

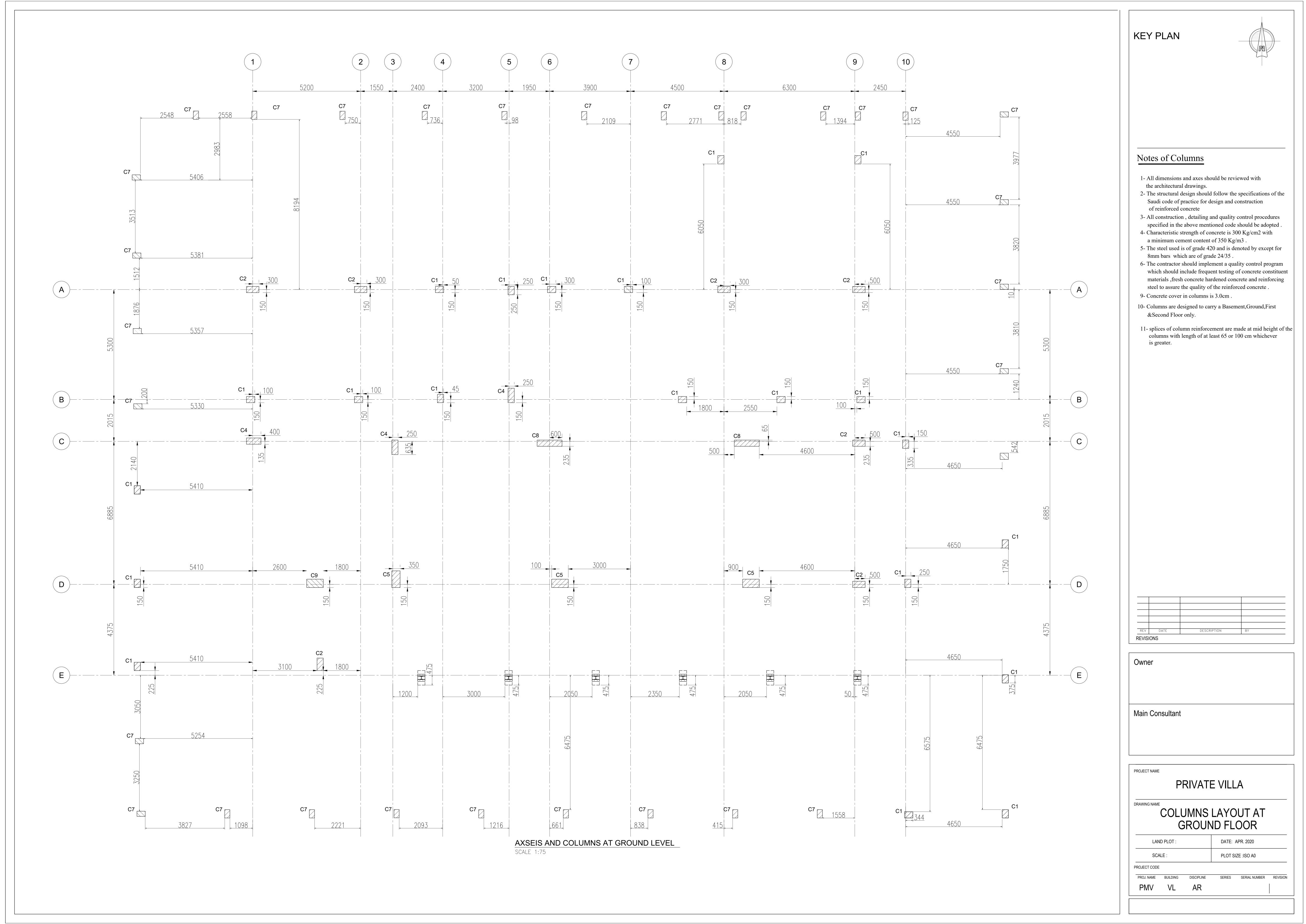
AXSEIS AND COLUMNS AT BASMENT LEVEL

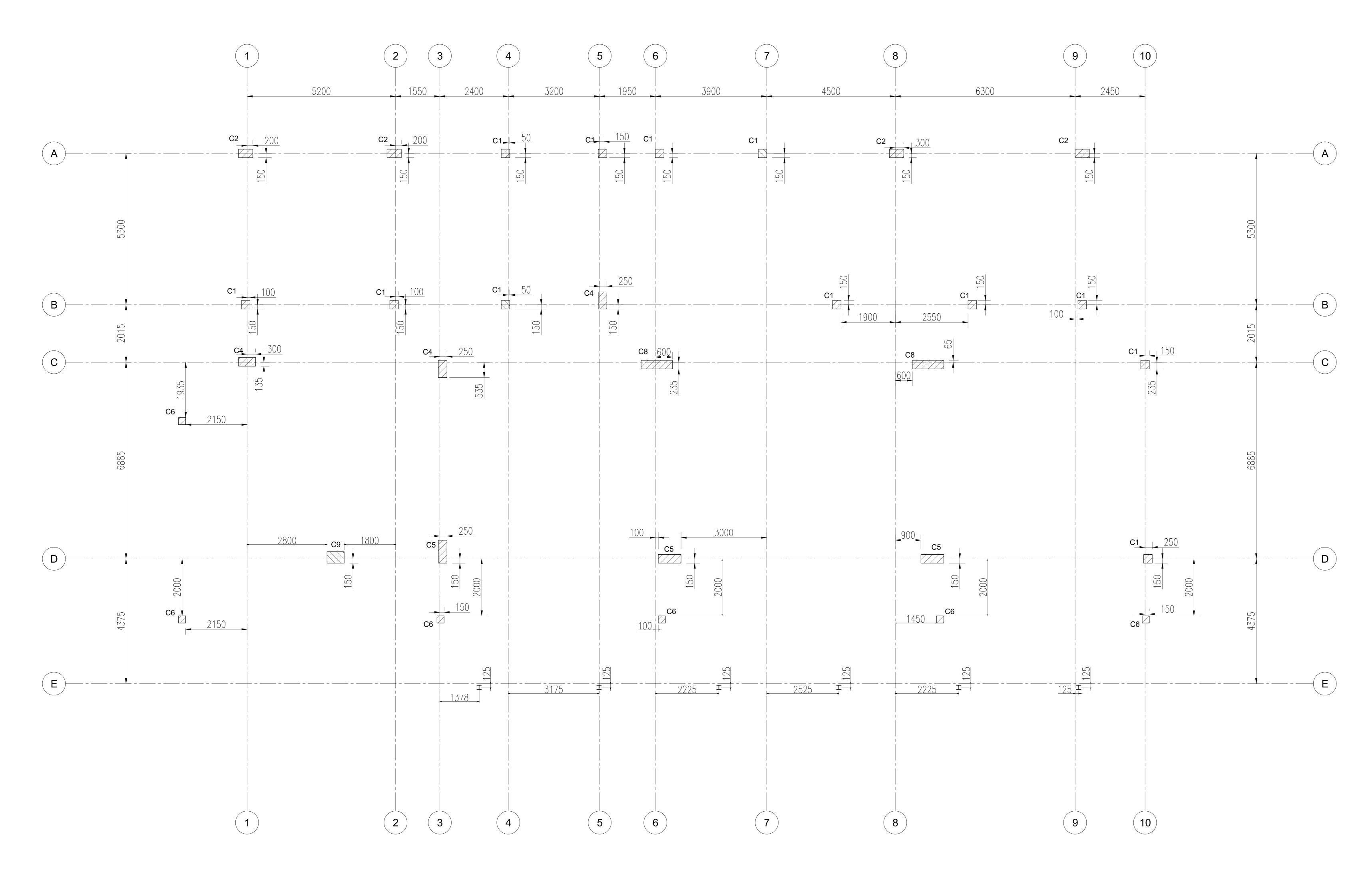
SCALE 1:75

	Notes of Columns
	 All dimensions and axes should be reviewed with the architectural drawings. The structural design should follow the specifications of the Saudi code of practice for design and construction of reinforced concrete All construction, detailing and quality control procedures specified in the above mentioned code should be adopted. Characteristic strength of concrete is 300 Kg/cm2 with a minimum cement content of 350 Kg/m3. The steel used is of grade 420 and is denoted by except for 8mm bars which are of grade 24/35. The contractor should implement a quality control program which should include frequent testing of concrete constituer materials ,fresh concrete hardened concrete and reinforcing steel to assure the quality of the reinforced concrete . Concrete cover in columns is 3.0cm . Columns are designed to carry a Basement,Ground,First
	&Second Floor only. 11- splices of column reinforcement are made at mid height of
	columns with length of at least 65 or 100 cm whichever is greater.
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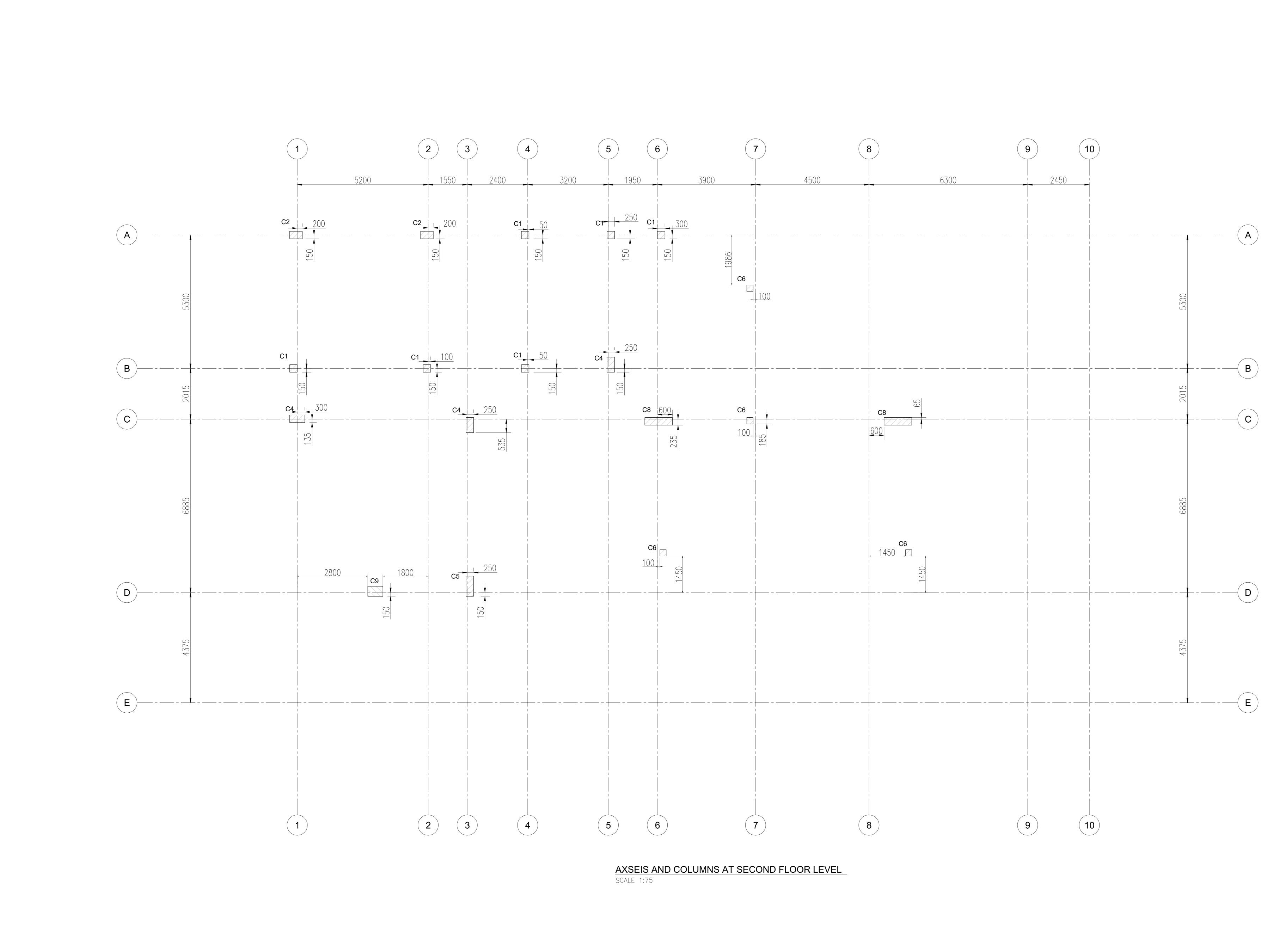
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AXSEIS AND COLUMNS AT FIRST FLOOR LEVEL SCALE 1:75

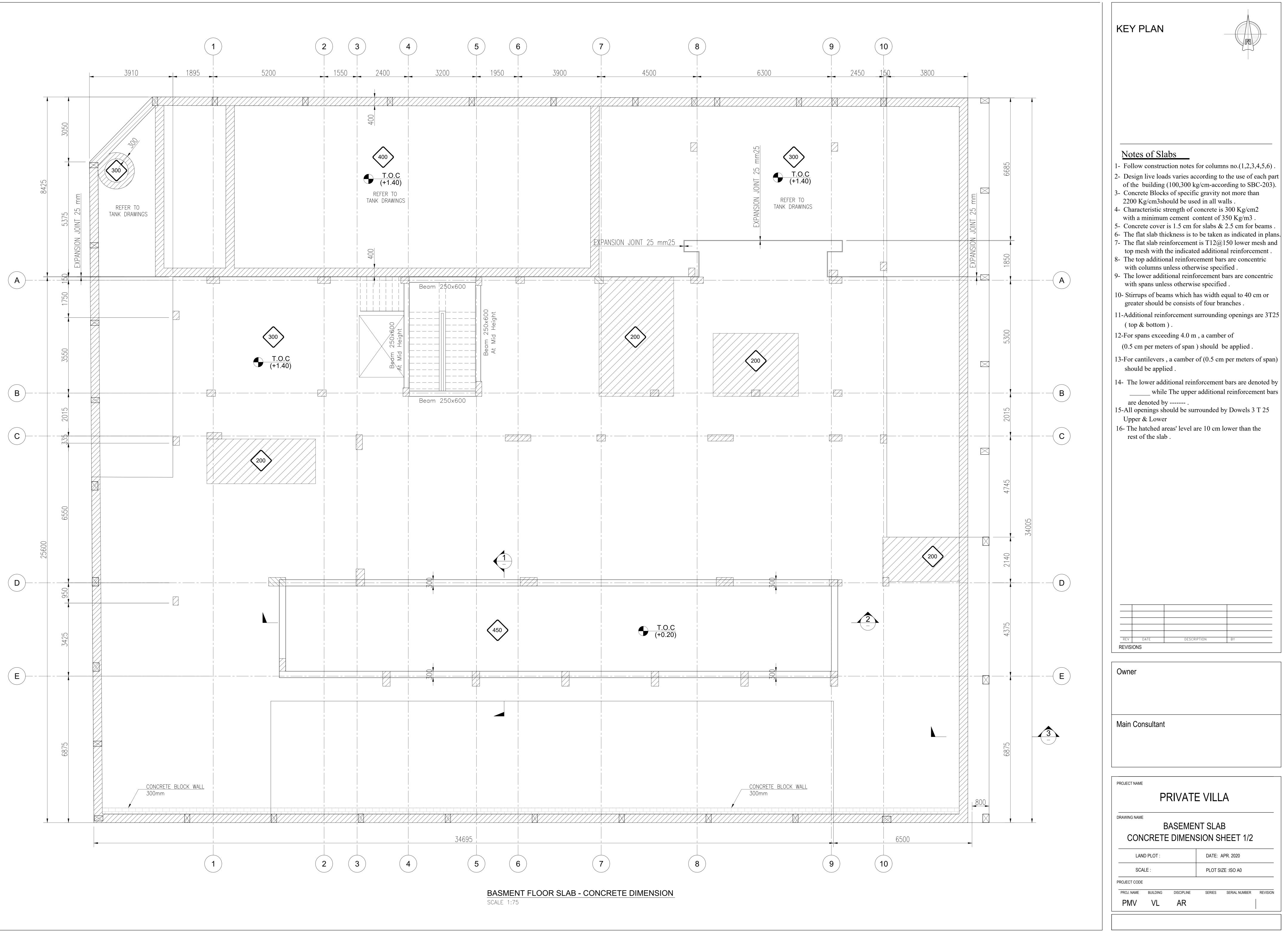
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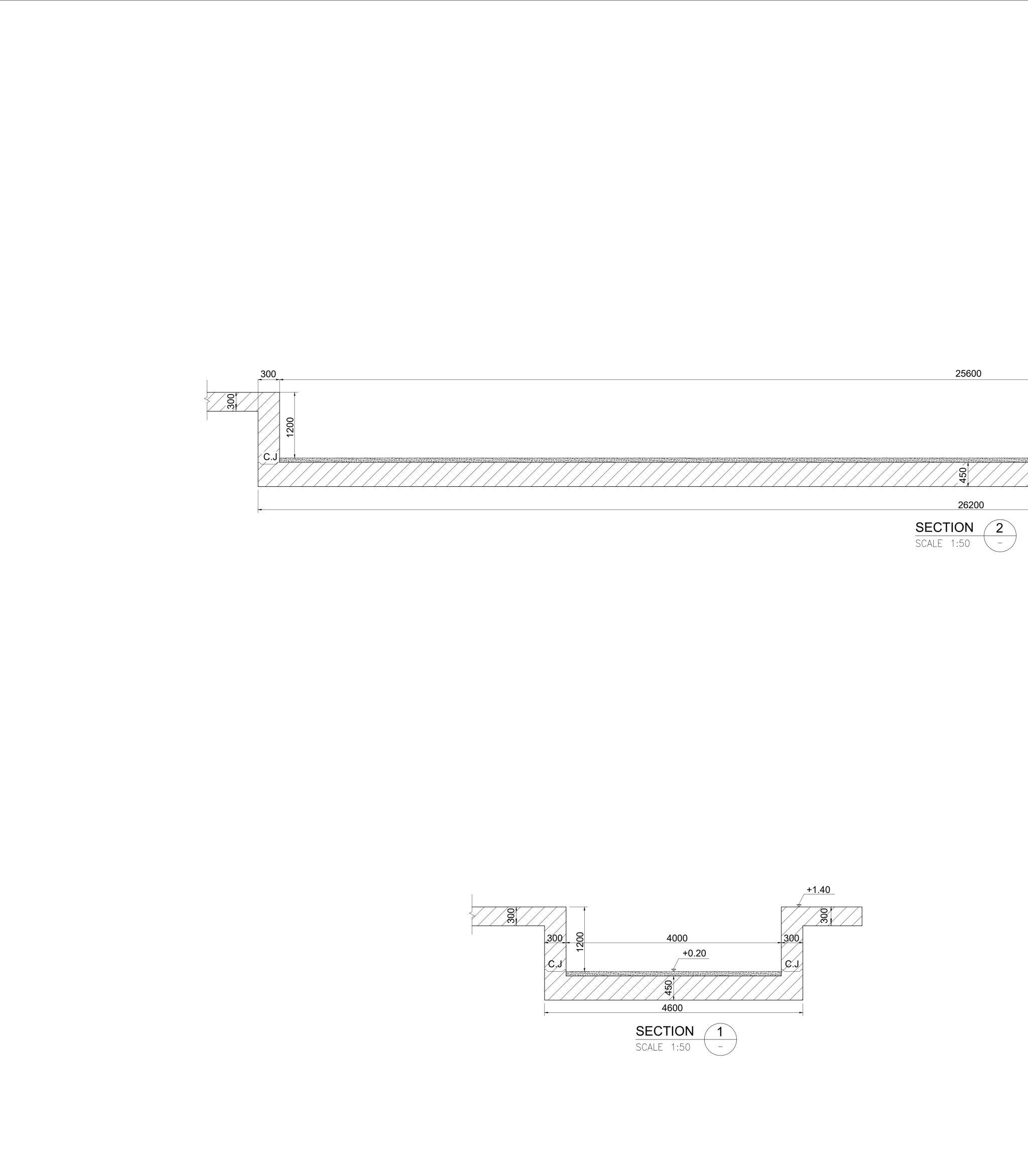


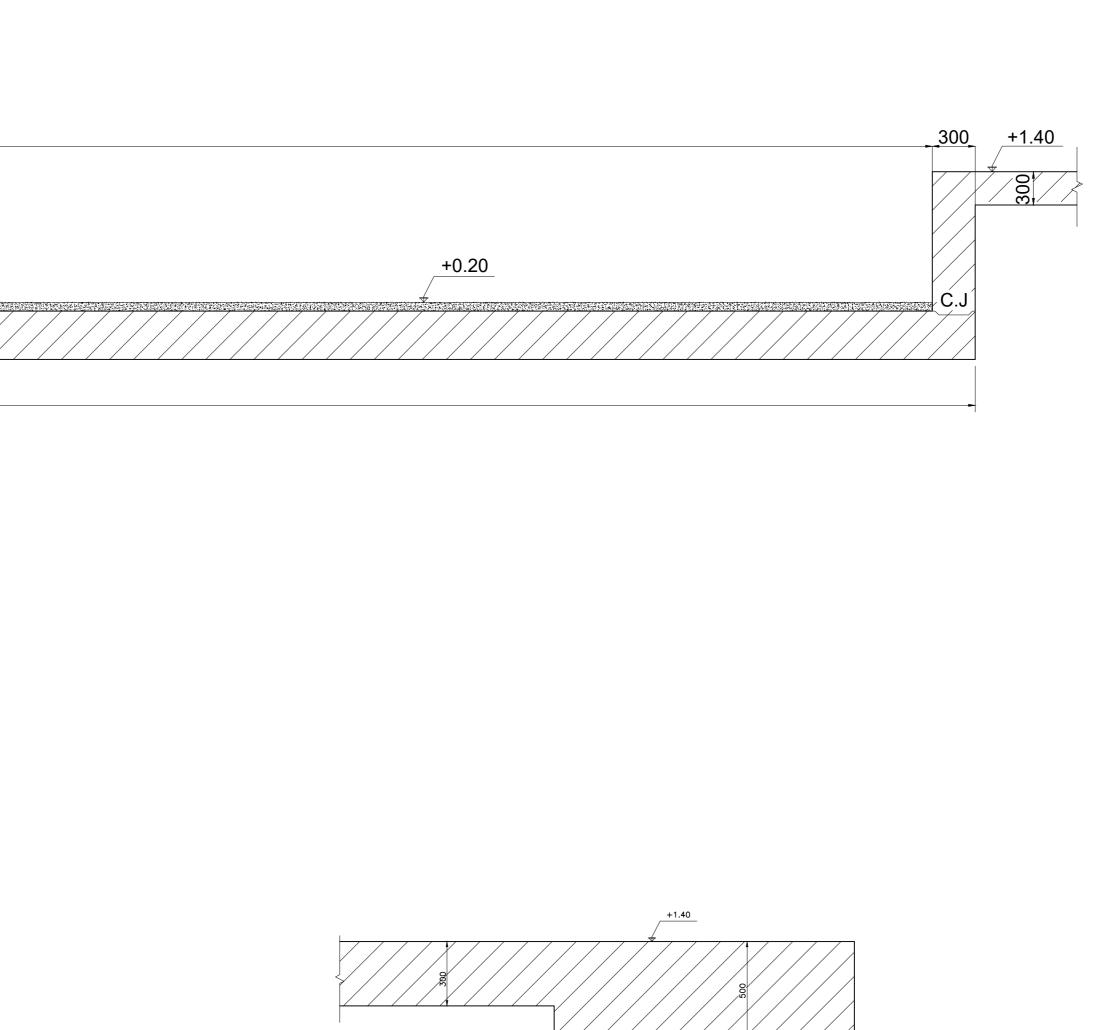
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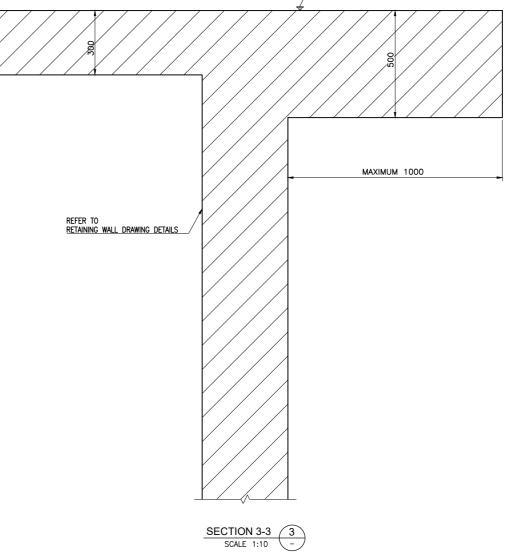
			TABLE OF C	olumns		
COLUMN TYPE	DIMENSION @ BASEMENT & GROUND FLOOR	REINFORCEMENT@ BASEMENT & GROUND FLOOR	REINFORCEMENT DETAILS @ BASEMENT AND GROUND FLOOR	DIMENSION @ FIRST & SECOND FLOOR	REINFORCEMENT@ FIRST & SECOND	REINFORCEMENT DETAILS @ FIRST & SECOND FLOOR
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C3	350X700	14T16	8 350 350			
C4	300X700	12T20		300X600	10T20	
C5	400X800	16T20		300X800	14T20	
C6				250X250	4T16	$\square I S = T8@200$
POST COLUMN C7	250x400	6T12	10 10 10 10 10 10 10 10			
C8	300X1200	16T20		300X1100	14T20	
C9	400X800	16T20		400X600	14T20	

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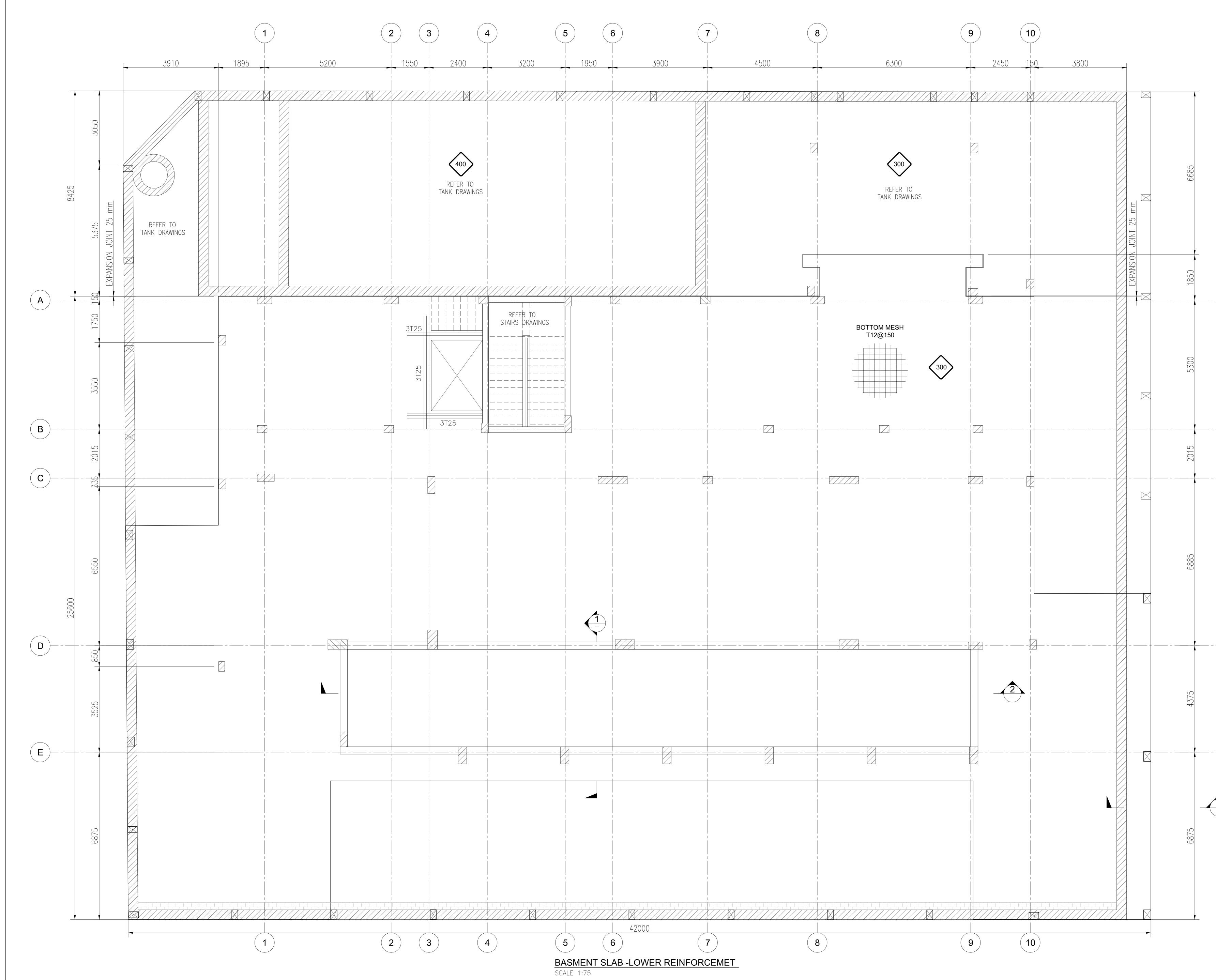




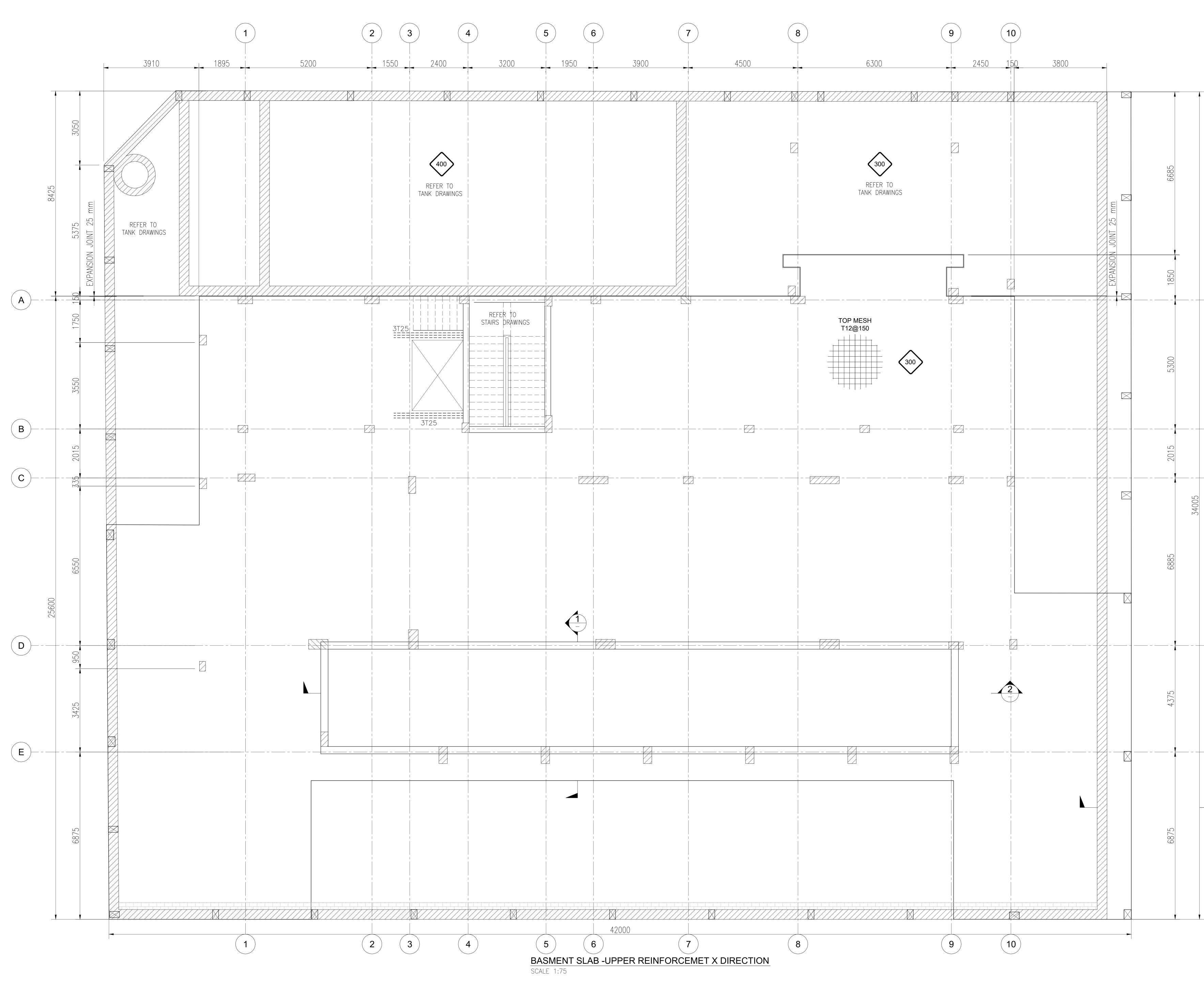




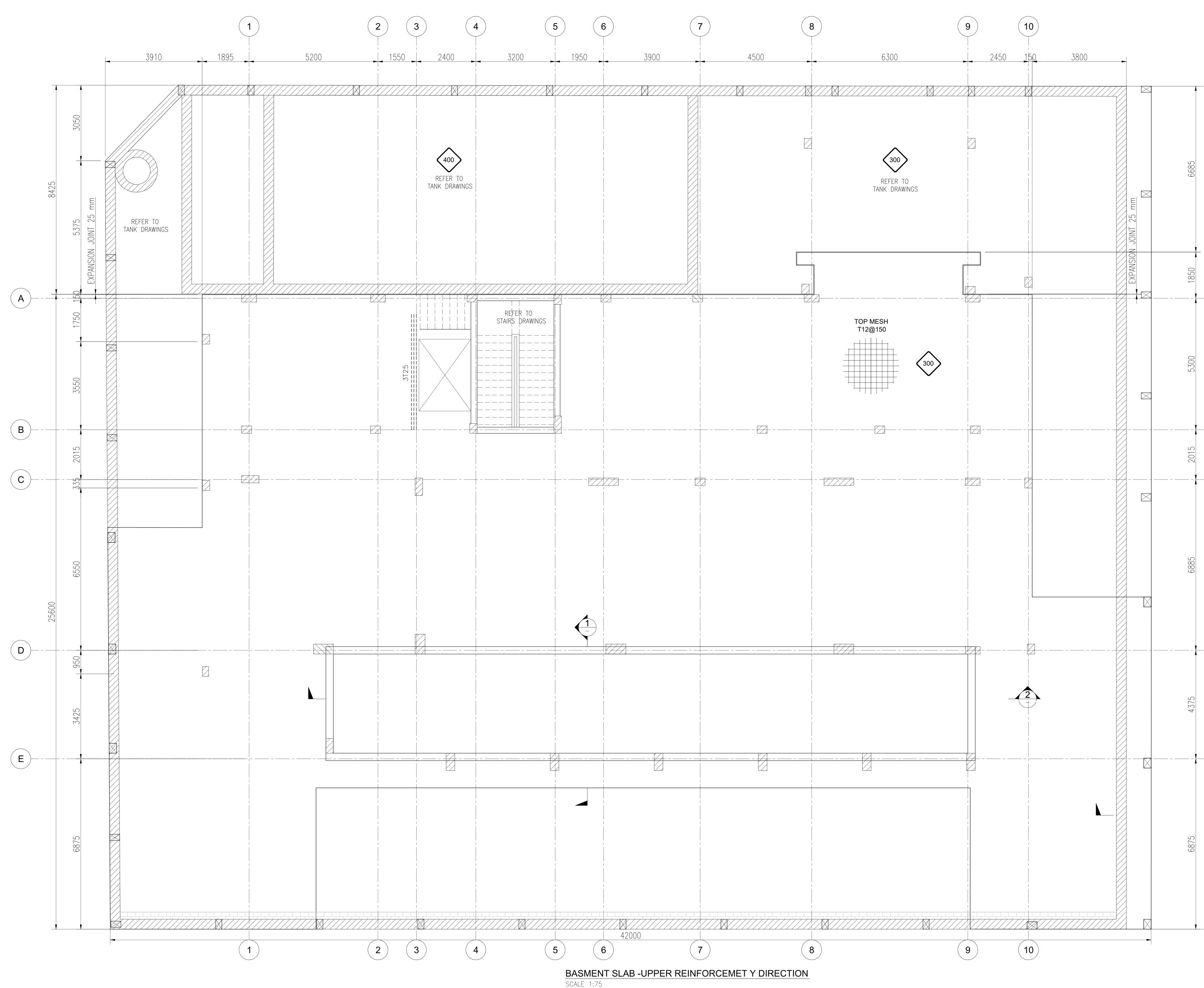
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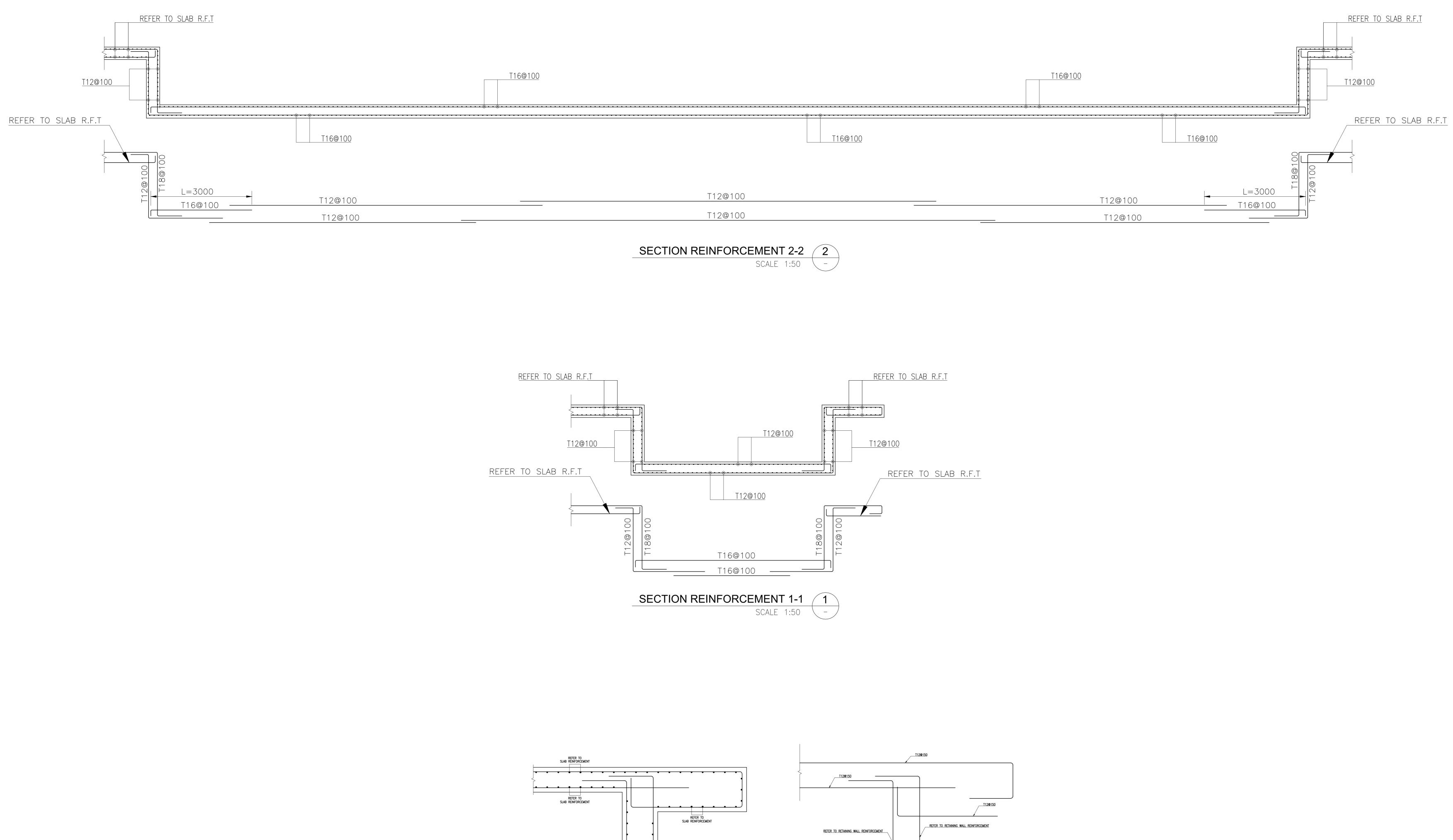
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KEY PLAN Notes of Slabs 1- Follow construction notes for columns no.(1,2,3,4,5,6). 2- Design live loads varies according to the use of each part of the building (100,300 kg/cm-according to SBC-203). 3- Concrete Blocks of specific gravity not more than 2200 Kg/cm3should be used in all walls . 4- Characteristic strength of concrete is 300 Kg/cm2 with a minimum cement content of 350 Kg/m3. 5- Concrete cover is 1.5 cm for slabs & 2.5 cm for beams. 6- The flat slab thickness is to be taken as indicated in plans. 7- The flat slab reinforcement is T12@150 lower mesh and top mesh with the indicated additional reinforcement. 8- The top additional reinforcement bars are concentric with columns unless otherwise specified. 9- The lower additional reinforcement bars are concentric (A) with spans unless otherwise specified. 10- Stirrups of beams which has width equal to 40 cm or greater should be consists of four branches. 11-Additional reinforcement surrounding openings are 3T25 (top & bottom). 12-For spans exceeding 4.0 m, a camber of (0.5 cm per meters of span) should be applied. 13-For cantilevers , a camber of (0.5 cm per meters of span) should be applied . 14- The lower additional reinforcement bars are denoted by -(B) while The upper additional reinforcement bars are denoted by ------ . 15-All openings should be surrounded by Dowels 3 T 25 Upper & Lower 16- The hatched areas' level are 10 cm lower than the —(c) rest of the slab. - --(D) _____ _____ ____ REV DATE DESCRIPTION REVISIONS —(E) Owner 3 Main Consultant PROJECT NAME PRIVATE VILLA DRAWING NAME BASMENT LEVEL UPPER MESH REINFORCEMENT DETAILS **X DIRECTION** DATE: APR. 2020 LAND PLOT : SCALE : PLOT SIZE : ISO A0 PROJECT CODE PROJ. NAME BUILDING DISCIPLINE SERIAL NUMBER REVISION SERIES PMV VL AR

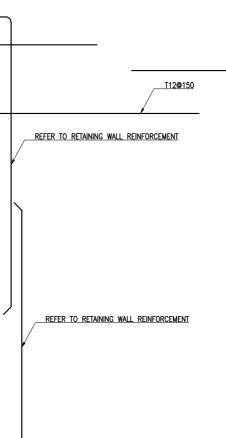


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Owner

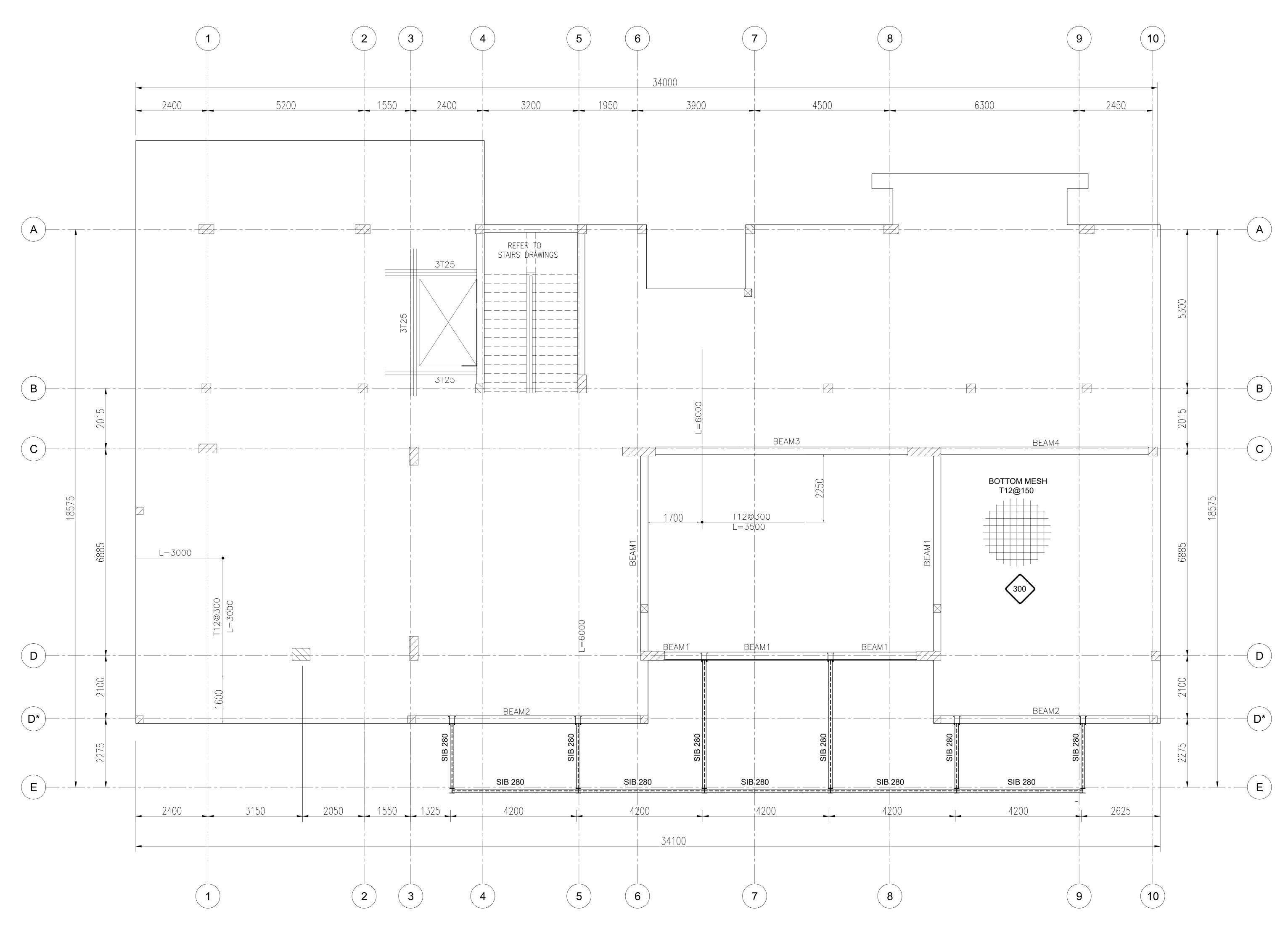
Main Consultant

PROJECT NAME

PRIVATE VILLA DRAWING NAME BASMENT LEVEL GENERAL REINFORCEMENT DETAILS DATE: APR. 2020 LAND PLOT : SCALE : PLOT SIZE : ISO A0 _____ PROJECT CODE

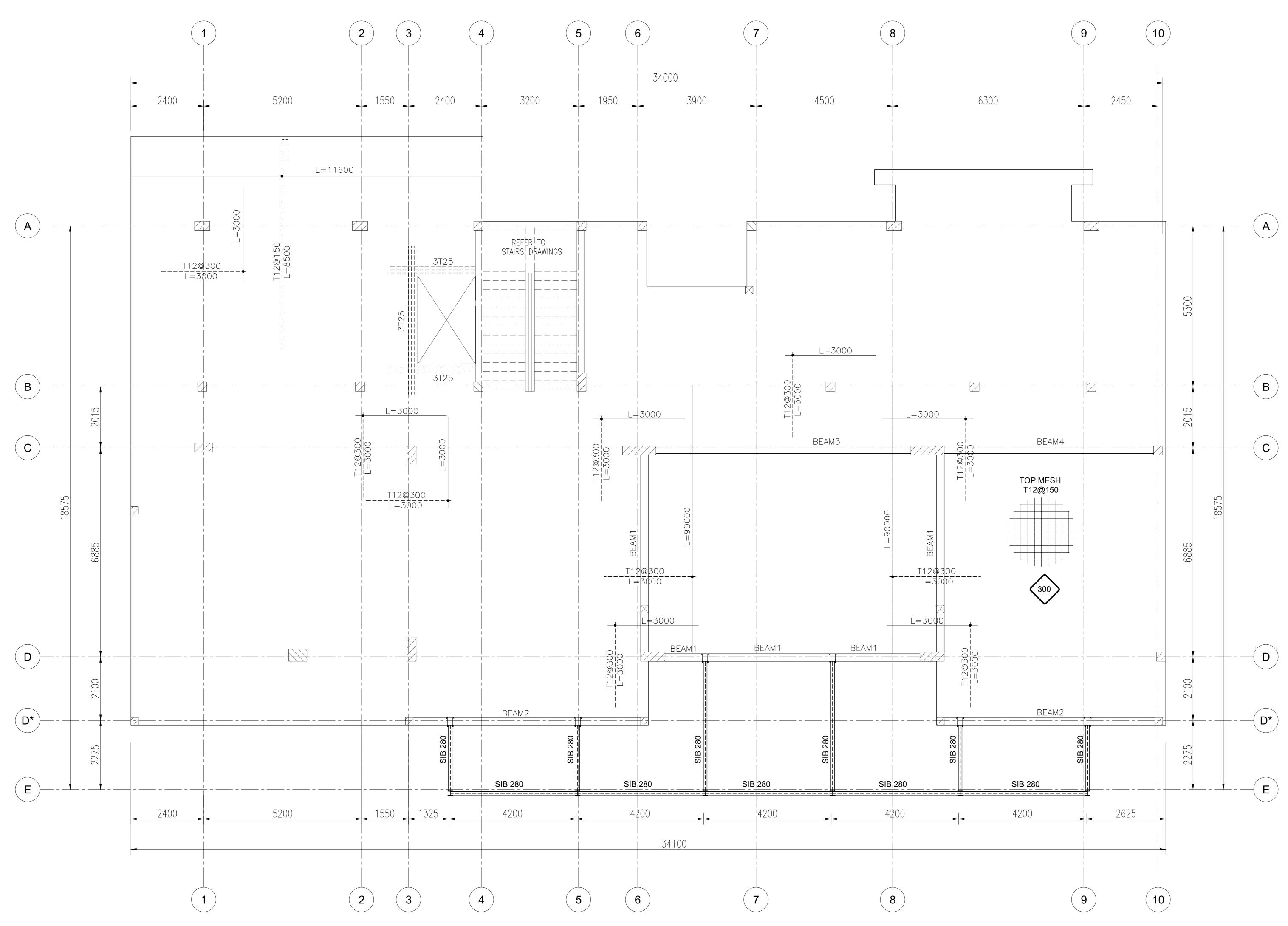
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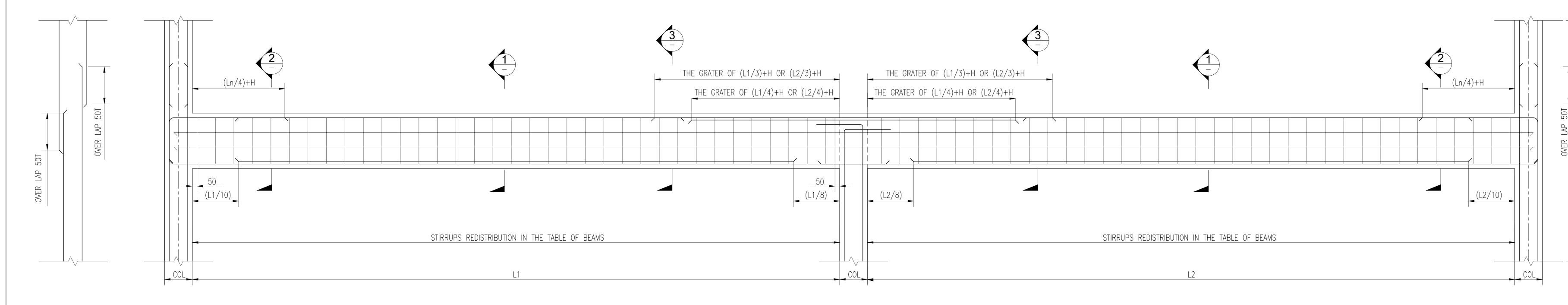
FIRST FLOOR SLAB - LOWER REINFORCEMET SCALE 1:75

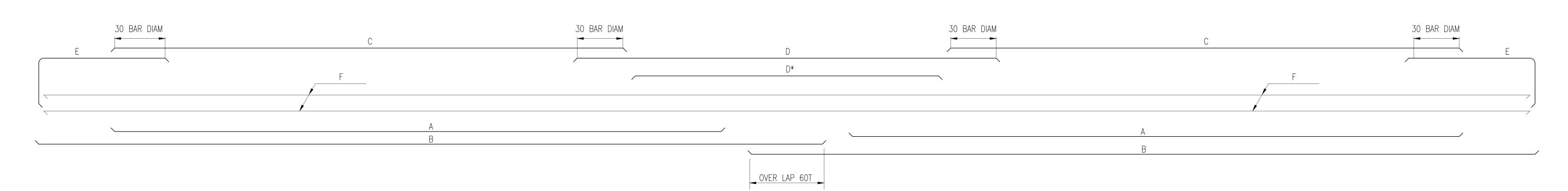
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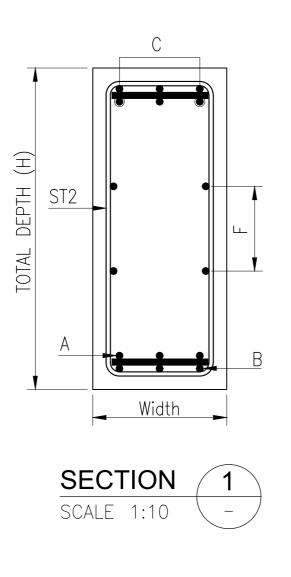


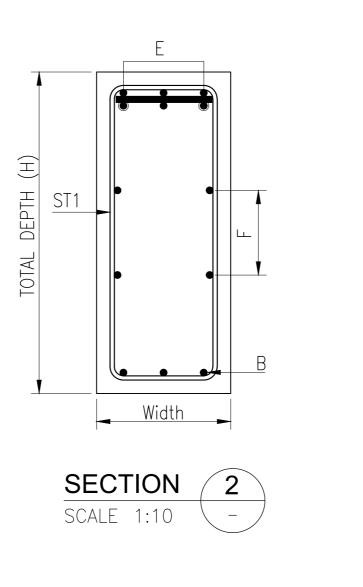
FIRST FLOOR SLAB - UPPER REINFORCEMET SCALE 1:75

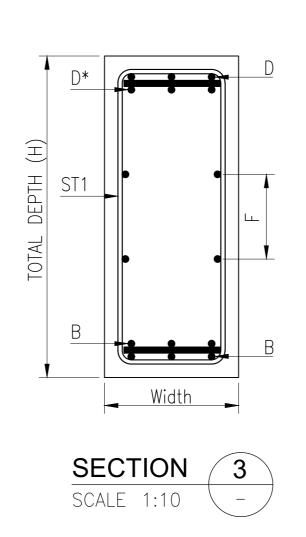
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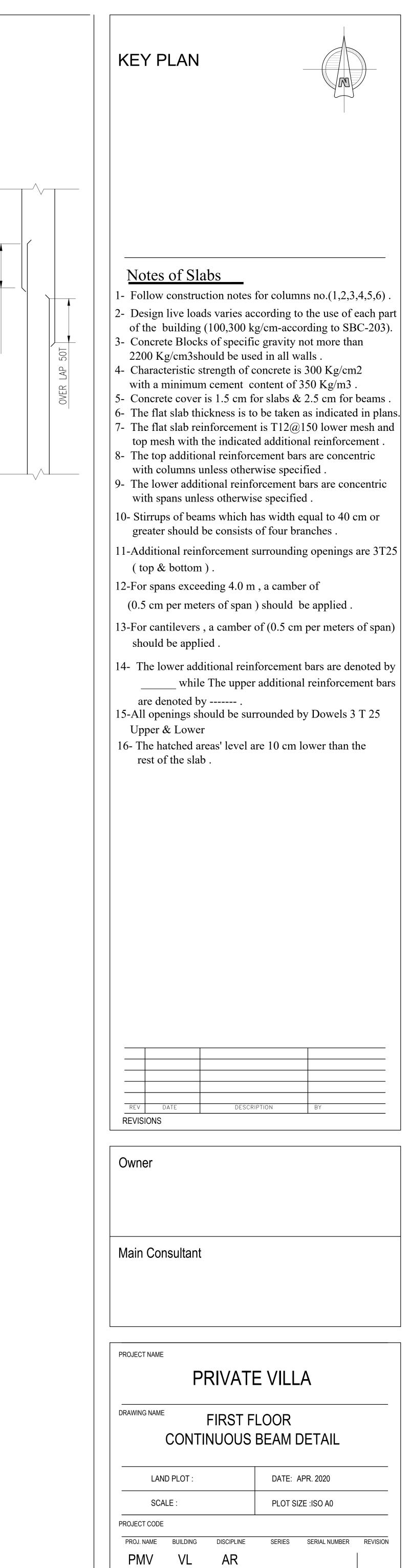


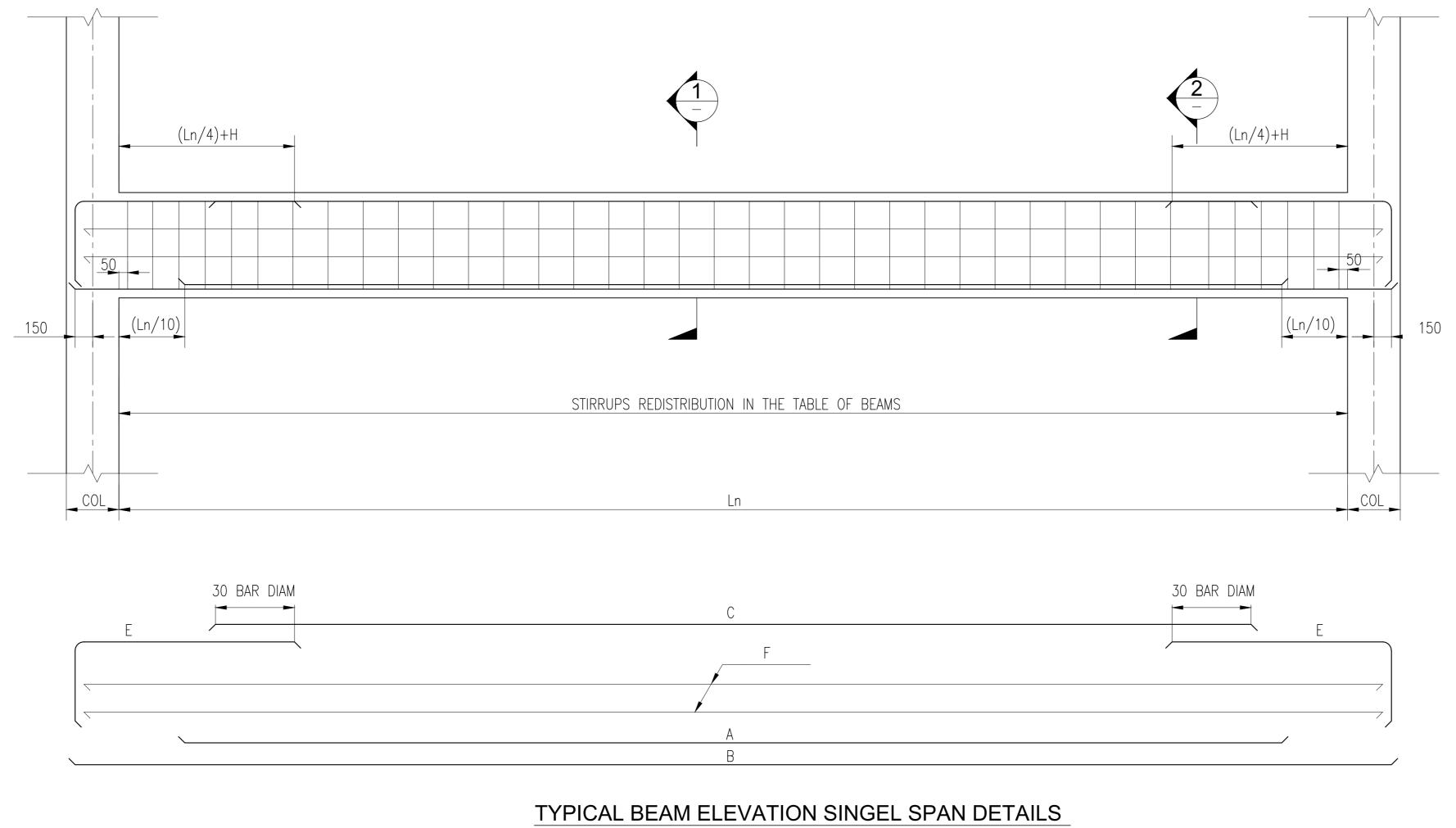






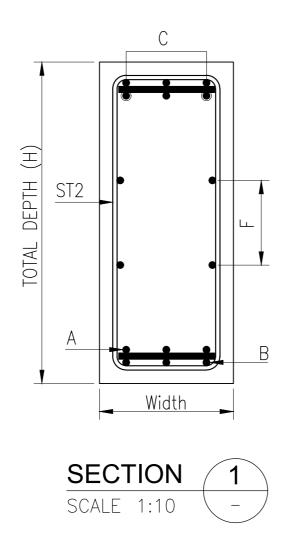


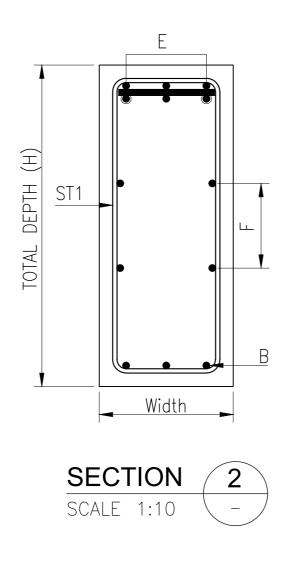






SCALE 1:25

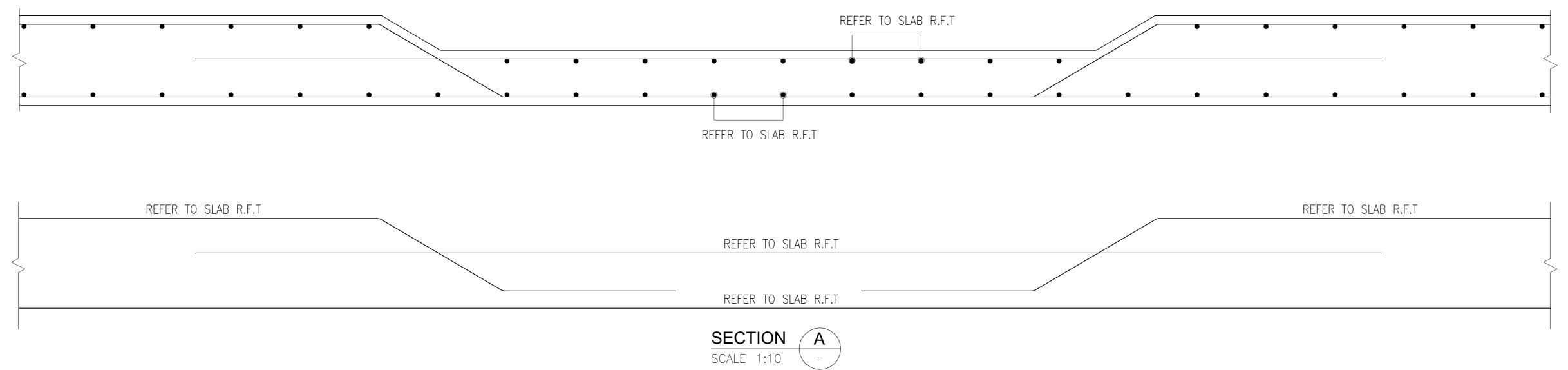


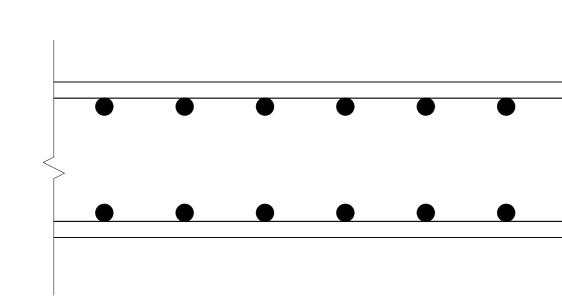


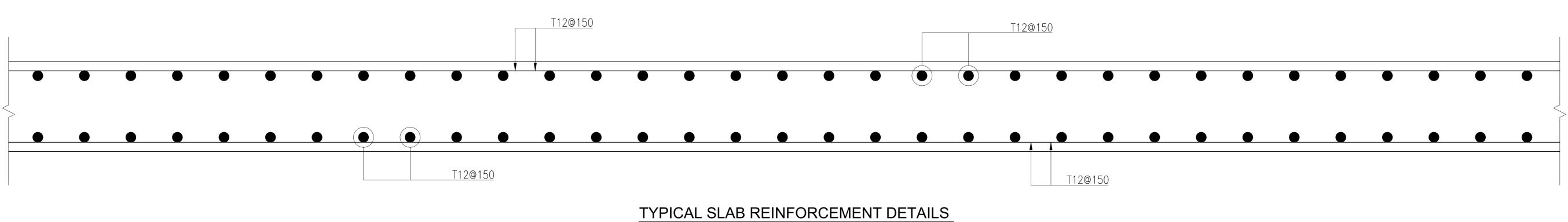
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	TABLE OF BEAMS											
		THE REINFORCEMENT										
		BOT	ТОМ		TOF	כ				STIRR	UPS	
BEAM TYPE	DIMENSION	@Mid-Span	@ Support	@Mid-Span	@Inte Sup		@External Support	SIDE BARS	Shape	@ Support	@ Support Length	
			В	C	D	D*	E	F		ST1		ST2
BEAM 1	250X700	3T25	3T25	2T18	2T18		2T25			T10@100	1500	T10@150
BEAM 2	250X600	2T25	2T25	2T18			2T25			T10@100	1500	T10@150
BEAM 3	250X900	4T25	4T25	5T18	5T18 5T25 5T25		5T25	3T12/SIDE		T12@100	1500	T10@100
BEAM 4	250X900	2T25	2T25	5T18	5T25	5T25	5T25	3T12/SIDE		T12@100	1500	T10@100

KEY PLAN	
 2- Design live loads varies of the building (100,30) 3- Concrete Blocks of spece 2200 Kg/cm3should be 4- Characteristic strength of with a minimum cement 5- Concrete cover is 1.5 cm 6- The flat slab thickness is 7- The flat slab thickness is 7- The flat slab reinforcement top mesh with the indic 8- The top additional reinforcement with spans unless other 10- Stirrups of beams which greater should be consisted in the spans exceeding 4.0 (0.5 cm per meters of sp. 13-For cantilevers , a camber should be applied . 14- The lower additional reinforcement is the span in the span in the span in the span in the span is the span in the span in the span is the span in the span in the span is the span in the span in the span is the span in the span in the span is the span is the span is the span is the span in the span is the sp	of concrete is 300 Kg/cm2 t content of 350 Kg/m3 . m for slabs & 2.5 cm for beams . is to be taken as indicated in plans nent is T12@150 lower mesh and cated additional reinforcement . forcement bars are concentric herwise specified . inforcement bars are concentric twise specified . ch has width equal to 40 cm or lists of four branches . nt surrounding openings are 3T25
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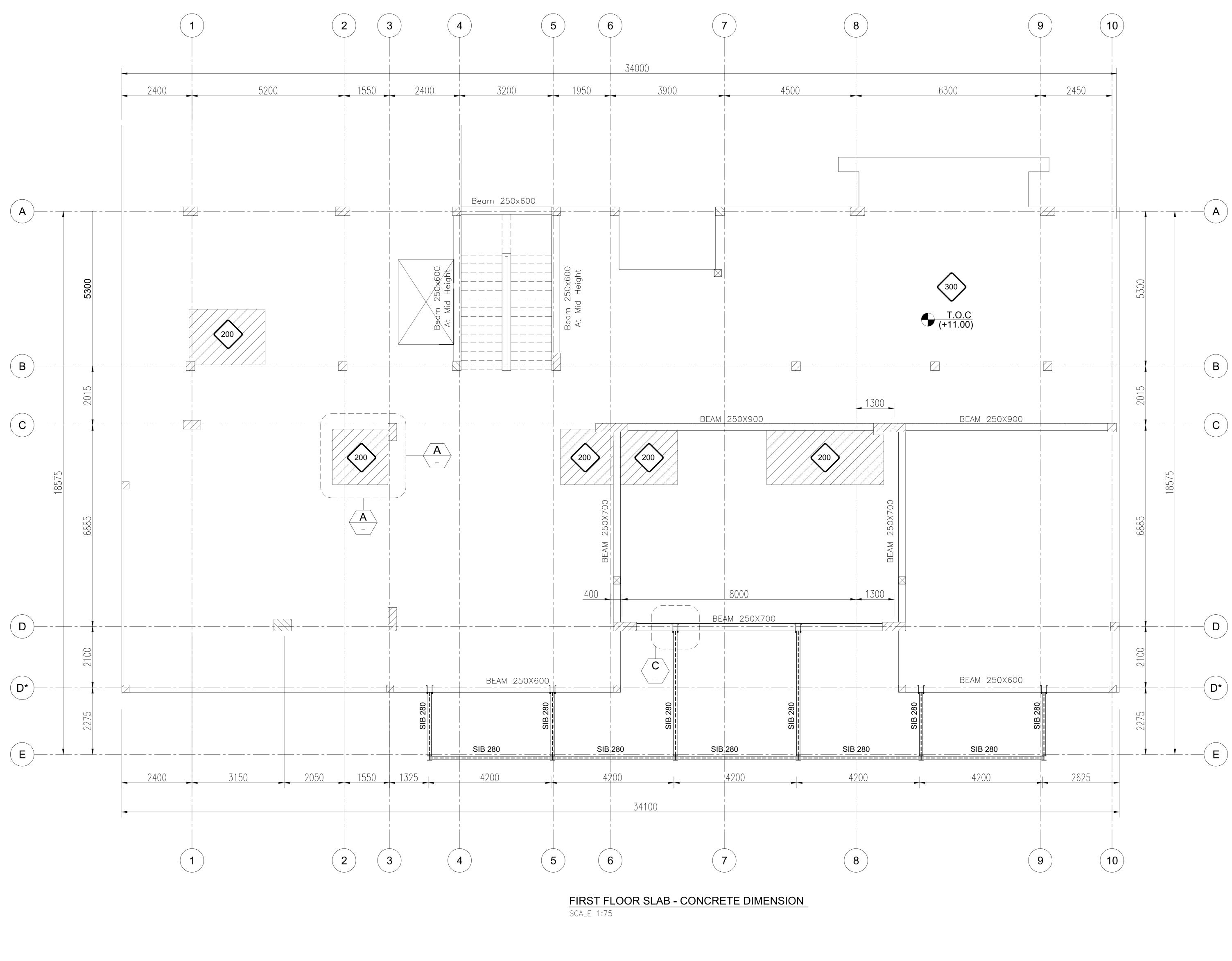


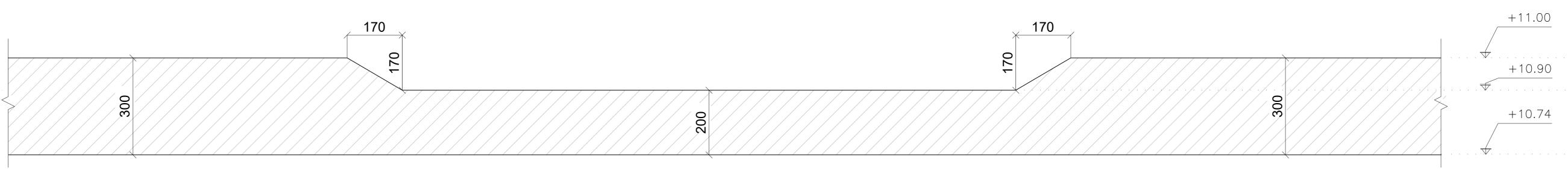


SCALE 1:10

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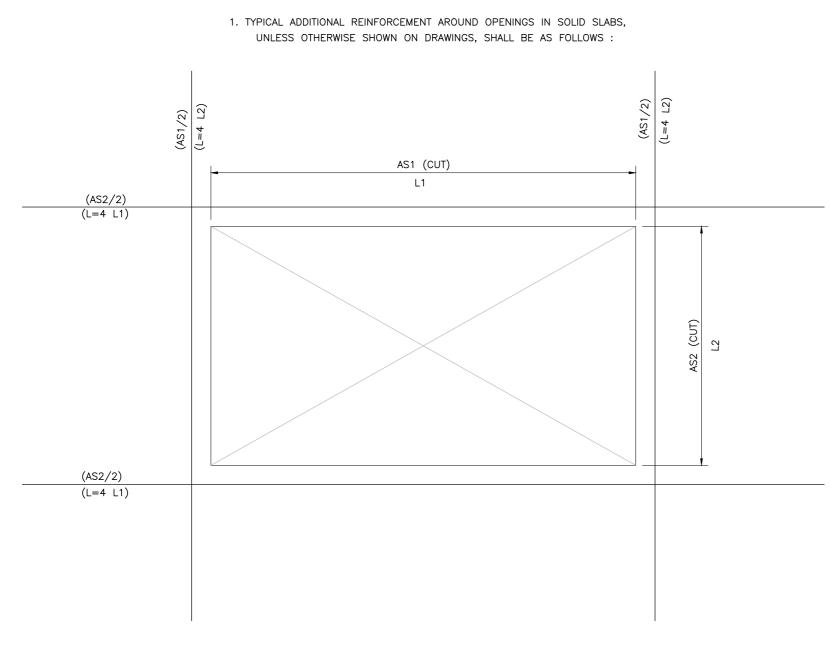
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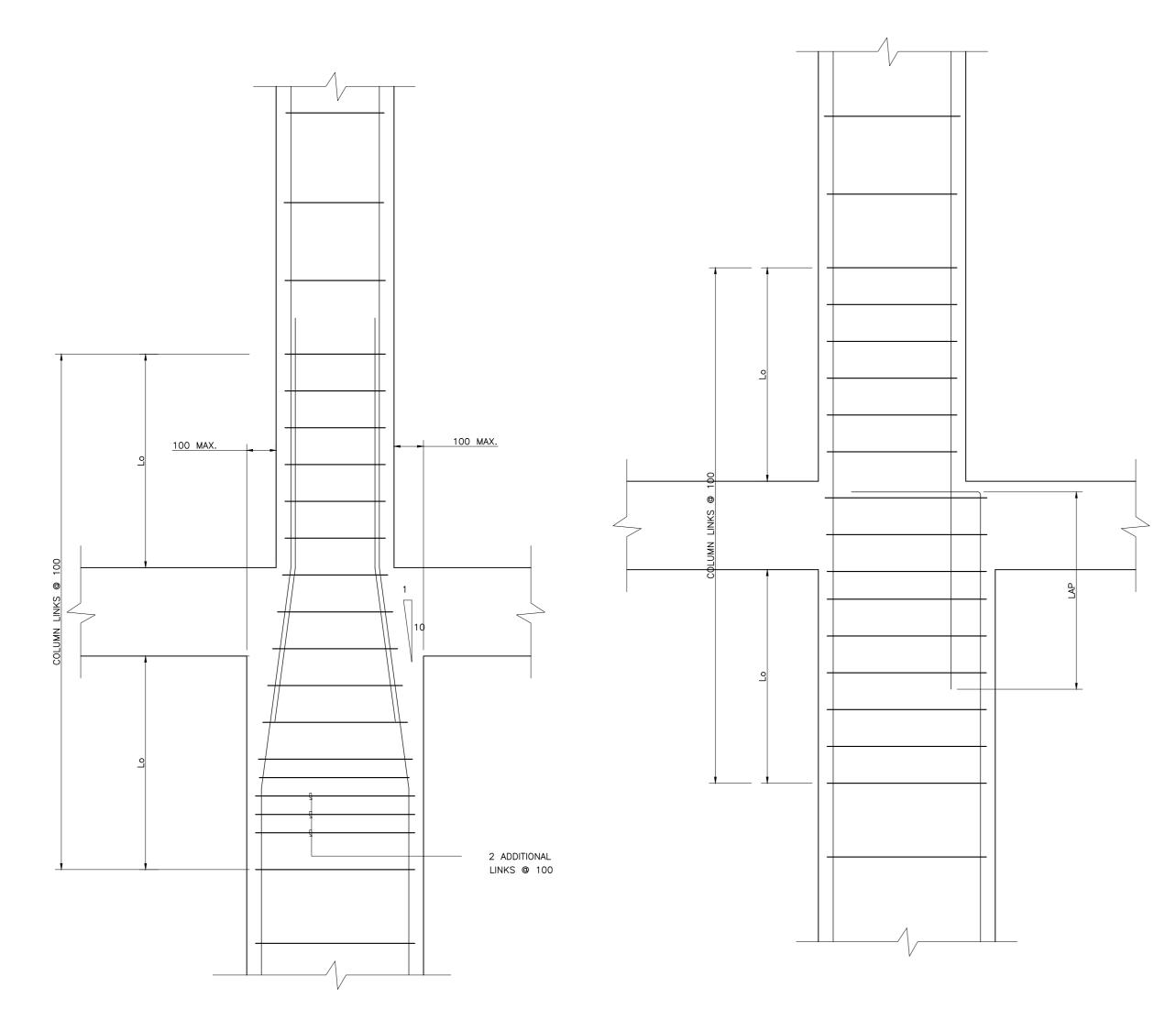


SECTION A SCALE 1:10 -

KEY PLAN			
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8- The top addition with columns	unless otherv	vise spec	ified .
with spans unl	ess otherwise	e specifie	
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11-Additional reir (top & bottom		urroundir	ng openings are 3T25
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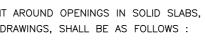




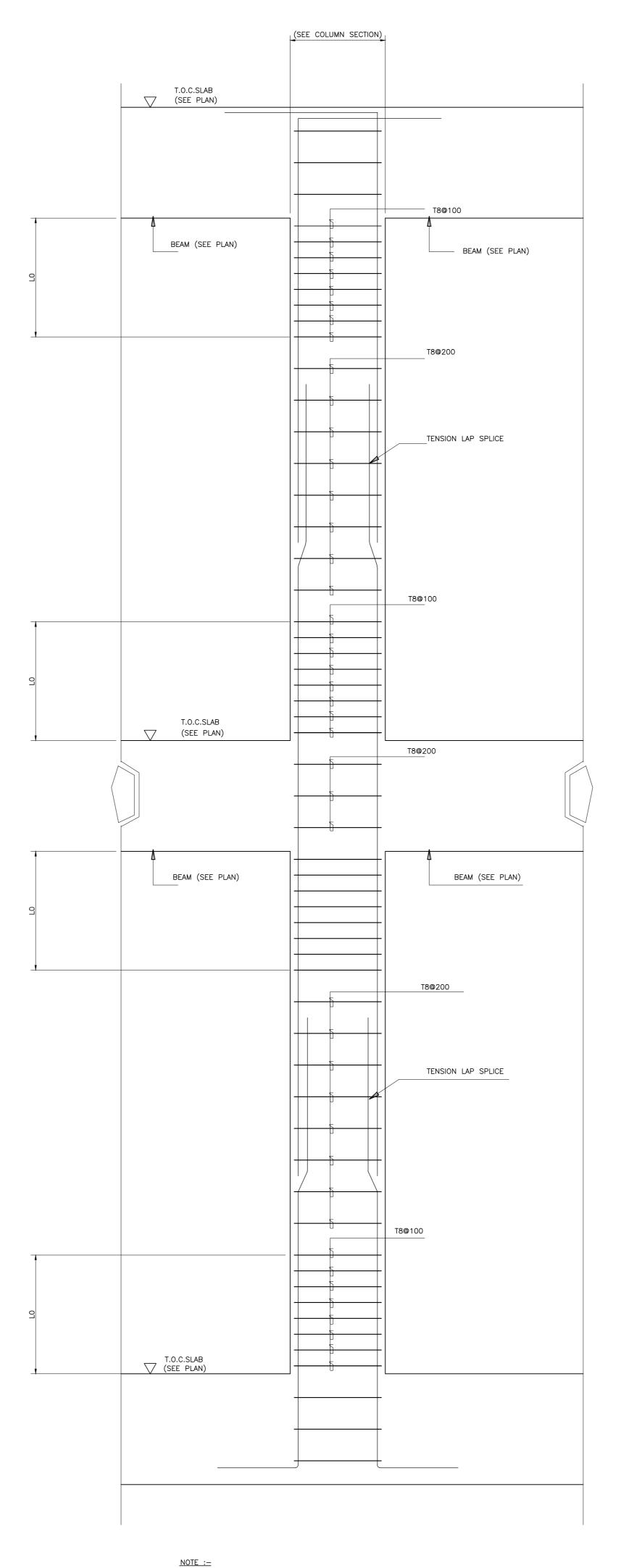


 TYPICAL LAB SPLICE DETAIL OF COLUMNS
 2

 SCALE 1:50







L0 = LARGEST COLUMN DIMENSION OF COLUMN CROSS SECTION BUT NOT LESS THAN 1/6 CLEAR LENGTH OR 500 mm.

 TYPICAL COLUMNS LAP SPLICE
 3

 SCALE
 1:50

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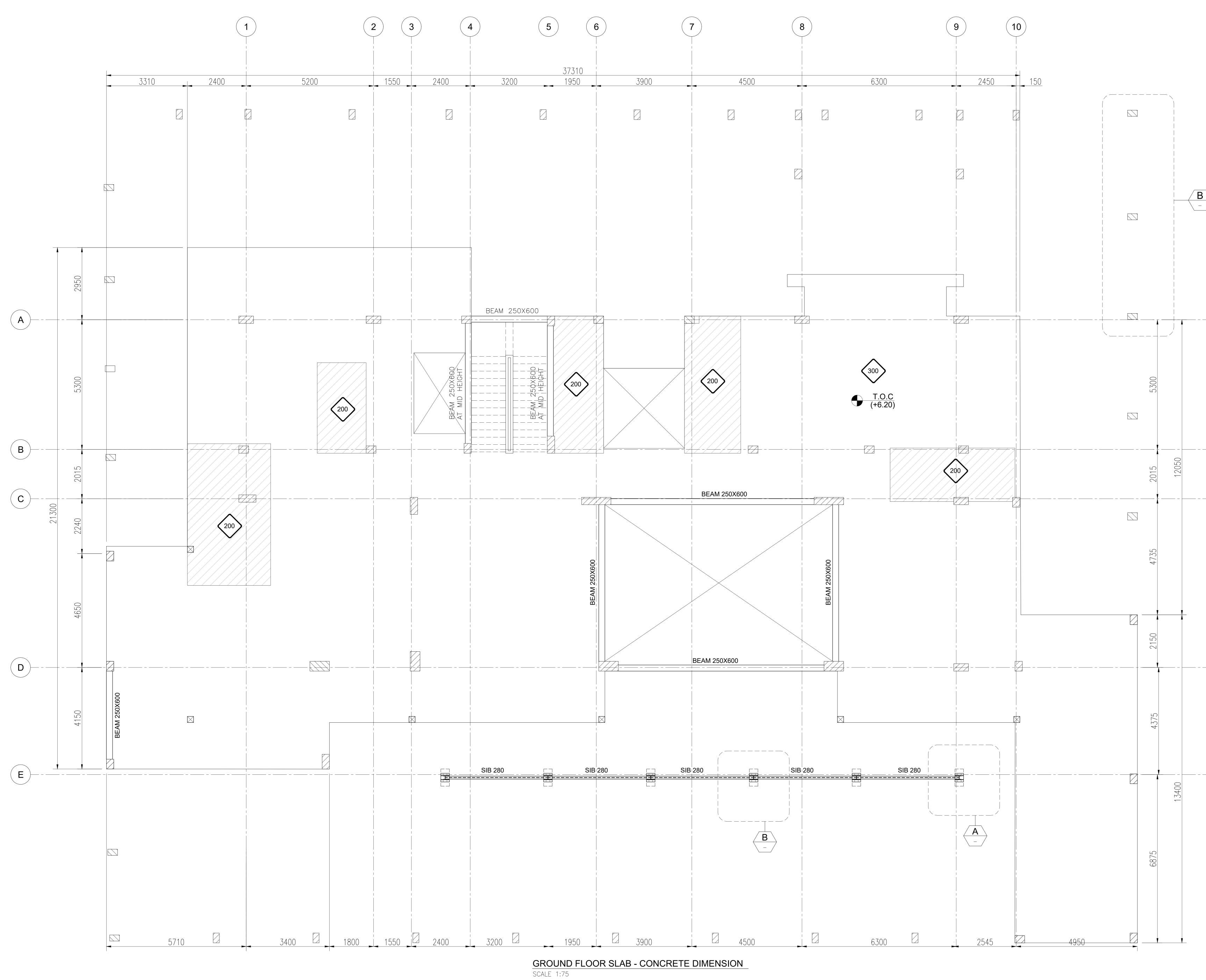
General Notes

7 - Steel which is used in steel section is 3.7. 11 - compression splice is 50 Diameter Length. 12 - tension splice is 60 Diameter Length.

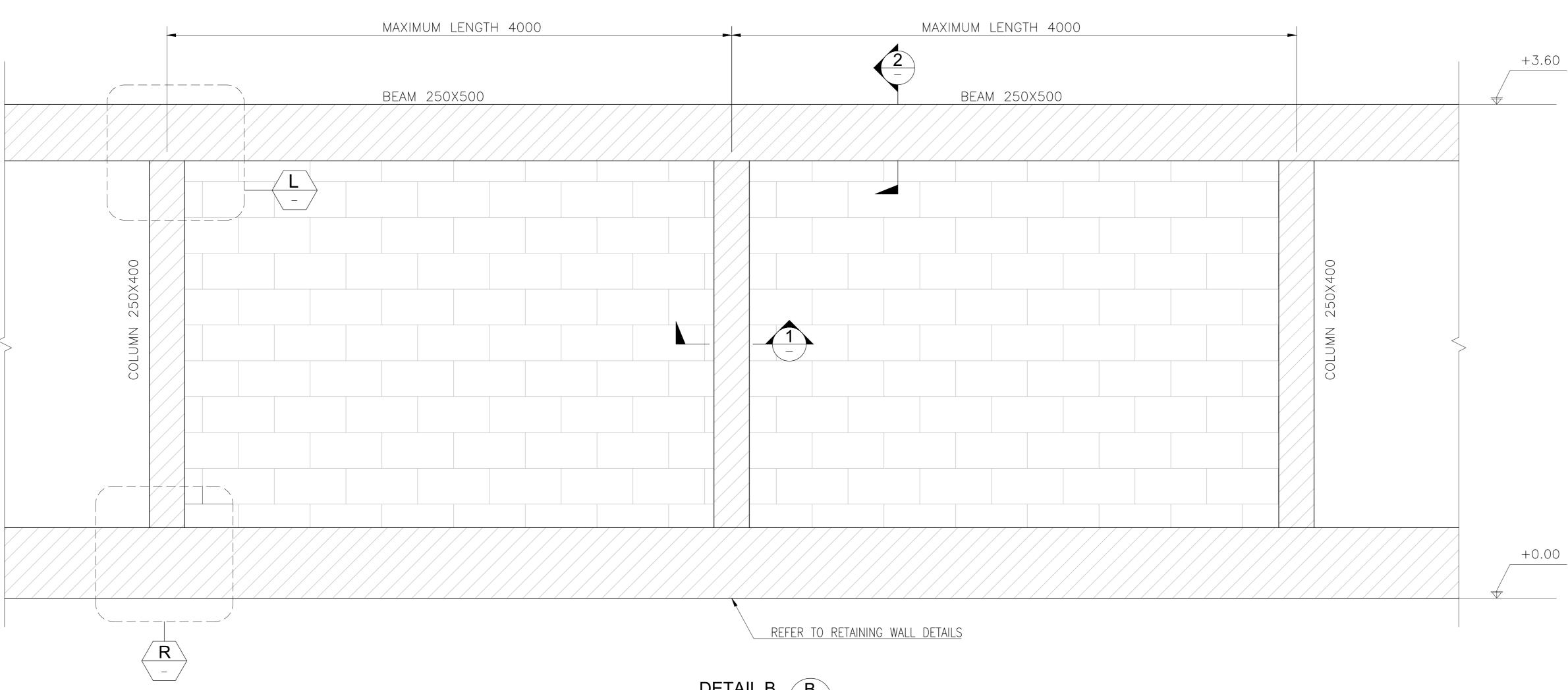
1 - All dimension in the drawing is with millimeter unless it is given. 2 - The Concrete which is used must have Fc* not less Than 30 mpa. 3 - The Reinforcement Bars must have yield Strength not less than 420 mpa. 4 - Levels must be Checked with the aricultural package. 5 - The Soil Specific weight behind the retaining wall must not be bigger than 18 kn/m^3. 6 - Bolts which is used in steel connection have strength 8.8 and it is high friction bolt.

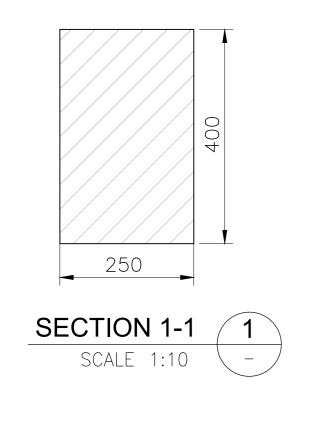
8 - Levels of tanks, Pool & Retaining walls must be as clarified in structure drawings. 9 - The Building is Designed according to SBC code. 10 - Lab Splice & Development length Must be according to SBC code.

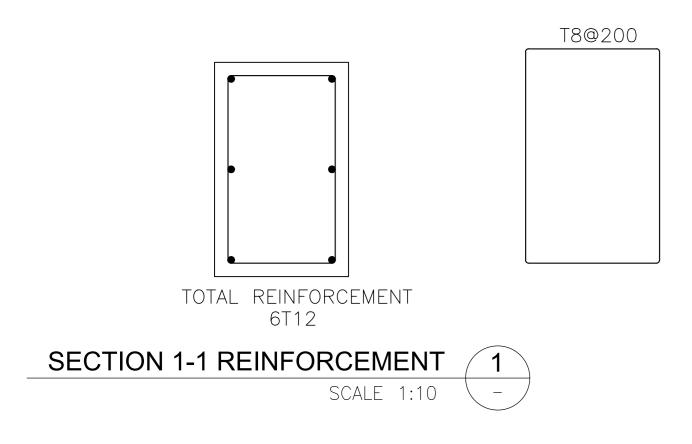
	KEY PLAN	
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	Main Consultant	
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	DRAWING NAME	ENERAL NOTES
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	SCALE :	PLOT SIZE :ISO A0
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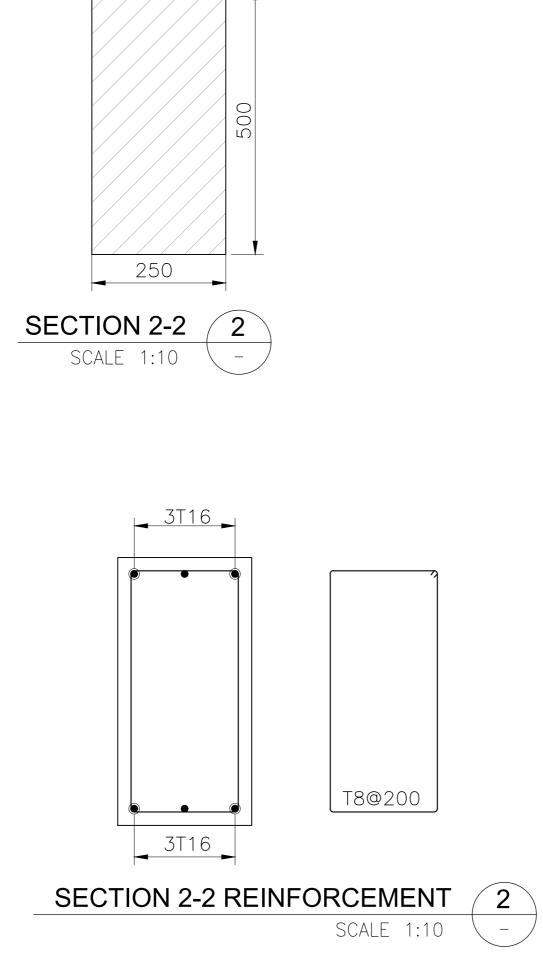
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B	 13-For cantilevers , a camber of should be applied . 14- The lower additional reinfor while The upper a are denoted by 15-All openings should be surroupper & Lower 16- The hatched areas' level are rest of the slab . 	orcement bars are denoted by additional reinforcement bars ounded by Dowels 3 T 25
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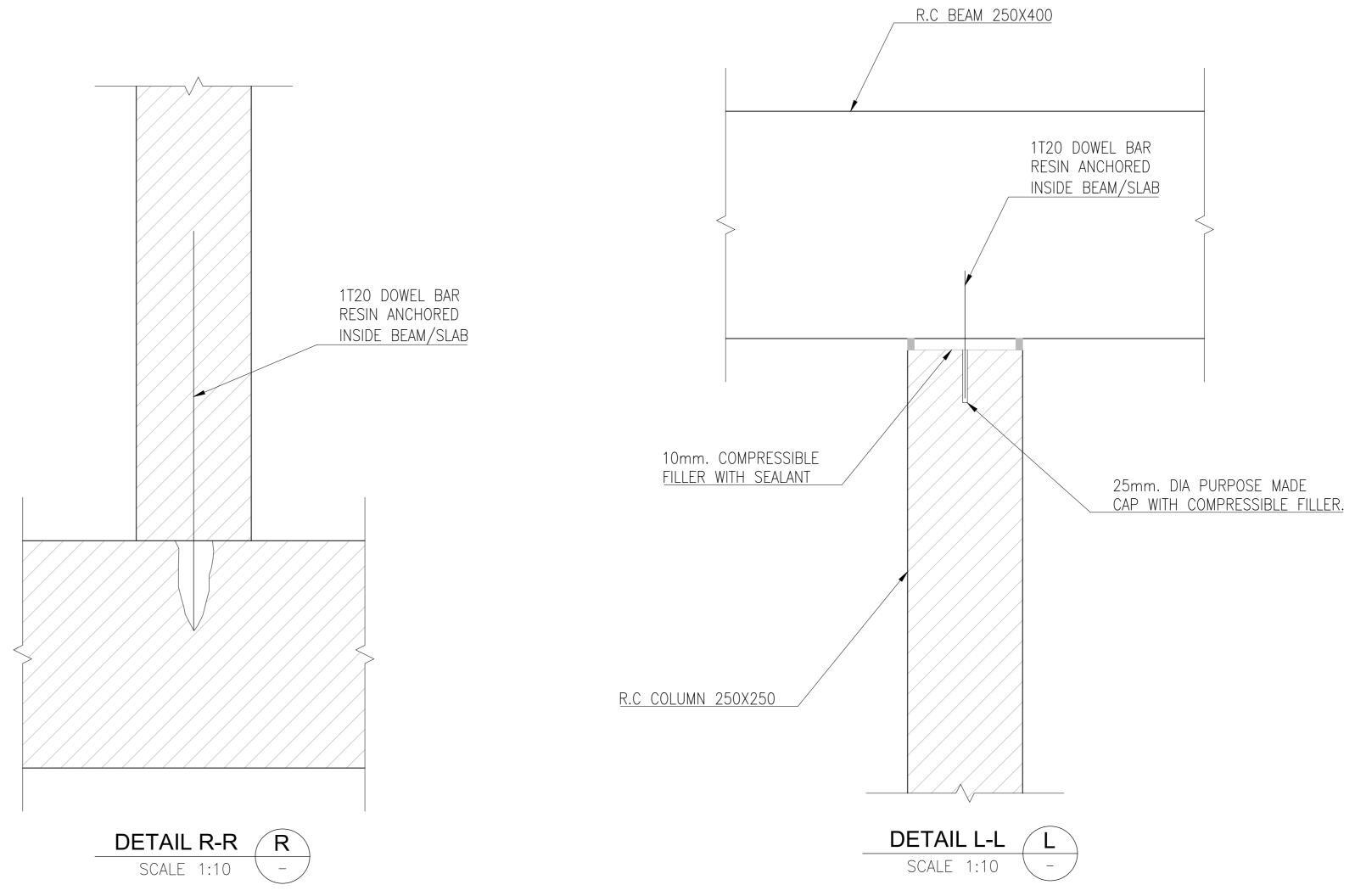




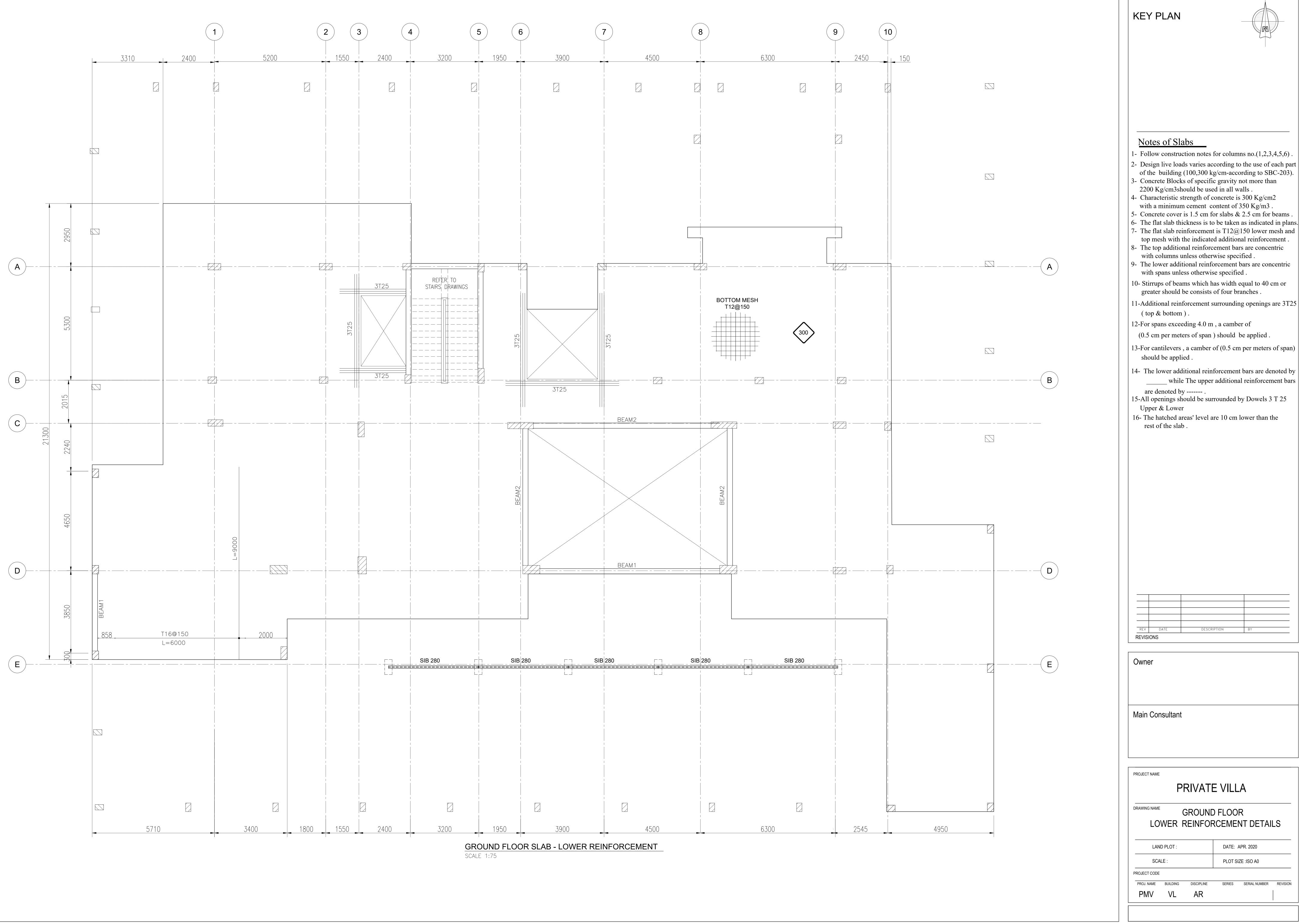


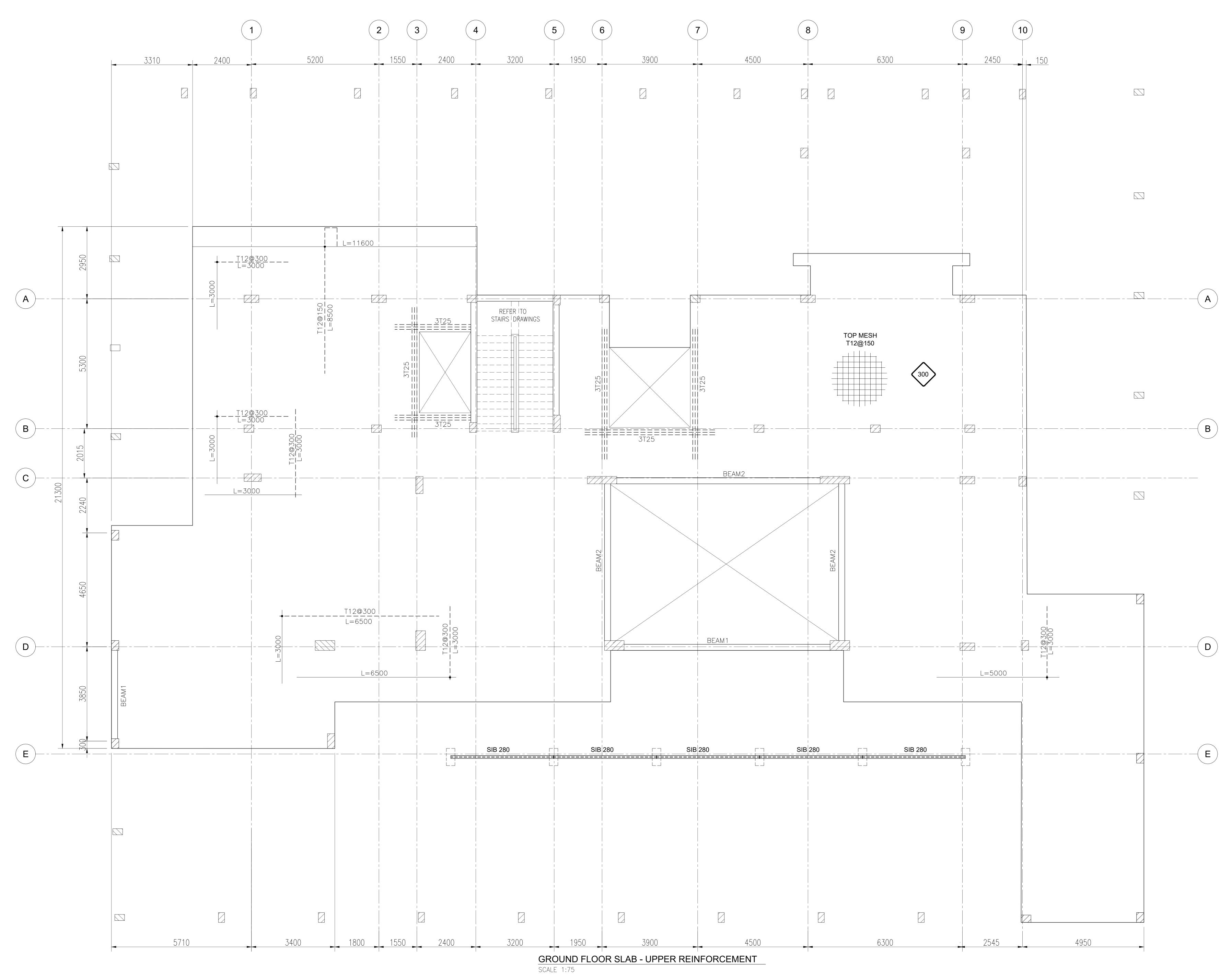






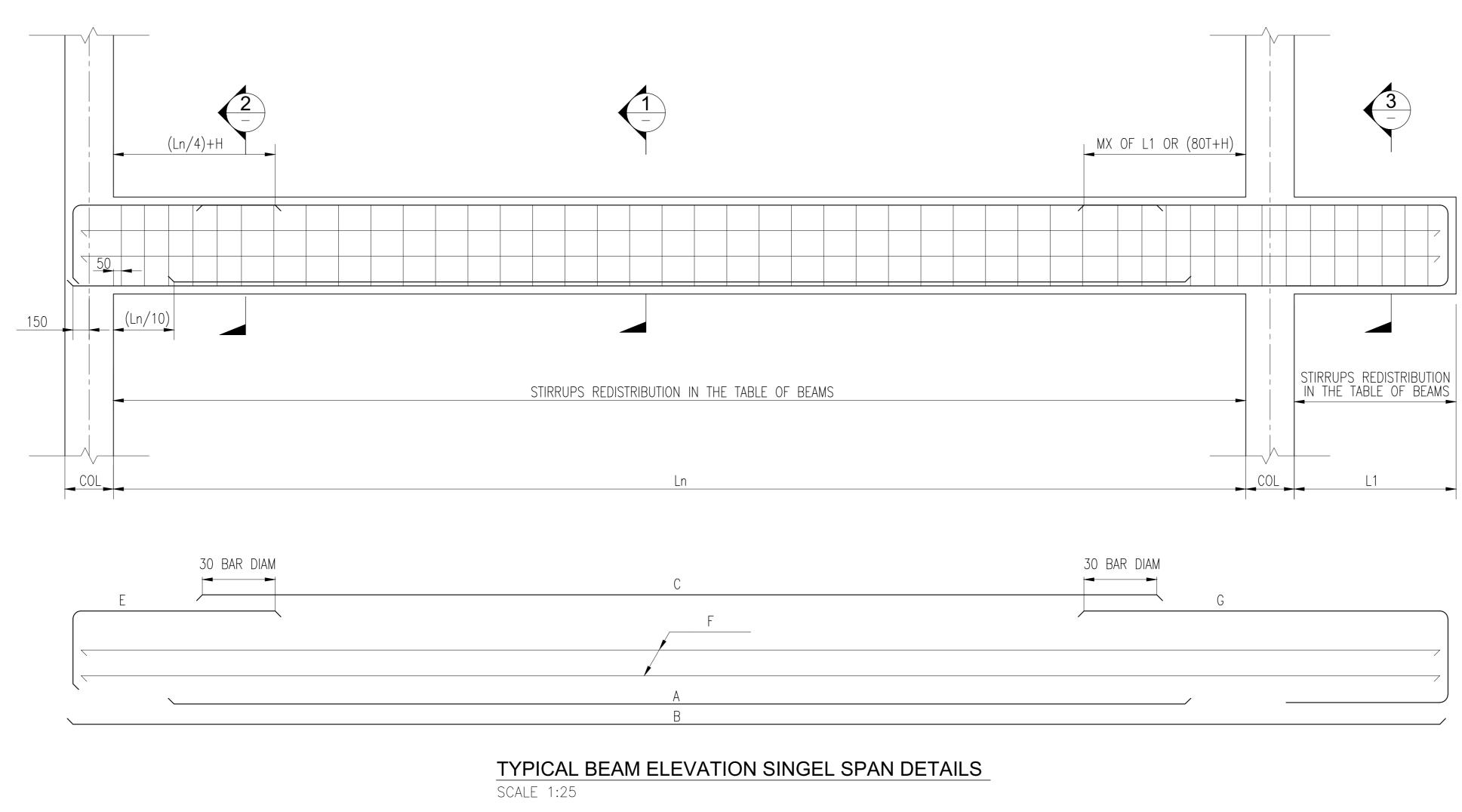
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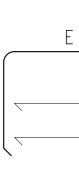


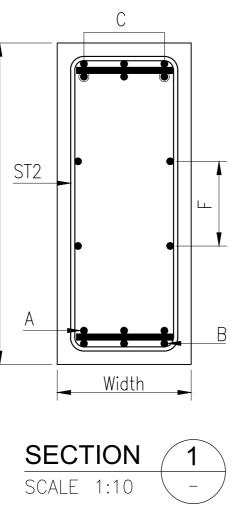


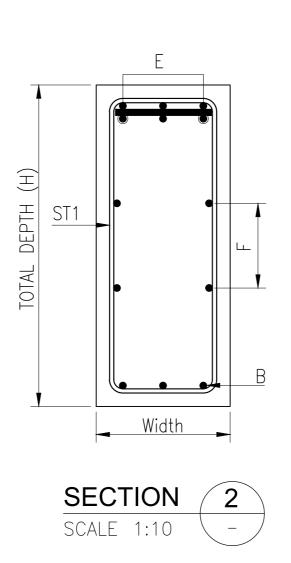
KEY PLAN Notes of Slabs 1- Follow construction notes for columns no.(1,2,3,4,5,6). 2- Design live loads varies according to the use of each part of the building (100,300 kg/cm-according to SBC-203). 3- Concrete Blocks of specific gravity not more than 2200 Kg/cm3should be used in all walls . 4- Characteristic strength of concrete is 300 Kg/cm2 with a minimum cement content of 350 Kg/m3. 5- Concrete cover is 1.5 cm for slabs & 2.5 cm for beams. 6- The flat slab thickness is to be taken as indicated in plans. 7- The flat slab reinforcement is T12@150 lower mesh and top mesh with the indicated additional reinforcement. 8- The top additional reinforcement bars are concentric with columns unless otherwise specified. 9- The lower additional reinforcement bars are concentric with spans unless otherwise specified. 10- Stirrups of beams which has width equal to 40 cm or greater should be consists of four branches. 11-Additional reinforcement surrounding openings are 3T25 (top & bottom). 12-For spans exceeding 4.0 m, a camber of (0.5 cm per meters of span) should be applied. 13-For cantilevers , a camber of (0.5 cm per meters of span) should be applied . 14- The lower additional reinforcement bars are denoted by —(**B**) _____ while The upper additional reinforcement bars are denoted by ----- . 15-All openings should be surrounded by Dowels 3 T 25 Upper & Lower 16- The hatched areas' level are 10 cm lower than the rest of the slab. (D) _____ ____ REV DATE DESCRIPTION REVISIONS —(E) Owner Main Consultant PROJECT NAME PRIVATE VILLA DRAWING NAME GROUND FLOOR UPPER REINFORCEMENT DETAILS DATE: APR. 2020 LAND PLOT : SCALE : PLOT SIZE : ISO A0 PROJECT CODE PROJ. NAME BUILDING DISCIPLINE SERIES SERIAL NUMBER REVISION PMV VL AR

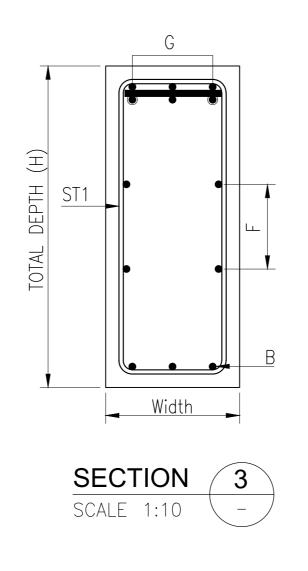
	TABLE OF BEAMS												
			THE REINFORCEMENT										
BEAM TYPE	DIMENSION	BOT	ТОМ		TOF)					STIRRI	JPS	
		@Mid-Span @		@ Support @Mid-Span		ernal oort	@External @cantl Support Support	@cantliver Support	SIDE BARS	Shape	@ Support	Length	@Mid-Span
		A	В	C	D	D*	E	G	F		ST1		ST2
BEAM 1	250X600	2T18	2T18	3T18			6T18				T8@200		T8@200
BEAM 2	250X600	3T25	3T25	4T18			4T18				T10@100	1500	T10@150



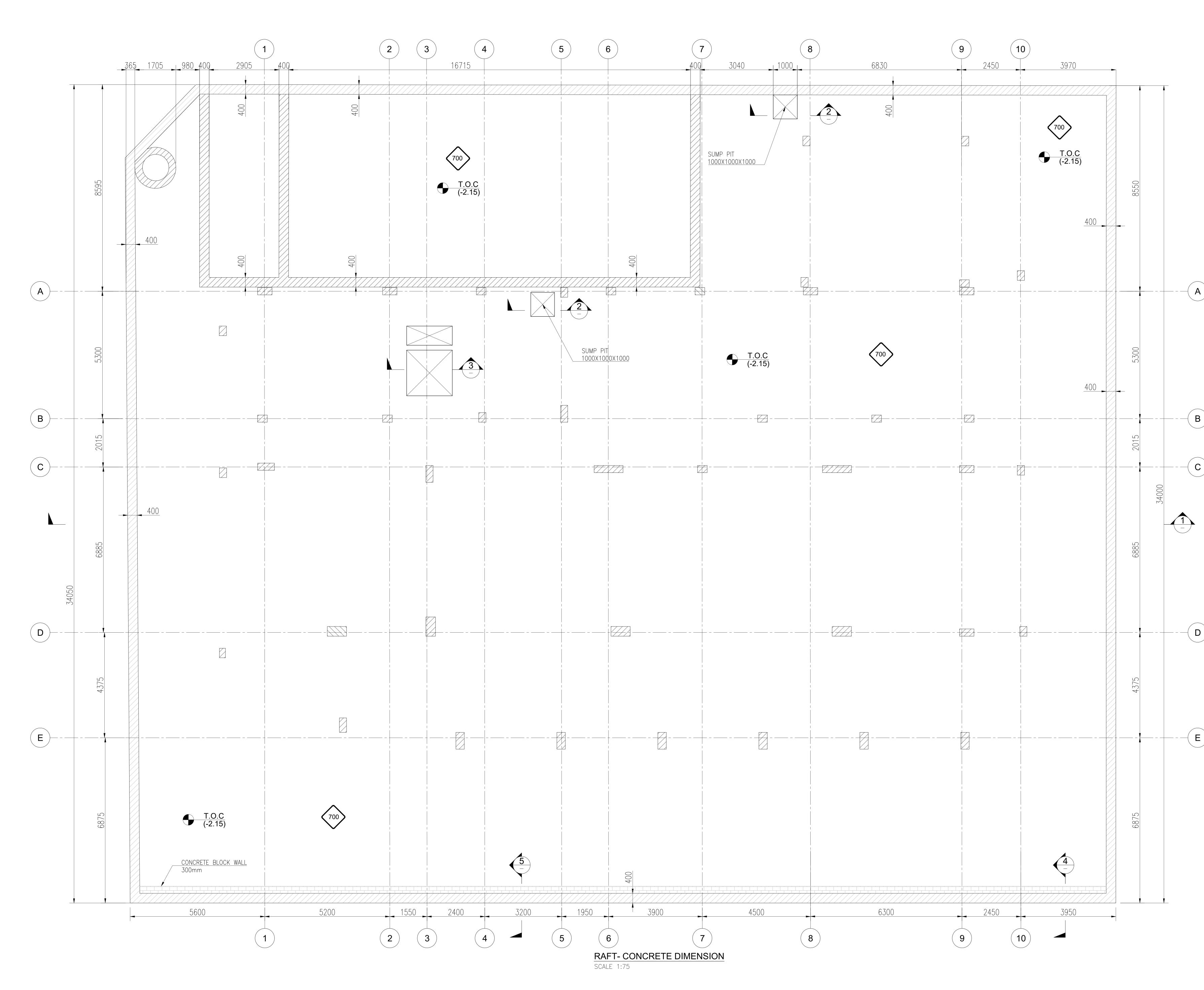






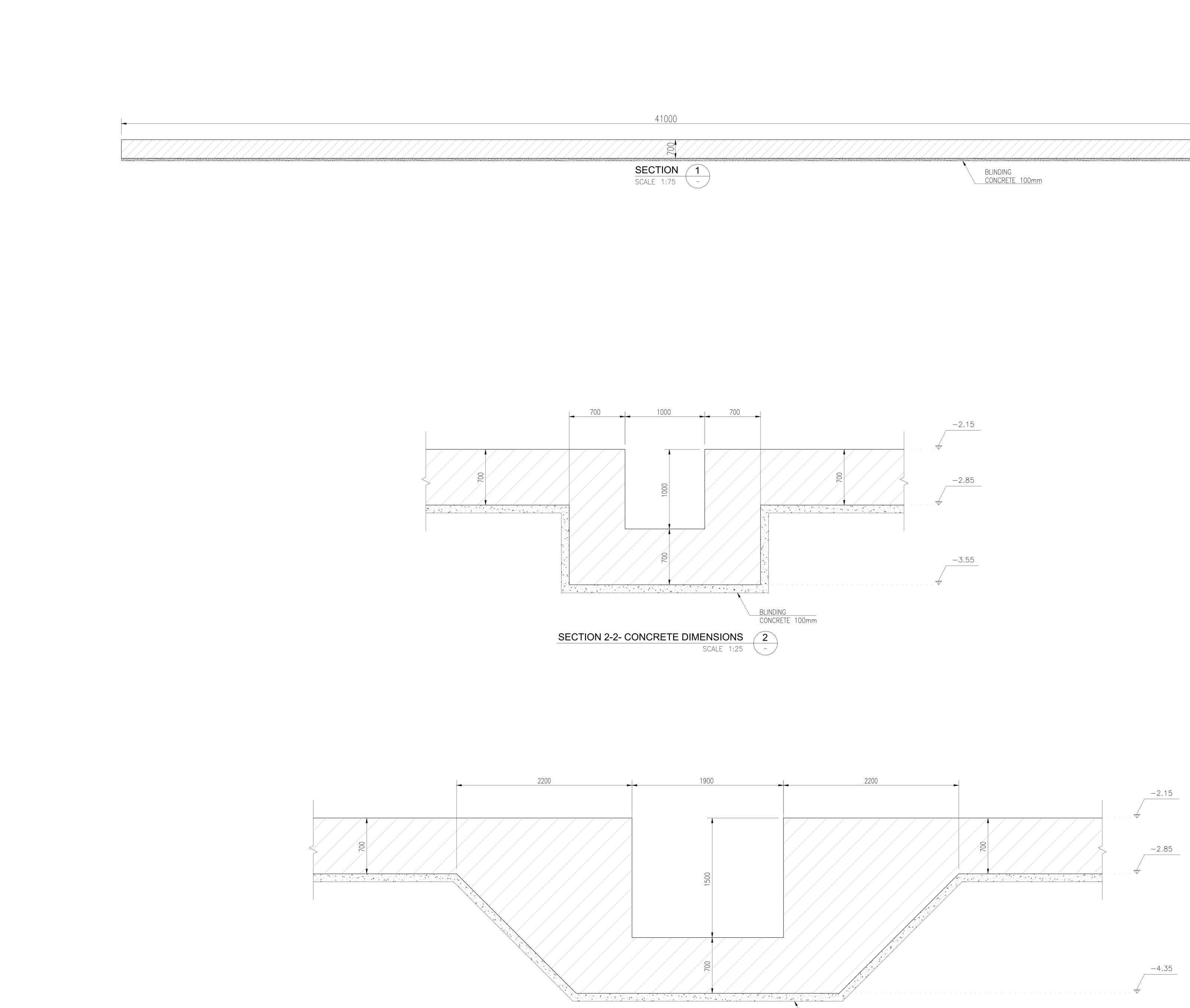


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 7- Concrete mix for reinforstrength not less than a content of 350 kg/m.c. 8- Concrete manufacturing that concrete is dense, 9- The minimum concrete 	300 kg/cm.sq.with min g should be done to th with low permeability	nimum cement e specifications so and good surface
 10- Foundations should be bituminious based coa 11- Columns reinforcement the top surface of reining is greater . 	ting material. nt first splice extend 1	.0 m or 65 above
REVISIONS	DESCRIPTION	BY
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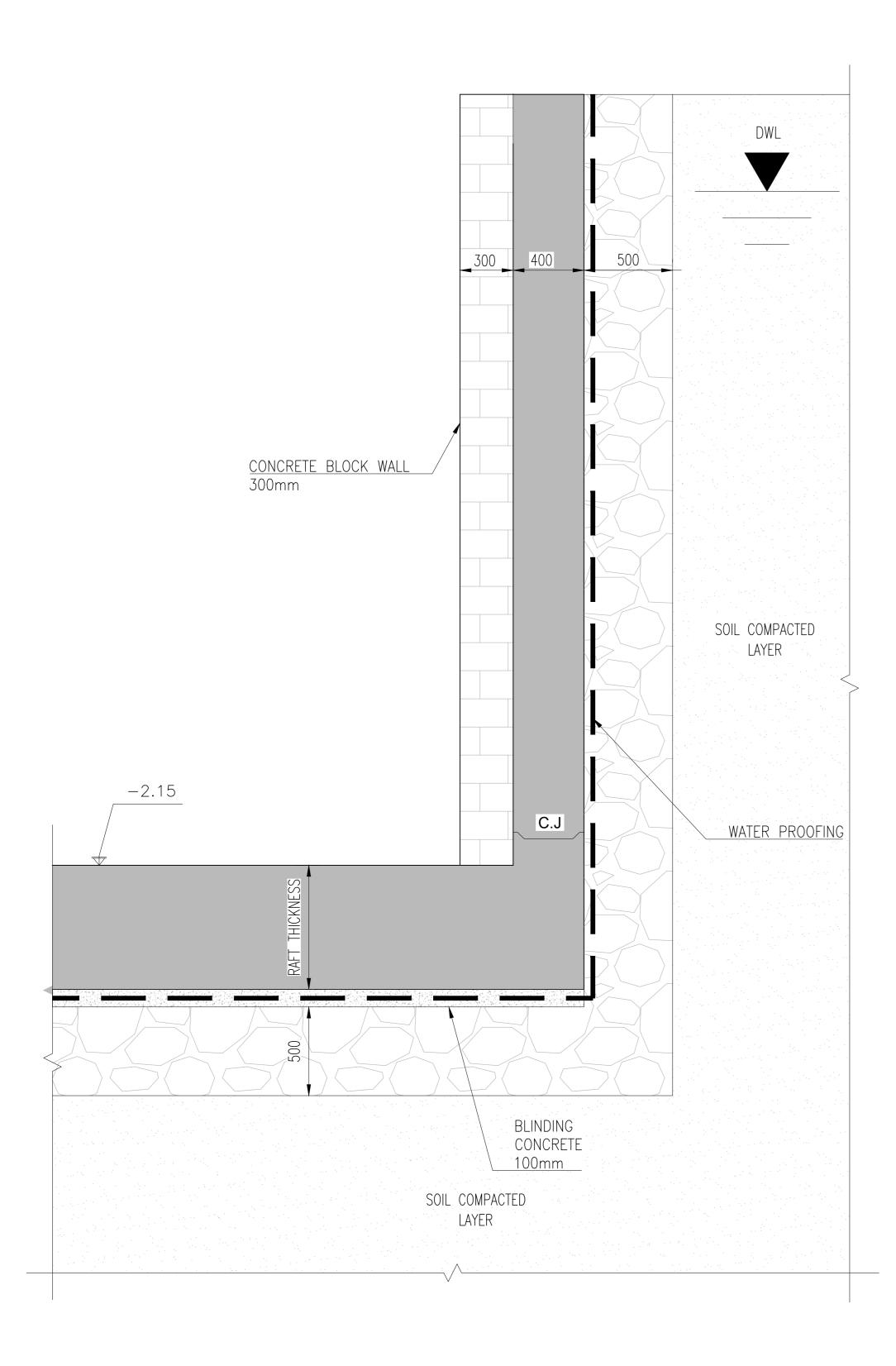
SECTION 3-3 - CONCRETE DIMENSIONS 3

SCALE 1:25 -

	-2.15
	-2.85
BLINDING CONCRETE 100mm	



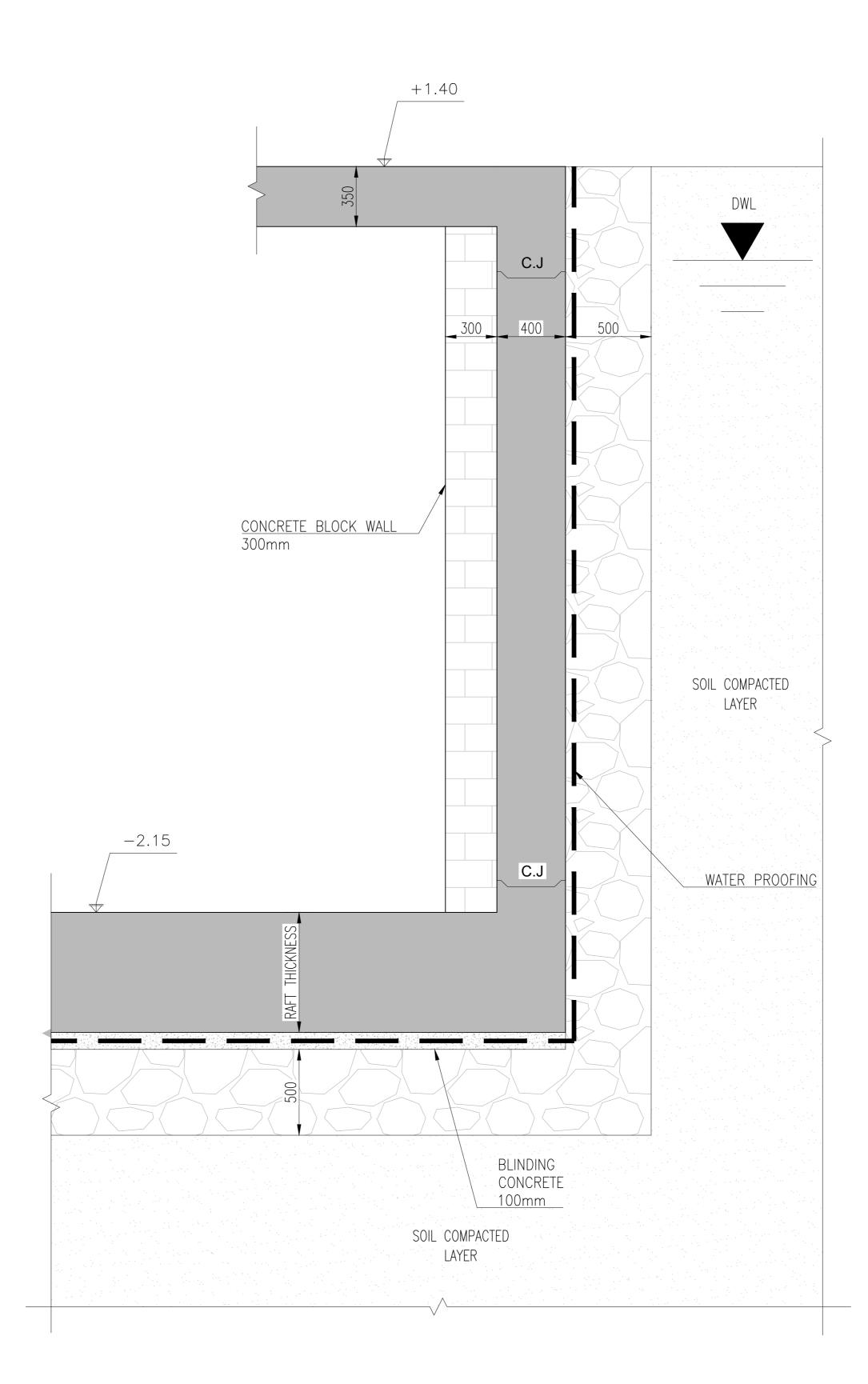
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SHEET 2/3 LAND PLOT : DATE: APR. 2020 SCALE : PLOT SIZE : ISO A0	
LAND PLOT : DATE: APR. 2020 SCALE : PLOT SIZE : ISO A0	
SCALE : PLOT SIZE :ISO A0	
PROJECT CODE	
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 RETAINING WALL - CONCRETE DIMENSION AT BULDING AREA

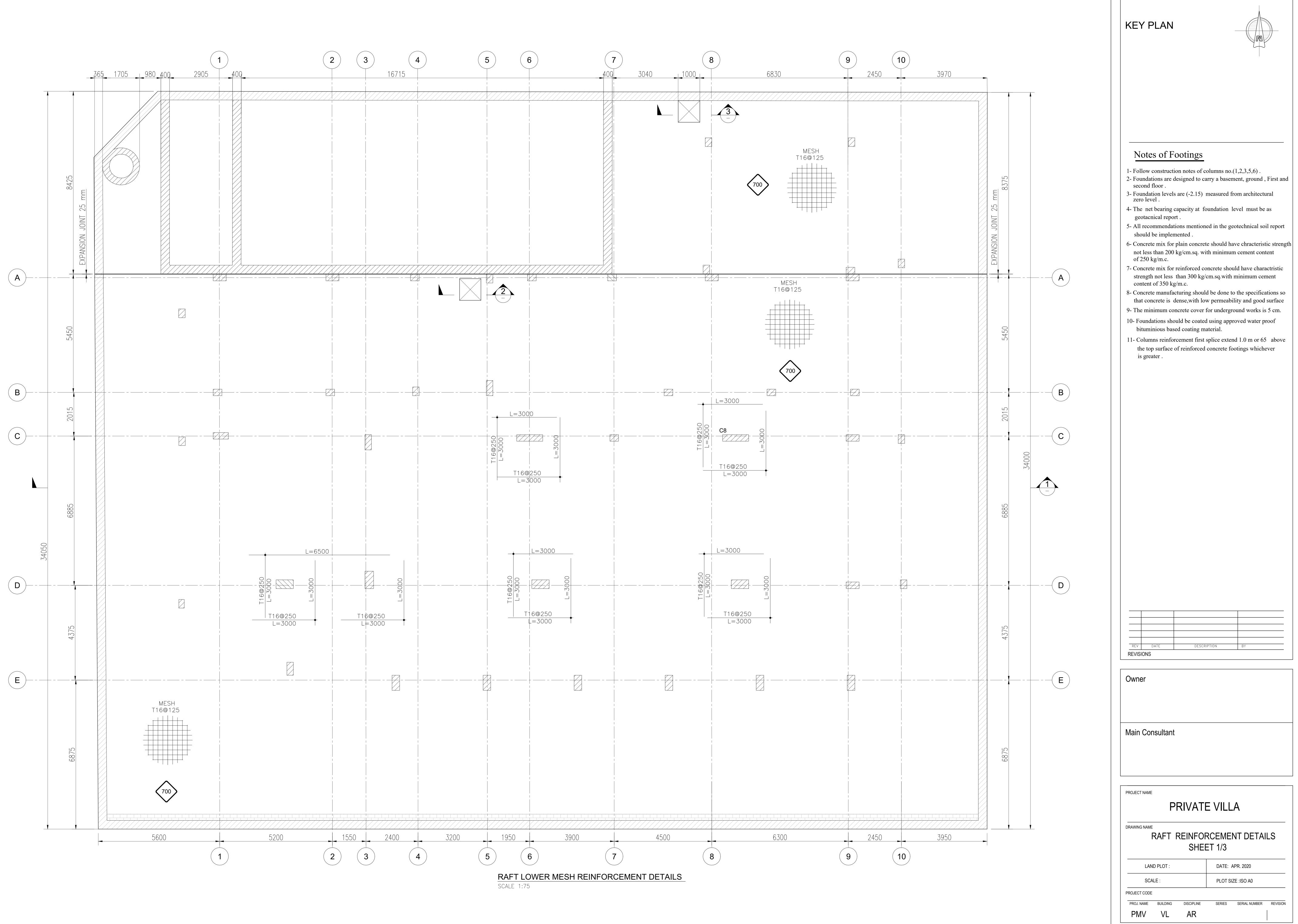
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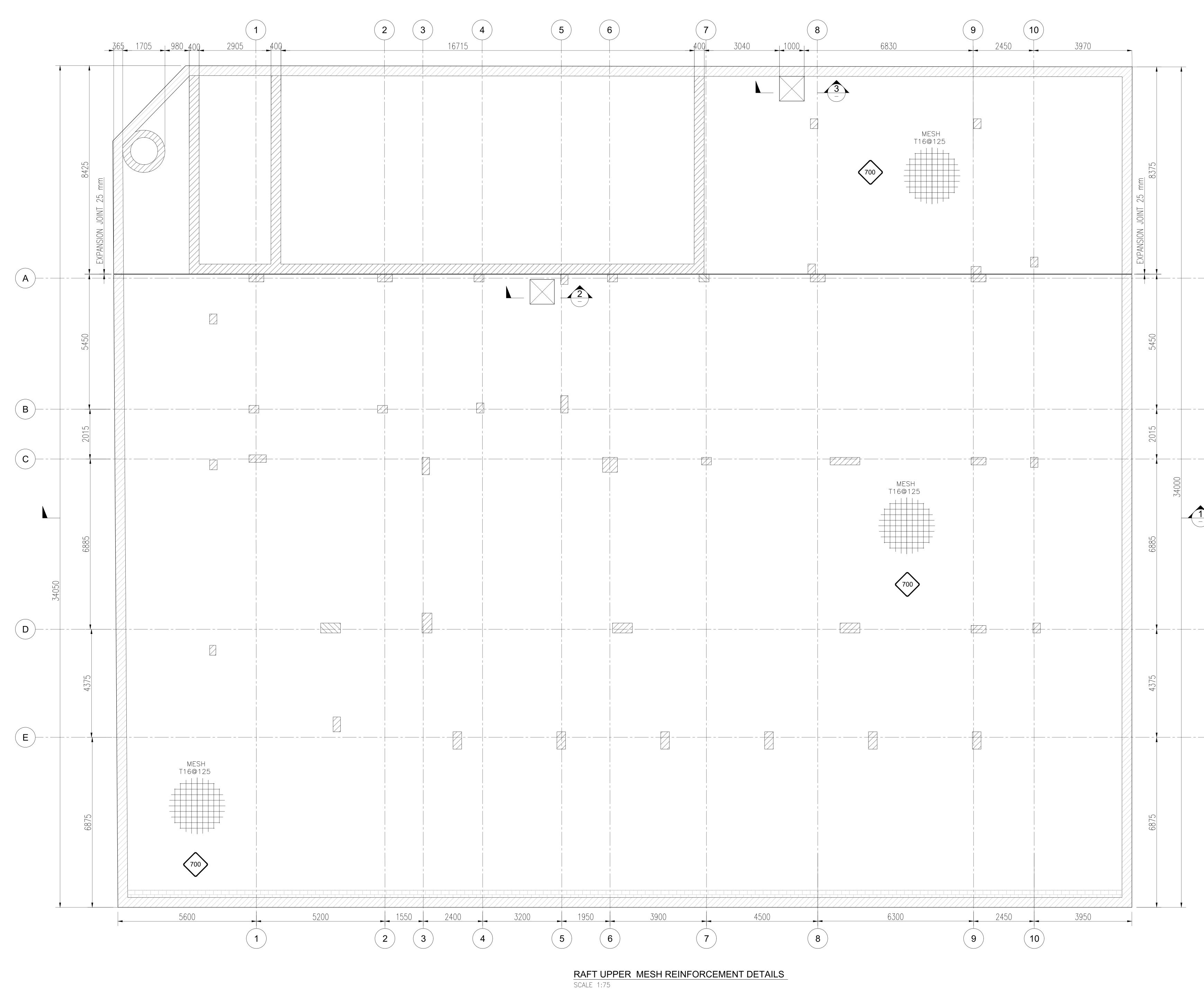






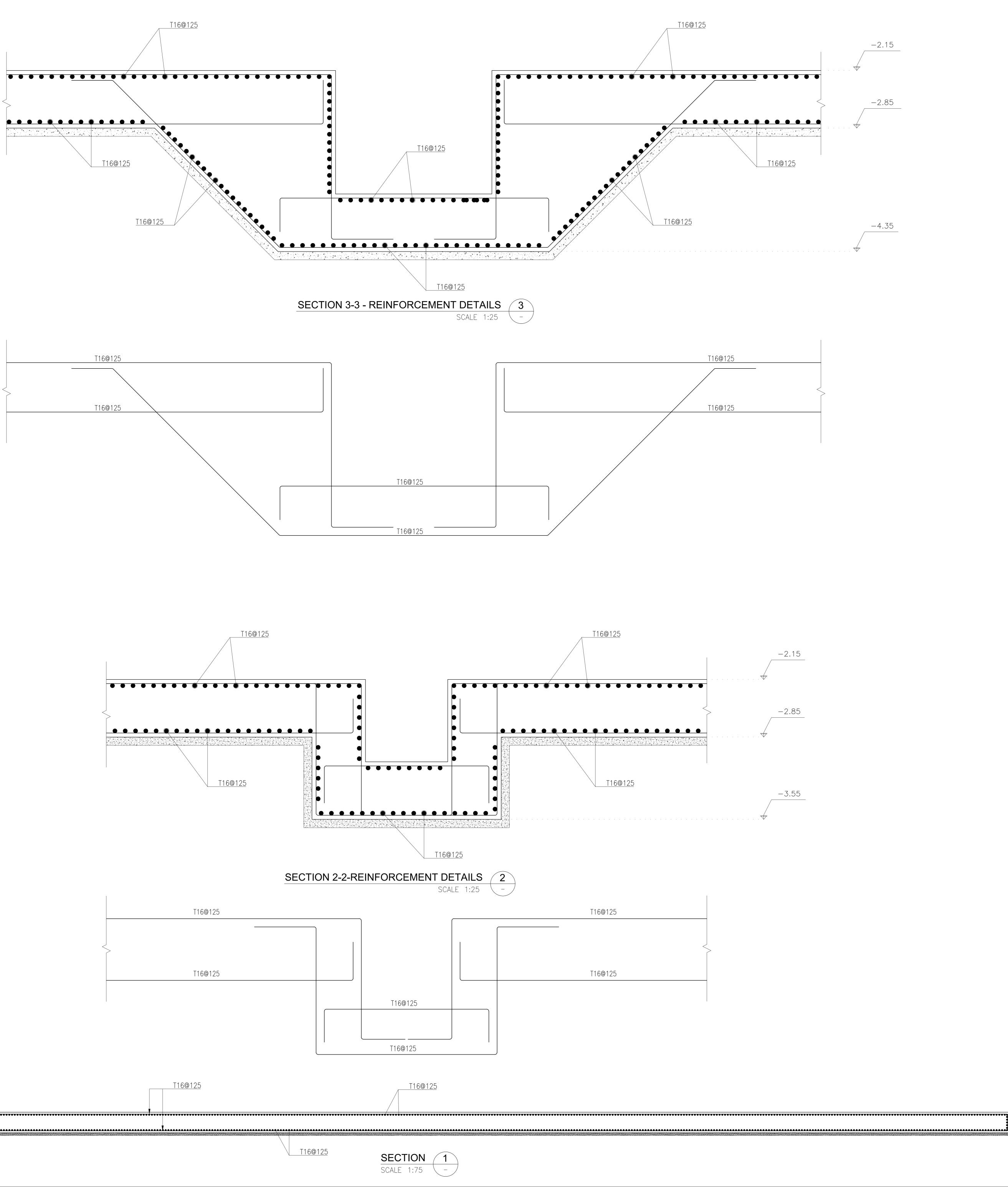
			45
Notes of Fo	ootings		
 Follow construction Foundations are descond floor . 			
3- Foundation levels zero level .4- The net bearing c			
geotacnical repor 5- All recommendati	t.		
should be implem 6- Concrete mix for j	plain concrete sł		-
not less than 200 l of 250 kg/m.c. 7- Concrete mix for r			
strength not less content of 350 kg.	/m.c.		
8- Concrete manufac that concrete is d9- The minimum cor	ense, with low p	ermeabilit	y and good surface
9- The minimum cor10- Foundations showbituminious base	uld be coated us	ing approv	
11- Columns reinfor the top surface of	cement first spli	ce extend	
is greater.		1001	
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REVISIONS	DESCRIPTIO	N	BY
Owner	DESCRIPTIO	N	BY
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Owner	DESCRIPTIO		BY
REVISIONS Owner Main Consultant	DESCRIPTIO		BY
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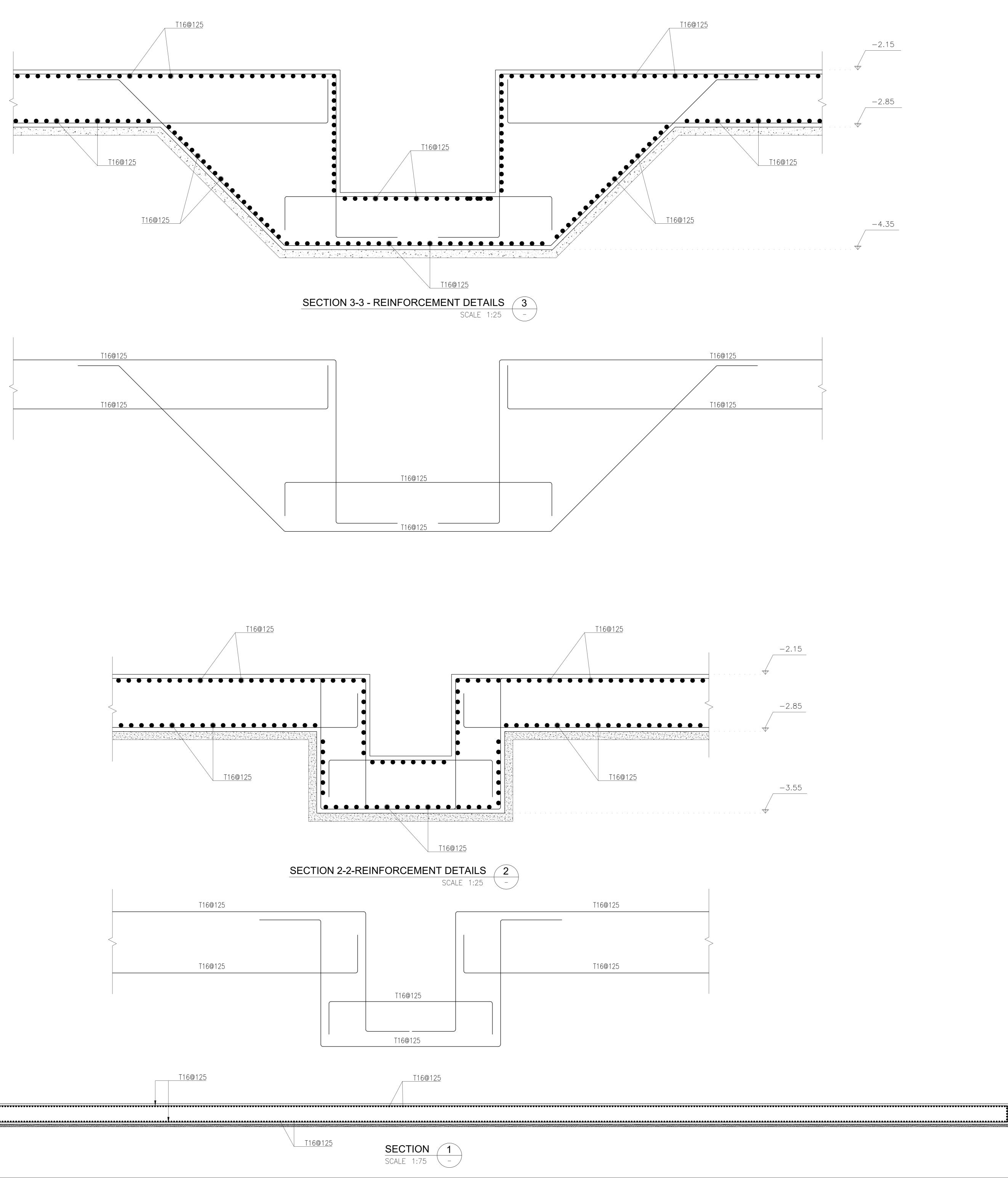


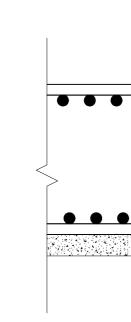


	KEY PLAN	
	 Notes of Footings 1- Follow construction notes of columns 2- Foundations are designed to carry a basecond floor. 3- Foundation levels are (-2.15) measure zero level. 4- The net bearing capacity at foundation geotacnical report. 5- All recommendations mentioned in the should be implemented. 6- Concrete mix for plain concrete should not less than 200 kg/cm.sq. with minin of 250 kg/m.c. 7- Concrete mix for reinforced concrete strength not less than 300 kg/cm.sq.w content of 350 kg/m.c. 8- Concrete manufacturing should be dom that concrete is dense, with low permeted in the should be coated using a bituminious based coating material. 11- Columns reinforcement first splice exits is greater . 	sement, ground , First and d from architectural n level must be as e geotechnical soil report d have chracteristic strength num cement content should have charactristic ith minimum cement he to the specifications so eability and good surface rground works is 5 cm. opproved water proof stend 1.0 m or 65 above
B		
- C		
		BY
E	Owner	
	Main Consultant	
	PROJECT NAME PRIVATE VIL	_LA
	DRAWING NAME RAFT REINFORCEM SHEET 2/3	
		E: APR. 2020 T SIZE :ISO A0

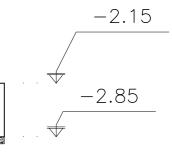
PMV VL AR



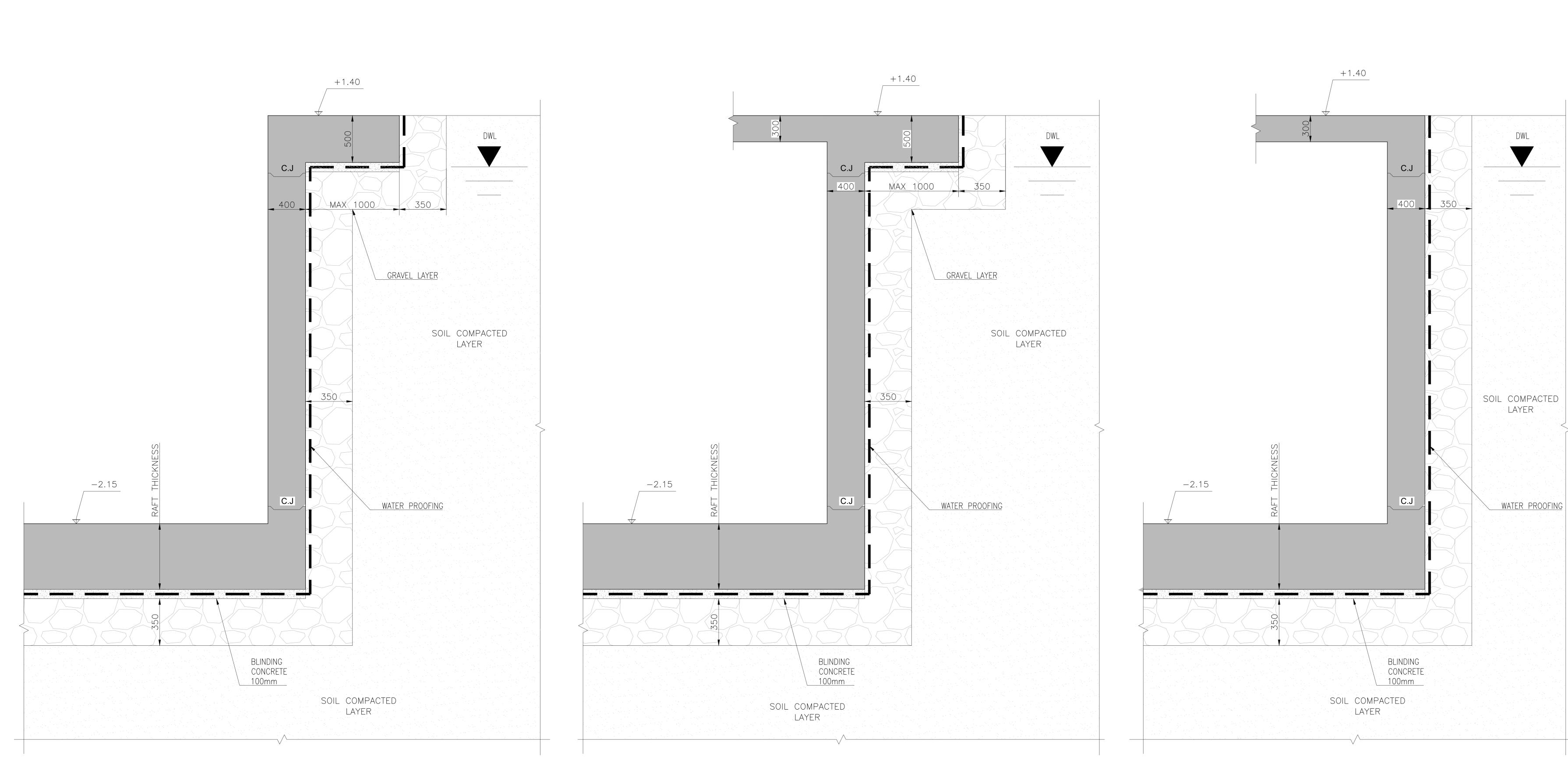








N	otes of F	ootings		
1- Fol	low construct	ion notes of c		no.(1,2,3,5,6) . sement, ground , First
sec 3- Fou	ond floor .	C	•	from architectural
geo	otacnical repo	ort.		n level must be as
sho	ould be impler	mented.		geotechnical soil rep have chracteristic str
of 2	250 kg/m.c.			num cement content
stre cor	ength not less ntent of 350 kg	than 300 kg/ g/m.c.	cm.sq.wi	th minimum cement
tha	t concrete is	dense, with lov	w permea	e to the specifications ability and good surfa ground works is 5 cm
10- Fo		ould be coated	l using ap	pproved water proof
th	ne top surface		-	tend 1.0 m or 65 abo footings whichever
18	s greater .			
	DATE	DESCR	IPTION	BY
	IONS	DESCR	IPTION	BY
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	er Consultant NAME F NAME RAFT LAND PLOT : SCALE : CODE	t PRIVATI REINFOF	E VIL RCEM ET 3/3 DATE	LA ENT DETAILS : APR. 2020 SIZE :ISO A0



RETAINING WALL - CONCRETE DIMENSION AT OPEN PART AT SHOWRING AARE SCALE 1:25

RETAINING WALL - CONCRETE DIMENSION AT CLOSED PART AT SHOWRING AARE SCALE 1:25

RETAINING WALL - CONCRETE DIMENSION AT BULDING AREA SCALE 1:25

KEY F	PLAN				
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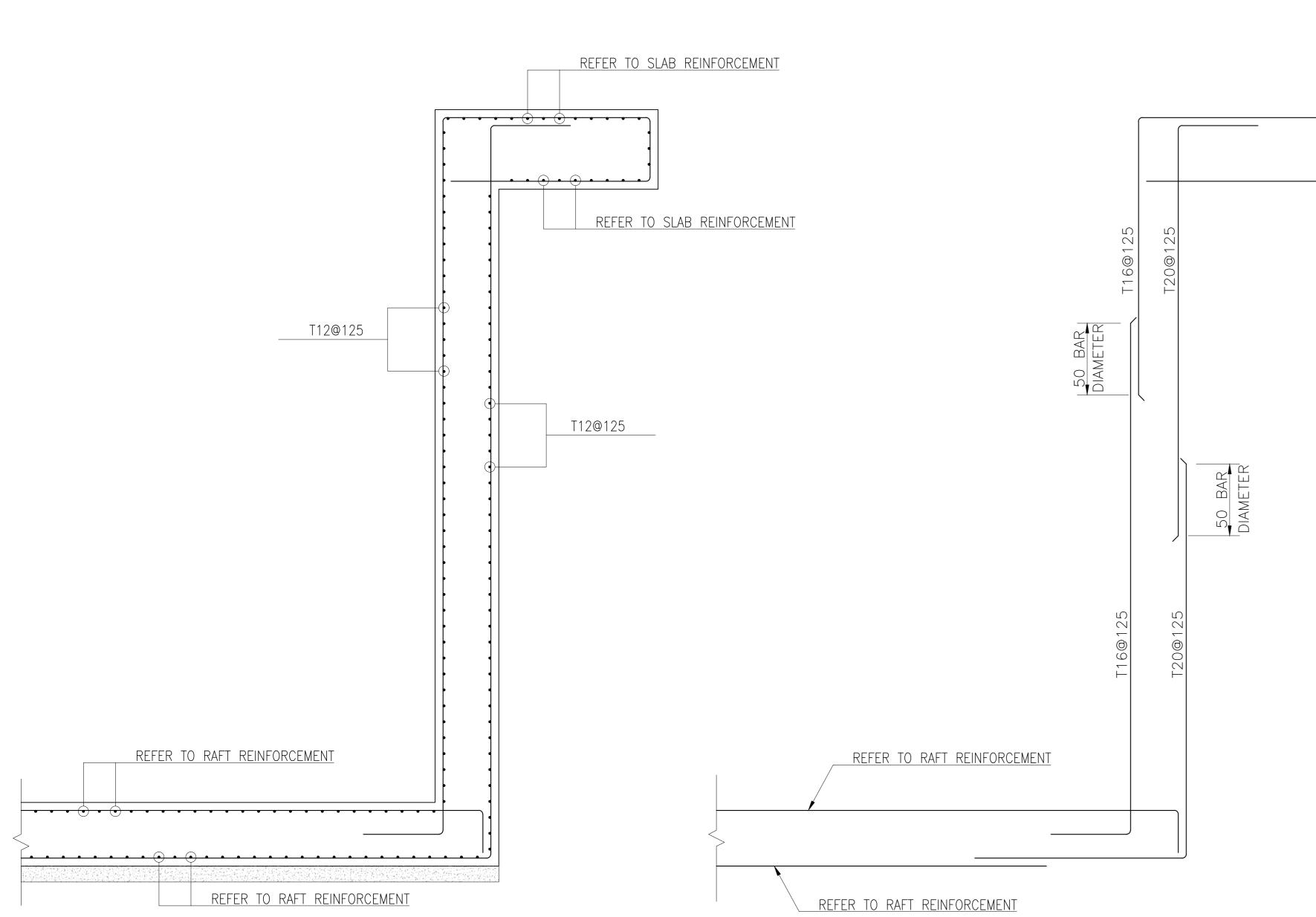
Owner

Main Consultant

PROJECT NAME

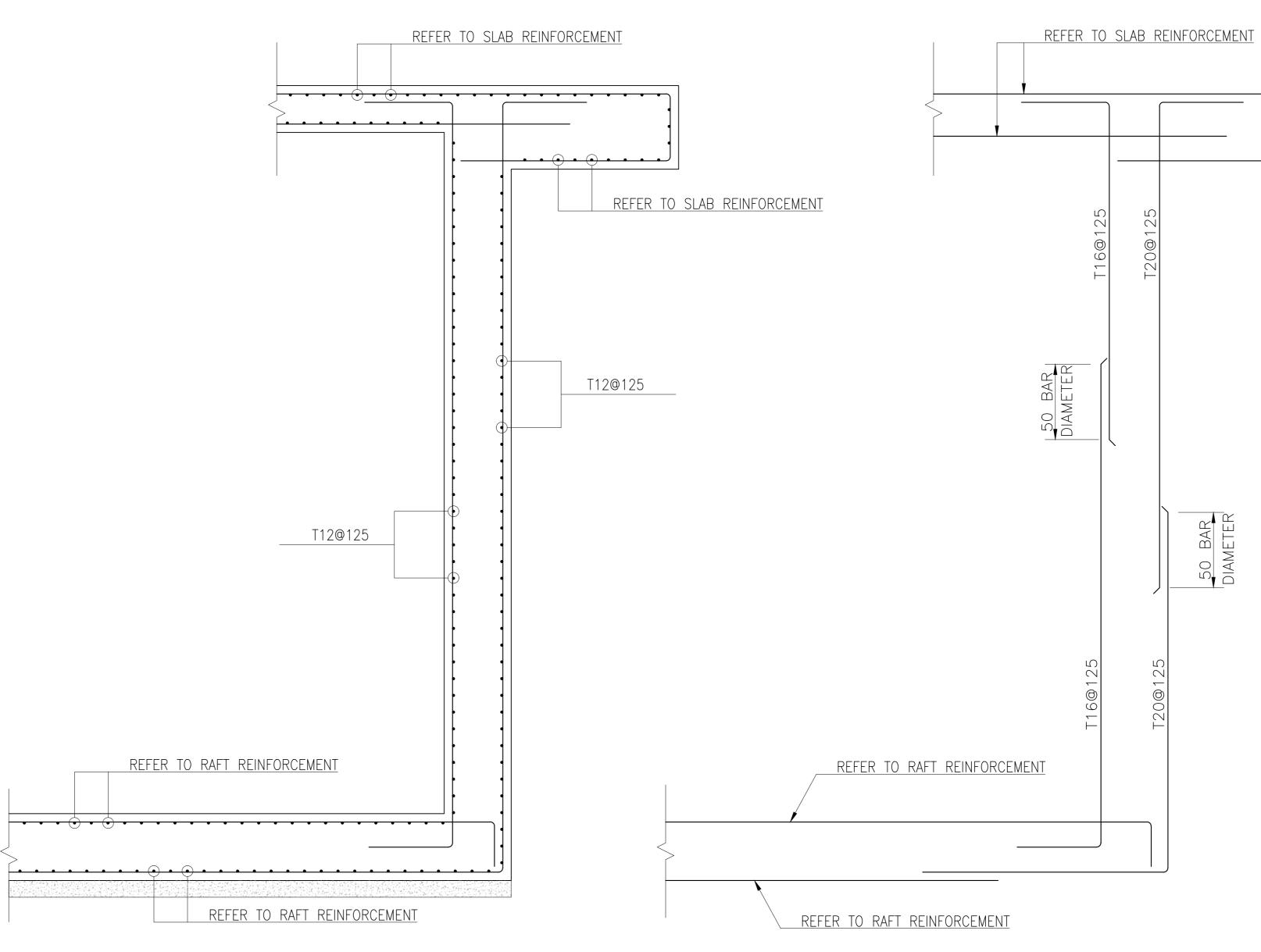
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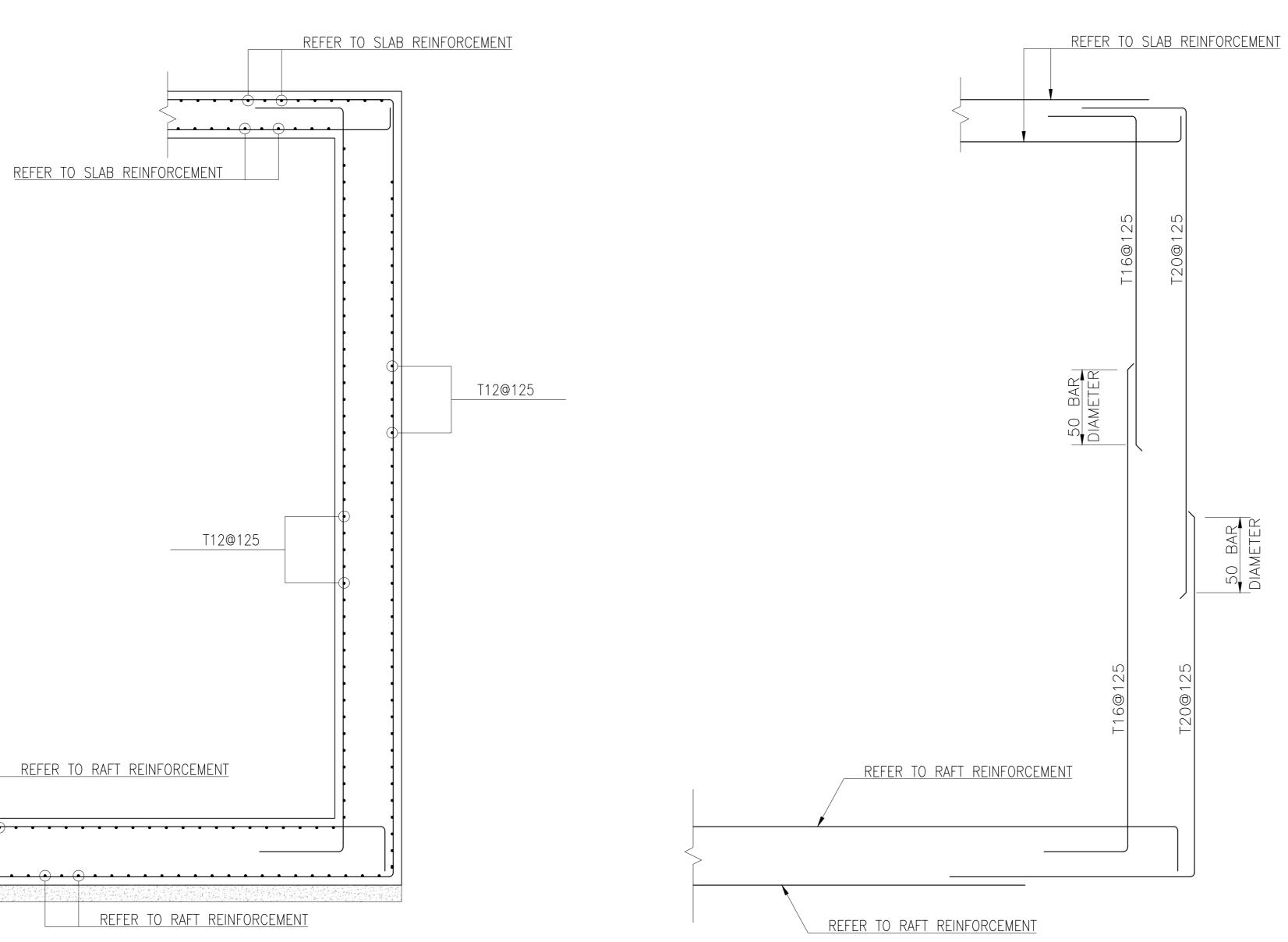
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RETAINING WALL - REINFORCEMENTDTAILS AT OPEN PART AT SHOWRING AARE SCALE 1:25

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RETAINING WALL - REINFORCEMENT DETAILS AT BULDING AREA SCALE 1:25

RETAINING WALL - REINFORCEMENT DETAILS AT CLOSED PART AT SHOWRING AARE SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY			
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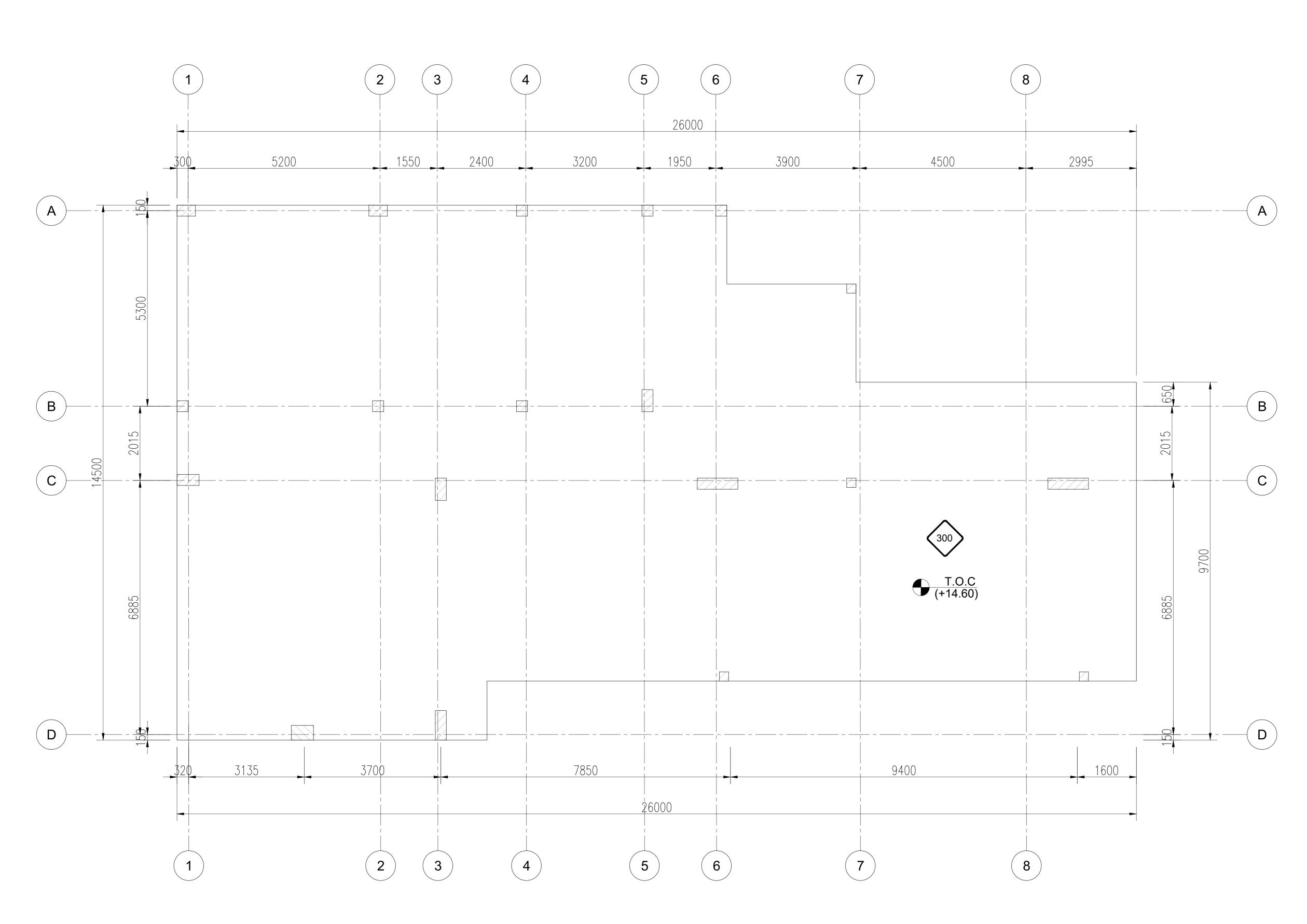
Owner

Main Consultant

PROJECT NAME

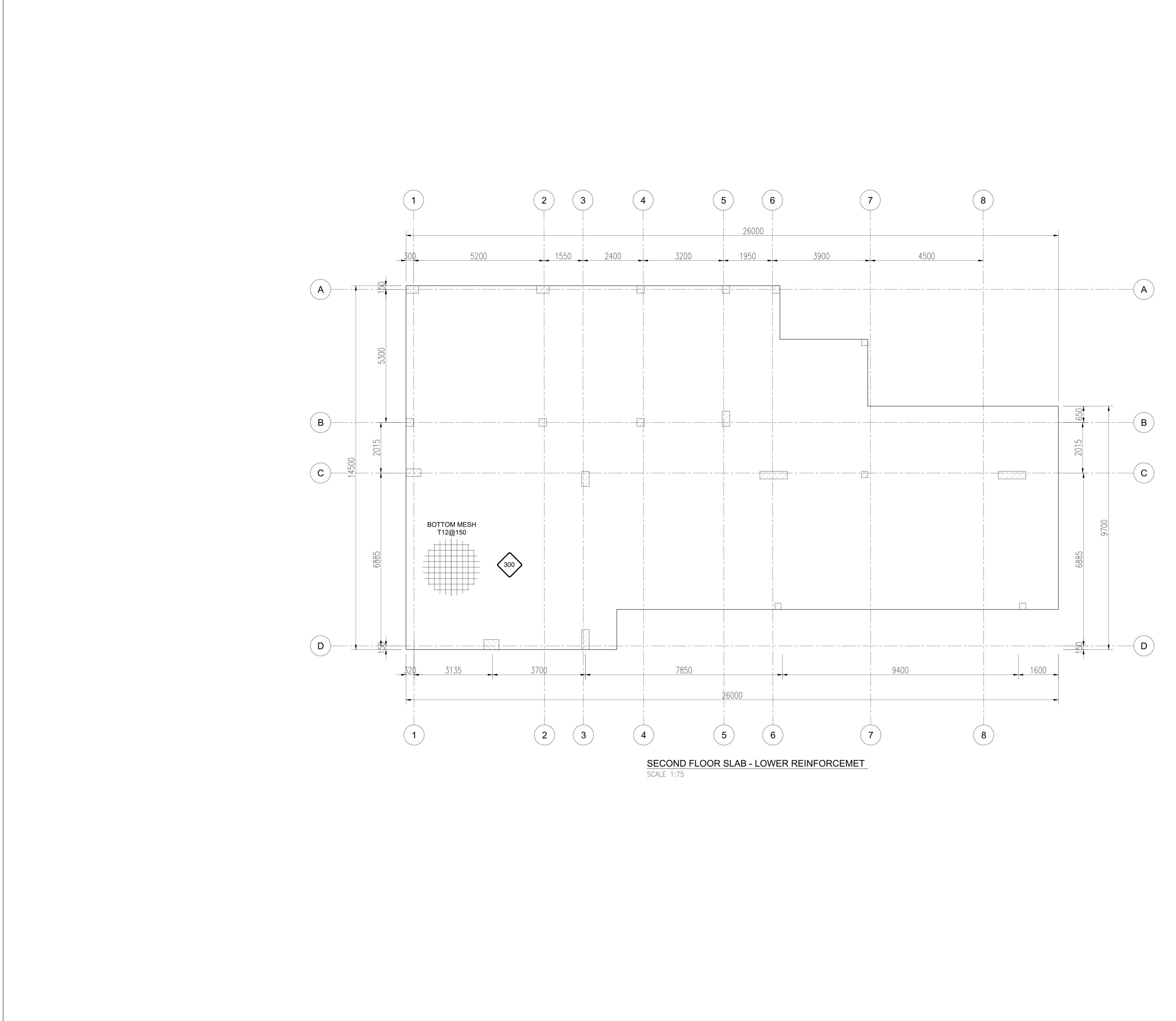
DRAWING NAME					
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	REIN	FORCE	MENT D	ETAILS	
LAN	D PLOT :		DATE: /	APR. 2020	
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PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
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PRIVATE VILLA

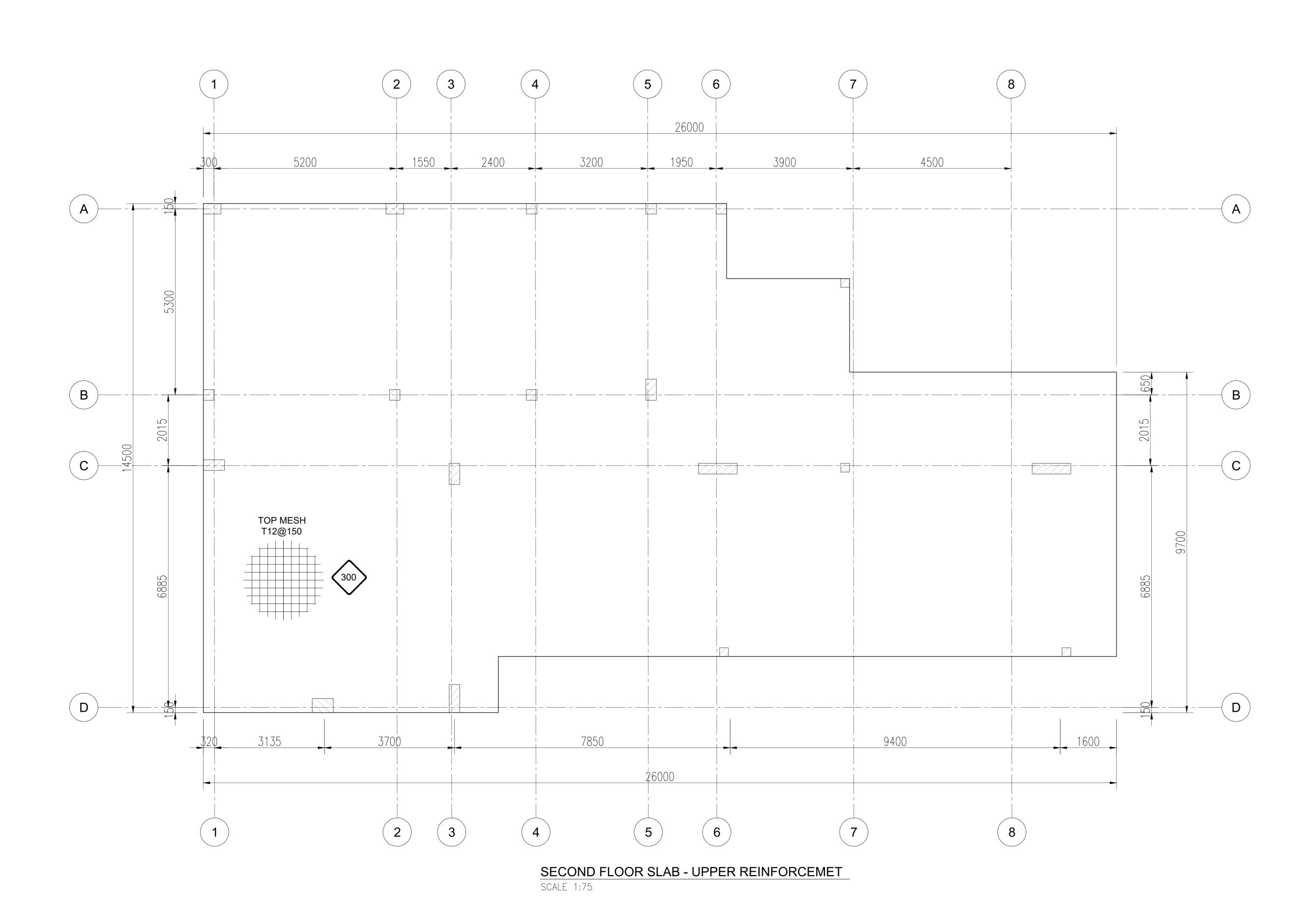


SCALE 1:75

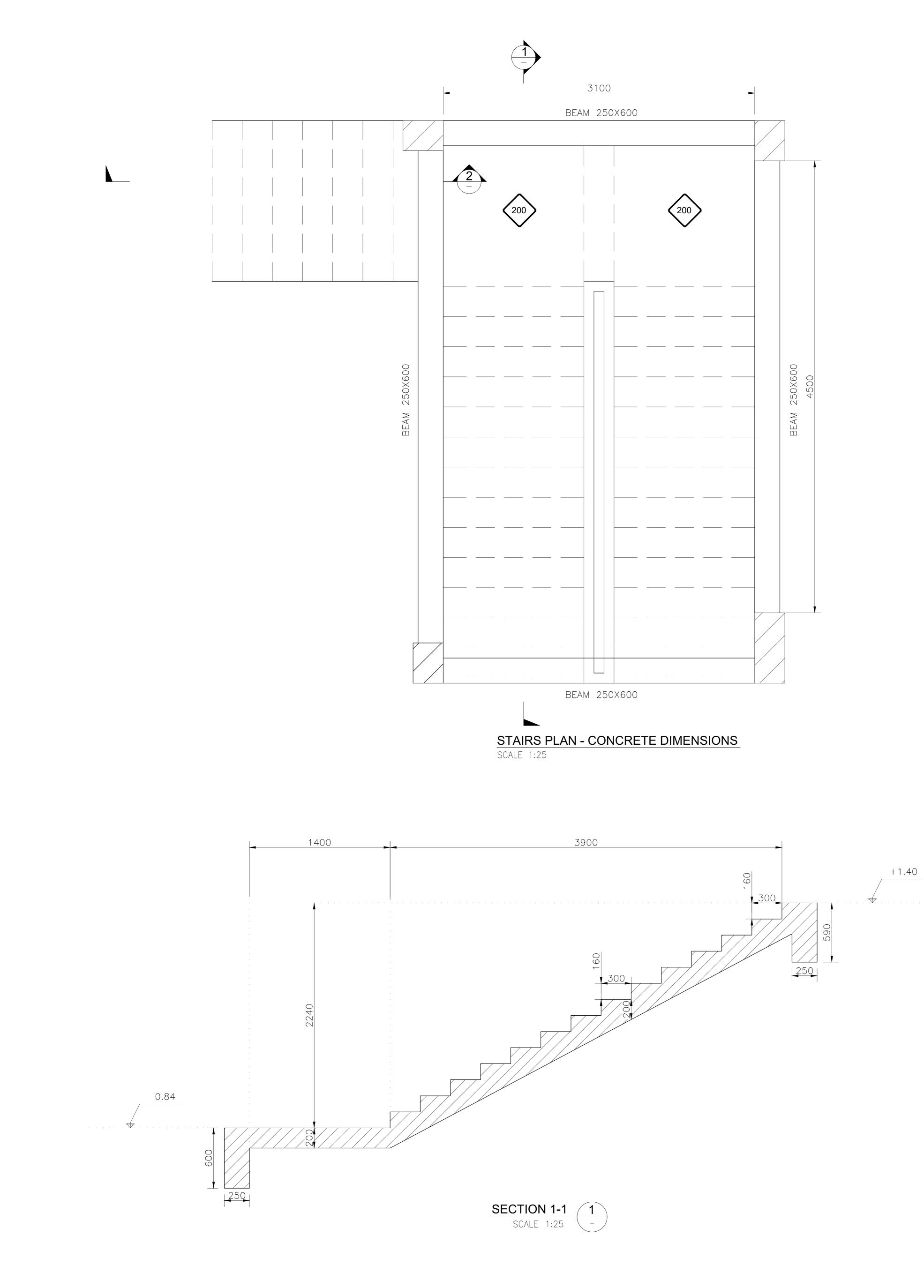
KE	Y PLAN			
Nc	otes of Sl	abs		
 2- De of t 3- Co 220 4- Ch wit 5- Co 6- Tho 7- Tho top 8- Tho 	sign live loa the building ncrete Block 00 Kg/cm3sl aracteristic s h a minimum ncrete cover e flat slab th e flat slab re o mesh with	ids varies ac (100,300 k ks of specific hould be use strength of c m cement c r is 1.5 cm f ickness is to inforcement the indicate onal reinforce	cording to g/cm-acco c gravity n ed in all wa concrete is ontent of 3 or slabs & o be taken t is T12@1 ed addition	300 Kg/cm2 350 Kg/m3 . 2.5 cm for beams . as indicated in plans 150 lower mesh and al reinforcement . s are concentric
9- Th		itional reinf	orcement b	pars are concentric
10- St	•	ams which h	nas width e	equal to 40 cm or
11-Ad	ditional rein	nforcement s		g openings are 3T25
12-Fo	op & bottom r spans exce	eding 4.0 m		
	cm per met r cantilevers	•		pe applied . per meters of span)
she	ould be appl	ied.	`	/
14- I. -				bars are denoted by l reinforcement bars
	re denoted b			
		hould be sur	rrounded b	y Dowels 3 T 25
Up 16- TI	per & Lowe he hatched a	hould be sur er ureas' level a		y Dowels 3 T 25 ower than the
Up 16- TI	per & Lowe	hould be sur er ureas' level a		-
Up 16- TI	per & Lowe he hatched a	hould be sur er ureas' level a		-
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Up 16- TI	per & Lowe he hatched a	hould be sur er ureas' level a		-
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Up 16- TI	per & Lowe he hatched a	hould be sur er ureas' level a	ure 10 cm 1	-
Up 16- TI re	per & Lowe he hatched a est of the sla	hould be sum r ureas' level a b .	ure 10 cm 1	
Up 16- T re	per & Lowe he hatched a est of the sla DATE IONS	hould be sum r ureas' level a b .	ure 10 cm 1	
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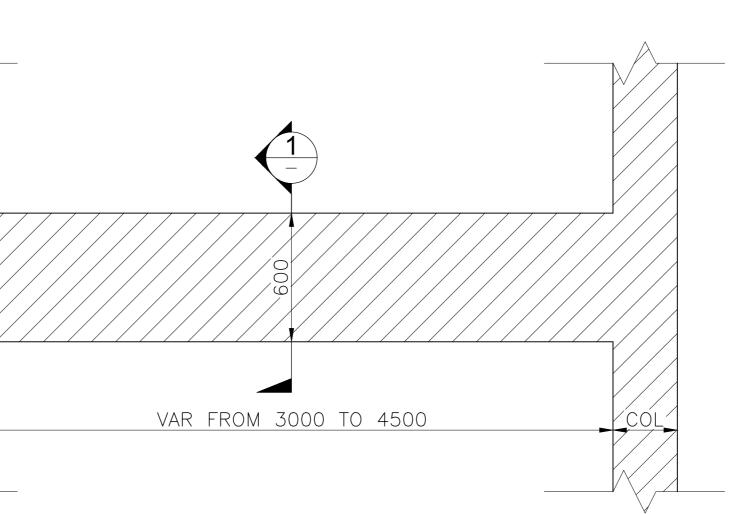


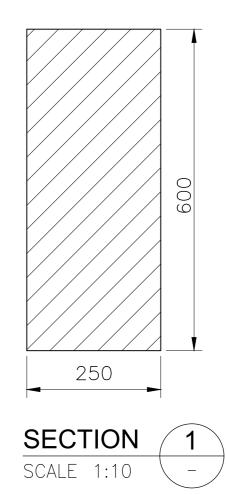
	Y PLAN		-	
No	otes of Sl	ahs		
 Fol Description Description Of t of t 220 Control Contro Contro Contro Contr	llow constru sign live loa the building ncrete Block 00 Kg/cm3sh aracteristic s h a minimur ncrete cover e flat slab th e flat slab re o mesh with e top additic	ction notes f ds varies aco (100,300 kg s of specific hould be use strength of co is 1.5 cm fo ickness is to inforcement the indicated onal reinforce	cording to g/cm-accord g gravity n d in all wa oncrete is ontent of 3 or slabs & be taken a is T12@1 d additiona	300 Kg/cm2 50 Kg/m3 . 2.5 cm for beams . as indicated in plans 50 lower mesh and al reinforcement . s are concentric
9- The	e lower addi	unless otherv tional reinfo ess otherwis	rcement b	ars are concentric
10- Sti	irrups of bea		as width e	qual to 40 cm or
11 - Ad		forcement s		g openings are 3T25
12-Foi	r spans exce	eding 4.0 m ters of span)		
13-Foi	r cantilevers	, a camber o		per meters of span)
	ould be appl he lower add		orcement	bars are denoted by
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Up	l openings sl per & Lowe		rounded by	y Dowels 3 T 25
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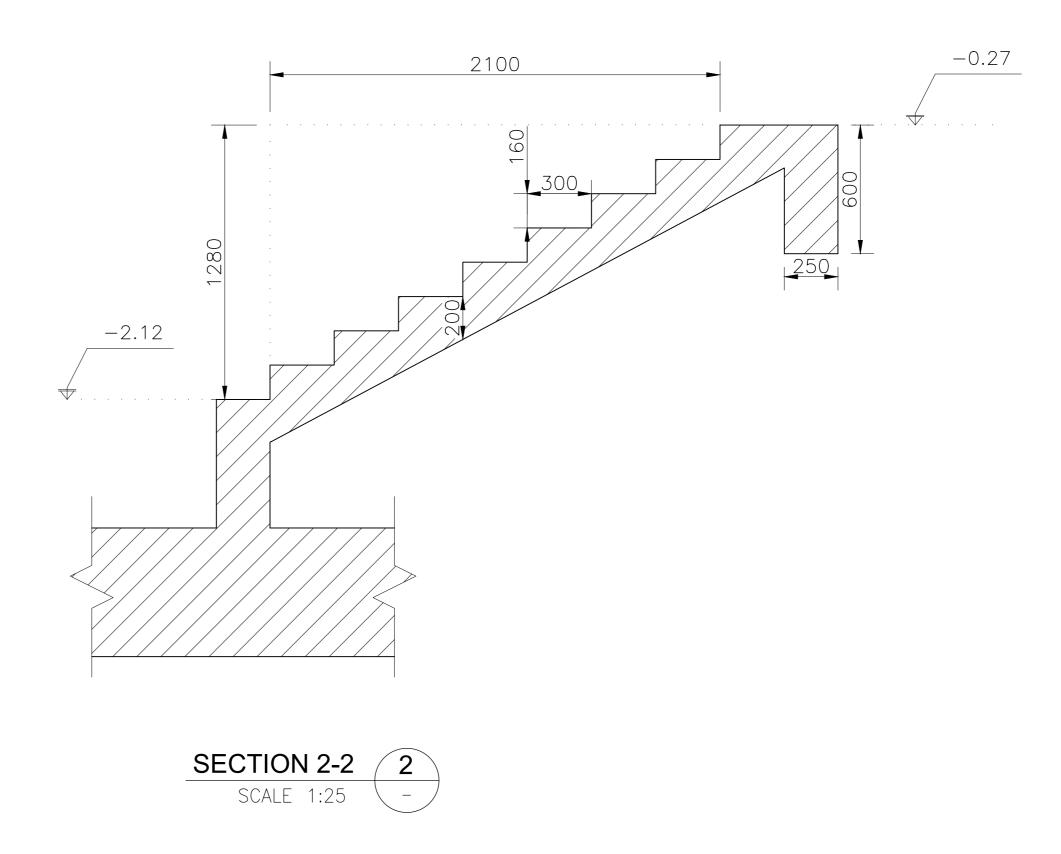
KEY PLAN	
Notes of Slabs	
 2- Design live loads varies and of the building (100,300 k 3- Concrete Blocks of specific 2200 Kg/cm3should be us 4- Characteristic strength of with a minimum cement of with a minimum cement of 5- Concrete cover is 1.5 cm f 6- The flat slab thickness is t 7- The flat slab reinforcement 	ed in all walls . concrete is 300 Kg/cm2 content of 350 Kg/m3 . For slabs & 2.5 cm for beams . o be taken as indicated in plans. it is T12@150 lower mesh and ed additional reinforcement . cement bars are concentric
 9- The lower additional reinf with spans unless otherwi 10 Stirrups of boxes which I 	se specified .
10- Stirrups of beams which l greater should be consists11-Additional reinforcement	-
(top & bottom) .12-For spans exceeding 4.0 m	
(0.5 cm per meters of span	
should be applied .	
while The upper	forcement bars are denoted by r additional reinforcement bars
are denoted by 15-All openings should be su	mounded by Dervels 2 T 25
Upper & Lower	Trounded by Dowers 5 1 25
Upper & Lower 16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a	-
16- The hatched areas' level a	
16- The hatched areas' level a	-
16- The hatched areas' level a	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	
16- The hatched areas' level a rest of the slab .	are 10 cm lower than the
16- The hatched areas' level a rest of the slab .	are 10 cm lower than the
16- The hatched areas' level a rest of the slab . 16- Th	are 10 cm lower than the
16- The hatched areas' level a rest of the slab . 16- Th	are 10 cm lower than the



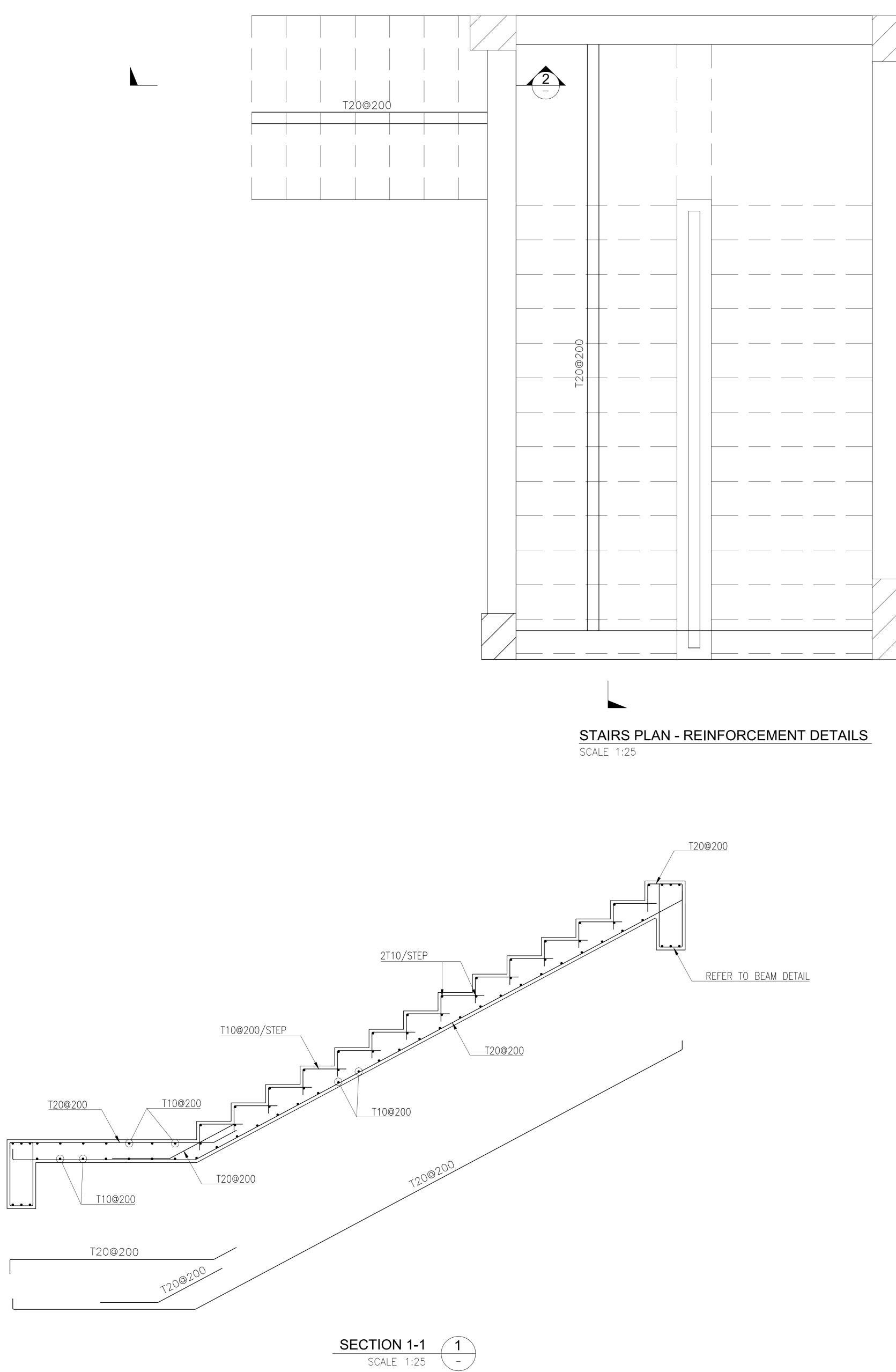


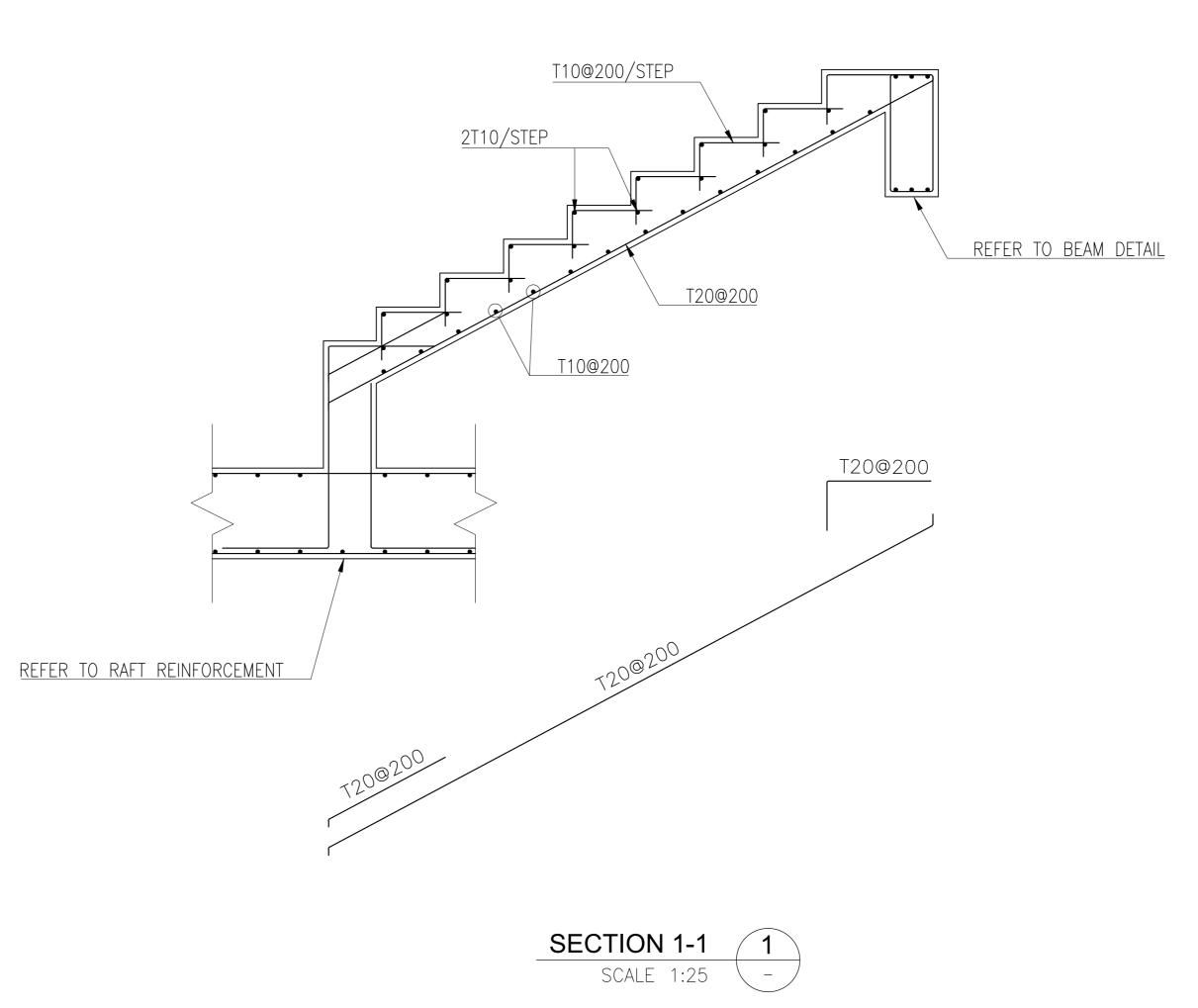


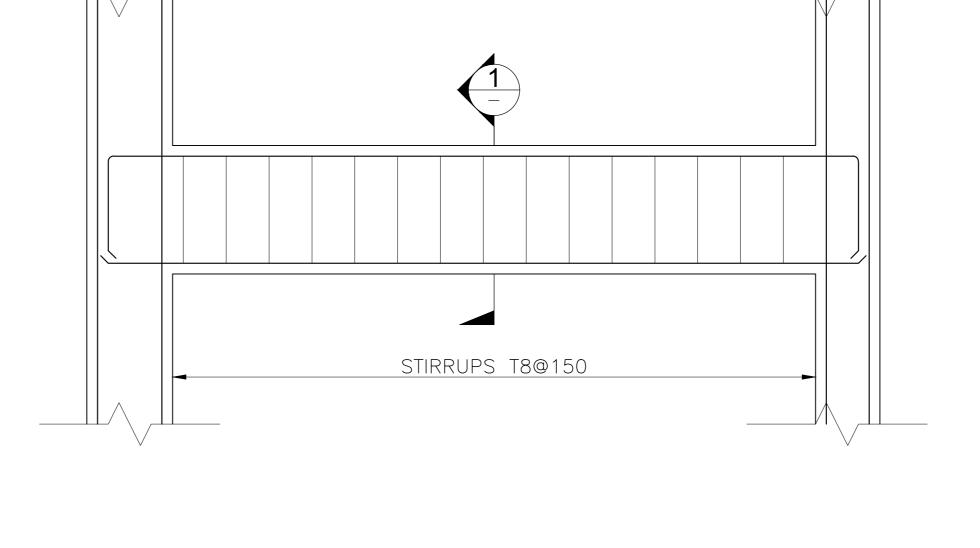
BEAM 1 - CONCRETE DIMENSIONS SCALE 1:25



KEY F	PLAN		_	
	DATE	DESC	RIPTION	BY
		DESC	RIPTION	BY
REVISIONS		DESCI	RIPTION	BY
Owner		DESC	RIPTION	BX
Owner	nsultant			
REVISIONS Owner Main Co PROJECT NAME DRAWING NAM	nsultant	RIVAT	EVILLA	A D STAIRS
	nsultant	RIVAT	EVILLA	A D STAIRS S R. 2020

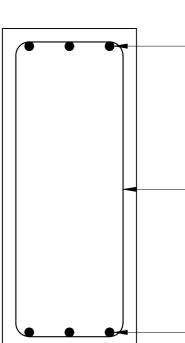






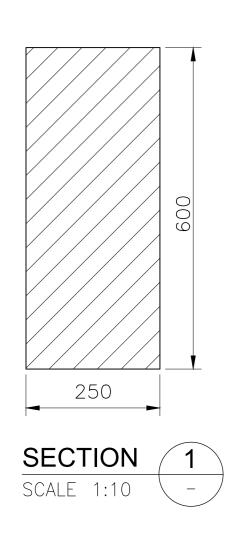
3T12

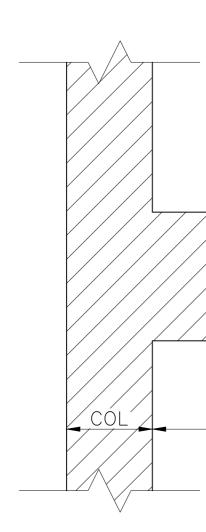
3T16

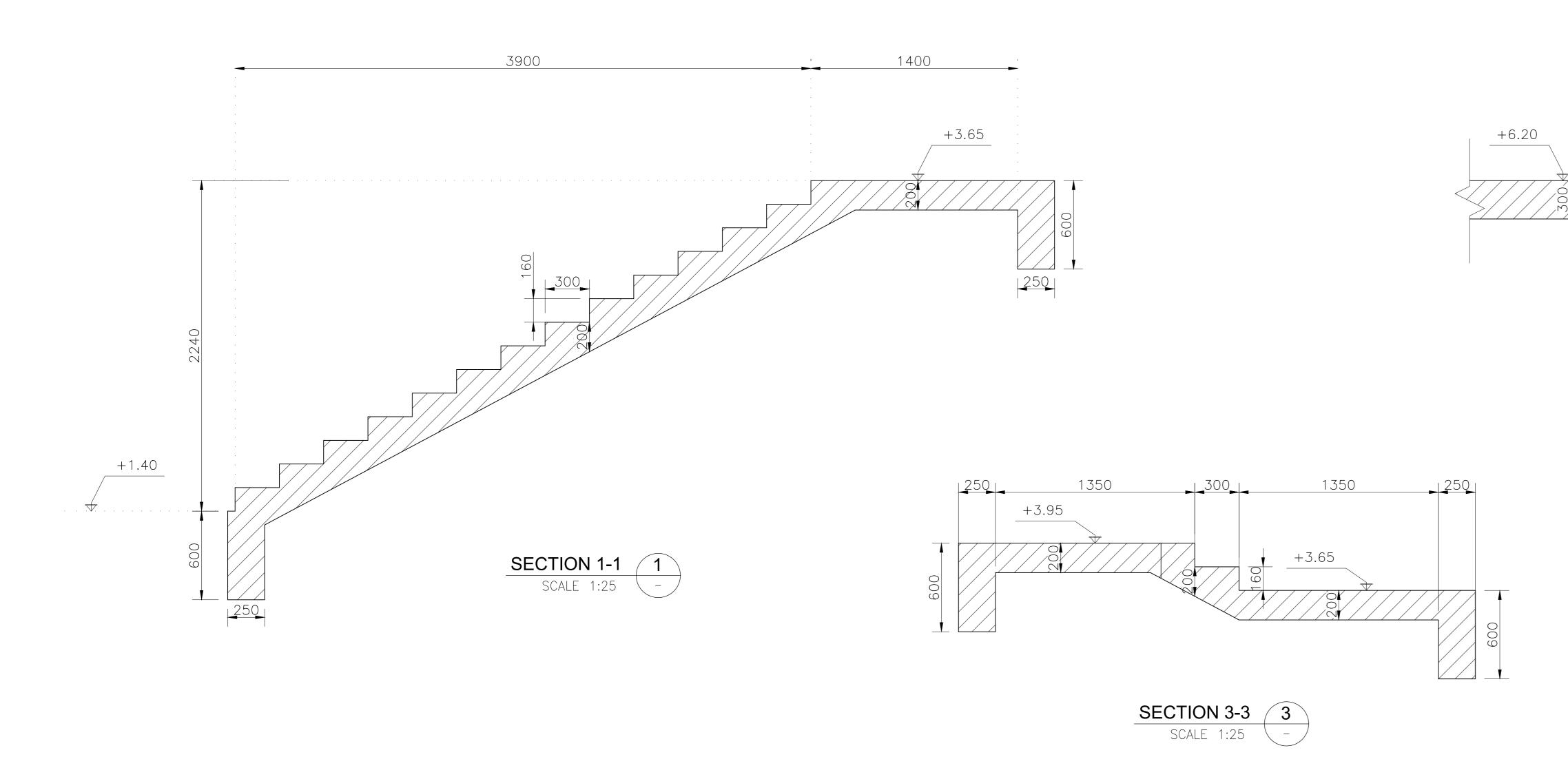


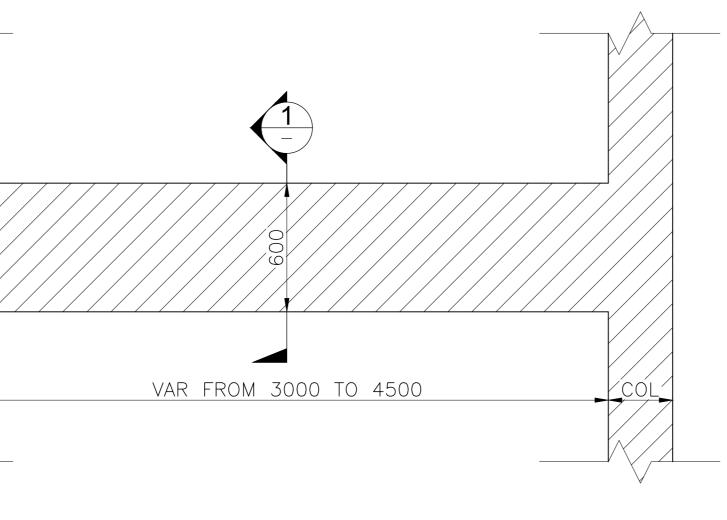
SECTION (SCALE 1:10

	KEY PLAN	
<u>3T12</u>		
<u> T8@150</u>		
<u>3T16</u>		
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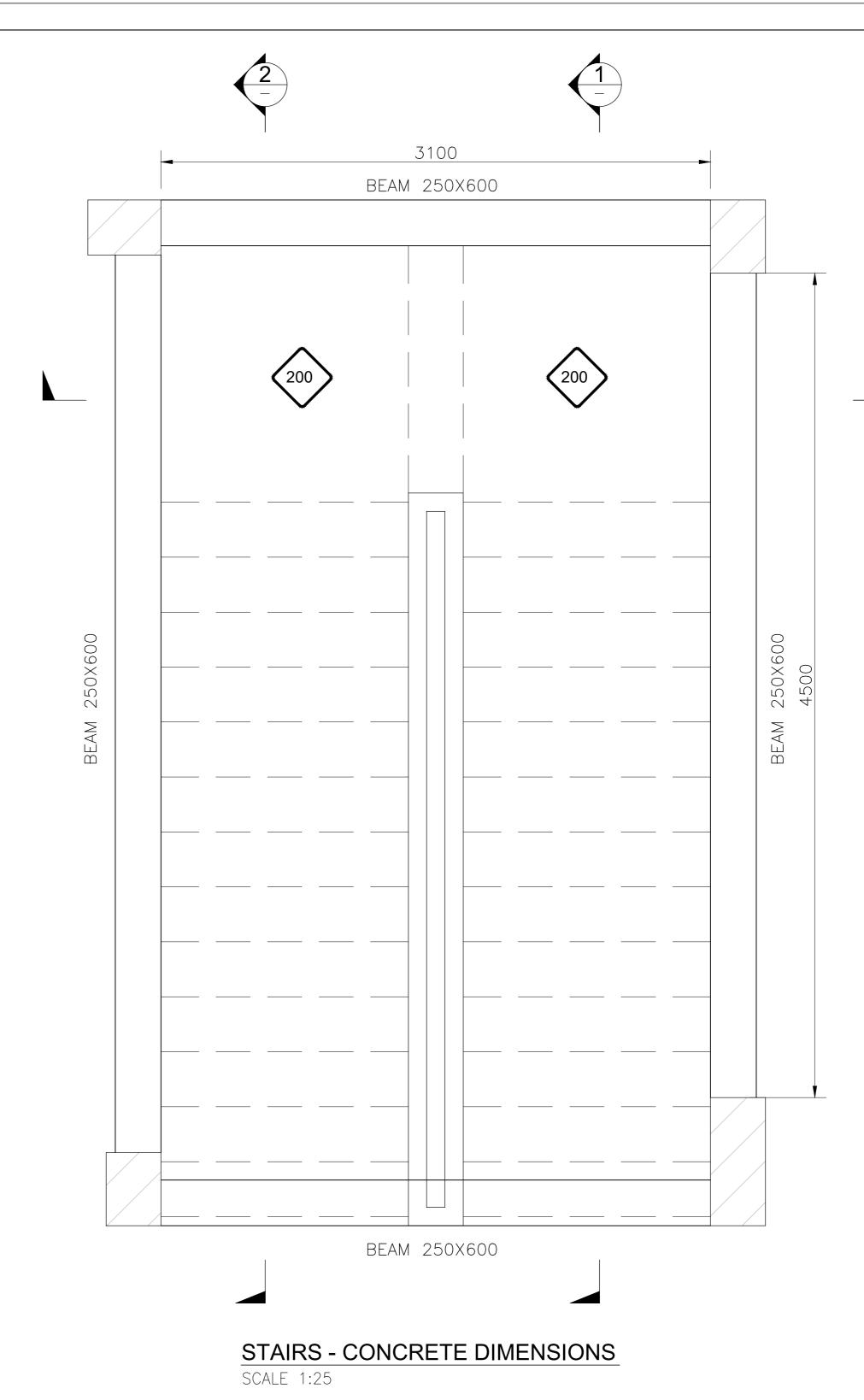


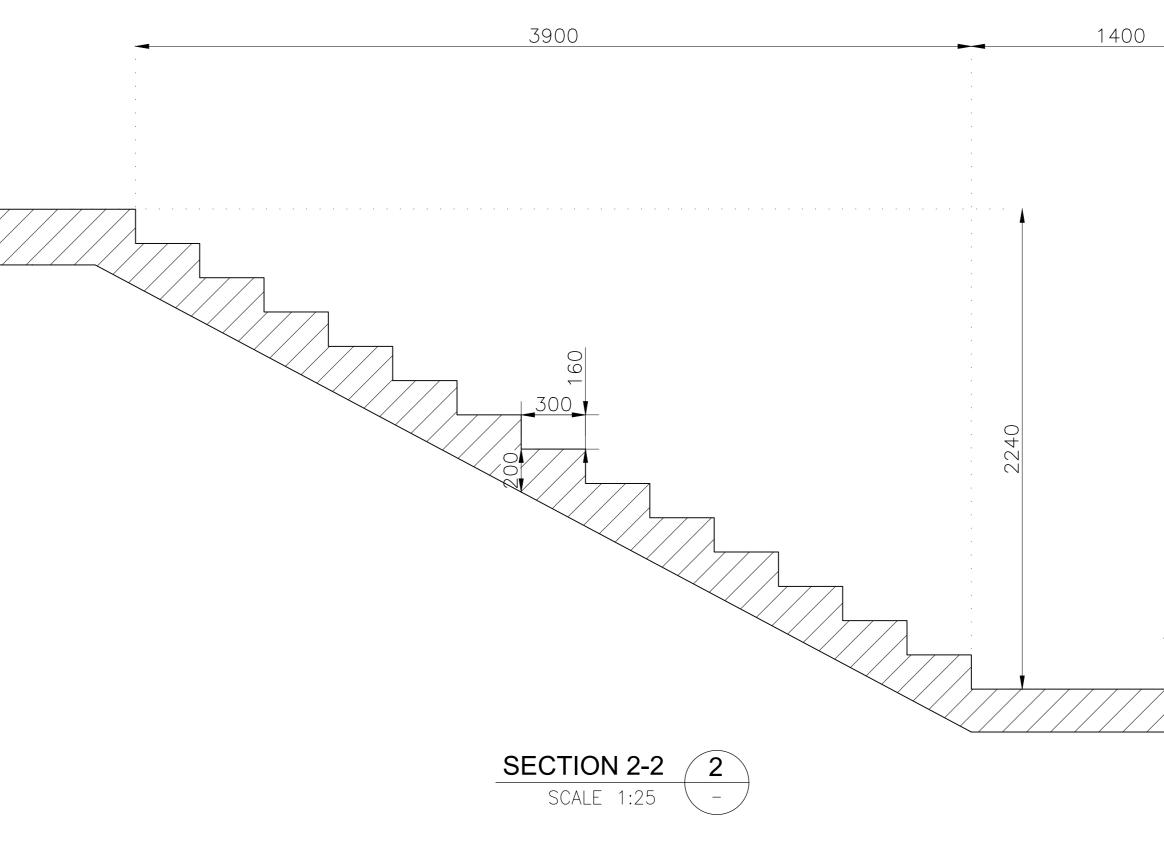






BEAM 1 - CONCRETE DIMENSIONS SCALE 1:25



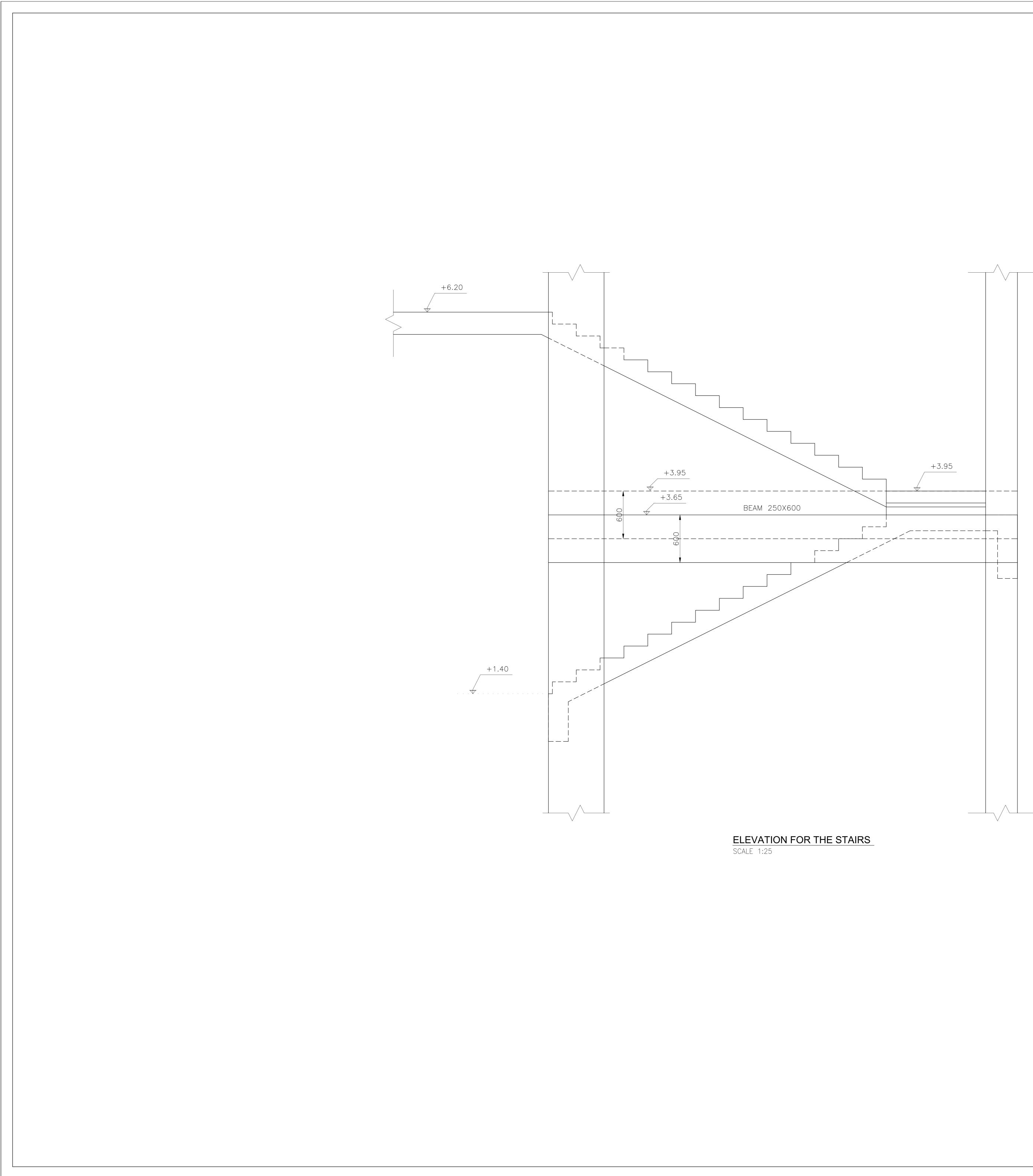


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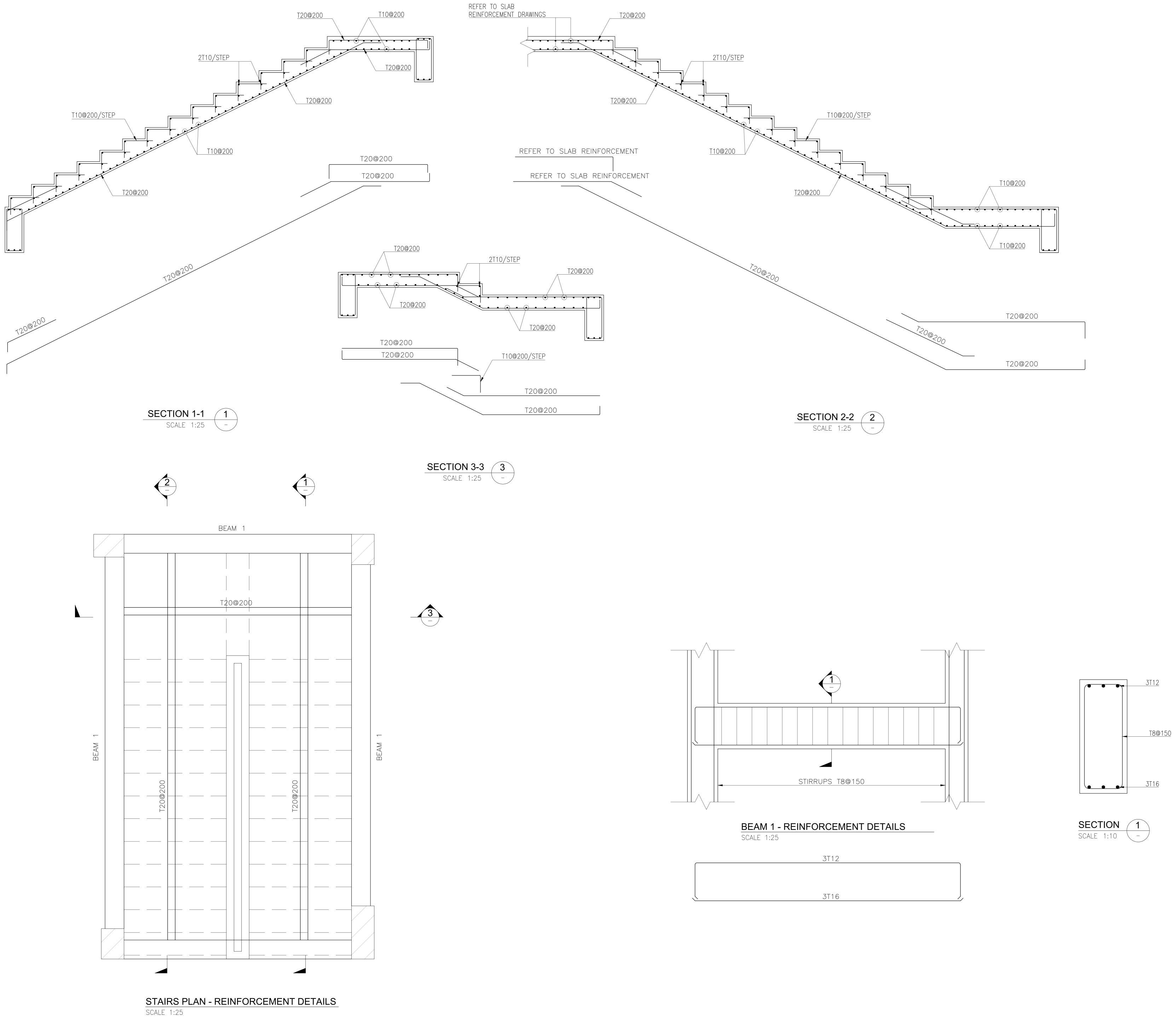
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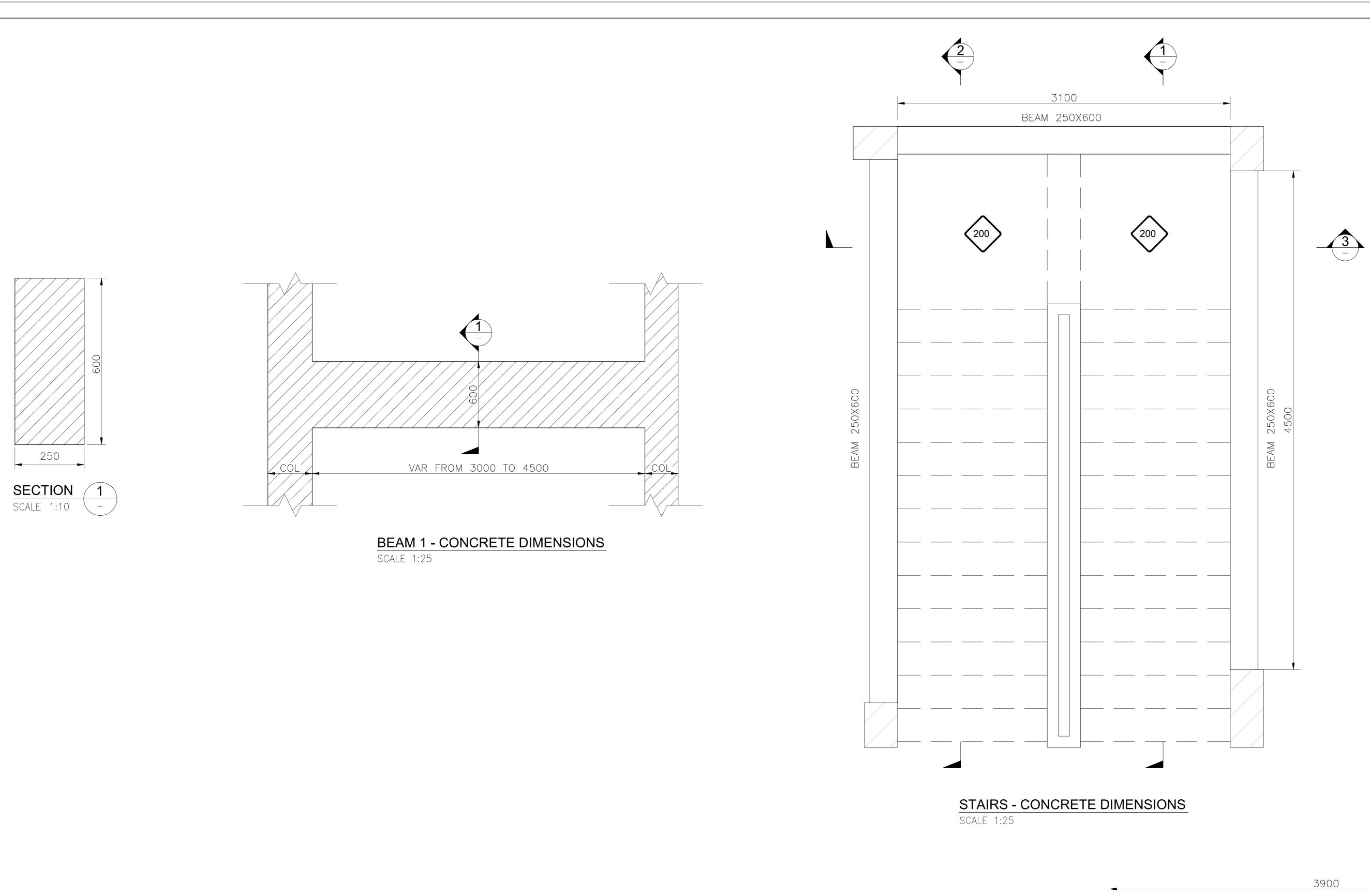


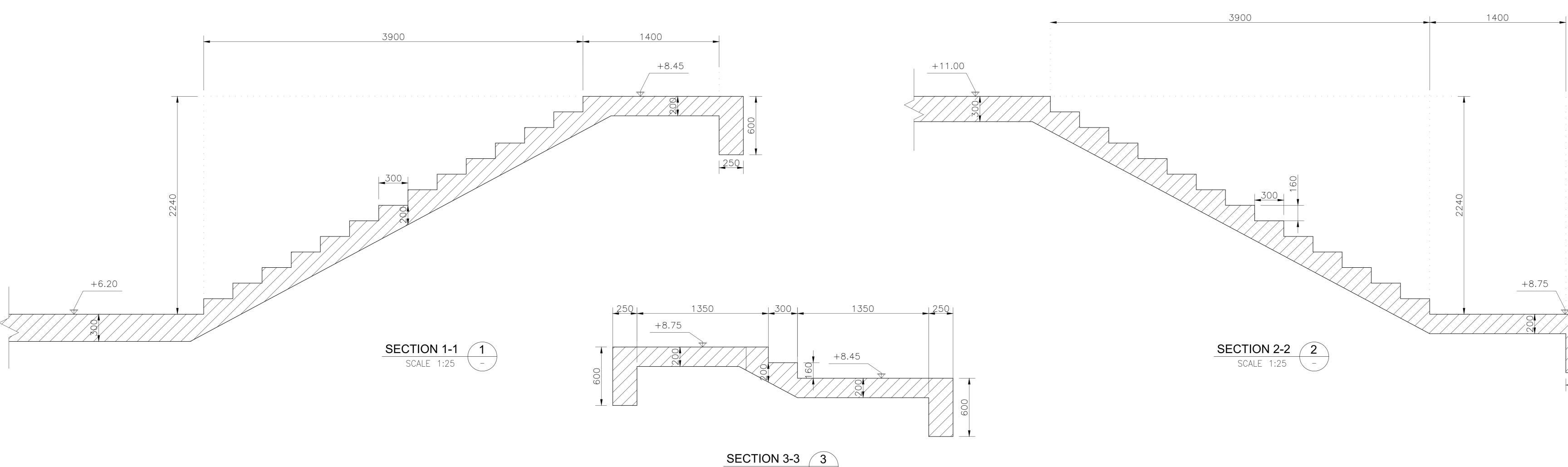
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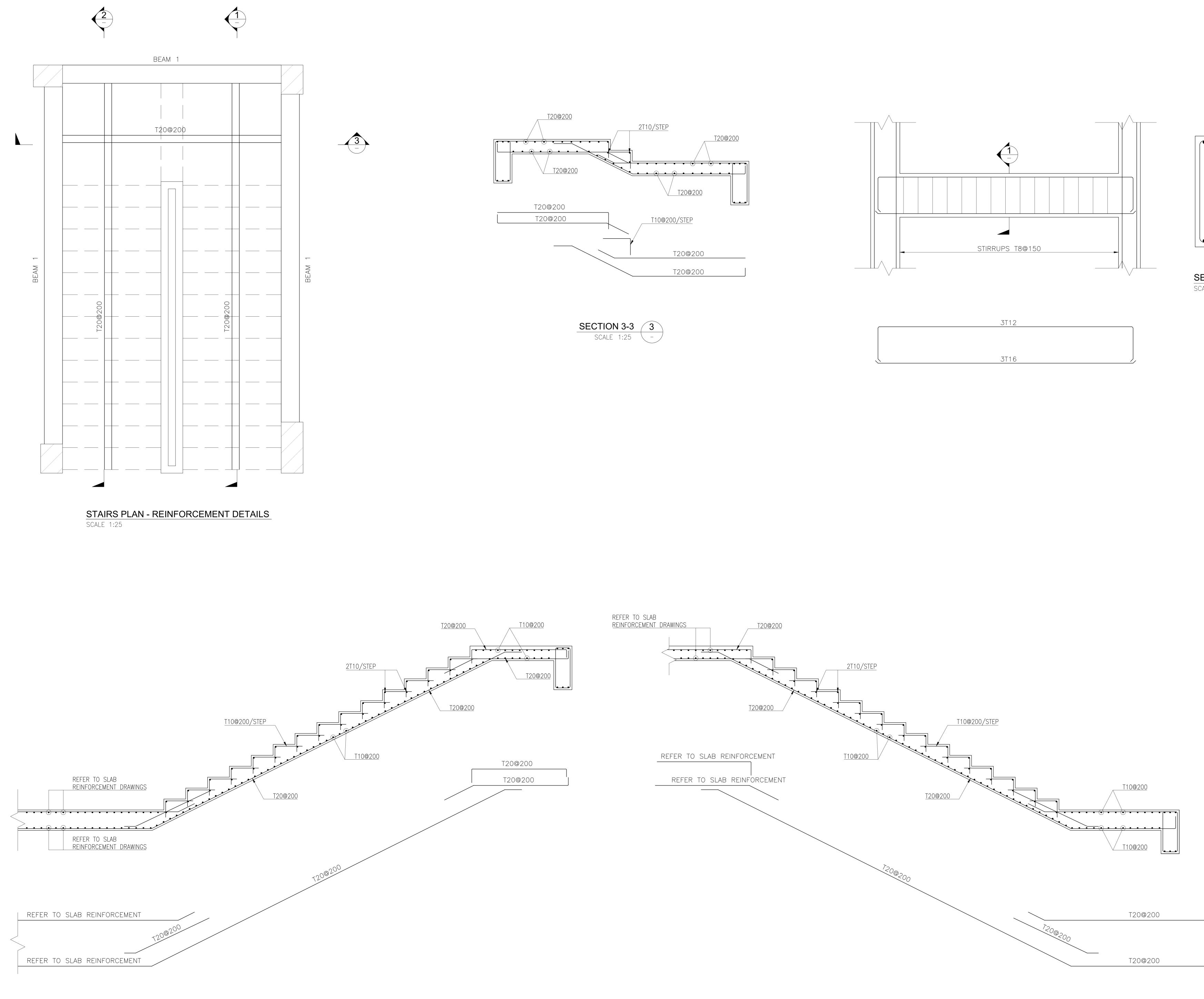
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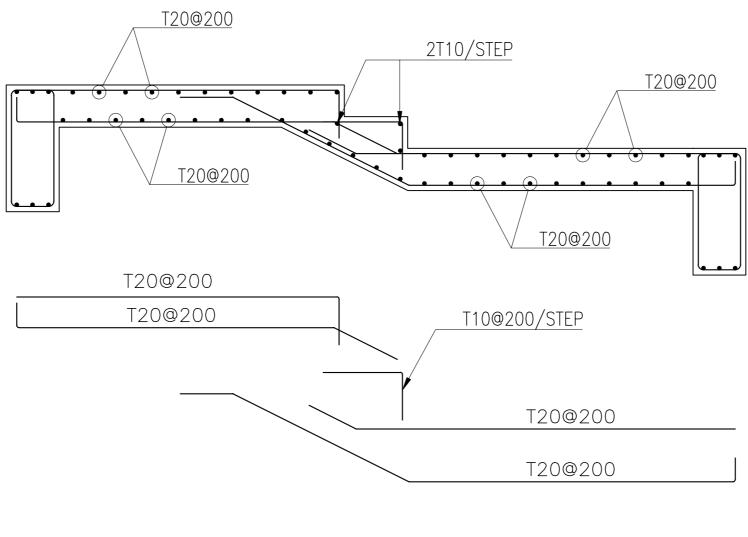
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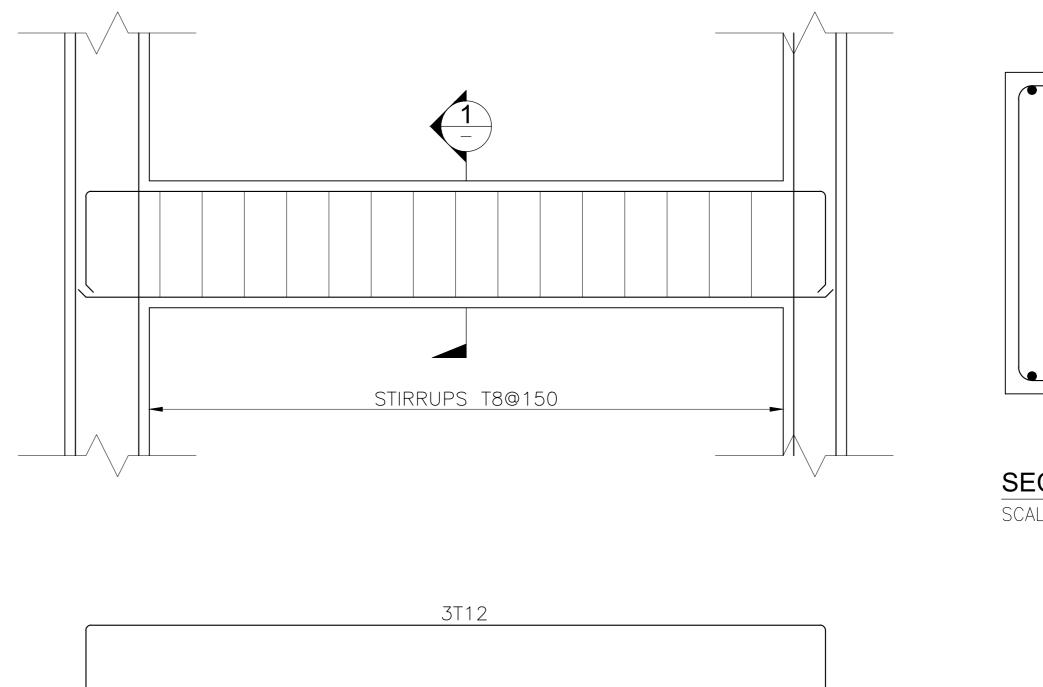


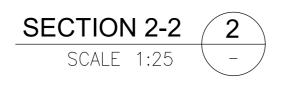
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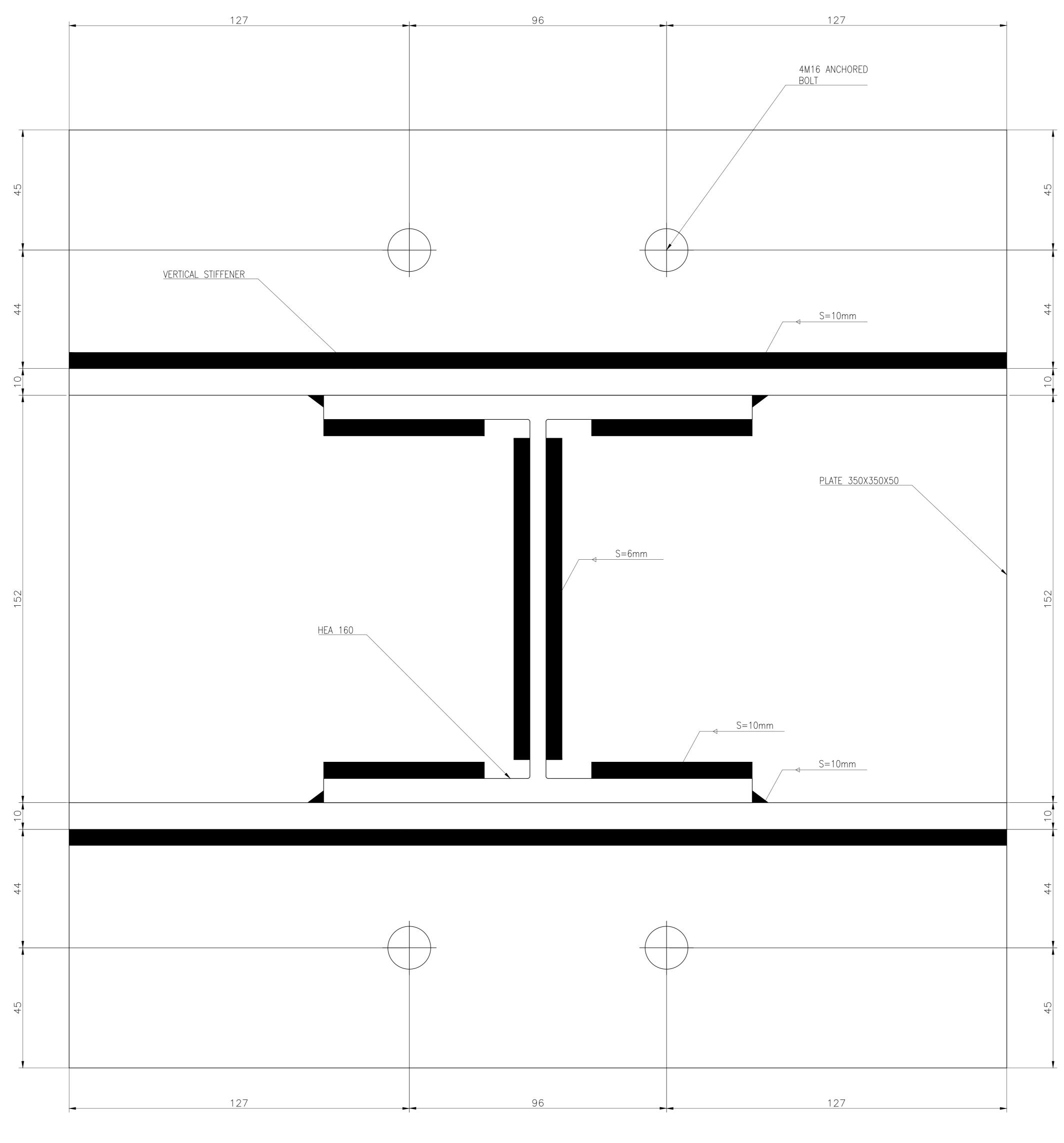






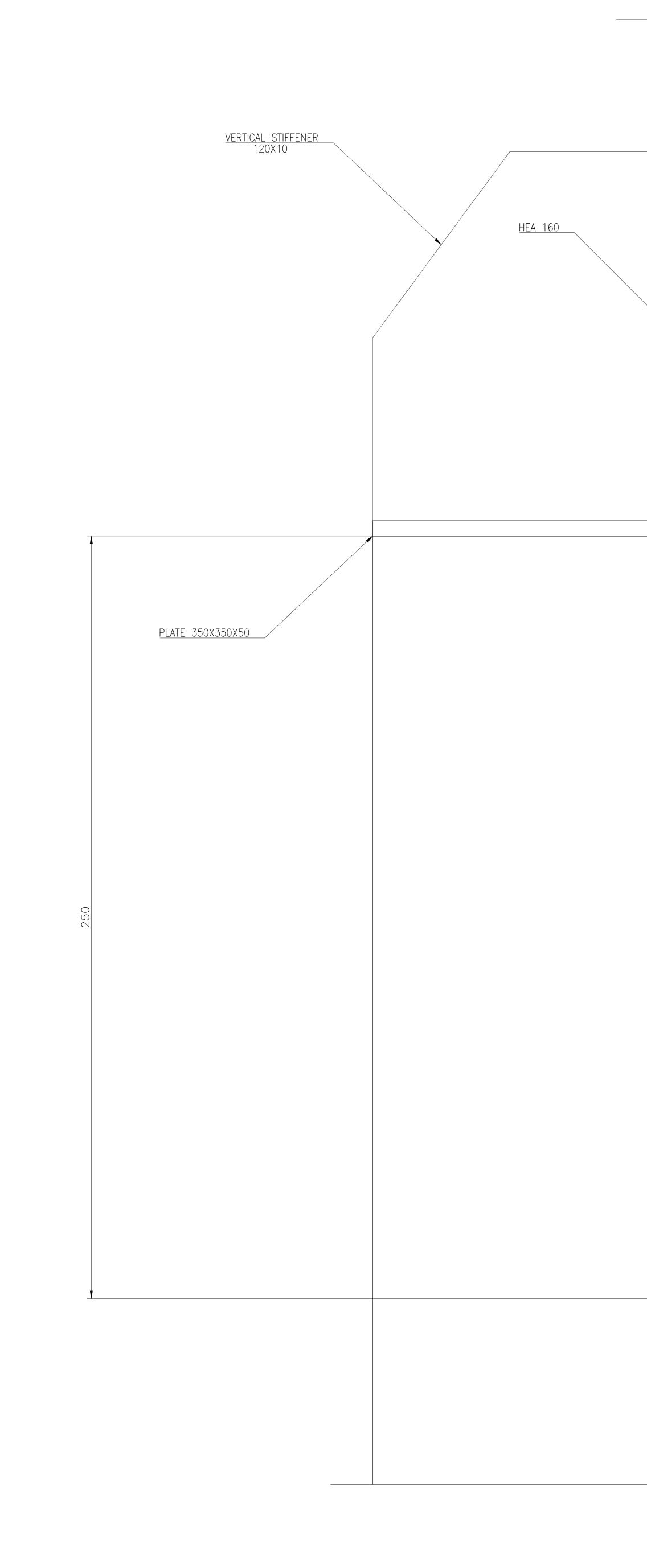


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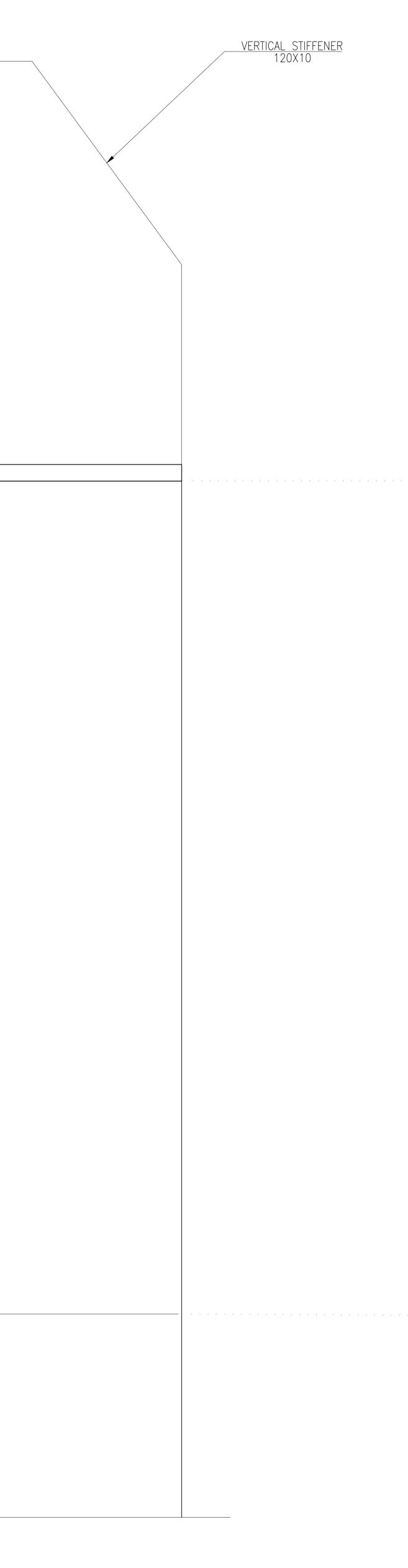
DETAIL A PLAN SCALE 1:1

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DETAIL A ELEVATION SCALE 1:1



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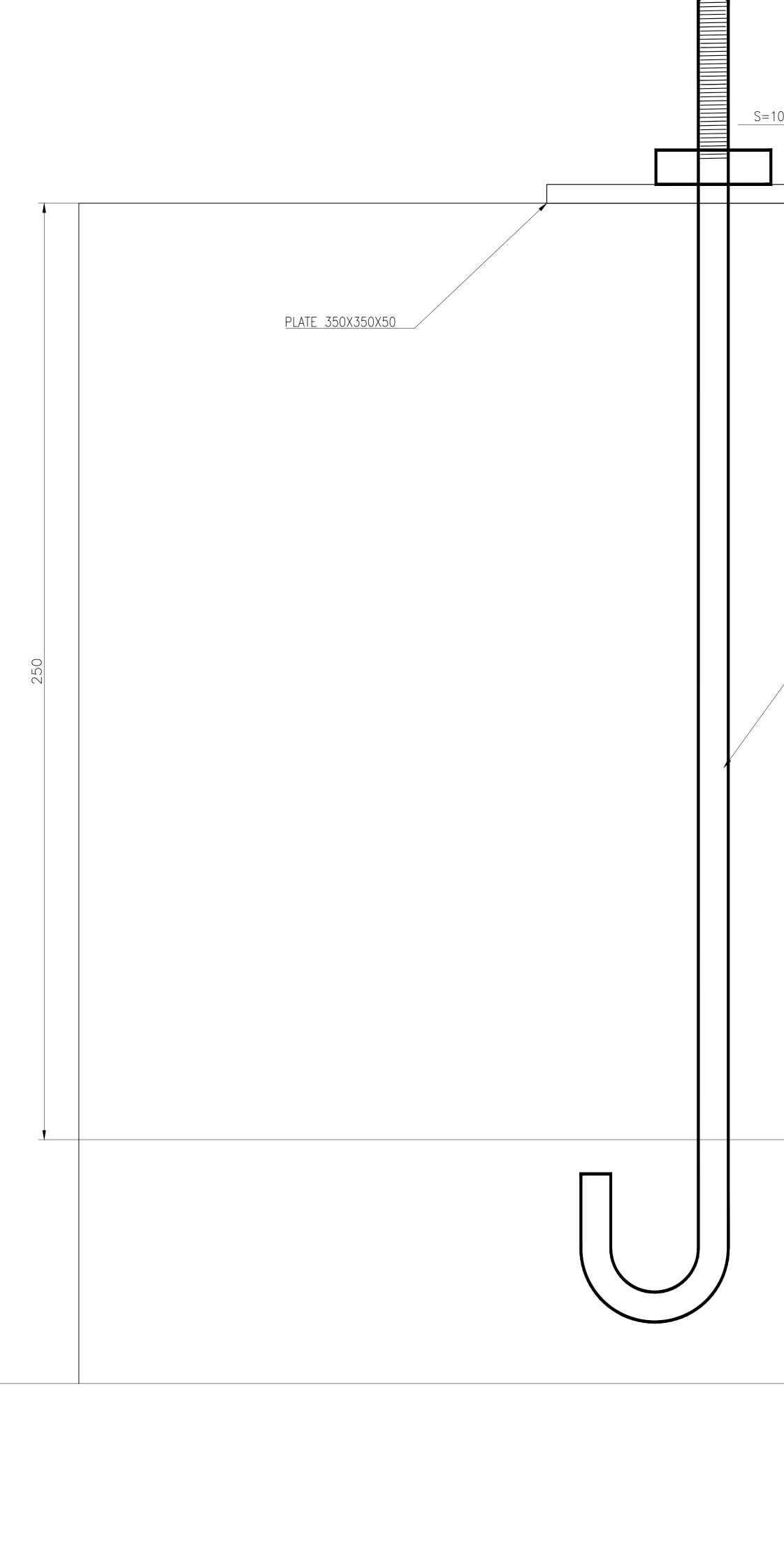
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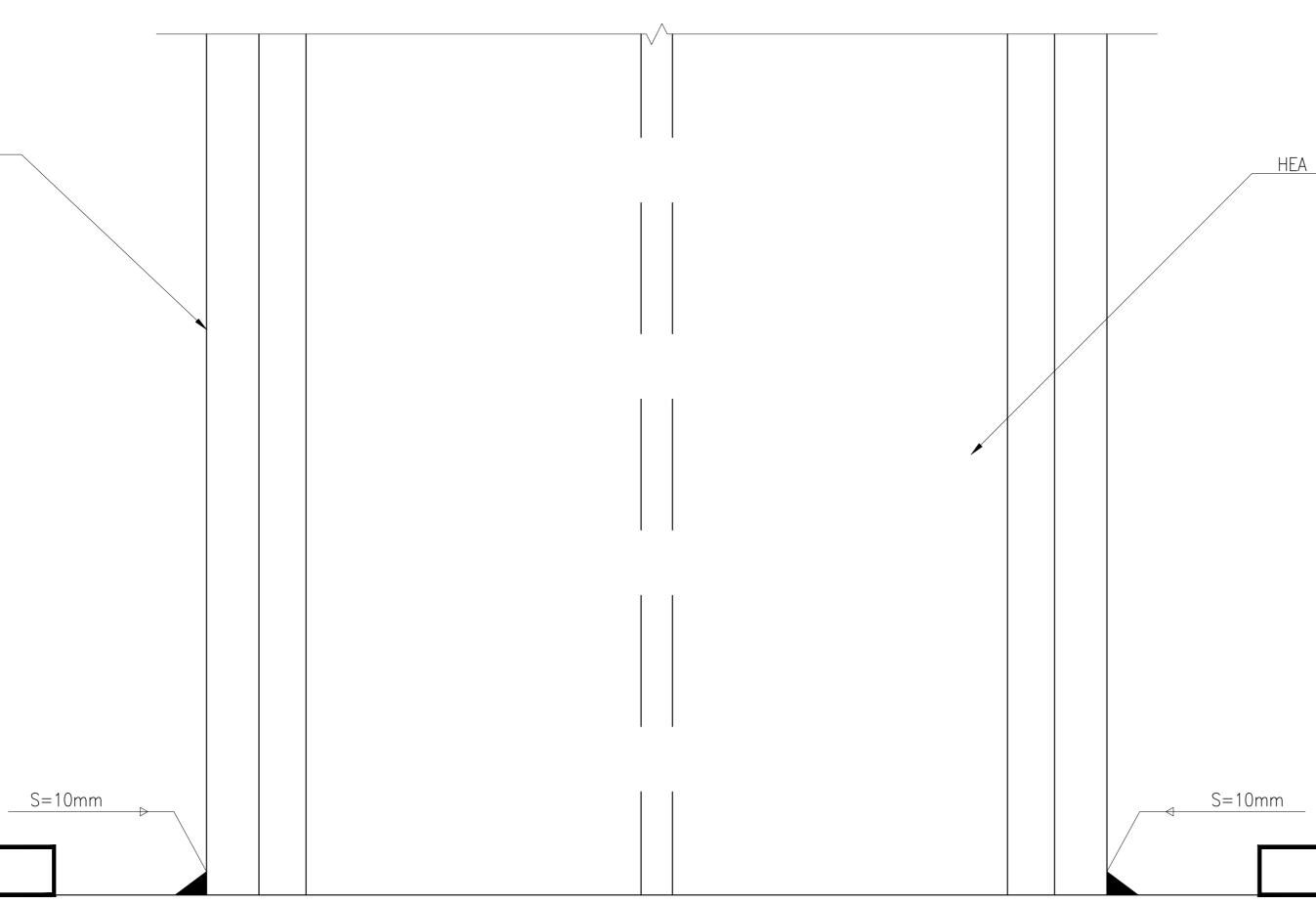
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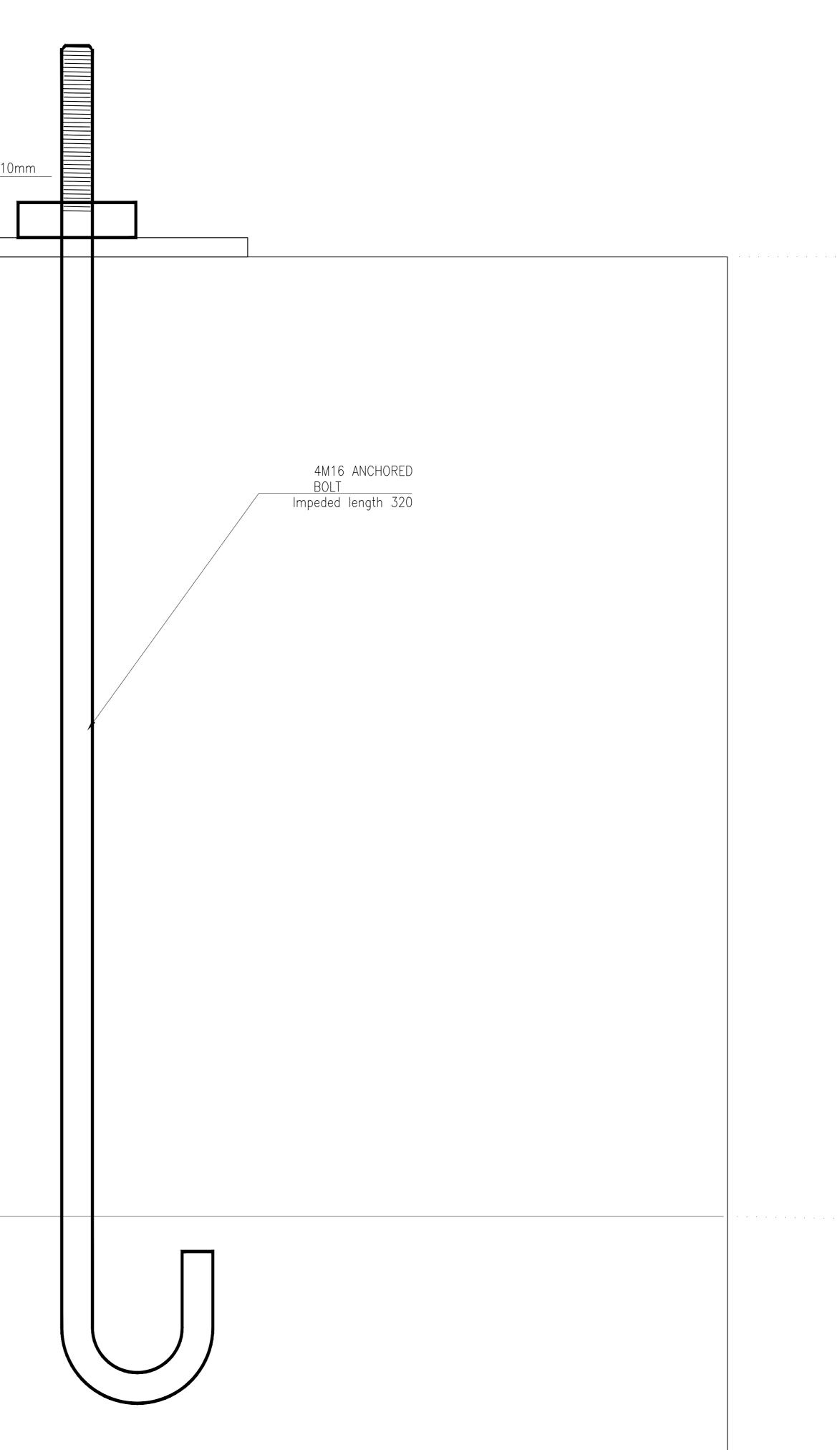




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DETAIL A SECTION SCALE 1:1

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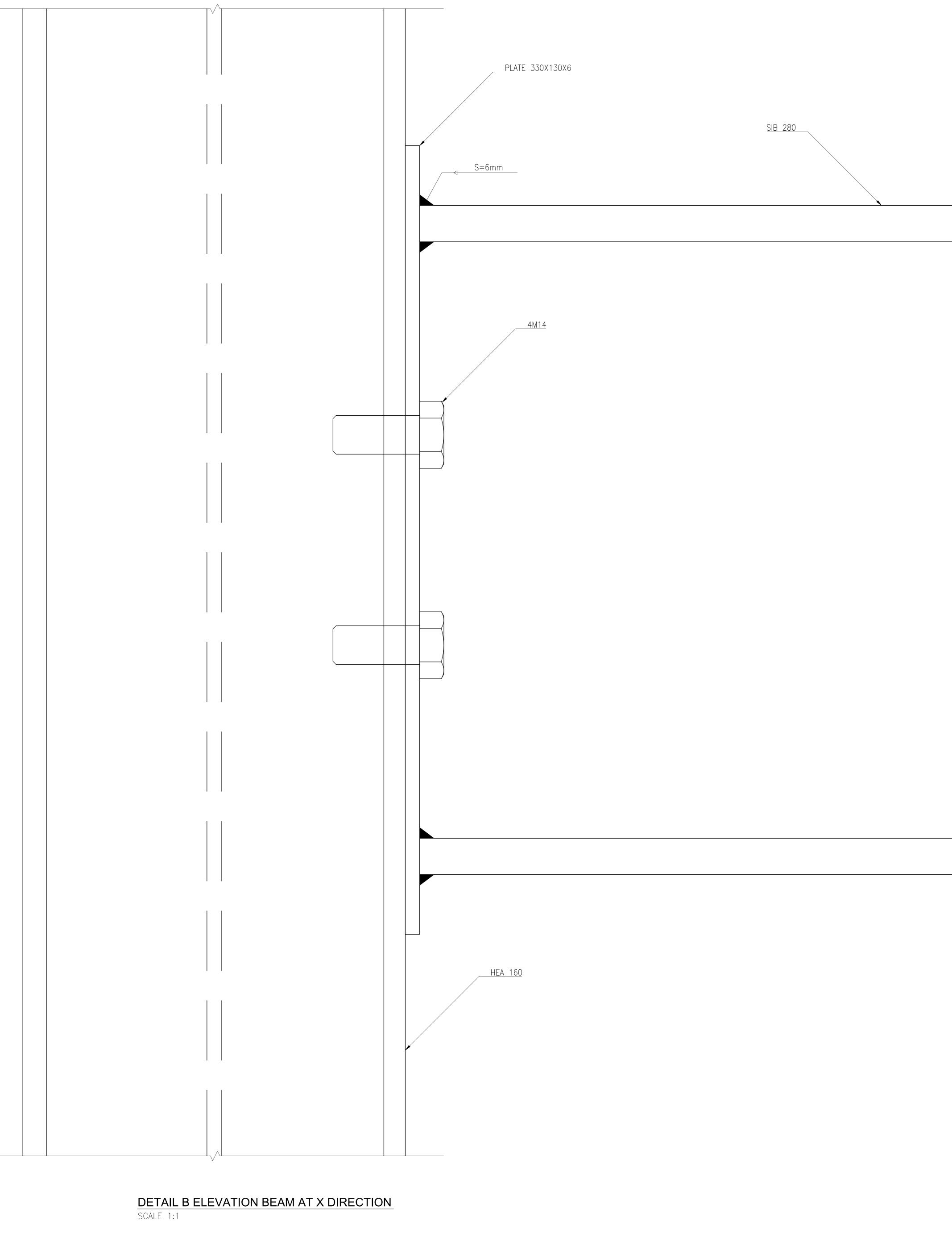
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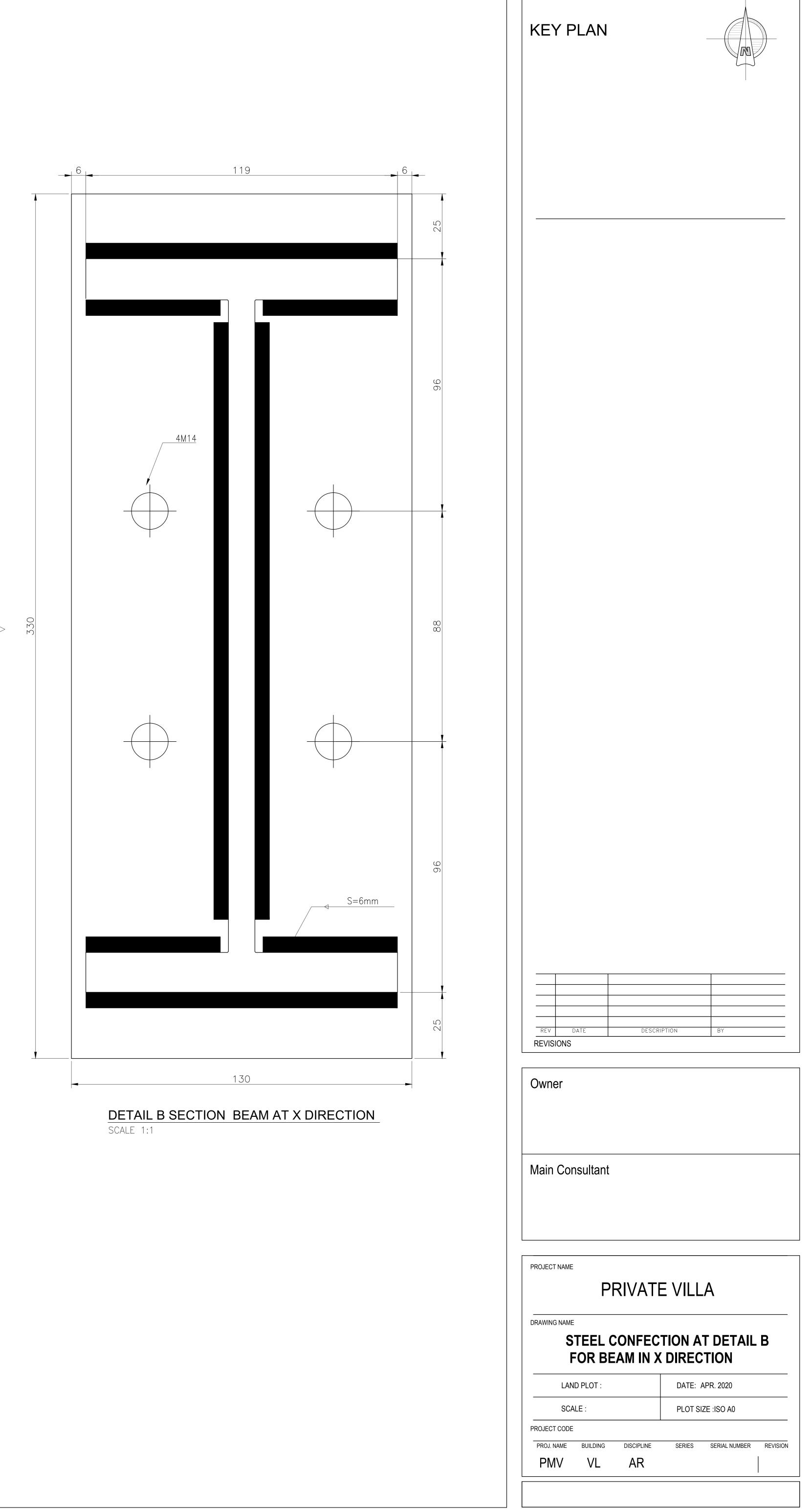
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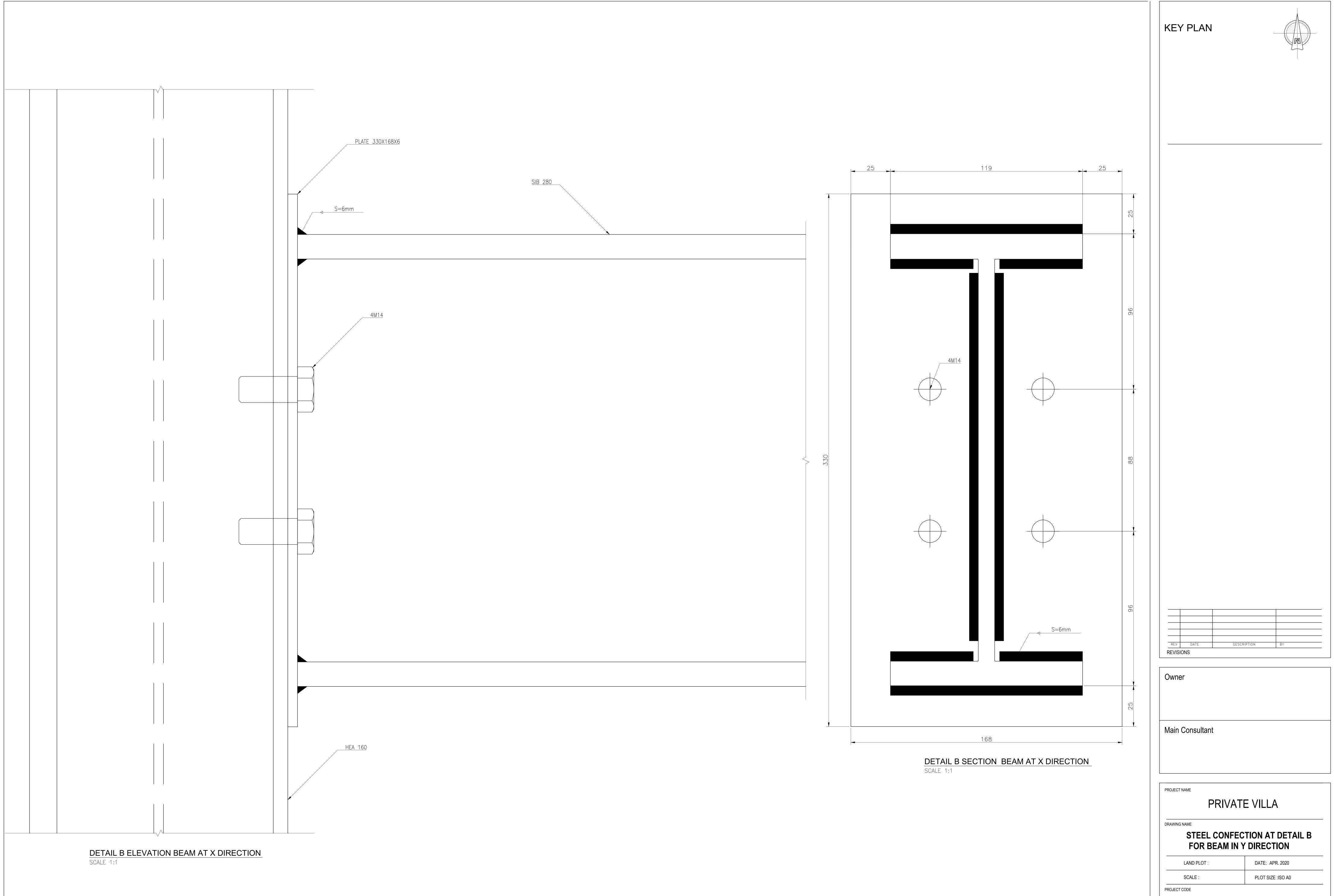
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STEEL CONFECTION AT DETAIL A SHEET 3/3

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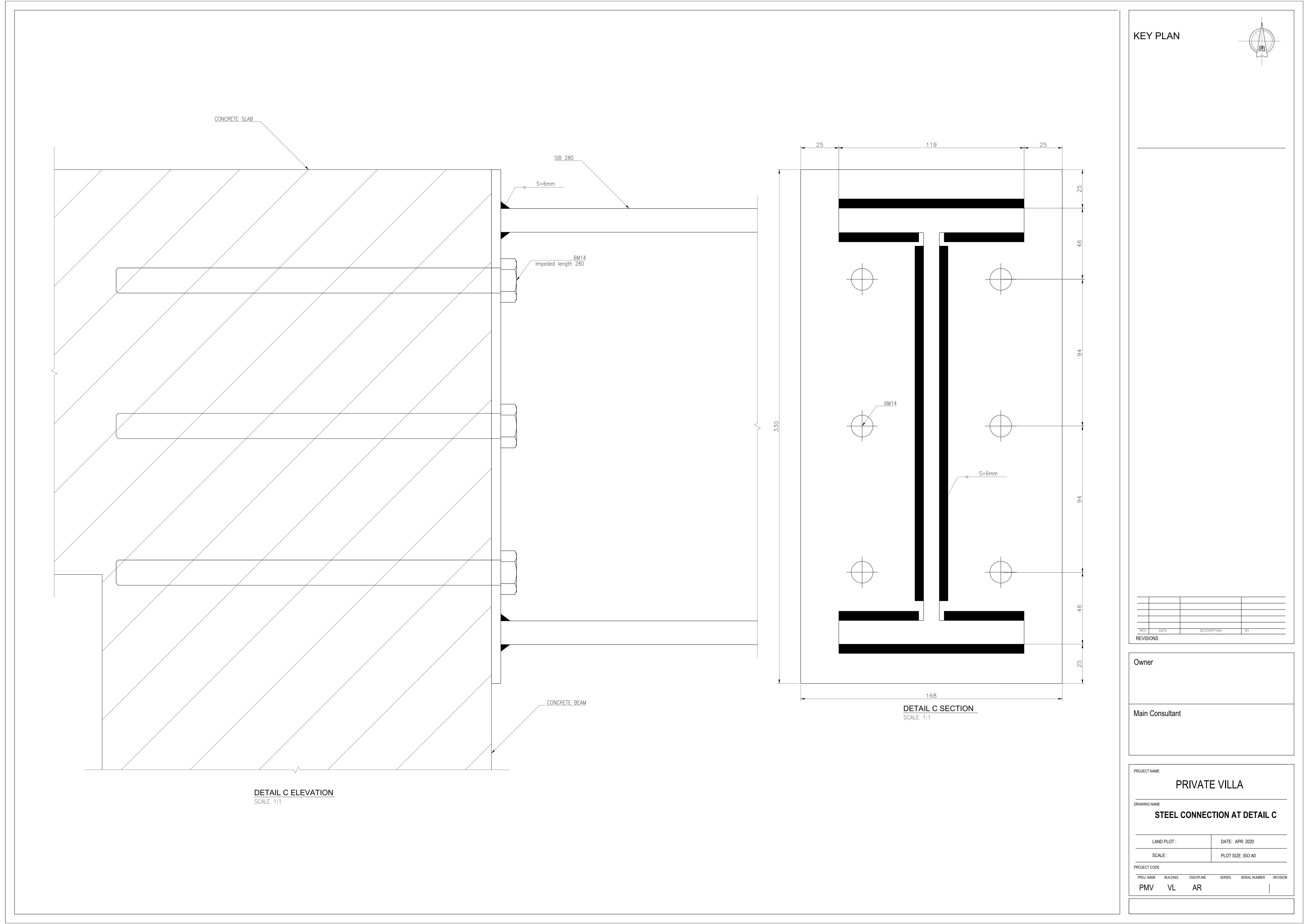


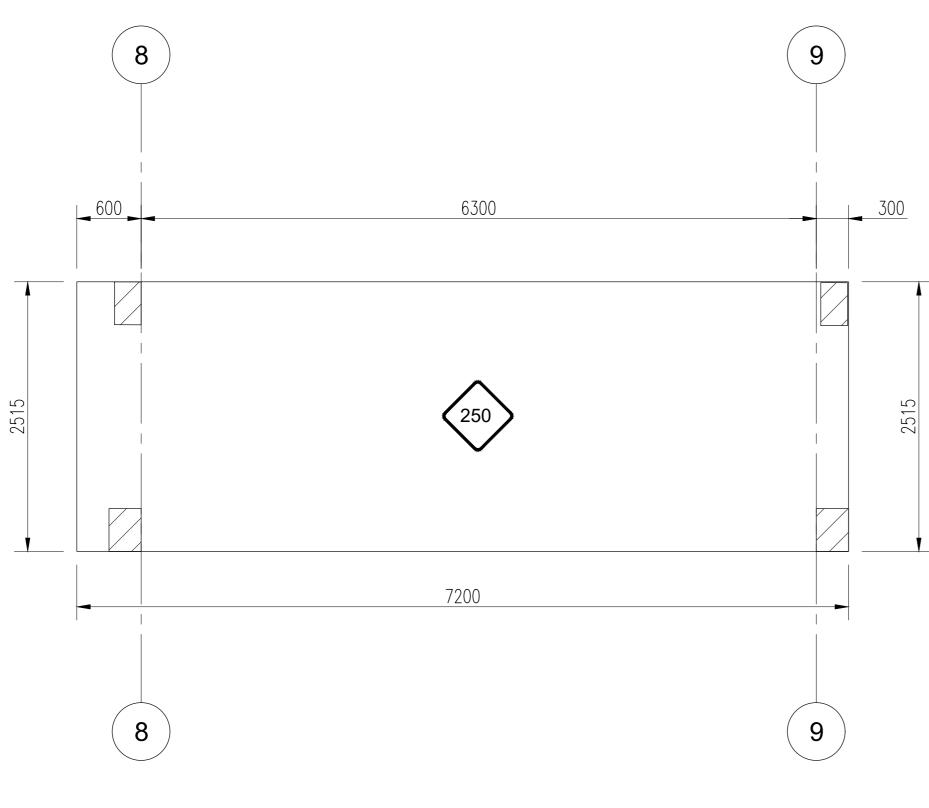




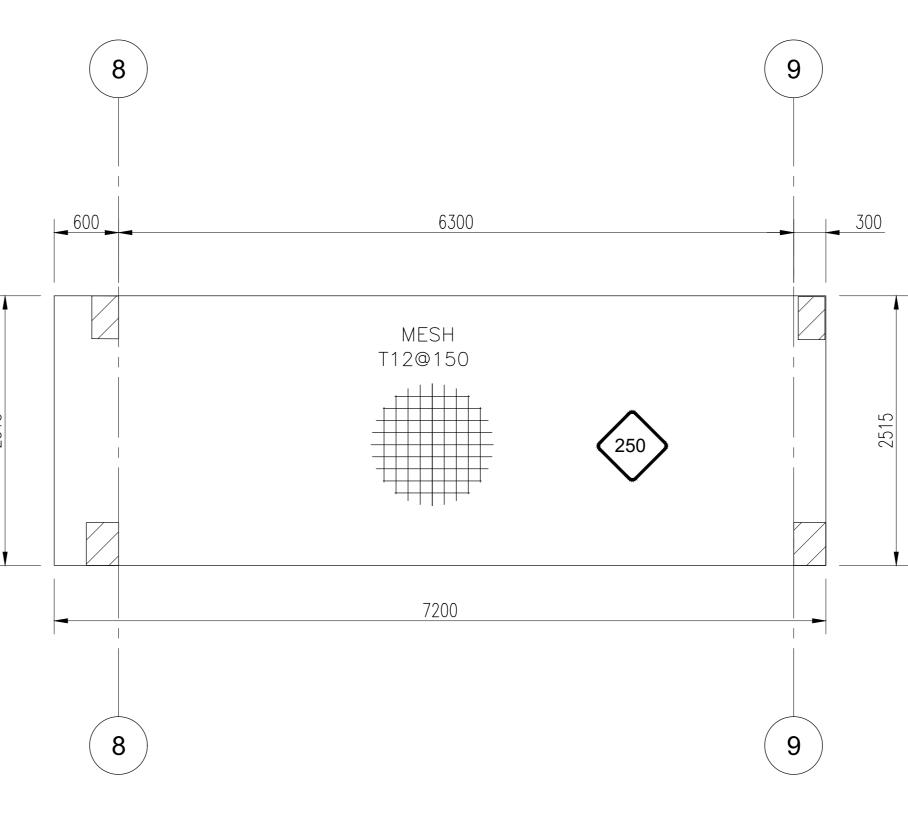
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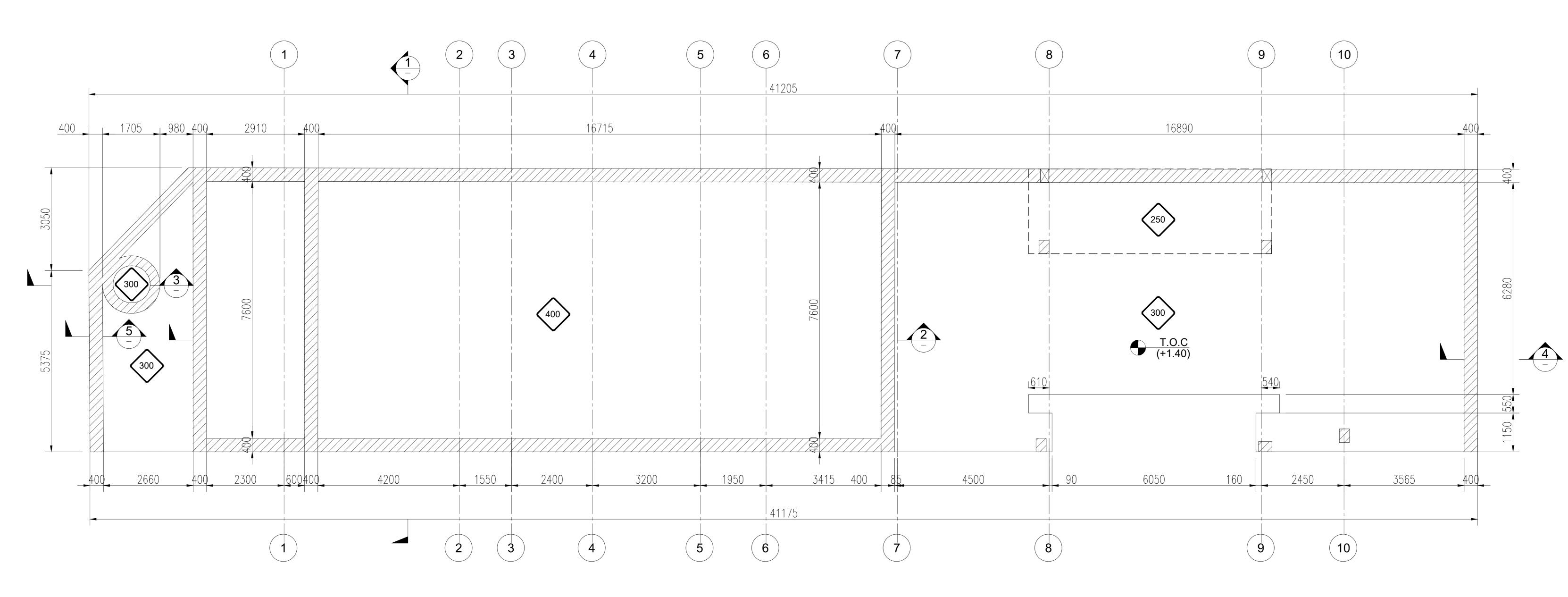






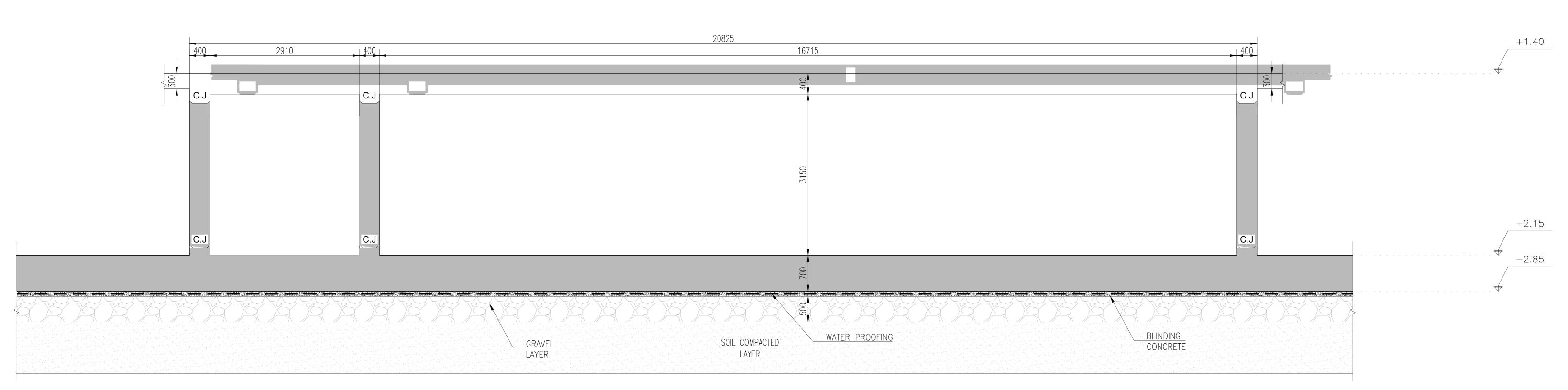


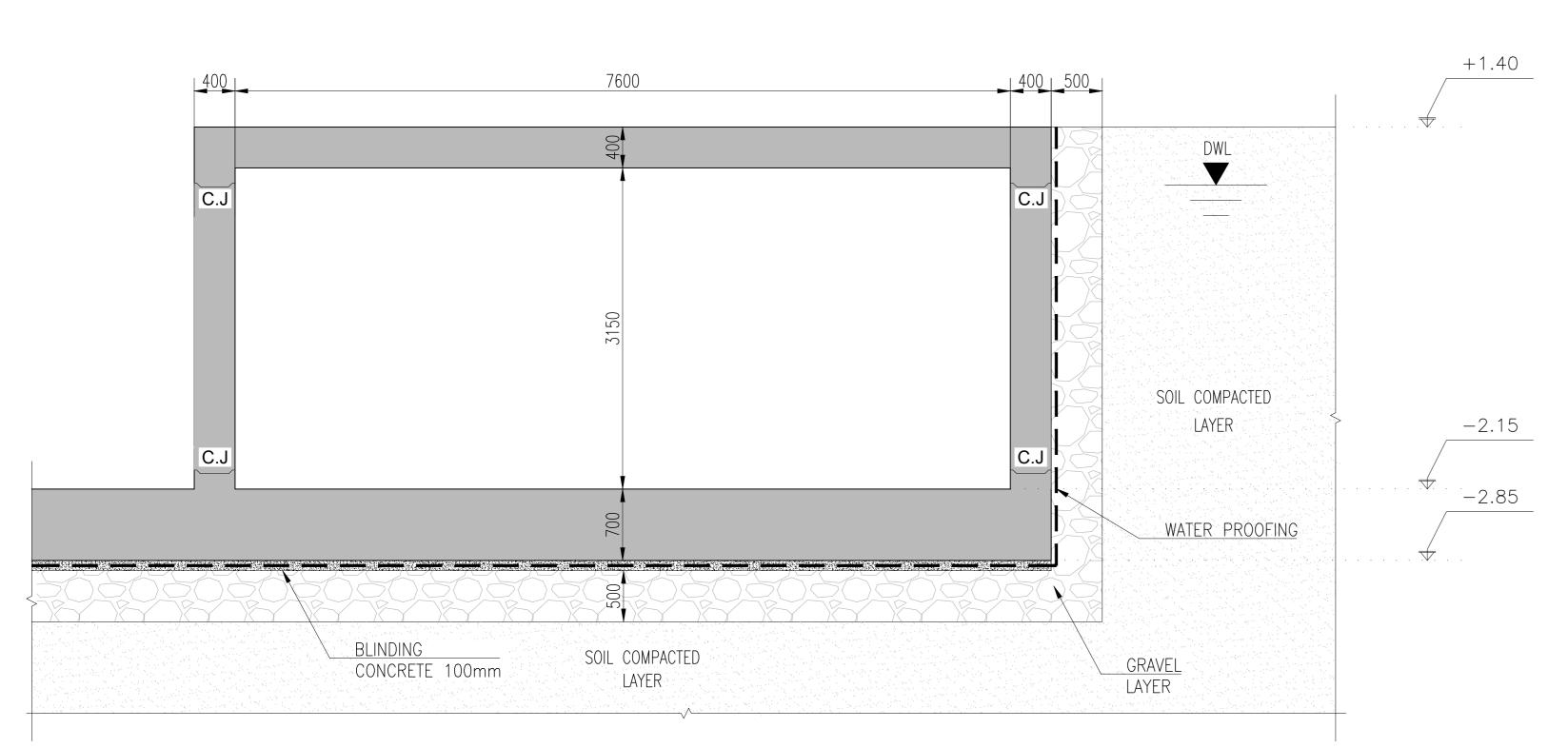
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TANK SLAB - CONCRETE DIMENSION SCALE 1:75

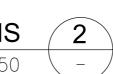
Notes of Slabs 1- Follow construction notes for columns no.(1,2,3,4,5,6). 2- Design live loads varies according to the use of each part of the building (100,300 kg/cm-according to SRC-203). 3- Concrete Blocks of specific gravity not more than 2200 kg/cm3should be used in all walls. 4- Characteristic strength of concrete is 300 Kg/cm3. 5- Concret cover is 1.5 on for slabs & 2.25 cm for beams. 6- The flat slab trinforement is T12(g)150 lower mesh and top mesh with the indicated additional reinforement. 7- The flat slab trinforement bars are concentric with oplumes unless otherwise specified. 9- The lower additional reinforement hars are concentric with spans unless otherwise specified. 10- Stirmps of beams which has width equal to 40 cm or greater should be consists of four branches. 11- Additional reinforement surrounding openings are 3T25 (top & bottom). 12-For spans exceeding 4.0 m, a camber of (0.5 cm per meters of span) should be applied. 13- for cantilevers, a camber of (0.5 cm per meters of span) should be applied. 14- The lower additional reinforement bars are denoted by			
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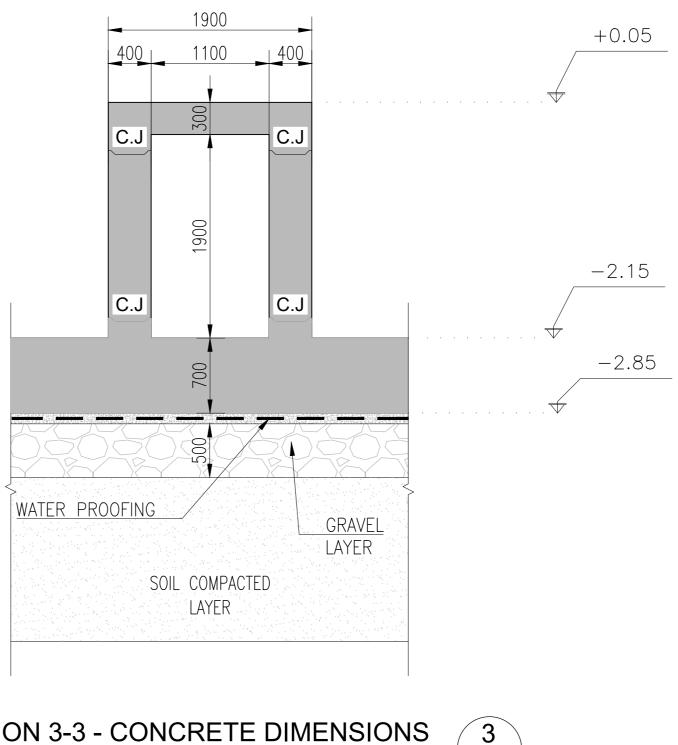




SECTION 1-1 - CONCRETE DIMENSIONS 1 SCALE 1:50 -

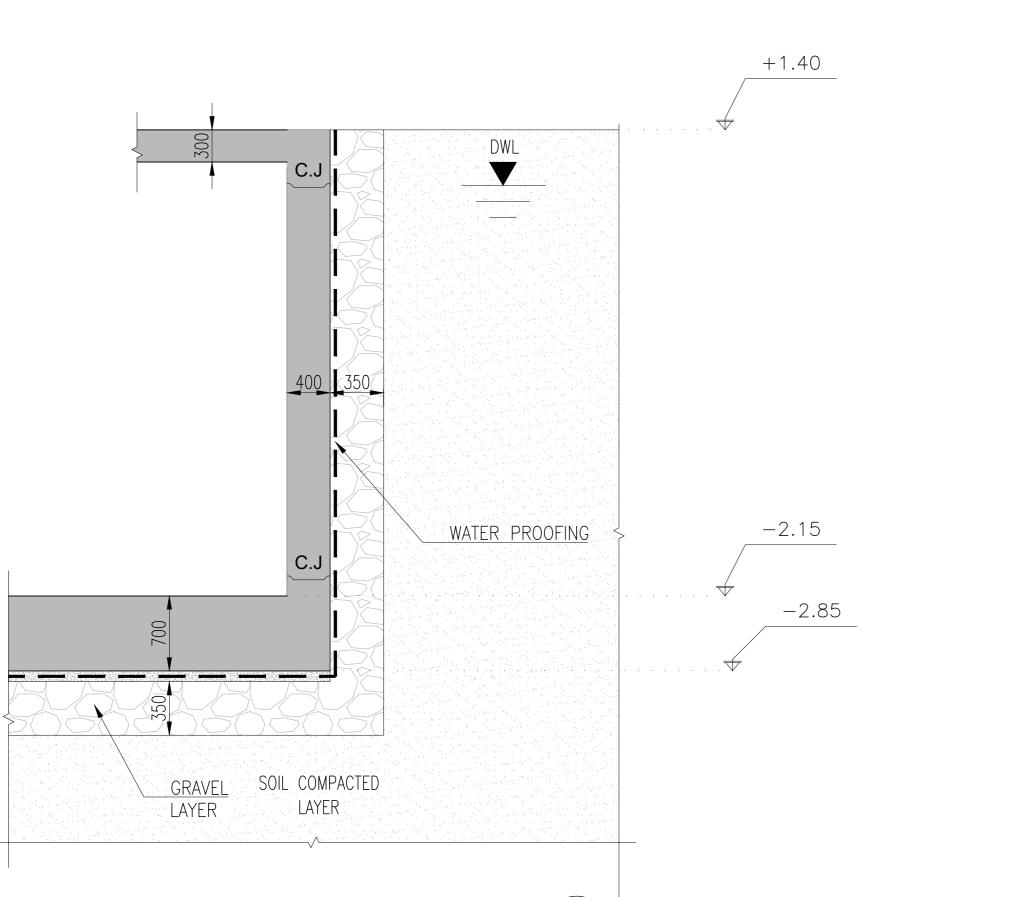


SECTION 2-2 - CONCRETE DIMENSIONS 2 SCALE 1:50 -

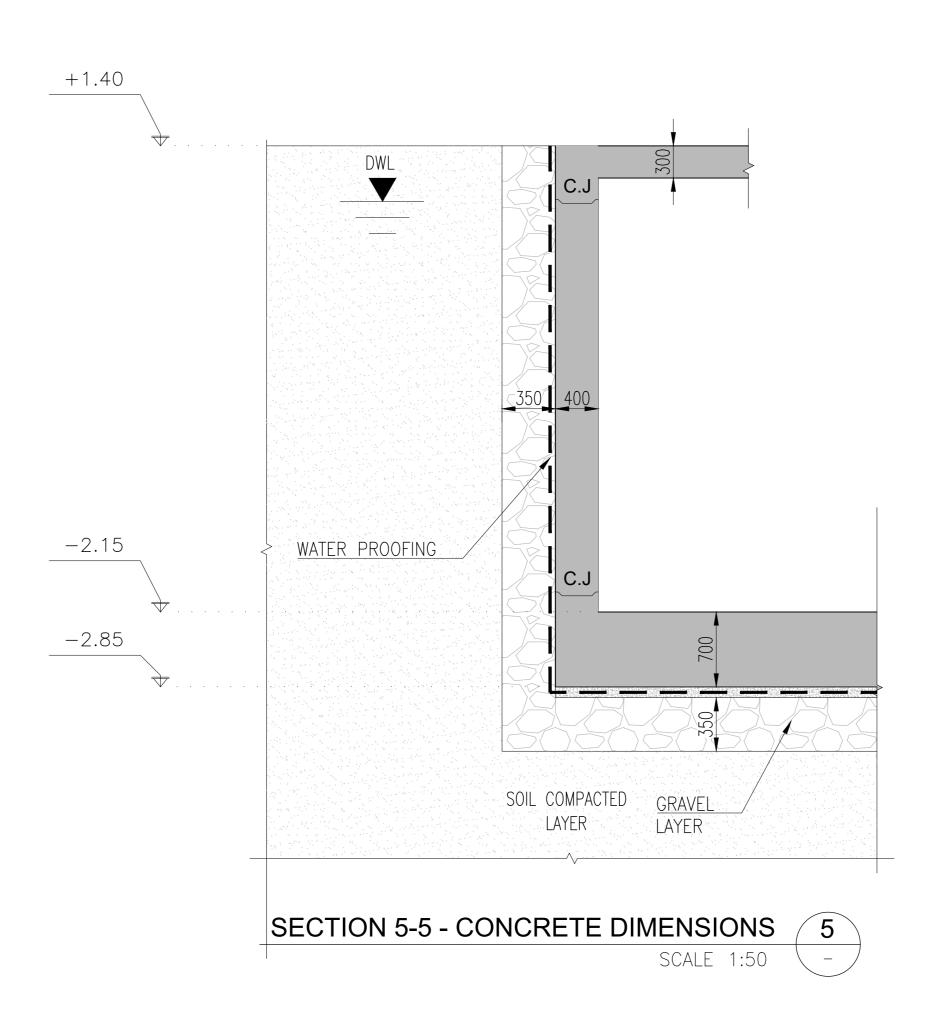




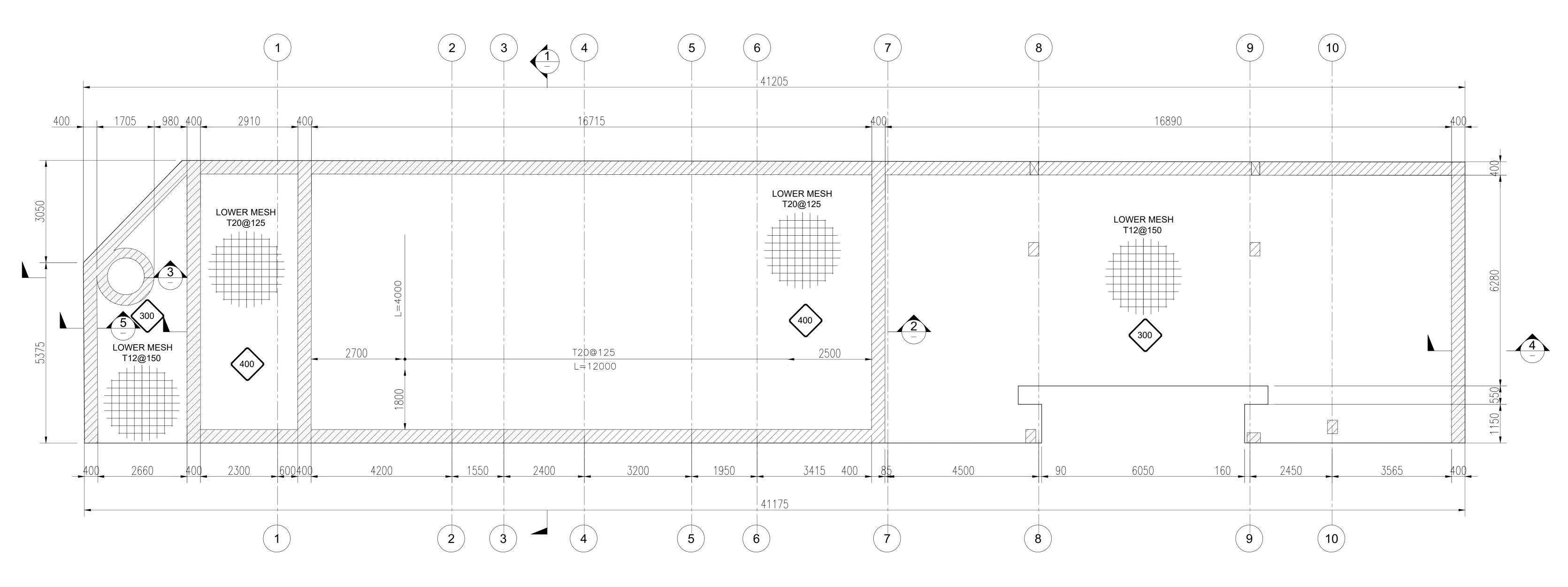
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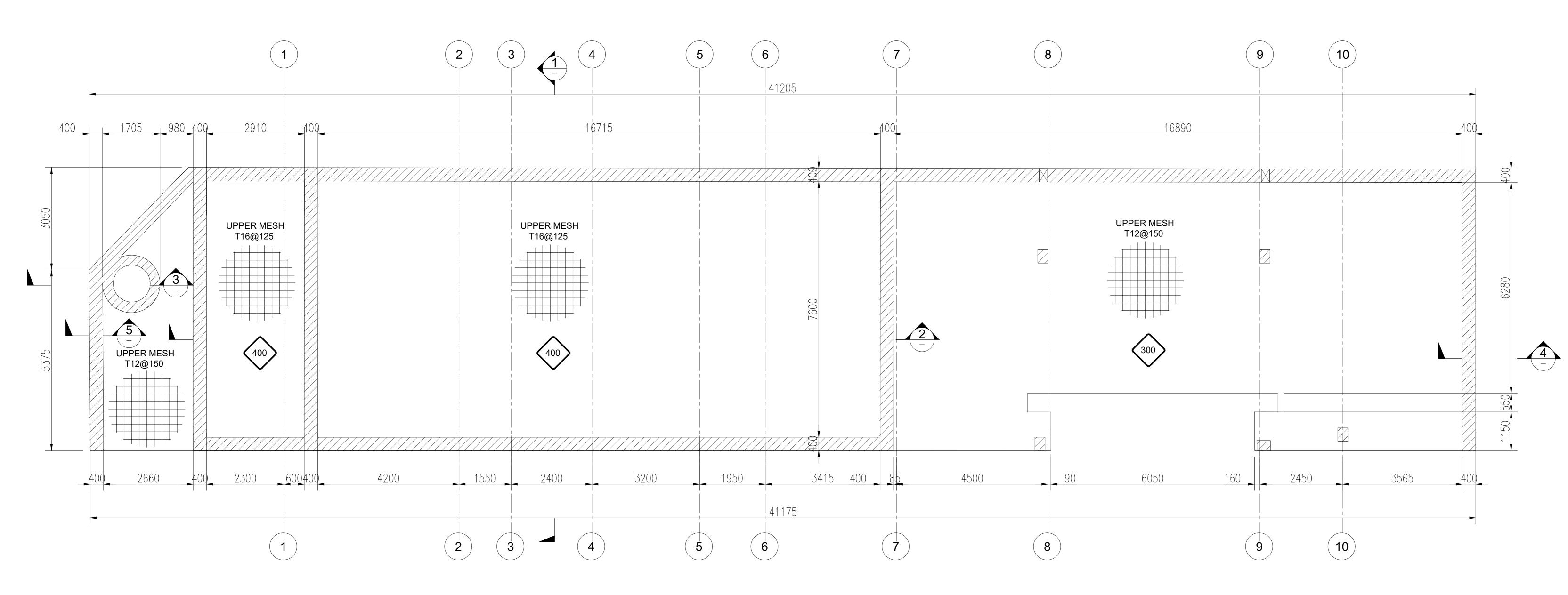


SECTION 4-4 - CONCRETE DIMENSIONS 4 SCALE 1:50 -



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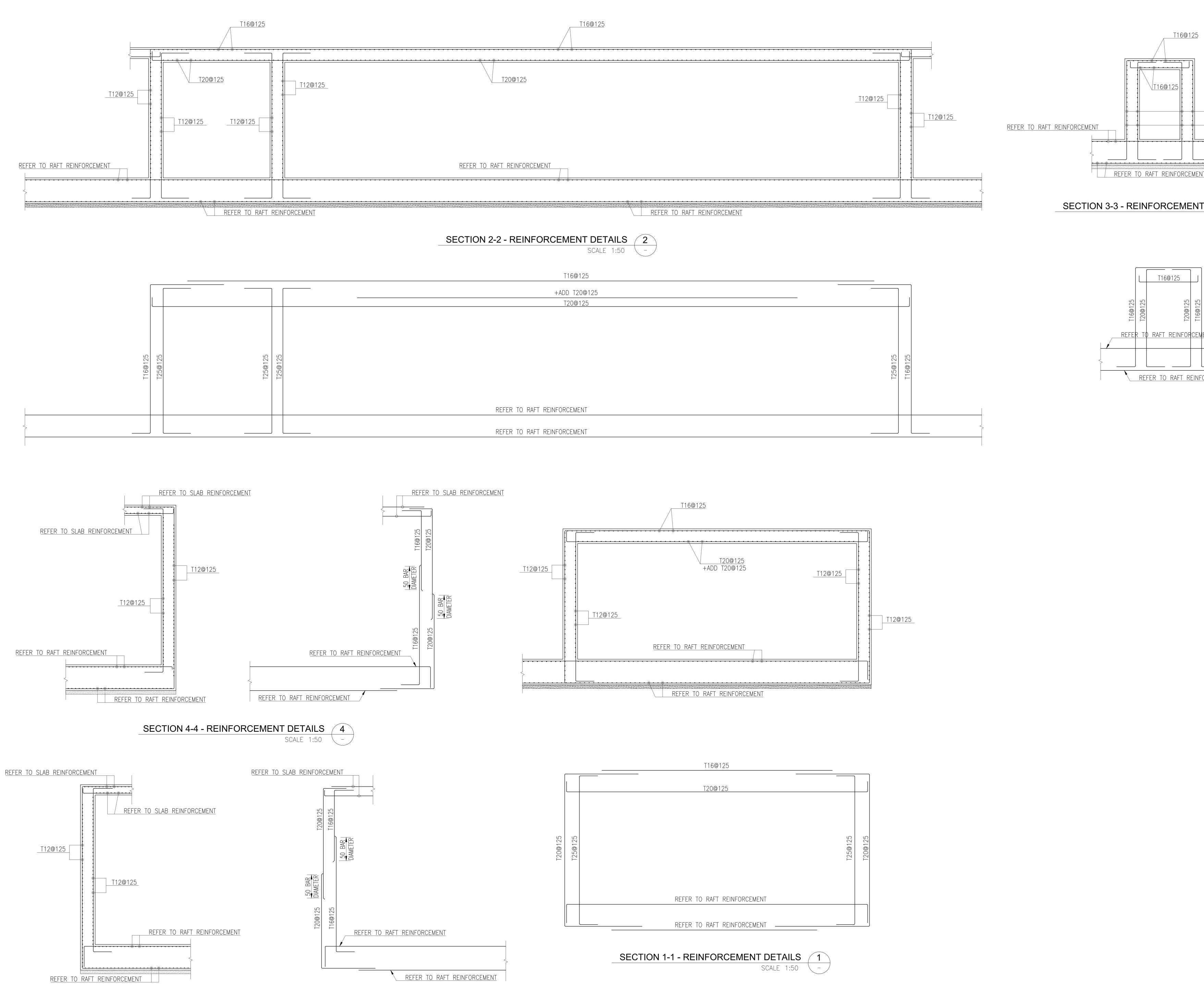




TANK SLAB - LOWER MESH REINFORCEMENT DETAILS SCALE 1:75

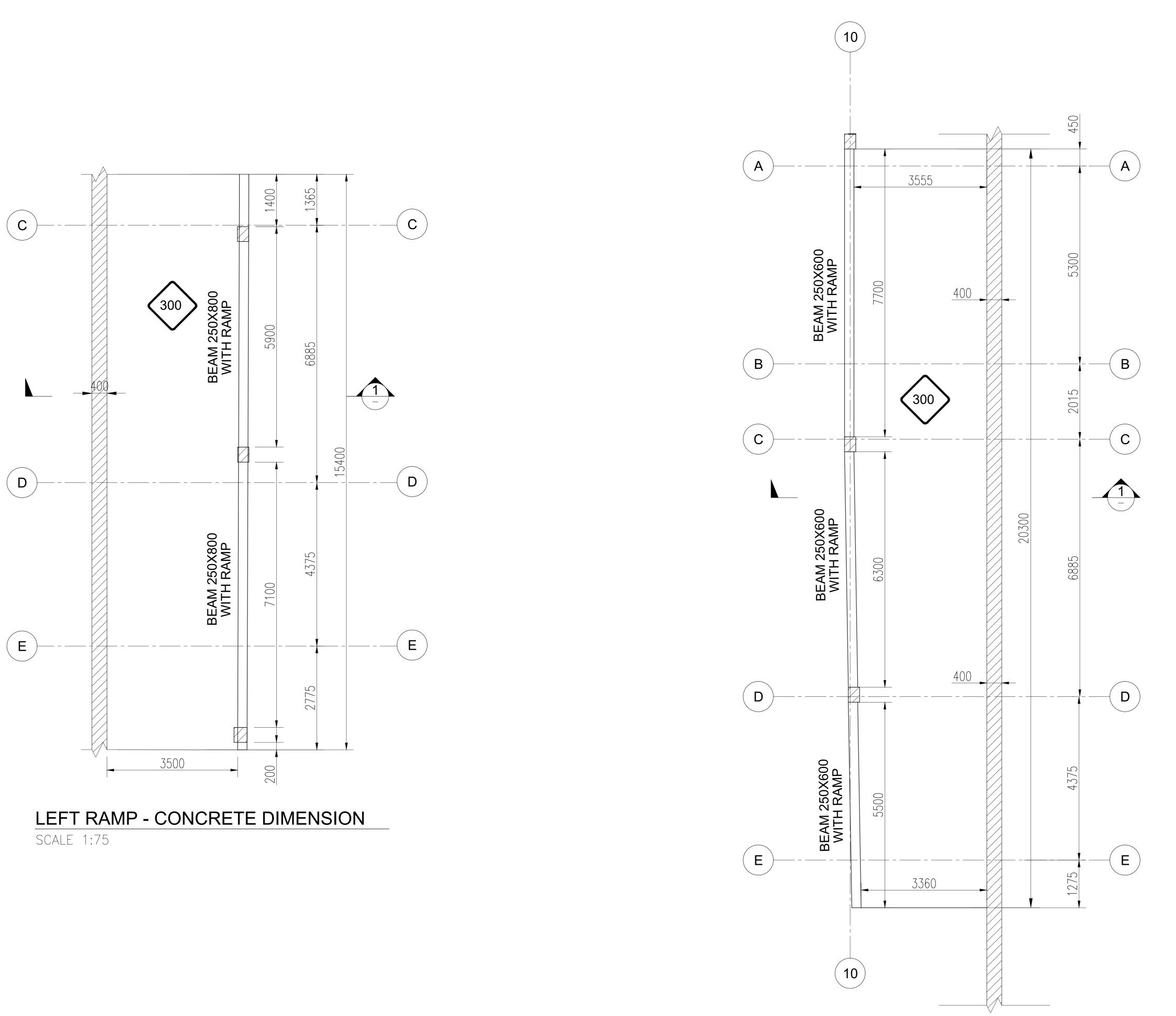
TANK SLAB - UPPER MESH REINFORCEMENT DETAILS SCALE 1:75

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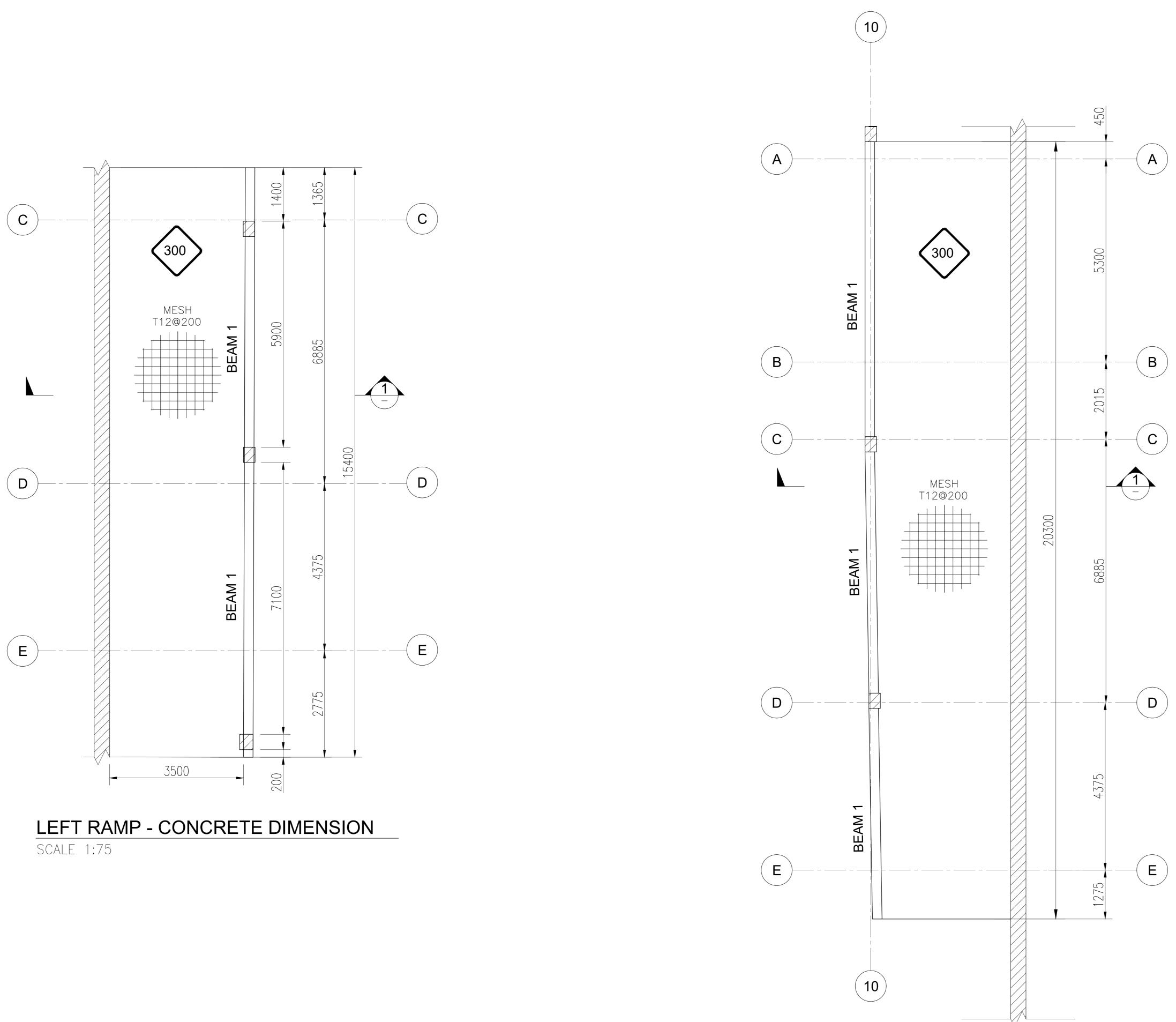
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T DETAILS 3 SCALE 1:50		
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SCALE 1:75

RIGHT RAMP - CONCRETE DIMENSION

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13-For cantilevers, a ca	f span) should be applied . mber of (0.5 cm per meters of span)
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Upper & Lower	be surrounded by Dowels 3 T 25
16- The hatched areas' l rest of the slab.	evel are 10 cm lower than the
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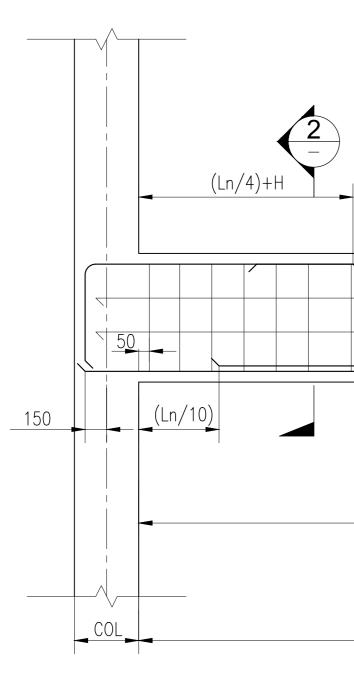


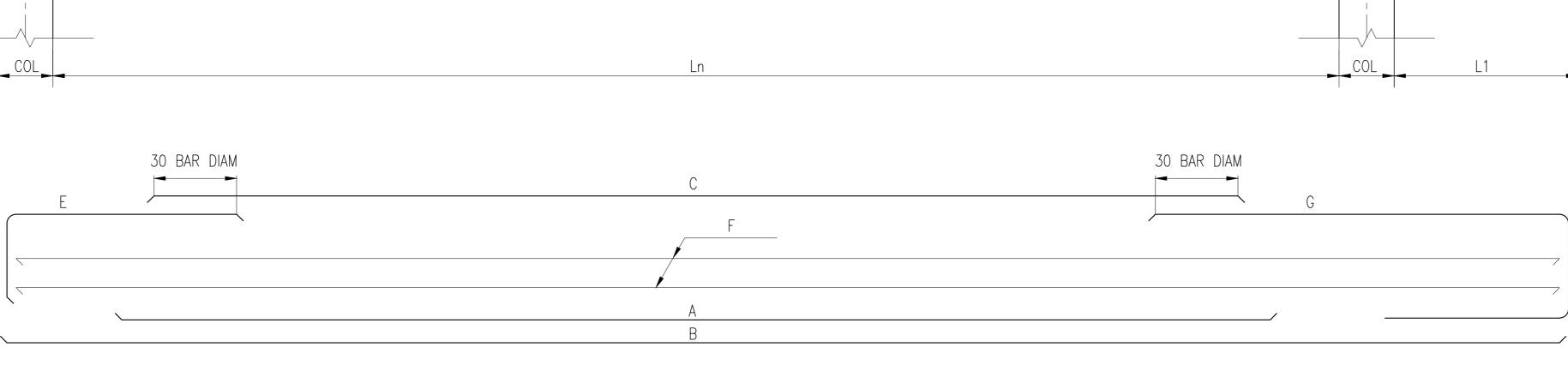
RIGHT RAMP - CONCRETE DIMENSION

SCALE 1:75

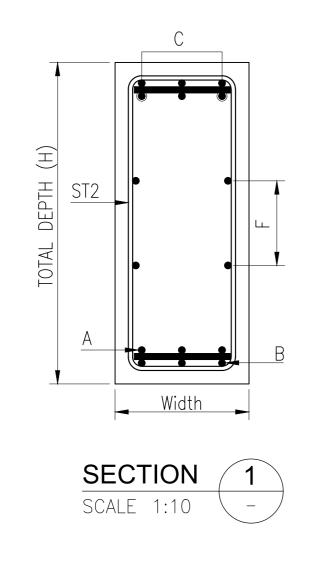
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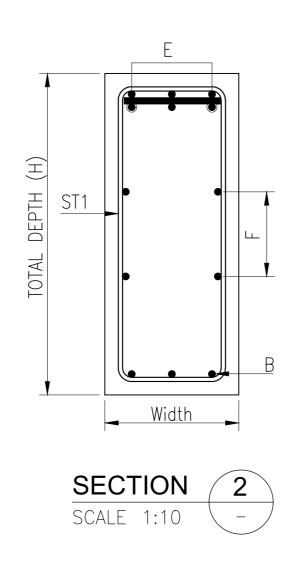


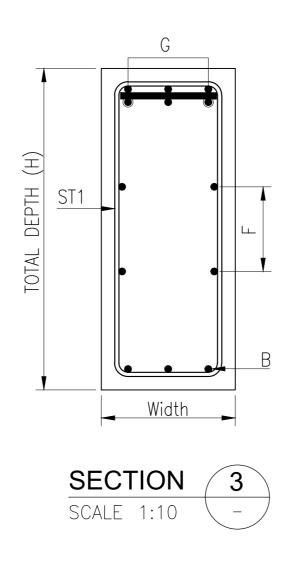


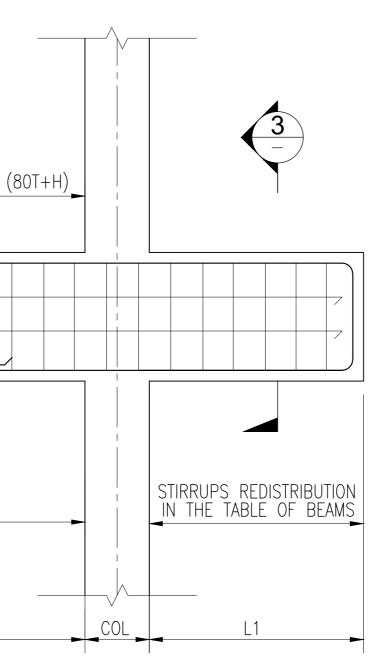
STIRRUPS REDISTRIBUTION IN THE TABLE OF BEAMS



TYPICAL BEAM ELEVATION SINGEL SPAN DETAILS SCALE 1:25







KEY PLAN	
 2- Design live loads of the building (1 3- Concrete Blocks of 2200 Kg/cm3shou 4- Characteristic street 	on notes for columns no.(1,2,3,4,5,6). varies according to the use of each par 00,300 kg/cm-according to SBC-203). of specific gravity not more than ald be used in all walls. ength of concrete is 300 Kg/cm2
 5- Concrete cover is 6- The flat slab thick 7- The flat slab reinf top mesh with the 8- The top additiona with columns unl 	cement content of 350 Kg/m3. 1.5 cm for slabs & 2.5 cm for beams. teness is to be taken as indicated in plan forcement is T12@150 lower mesh and e indicated additional reinforcement. I reinforcement bars are concentric ess otherwise specified. nal reinforcement bars are concentric
10- Stirrups of beams	otherwise specified . s which has width equal to 40 cm or
2	consists of four branches . recement surrounding openings are 3T2
(top & bottom)	
(0.5 cm per meters	s of span) should be applied .
13-For cantilevers, a should be applied	a camber of (0.5 cm per meters of span)
	onal reinforcement bars are denoted by The upper additional reinforcement bars
are denoted by -	
Upper & Lower	nd be suffounded by Dowers 5 1 25
	s' level are 10 cm lower than the
	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area	hs' level are 10 cm lower than the
16- The hatched area	hs' level are 10 cm lower than the
16- The hatched area rest of the slab .	
16- The hatched area	as' level are 10 cm lower than the
16- The hatched area rest of the slab .	
16- The hatched area rest of the slab .	
16- The hatched area rest of the slab .	
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16- The hatched area rest of the slab .	
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