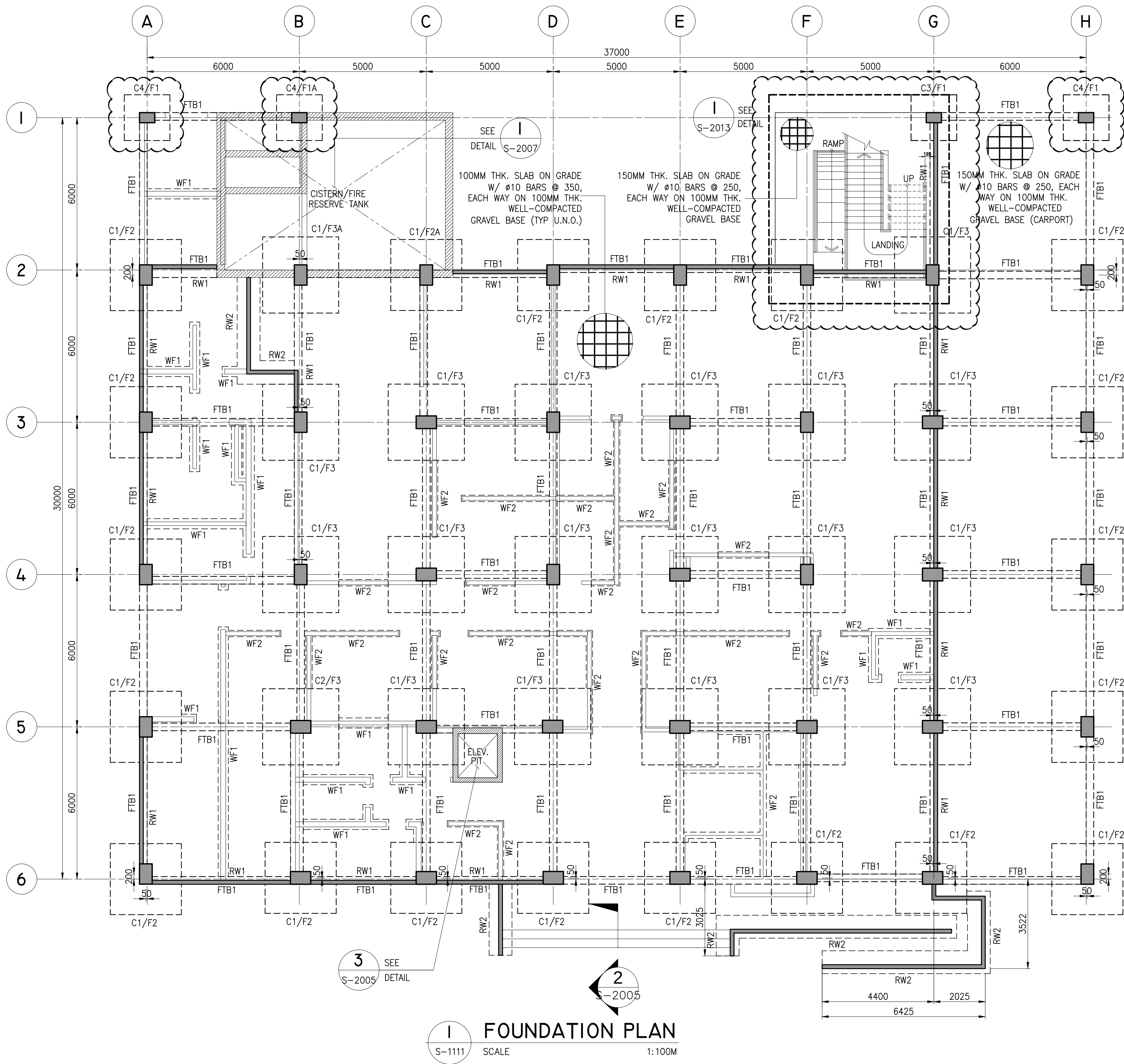
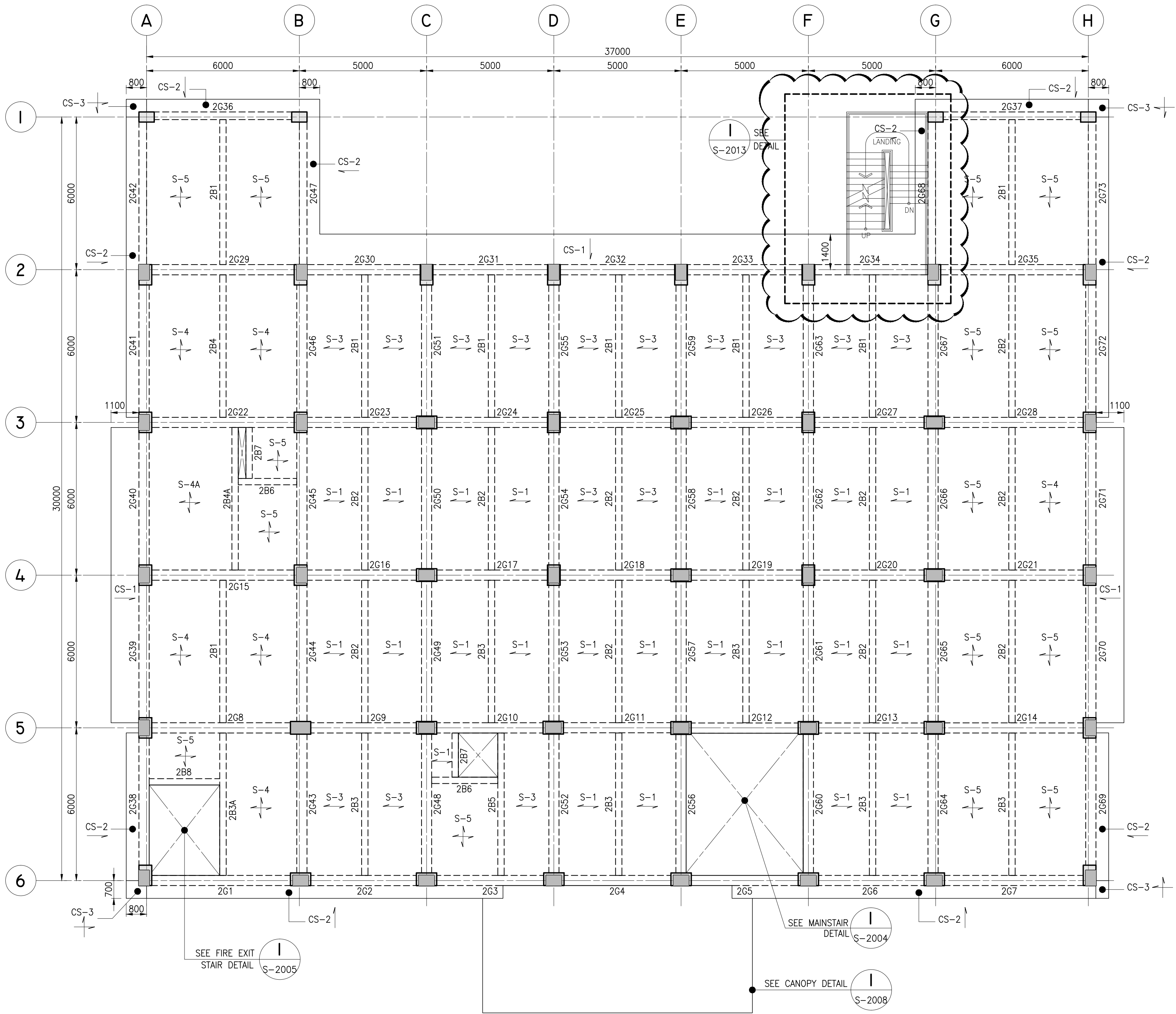




LEGEND :
- CONTINUOUS COLUMN

CERTIFIED BY		OWNER	PROJECT TITLE/LOCATION	CLIENT		SHEET CONTENTS	R.A. 9266 SEC. 33	CADD	DATE	NO.	REVISIONS	CHK	DATE	PAPER SIZE	SHEET NO.
ALDEN C. ONG, M.Eng., ASEP	REG. NO.: 68251	METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM REGULATORY OFFICE	3-STOREY OFFICE BUILDING WITH ROOF DECK	PROJECT PROPONENT	APPROVED BY:	FOUNDATION PLAN	DRAWINGS AND SPECIFICATIONS AND CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS FOR SERVICE ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS.	HVE	JUL 2018					20X30	S-1111
	TIN NO. : 168-950-786							DESIGNED	DATE					SCALE	PROJECT NO.
	PTR NO. : 6615312							KRS	JUL 2018					AS SHOWN	SO-G-17-036
ENGINEER	DATE : JANUARY 04, 2018	MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MELCHOR S. CORDOVA ALTERNATE END-USER FOR RO BUILDING	PATRICK LESTER N. TY CHIEF REGULATOR, MWSS RO			APPROVED	DATE						
	PLACE : MAKATI CITY							ACO	JUL 2018						

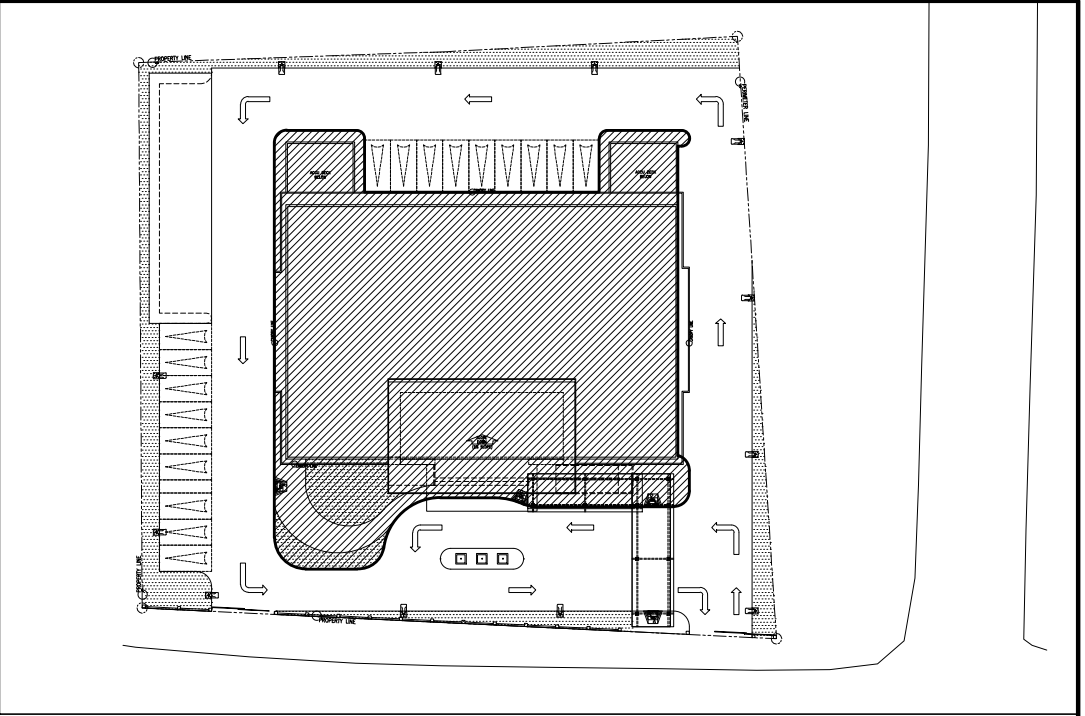
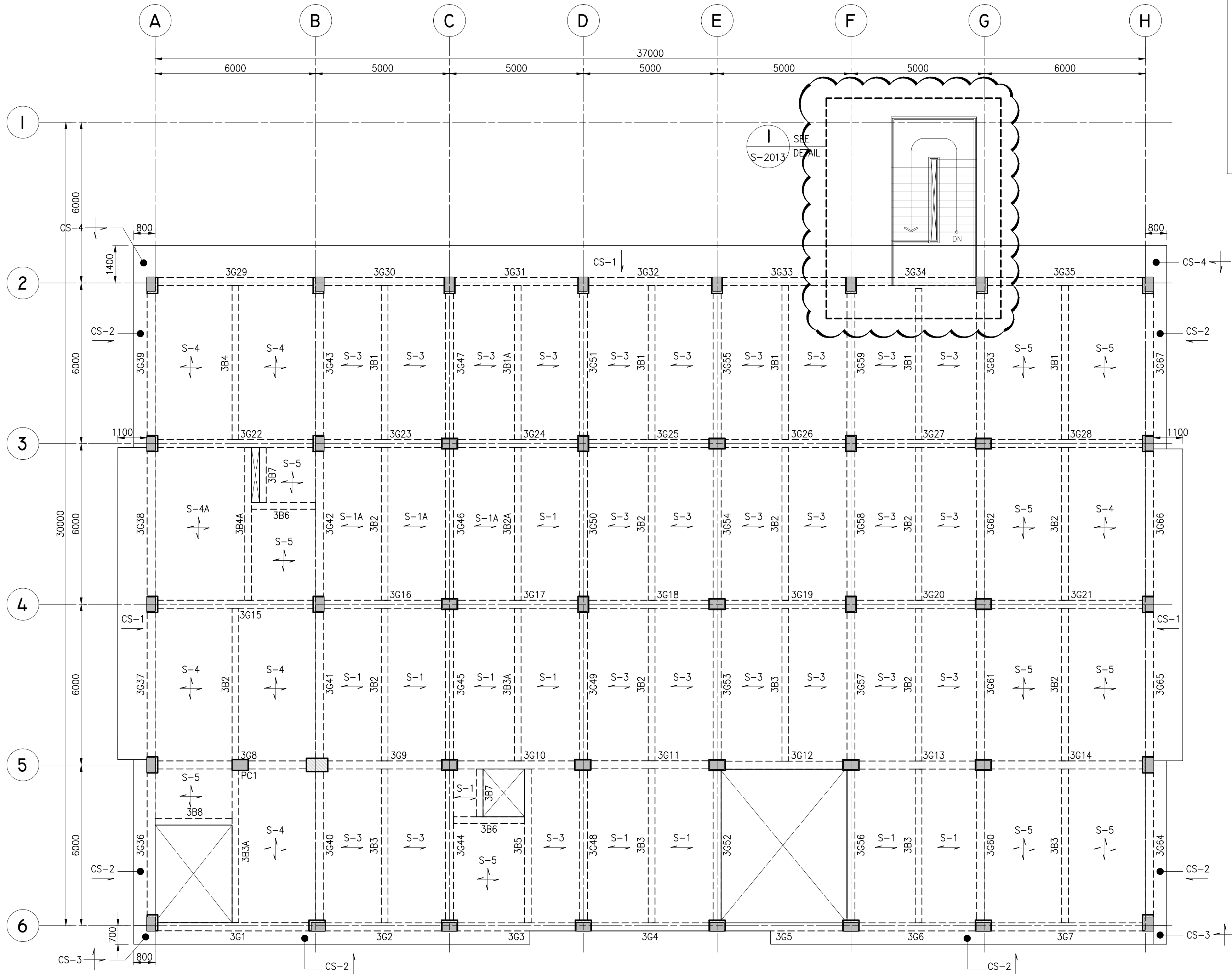


SECOND FLOOR FRAMING PLAN
SCALE 1:100M

LEGEND :

- CONTINUOUS COLUMN
- TERMINATED COLUMN

CERTIFIED BY		OWNER	PROJECT TITLE/LOCATION	CLIENT	SHEET CONTENTS		R.A. 9266 SEC. 33		CADD	DATE	NO.	REVISIONS	CHK	DATE	PAPER SIZE	SHEET NO.
ALDEN C. ONG, M.Eng., ASEP	ENGINEER	METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM REGULATORY OFFICE	3-STOREY OFFICE BUILDING WITH ROOF DECK	PROJECT PROPONENT	APPROVED BY:	SECOND FLOOR FRAMING PLAN	DRAWINGS AND SPECIFICATIONS AND CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS FOR SERVICE ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS.	HVE	JUL 2018						20X30	S-1112
									DESIGNED	DATE					SCALE	PROJECT NO.
									KRS	JUL 2018					AS SHOWN	SO-G-17-036
		MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MELCHOR S. CORDOVA ALTERNATE END-USER FOR RO BUILDING	PATRICK LESTER N. TY CHIEF REGULATOR, MWSS RO			APPROVED	DATE							
								ACO	JUL 2018							



KEYPLAN

I THIRD FLOOR FRAMING PLAN
S-1113 SCALE 1:100M

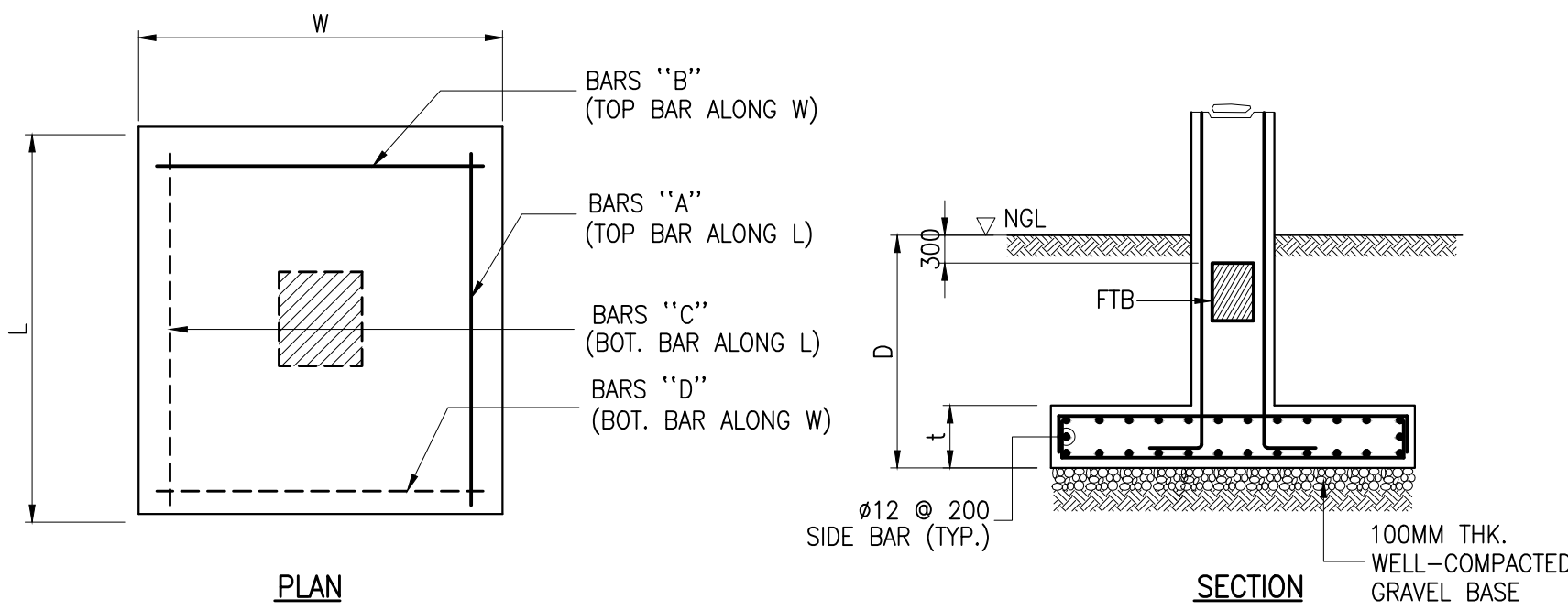
LEGEND :

- CONTINUOUS COLUMN
- TERMINATED COLUMN

CERTIFIED BY		OWNER	PROJECT TITLE/LOCATION	CLIENT	SHEET CONTENTS	R.A. 9266 SEC. 33 DRAWINGS AND SPECIFICATIONS AND CONTRACT DOCUMENTS DULY SIGNED, STAMPED OR SEALED AS INSTRUMENTS FOR SERVICE ARE THE INTELLECTUAL PROPERTY AND DOCUMENTS OF ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPETITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS.	CADD	DATE	NO.	REVISIONS	CHK	DATE	PAPER SIZE	SHEET NO.
ALDEN C. ONG, M.Eng., ASEP	REG. NO.: 68251	METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM REGULATORY OFFICE	3-STOREY OFFICE BUILDING WITH ROOF DECK	PROJECT PROPONENT	APPROVED BY:	THIRD FLOOR FRAMING PLAN	HVE	JUL 2018					20X30	S-1113
	TIN NO. : 168-950-786						DESIGNED	DATE					SCALE	PROJECT NO.
	PTR NO. : 6615312						KRS	JUL 2018					AS SHOWN	SO-G-17-036
ENGINEER		MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MELCHOR S. CORDOVA ALTERNATE END-USER FOR RO BUILDING	PATRICK LESTER N. TY CHIEF REGULATOR, MWSS RO		APPROVED	DATE						
							ACO	JUL 2018						

SCHEDULE OF FOOTINGS

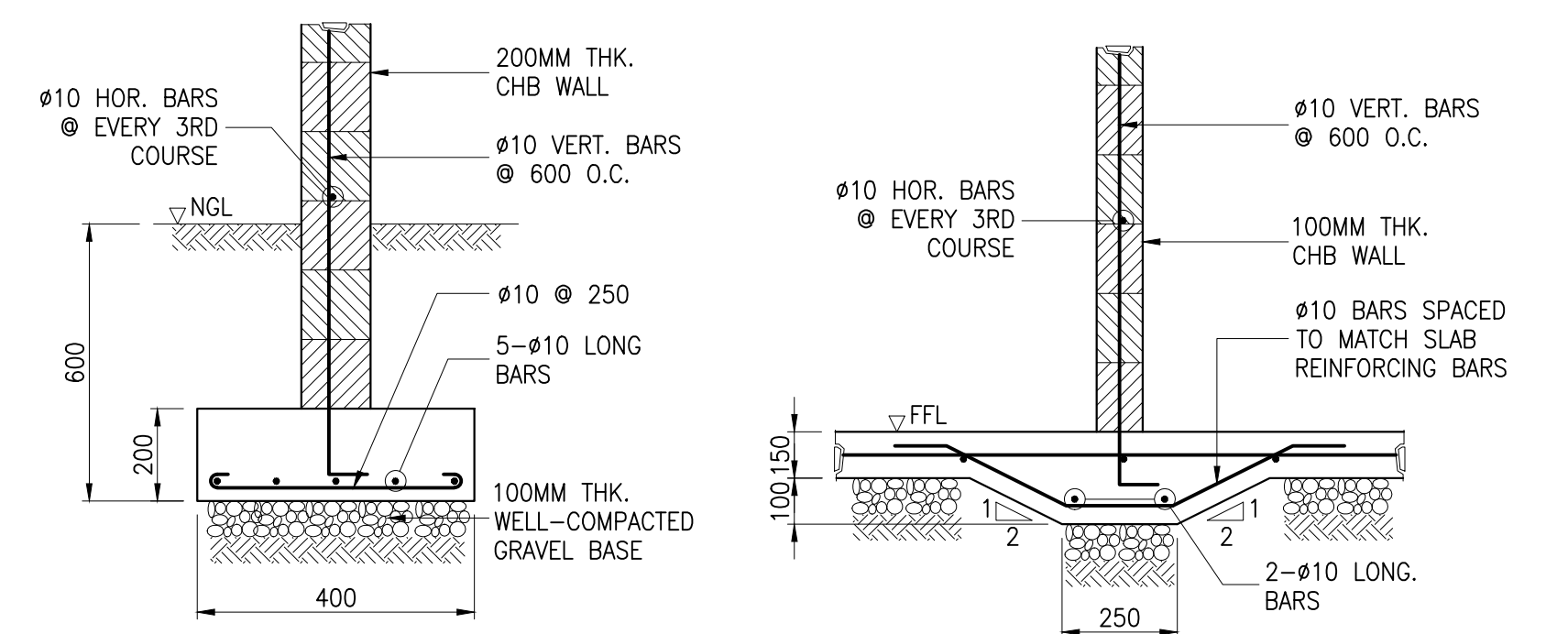
MARK	D (DEPTH)	T (THICK.)	L (LENGTH)	W (WIDTH)	REINFORCEMENT				REMARKS
					TOP		BOTTOM		
					"A"	"B"	"C"	"D"	
F1	1800	600	1800	1800	Ø12 @ 300	Ø12 @ 300	Ø16 @ 150	Ø16 @ 150	ISOLATED
F1A	3850	600	1800	1800	Ø12 @ 300	Ø12 @ 300	Ø16 @ 150	Ø16 @ 150	ISOLATED
F2	1800	800	2800	2800	Ø12 @ 200	Ø12 @ 200	Ø20 @ 200	Ø20 @ 200	ISOLATED
F2A	4050	800	2800	2800	Ø12 @ 200	Ø12 @ 200	Ø20 @ 200	Ø20 @ 200	ISOLATED
F3	1800	800	3000	3000	Ø12 @ 200	Ø12 @ 200	Ø20 @ 200	Ø20 @ 200	ISOLATED
F3A	4050	800	3000	3000	Ø12 @ 200	Ø12 @ 200	Ø20 @ 200	Ø20 @ 200	ISOLATED



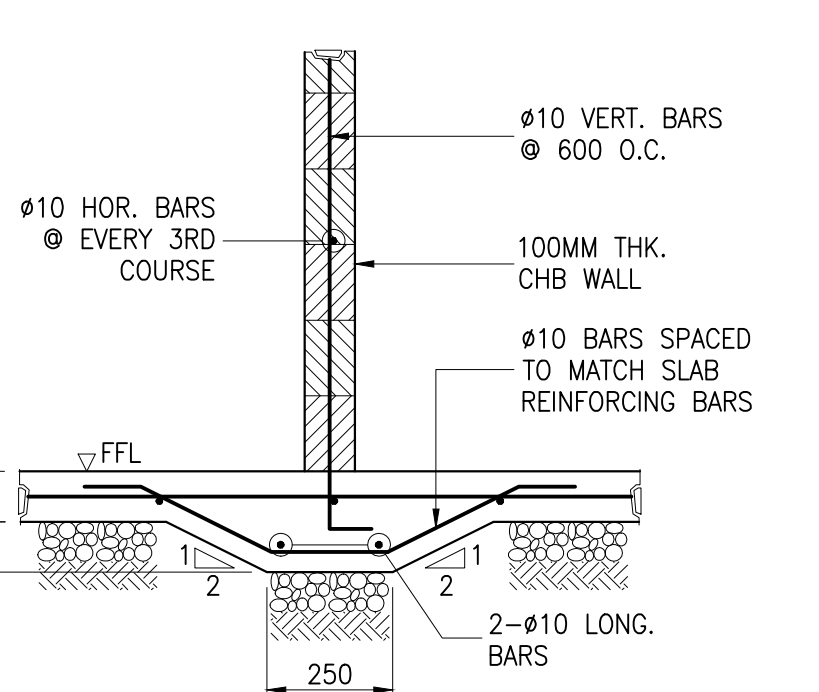
PLAN

SECTION

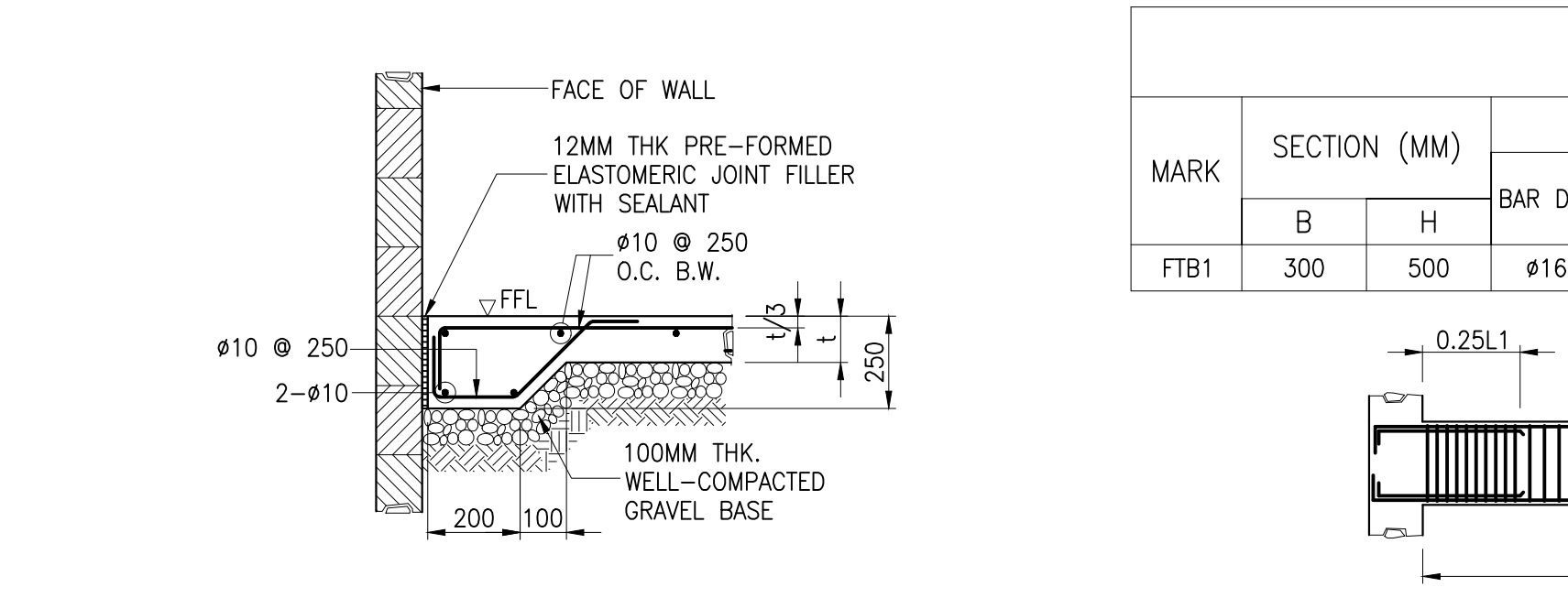
1 TYPICAL FOOTING DETAILS
S-2001 SCALE NTS



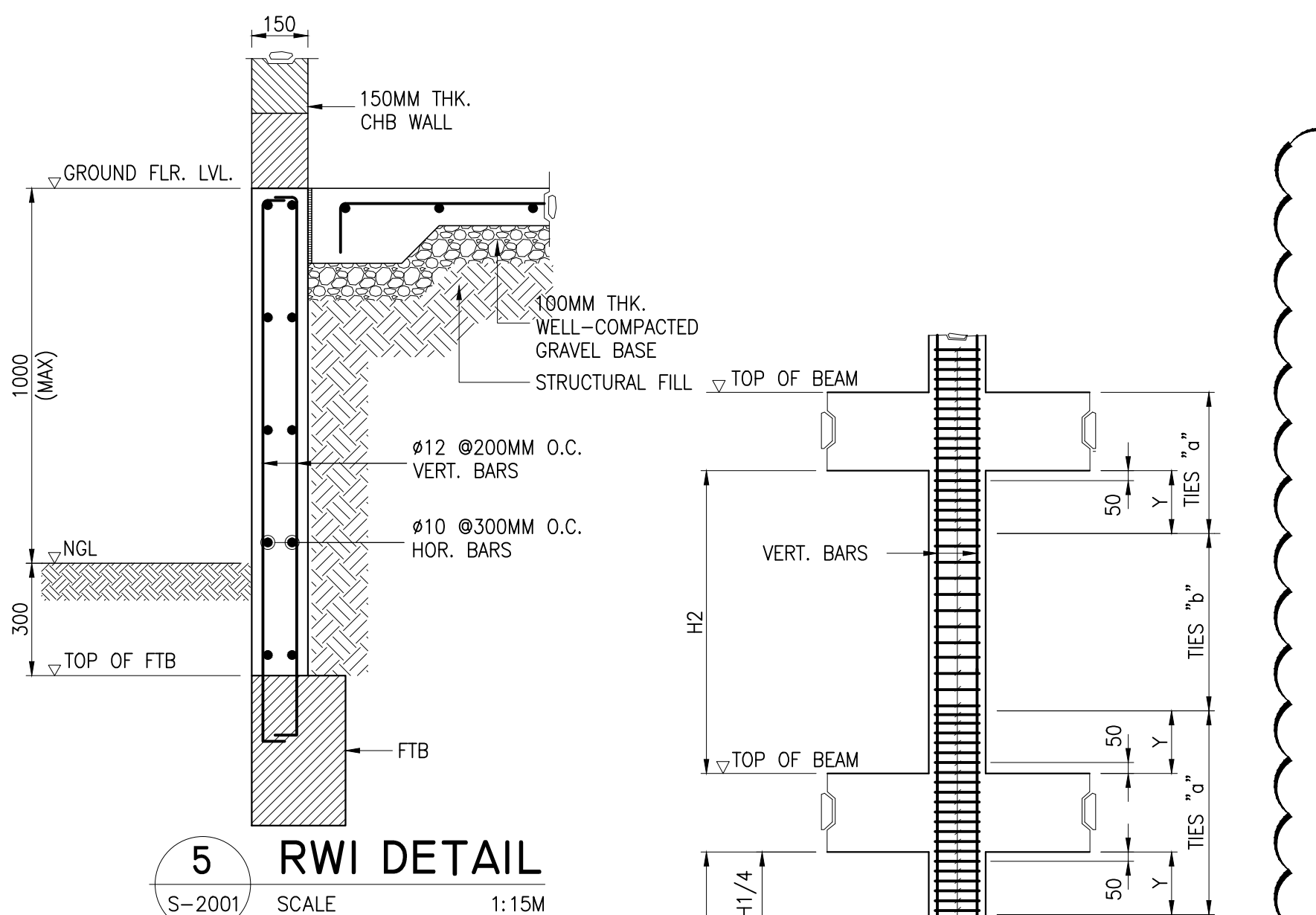
2 WFI DETAIL
S-2001 SCALE NTS



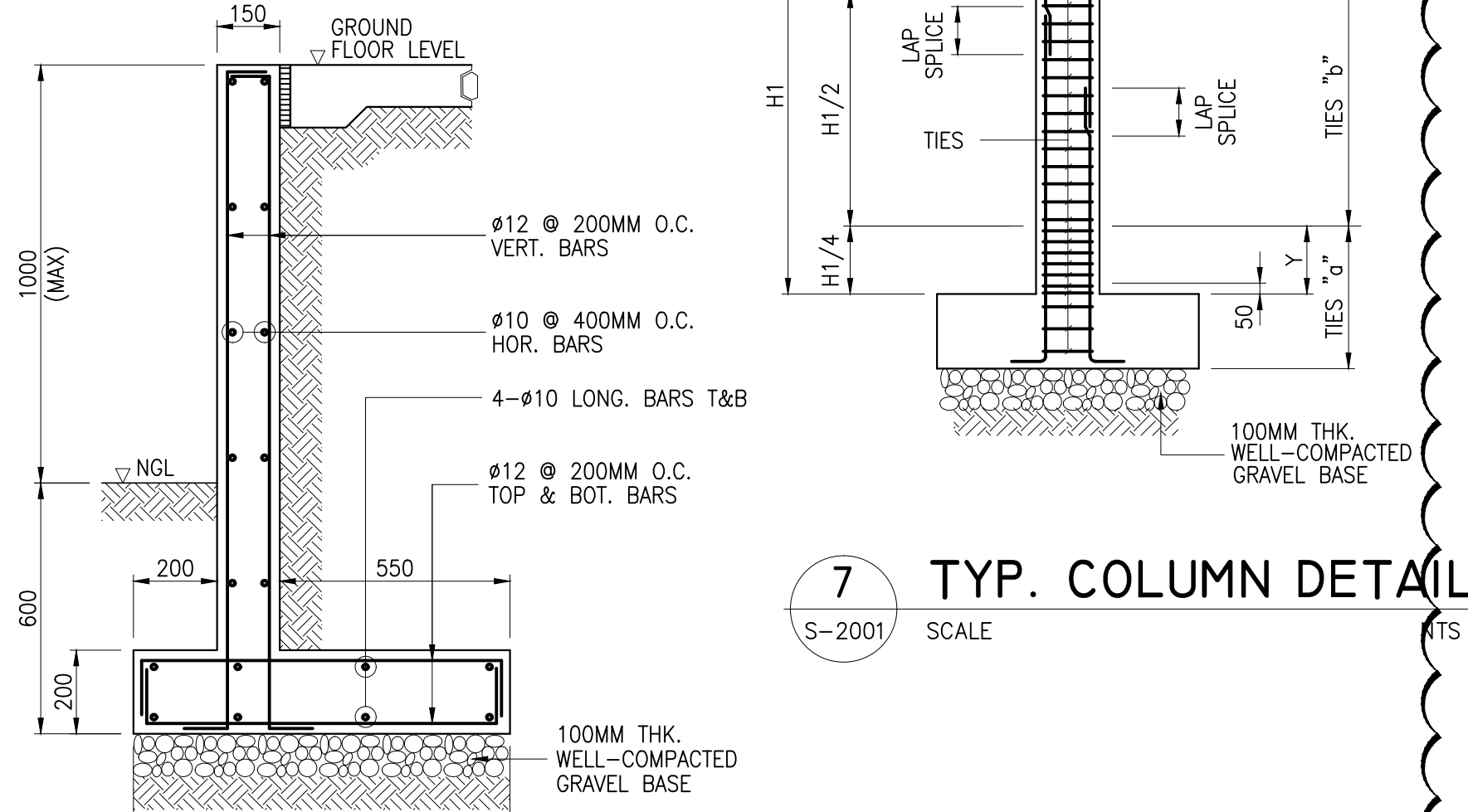
3 WF2 DETAIL
S-2001 SCALE NTS



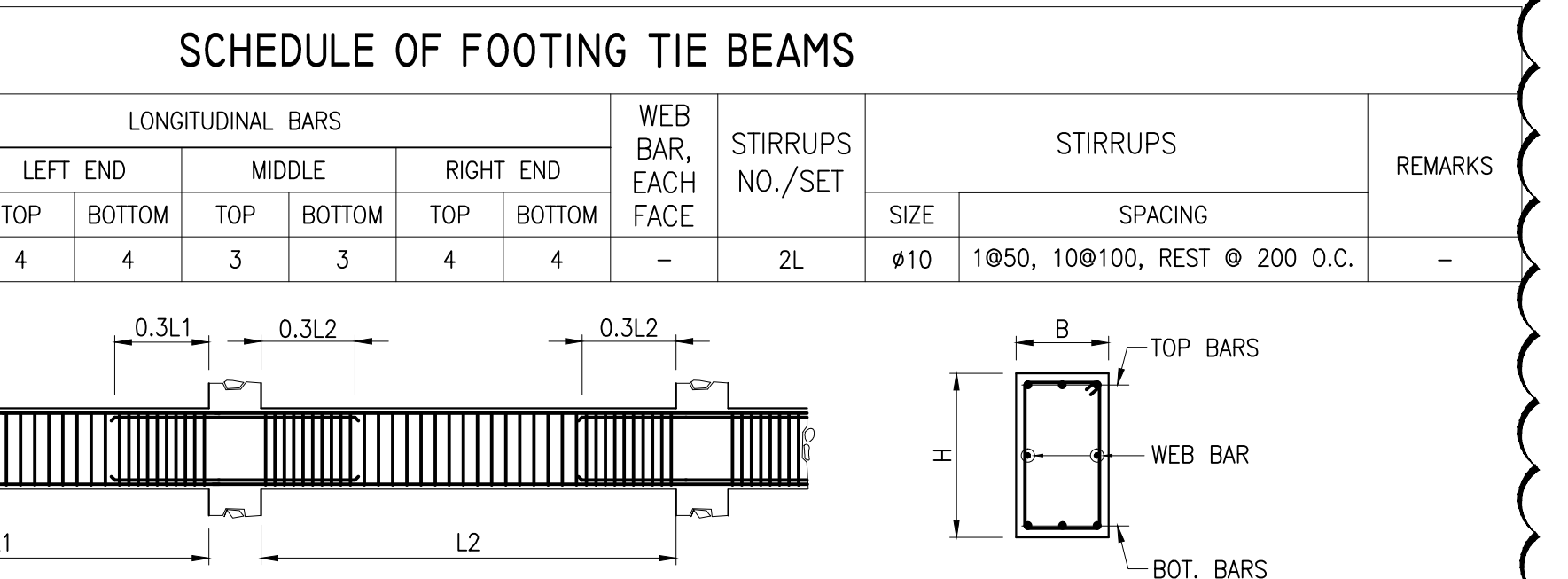
4 TYP. SLAB ON GRADE DET. @ EDGE
S-2001 SCALE NTS



5 RWI DETAIL
S-2001 SCALE 1:15M



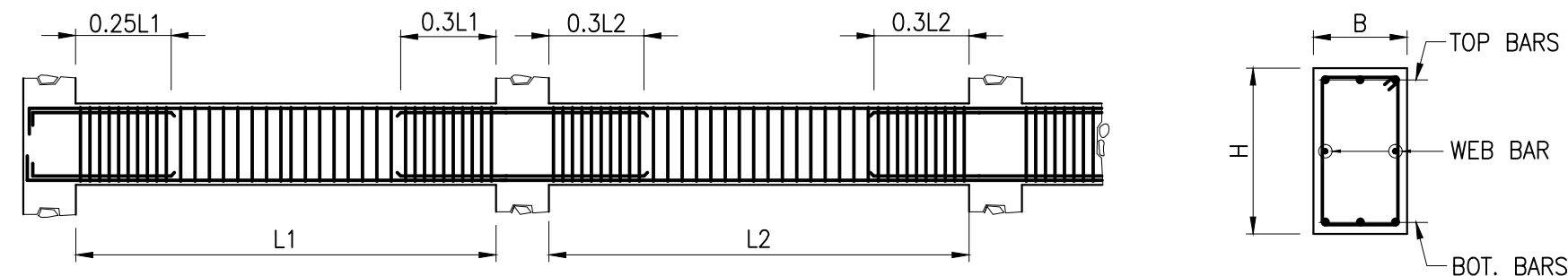
6 RW2 DETAIL
S-2001 SCALE 1:15M



7 TYP. COLUMN DETAIL
S-2001 SCALE NTS

SCHEDULE OF FOOTING TIE BEAMS

MARK	SECTION (MM)		LONGITUDINAL BARS								WEB BAR, EACH FACE	STIRRUPS NO./SET	STIRRUPS		REMARKS
			BAR DIA.	LEFT END		MIDDLE		RIGHT END		SIZE			SPACING		
	B	H		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM						
FTB1	300	500	Ø16	4	4	3	3	4	4	–	2L	Ø10	1@50, 10@100, REST @ 200 O.C.	–	



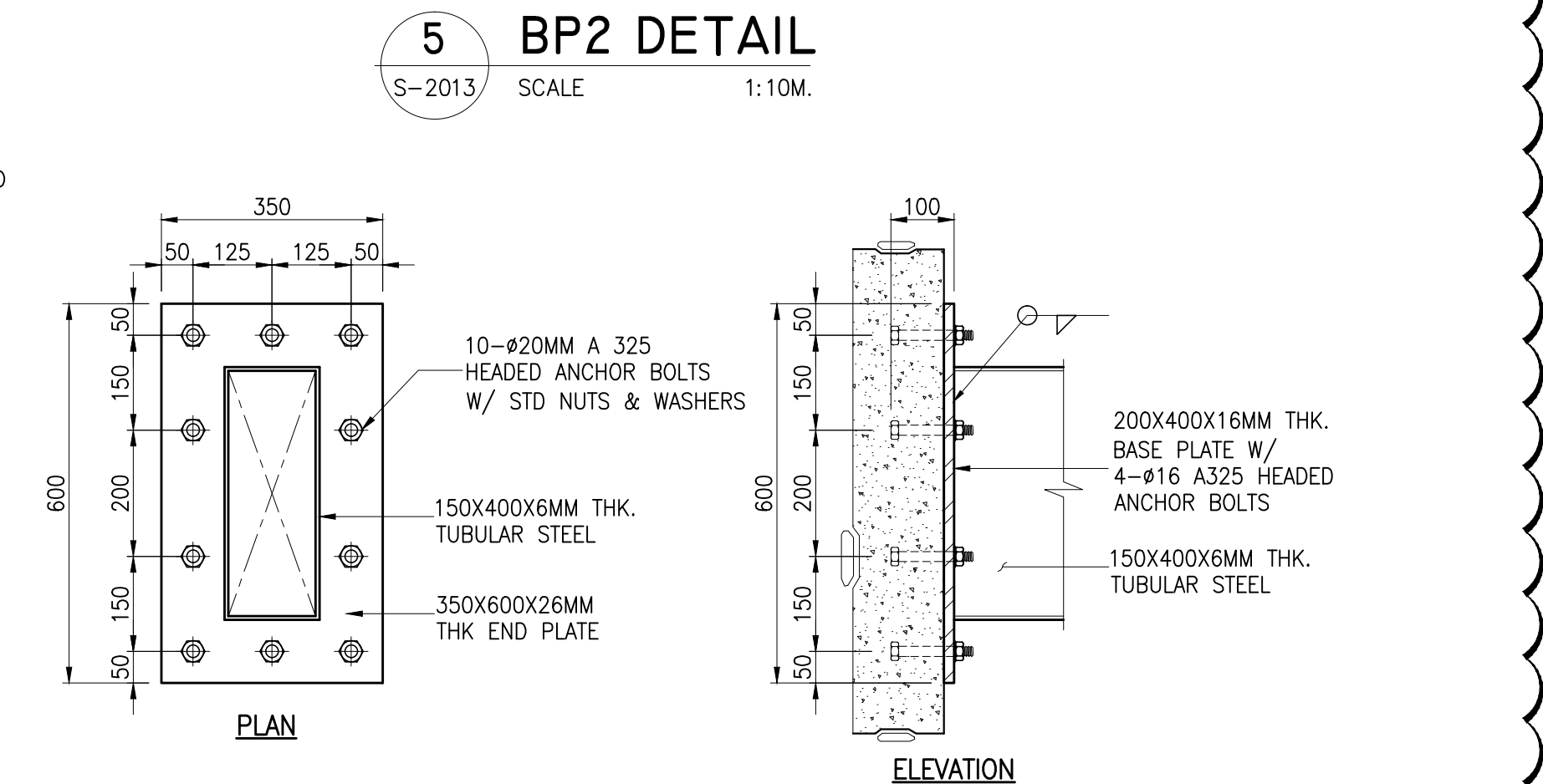
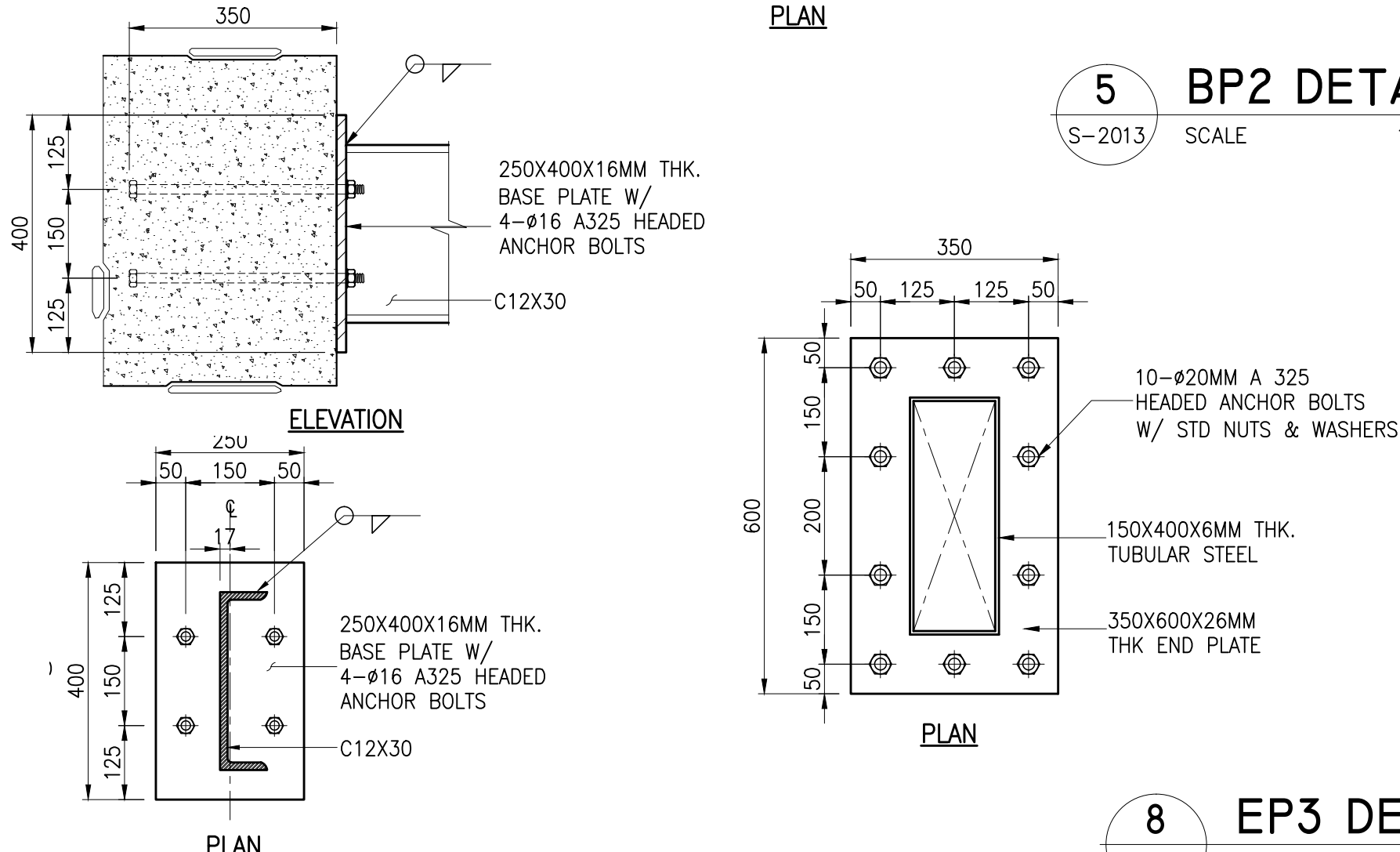
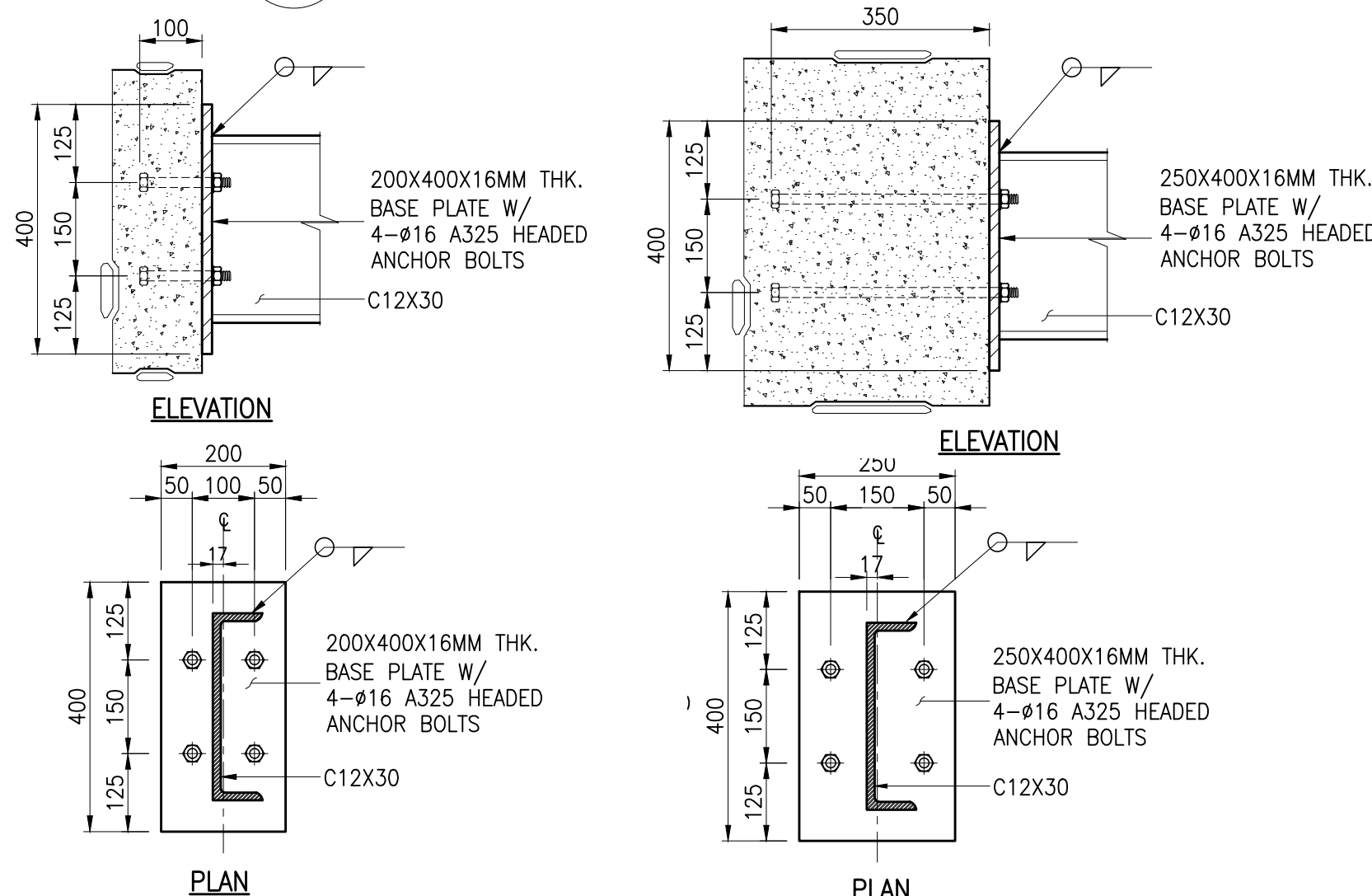
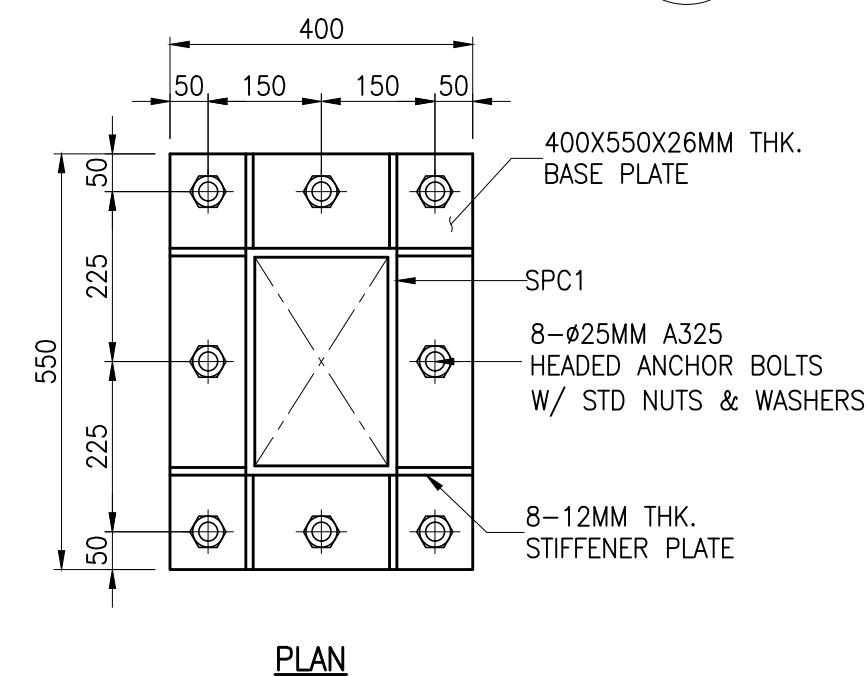
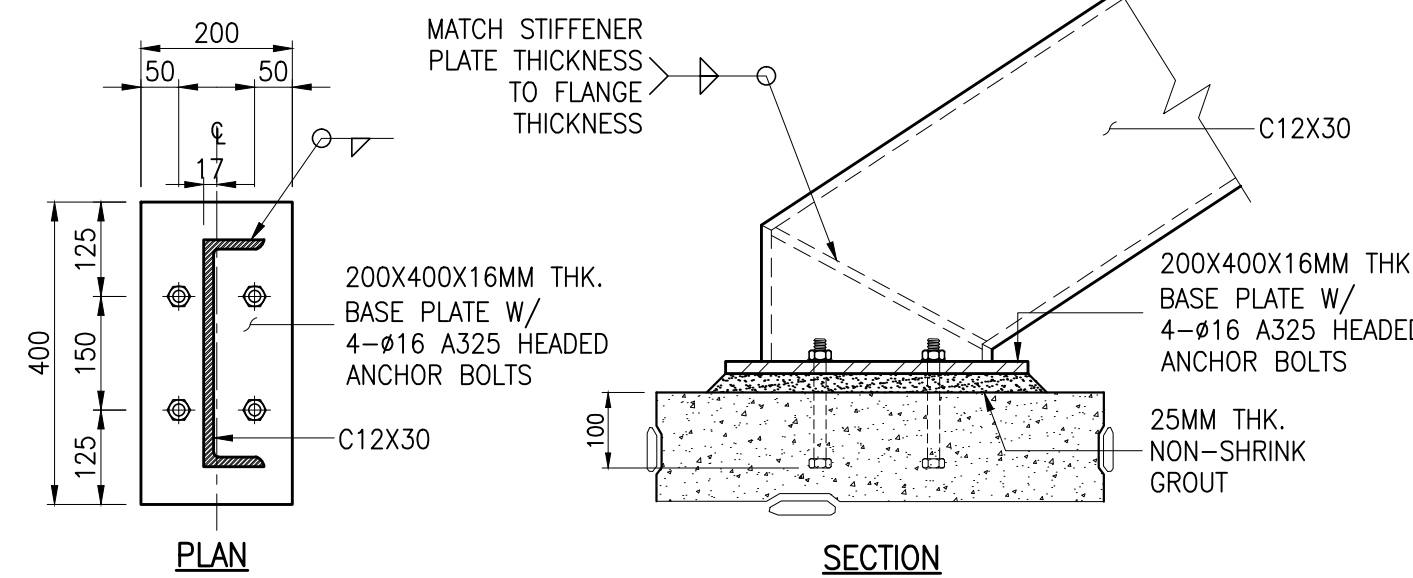
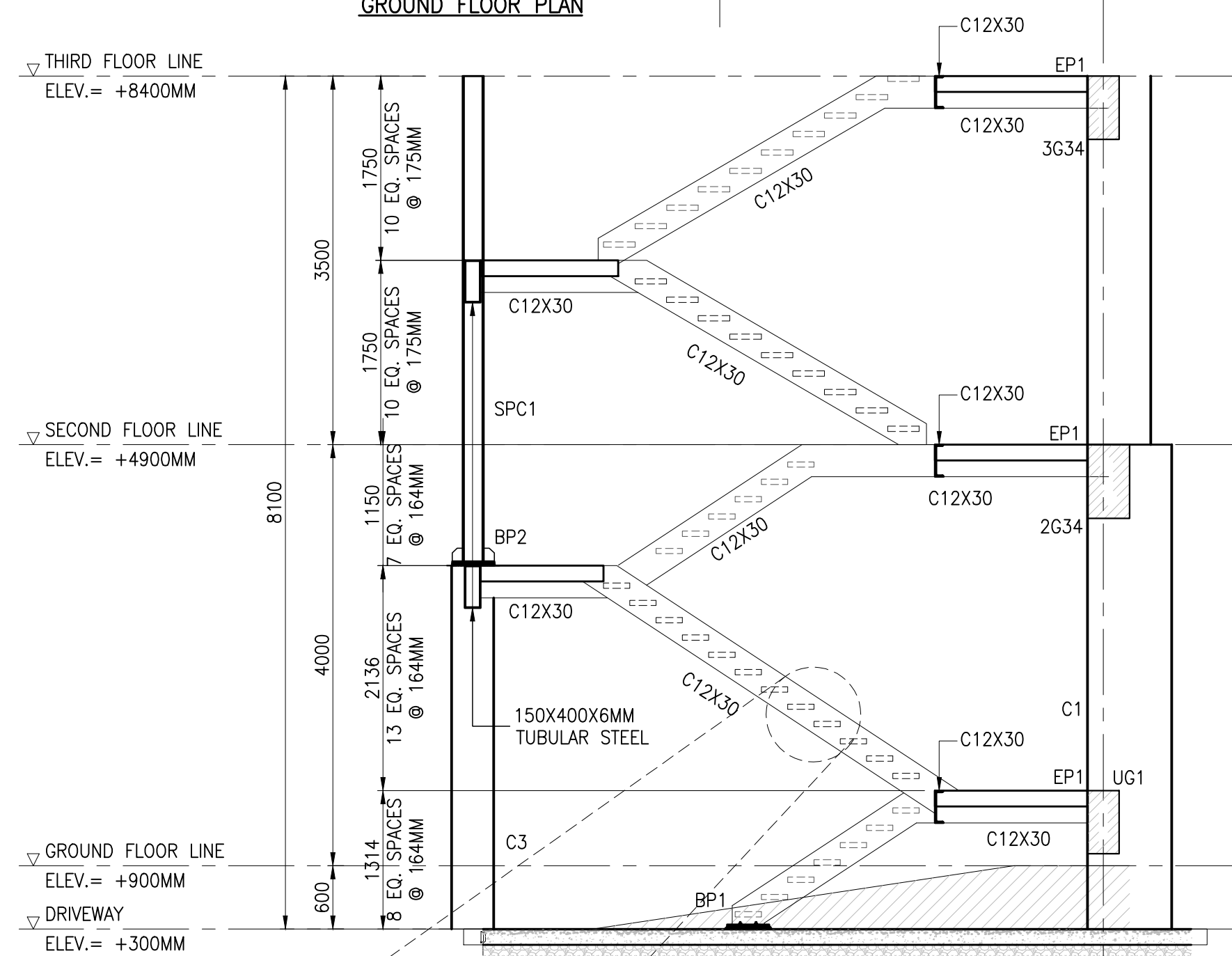
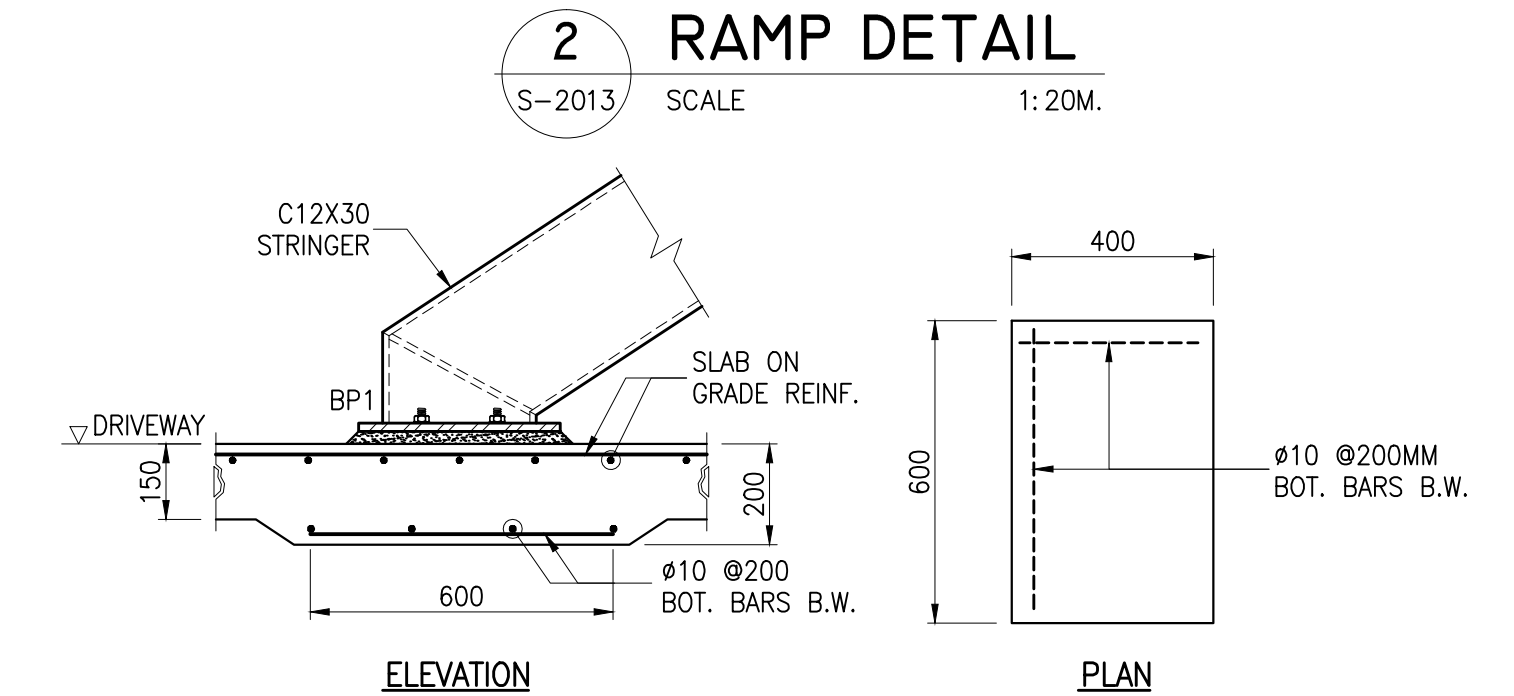
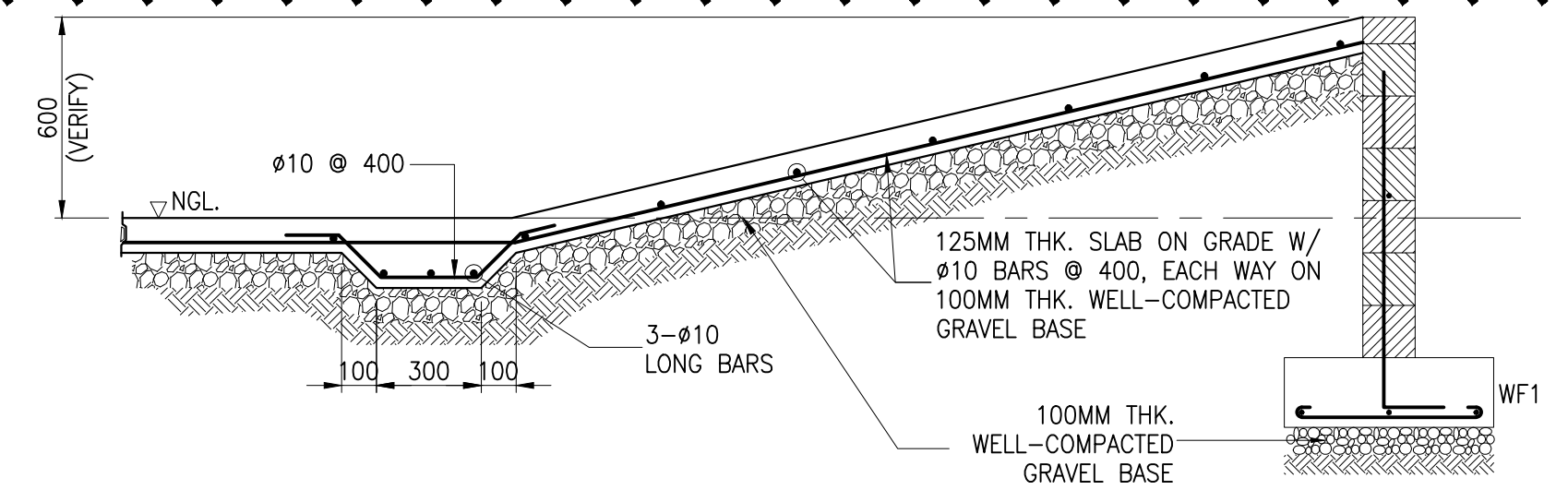
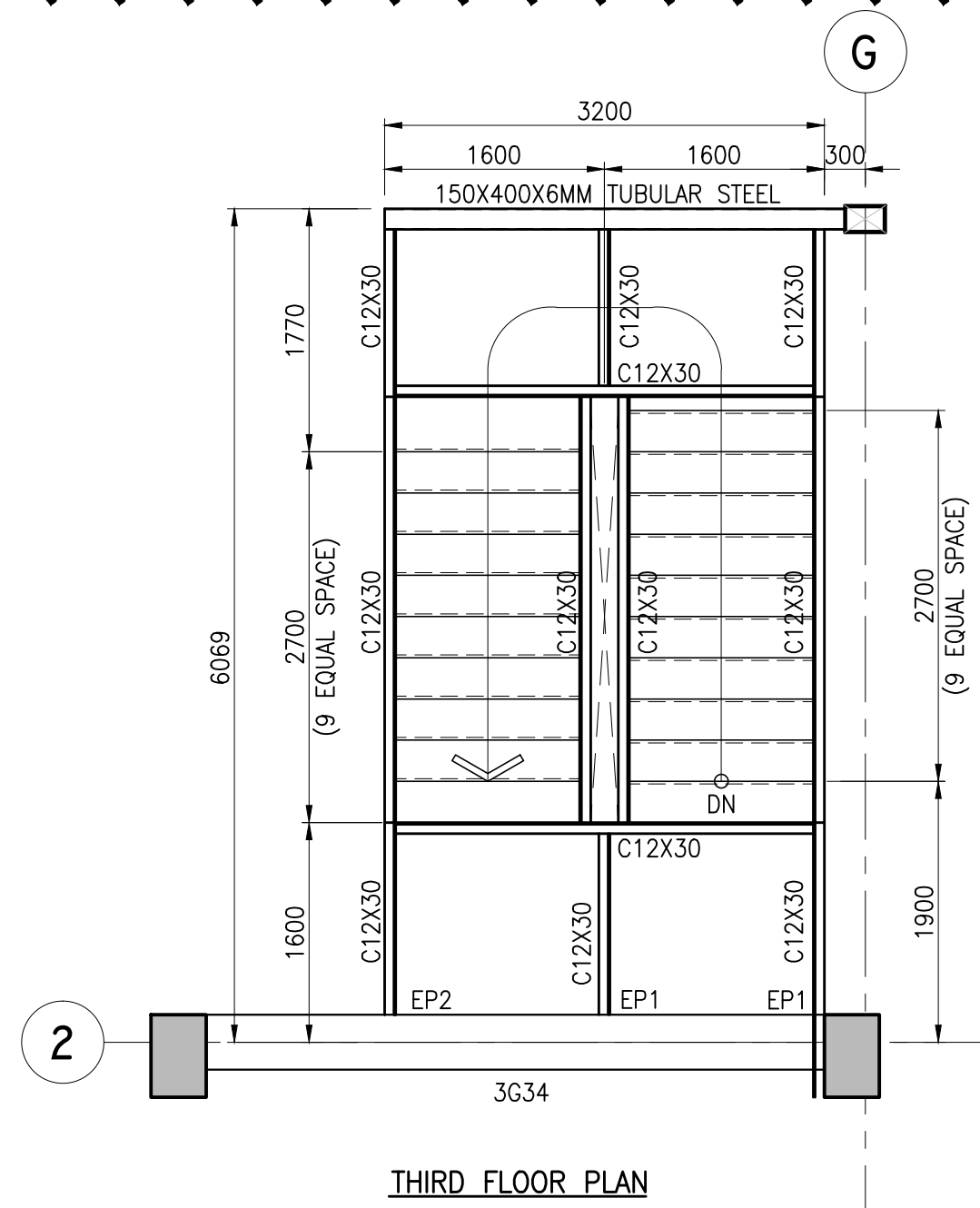
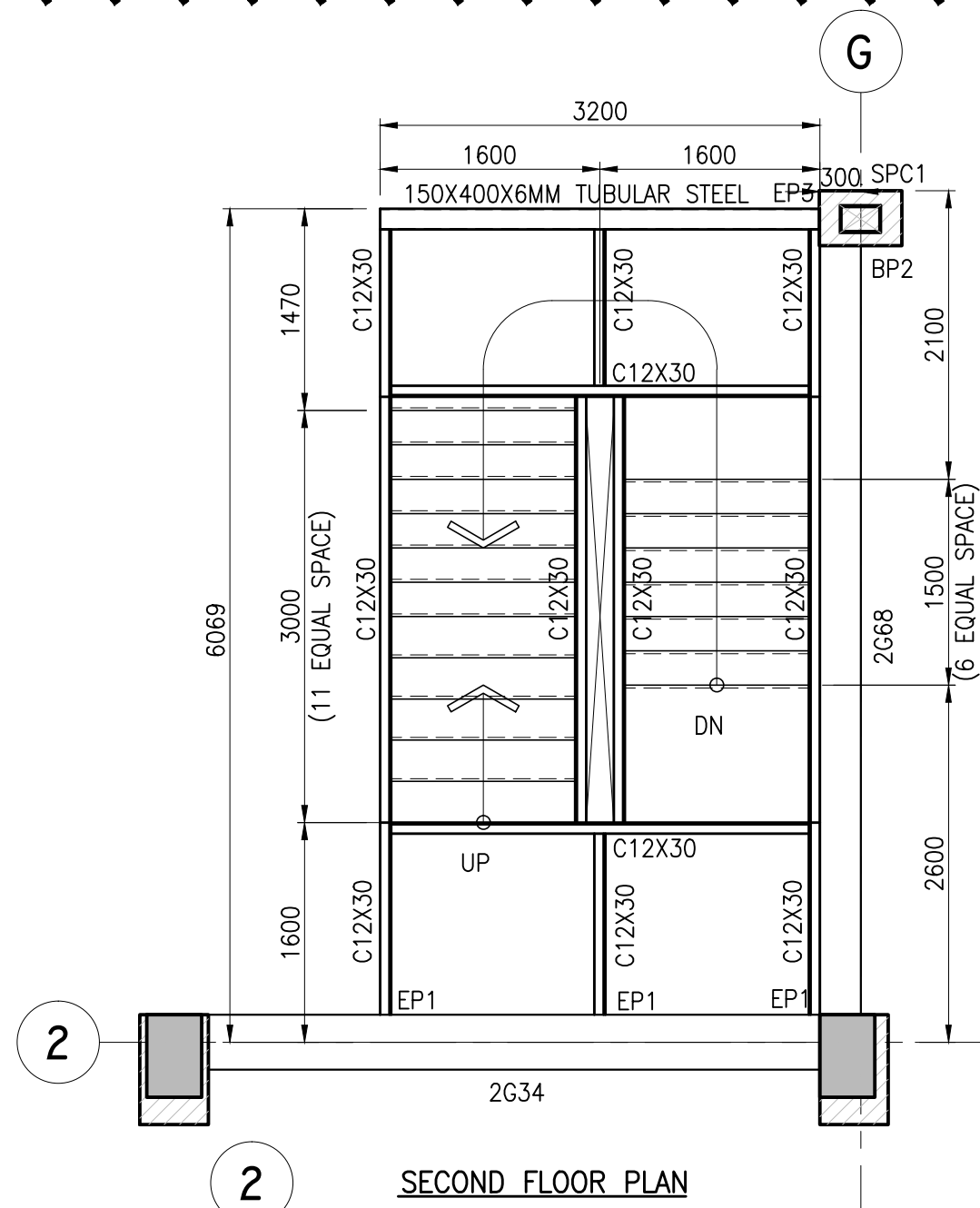
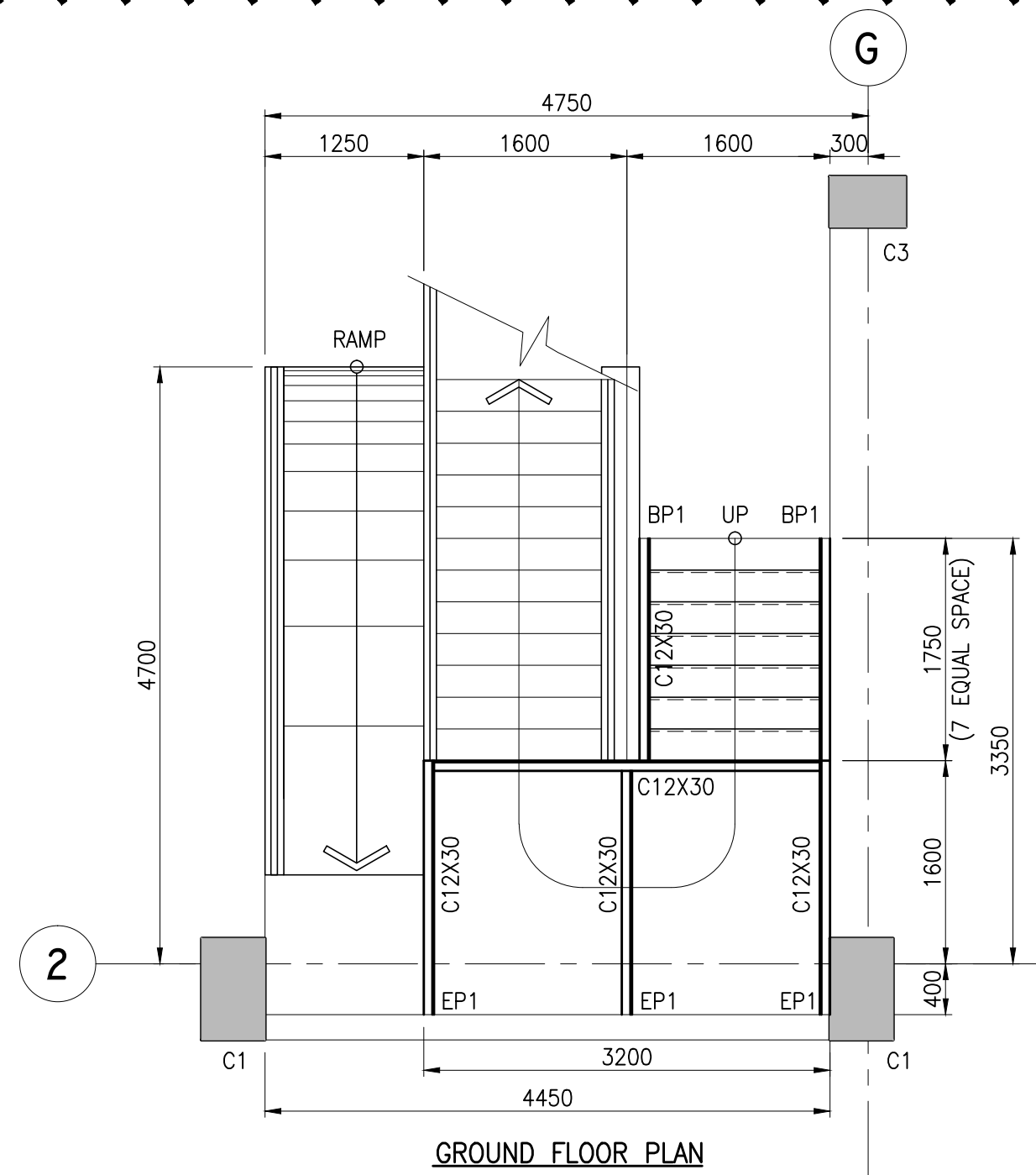
ELEVATION

SECTION

8 TYPICAL FOOTING TIE BEAM DETAILS
S-2001 SCALE NTS

SCHEDULE OF COLUMNS

COL. MARK FLOOR LEVEL	C1	C2	C3	C4	PCI
FOUNDATION TO SECOND FLOOR					
SIZE (mm)	500X800	500X800	500X650	400X600	-
VERT. REINF.	22-Ø20	12-Ø25	14-Ø20	14-Ø20	-
EXTERIOR TIES (a)	Ø12 @ 100	Ø12 @ 100	Ø12 @ 100	Ø12 @ 100	-
INTERIOR TIES (a)	Ø12 @ 100	Ø12 @ 100	Ø12 @ 100	Ø12 @ 100	-
EXTERIOR TIES (b)	Ø10 @ 150	Ø10 @ 150	Ø10 @ 150	Ø10 @ 150	-
INTERIOR TIES (b)	Ø10 @ 150	Ø10 @ 150	Ø10 @ 150	Ø10 @ 150	-
CONFINEMENT (Y)	1300	1300	1300	1300	-
SECOND FLOOR TO THIRD FLOOR					
SIZE (mm)	400X600	500X800	-	-	-
VERT. REINF.	18-Ø20	12-Ø25	-	-	-
EXTERIOR TIES (a)	Ø12 @ 100	Ø12 @ 100	-	-	-
INTERIOR TIES (a)	Ø12 @ 100	Ø12 @ 100	-	-	-
EXTERIOR TIES (b)	Ø10 @ 150	Ø10 @ 150	-	-	-
INTERIOR TIES (b)	Ø10 @ 150	Ø10 @ 150	-	-	-
CONFINEMENT (Y)	600	800	-	-	-
THIRD FLOOR TO ROOF DECK					
SIZE (mm)	400X600	-	-	-	400X600
VERT. REINF.	14-Ø20	-	-	-	22-Ø20
EXTERIOR TIES (a)	Ø12 @ 100	-	-	-	Ø12 @ 100
INTERIOR TIES (a)	Ø12 @ 100	-	-	-	Ø12 @ 100
EXTERIOR TIES (b)	Ø10 @ 150	-	-	-	Ø10 @ 150
INTERIOR TIES (b)	Ø10 @ 150	-	-	-	Ø10 @ 150
CONFINEMENT (Y)	600	-	-	-	600
ROOF DECK TO ROOF					
SIZE (mm)	300X500	-	-	-	-
VERT. REINF.	14-Ø16	-	-	-	-
EXTERIOR TIES (a)	Ø12 @ 100	-	-	-	-
INTERIOR TIES (a)	Ø12 @ 100	-	-	-	-
EXTERIOR TIES (b)	Ø10 @ 150	-	-	-	-
INTERIOR TIES (b)	Ø10 @ 150	-	-	-	-
CONFINEMENT (Y)	600	-	-	-	-



LEGEND :
SC1 - 200X300X12MM THK. TUBULAR STEEL

CERTIFIED BY	OWNER	PROJECT TITLE/LOCATION	CLIENT	SHEET CONTENTS	REVISIONS	CHK	DATE	PAPER SIZE	SHEET NO.
ALDEN C. ONG, M.Eng., ASEP	METROPOLITAN WATERWORKS AND SEWERAGE SYSTEM REGULATORY OFFICE	3-STOREY OFFICE BUILDING WITH ROOF DECK	MELCHOR S. CORDOVA ALTERNATE END-USER FOR RO BUILDING	STEEL STAIR DETAILS RAMP DETAILS BP1 & BP2 DETAILS EP1, EP2 & EP3 DETAILS	HVE DESIGNED KRS APPROVED ACO	JUL 2018 DATE JUL 2018 DATE JUL 2018		20X30 SCALE AS SHOWN	S-2013 PROJECT NO. SO-G-17-036
ENGINEER	DATE : JANUARY 04, 2018 PLACE : MAKATI CITY	MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	MWSS COMPOUND, KATIPUNAN AVENUE, MATANDANG BALARA, QUEZON CITY	PATRICK LESTER N. TY CHIEF REGULATOR, MWSS RO					