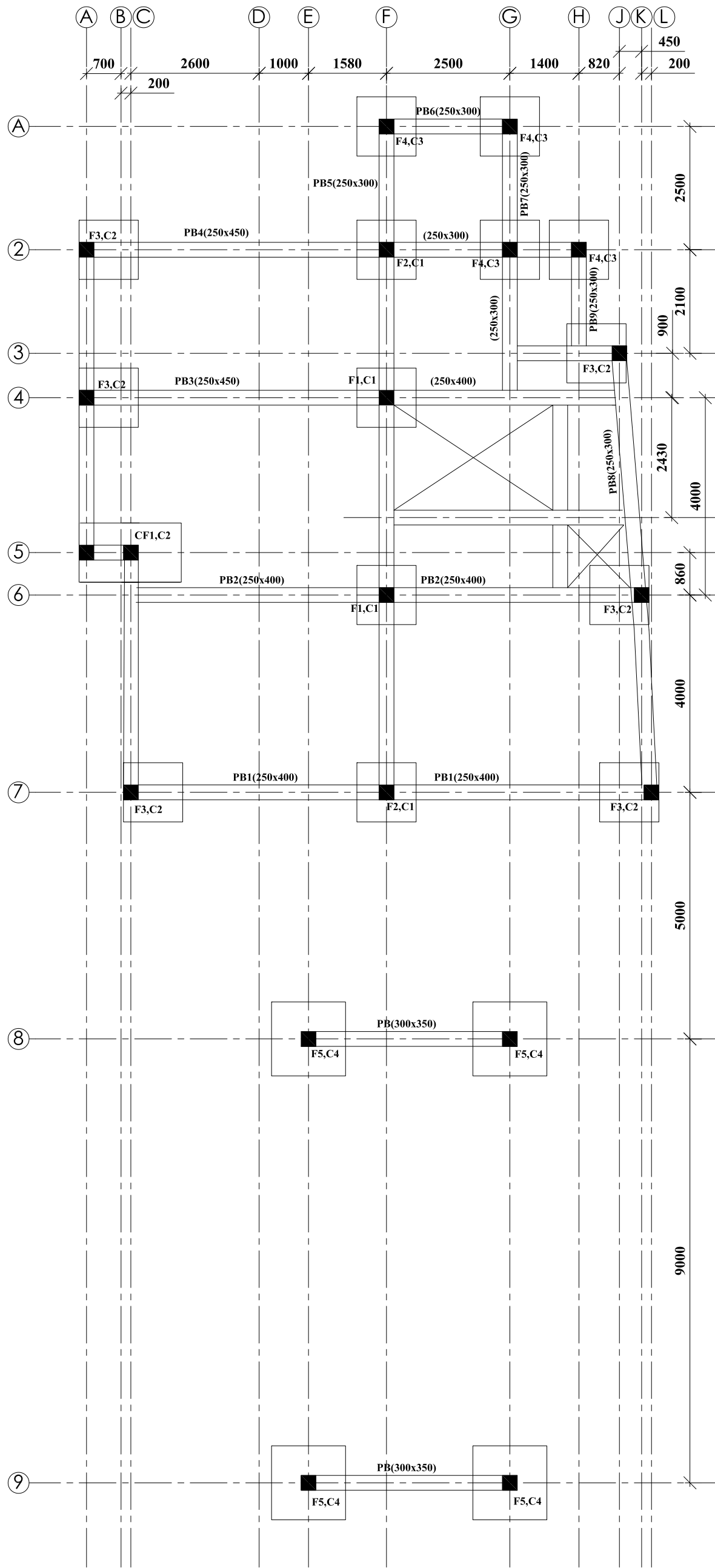


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FIRST FLOOR BEAM LAYOUT PLAN

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
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COLUMN FOUNDATION LAYOUT PLAN

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
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Technical drawing of a bridge deck cross-section and longitudinal section.

Longitudinal Section (Top):

- Span lengths: 1100, 1400, 1200, 1000.
- Bridge types: T8-08-175C/C, T8-10-200C/C, T8-08-175C/C, R6-09-175C/C, T8-10-200C/C.
- Dimensions: 750, 1600, 1300, 600.
- Labels: 2T12-01, 2T12-04, 2T12-06, 2T16-02, 2T16-07, 2T12-03, 01, 02, 03, 04, 05, 06, 07, 11.

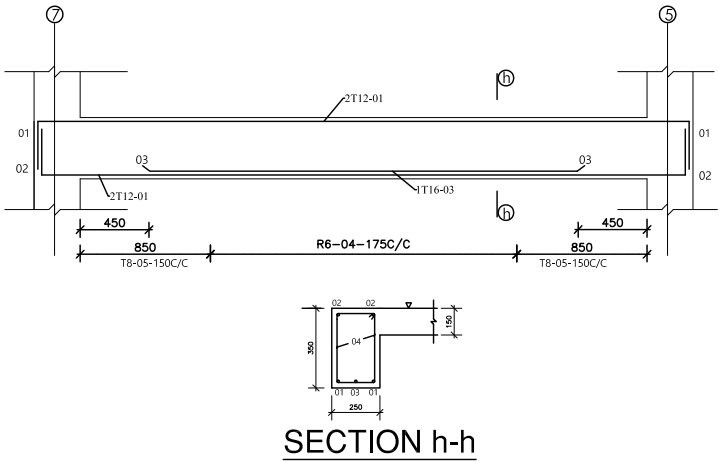
Cross-sections (Bottom):

- SECTION e-e:** Dimensions: 450, 250, 150. Labels: 05, 06, 07.
- SECTION d-d:** Dimensions: 300, 250, 125. Labels: 06, 04, 05, 07, 08.

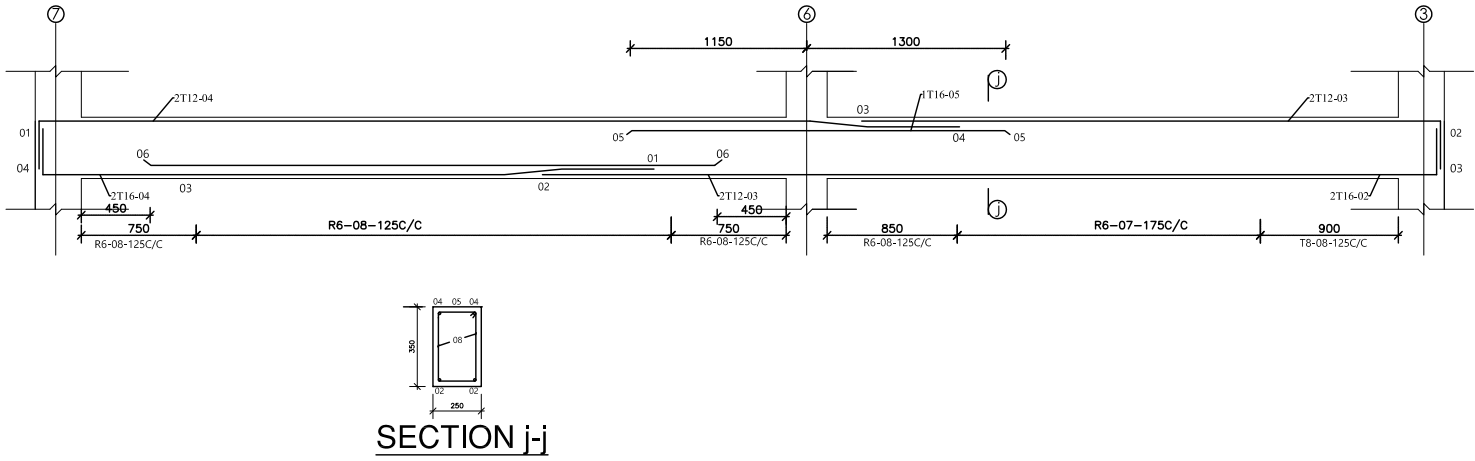
OUR STRENGTH IS YOUR'S TRUSS

PREMAJAYANTHA CONSTRUCTION (PVT) LTD
539/1, TRAINING COLLEGE ROAD
MALWATHTHA , NITTAMBUWA
EMAIL-PREMAJAYANTHA.CONSTRUCTION@GMAIL.COM
TEL- 0332297820
HOTLINE - 0777984630
WEB - WWW.PREMAJAYANTHA.CONSTRUCTIONS.COM

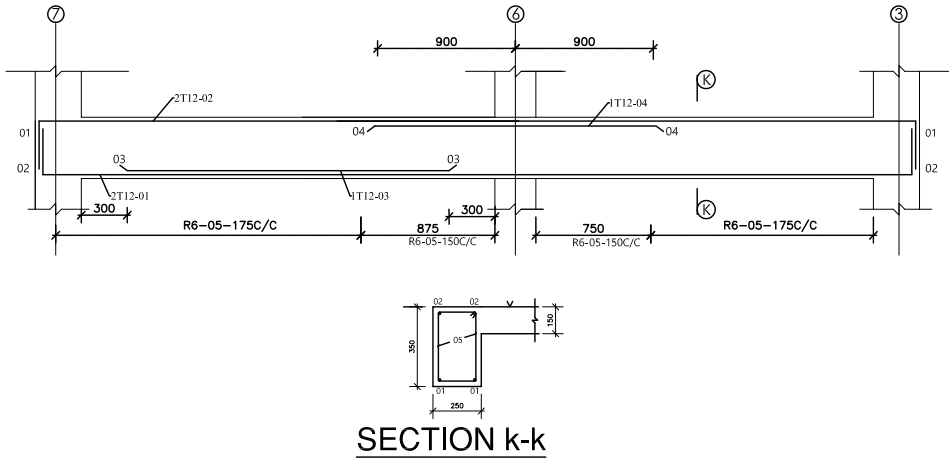
SFB5 (250x350) B(7-5)



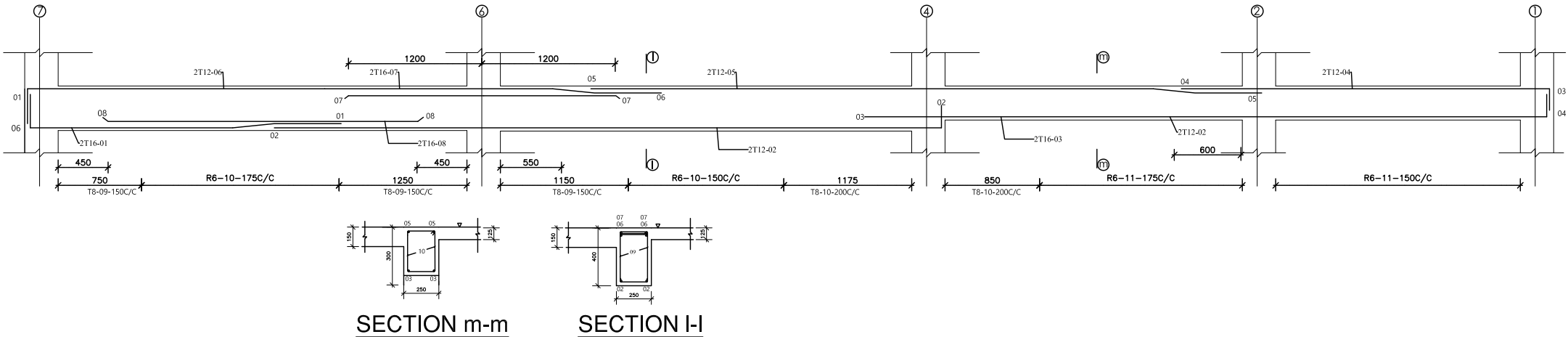
SFB6 (250x300) (7-3)



SFB7 (250x300) G(4-1)

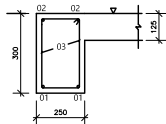
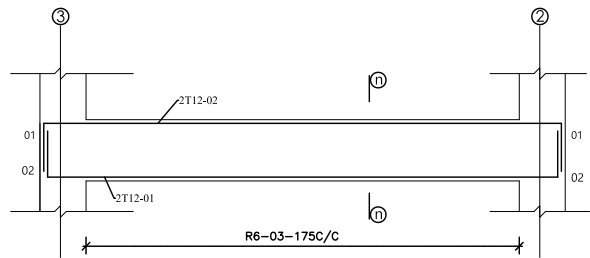


SFB8 (250x400)(250x300) F(7-1)



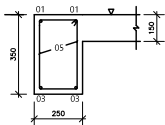
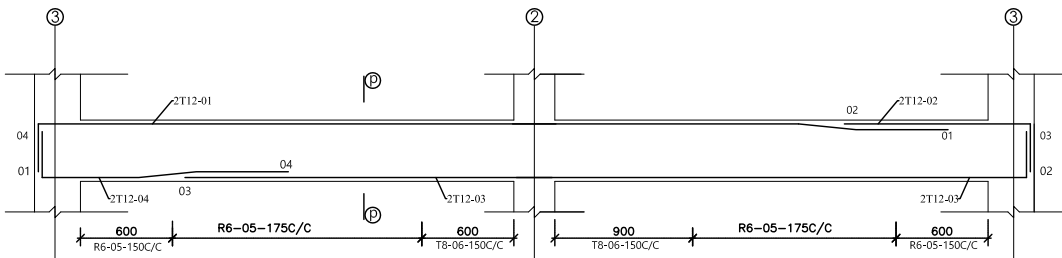
CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL :	DATE
 OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1, TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL- PREMAJAYANTHA CONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHA CONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	FIRST FLOOR BEAM DETAIL	DATE : 2024.10.04

SFB9 (250x300) H(3-2)



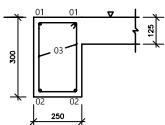
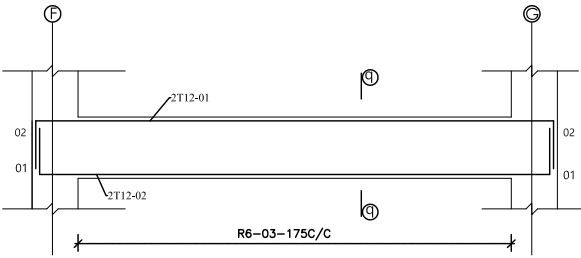
SECTION n-n

SFB10 (250x300) A(5-2)



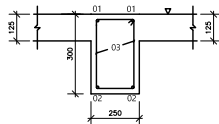
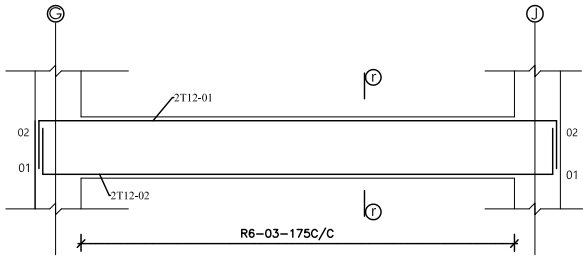
SECTION p-p

SFB11 (250x300) 1(F-G)



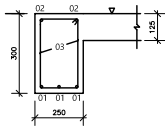
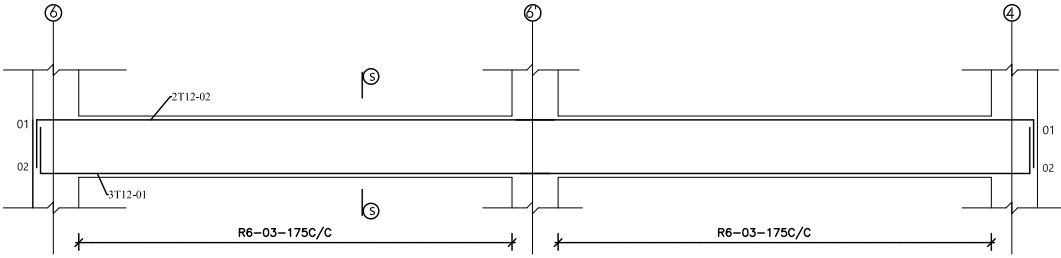
SECTION q-q

SFB12 (250x300) 3(G-J)



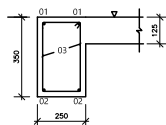
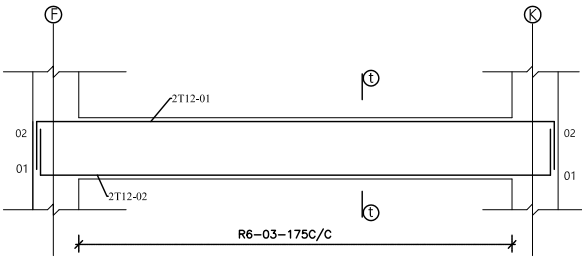
SECTION r-r

SFB13 (250x300) G'(6-4)



SECTION s-s

SFB14 (250x350) 5'(F-K)

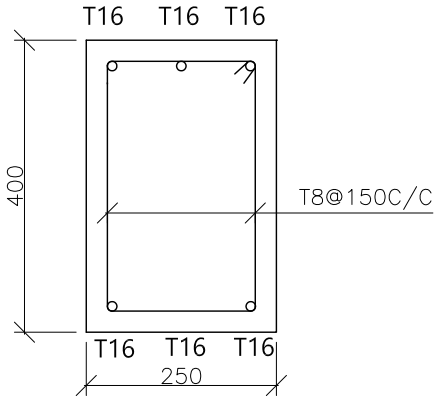


SECTION t-t

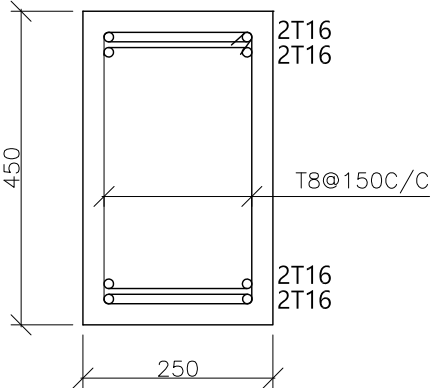
CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL :	DATE
 OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1,TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL-PREMAJAYANTHACONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHACONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	FIRST FLOOR BEAM DETAIL	DATE : 2024.10.04

FOOTING SCHEDULE			
FOUNDATION TYPE	FOUNDATION SIZE (L x W x D)	FOUNDATION REINFORCEMENT	CONCRETE GRADE
F1	2000 x 2000 x 275	T10 @ 150 C/C B1 T10 @ 150 C/C B2	C 25
F2	1700 x 1700 x 275	T10 @ 200 C/C B1 T10 @ 200 C/C B2	C 25
F3	1700 x 1500 x 275	T10 @ 175 C/C B1 T10 @ 200 C/C B2 T10 @ 200 C/C T1 T10 @ 225 C/C T2	C 25
F4	1350 x 1350 x 250	T10 @ 200 C/C B1 T10 @ 200 C/C B1	C 25
F5	2000 x 1700 x 300	T12 @ 175 C/C B1 T12 @ 200 C/C B2	C 25

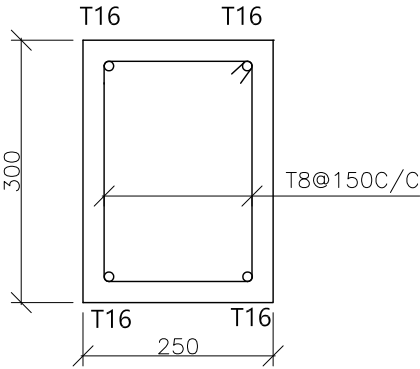
STUB COLUMN TYPE (ST)	COLUMN SIZE			STUB COLUMN REINFORCEMENT		
	UP TO DPC	G.F TO F.F	F.F TO S.F	UP TO DPC	G.F TO F.F	F.F TO S.F
C1	250 x 250	250 x 250	250 x 250			
C2	250 x 250	250 x 250	250 x 250			
C3	250 x 250	250 x 250	250 x 250			
C4	450 x 350	NA	NA		NA	NA



TYPICAL DETAIL
PLINTH BEAM PB1,PB2



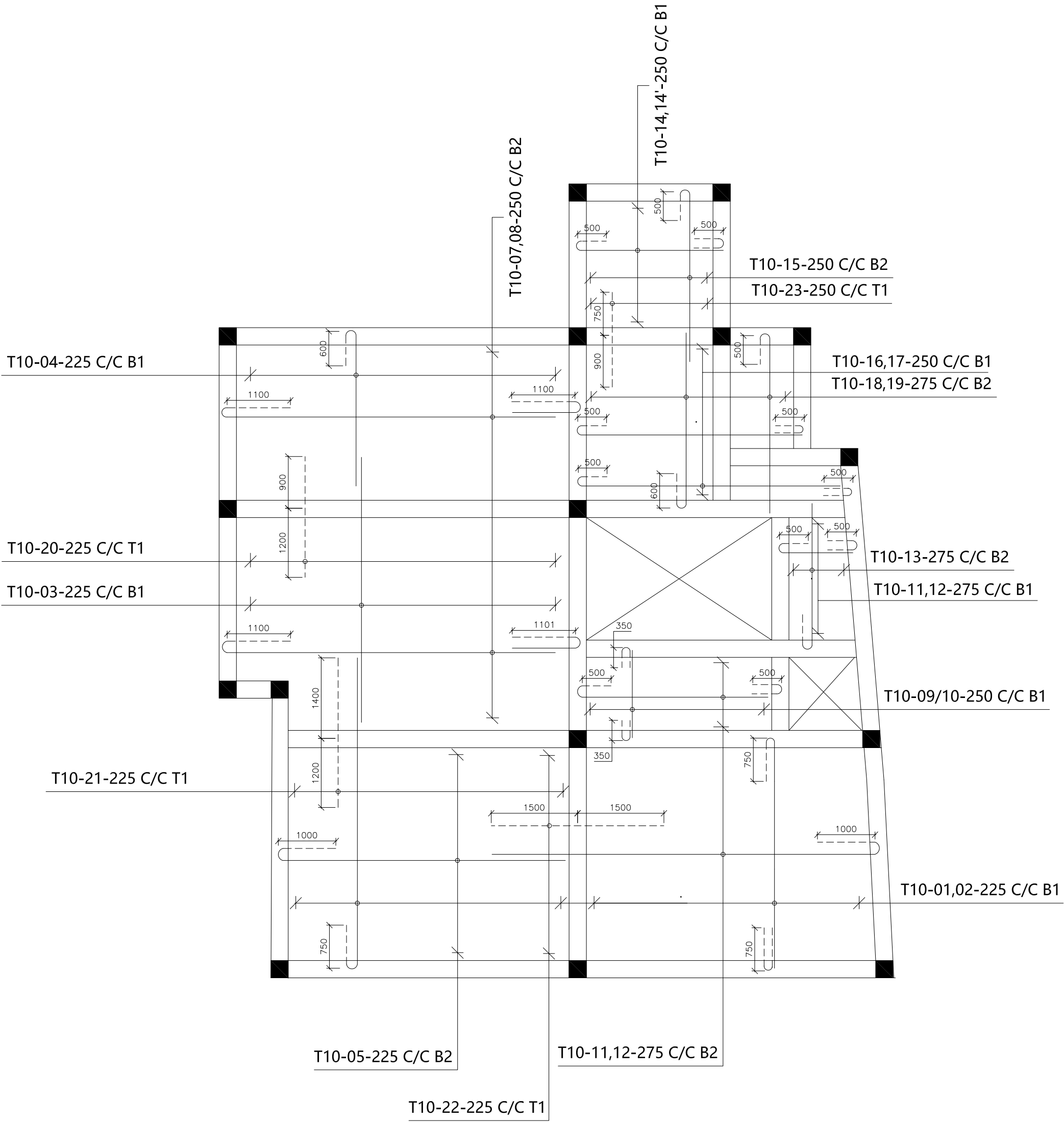
TYPICAL DETAIL OF
PLINTH BEAM PB3,PB4



TYPICAL DETAIL OF
ALL OTHER OLINTH BEAMS

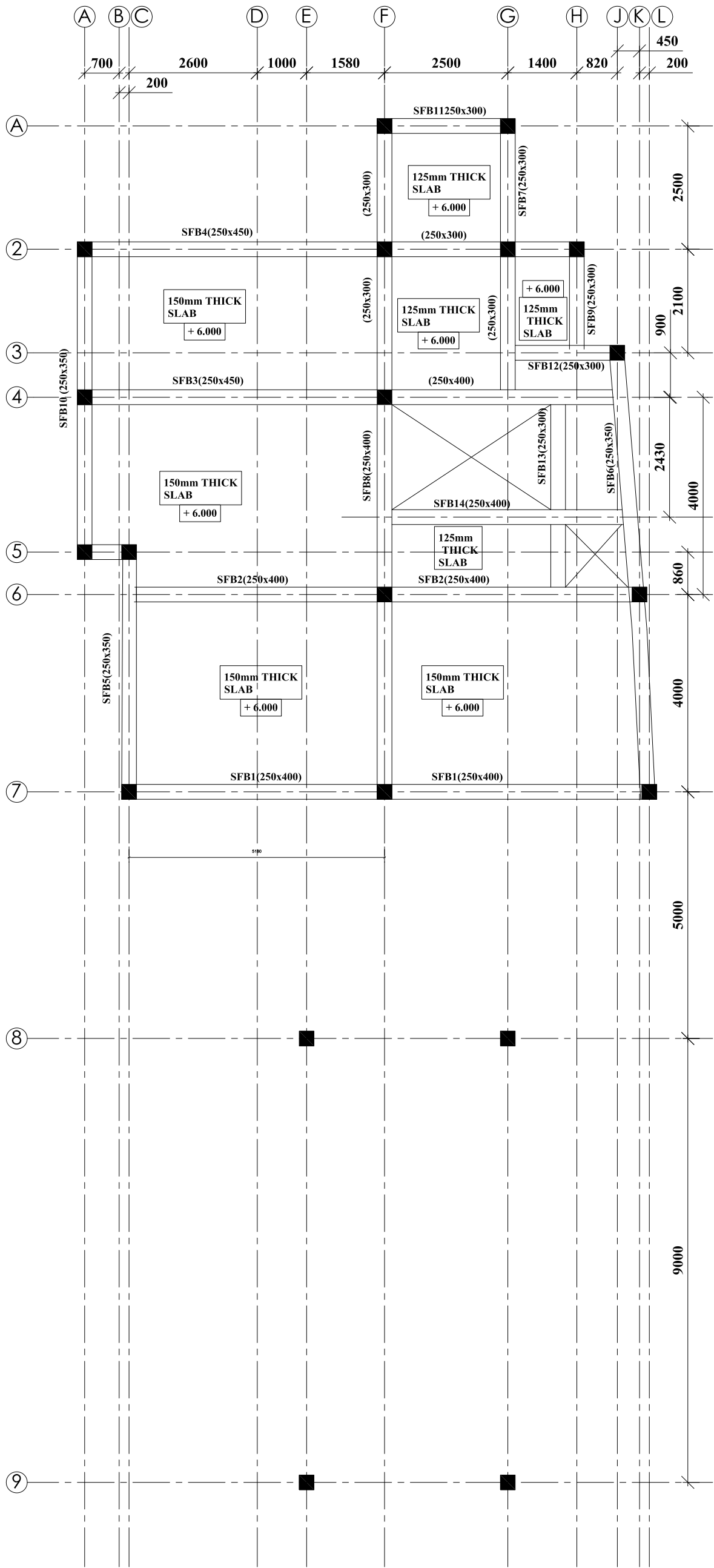
NOTE-
PLINTH BEAM SHOULD BE CONSTRUCTED WITH
RELATED TO THE WALL FOUNDATION DETAIL
DRAWINGS

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL :	DATE
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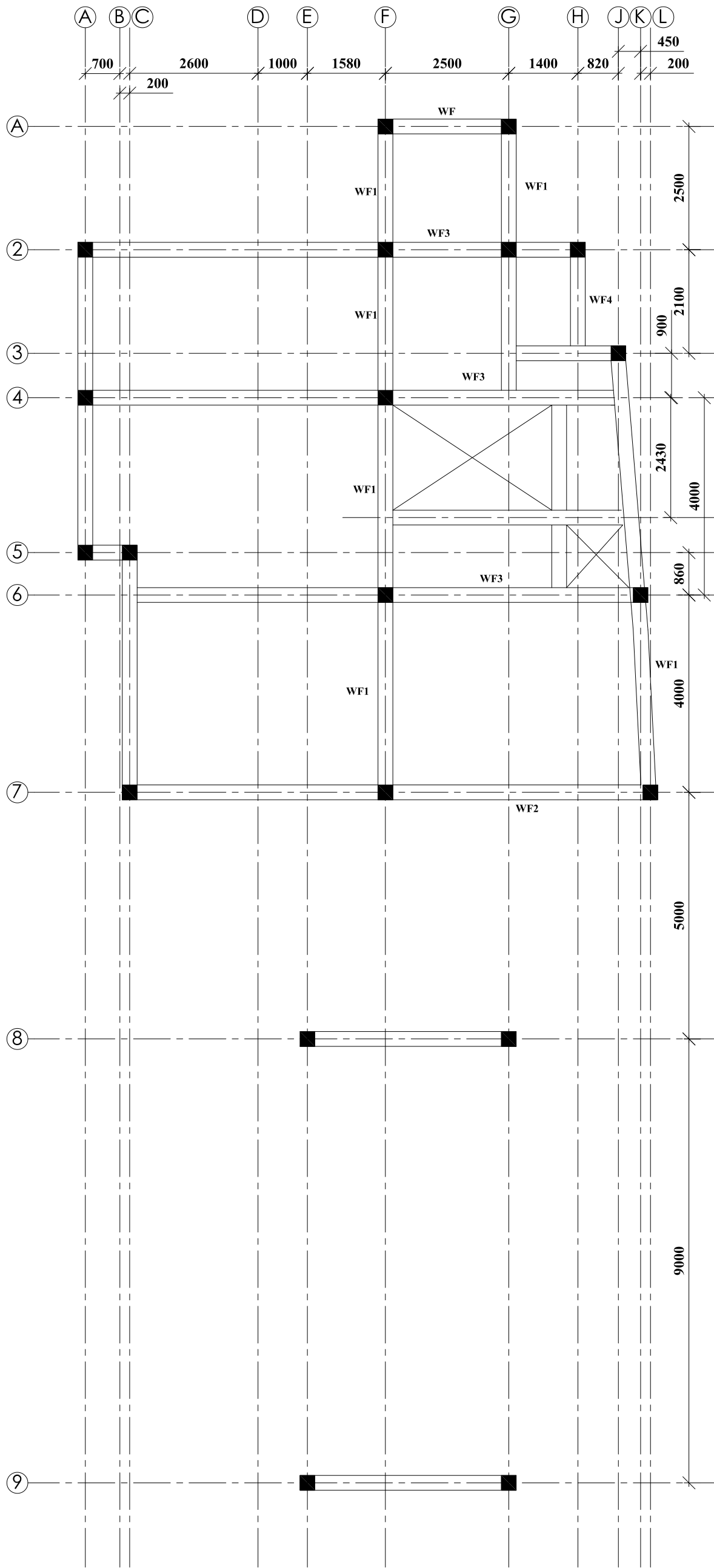
SECOND FLOOR SLAB R/F DETAIL

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
 OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1, TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL-PREMAJAYANTHACONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHACONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	SECOND FLOOR R/F DETAIL	DATE : 2024.10.04



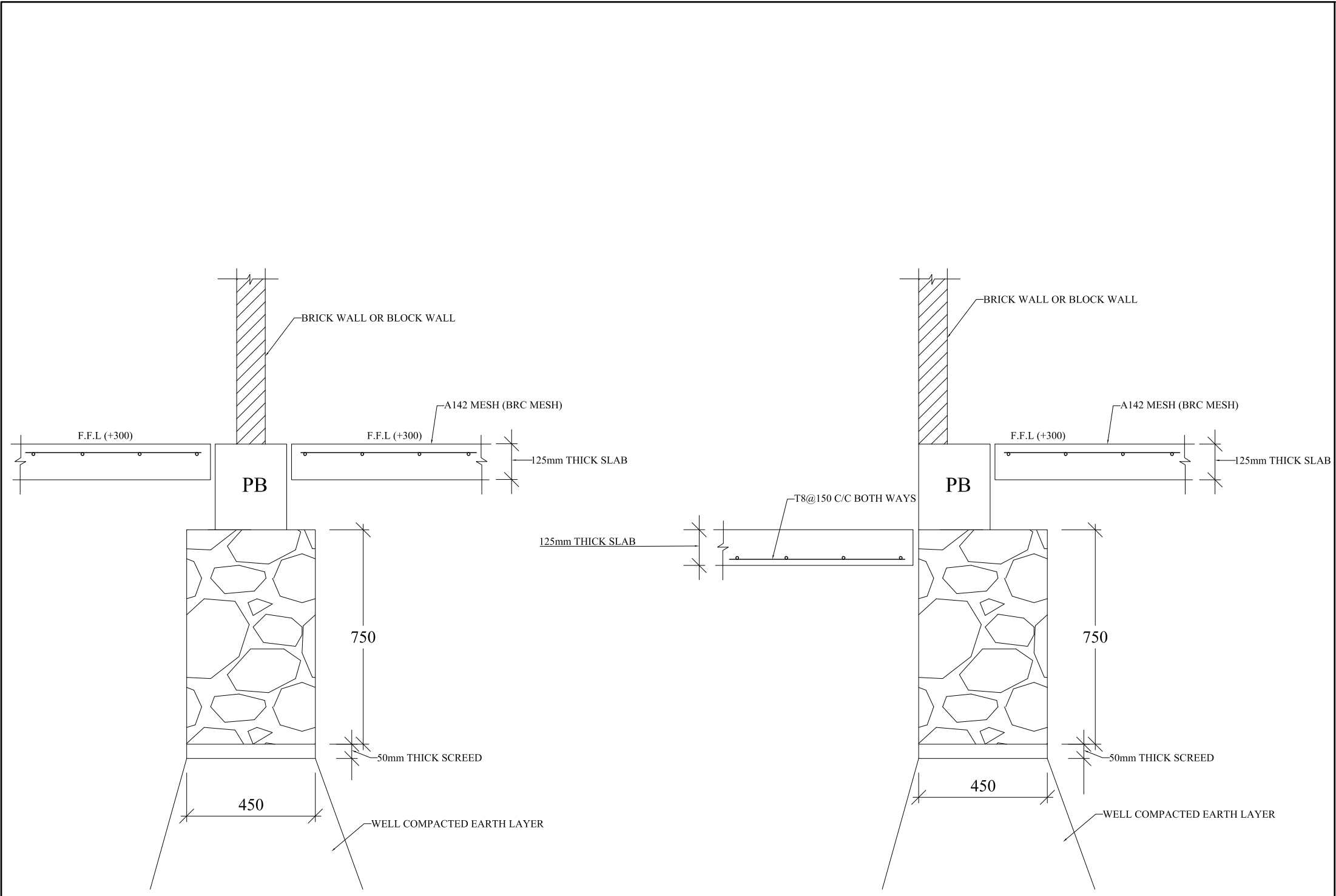
SECOND FLOOR BEAM LAYOUT PLAN

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1, TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL- PREMAJAYANTHA CONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHA CONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	SECOND FLOOR BEAM LAYOUT PLAN	DATE : 2024.10.04



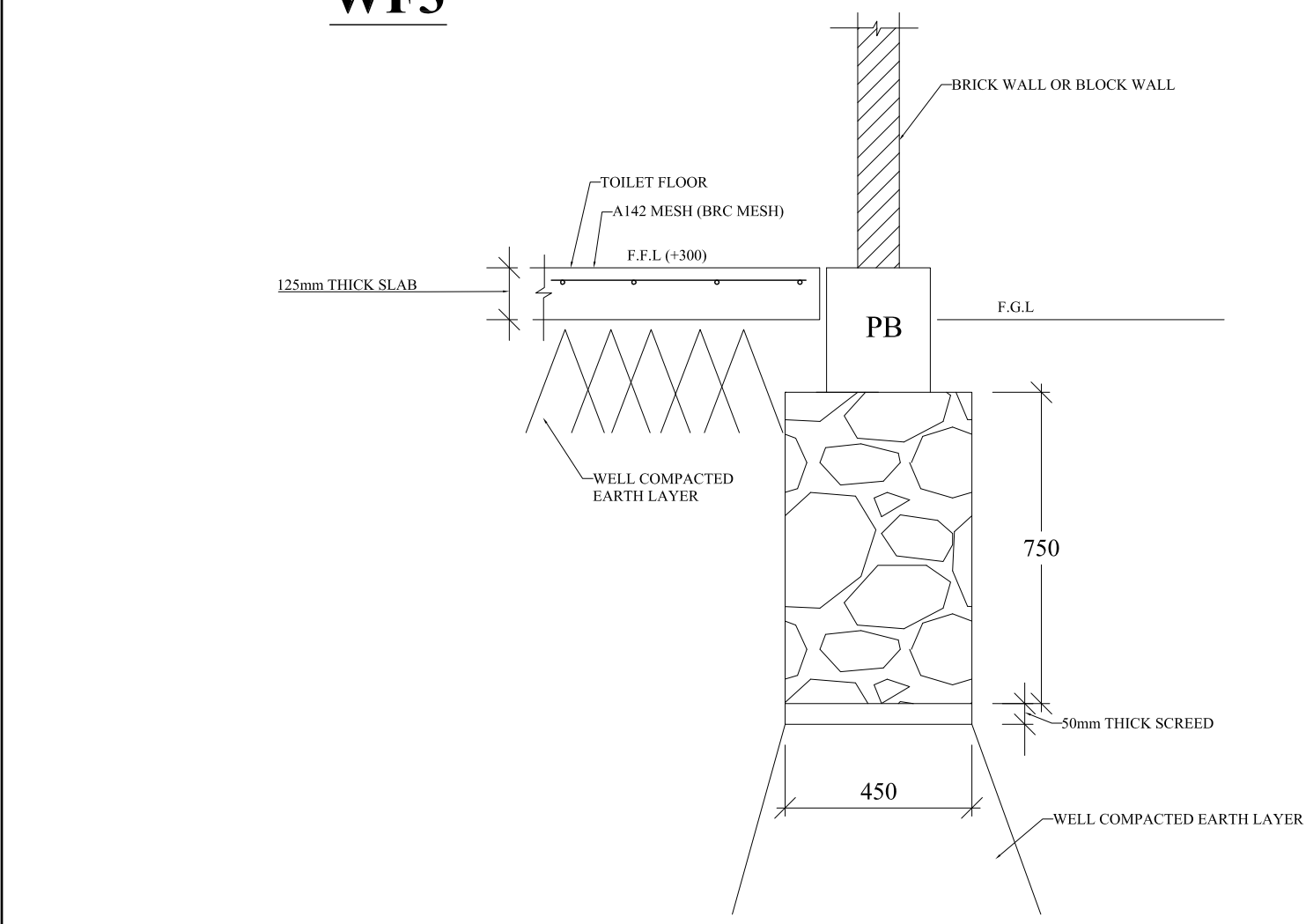
TYPICAL WALL FOUNDATION DETAIL

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL	DATE
OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1, TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL- PREMAJAYANTHA CONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHA CONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	TYPICAL WALL FOUNDATION DETAIL	DATE : 2024.10.04



WF3

WF1,WF2



WF4

CONTRACTOR	STRUCTURAL ENGINEER	PROJECT :	DETAIL :	DATE
 OUR STRENGTH IS YOUR'S TRUSS PREMAJAYANTHA CONSTRUCTION(PVT)LTD 539/1, TRAINING COLLEGE ROAD MALWATHTHA , NITTAMBUWA EMAIL-PREMAJAYANTHA CONSTRUCTION@GMAIL.COM TEL - 0332297820 HOTLINE - 0777984630 WEB - WWW.PREMAJAYANTHA CONSTRUCTIONS.COM	STRUCTURAL ENGINEER H.A.S ROSHANTHA CONSULTANT ENGINEER BSC(ENG.)PG DIP (CON.MGT), C ENG MIE, ASSP(GBCSL)	PROPOSED OFFICE BUILDING FOR IOC FILLING STATION MR.DEVITHAPPUHAMI KANDY	WF1 , WF2 , WF3 , WF4 DETAIL	DATE : 2024.10.04