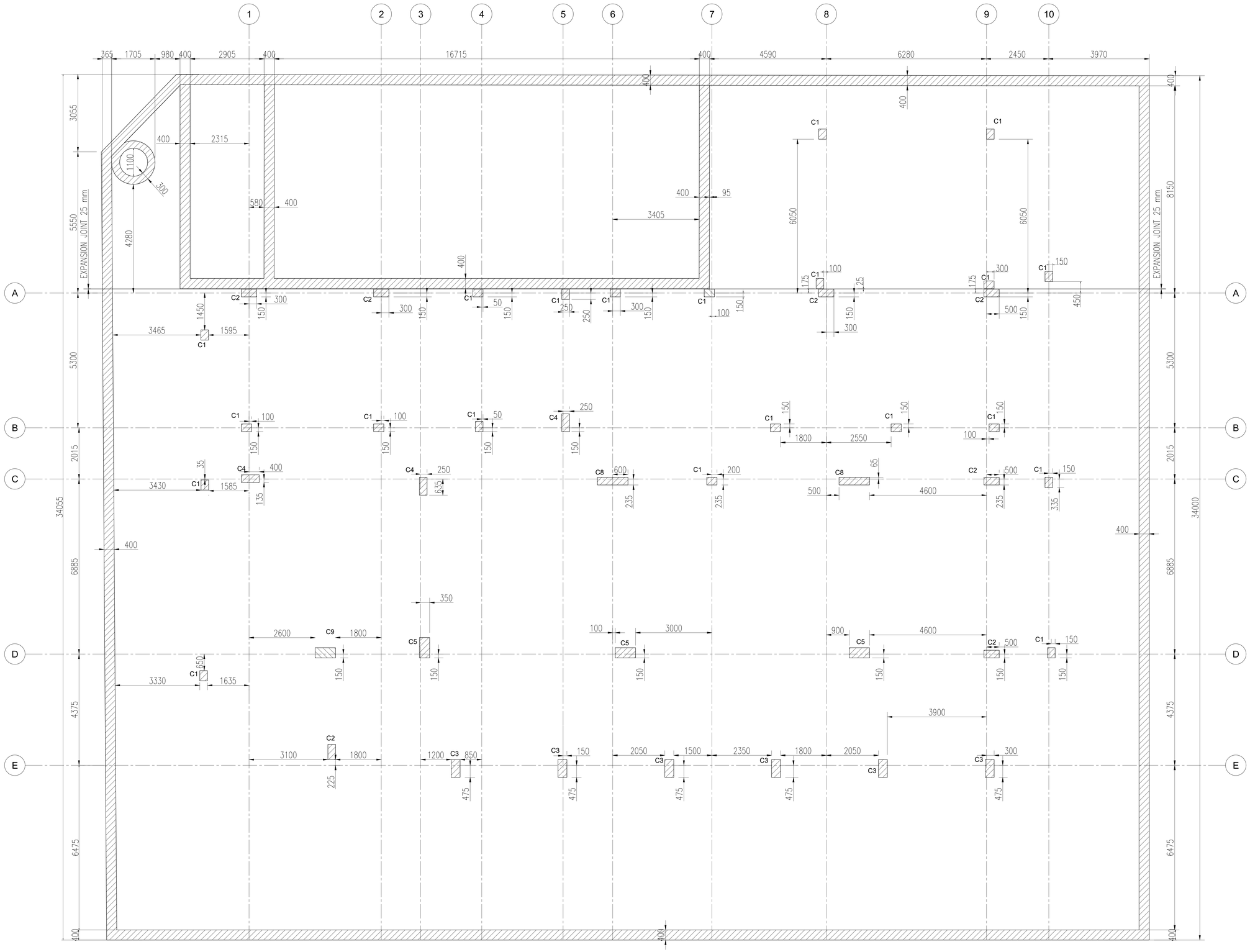


AXSEIS AND COLUMNS AT BASMENT LEVEL

SCALE 1:75

KEY PLAN

Notes of Columns

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

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

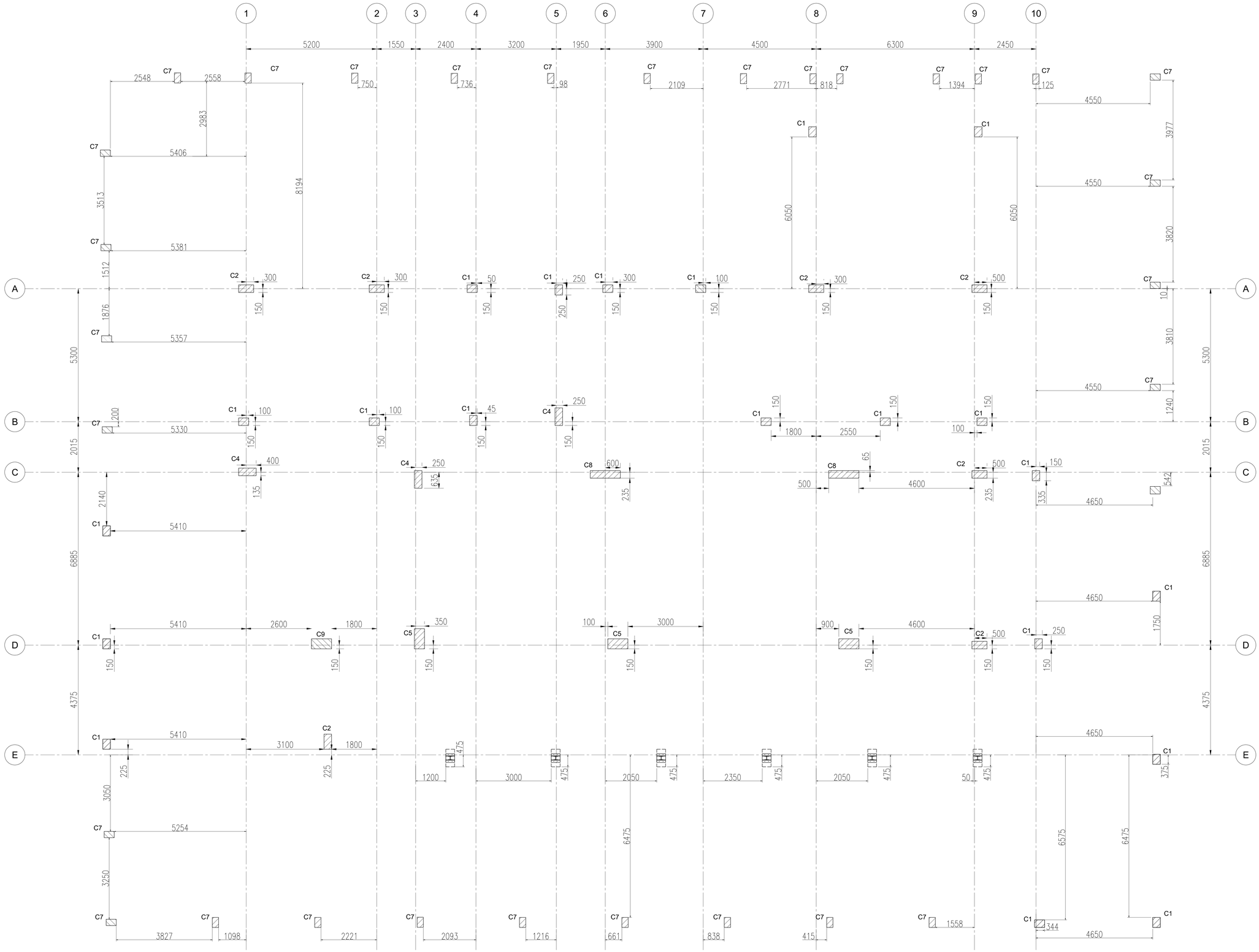
DRAWING NAME

COLUMNS LAYOUT AT BASMENT LEVEL

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



AXSEIS AND COLUMNS AT GROUND LEVEL

SCALE 1:75

KEY PLAN

Notes of Columns

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

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

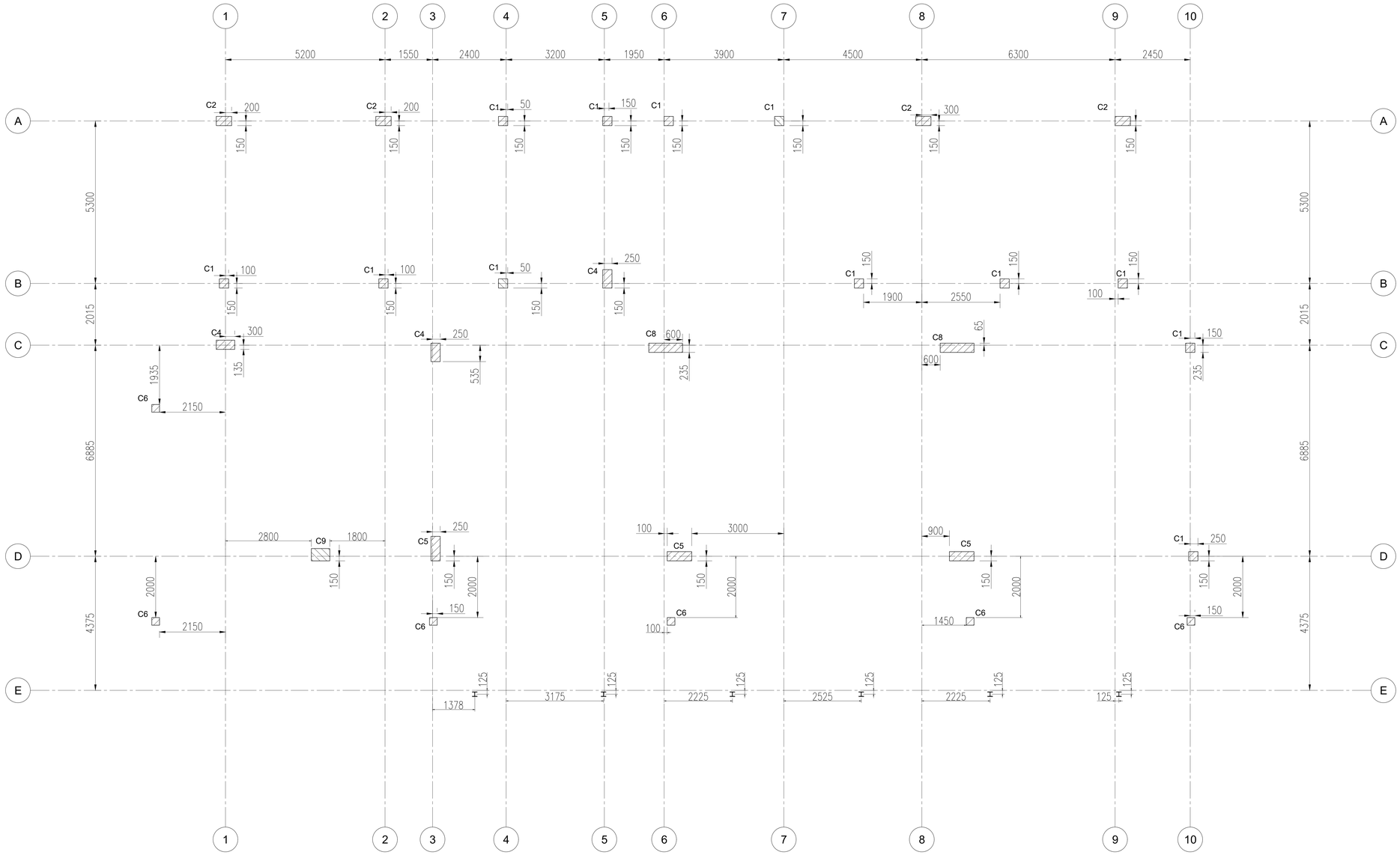
DRAWING NAME

COLUMNS LAYOUT AT GROUND FLOOR

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



AXSEIS AND COLUMNS AT FIRST FLOOR LEVEL

SCALE 1:75

KEY PLAN

Notes of Columns

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

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

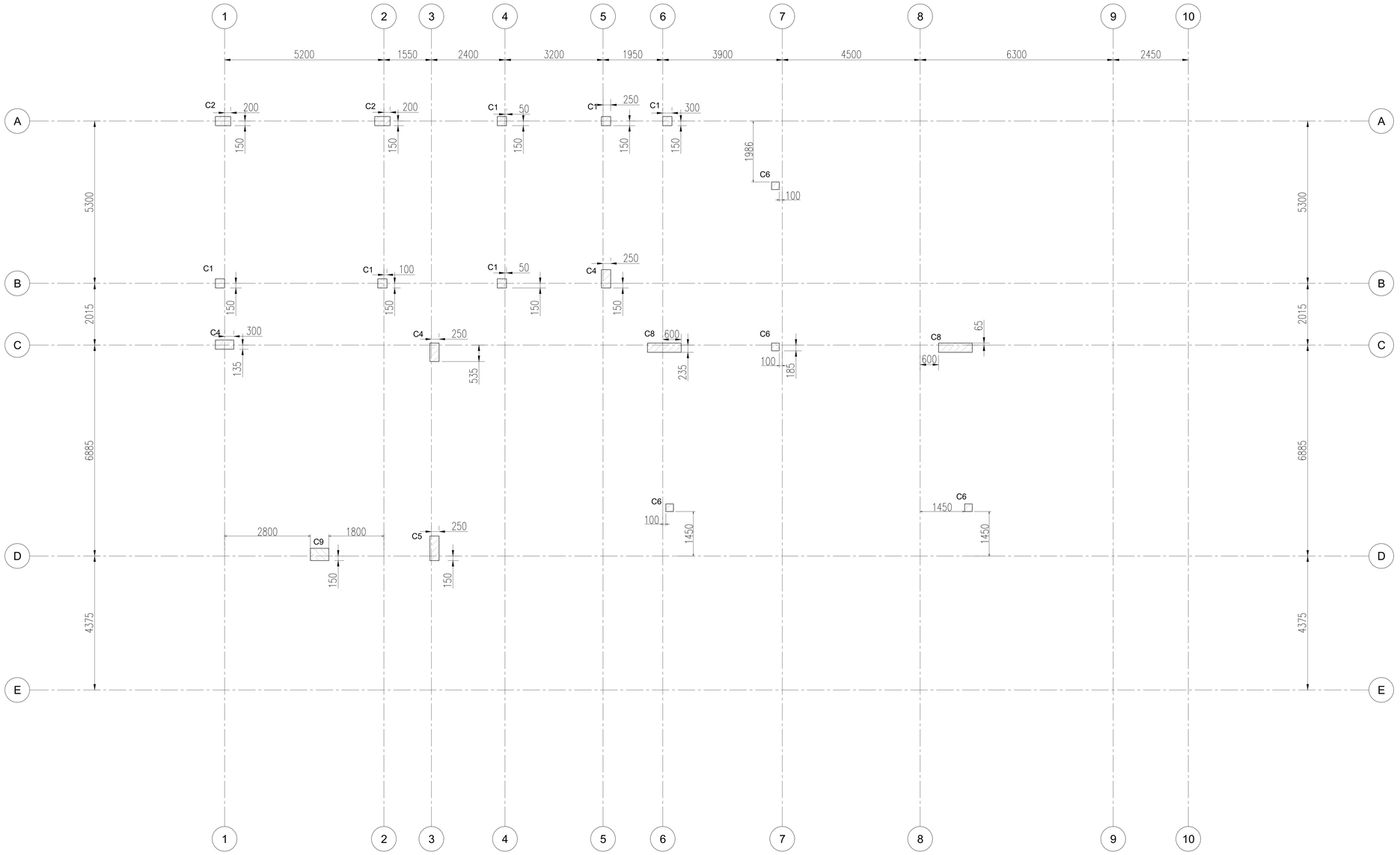
DRAWING NAME

COLUMNS LAYOUT AT FIRST FLOOR

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



AXSEIS AND COLUMNS AT SECOND FLOOR LEVEL

SCALE 1:75

KEY PLAN

Notes of Columns

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

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

DRAWING NAME

COLUMNS LAYOUT AT SECOND FLOOR

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

TABLE OF Columns

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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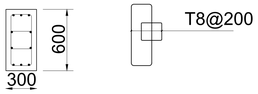
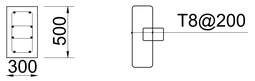
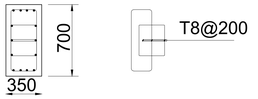
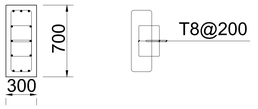
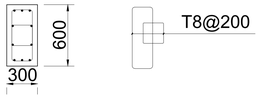
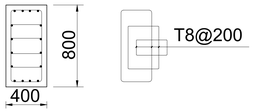
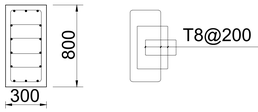
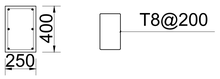
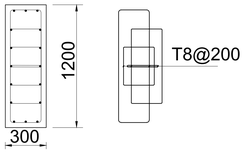
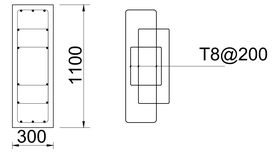
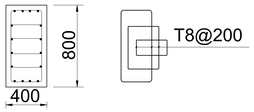
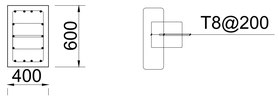
C2	300X600	10T16		300X500	8T16	
C3	350X700	14T16		———	———	
C4	300X700	12T20		300X600	10T20	
C5	400X800	16T20		300X800	14T20	
C6	———	———	———	250X250	4T16	
POST COLUMN C7	250x400	6T12		———	———	———
C8	300X1200	16T20		300X1100	14T20	
C9	400X800	16T20		400X600	14T20	

KEY PLAN

Notes of Columns

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

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

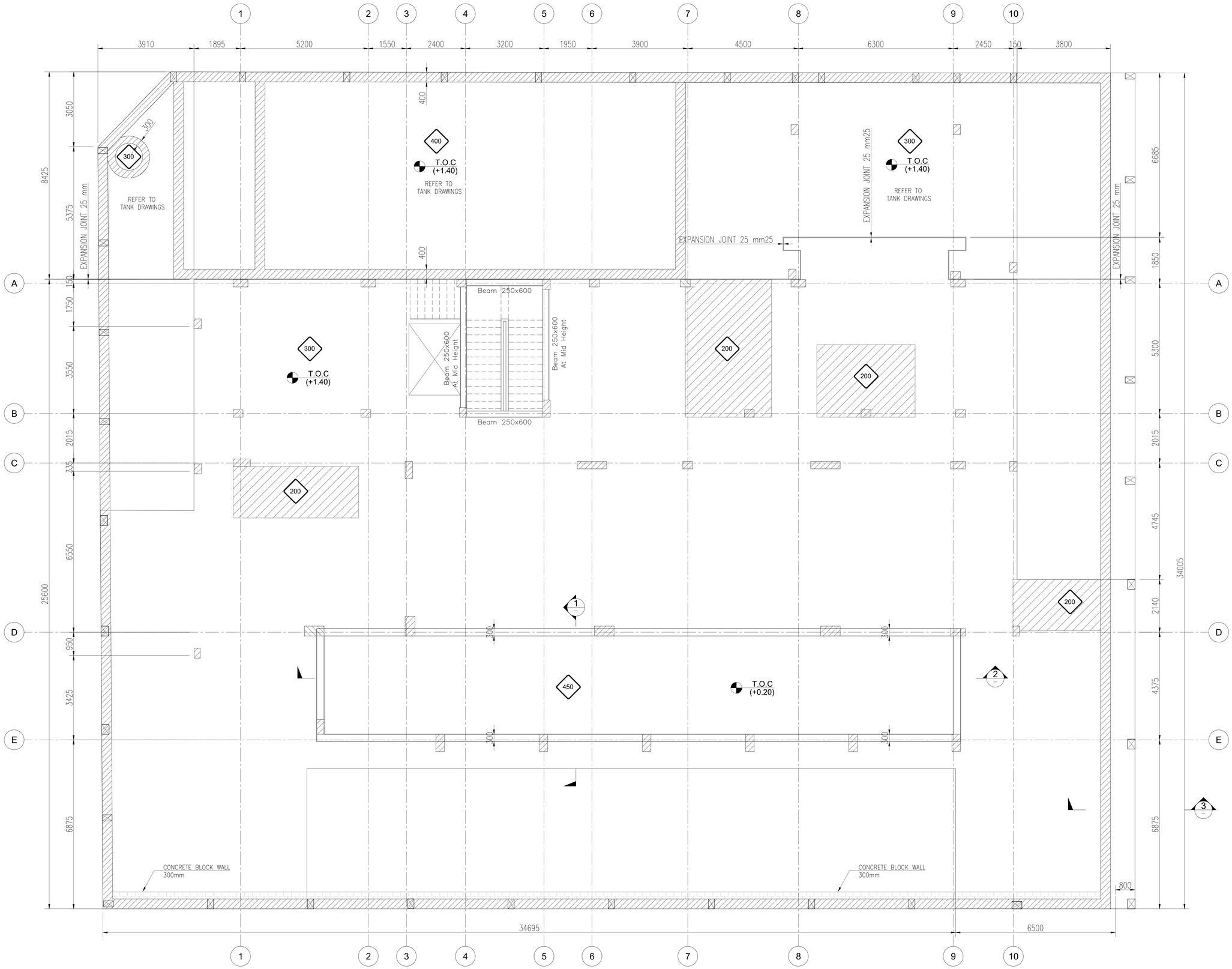
DRAWING NAME

TABLE OF COLUMNS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



BASMENT FLOOR SLAB - CONCRETE DIMENSION

SCALE 1:75

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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

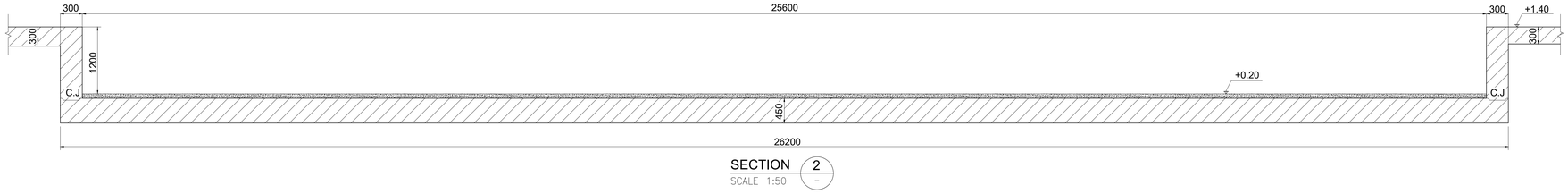
DRAWING NAME

BASEMENT SLAB
CONCRETE DIMENSION SHEET 1/2

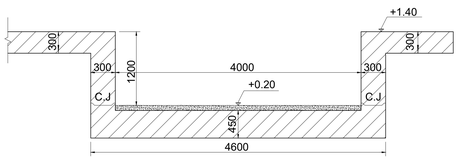
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

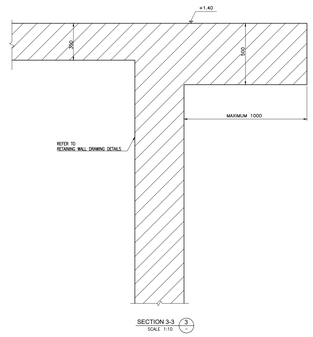
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECTION 2
SCALE 1:50



SECTION 1
SCALE 1:50



SECTION 3-3
SCALE 1:10

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 _____ 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 .

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

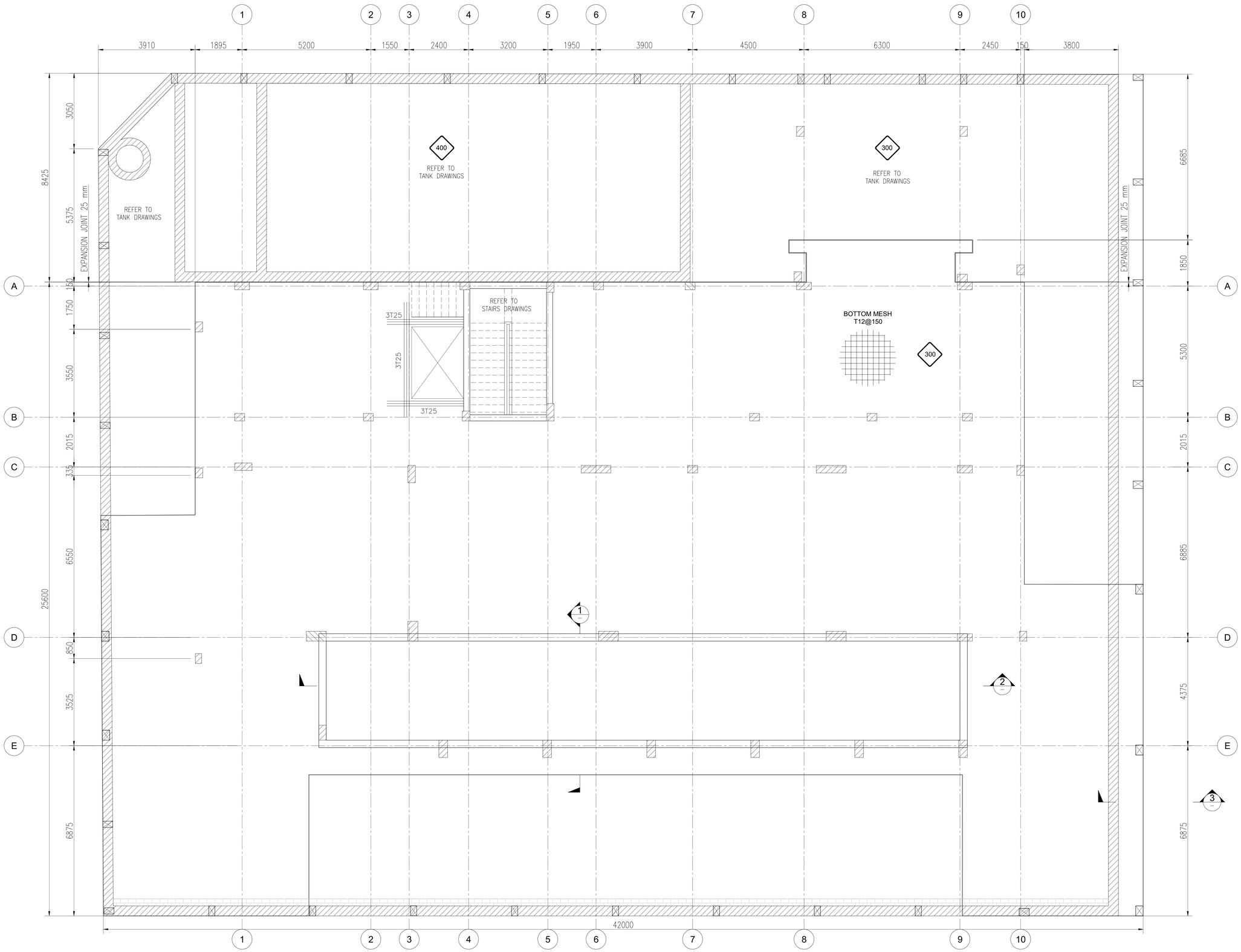
DRAWING NAME

BASMENT LEVEL
CONCRETE DIMENSION SHEET 2/2

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



BASMENT SLAB -LOWER REINFORCEMET

SCALE 1:75

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 .
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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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

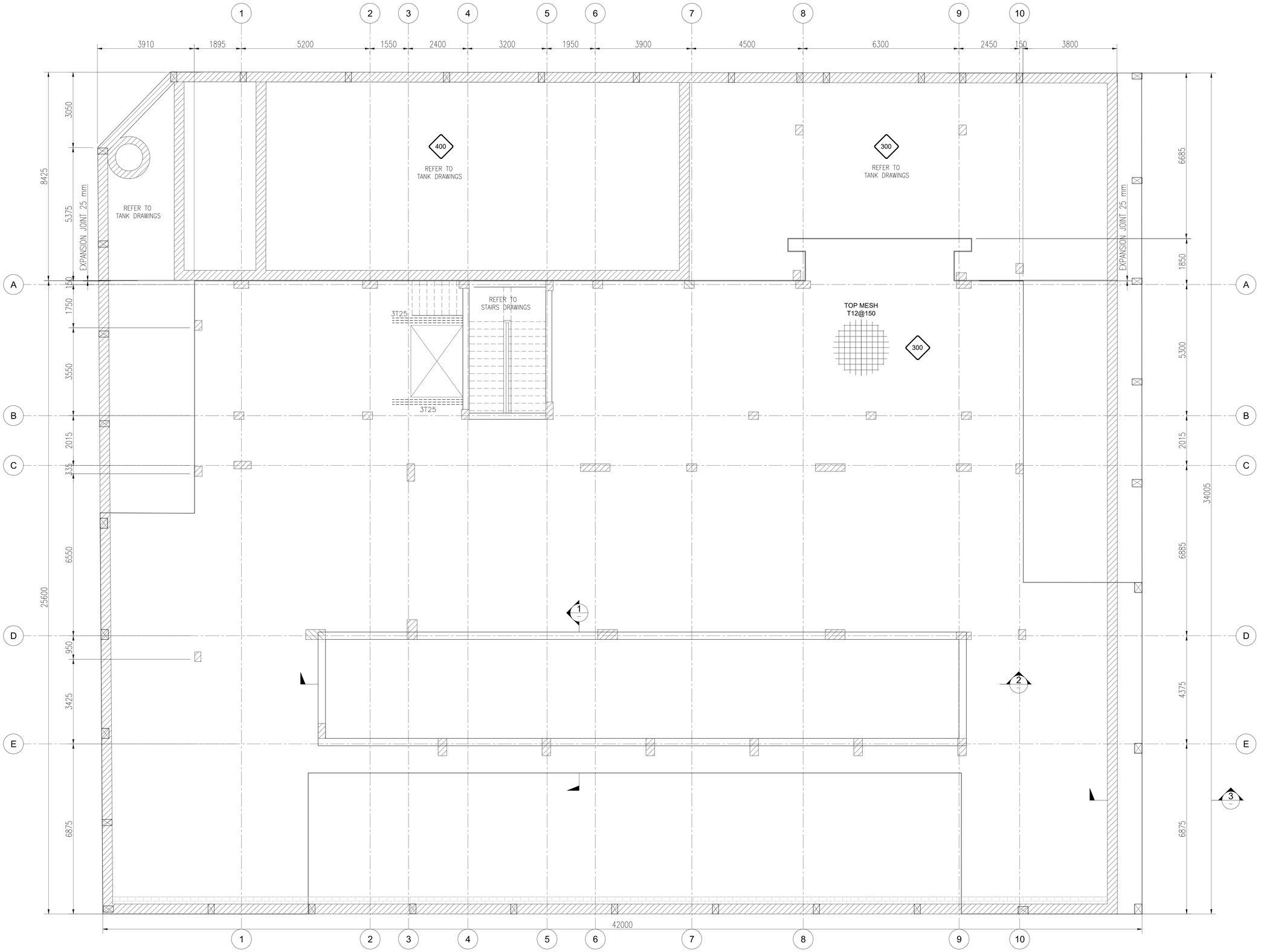
DRAWING NAME

BASMENT LEVEL
LOWER MESH REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



BASMENT SLAB -UPPER REINFORCEMET X DIRECTION

SCALE 1:75

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 .
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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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

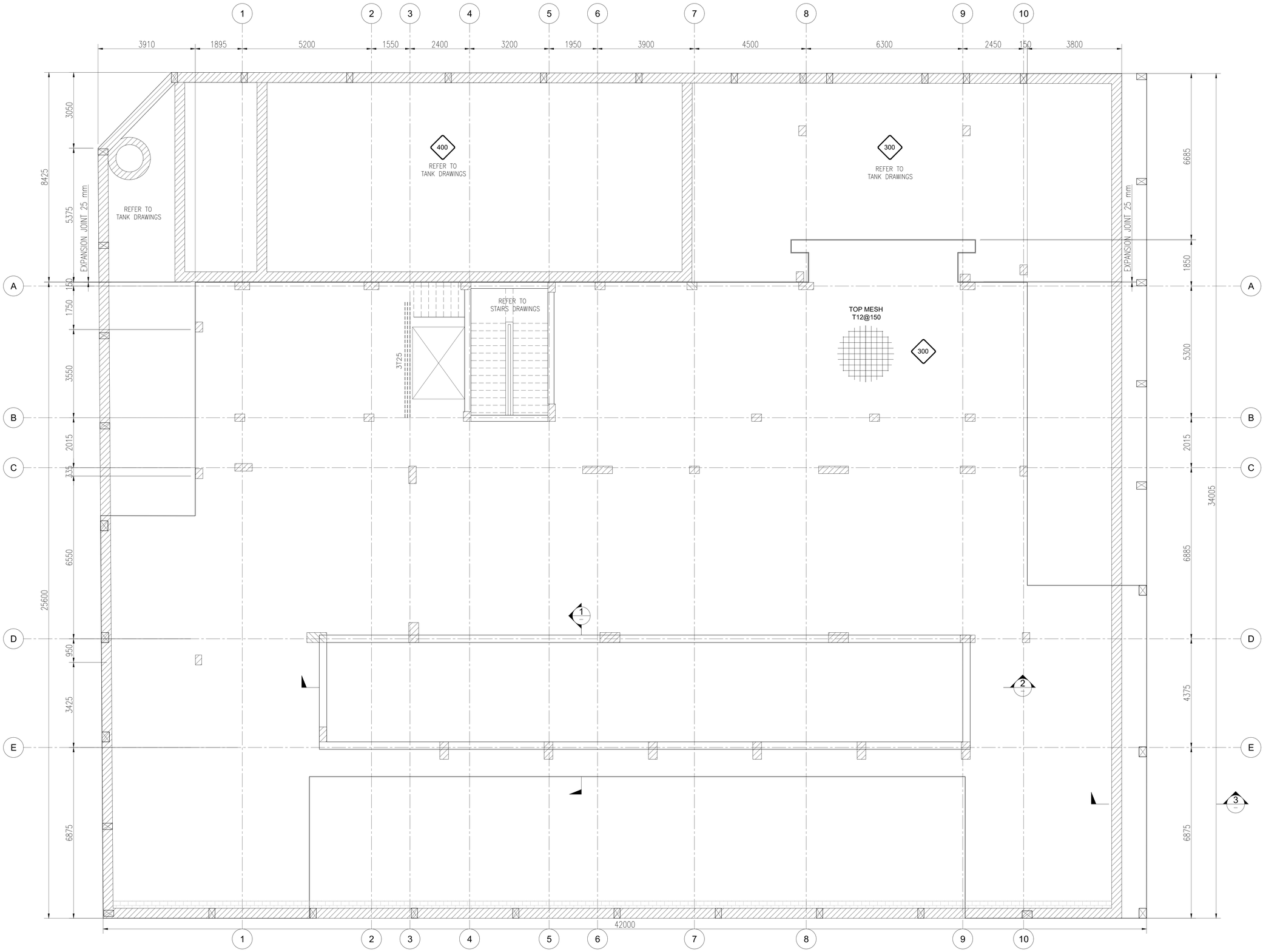
DRAWING NAME

BASMENT LEVEL
UPPER MESH REINFORCEMENT DETAILS
X DIRECTION

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



BASMENT SLAB -UPPER REINFORCEMET Y DIRECTION

SCALE 1:75

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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

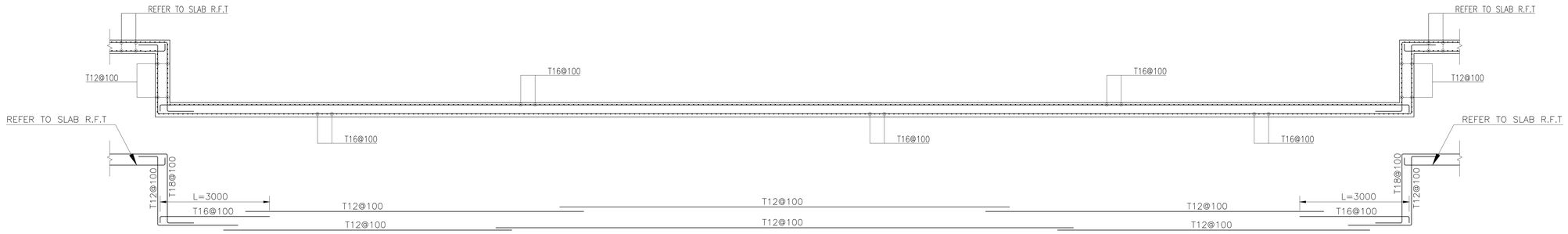
DRAWING NAME

BASMENT LEVEL
UPPER MESH REINFORCEMENT DETAILS
Y DIRECTION

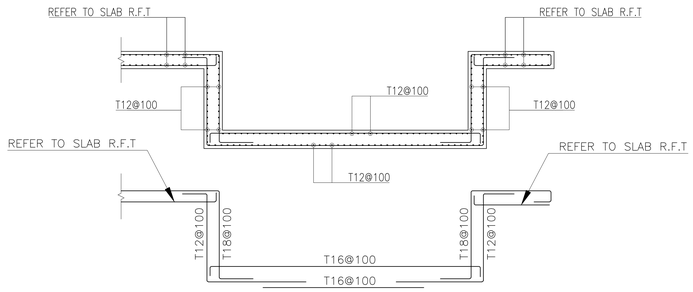
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

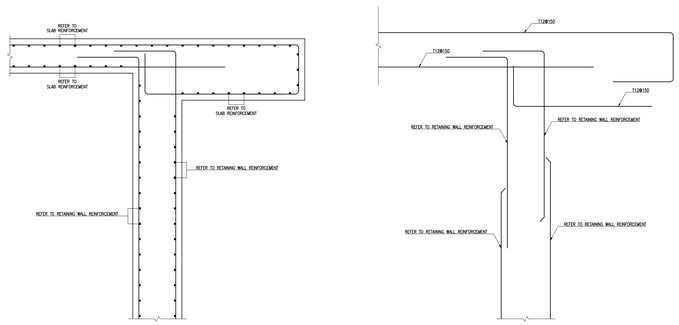
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECTION REINFORCEMENT 2-2 (2)
SCALE 1:50



SECTION REINFORCEMENT 1-1 (1)
SCALE 1:50



SECTION 3-3 REINFORCEMENT (3)
SCALE 1:10

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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

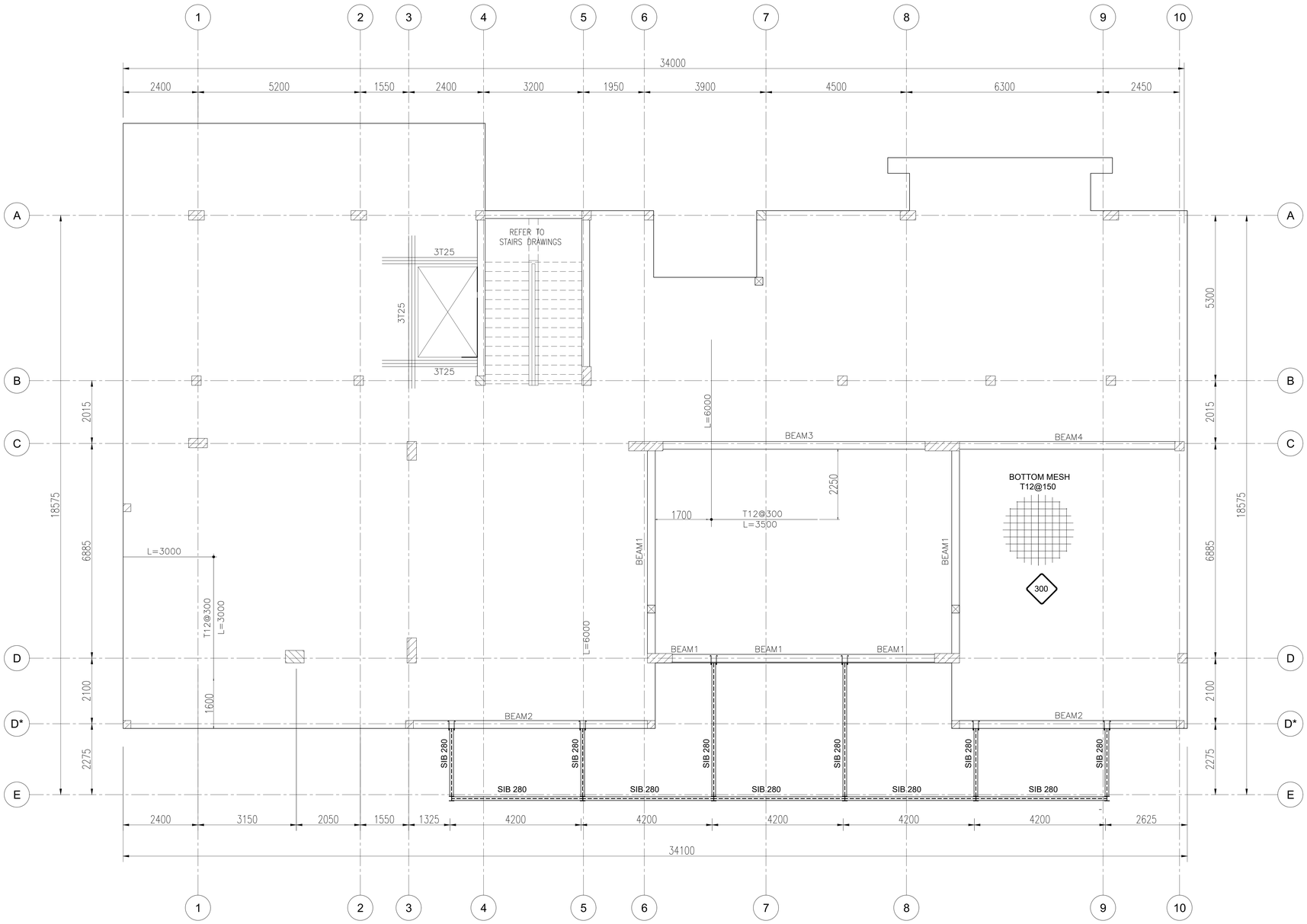
DRAWING NAME

BASMENT LEVEL
GENERAL REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



FIRST FLOOR SLAB - LOWER REINFORCEMET

SCALE 1:75

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).
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REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

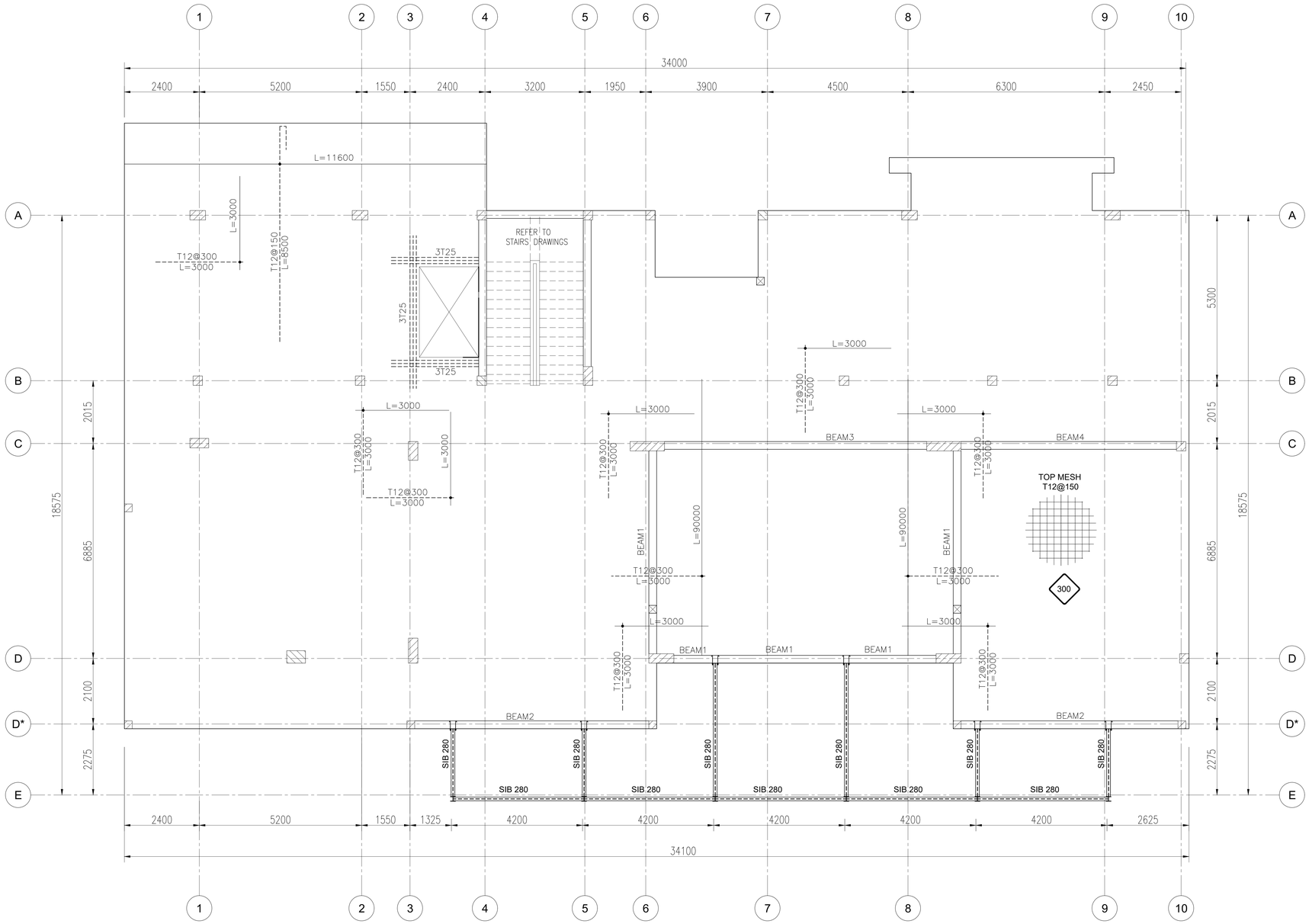
DRAWING NAME

FIRST FLOOR
LOWER REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



FIRST FLOOR SLAB -UPPER REINFORCEMET

SCALE 1:75

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).
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REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

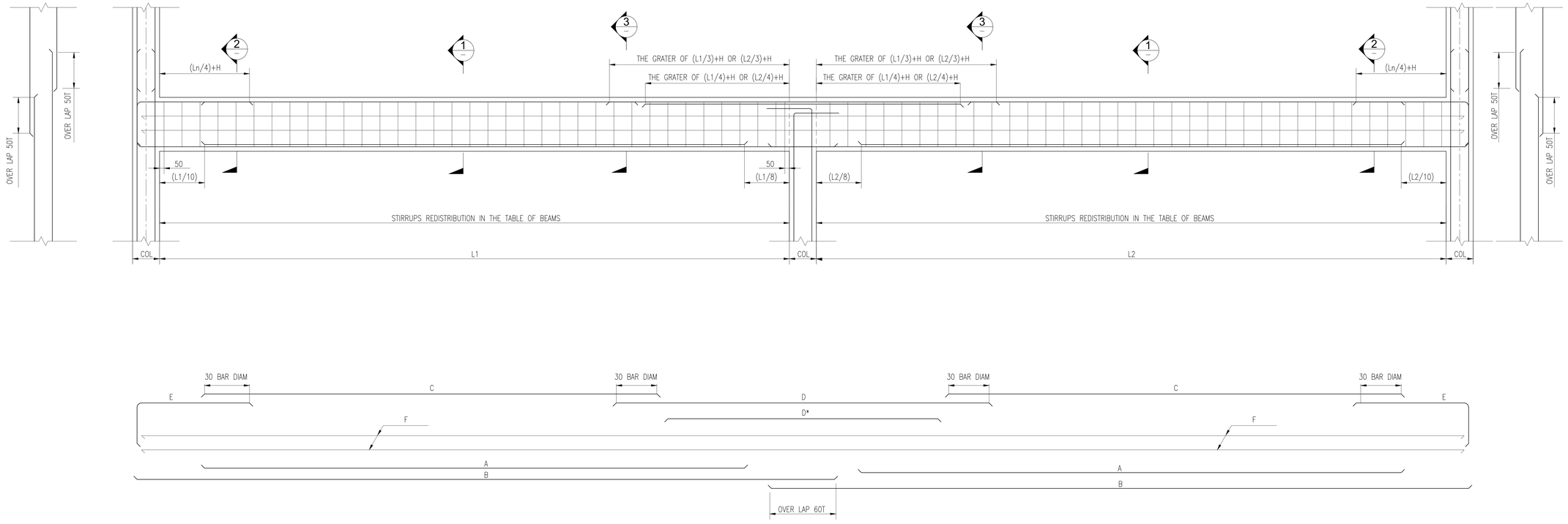
DRAWING NAME

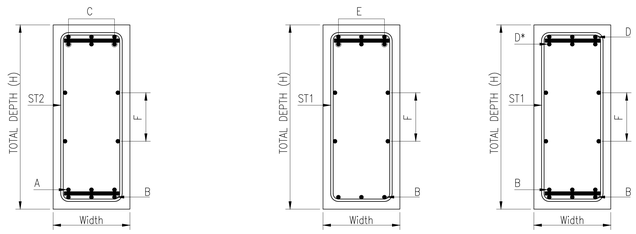
FIRST FLOOR
UPPER REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			





SECTION 1
SCALE 1:10

SECTION 2
SCALE 1:10

SECTION 3
SCALE 1:10

KEY PLAN

Notes of Slabs

1- Follow construction notes for columns no.(1,2,3,4,5,6) .
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REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

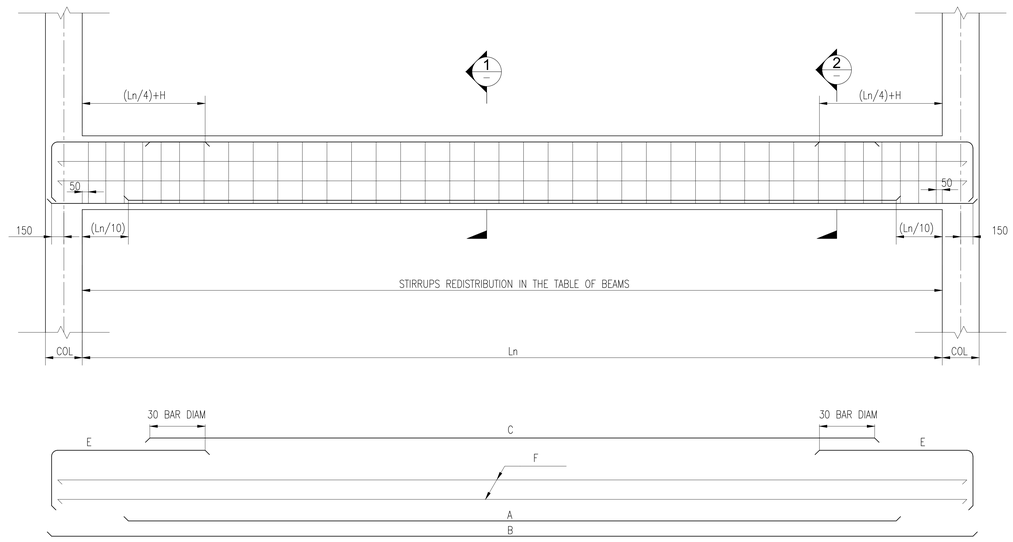
DRAWING NAME

FIRST FLOOR
CONTINUOUS BEAM DETAIL

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

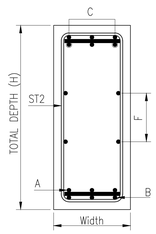
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



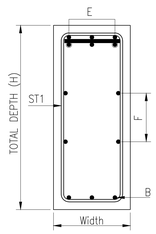
TYPICAL BEAM ELEVATION SINGEL SPAN DETAILS

SCALE 1:25



SECTION 1

SCALE 1:10



SECTION 2

SCALE 1:10

KEY PLAN

Notes of Slabs

1- Follow construction notes for columns no.(1,2,3,4,5,6) .

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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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

DRAWING NAME

FIRST FLOOR
SIMPLE BEAM DETAIL

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

TABLE OF BEAMS

BEAM TYPE	DIMENSION	THE REINFORCEMENT										
		BOTTOM		TOP				SIDE BARS	STIRRUPS			
		@Mid-Span	@ Support	@Mid-Span	@Internal Support		@External Support		Shape	@ Support	Length	@Mid-Span
		A	B	C	D	D*	E	F		ST1		ST2
BEAM 1	250X700	3T25	3T25	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	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

Notes of Slabs

1- Follow construction notes for columns no.(1,2,3,4,5,6) .
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REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

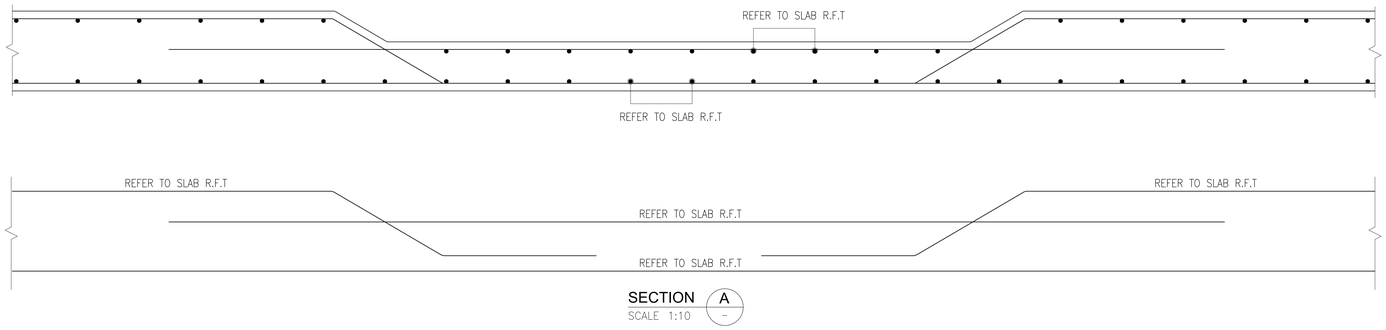
DRAWING NAME

FIRST FLOOR
TABLE OF BEAMS

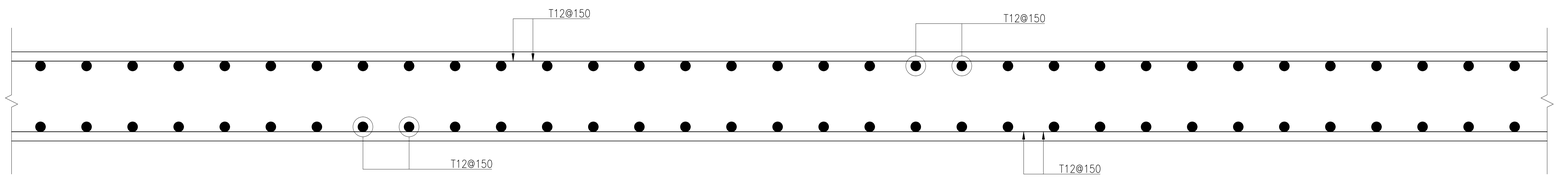
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECTION A
SCALE 1:10



TYPICAL SLAB REINFORCEMENT DETAILS
SCALE 1:10

KEY PLAN

Notes of Slabs

1- Follow construction notes for columns no.(1,2,3,4,5,6) .
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REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

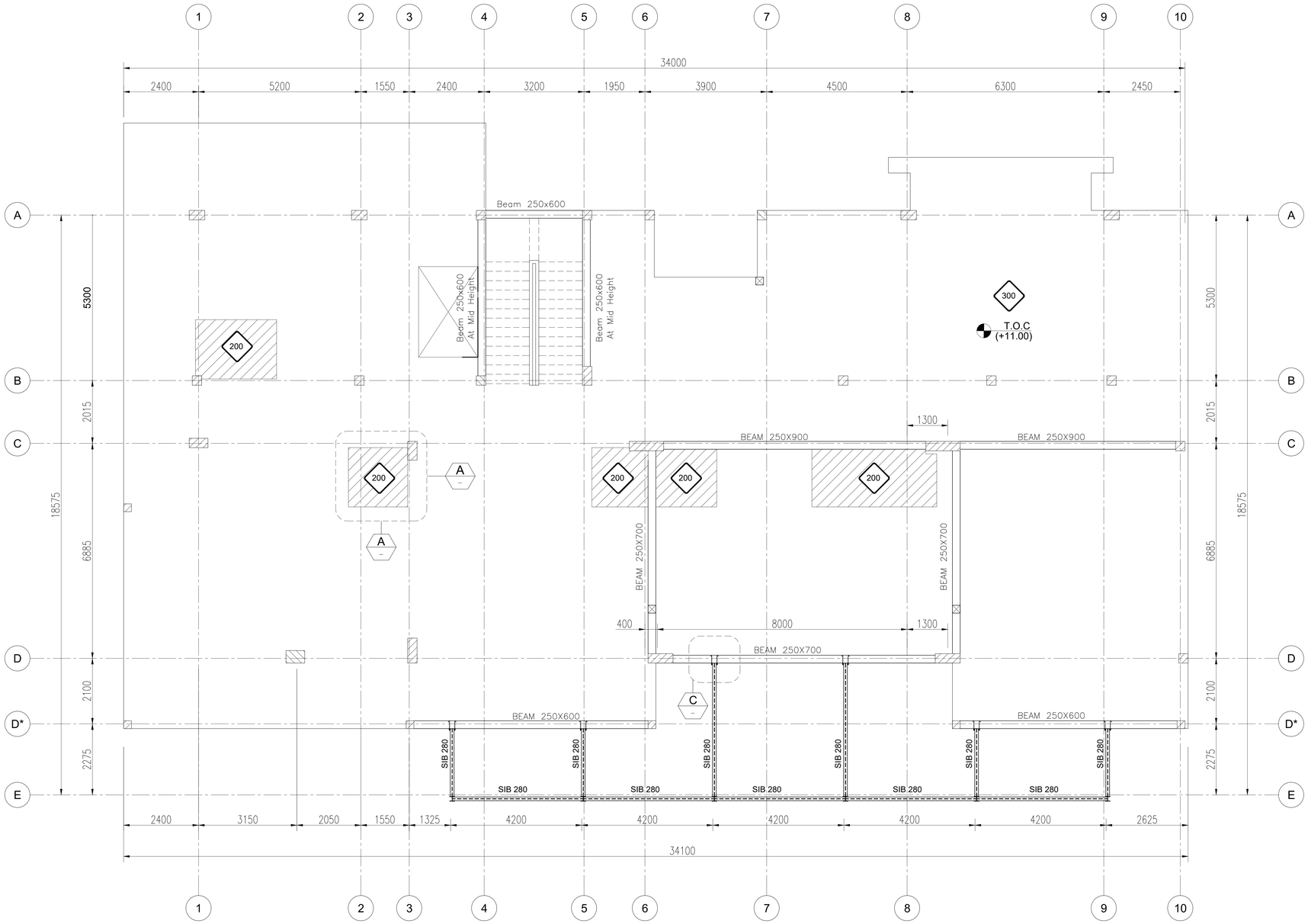
DRAWING NAME

FIRST FLOOR
GENERAL DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

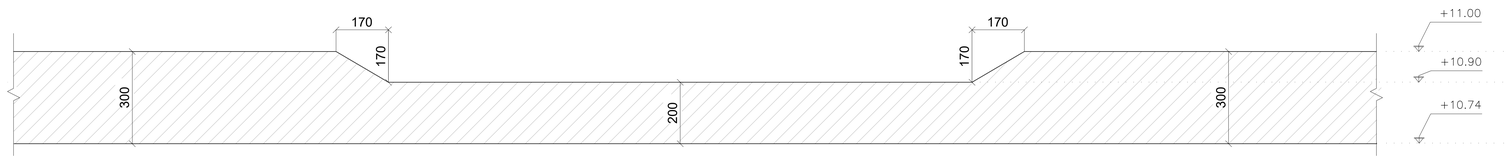
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



FIRST FLOOR SLAB - CONCRETE DIMENSION

SCALE 1:75



SECTION A

SCALE 1:10

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).
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REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

DRAWING NAME

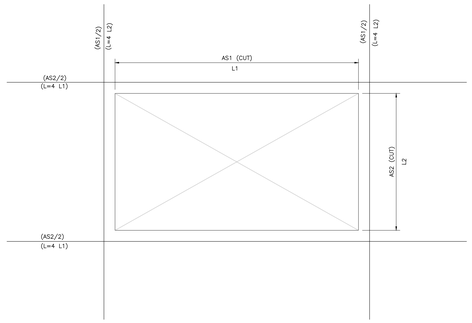
FIRST FLOOR
CONCRETE DIMENSION

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

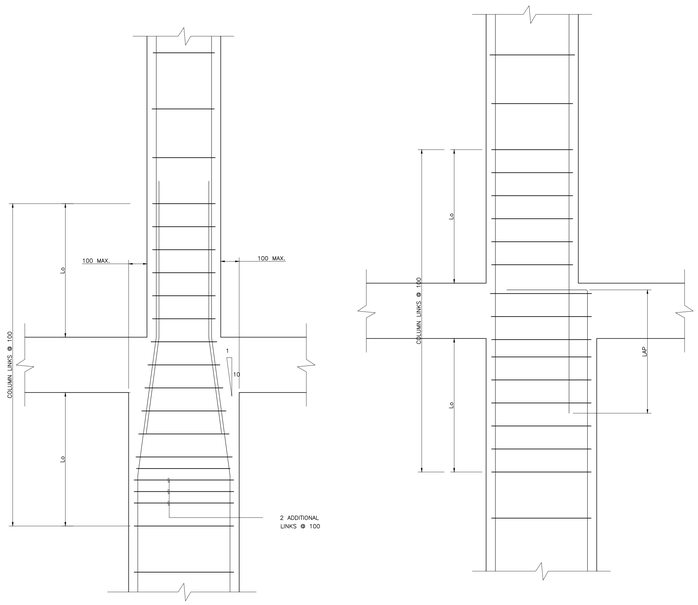
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

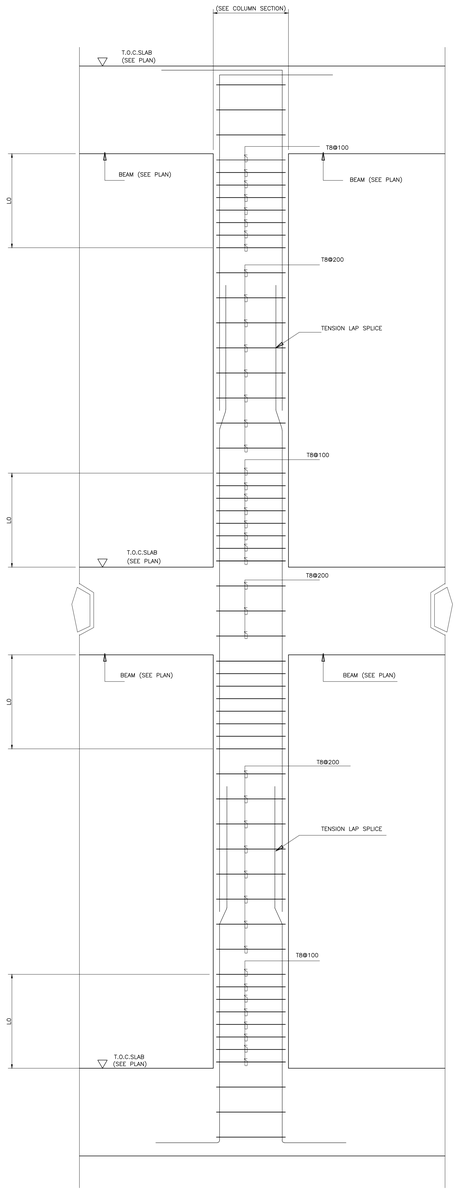
1. TYPICAL ADDITIONAL REINFORCEMENT AROUND OPENINGS IN SOLID SLABS, UNLESS OTHERWISE SHOWN ON DRAWINGS, SHALL BE AS FOLLOWS :



TYPICAL DETAIL FOR REINFT. AROUND OPENINGS : 1
SCALE 1:50



TYPICAL LAB SPLICE DETAIL OF COLUMNS 2
SCALE 1:50



NOTE :-
LO = 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

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

DRAWING NAME

GENERAL DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

General Notes

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.

7 - Steel which is used in steel section is 3.7 .

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 .

11 - compression splice is 50 Diameter Length .

12 - tension splice is 60 Diameter Length .

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

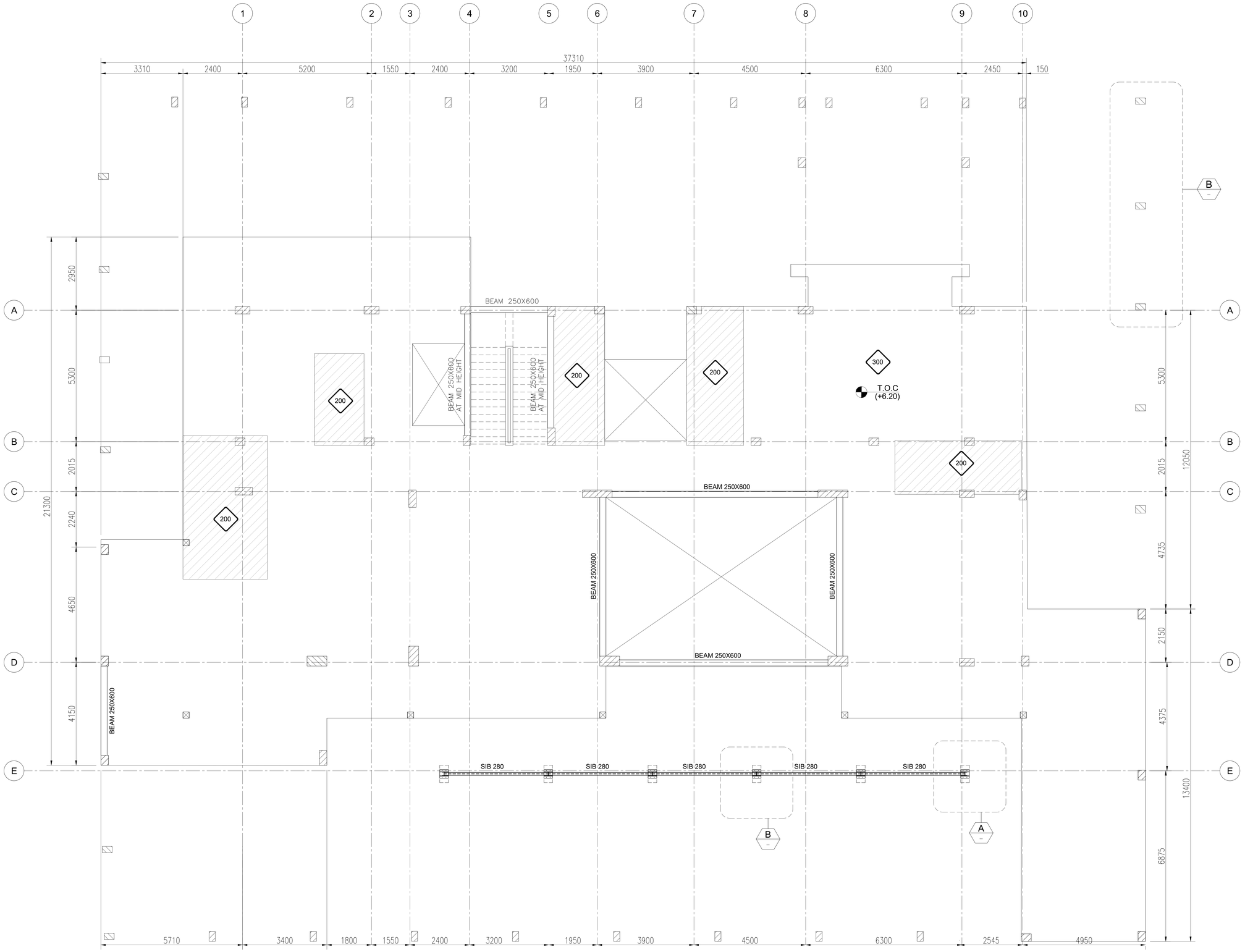
DRAWING NAME

GENERAL NOTES

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



GROUND FLOOR SLAB - CONCRETE DIMENSION

SCALE 1:75

KEY PLAN

Notes of Slabs

1- Follow construction notes for columns no.(1,2,3,4,5,6) .
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REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

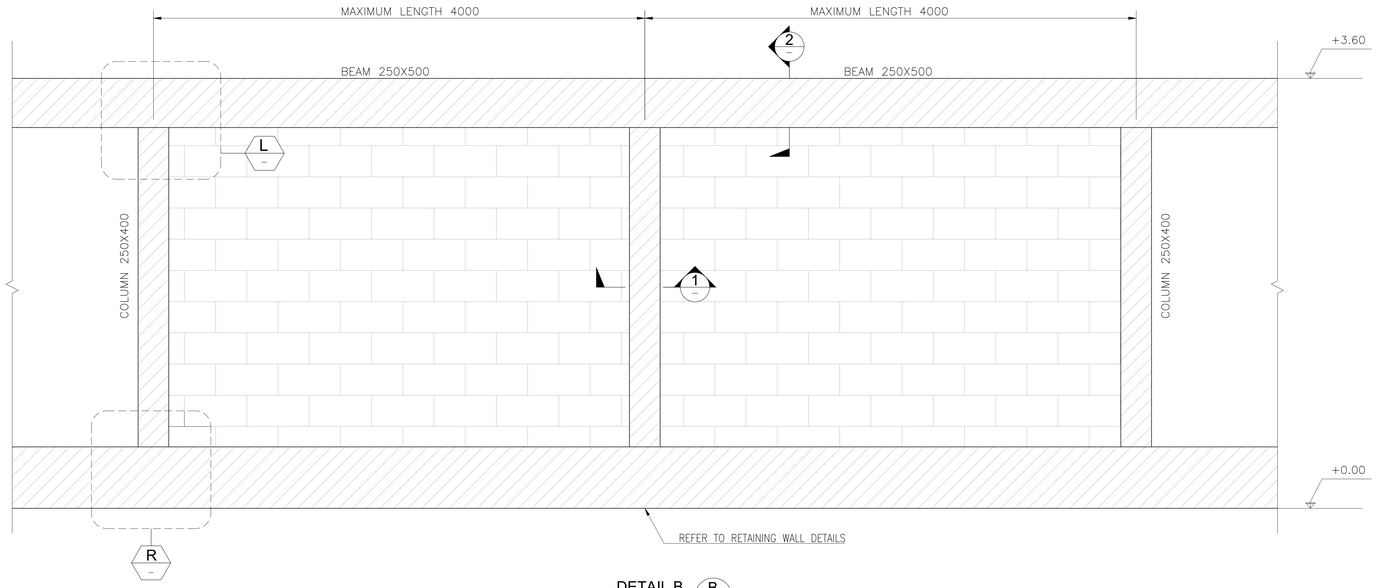
DRAWING NAME

GROUND FLOOR
CONCRETE DIMENSIONS SHEET 1/2

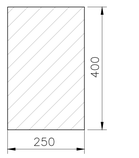
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

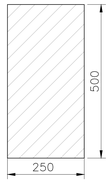
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



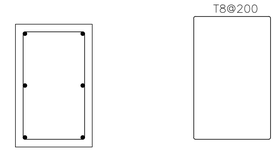
DETAIL B
SCALE 1:25 — B



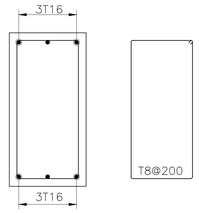
SECTION 1-1 — 1
SCALE 1:10



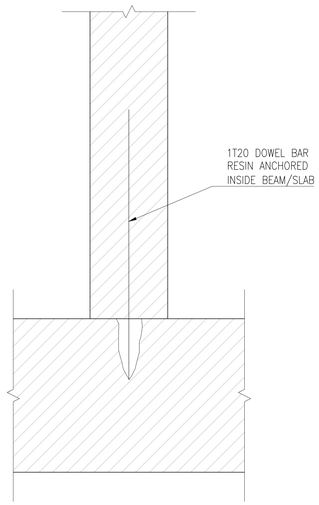
SECTION 2-2 — 2
SCALE 1:10



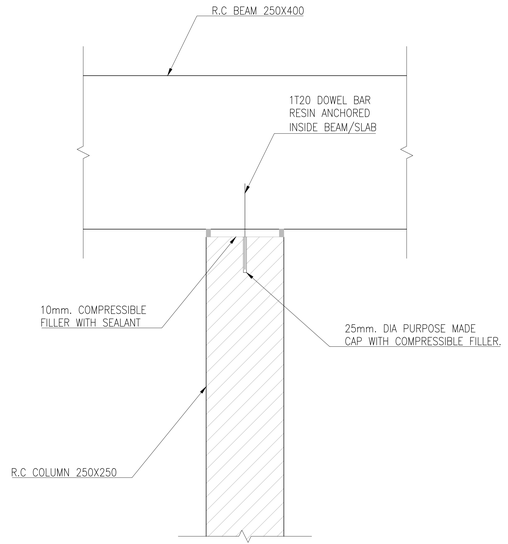
SECTION 1-1 REINFORCEMENT — 1
SCALE 1:10



SECTION 2-2 REINFORCEMENT — 2
SCALE 1:10



DETAIL R-R — R
SCALE 1:10



DETAIL L-L — L
SCALE 1:10

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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

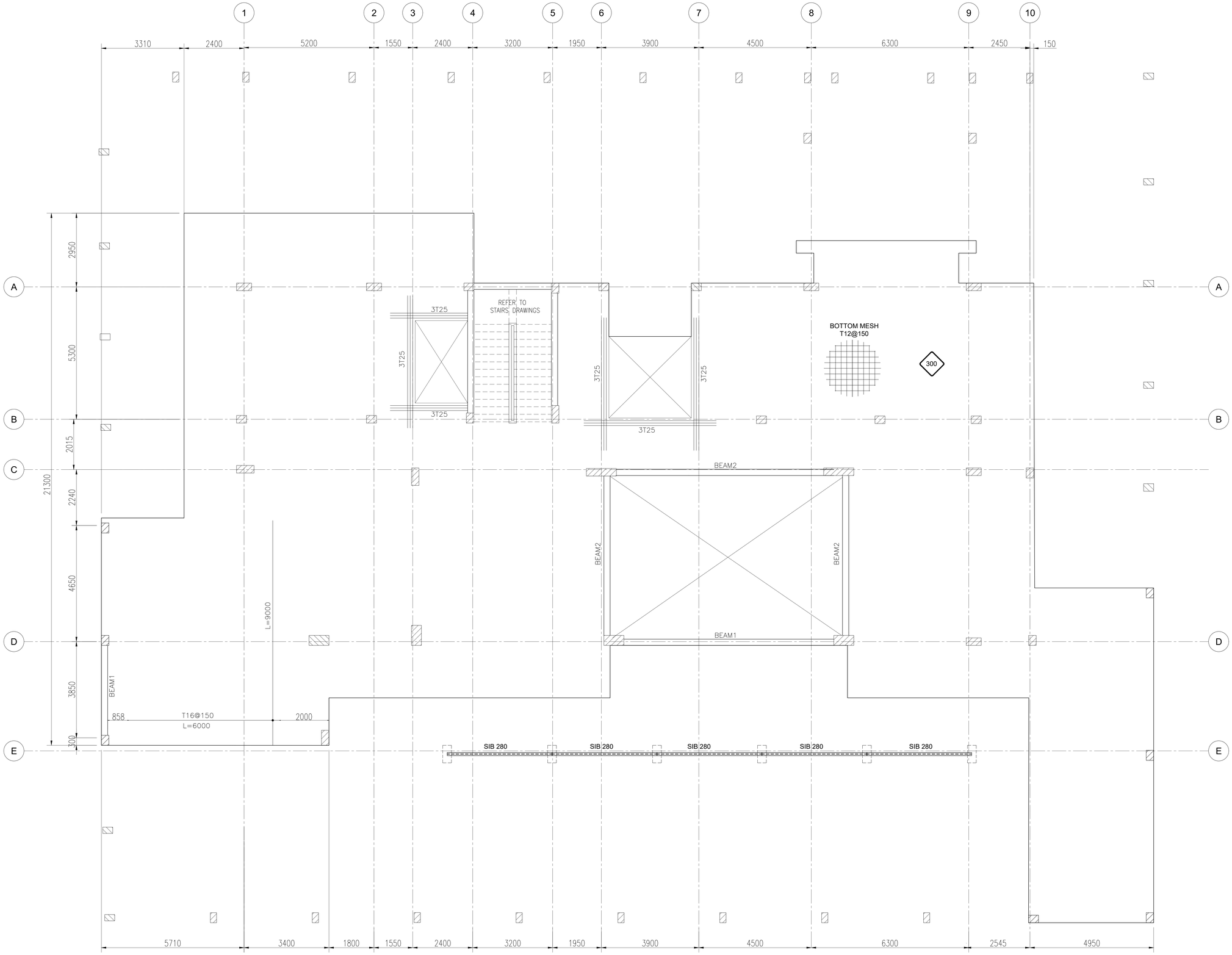
DRAWING NAME

GROUND FLOOR
CONCRETE DIMENSIONS SHEET 2/2

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



GROUND FLOOR SLAB - LOWER REINFORCEMENT

SCALE 1:75

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 .
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14- The lower additional reinforcement bars are denoted by _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

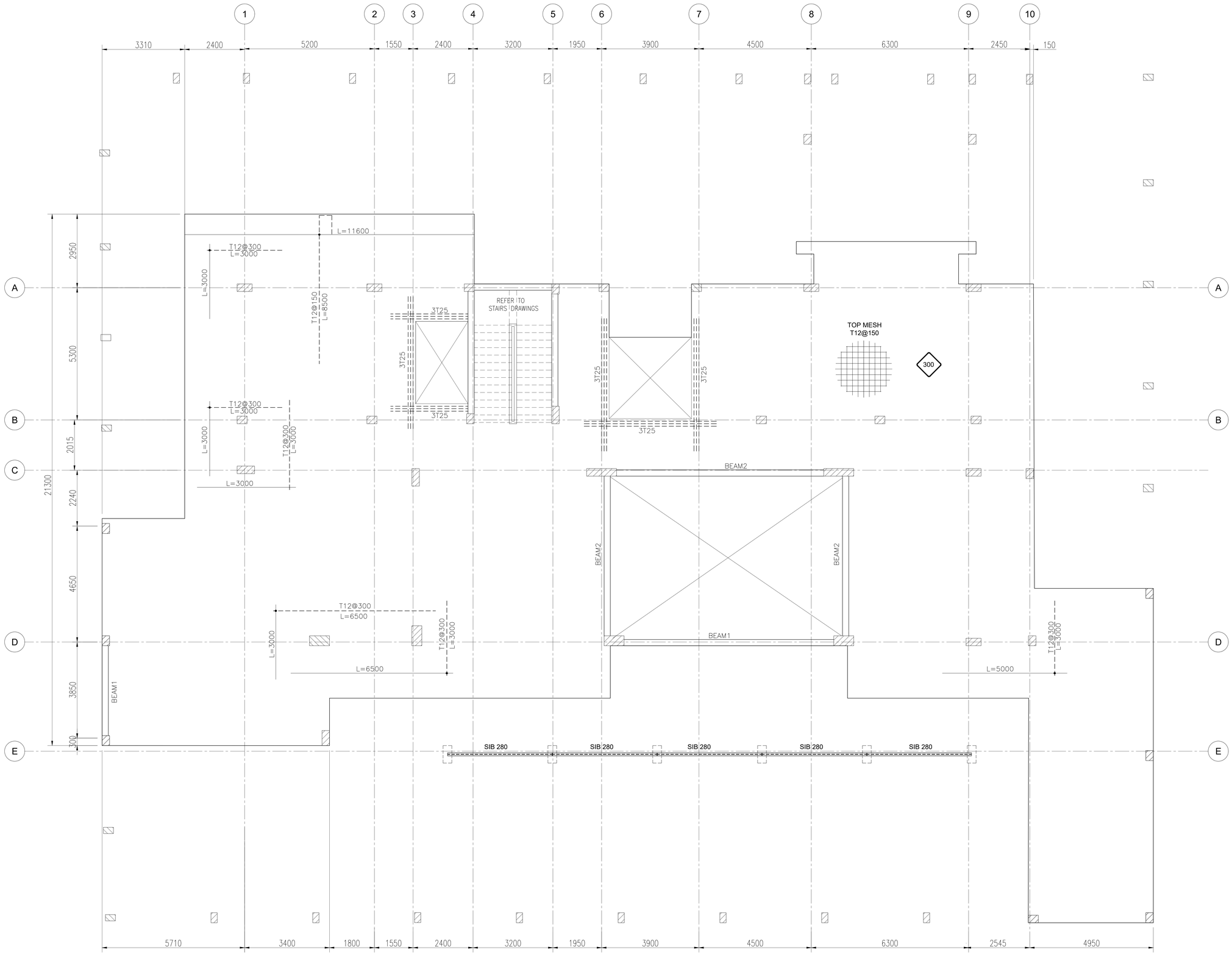
DRAWING NAME

GROUND FLOOR
LOWER REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



GROUND FLOOR SLAB - UPPER REINFORCEMENT

SCALE 1:75

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).
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14- The lower additional reinforcement bars are denoted by _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

DRAWING NAME

GROUND FLOOR
UPPER REINFORCEMENT DETAILS

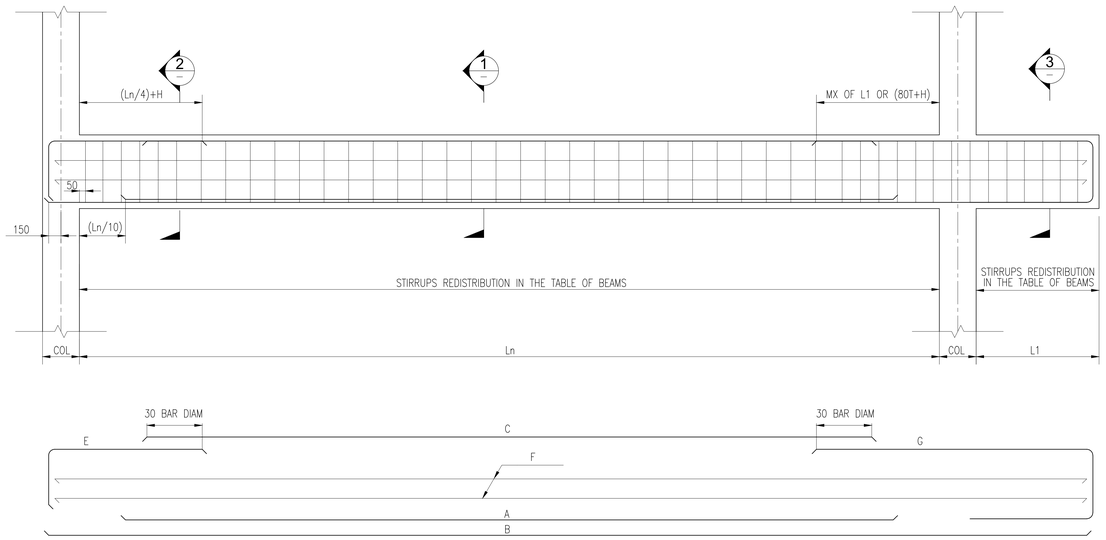
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

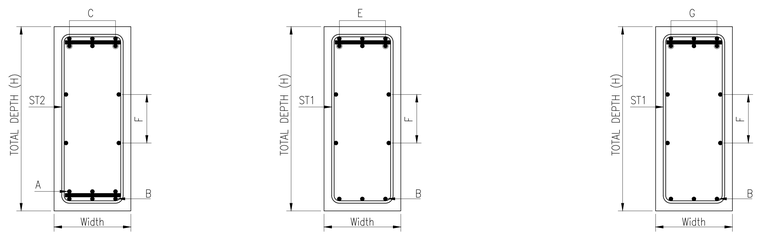
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

TABLE OF BEAMS

BEAM TYPE	DIMENSION	THE REINFORCEMENT											
		BOTTOM		TOP					SIDE BARS	STIRRUPS			
		@Mid-Span	@ Support	@Mid-Span	@Internal Support		@External Support	@cantliver Support		Shape	@ Support	Length	@Mid-Span
		A	B	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



TYPICAL BEAM ELEVATION SINGEL SPAN DETAILS
SCALE 1:25



SECTION 1 — SCALE 1:10
SECTION 2 — SCALE 1:10
SECTION 3 — SCALE 1:10

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).
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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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

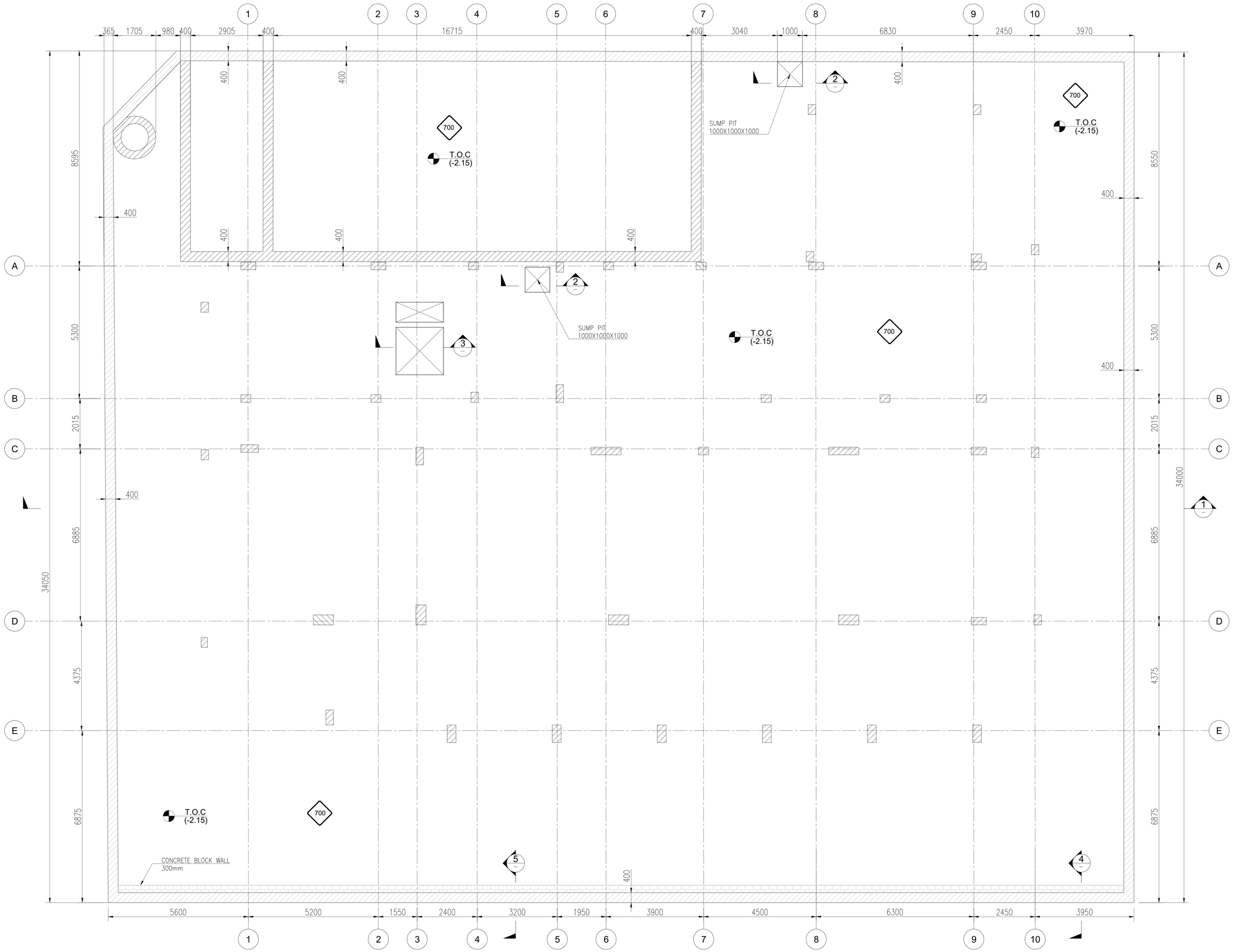
DRAWING NAME

GROUND FLOOR
BEAM TABLE

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



RAFT- CONCRETE DIMENSION

SCALE 1:75

KEY PLAN

Notes of Footings

1- Follow construction notes of columns no.(1,2,3,5,6) .

2- Foundations are designed to carry a basement, ground , First and second floor .

3- Foundation levels are (-2.15) measured from architectural zero level .

4- The net bearing capacity at foundation level must be as geotacnical report .

5- All recommendations mentioned in the geotechnical soil report should be implemented .

6- Concrete mix for plain concrete should have chracteristic strength not less than 200 kg/cm.sq. with minimum cement content of 250 kg/m.c.

7- Concrete mix for reinforced concrete should have charactristic strength not less than 300 kg/cm.sq.with minimum cement content of 350 kg/m.c.

8- Concrete manufacturing should be done to the specifications so that concrete is dense,with low permeability and good surface

9- The minimum concrete cover for underground works is 5 cm.

10- Foundations should be coated using approved water proof bituminious based coating material.

11- Columns reinforcement first splice extend 1.0 m or 65 above the top surface of reinforced concrete footings whichever is greater .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

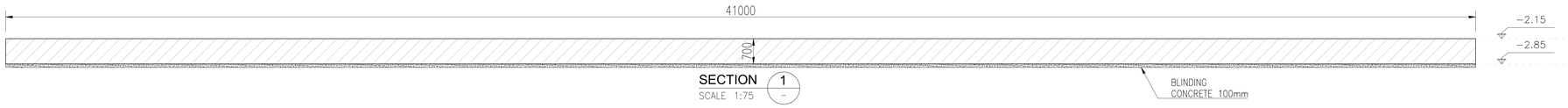
DRAWING NAME

RAFT CONCRETE DIMENSION
SHEET 1/3

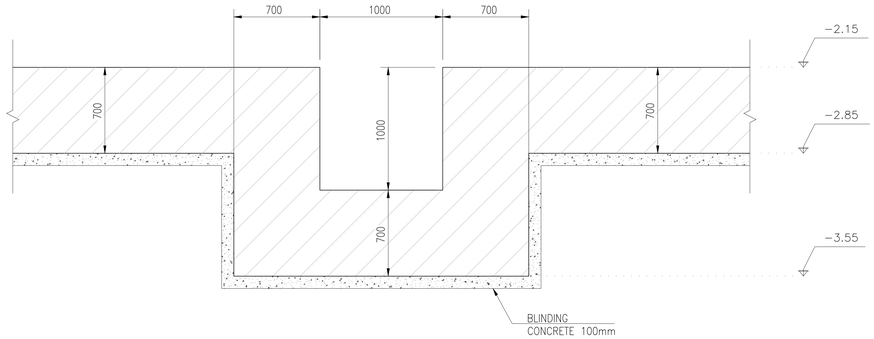
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

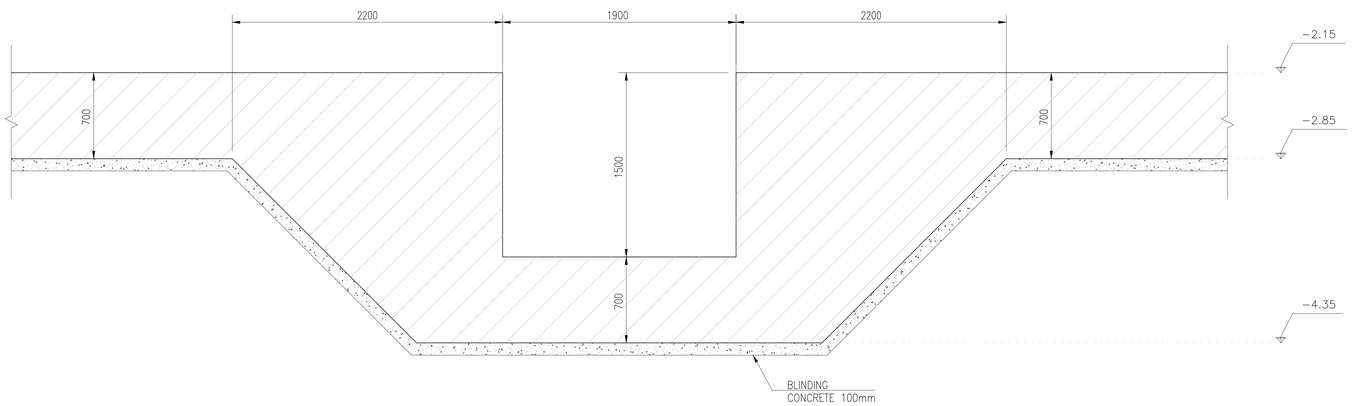
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECTION 1
SCALE 1:75



SECTION 2-2- CONCRETE DIMENSIONS 2
SCALE 1:25



SECTION 3-3 - CONCRETE DIMENSIONS 3
SCALE 1:25

KEY PLAN

Notes of Footings

1- Follow construction notes of columns no.(1,2,3,5,6) .
2- Foundations are designed to carry a basement, ground , First and second floor .
3- Foundation levels are (-2.15) measured from architectural zero level .
4- The net bearing capacity at foundation level must be as geotacnical report .
5- All recommendations mentioned in the geotechnical soil report should be implemented .
6- Concrete mix for plain concrete should have chracteristic strength not less than 200 kg/cm.sq. with minimum cement content of 250 kg/m.c.
7- Concrete mix for reinforced concrete should have charactristic strength not less than 300 kg/cm.sq.with minimum cement content of 350 kg/m.c.
8- Concrete manufacturing should be done to the specifications so that concrete is dense,with low permeability and good surface
9- The minimum concrete cover for underground works is 5 cm.
10- Foundations should be coated using approved water proof bituminious based coating material.
11- Columns reinforcement first splice extend 1.0 m or 65 above the top surface of reinforced concrete footings whichever is greater .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

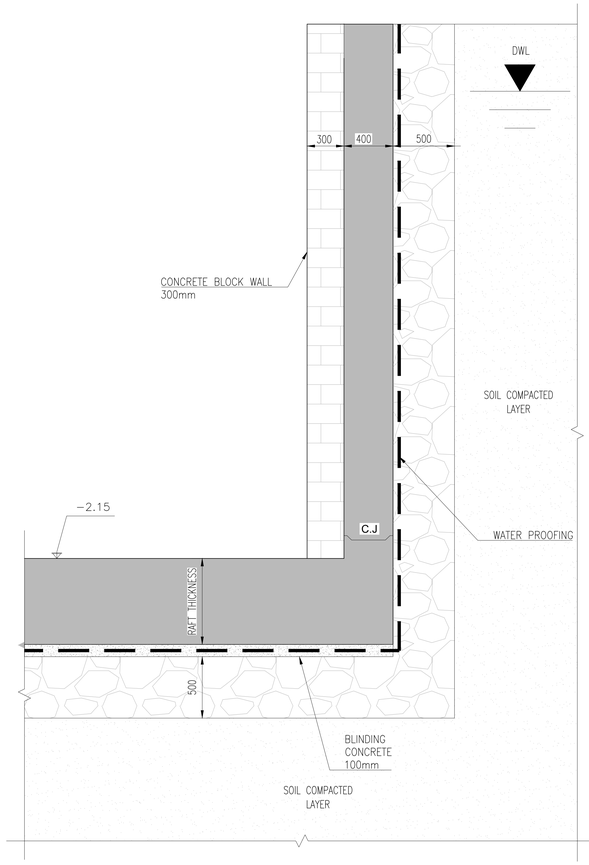
DRAWING NAME

RAFT CONCRETE DIMENSION
SHEET 2/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

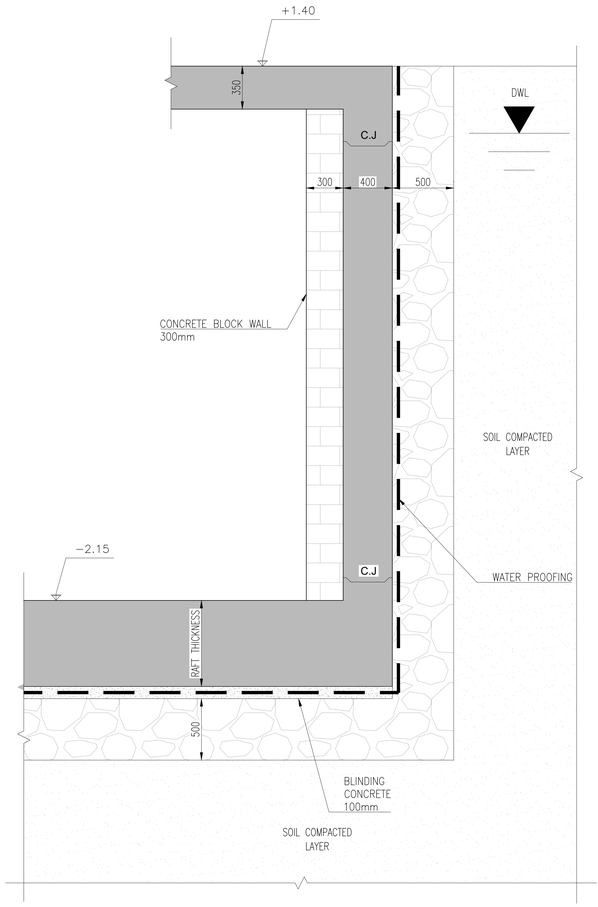
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



RETAINING WALL - CONCRETE DIMENSION AT BULDING AREA 5

SCALE 1:25



RETAINING WALL - CONCRETE DIMENSION AT BULDING AREA 4

SCALE 1:25

KEY PLAN

Notes of Footings

1- Follow construction notes of columns no.(1,2,3,5,6) .
2- Foundations are designed to carry a basement, ground , First and second floor .
3- Foundation levels are (-2.15) measured from architectural zero level .
4- The net bearing capacity at foundation level must be as geotacnical report .
5- All recommendations mentioned in the geotechnical soil report should be implemented .
6- Concrete mix for plain concrete should have chracteristic strength not less than 200 kg/cm.sq. with minimum cement content of 250 kg/m.c.
7- Concrete mix for reinforced concrete should have charactristic strength not less than 300 kg/cm.sq.with minimum cement content of 350 kg/m.c.
8- Concrete manufacturing should be done to the specifications so that concrete is dense,with low permeability and good surface
9- The minimum concrete cover for underground works is 5 cm.
10- Foundations should be coated using approved water proof bituminious based coating material.
11- Columns reinforcement first splice extend 1.0 m or 65 above the top surface of reinforced concrete footings whichever is greater .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

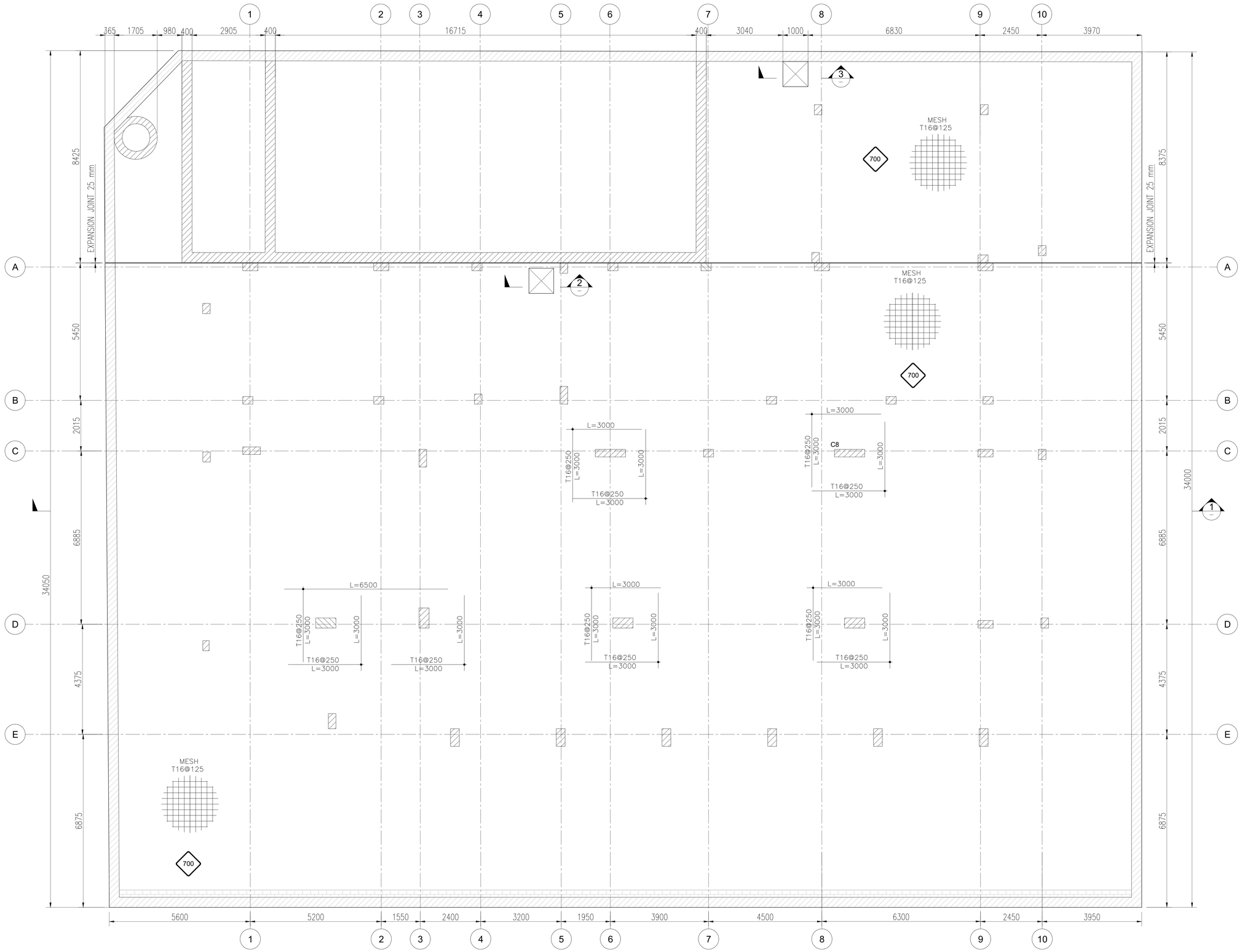
DRAWING NAME

RAFT CONCRETE DIMENSION
SHEET 3/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



RAFT LOWER MESH REINFORCEMENT DETAILS

SCALE 1:75

KEY PLAN

Notes of Footings

1- Follow construction notes of columns no.(1,2,3,5,6) .

2- Foundations are designed to carry a basement, ground , First and second floor .

3- Foundation levels are (-2.15) measured from architectural zero level .

4- The net bearing capacity at foundation level must be as geotacnical report .

5- All recommendations mentioned in the geotechnical soil report should be implemented .

6- Concrete mix for plain concrete should have chracteristic strength not less than 200 kg/cm.sq. with minimum cement content of 250 kg/m.c.

7- Concrete mix for reinforced concrete should have charactristic strength not less than 300 kg/cm.sq.with minimum cement content of 350 kg/m.c.

8- Concrete manufacturing should be done to the specifications so that concrete is dense,with low permeability and good surface

9- The minimum concrete cover for underground works is 5 cm.

10- Foundations should be coated using approved water proof bituminious based coating material.

11- Columns reinforcement first splice extend 1.0 m or 65 above the top surface of reinforced concrete footings whichever is greater .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

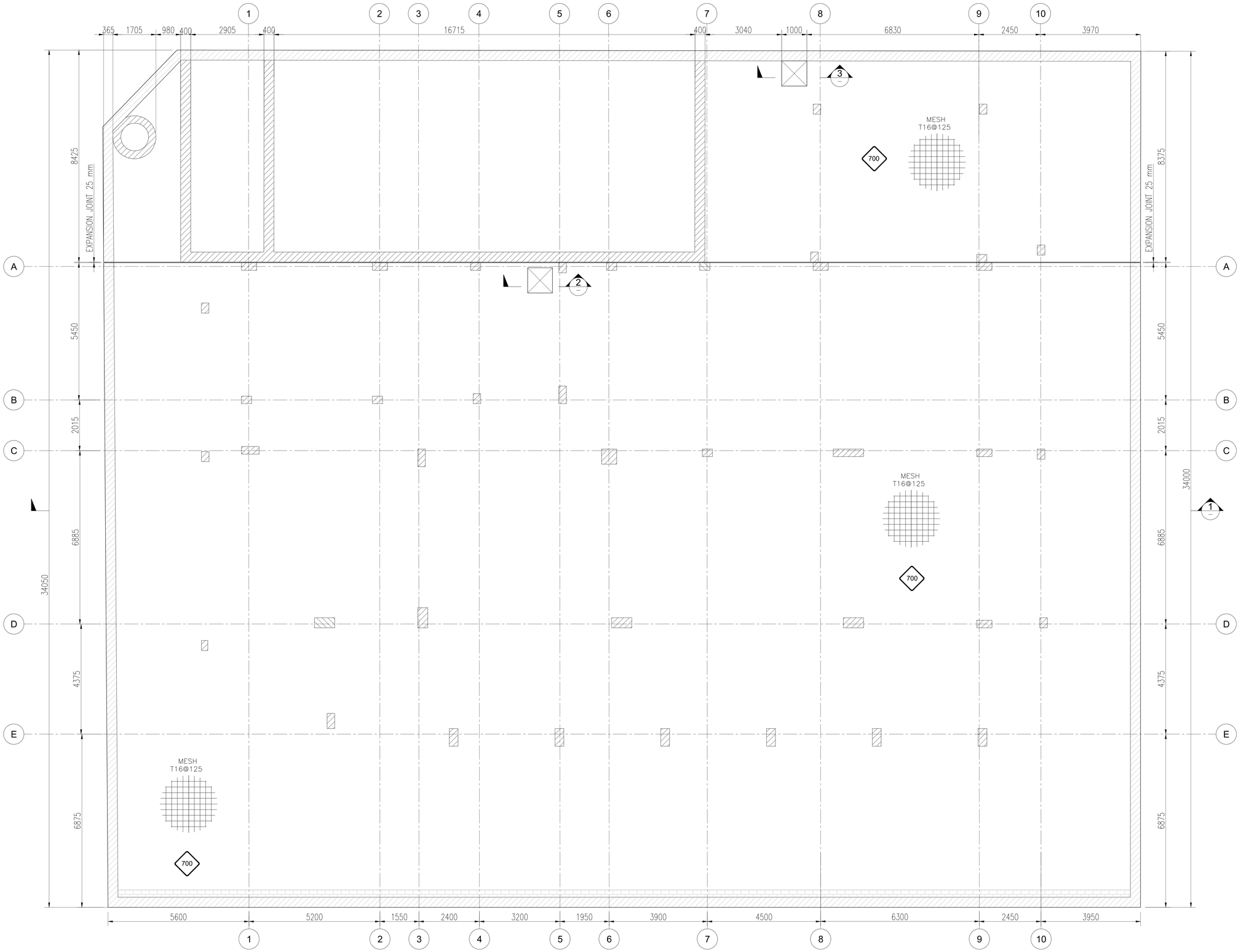
DRAWING NAME

RAFT REINFORCEMENT DETAILS
SHEET 1/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



RAFT UPPER MESH REINFORCEMENT DETAILS

SCALE 1:75

KEY PLAN

Notes of Footings

1- Follow construction notes of columns no.(1,2,3,5,6) .

2- Foundations are designed to carry a basement, ground , First and second floor .

3- Foundation levels are (-2.15) measured from architectural zero level .

4- The net bearing capacity at foundation level must be as geotacnical report .

5- All recommendations mentioned in the geotechnical soil report should be implemented .

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10- Foundations should be coated using approved water proof bituminious based coating material.

11- Columns reinforcement first splice extend 1.0 m or 65 above the top surface of reinforced concrete footings whichever is greater .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

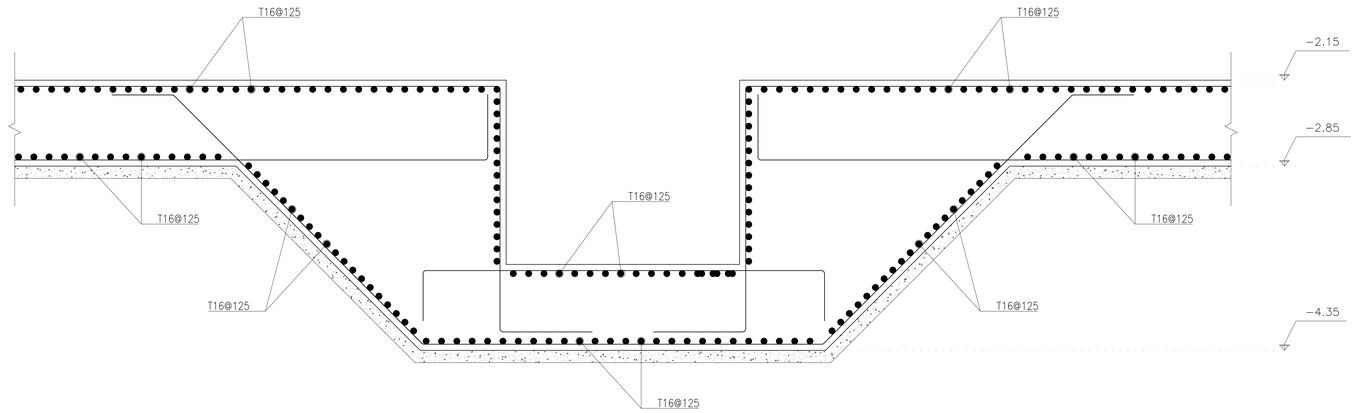
DRAWING NAME

RAFT REINFORCEMENT DETAILS
SHEET 2/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

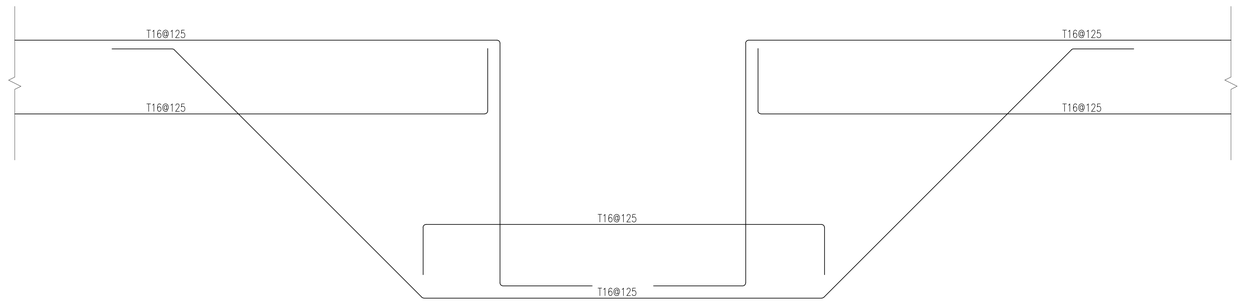
PROJECT CODE

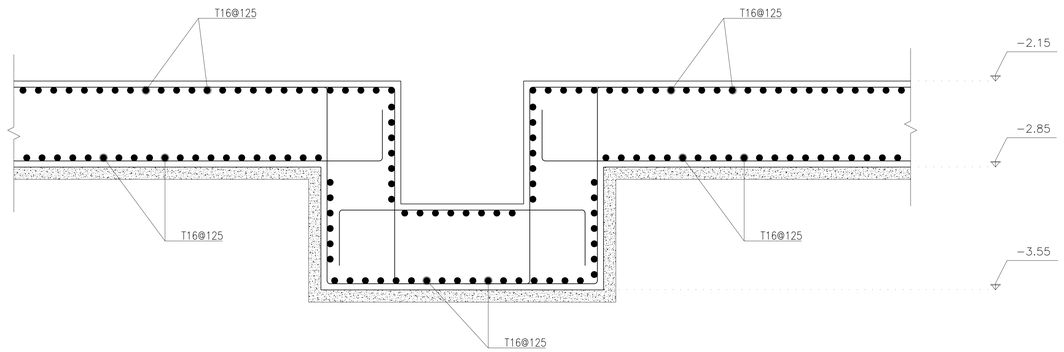
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECTION 3-3 - REINFORCEMENT DETAILS 3

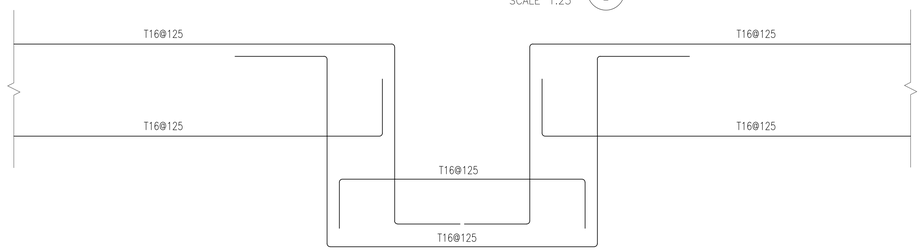
SCALE 1:25

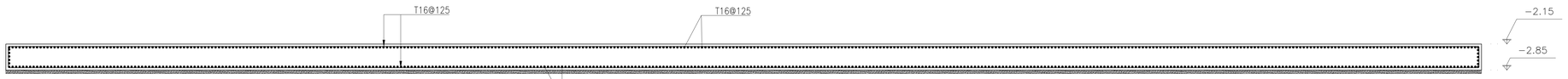




SECTION 2-2-REINFORCEMENT DETAILS 2

SCALE 1:25





SECTION 1

SCALE 1:75

KEY PLAN

Notes of Footings

1- Follow construction notes of columns no.(1,2,3,5,6) .

2- Foundations are designed to carry a basement, ground , First and second floor .

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11- Columns reinforcement first splice extend 1.0 m or 65 above the top surface of reinforced concrete footings whichever is greater .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

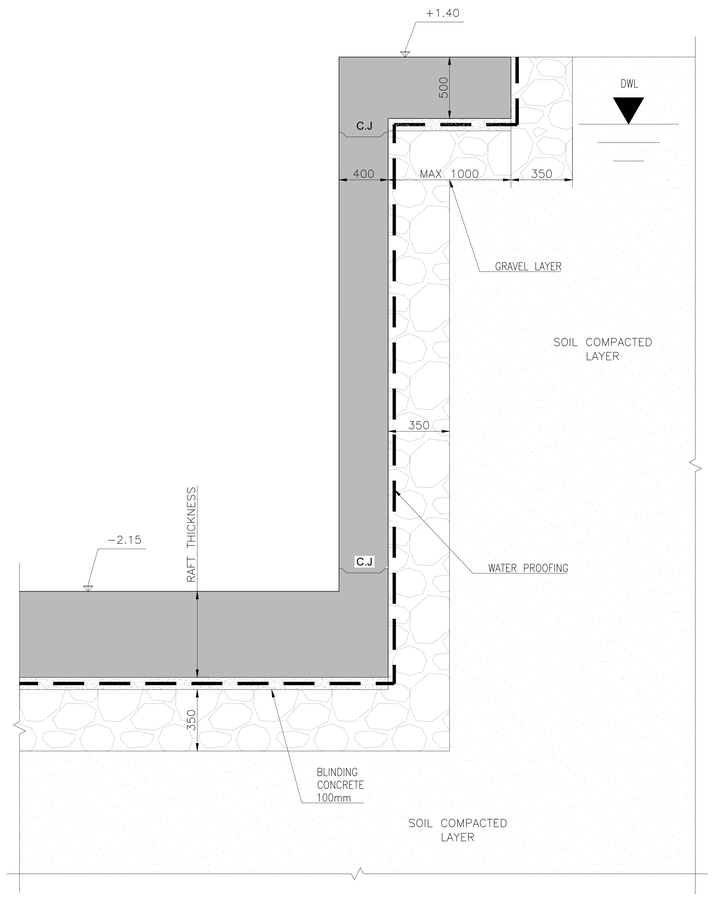
DRAWING NAME

RAFT REINFORCEMENT DETAILS
SHEET 3/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

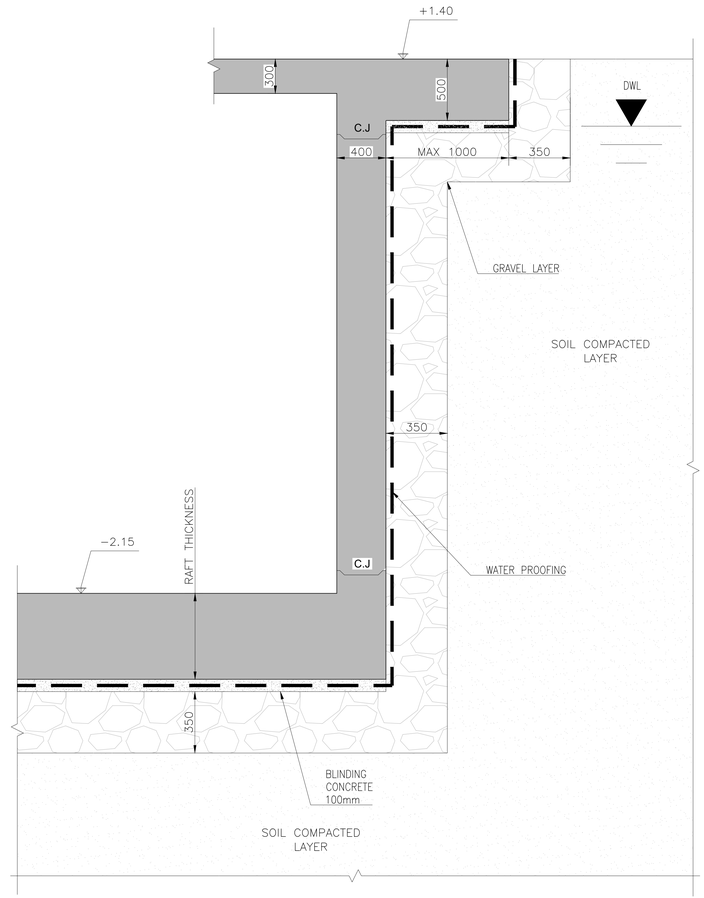
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



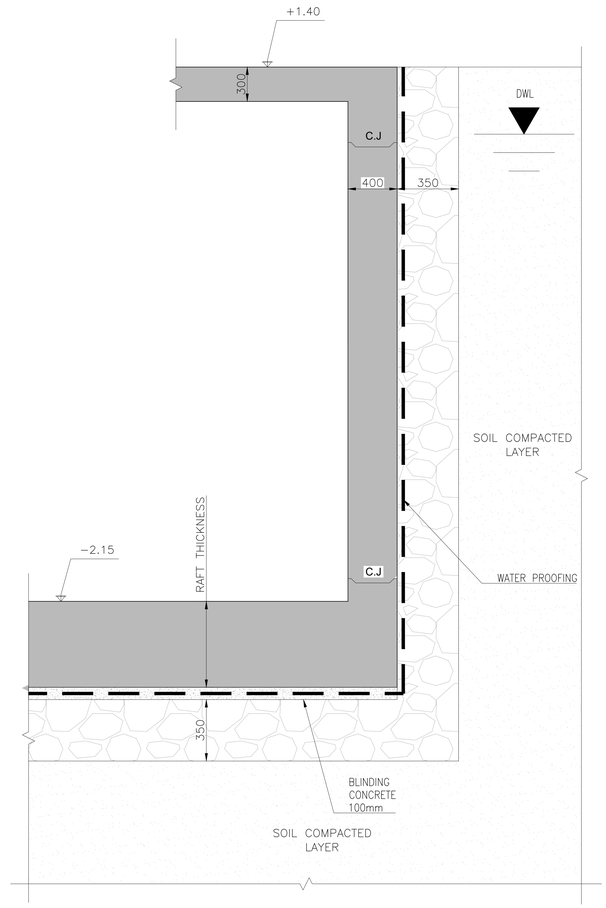
RETAINING WALL - CONCRETE DIMENSION AT OPEN PART AT SHOWRING AARE

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 PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

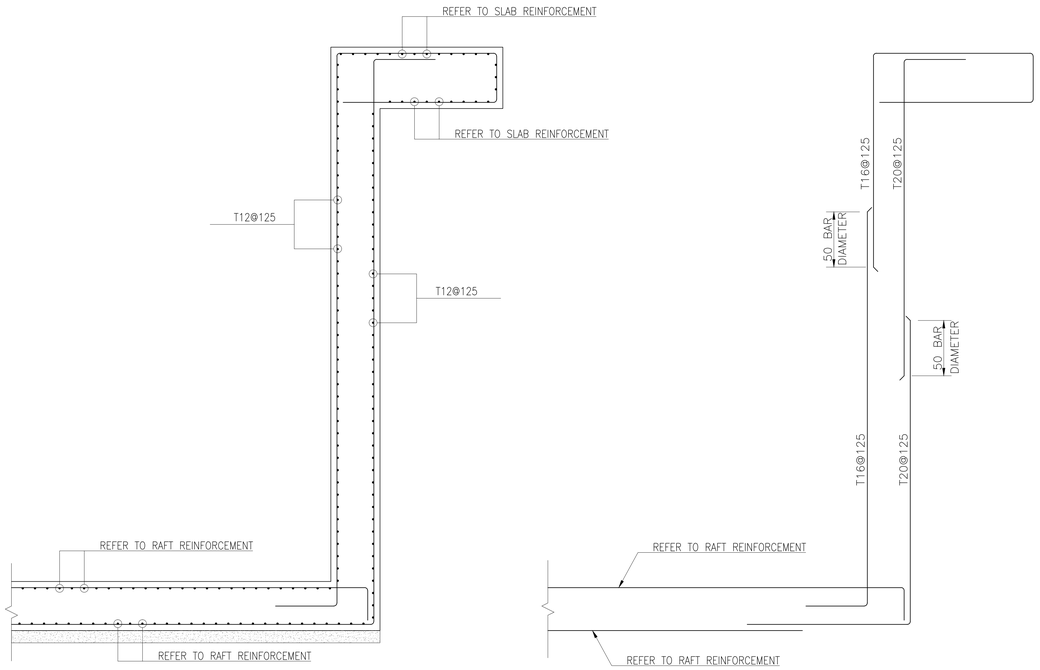
DRAWING NAME

RETAINING WALL
CONCRETE DIMENSION

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

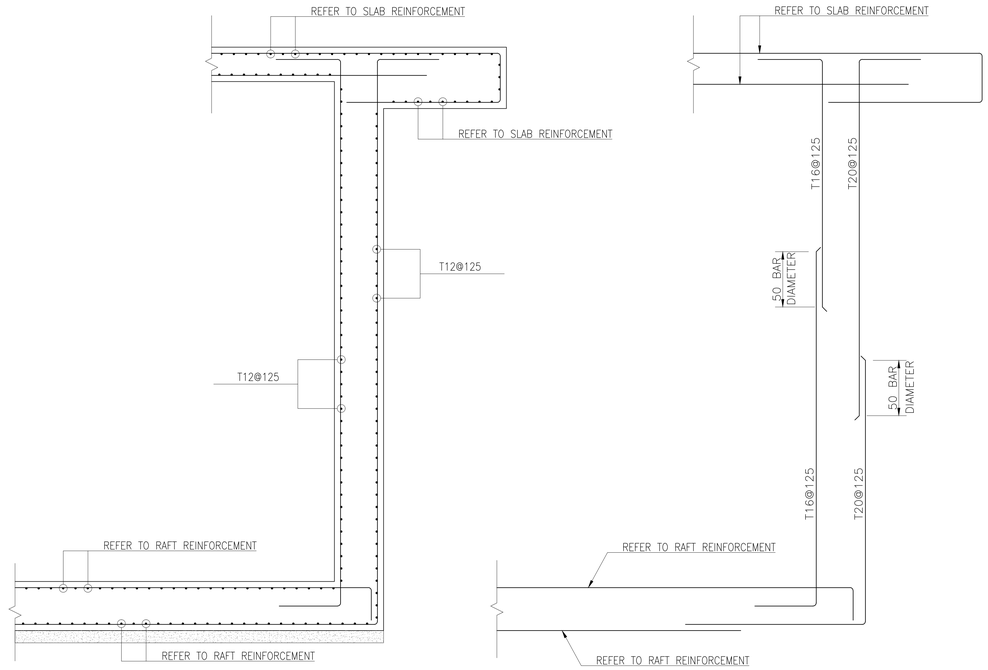
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



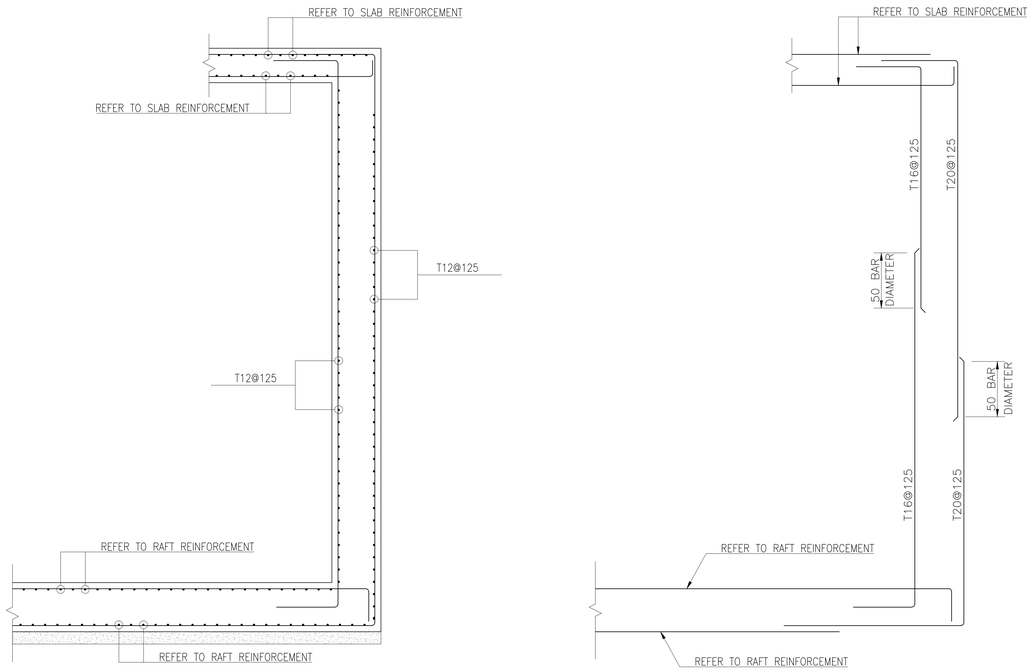
RETAINING WALL - REINFORCEMENTDTAILS AT OPEN PART AT SHOWRING AARE

SCALE 1:25



RETAINING WALL - REINFORCEMENT DETAILS AT CLOSED PART AT SHOWRING AARE

SCALE 1:25



RETAINING WALL - REINFORCEMENT DETAILS AT BULDING AREA

SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

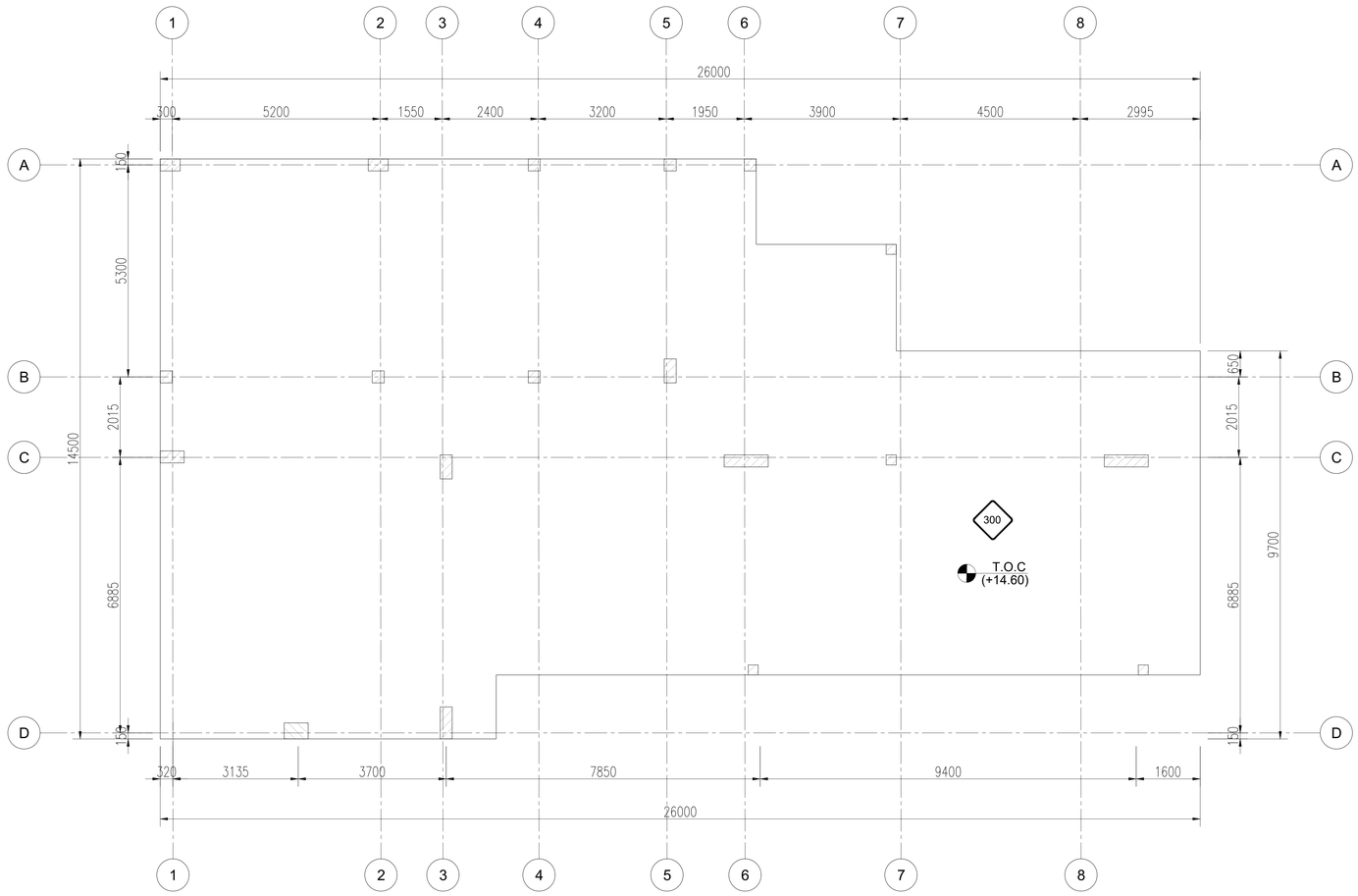
DRAWING NAME

RETAINING WALL
REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECOND FLOOR SLAB - CONCRETE DIMENSION

SCALE 1:75

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 _____ 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 .

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

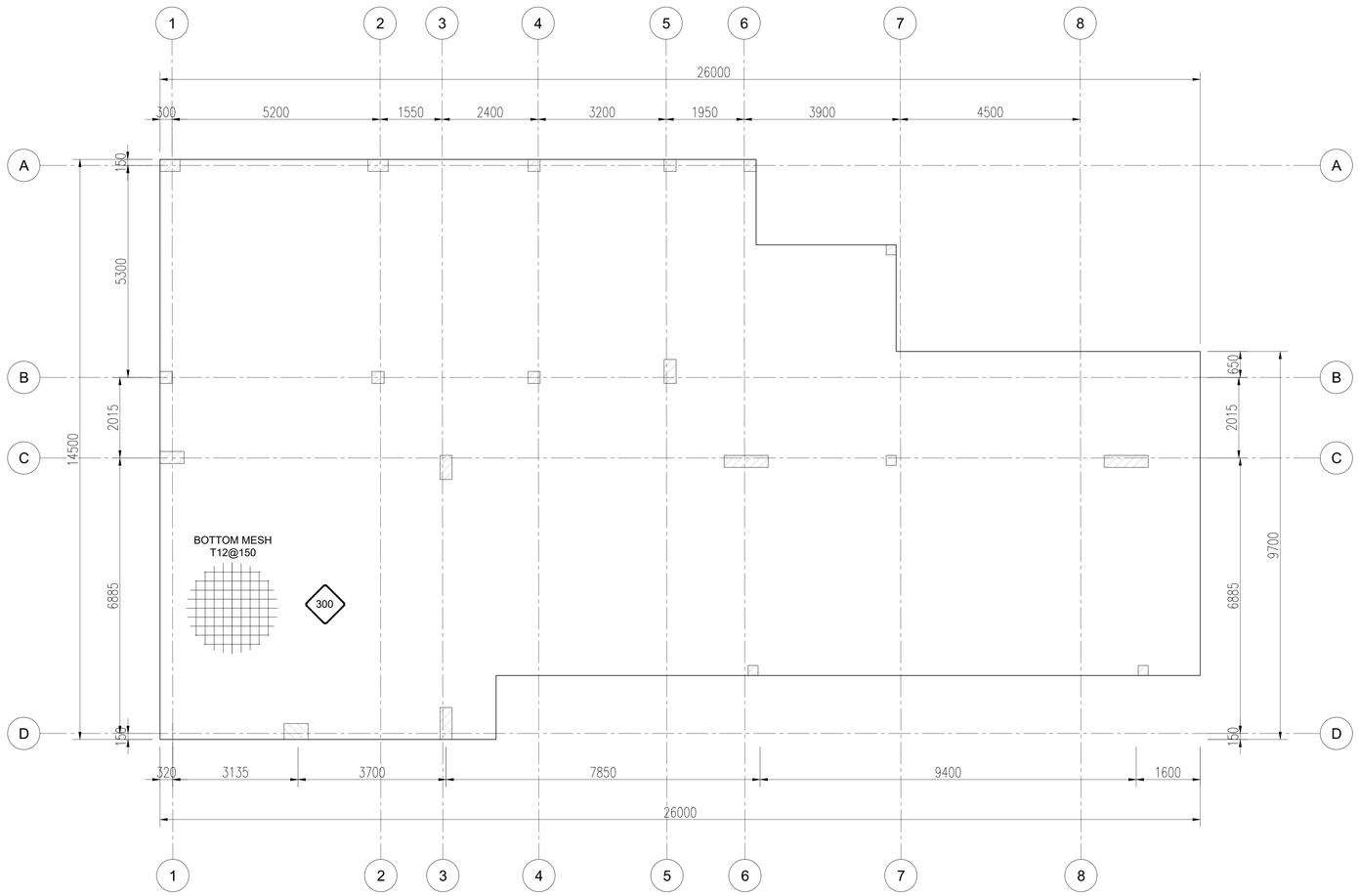
DRAWING NAME

SECOND FLOOR
CONCRETE DIMENSION

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECOND FLOOR SLAB - LOWER REINFORCEMET

SCALE 1:75

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 _____ 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 .

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

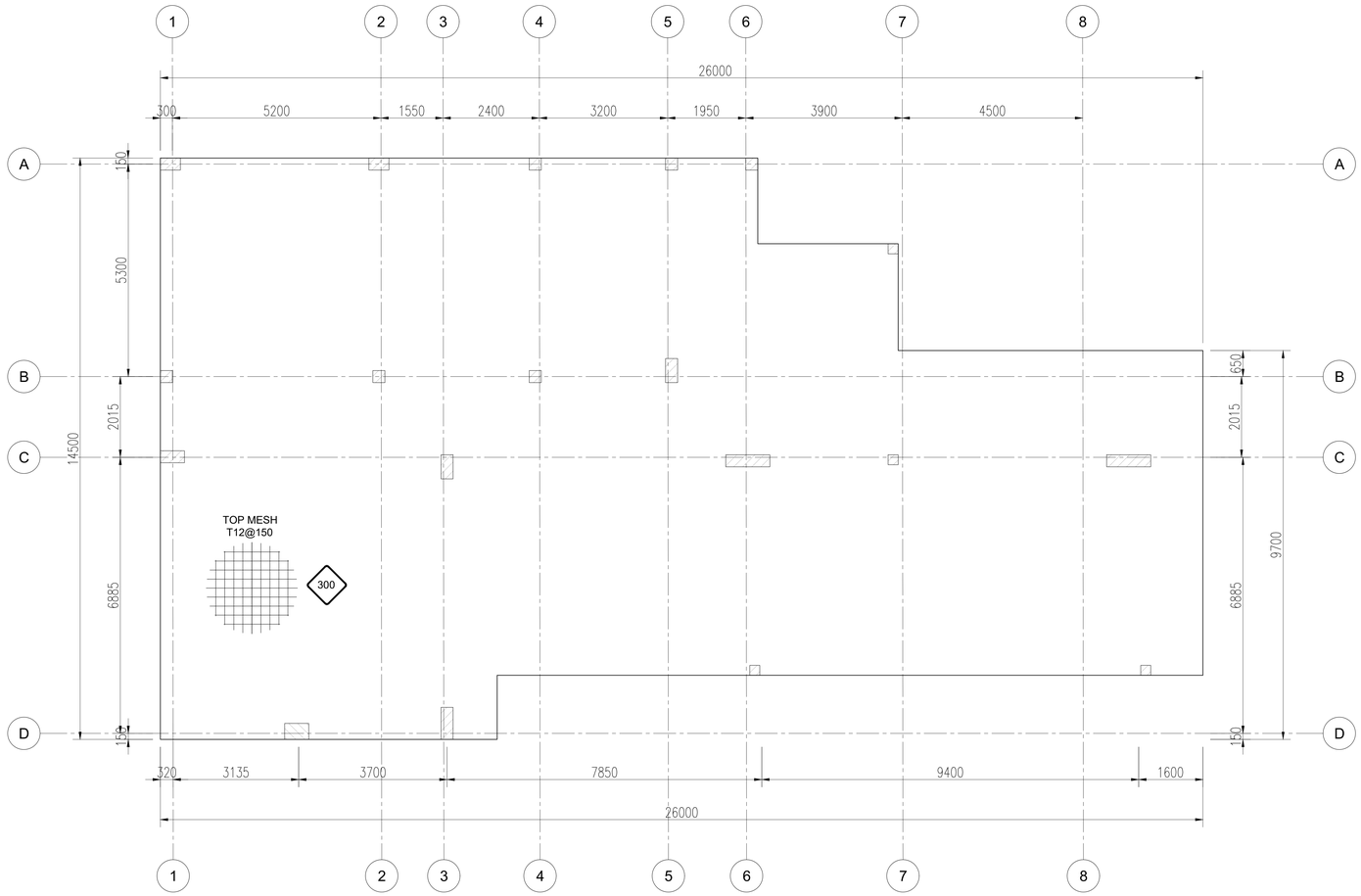
DRAWING NAME

SECOND FLOOR
LOWER REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECOND FLOOR SLAB - UPPER REINFORCEMET

SCALE 1:75

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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

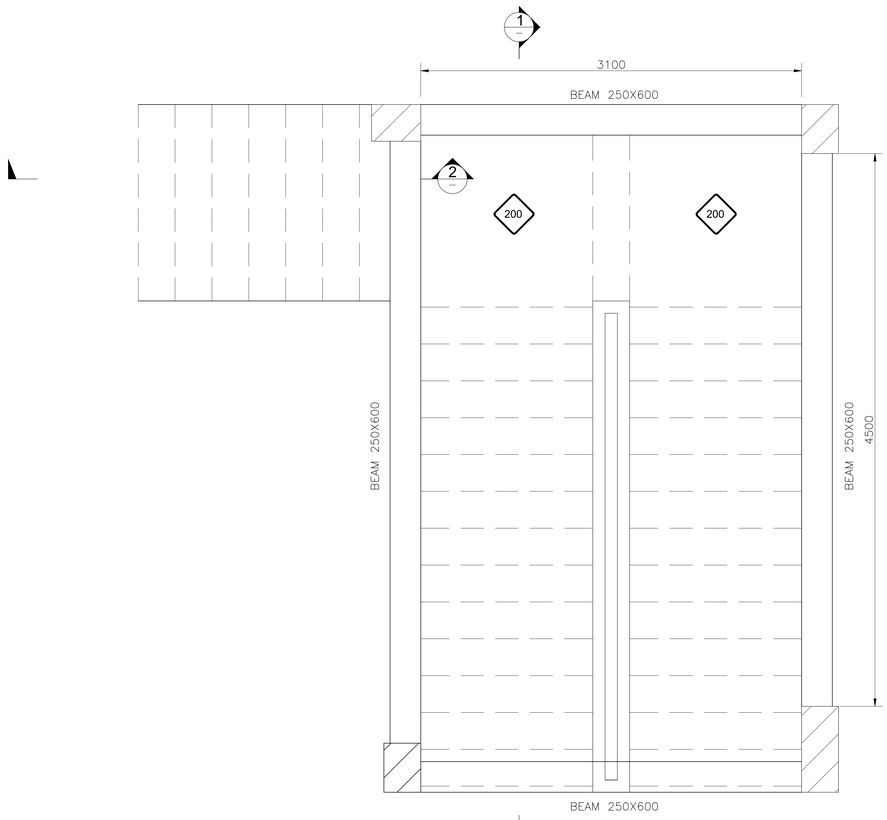
DRAWING NAME

SECOND FLOOR
UPPER REINFORCEMENT DETAILS

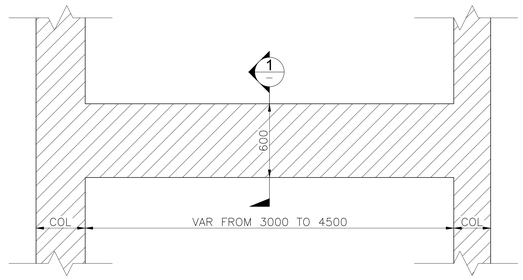
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

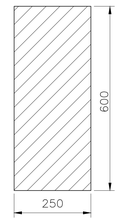
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



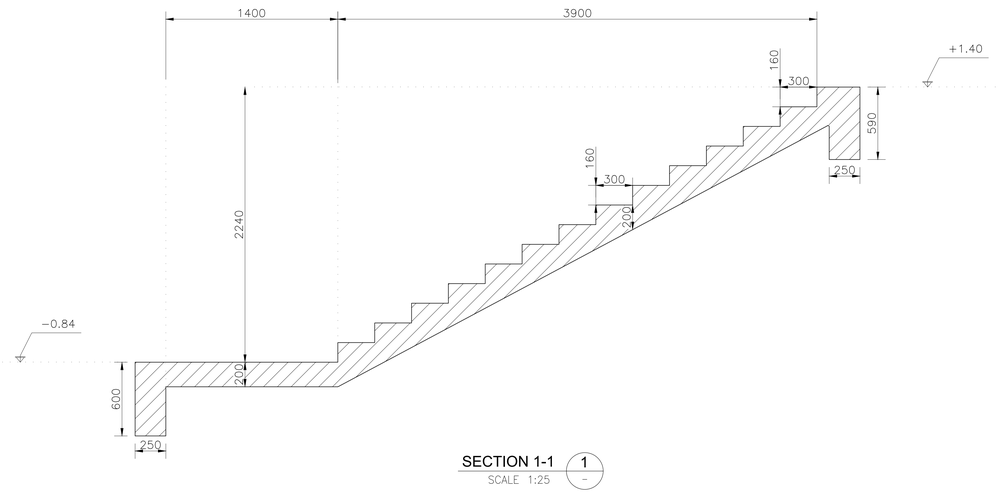
STAIRS PLAN - CONCRETE DIMENSIONS
SCALE 1:25



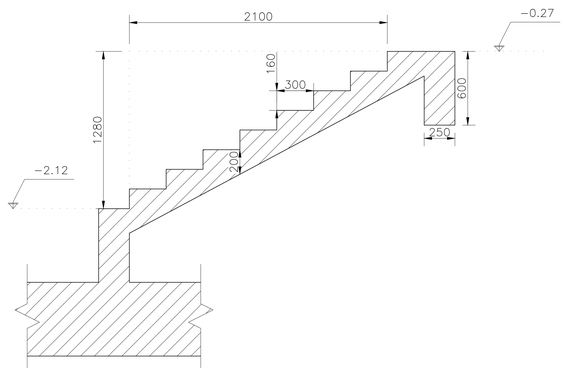
BEAM 1 - CONCRETE DIMENSIONS
SCALE 1:25



SECTION 1
SCALE 1:10



SECTION 1-1 (1)
SCALE 1:25



SECTION 2-2 (2)
SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

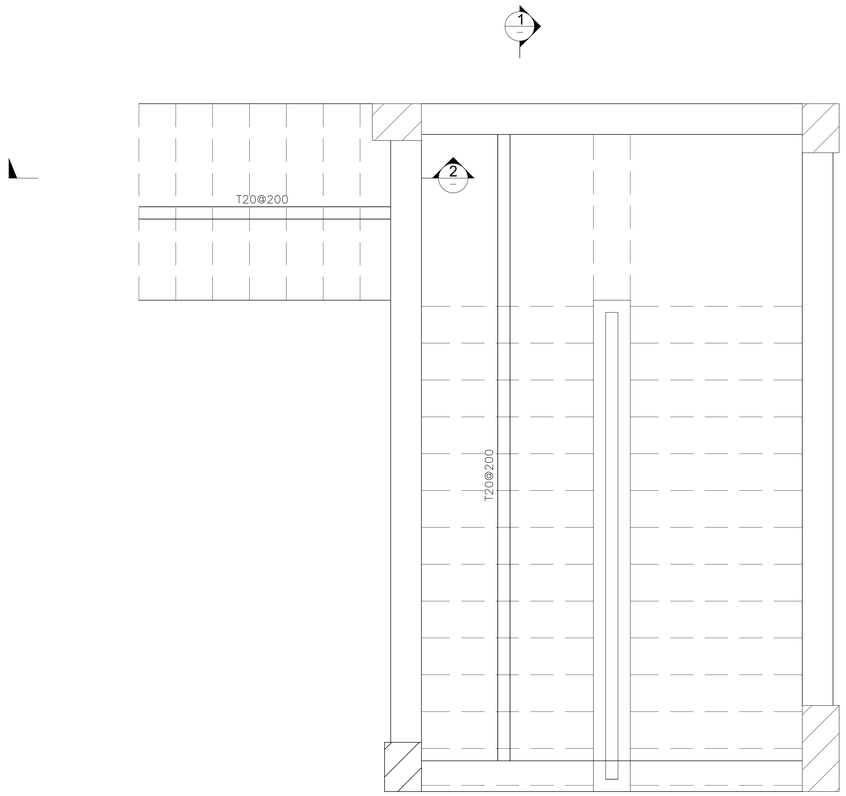
DRAWING NAME

BASEMENT TO GROUND STAIRS CONCRETE DIMENSIONS

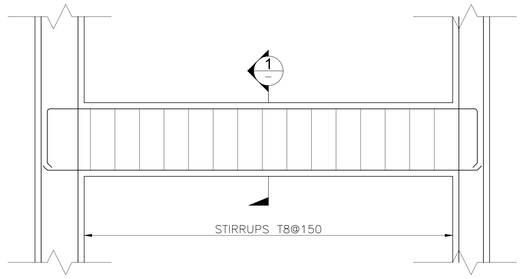
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

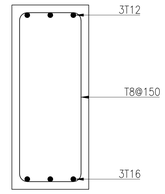
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

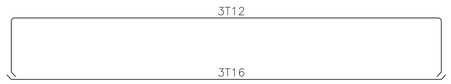


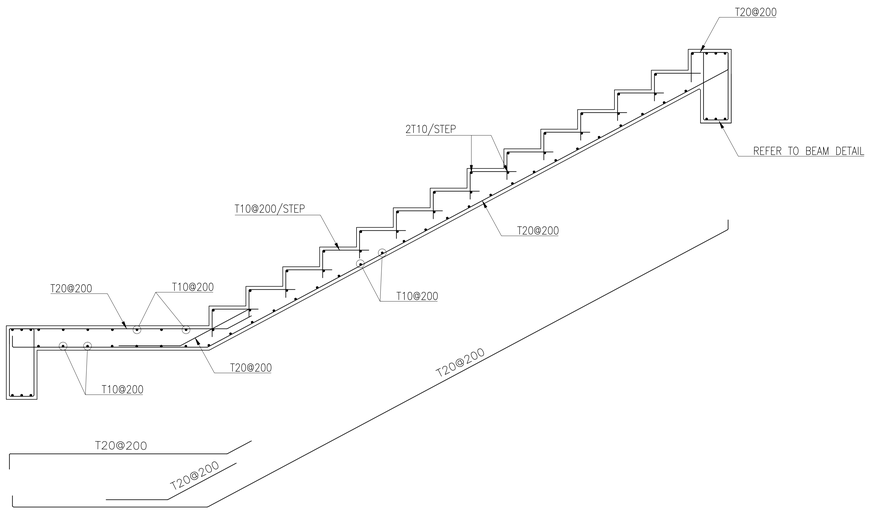
STAIRS PLAN - REINFORCEMENT DETAILS
SCALE 1:25



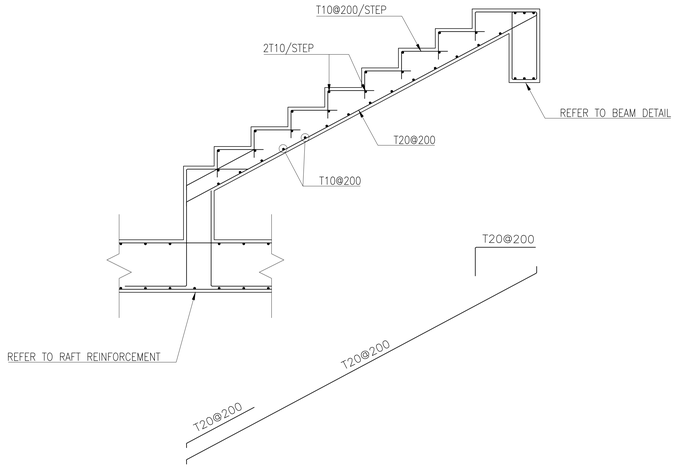


SECTION 1 – SCALE 1:10





SECTION 1-1 – 1 – SCALE 1:25



SECTION 1-1 – 1 – SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

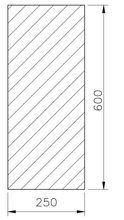
DRAWING NAME

BASEMENT TO GROUND STAIRS REINFORCEMENT DETAILS

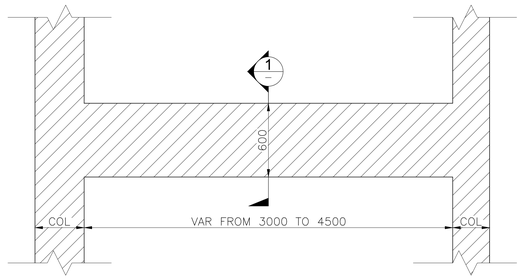
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

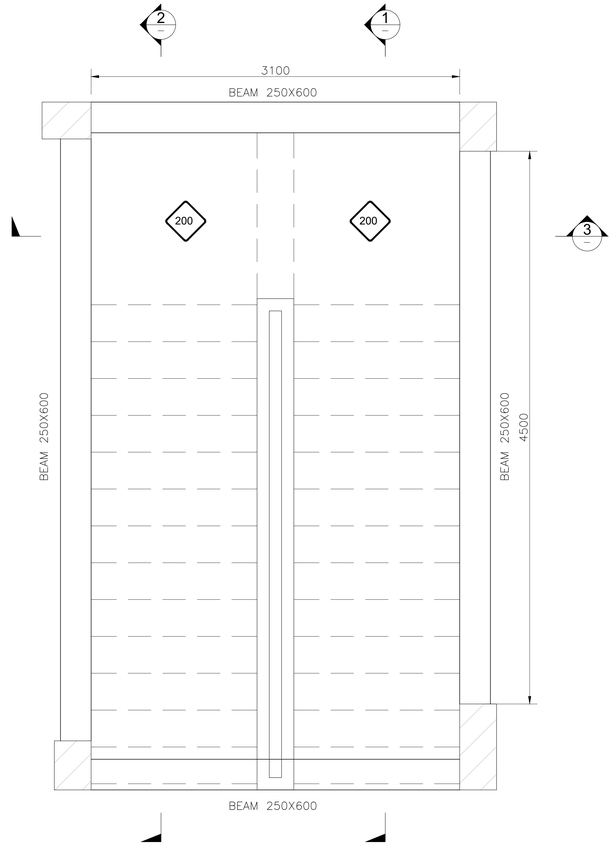
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



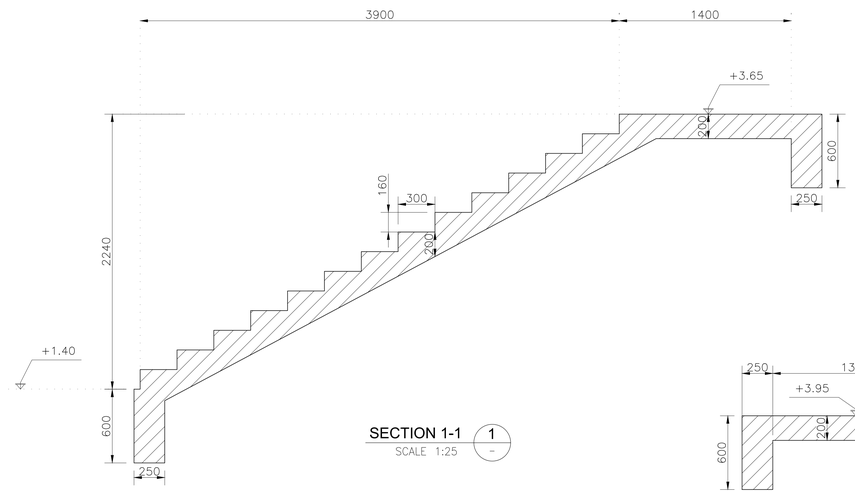
SECTION 1 (1/–)
SCALE 1:10



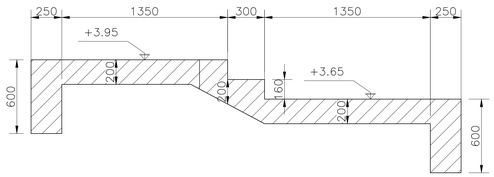
BEAM 1 - CONCRETE DIMENSIONS
SCALE 1:25



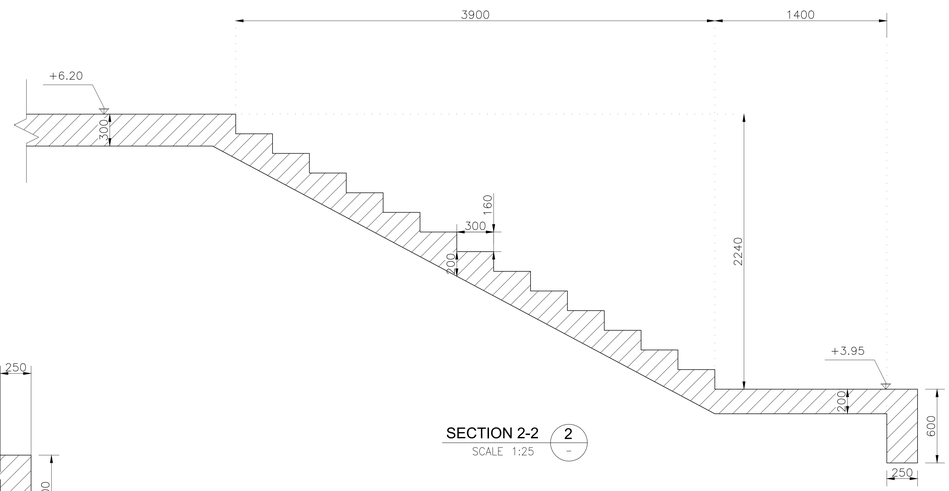
STAIRS - CONCRETE DIMENSIONS
SCALE 1:25



SECTION 1-1 (1/–)
SCALE 1:25



SECTION 3-3 (3/–)
SCALE 1:25



SECTION 2-2 (2/–)
SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

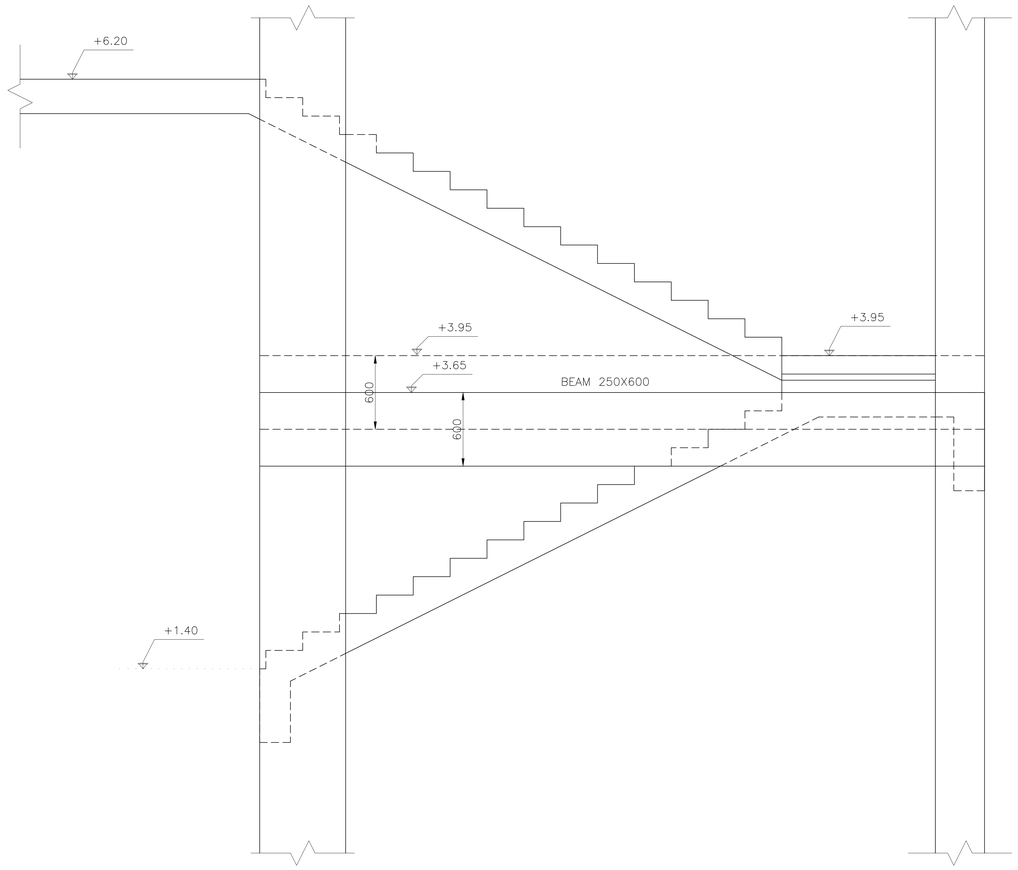
DRAWING NAME

GROUND TO FIRST STAIRS CONCRETE DIMENSIONS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



ELEVATION FOR THE STAIRS

SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

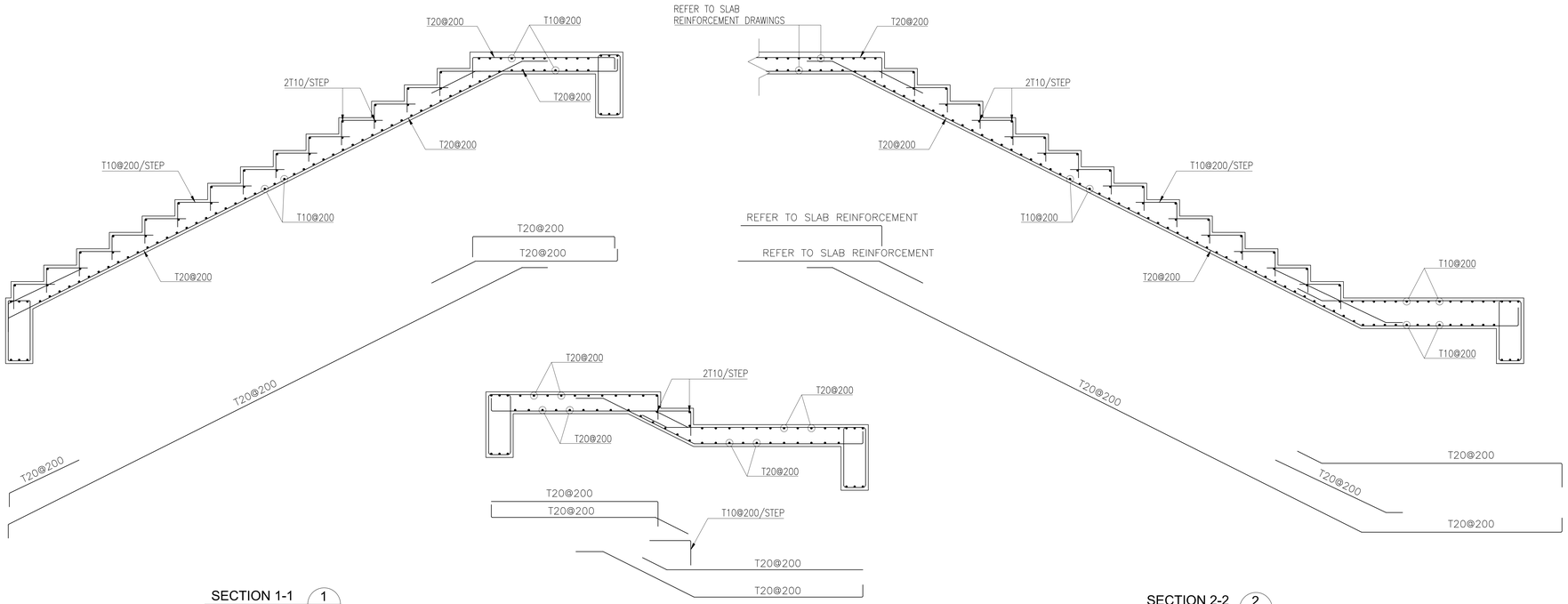
DRAWING NAME

GENERAL DETAILS FOR STAIRS LOADING

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

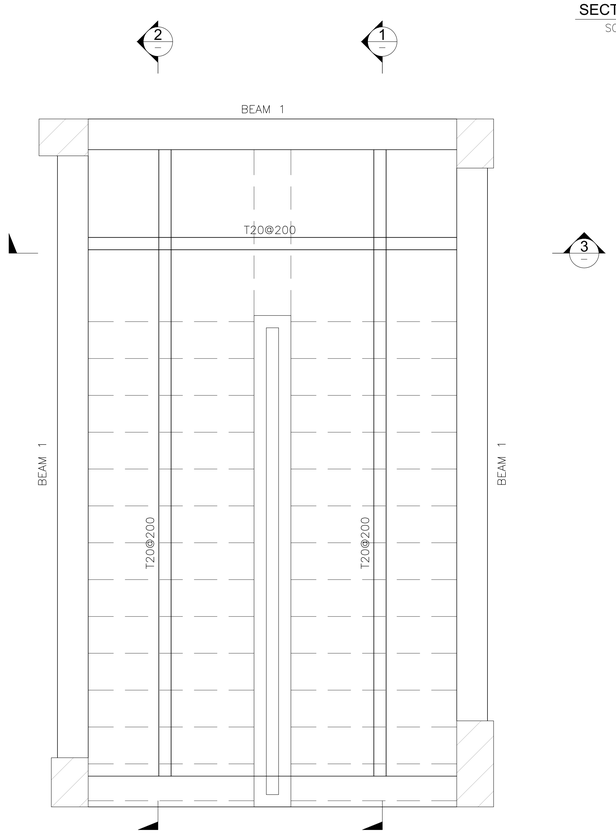
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



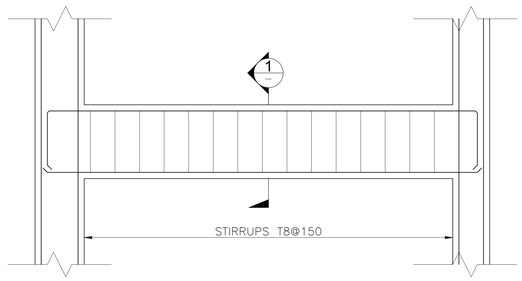
SECTION 1-1 (1) — SCALE 1:25

SECTION 2-2 (2) — SCALE 1:25

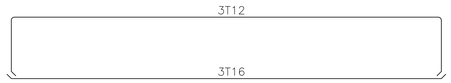
SECTION 3-3 (3) — SCALE 1:25

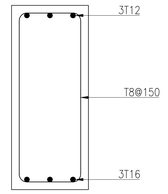


STAIRS PLAN - REINFORCEMENT DETAILS
SCALE 1:25



BEAM 1 - REINFORCEMENT DETAILS
SCALE 1:25





SECTION (1) — SCALE 1:10

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

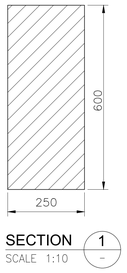
DRAWING NAME

GROUND TO FIRST STAIRS REINFORCEMENT DETAILS

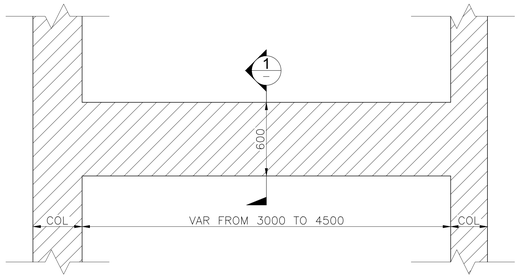
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

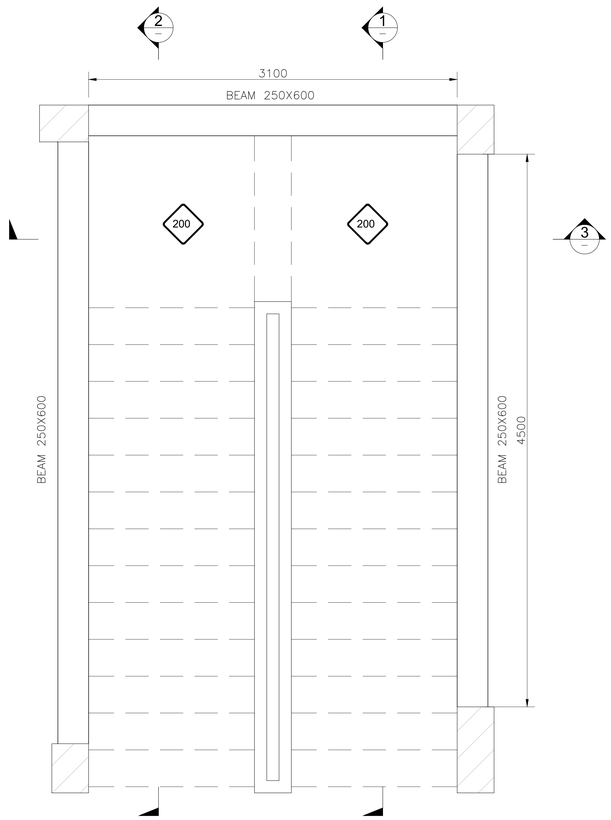
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



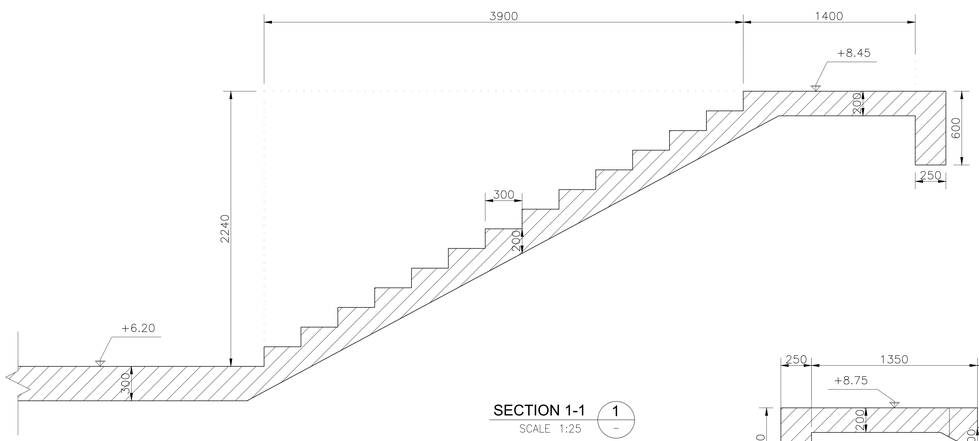
SECTION 1 (–)
SCALE 1:10



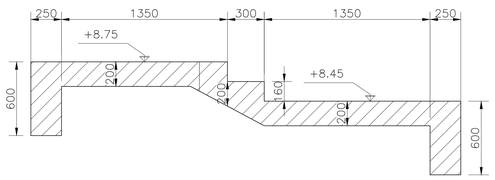
BEAM 1 - CONCRETE DIMENSIONS
SCALE 1:25



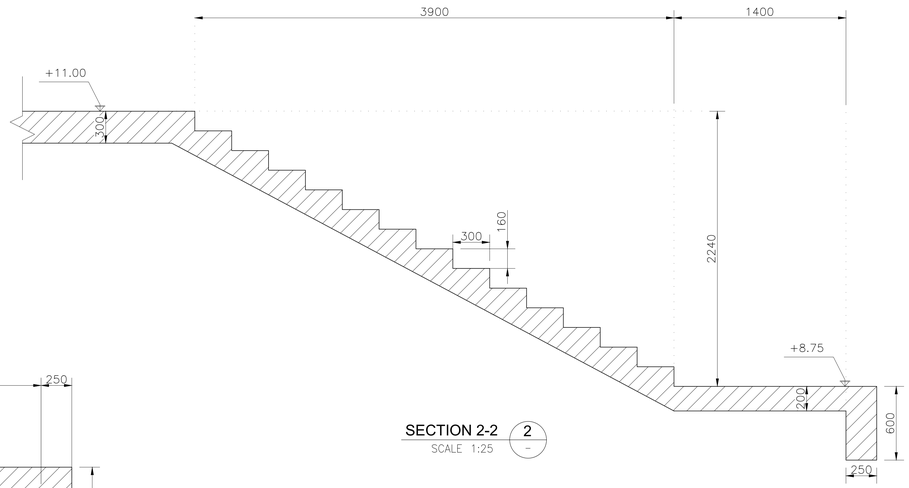
STAIRS - CONCRETE DIMENSIONS
SCALE 1:25



SECTION 1-1 (1)
SCALE 1:25



SECTION 3-3 (3)
SCALE 1:25



SECTION 2-2 (2)
SCALE 1:25

KEY PLAN

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

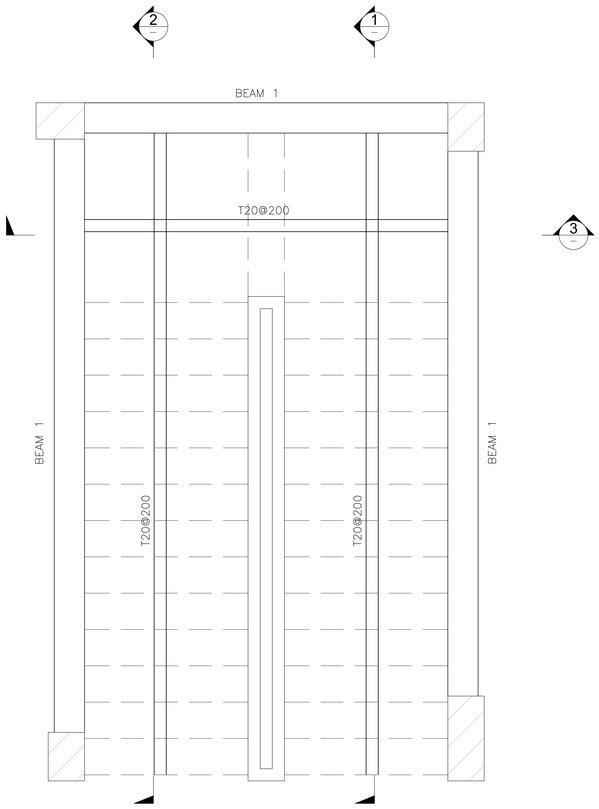
DRAWING NAME

FIRST TO SECOND STAIRS CONCRETE DIMENSIONS

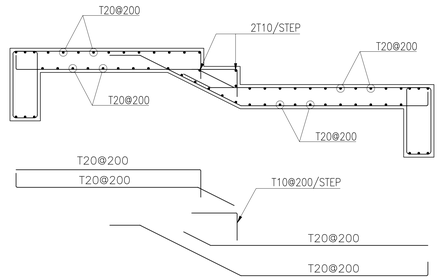
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

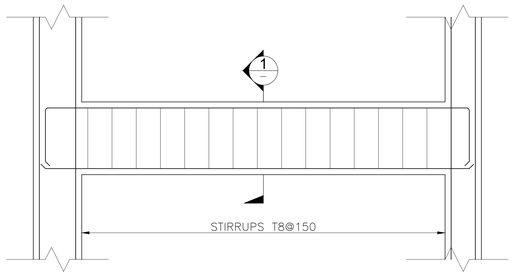
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

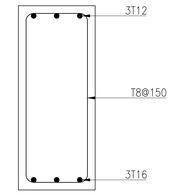


STAIRS PLAN - REINFORCEMENT DETAILS
SCALE 1:25

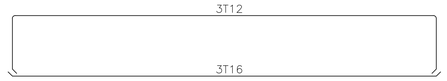


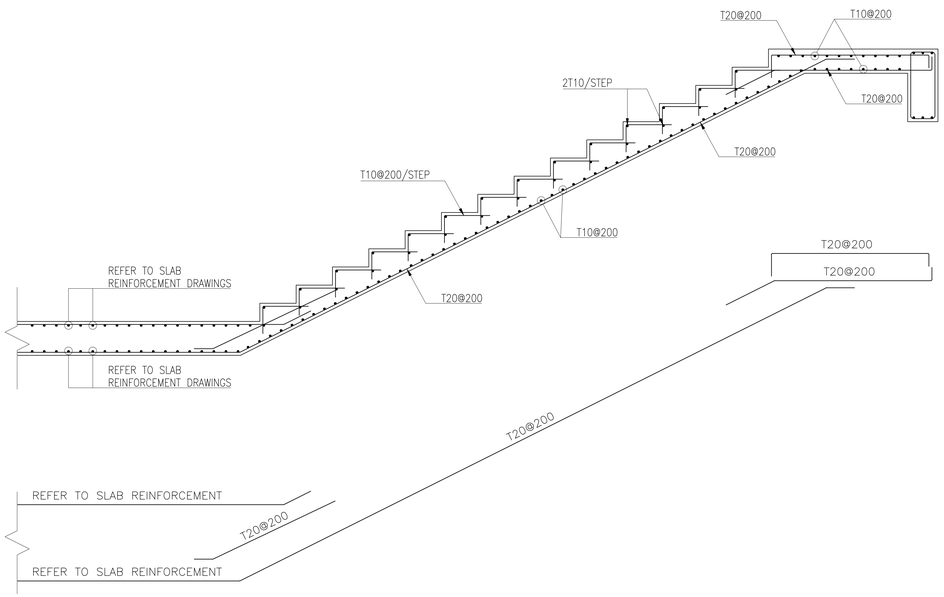
SECTION 3-3 (3)
SCALE 1:25



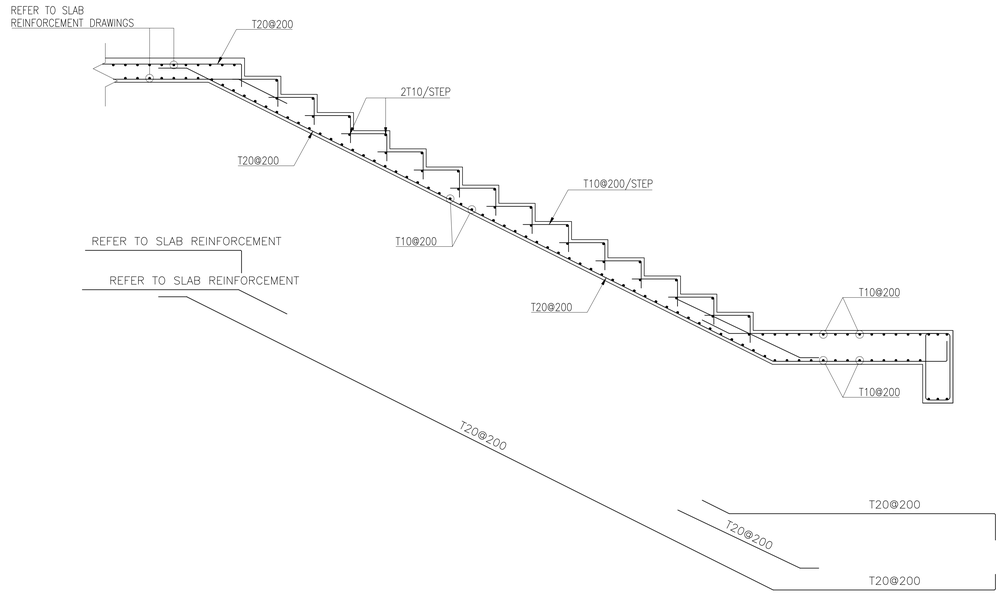


SECTION 1-1
SCALE 1:10





SECTION 2-2 (2)
SCALE 1:25



SECTION 1-1 (1)
SCALE 1:25

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

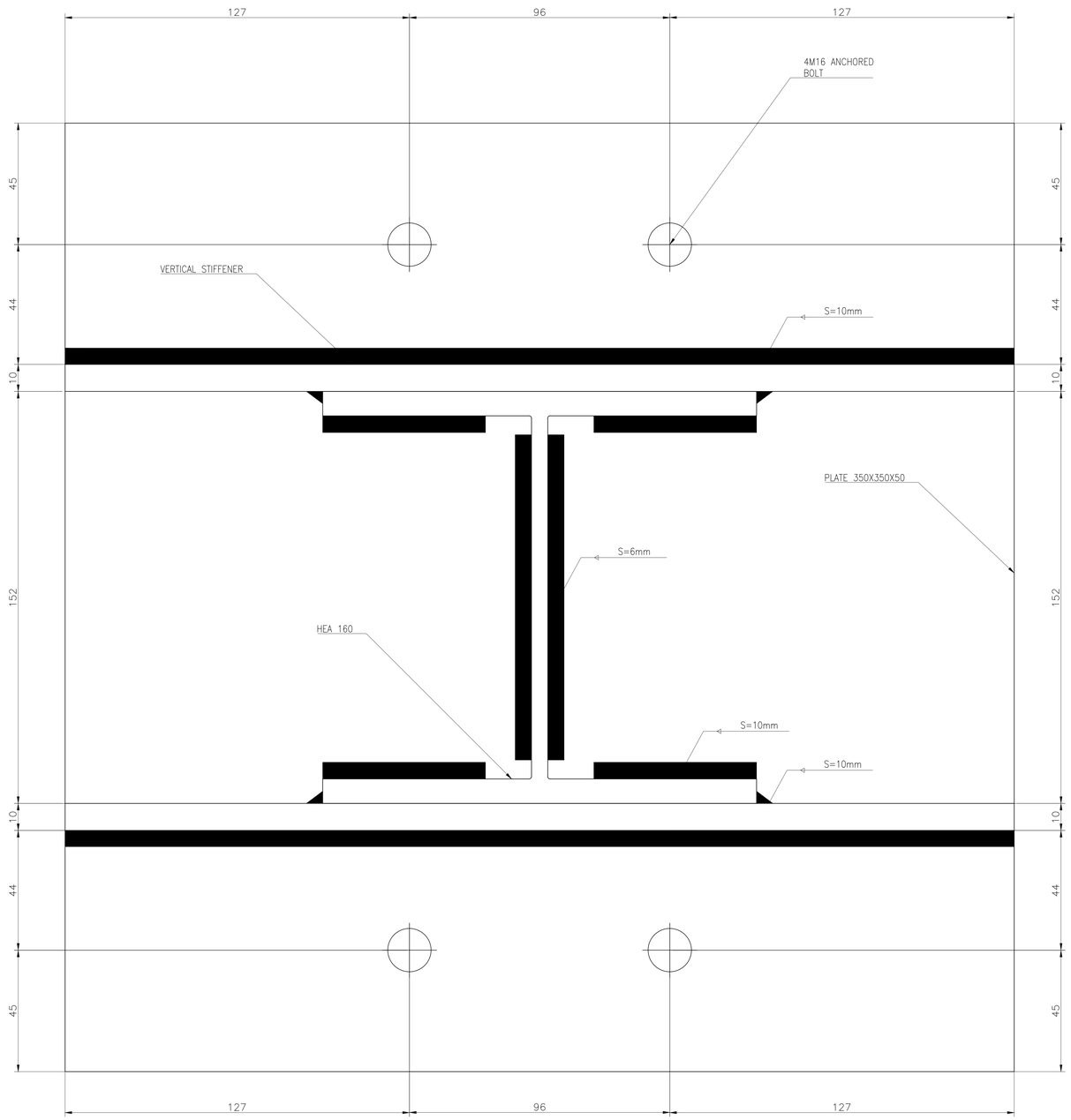
DRAWING NAME

FIRST TO SECOND STAIRS REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



DETAIL A PLAN

SCALE 1:1

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

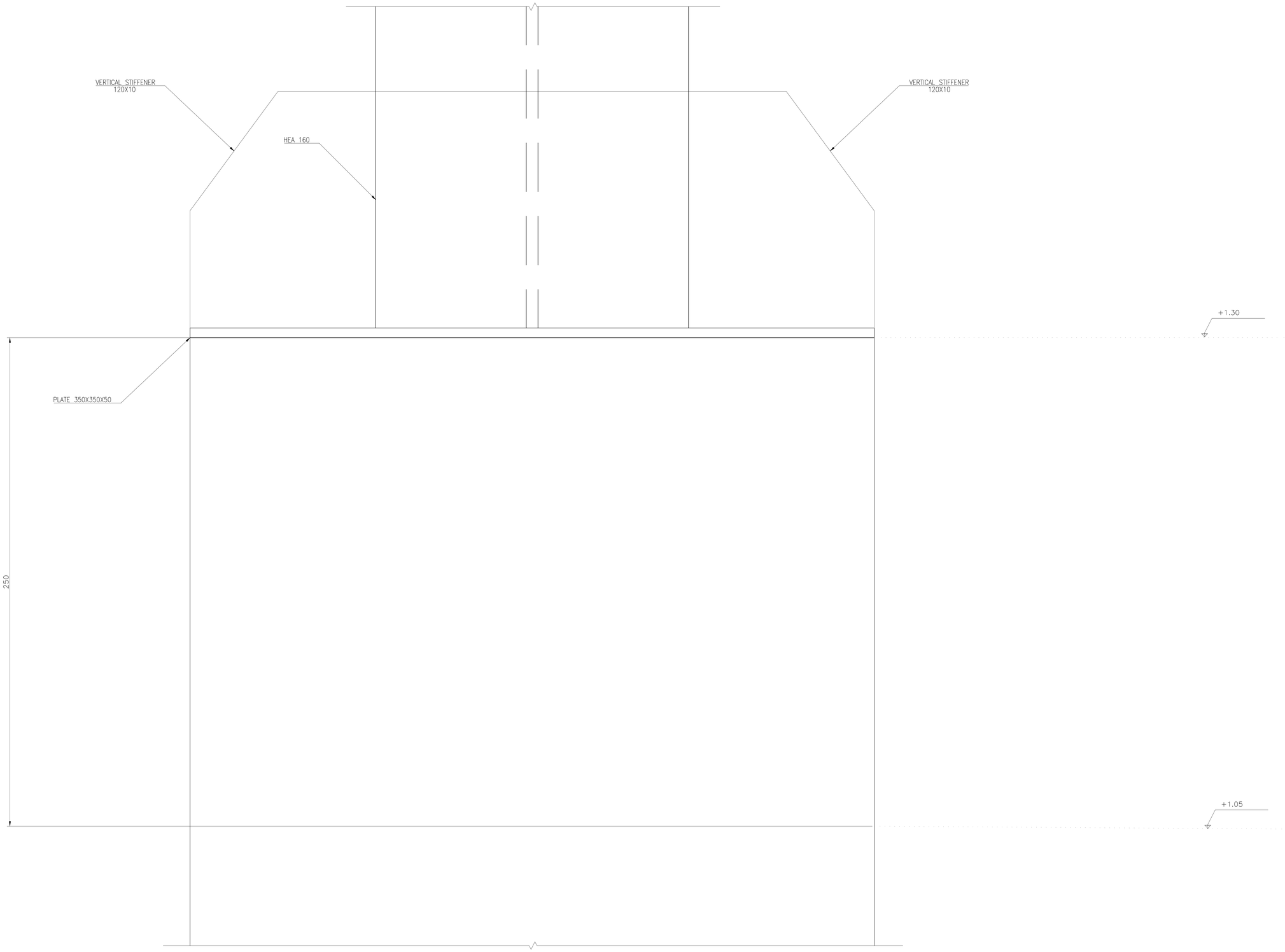
DRAWING NAME

STEEL CONFECTION AT DETAIL A SHEET 1/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



DETAIL A ELEVATION

SCALE 1:1

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

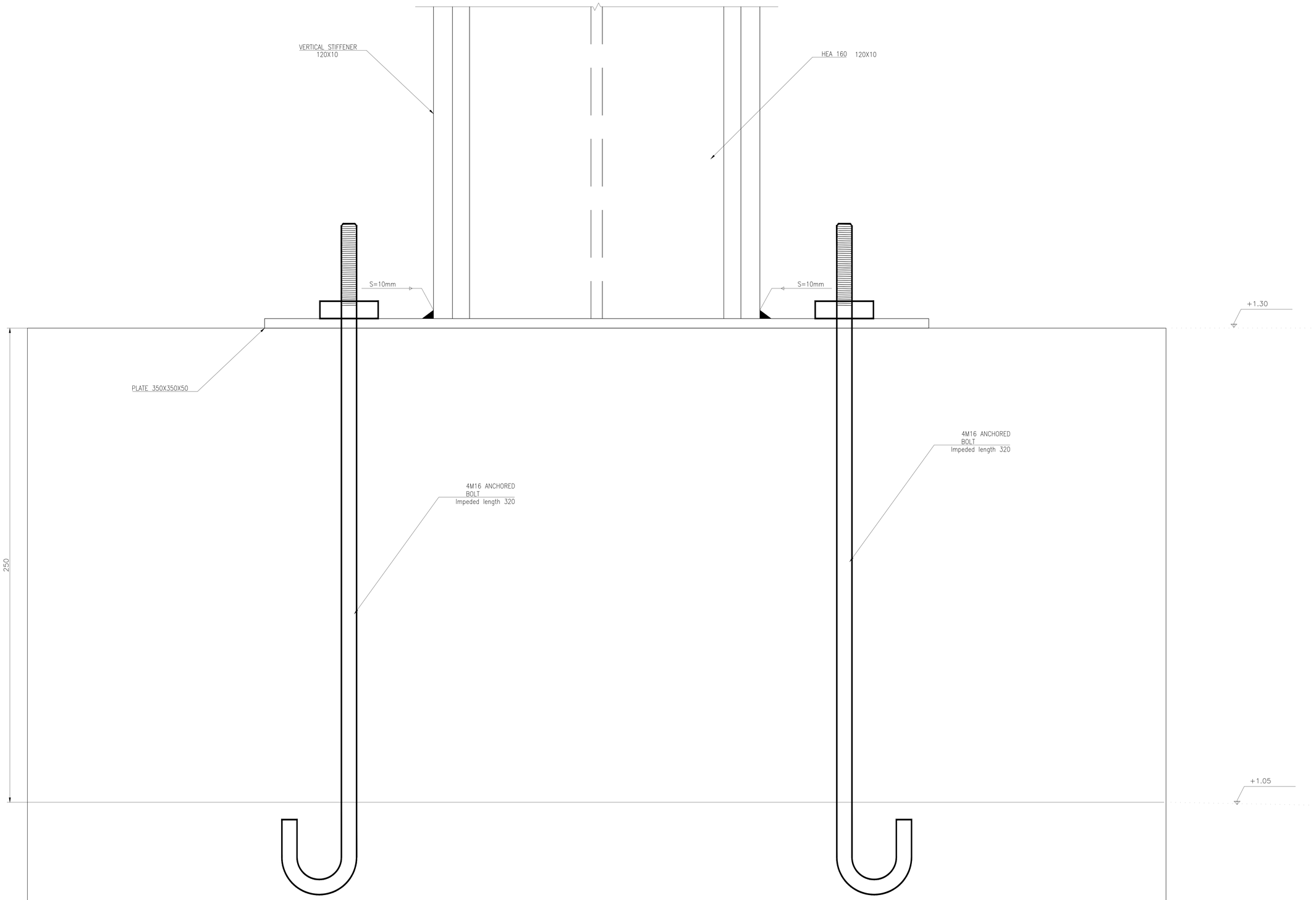
DRAWING NAME

STEEL CONFECTION AT DETAIL A SHEET 2/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



DETAIL A SECTION
SCALE 1:1

KEY PLAN

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

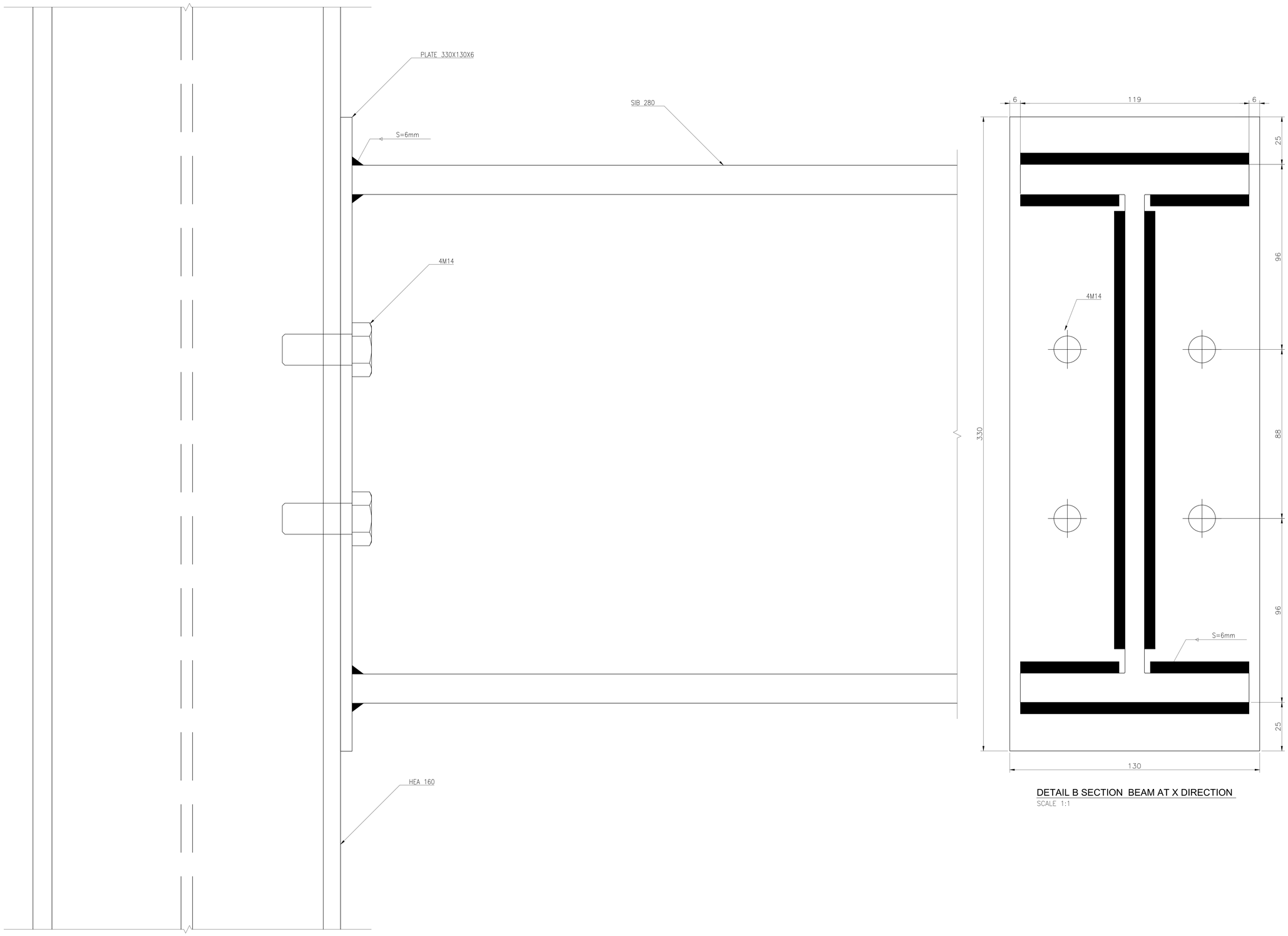
DRAWING NAME

STEEL CONFECTION AT DETAIL A
SHEET 3/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



DETAIL B ELEVATION BEAM AT X DIRECTION

SCALE 1:1

DETAIL B SECTION BEAM AT X DIRECTION

SCALE 1:1

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

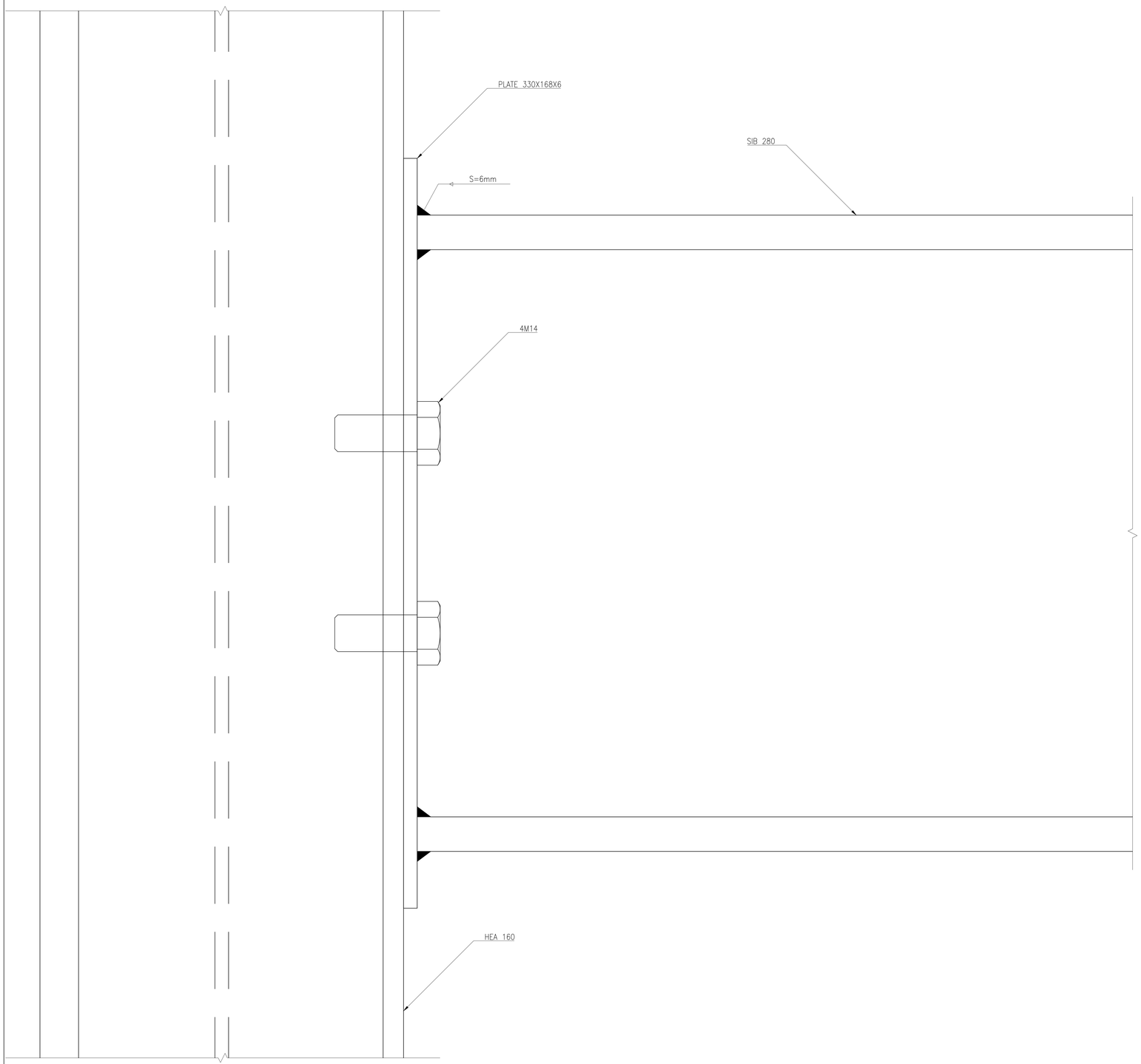
DRAWING NAME

STEEL CONFECTION AT DETAIL B FOR BEAM IN X DIRECTION

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

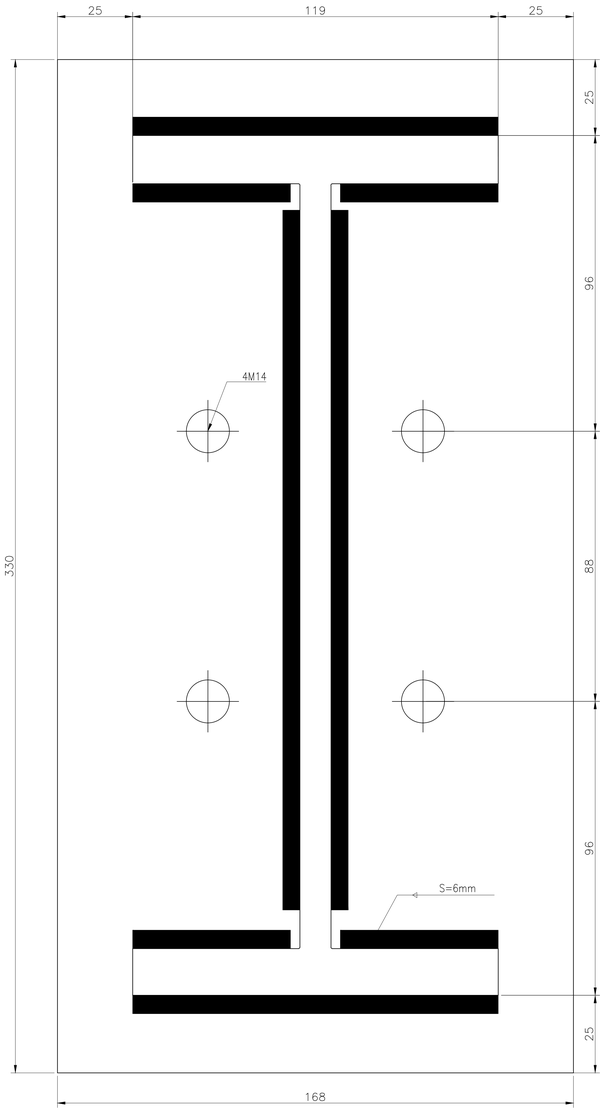
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



DETAIL B ELEVATION BEAM AT X DIRECTION

SCALE 1:1



DETAIL B SECTION BEAM AT X DIRECTION

SCALE 1:1

KEY PLAN

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

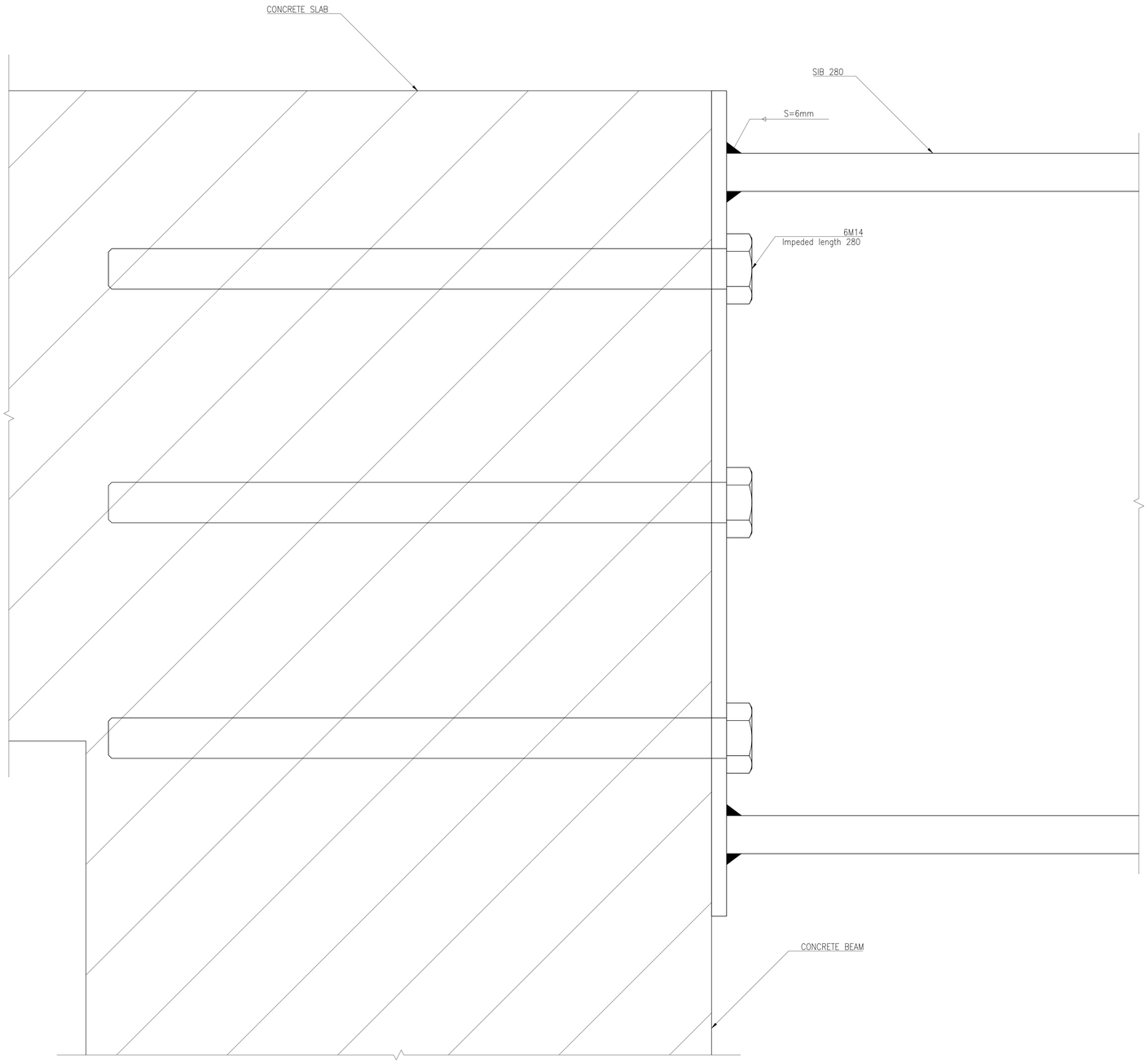
DRAWING NAME

STEEL CONFECTION AT DETAIL B FOR BEAM IN Y DIRECTION

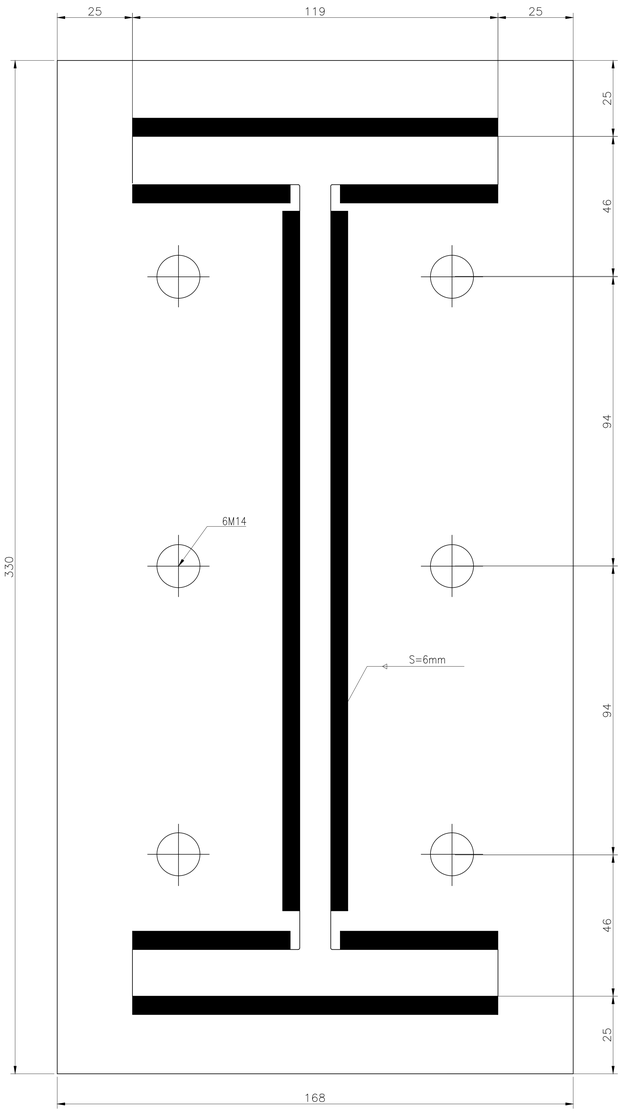
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



DETAIL C ELEVATION
SCALE 1:1



DETAIL C SECTION
SCALE 1:1

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

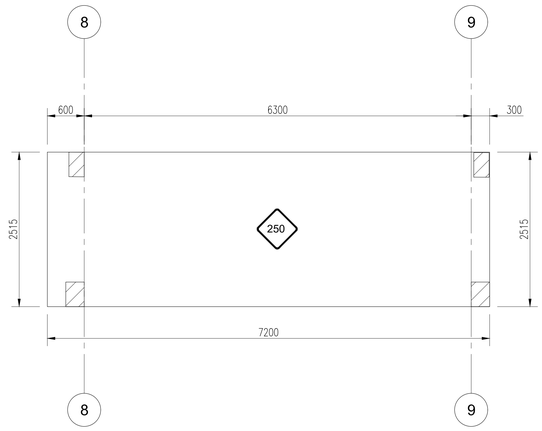
DRAWING NAME

STEEL CONNECTION AT DETAIL C

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

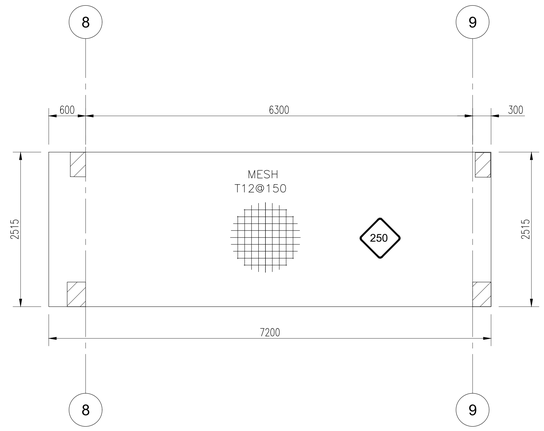
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



GARDEN ROOM - CONCRETE DIMENSION

SCALE 1:50



GARDEN ROOM - REINFORCEMENT DETAILS

SCALE 1:50

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 _____ 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 .

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

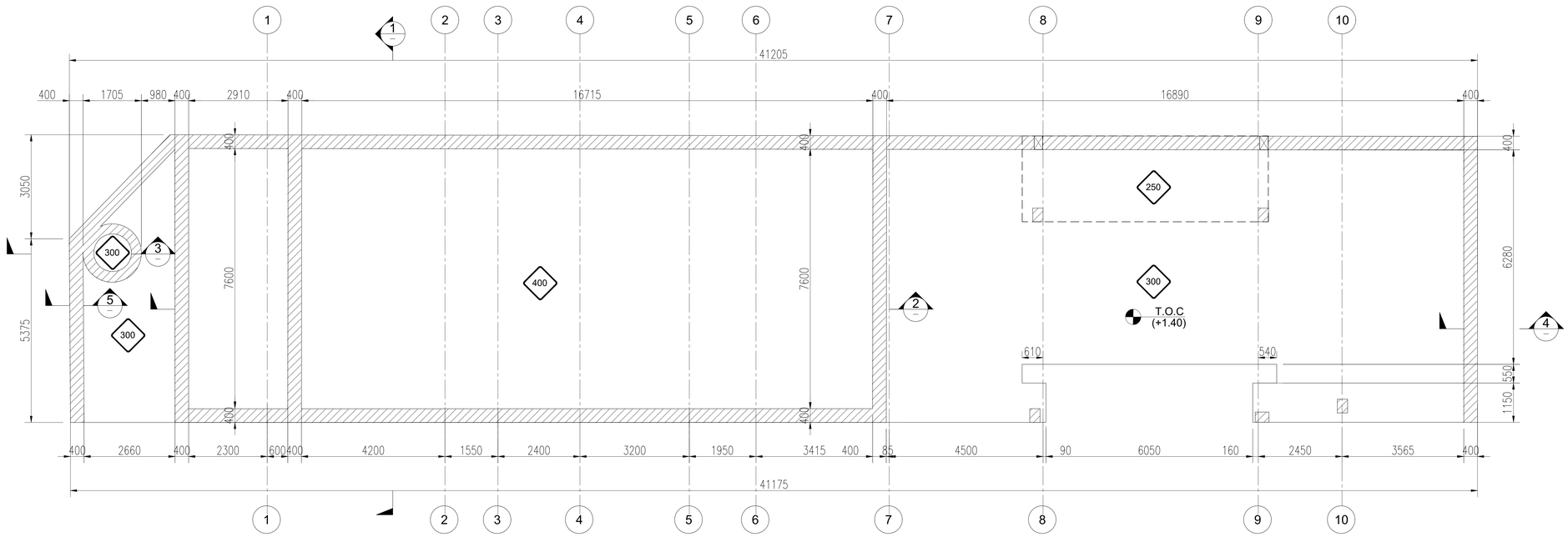
DRAWING NAME

GARDEN ROOM CONCRETE DIMENSION & REINFORCEMENT DETAILS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



TANK SLAB - CONCRETE DIMENSION

SCALE 1:75

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 _____ 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 .

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

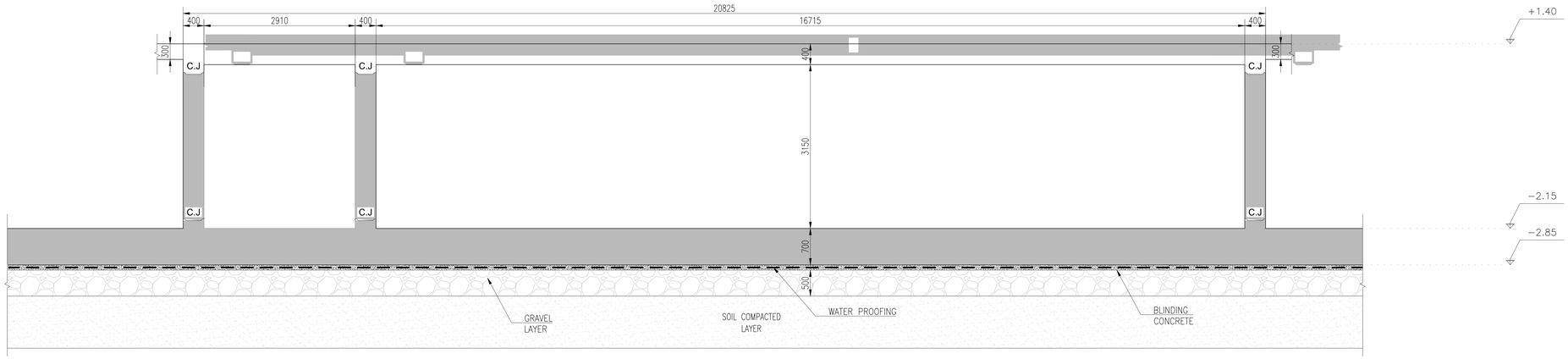
DRAWING NAME

TANKS - CONCRETE DIMENSIONS SHEET 1/3

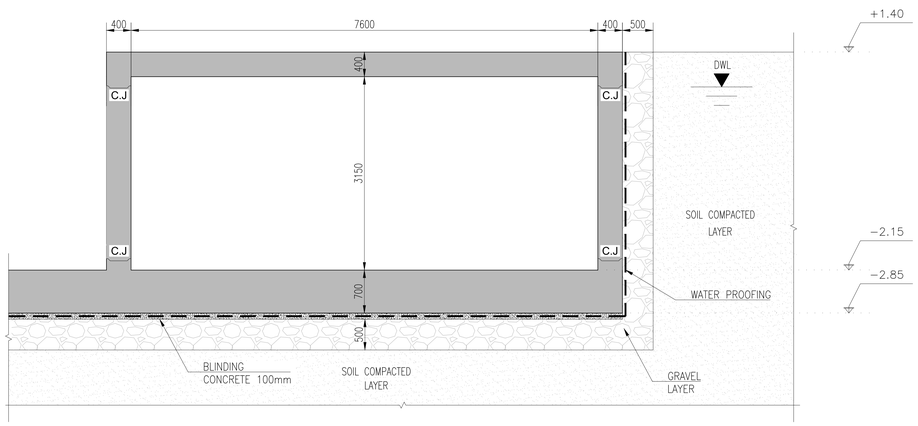
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

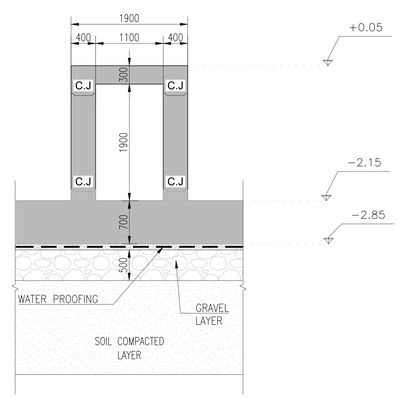
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



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



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



SECTION 3-3 - CONCRETE DIMENSIONS (3)
SCALE 1:50

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

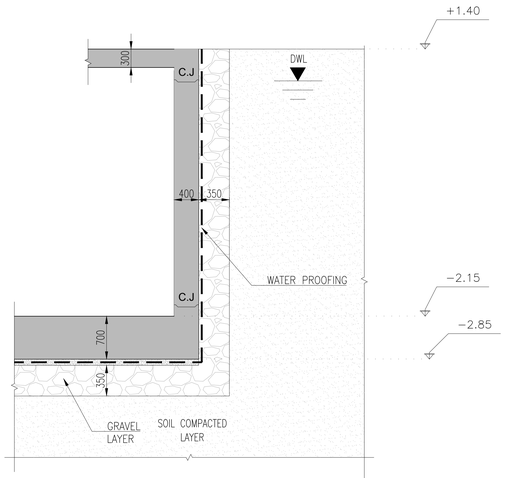
DRAWING NAME

TANKS - CONCRETE DIMENSIONS SHEET 2/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

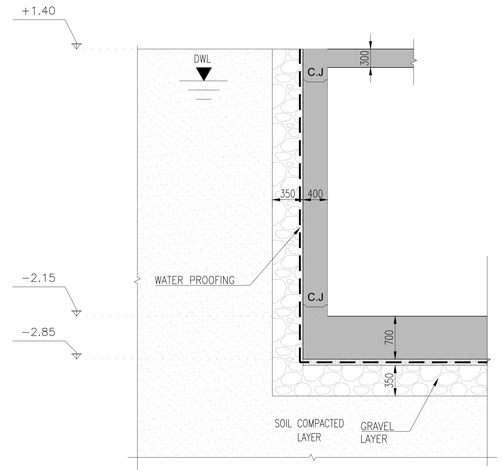
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



SECTION 4-4 - CONCRETE DIMENSIONS 4

SCALE 1:50 –



SECTION 5-5 - CONCRETE DIMENSIONS 5

SCALE 1:50 –

KEY PLAN

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

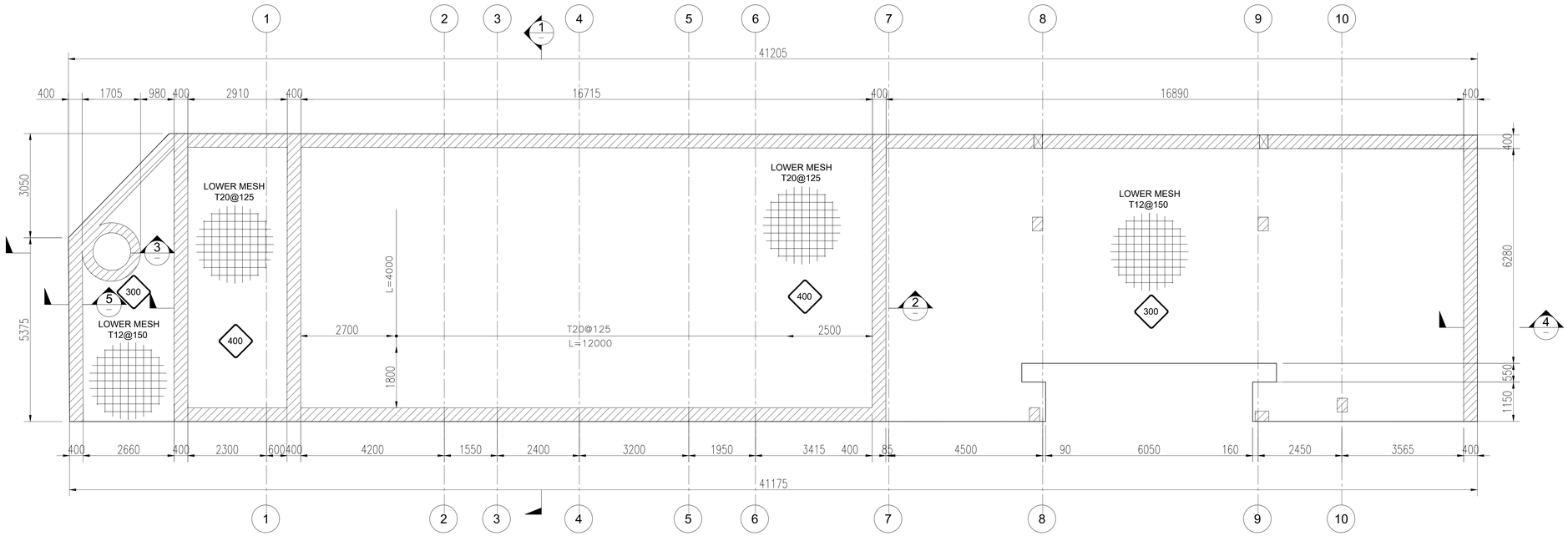
DRAWING NAME

TANKS - CONCRETE DIMENSIONS SHEET 3/3

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

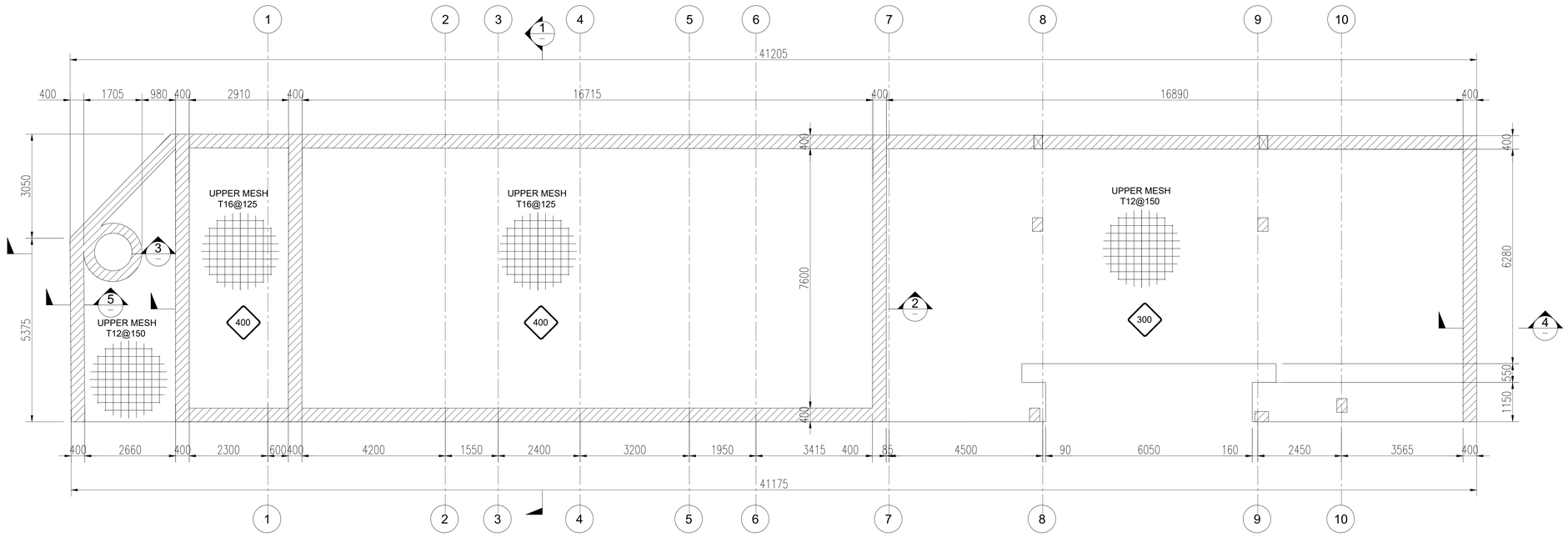
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



TANK SLAB - LOWER MESH REINFORCEMENT DETAILS

SCALE 1:75



TANK SLAB - UPPER MESH REINFORCEMENT DETAILS

SCALE 1:75

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 .

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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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

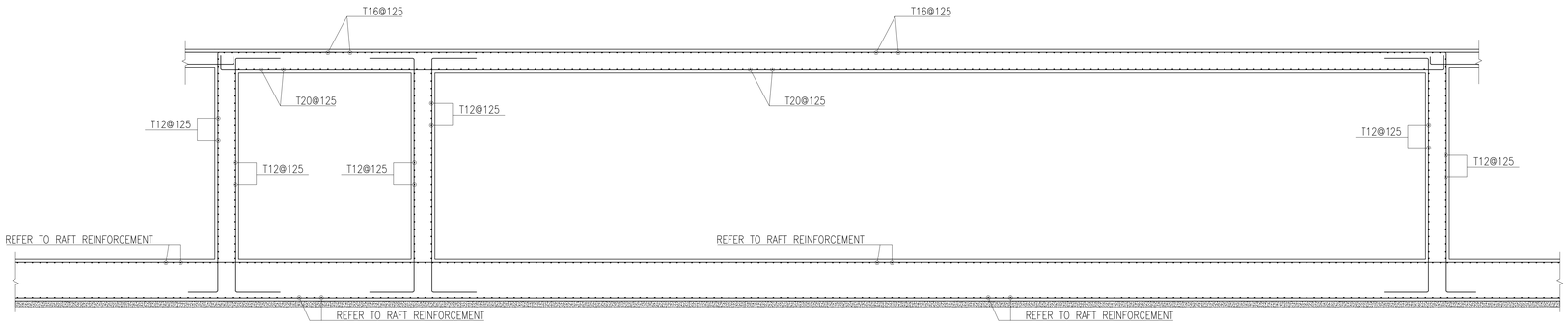
DRAWING NAME

TANKS - REINFORCEMENT DETAILS SHEET 1/2

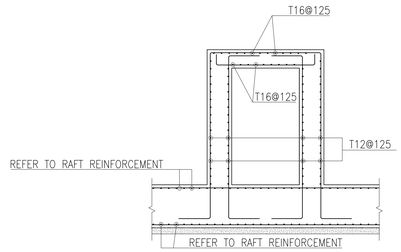
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

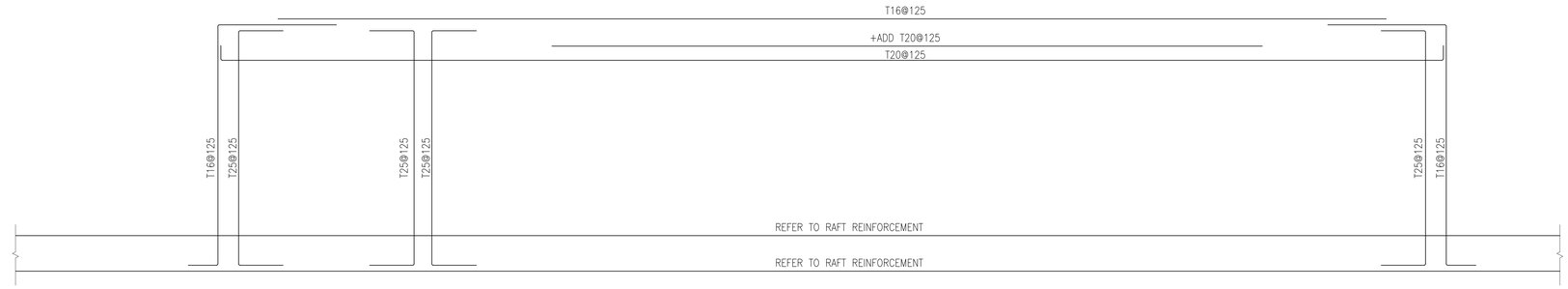
PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

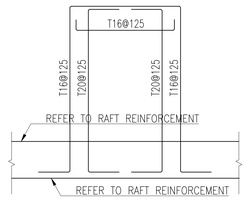


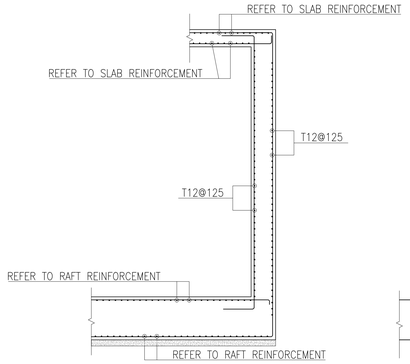
SECTION 2-2 - REINFORCEMENT DETAILS (2)
SCALE 1:50

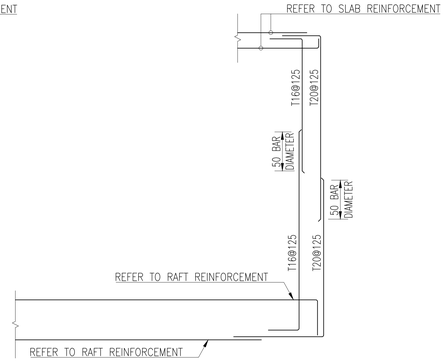


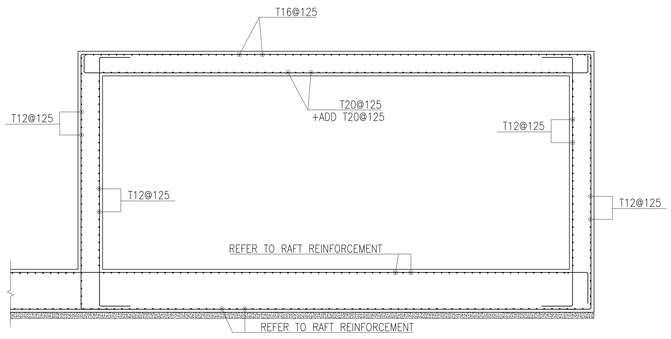
SECTION 3-3 - REINFORCEMENT DETAILS (3)
SCALE 1:50



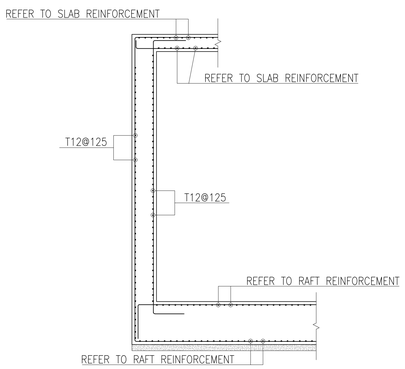


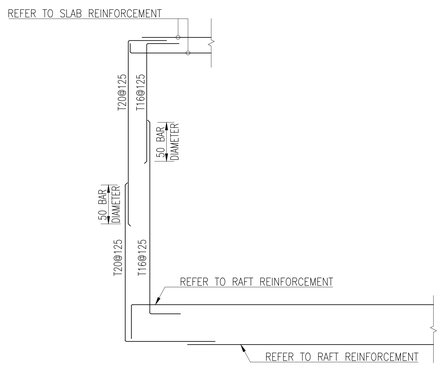


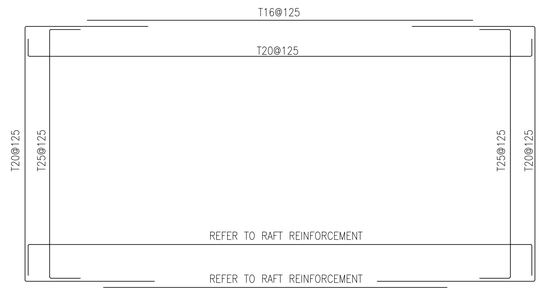




SECTION 4-4 - REINFORCEMENT DETAILS (4)
SCALE 1:50







SECTION 5-5 - REINFORCEMENT DETAILS (5)
SCALE 1:50

SECTION 1-1 - REINFORCEMENT DETAILS (1)
SCALE 1:50

KEY PLAN

REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

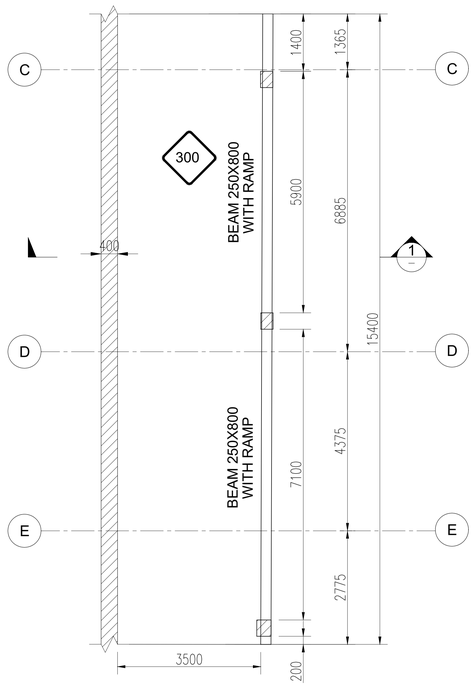
DRAWING NAME

TANKS - REINFORCEMENT DETAILS SHEET 2/2

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

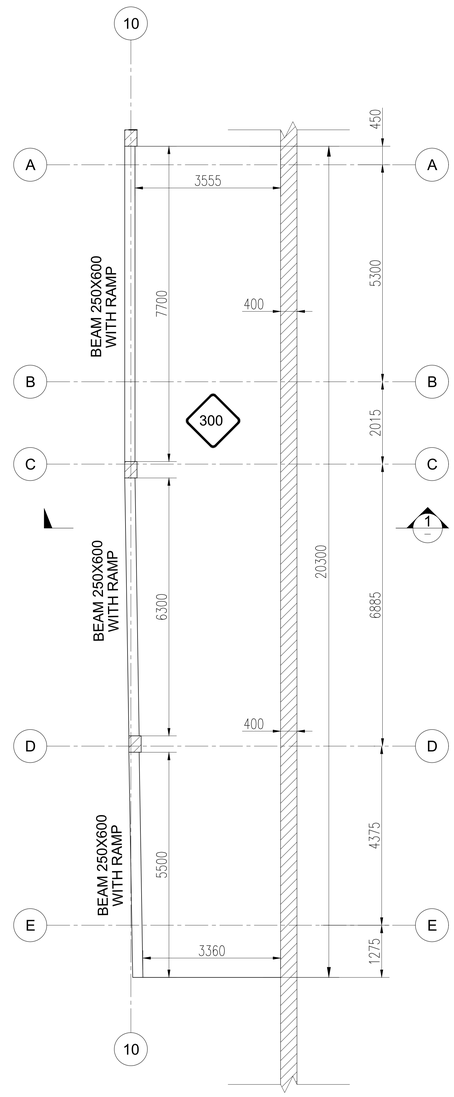
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



LEFT RAMP - CONCRETE DIMENSION

SCALE 1:75



RIGHT RAMP - CONCRETE DIMENSION

SCALE 1:75

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 _____ 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 .

REV	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

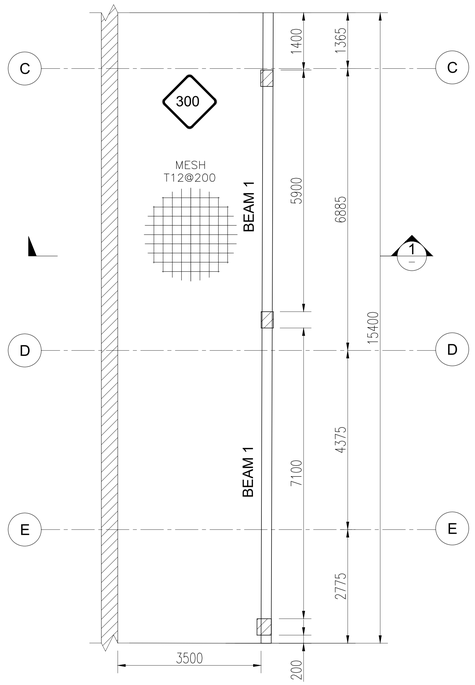
DRAWING NAME

RAMPS CONCRETE DIMENSIONS

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

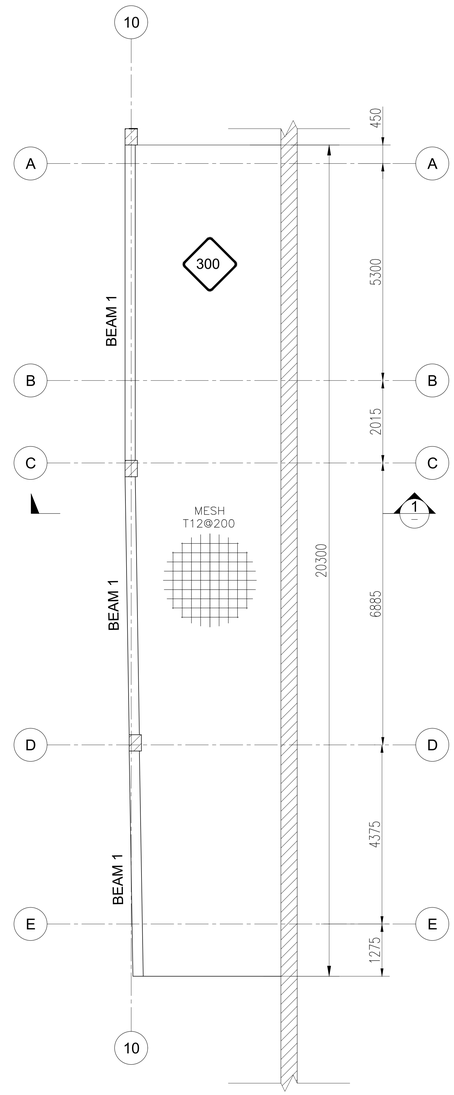
PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			



LEFT RAMP - CONCRETE DIMENSION

SCALE 1:75



RIGHT RAMP - CONCRETE DIMENSION

SCALE 1:75

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DRAWING NAME

RAMPS REINFORCEMENT DETAILS SHEET 1/2

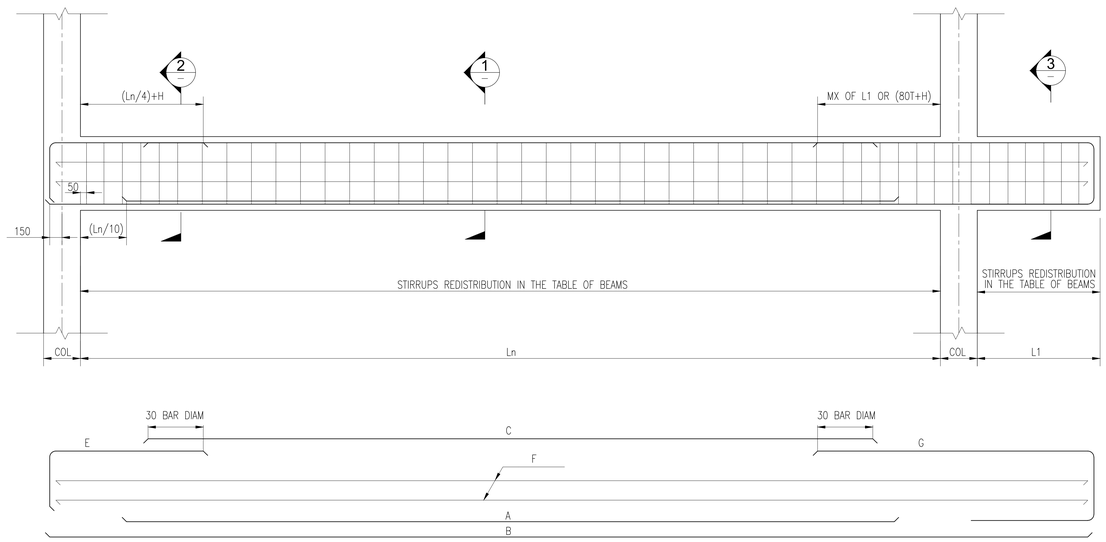
LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			

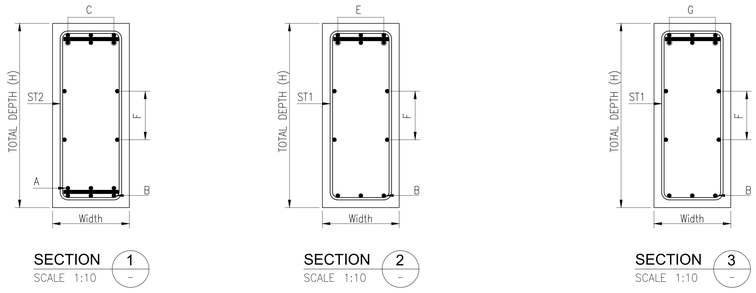
TABLE OF BEAMS

BEAM TYPE	DIMENSION	THE REINFORCEMENT											
		BOTTOM		TOP					SIDE BARS F	STIRRUPS			
		@Mid-Span A	@ Support B	@Mid-Span C	@Internal Support D	@Internal Support D*	@External Support E	@cantliver Support G		Shape	@ Support ST1	Length	@Mid-Span ST2
BEAM 1	250X800	2T20	2T20	2T20	2T20	2T20	2T20	2T20	2T12		T12@100	1500	T12@150



TYPICAL BEAM ELEVATION SINGEL SPAN DETAILS

SCALE 1:25



SECTION 1 — SCALE 1:10

SECTION 2 — SCALE 1:10

SECTION 3 — SCALE 1:10

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REV.	DATE	DESCRIPTION	BY

REVISIONS

Owner

Main Consultant

PROJECT NAME

PRIVATE VILLA

DRAWING NAME

RAMPS REINFORCEMENT DETAILS SHEET 2/2

LAND PLOT :	DATE: APR. 2020
SCALE :	PLOT SIZE :ISO A0

PROJECT CODE

PROJ. NAME	BUILDING	DISCIPLINE	SERIES	SERIAL NUMBER	REVISION
PMV	VL	AR			