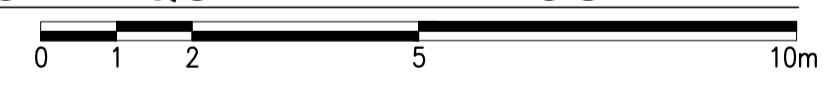
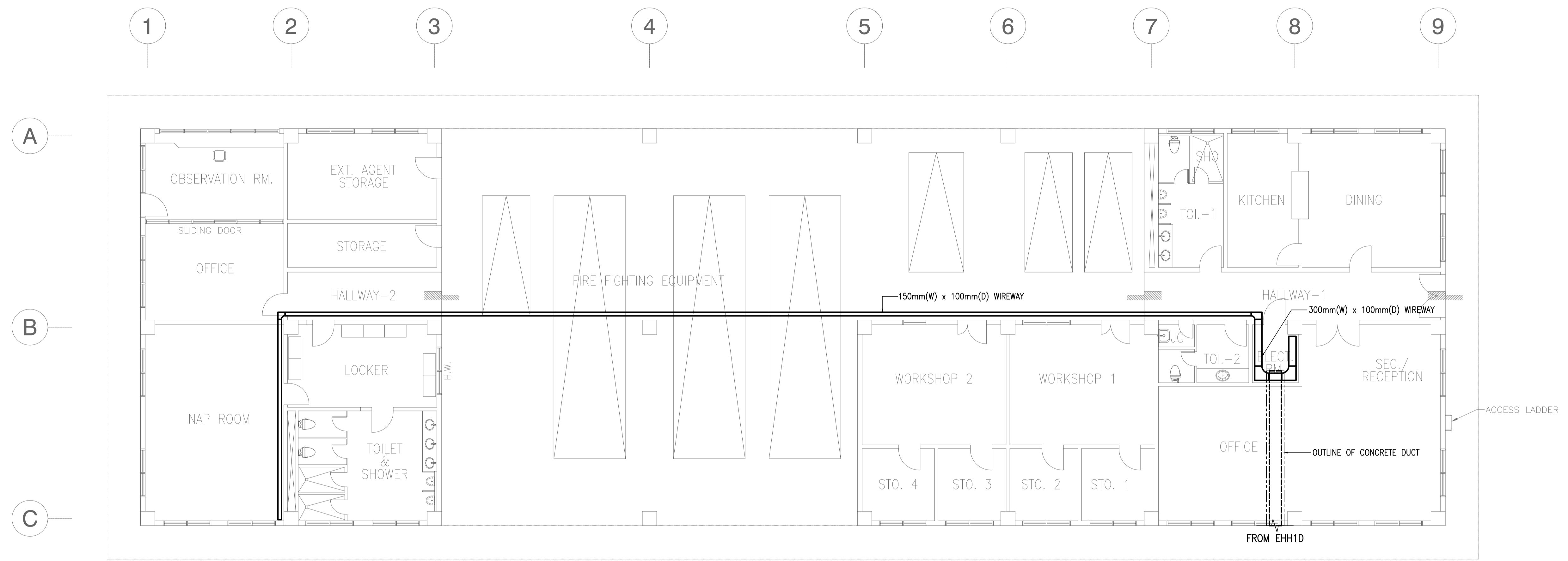


1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR ELECTRICAL EQUIPMENT LAYOUT PLAN
 B4-6100-01 GRAPHIC SCALE

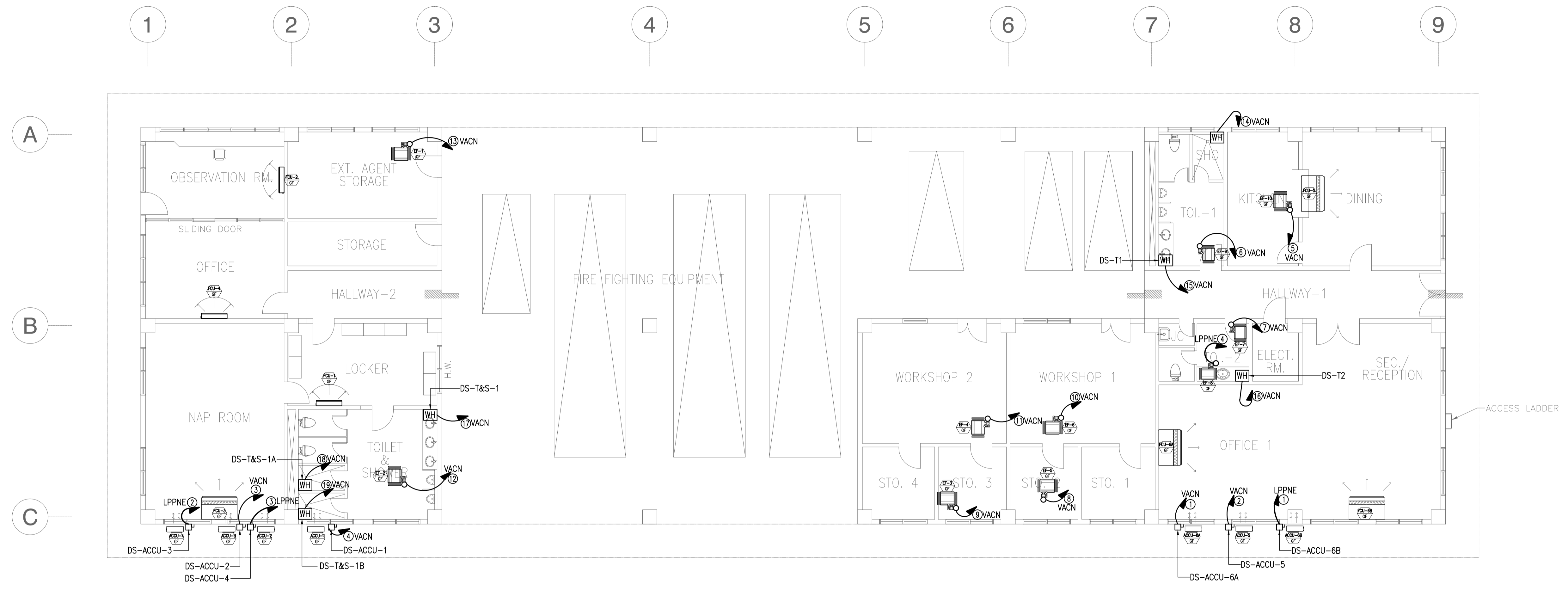


	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N.A. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL ELEC. EQUIP.LAYOUT	SHEET NO: B4-6100-01
	JICA DESIGN CONSULTANT JOINT VENTURE TADASHI AOI <small>Team Leader</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX: _____ AMENDMENTS: _____ Prepared by: _____ Checked by: _____ Validated by: _____	DRAWING SCALE: 1:100m			



1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR CABLE TRAY LAYOUT PLAN
 B4-6100-02 GRAPHIC SCALE 0 1 2 5 10m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULJANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL CABLE TRAY LAYOUT	SHEET NO: B4-6100-02 DRAWING SCALE: 1:100m
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.</small>	TADASHI AOI <small>Team Leader</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX: AMENDMENTS: Prepared by: WIM, Checked by: HC, Validated by:			



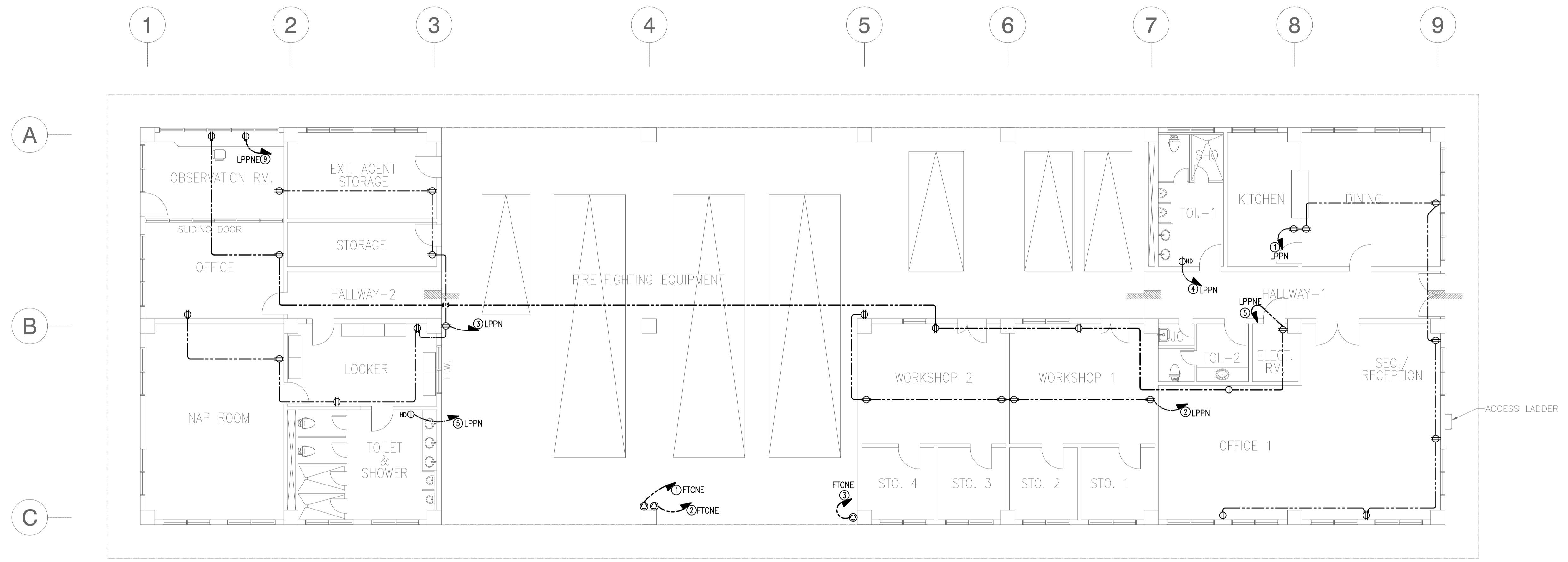
NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR POWER FEEDER SYSTEM PLAN
 B4-6100-03 GRAPHIC SCALE 0 1 2 5 10m

EQUIPMENT/ACCESSORIES SCHEDULE:

□ DS-ACCU-1	MANUAL DISCONNECT SWITCH 30A 2PST 250V QUICK-MAKE, QUICK-BREAK HEAVY DUTY NON-FUSIBLE NEMA-4 (RAINTIGHT) STAINLESS STEEL ENCL.
□ DS-ACCU-2	- ditto -
□ DS-ACCU-3	SAME AS □ DS-ACCU-1 EXCEPT 40A
□ DS-ACCU-4	- ditto -
□ DS-ACCU-5	SAME AS □ DS-ACCU-1 EXCEPT 40A
□ DS-ACCU-6A	- ditto -
□ DS-ACCU-6B	- ditto -
[WH] DS-T1	MANUAL DISCONNECT SWITCH 40A 2PST 250V QUICK-MAKE, QUICK-BREAK HEAVY DUTY NON-FUSIBLE NEMA-3R (WATERTIGHT) STAINLESS STEEL ENCL.
[WH] DS-T2	SAME AS [WH] DS-T1 EXCEPT 30A
[WH] DS-T&S-1	SAME AS [WH] DS-T1
[WH] DS-T&S-1A	SAME AS [WH] DS-T1 EXCEPT 30A
[WH] DS-T&S-1B	SAME AS [WH] DS-T1 EXCEPT 30A

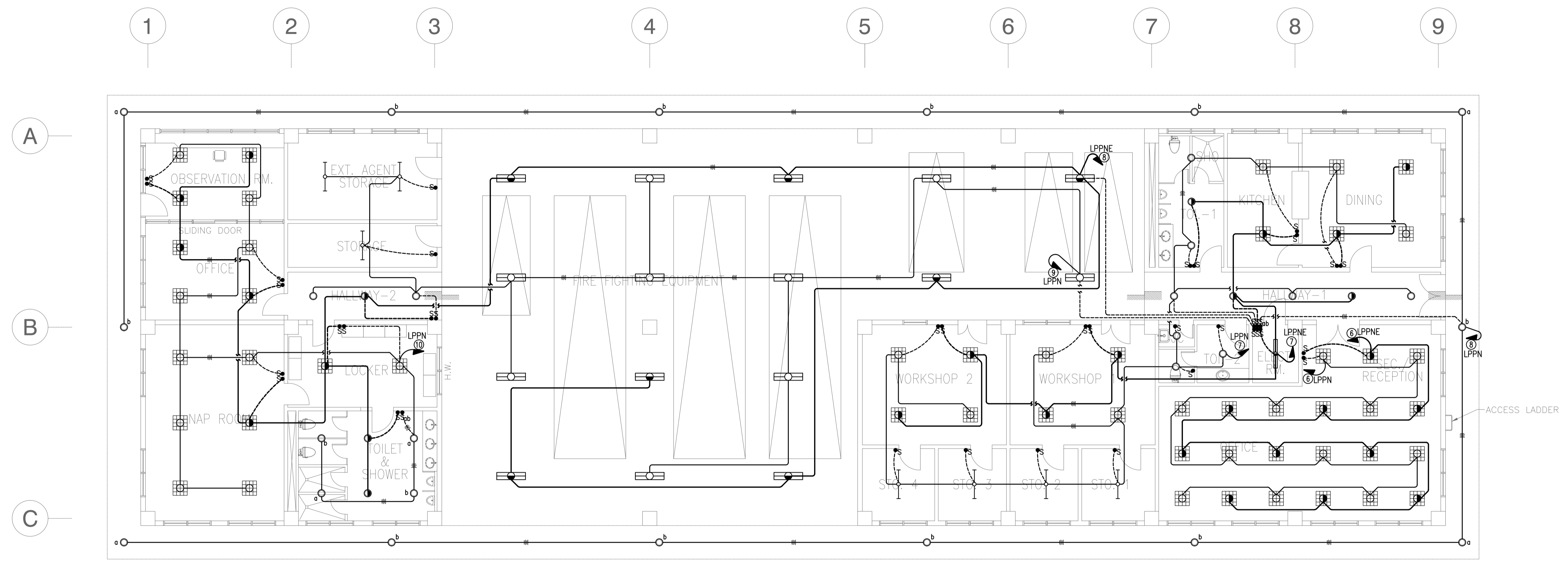
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N.A. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL PWR FEEDER LAYOUT	SHEET NO: B4-6100-03
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX: _____ AMENDMENTS: _____ Prepared by: _____ Checked by: _____ Validated by: _____	DRAWING SCALE: 1:100m	



NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR RECEPTACLE LAYOUT PLAN
 B4-6200-01 GRAPHIC SCALE 0 1 2 5 10m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773 REG. NO.: 1927 DATE: 1-04-13 T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL RECEPTACLE LAYOUT	SHEET NO: B4-6200-01 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE <small>Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS</small>	JAPAN INTERNATIONAL COOPERATION AGENCY	JAC JAPAN AIRPORT CONSULTANTS, INC.	NIPPON KOEI CO., LTD.	NIS CONSULTANTS CO., LTD.	DATE: JUNE 2013 INDEX: WIM HC AMENDMENTS: Prepared by, Checked by, Validated by



NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR LIGHTING LAYOUT PLAN
 B4-6200-02 GRAPHIC SCALE 0 1 2 5 10m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773 REG. NO.: 1927 DATE: 1-04-13 T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL LIGHTING LAYOUT	SHEET NO: B4-6200-02
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	NIPPON KOEI CO., LTD.	NIS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	DATE: JUNE 2013 INDEX:	AMENDMENTS:

PANEL: MDPNE-FSM		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY				
TO: 230V LVSGNE-CTO								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	PANEL "LPPNE"	22130	32.09	34.07	30.05	3-10mm² XLPE, 1-3.5mm² TW	32mmØ/CABLE TRAY	100AT, 100AF 3P MCCB
2	PANEL "FTCNE"	3000	4.35	4.35	4.35	3-4mm² XLPE, 1-3.5mm² TW	20mmØ/CABLE TRAY	30AT, 100AF 3P MCCB
3	SPARE							30AT, 100AF 3P MCCB
4	SPARE							30AT, 100AF 3P MCCB
		25130	36.43	38.41	34.40			
It = 38.41 x 1.732 = 66.52 A								
MAIN PROTECTION: 100AT, 100AF 3P MCCB, 10kAIC								
FEEDER SIZE: 3-120mm² XLPE + 1-14mm² TW								

PANEL: LPPNE		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY				
TO: MDPNE-FSM								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	4.1KW ACCU-6B + FCU @ OFFICE-1	5130	22.28			3-5.5mm² THHN	15mmØ	30AT, 2P CB
2	2.24KW ACCU-3 + FCU @ OFFICE	2800		12.17		3-3.5mm² THHN	15mmØ	20AT, 2P CB
3	2.65KW ACCU-4 + FCU @ OBSERVATION RM	3310			14.40	3-5.5mm² THHN	15mmØ	30AT, 2P CB
4	180W EF @ EE RM	230	1.00			3-3.5mm² THHN	15mmØ	20AT, 2P CB
5	6 - CONV. RECEPT. @ ELECTRICAL RM, OFFICE-1, WORKSHOP1&2, OFFICE & OBS. RM	2400		10.43		3-3.5mm² THHN	15mmØ	20AT, 2P CB
6	10 - 4x20W FLUO. @ OFFICE-1	1000			4.34	3-3.5mm² THHN	15mmØ	20AT, 2P CB
7	1 - 40W FLUO. + 7 - 4x20W FLUO. + 2 - 18W PLC @ MAINTENANCE BLDG.	795	3.45			3-3.5mm² THHN	15mmØ	20AT, 2P CB
8	7 - 2x40W FLUO. + 3 - 18W PLC + 6 - 4x20W FLUO. @ GARAGE & FRS	1368		5.94		3-3.5mm² THHN	15mmØ	20AT, 2P CB
9	1 - CONV. RECEPT. @ OBSERVATION RM (SUPPLY FOR ANS EQUIP.)	360			1.56	3-3.5mm² THHN	15mmØ	20AT, 2P CB
10	SPARE							
11	SPARE							
12	SPARE							
		17393	26.73	28.54	20.3			
It = 28.54 x 1.732 = 49.43 A								
FEEDER SIZE: 3-10mm² XLPE + 1-5.5mm² TW								
MAIN PROTECTION: 100AT, 100AF 3P MCCB, 10kAIC								






PANEL: FTCNE		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY				
TO: MDPNE-FSM								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	FIRE TRUCK CHARGER	1000	4.35			3-3.5mm² THHN	15mmØ	20AT, 2P CB
2	FIRE TRUCK CHARGER	1000		4.35		3-3.5mm² THHN	15mmØ	20AT, 2P CB
3	FIRE TRUCK CHARGER	1000			4.35	3-3.5mm² THHN	15mmØ	20AT, 2P CB
4	SPARE	0						20AT, 2P CB
5	SPARE	0						20AT, 2P CB
6	SPARE	0						20AT, 2P CB
		3000	4.35	4.35	4.35			
It = 4.35 x 1.732 = 8 A								
FEEDER SIZE: 3-4mm² XLPE + 1-5.5mm² TW								
MAIN PROTECTION: 30AT, 100AF 3P MCCB, 10kAIC								

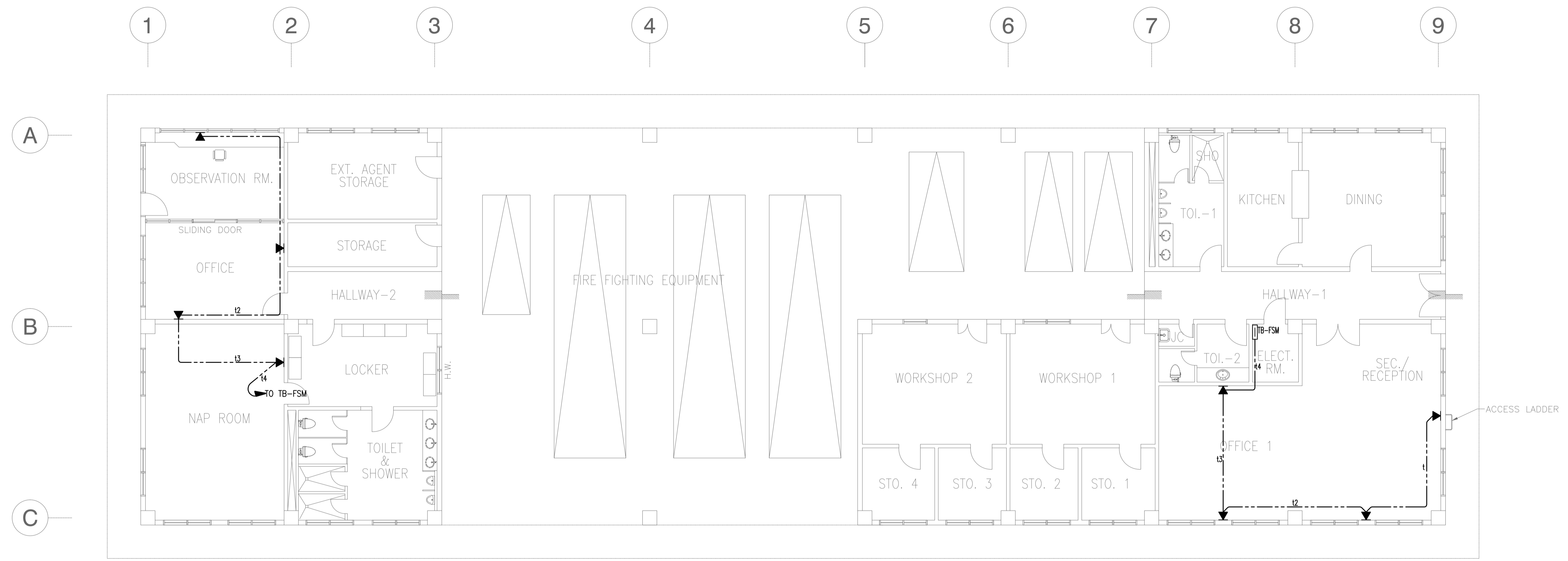
PANEL: MDPN-FSM		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL				
TO: 230V LVSGN-CTO								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	PANEL "LPPN"	22140	32.80	31.30	32.13	3-10mm² XLPE, 1-8mm² TW	32mmØ/CABLE TRAY	75AT, 100AF 3P MCCB
2	PANEL "VACN"	52440	75.33	75.71	76.96	3-35mm² XLPE, 1-14mm² TW	50mmØ/CABLE TRAY	175AT, 225AF 3P MCCB
3	SPARE							30AT, 100AF 3P MCCB
4	SPARE							30AT, 100AF 3P MCCB
		74580	108.13	107.01	109.09			
It = 109.09 x 1.732 = 188.94 A								
FEEDER SIZE: 2SETS OF 3-150mm² XLPE + 1-14mm² TW								
MAIN PROTECTION: 225AT, 225AF 3P MCCB, 10kAIC								

PANEL: LPPN		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL				
TO: MDPN-FSM								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	7 - CONV. RECEPT. @ KITCHEN, DINING & OFFICE-1	2520	10.96			3-3.5mm² THHN	15mmØ	20AT, 2P CB
2	5 - CONV. RECEPT. @ WORKSHOP1&2 AND GARAGE	1800		7.83		3-3.5mm² THHN	15mmØ	20AT, 2P CB
3	8 - CONV. RECEPT. @ FRS	2880			12.52	3-3.5mm² THHN	15mmØ	20AT, 2P CB
4	1000VA HANDDRYER @ TOILET-1	1000	4.35			3-3.5mm² THHN	15mmØ	20AT, 2P CB
5	1000VA HANDDRYER @ TOILET & SHOWER	1000		4.35		3-3.5mm² THHN	15mmØ	20AT, 2P CB
6	11 - 4x20W FLUO. @ OFFICE-1	1100			4.78	3-3.5mm² THHN	15mmØ	20AT, 2P CB
7	8 - 18W PLC @ PERIMETER + 7 - 4x20W FLUO. @ MAINTENANCE BLDG.	1080	4.69			3-3.5mm² THHN	15mmØ	20AT, 2P CB
8	14 - 18W PLC @ PERIMETER	315		1.36		3-3.5mm² THHN	15mmØ	20AT, 2P CB
9	8 - 2x40W FLUO. + 3 - 40W FLUO. + 2 - 18W PLC @ GARRAGE & FRS	995			4.32	3-3.5mm² THHN	15mmØ	20AT, 2P CB
10	10 - 4x20W FLUO. + 4 - 18W PLC @ FRS	1090		4.74		3-3.5mm² THHN	15mmØ	20AT, 2P CB
11	CB @ GH2-FSM (2 - 18W PLC + 2-CONV. RECEPT. + 65W TEF + 47W EF)	630	2.74			[2-5.5mm² + 1-3.5mm²] THHN	25mmØ/EHH	20AT, 2P CB
12	SPARE							20AT, 2P CB
13	SPARE							20AT, 2P CB
14	SPARE							20AT, 2P CB
15	SPARE							20AT, 2P CB
16	SPARE							20AT, 2P CB
17	SPARE							20AT, 2P CB
18	SPARE							20AT, 2P CB
		14410	20.00	21.02	21.62			
It = 21.62 x 1.732 = 37.45 A								
FEEDER SIZE: 3-10mm² XLPE + 1-8mm² TW								
MAIN PROTECTION: 100AT, 100AF 3P MCCB, 10kAIC								

PANEL: VACN		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL				
TO: MDPN-FSM								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	4.1KW ACCU-6A + FCU @ OFFICE-1	5130	22.28			3-5.5mm² THHN	15mmØ	30AT, 2P CB
2	5.07KW ACCU-5 + FCU @ DINING	6340		27.55		[2-8mm² + 1-5.5mm²] THHN	20mmØ	40AT, 2P CB
3	4.63KW ACCU-2 + FCU @ NAP RM	5790			25.16	[2-8mm² + 1-5.5mm²] THHN	20mmØ	40AT, 2P CB
4	1.21KW ACCU-1 + FCU @ LOCKER RM	1510	6.58			3-3.5mm² THHN	15mmØ	20AT, 2P CB
5	370W EF @ KITCHEN	460		2.00		3-3.5mm² THHN	15mmØ	20AT, 2P CB
6	180W EF @ TOILET-1	230			1.00	3-3.5mm² THHN	15mmØ	20AT, 2P CB
7	180W EF @ TOILET-2	230	1.00			3-3.5mm² THHN	15mmØ	20AT, 2P CB
8	180W EF @ STORAGE 1&2	230		1.00		3-3.5mm² THHN	15mmØ	20AT, 2P CB
9	370W EF @ STORAGE 3&4	460		2.00		3-3.5mm² THHN	15mmØ	20AT, 2P CB
10	370W EF @ WORKSHOP-1	460			2.00	3-3.5mm² THHN	15mmØ	20AT, 2P CB
11	370W EF @ WORKSHOP-2	460		2.00		3-3.5mm² THHN	15mmØ	20AT, 2P CB
12	180W EF @ TOILET & SHOWER	230			1.00	3-3.5mm² THHN	15mmØ	20AT, 2P CB
13	370W EF @ EXT. AGENT & STORAGE	460	2.00			3-3.5mm² THHN	15mmØ	20AT, 2P CB
14	4.5KW WATER HEATER @ SHOWER (TOILET-1)	5625		24.46		3-5.5mm² THHN	15mmØ	30AT, 2P CB
15	6.5KW WATER HEATER @ LAVATORY (TOILET-1)	8125			35.37	[2-8mm² + 1-5.5mm²] THHN	20mmØ	40AT, 2P CB
16	3.5KW WATER HEATER @ TOILET-2	4375	19.02			3-5.5mm² THHN	15mmØ	30AT, 2P CB
17	6.5KW WATER HEATER @ LAVATORY (TOILET & SHOWER)	8125	35.37			[2-8mm² + 1-5.5mm²] THHN	20mmØ	40AT, 2P CB
18	4.5KW WATER HEATER @ SHOWER (TOILET & SHOWER)	5625			24.46	3-5.5mm² THHN	15mmØ	30AT, 2P CB
19	4.5KW WATER HEATER @ SHOWER (TOILET & SHOWER)	5625		24.46		3-5.5mm² THHN	15mmØ	30AT, 2P CB
20	SPARE							20AT, 2P CB
21	SPARE							20AT, 2P CB
22	SPACE FOR 100AF 2P CB							
23	SPACE FOR 100AF 2P CB							
24	SPACE FOR 100AF 2P CB							
		59490	86.25	83.47	88.99			
It = 88.99 x 1.732 = 154.13 A								
FEEDER SIZE: 3-35mm² XLPE + 1-14mm² TW								
MAIN PROTECTION: 175AT, 225AF 3P MCCB, 10kAIC								

FIRE STATION AND MAINTENANCE BUILDING (FSM)
1 PANEL SCHEDULE
B4-6200-03 NOT TO SCALE

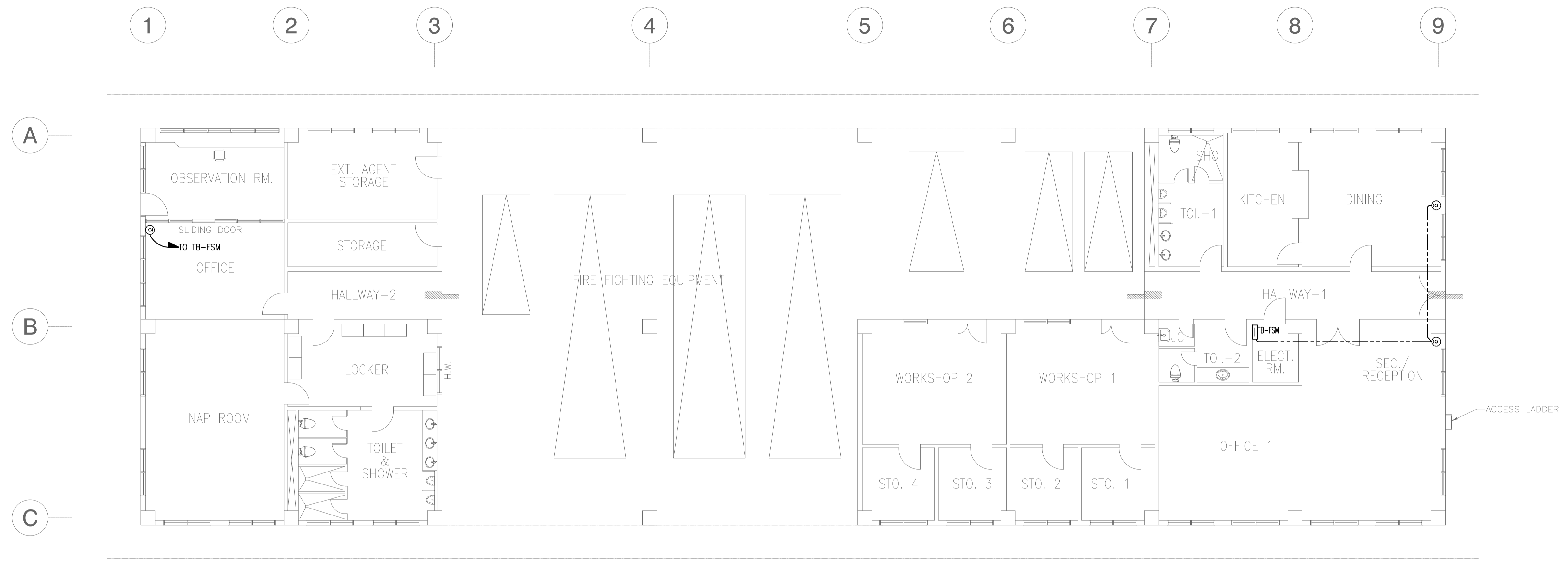
 Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	 JAPAN INTERNATIONAL COOPERATION AGENCY	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. PROF. ELECTRICAL ENGINEER PIR. 140373 REG. NO.: 1927 DATE: 1-04-13 TEL. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL PANEL SCHEDULE	SHEET NO: B4-6200-03 DRAWING SCALE:	
JICA DESIGN CONSULTANT JOINT VENTURE  JAPAN AIRPORT CONSULTANTS, INC.		 NIPPON KOEI CO., LTD.		 NIS CONSULTANTS CO., LTD.		TADASHI AOI Team Leader	DATE INDEX AMENDMENTS Prepared by Checked by Validated by	



NOTE: REFER TO TELEPHONE SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR TELEPHONE SYSTEM PLAN
 B4-6300-01 GRAPHIC SCALE 0 1 2 5 10m

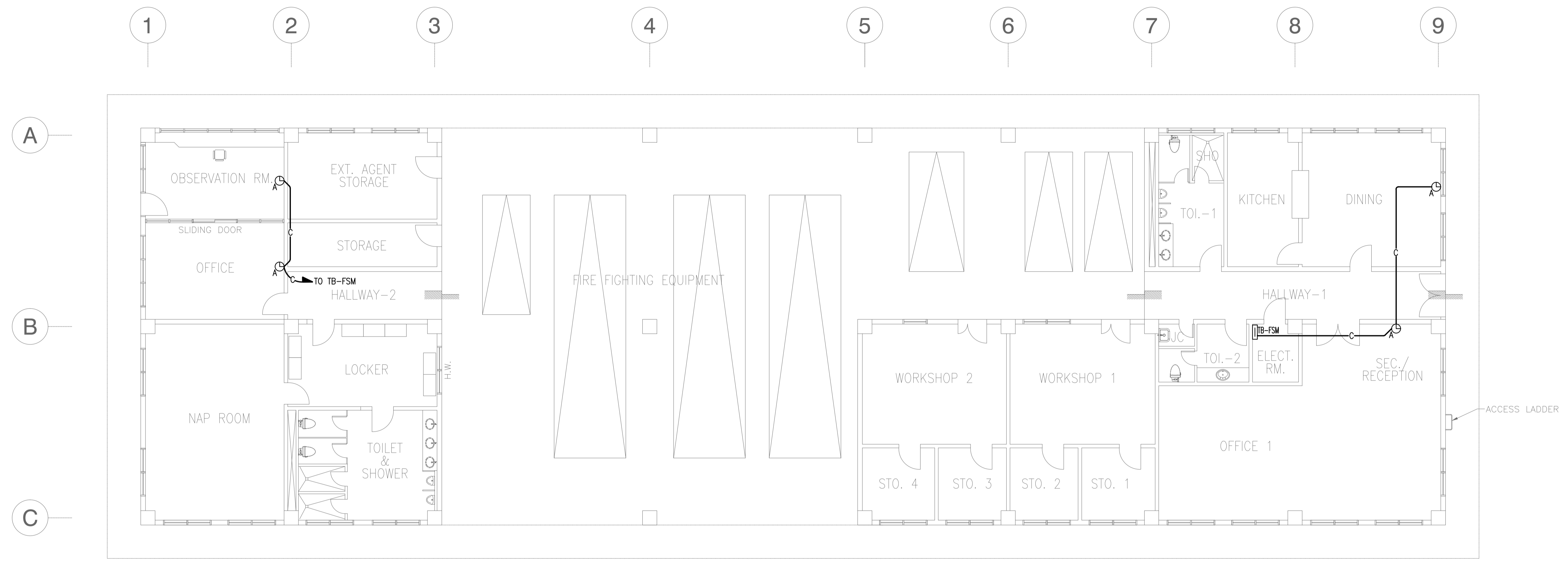
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N.K. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL TELEPHONE LAYOUT	SHEET NO: B4-6300-01
	JICA DESIGN CONSULTANT JOINT VENTURE TADASHI AOI <small>Team Leader</small>	JUNE 2013 DATE INDEX AMENDMENTS Prepared by WIM Checked by HC Validated by	DRAWING SCALE: NTS				



NOTE: REFER TO CABLE TV SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR CABLE TV SYSTEM PLAN
 B4-6400-01 GRAPHIC SCALE 0 1 2 5 10m

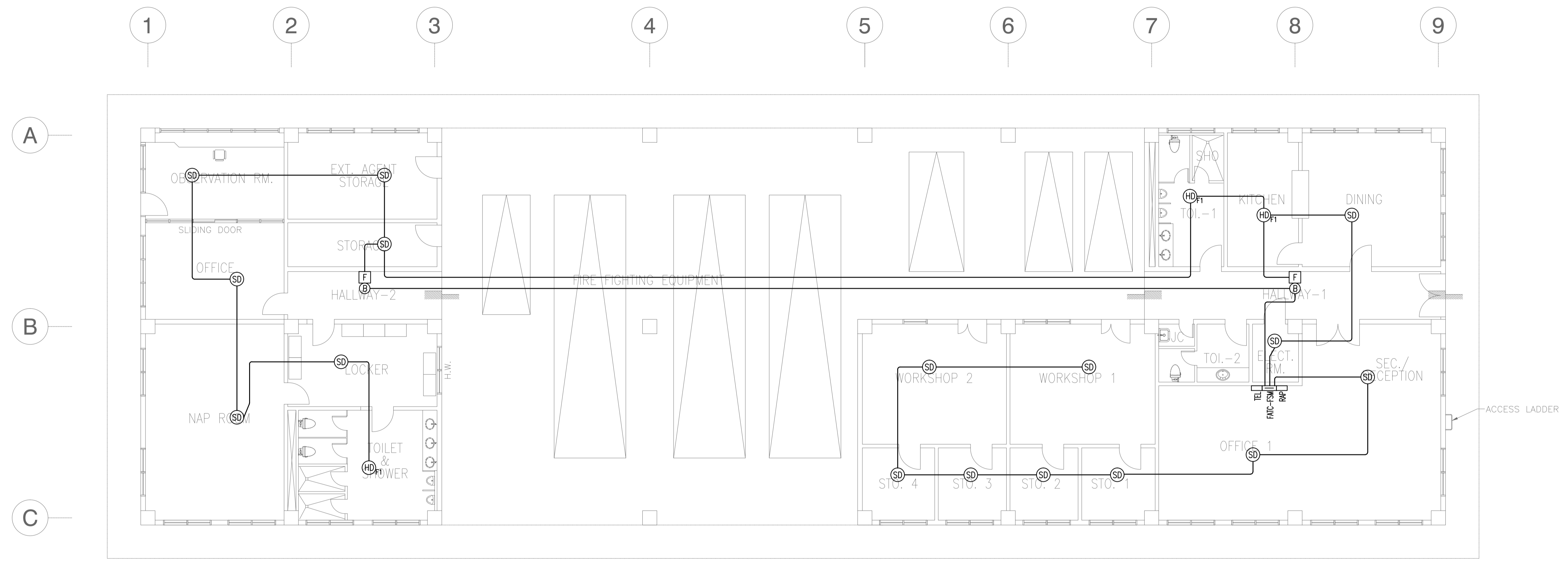
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.J.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary</small> <small>for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL CABLE TV LAYOUT	SHEET NO: B4-6400-01
	JICA DESIGN CONSULTANT JOINT VENTURE TADASHI AOI <small>Team Leader</small>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:	DRAWING SCALE: 1:100 m		



NOTE: REFER TO SYNCHRONIZING CLOCK SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR SYNCHRONIZING CLOCK SYSTEM PLAN
 B4-6600-01 GRAPHIC SCALE 0 1 2 5 10m

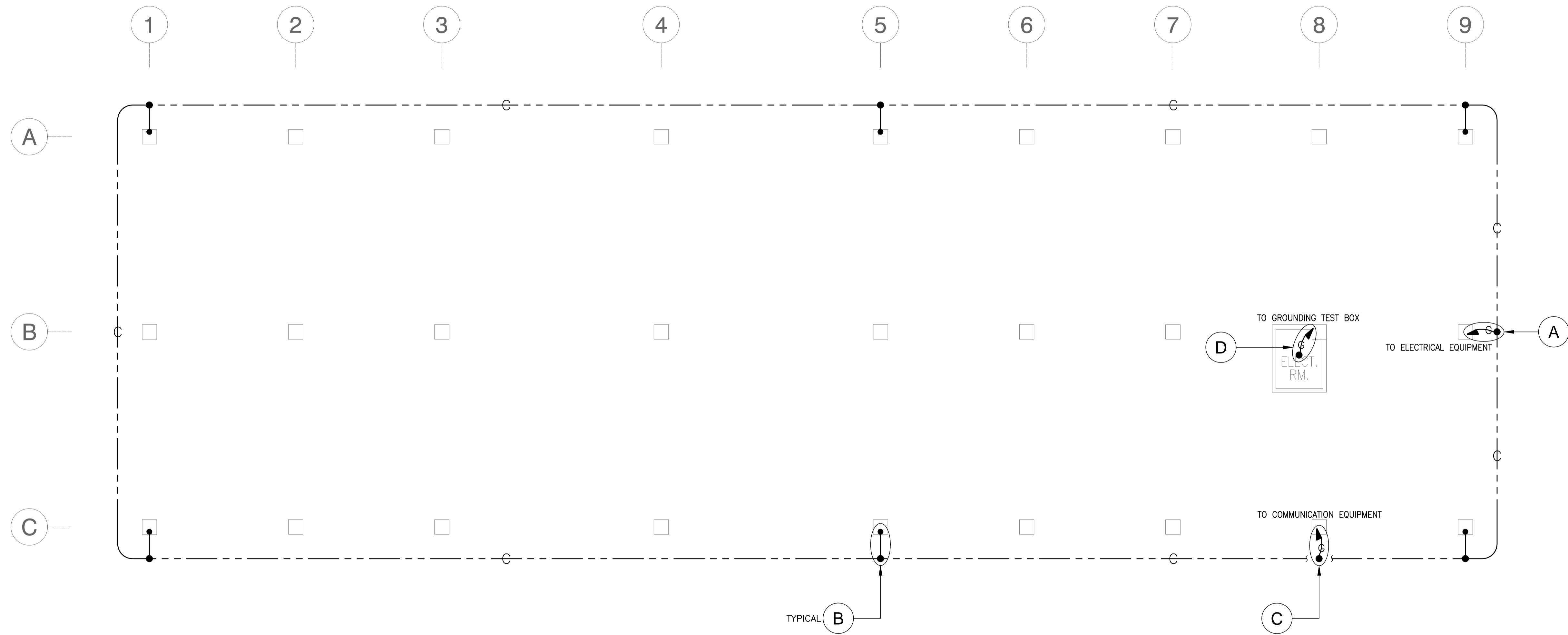
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL CLOCK LAYOUT	SHEET NO: B4-6600-01		
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI <small>Team Leader</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL CLOCK LAYOUT	SHEET NO: B4-6600-01	
DATE: JUNE 2013						INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:	DRAWING SCALE: 1:100 m



NOTE: REFER TO FIRE DETECTION AND ALARM SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR FIRE DETECTION AND ALARM SYSTEM PLAN
 B4-6800-01 GRAPHIC SCALE 0 1 2 5 10m

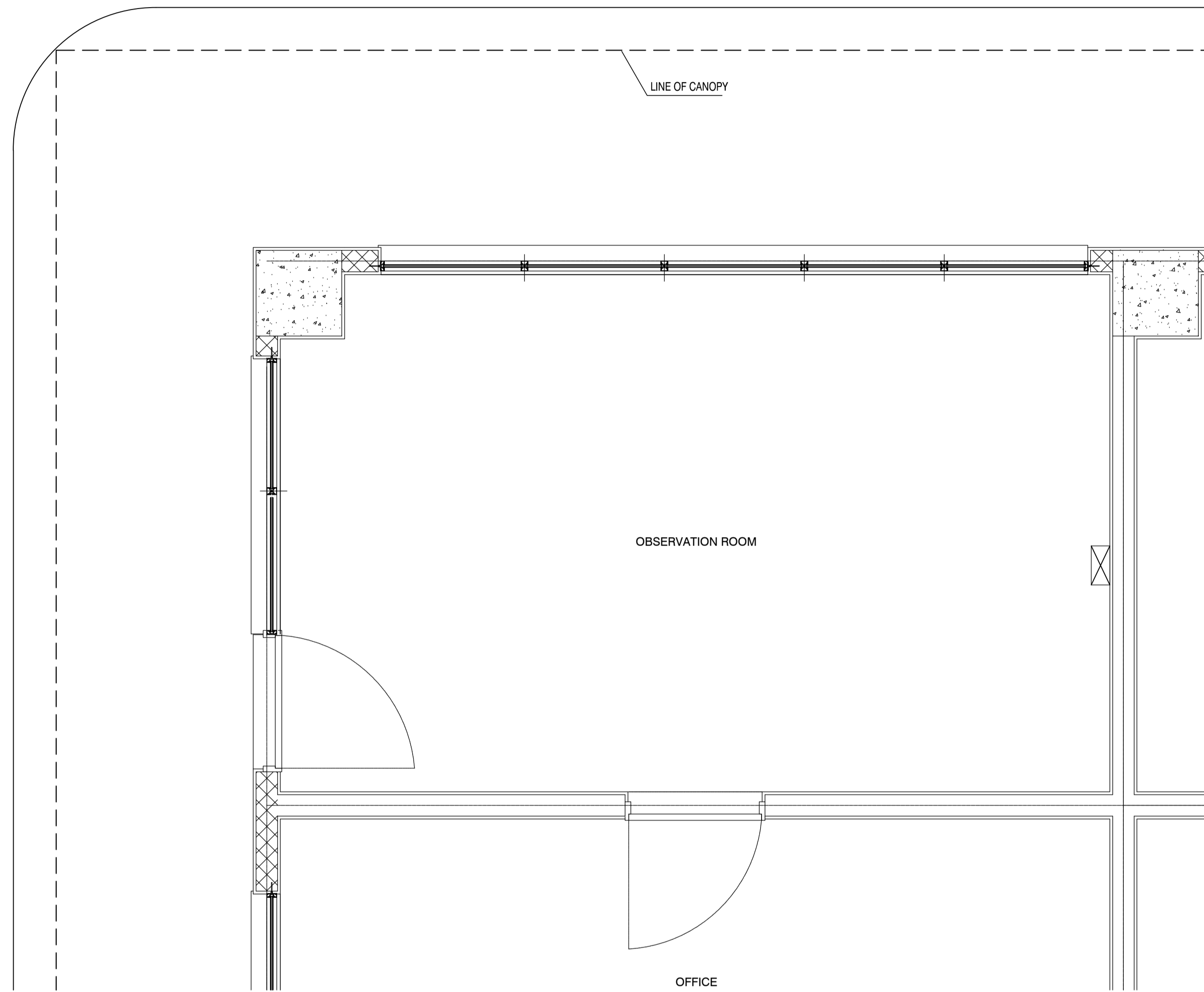
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULJANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL FDAS LAYOUT	SHEET NO: B4-6800-01
	JICA DESIGN CONSULTANT JOINT VENTURE TADASHI AOI <small>Team Leader</small>	JUN 2013 DATE INDEX AMENDMENTS Prepared by WIM Checked by HC Validated by	DRAWING SCALE: 1:100 m				



NOTE: SEE SHEET NO. B0-6900-04 FOR DETAILS.


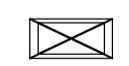
1 FIRE STATION AND MAINTENANCE BUILDING (FSM)
GROUND FLOOR GROUNDING SYSTEM PLAN
 B4-6900-01 GRAPHIC SCALE 0 1 2 5 10m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary</small> <small>for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-4 (B4) Fire Station and Airport Maintenance Building ELECTRICAL GROUNDING SYSTEM	SHEET NO: B4-6900-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	NIPPON KOEI CO., LTD.	NIS CONSULTANTS CO., LTD.	TADASHI AOI <small>Team Leader</small>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:








Location of LCD at FSM GF S=1:50

Legend

-  : LCD monitor
-  : LCD monitor with waterproof box

Note

1. Size of LCD shall be conformed with drawing related to the system block diagram.

 Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	 JAPAN INTERNATIONAL COOPERATION AGENCY	PREPARED BY:	RECOMMENDING APPROVAL:	APPROVED:	PROJECT TITLE:					SHEET CONTENTS:	SHEET NO:
		TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULUANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	JUNE 2013 <small>DATE</small>	<small>INDEX</small>	<small>AMENDMENTS</small>	<small>Prepared by</small>	<small>Checked by</small>	<small>Validated by</small>
JICA DESIGN CONSULTANT JOINT VENTURE   		TADASHI AOI <small>Team Leader</small>									



Republic of the Philippines
DEPARTMENT OF TRANSPORTATION
AND
COMMUNICATIONS



JAPAN
INTERNATIONAL
COOPERATION
AGENCY

NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT

DRAWINGS

COMPONENT-4 Building Works (B)

Subcomponent-4-5 Ancillary Buildings (DRL, CPT, GDH, TLB)



August 2013

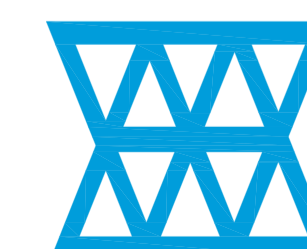
JICA DESIGN CONSULTANT JOINT VENTURE



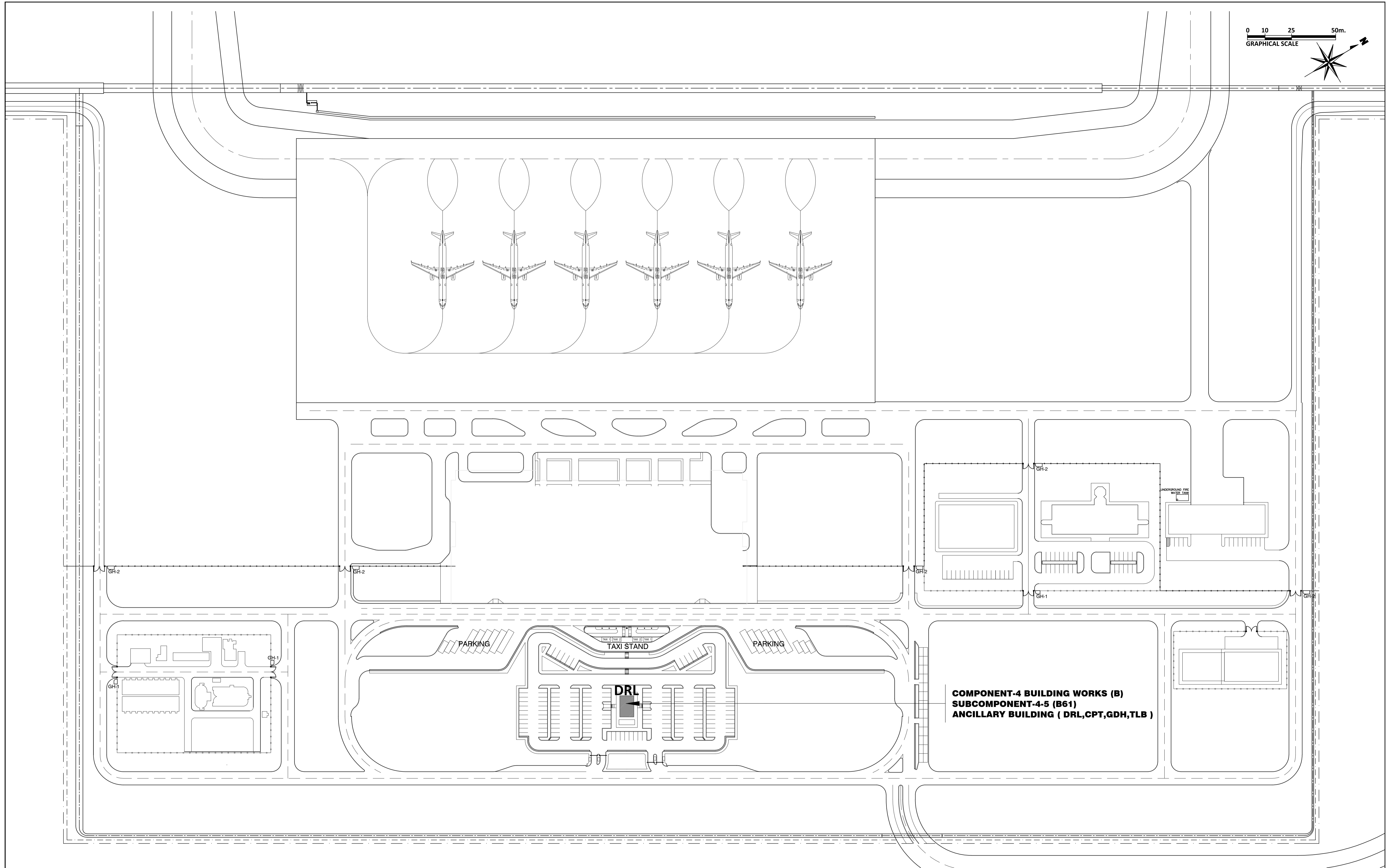
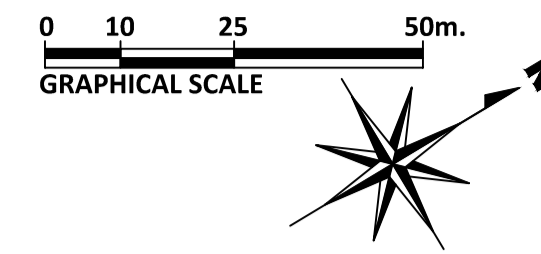
JAPAN AIRPORT
CONSULTANTS,
INC.



NIPPON KOEI
CO., LTD.



NJS CONSULTANTS
CO., LTD.



**COMPONENT-4 BUILDING WORKS (B)
SUBCOMPONENT-4-5 (B61)
ANCILLARY BUILDING (DRL,CPT,GDH,TLB)**

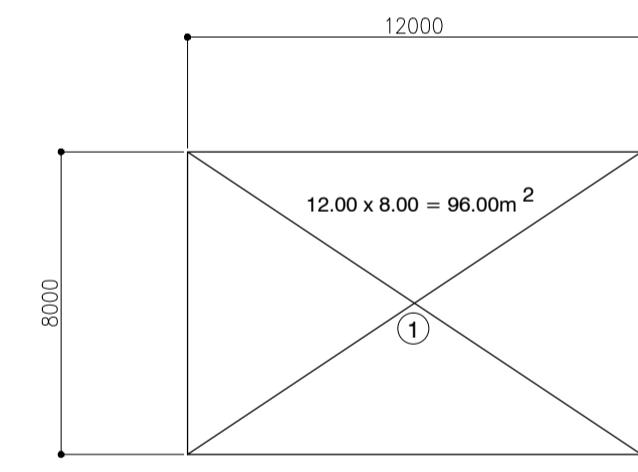
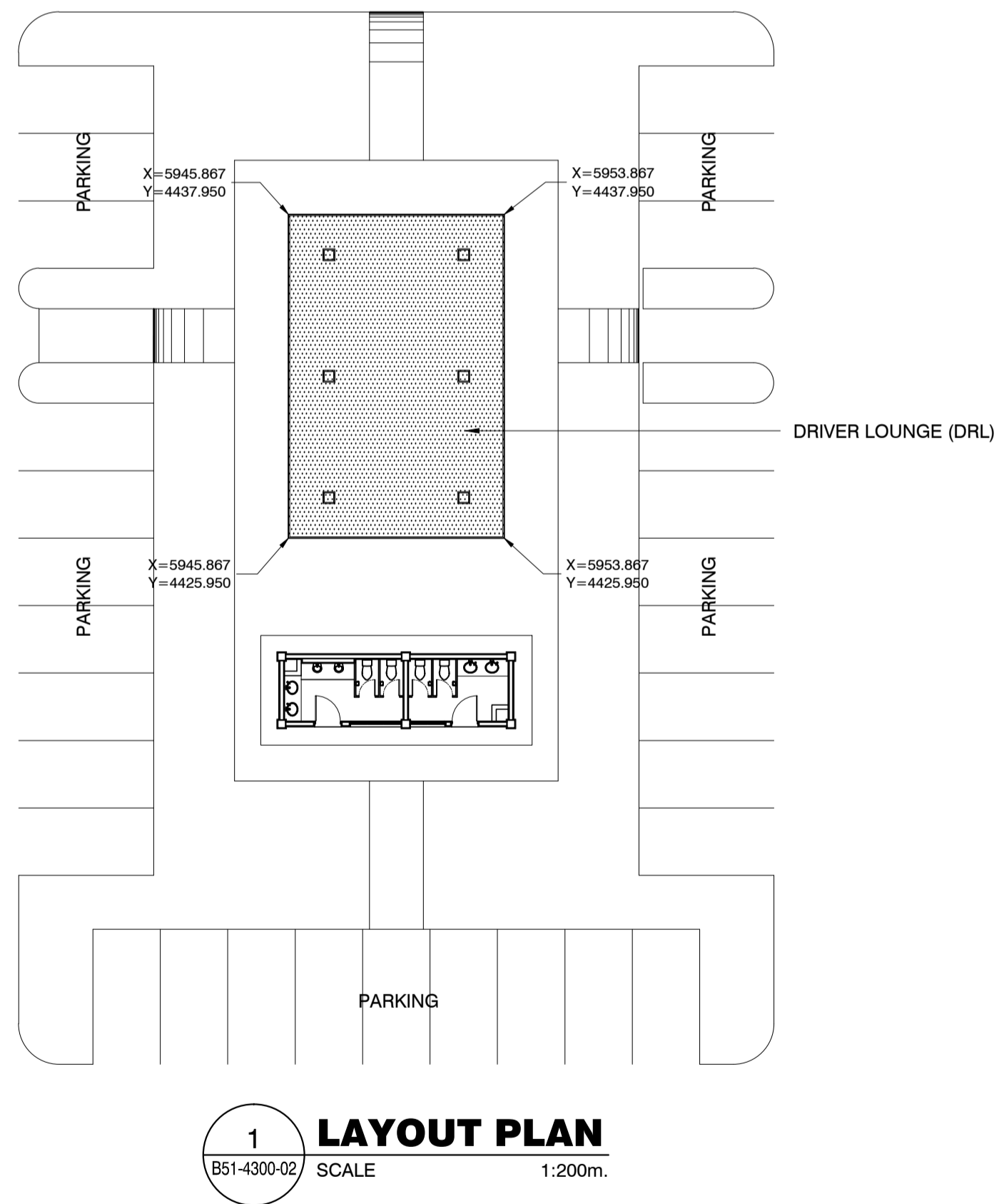
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR. 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 T.N. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B51) DRIVERS LOUNGE ARCHITECTURAL LOCATION PLAN	SHEET NO: B51-4300-01 DRAWING SCALE: 1:1000 M.
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE INDEX AMENDMENTS JUNE 2013 Prepared by: WIM Checked by: HC Validated by:	SHEET NO: B51-4300-01 DRAWING SCALE: 1:1000 M.

DRIVER'S LOUNGE (DRL) OUTLINE OF EXTERNAL FINISHING SCHEDULE

Portion	Appl.	Symbol	Finishing Material	Portion	Appl.	Symbol	Finishing Material
Floor		FLG	t=30 Granite tile with jet burner finish on cement setting bed	Walls		WLA	Aluminum Back-mullion Curtain wall Framing system
		FLS	Cement render finishing with metal troweled (t=30)		x	WLR	Cement render finish w/P-4
x	FLC	Ceramic tile 300 x 300 slip resistance finishing			WLC	Fair faced concrete w/P-4	
	ROD	Single folded steel plate roof with insulation (Folded steel plate : t=0.6, h=41 Fluorin-resin coated aluminized steel, t=100 Glass wool wrapped in polyethylene film)			WLD	Aluminum Cladding: Anodizing with electro deposition Aluminum composite panel w/ polyethylene insulation t=40mm	
Roof		ROS	Single folded steel plate (t=0.6, h=41) fluorine-resin coated aluminized steel w/ prefabricated fiber glass sheet t=5mm	Windows		AW	Anodizing with electro deposition aluminum window
	x	ROC	Protective concrete layer on insulation board and pre-formed waterproofing membrane WP-1	Doors		SD	Steel door w/P-2
		ROPS	Vinyl Chloride resin sheet membrane on insulation board t=30		AD	Anodizing with electro deposition aluminum door	
		ROPR	Hot applied rubberized asphalt waterproofing system WP-2	Column	x	CNR	Cement render finish w/P-4
Roof Gutter		RGA	Stainless sheet (t=2) w/ polyethylene foam W=500		CNC	Fair faced concrete w/P-4	
		RGB	Stainless sheet (t=2) w/ polyethylene foam W=300		CNF	Fair faced concrete	
Fascia		EVA	t=2.5 Aluminum panel w/P-8		CNB	t=8 Calcium silicate board w/P-4	
Parapet		PAF	Fair faced concrete w/P-4		CNS	Steel structure w/P-8	
	x	PAF	Fair faced concrete w/P-4	Beam	x	BMR	Cement render finish w/P-4
DownSpout		DSA	d=100 uPVC PIPE		BMC	Fair faced concrete w/P-4	
		DSB	d=150 Galvanized SGP w/P-3		BMF	Fair faced concrete	
Soffit	x	DSC	d=100 uPVC Pipe w/P-7		BMS	Steel structure w/P-8	
		SFA	t=8 Calcium silicate board w/P-7	Base		BSR	Cement render finish w/P-4 h=300
Parapet Coping		SFB	t=8 Calcium silicate board w/P-1		BSF	Fair faced concrete h=300	
	x	SFC	Formed Face Concrete w/ P-4		SKG	t=8 Ceramic Tiles h=100	
Parapet Coping		PCA	Anodizing with electro deposition Aluminum Coping	Roller Doors		RDST	Roller steel door w/P-3
	x	PCR	Cement render finish w/P-4		RDG	Roller steel grill w/P-3	
Sky Light		SKL	Laminated glass with anodizing with electro deposition frame	Expansion Joint		EXJ	Pre-fabricated stainless steel expansion joint covers
Ladder		LDS	Stainless steel pipe				
		LDS	Stainless steel pipe				

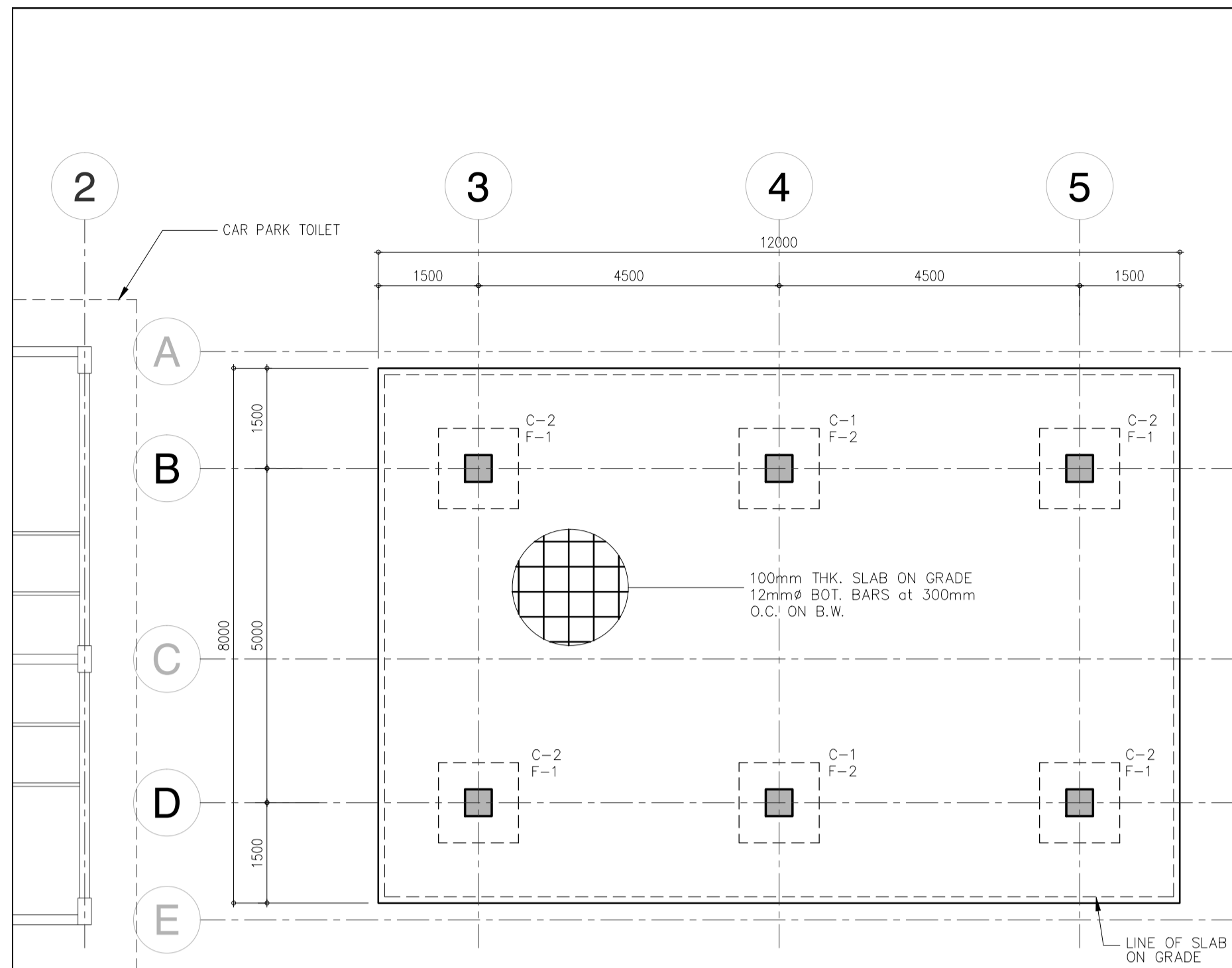
- Legend for Paint Type**
- P-1 Synthetic Resin Emulsion Paint
 - P-2 Synthetic Resin Mixed Paint type I (for wood)
 - P-3 Synthetic Resin Mixed Paint type II (for steel)
 - P-4 Synthetic Resin Emulsion Multi-Layer Coating
 - P-5 Clear Lacquer
 - P-6 Epoxy Resin Floor Paint
 - P-7 Acrylic Resin Enamel Paint
 - P-8 Fluorine-resin Enamel coating

wp-3: Water Proofing : Urethane Waterproofing Coating

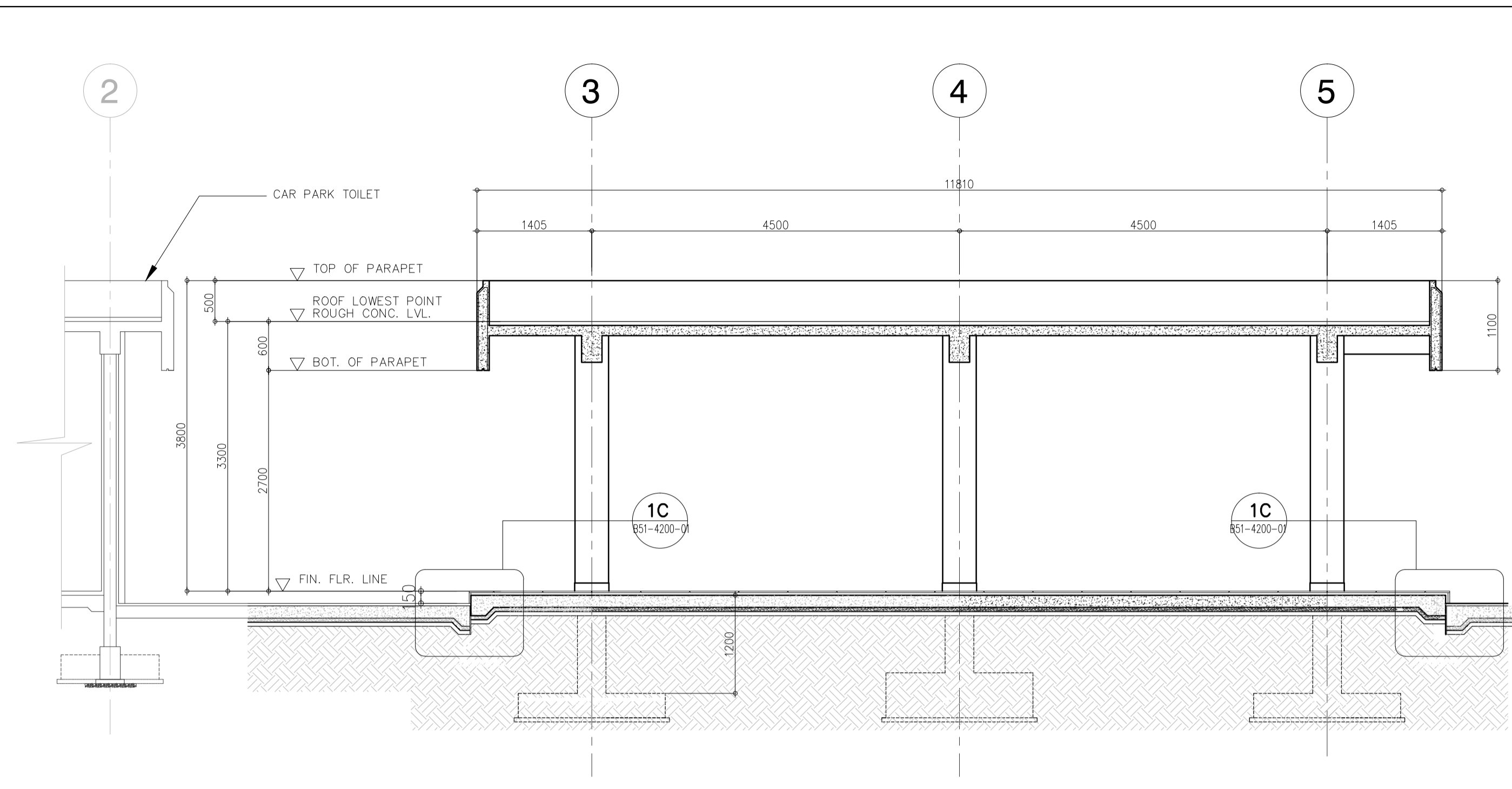


FL	Floor Area No.	Floor Area
GFL	1	96.00 m ²
	TOTAL	96.00 m ²

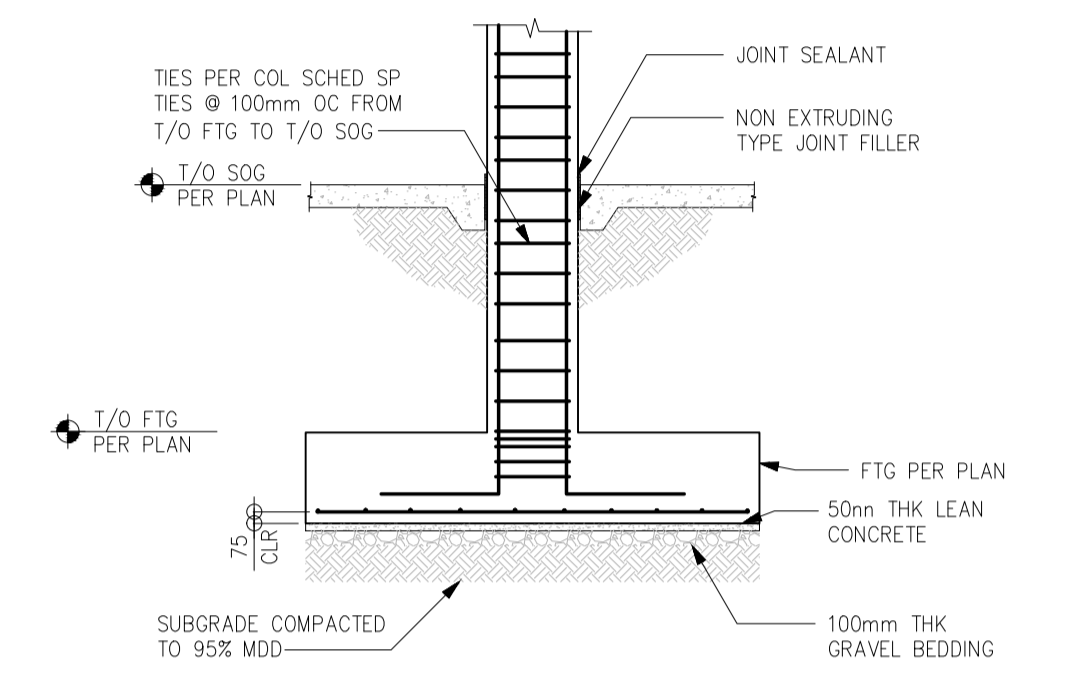
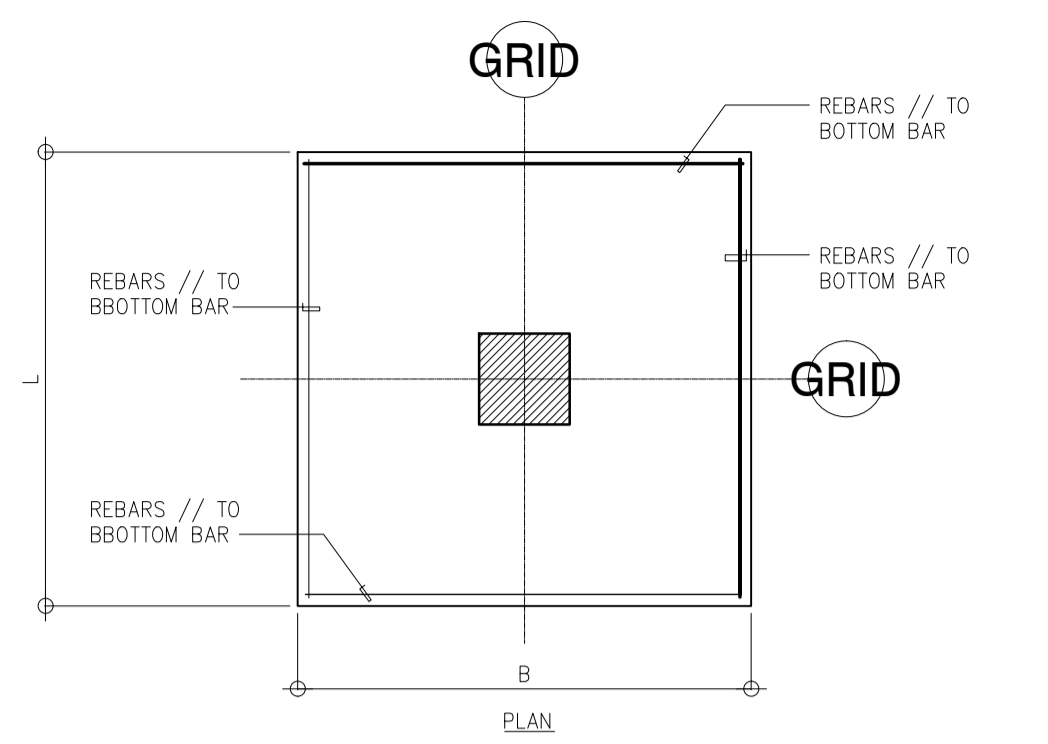
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR. 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 TIN. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B51) DRIVERS LOUNGE ARCHITECTURAL LAYOUT PLAN DRIVER'S LOUNGE FLOOR AREA SCHEDULE EXTERNAL FINISHING SCHEDULE	SHEET NO: B51-4300-02 DRAWING SCALE: AS SHOWN
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	DATE: JUNE 2013 INDEX: AMENDMENTS Prepared by: WIM Checked by: HC Validated by:				



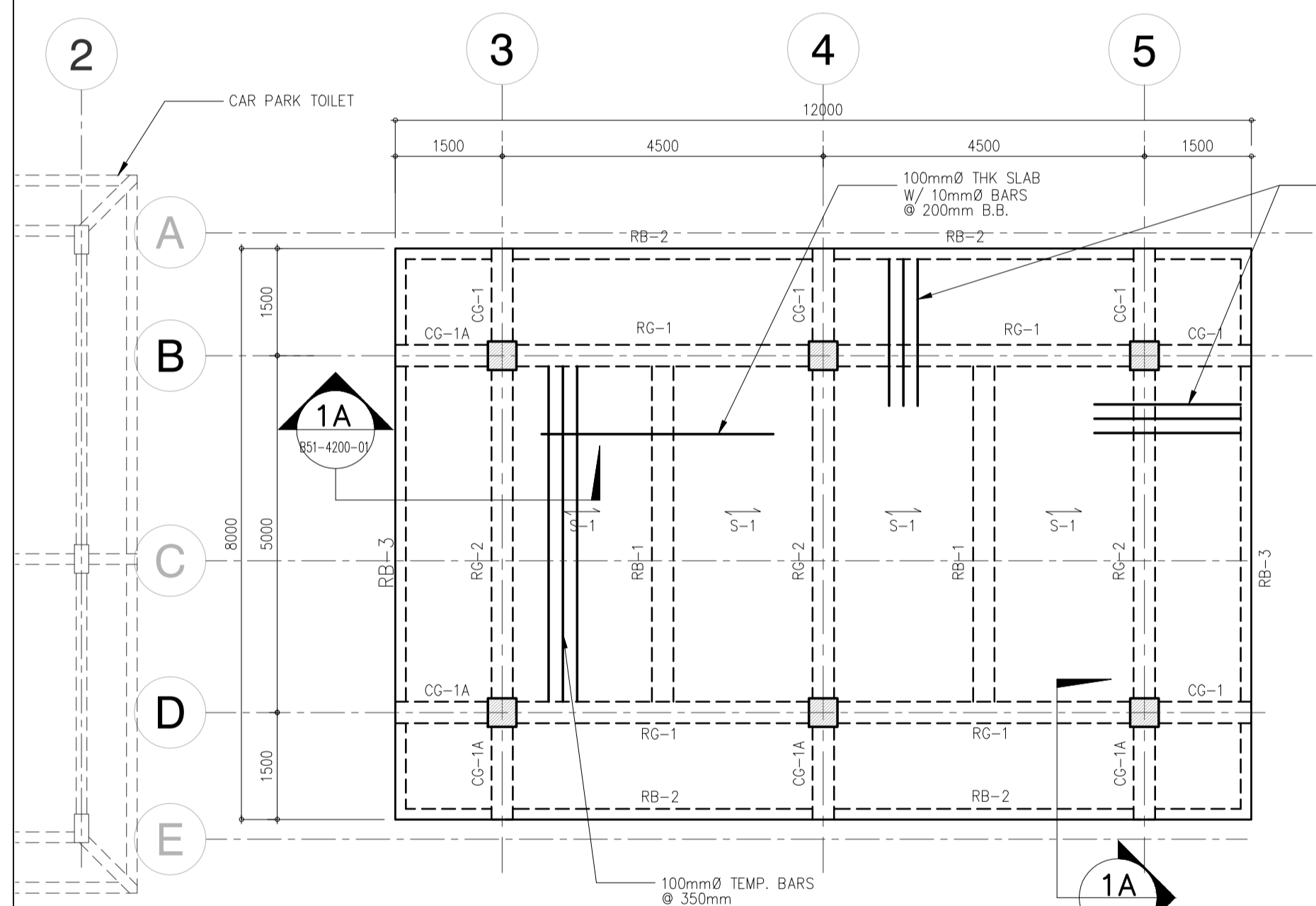
1 FOUNDATION PLAN
SCALE 1 : 75 MTS



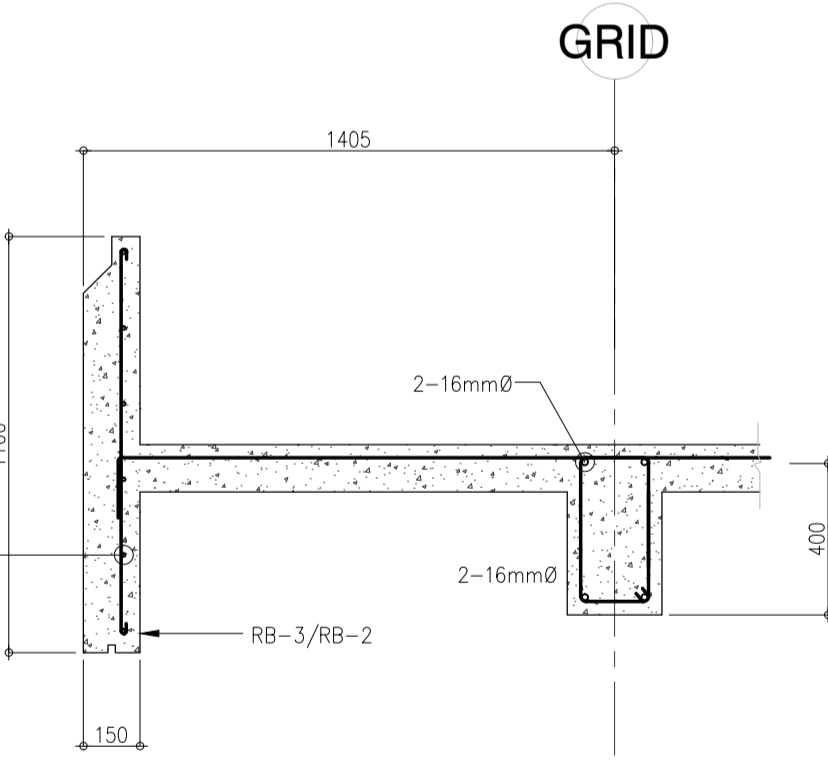
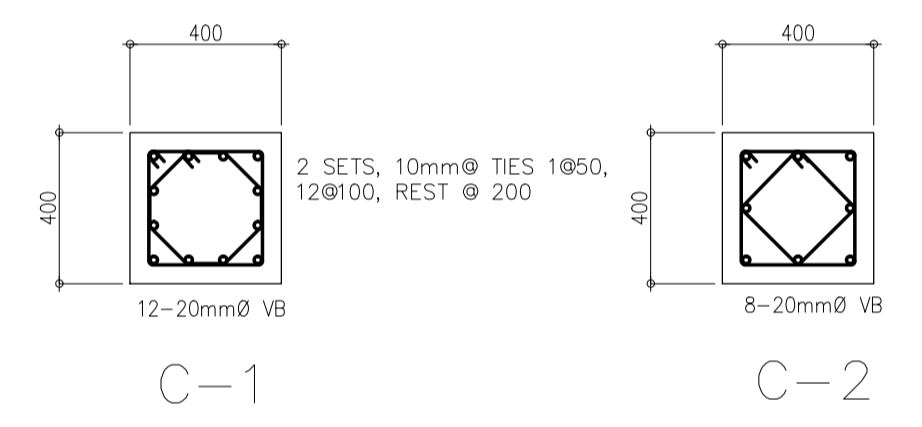
3 FRAME ELEVATION ALONG GRID C
SCALE 1 : 75 MTS



4 TYP. ISOLATED FOOTING DETAIL WITH CONCRETE COLUMN
SCALE 1 : 50 MTS



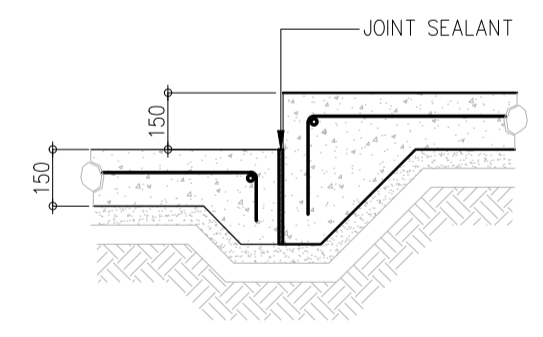
2 ROOF FRAMING PLAN
SCALE 1 : 75 MTS



1A SECTION DETAIL
SCALE 1 : 20 MTS

MARK	DIMENSIONS		REINFORCEMENTS						REMARKS
			LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		
			TOP	MID	TOP	BOT	TOP	BOT	
RB-1	150	400	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	
RG-1	300	400	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	
RG-2	300	400	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	
CG-1	300	400	4-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	CANTILEVER
CG-1A	300	400	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	4-16mm \emptyset	2-16mm \emptyset	CANTILEVER
RB-2	150	1000	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	
RB-3	200	400	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	2-16mm \emptyset	

MARK	DIMENSIONS			REINFORCEMENTS				REMARKS
	LENGTH (L)	WIDTH (B)	THICKNESS (t)	TOP		BOTTOM		
				BARS // TO "L"	BARS // TO "B"	BARS // TO "L"	BARS // TO "B"	
F1	1100	1100	400	-	-	6-12mm \emptyset	6-12mm \emptyset	
F2	1200	1200	400	-	-	5-16mm \emptyset	5-16mm \emptyset	

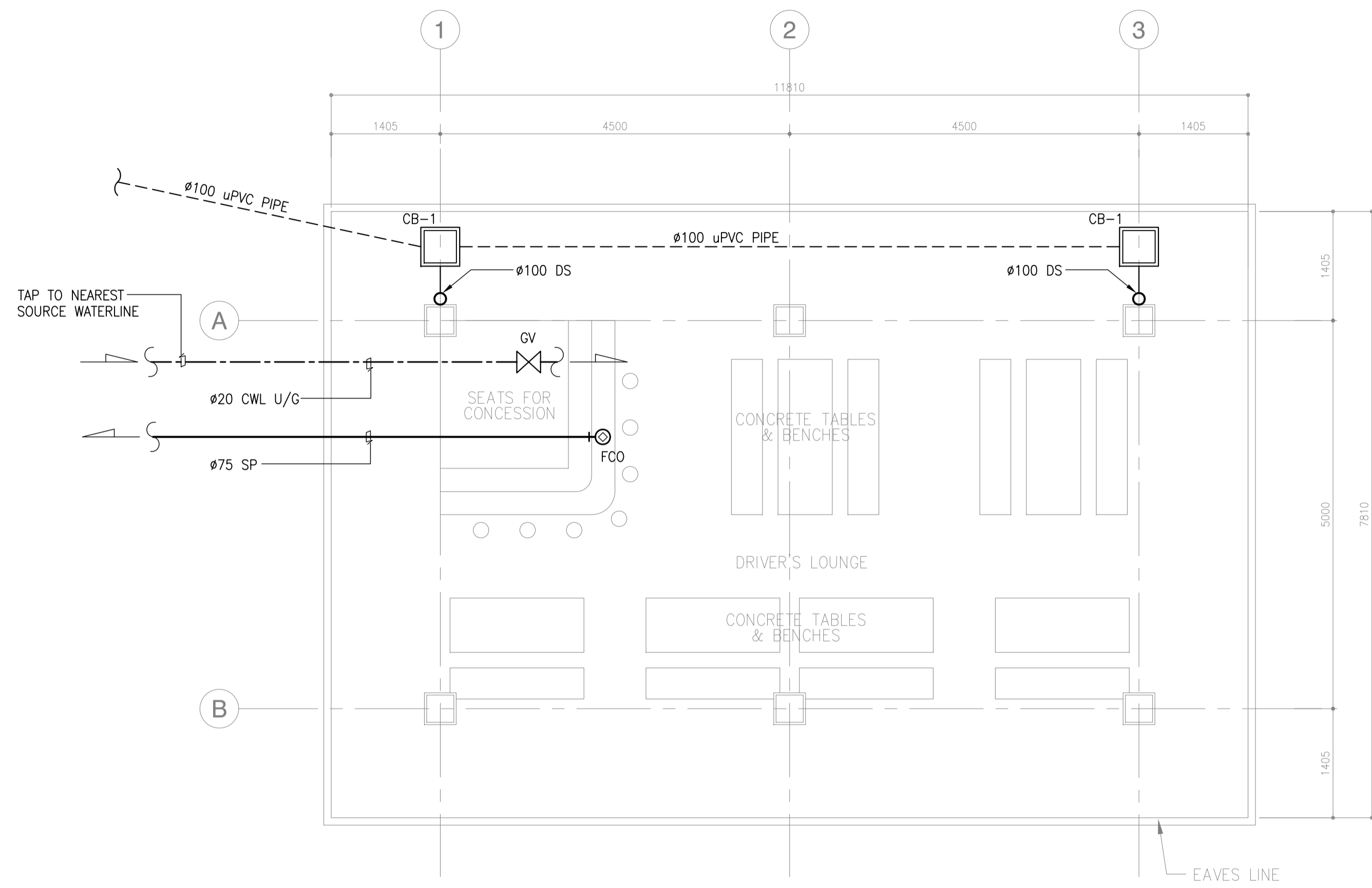


1B SECTION DETAIL
SCALE 1 : 20 MTS

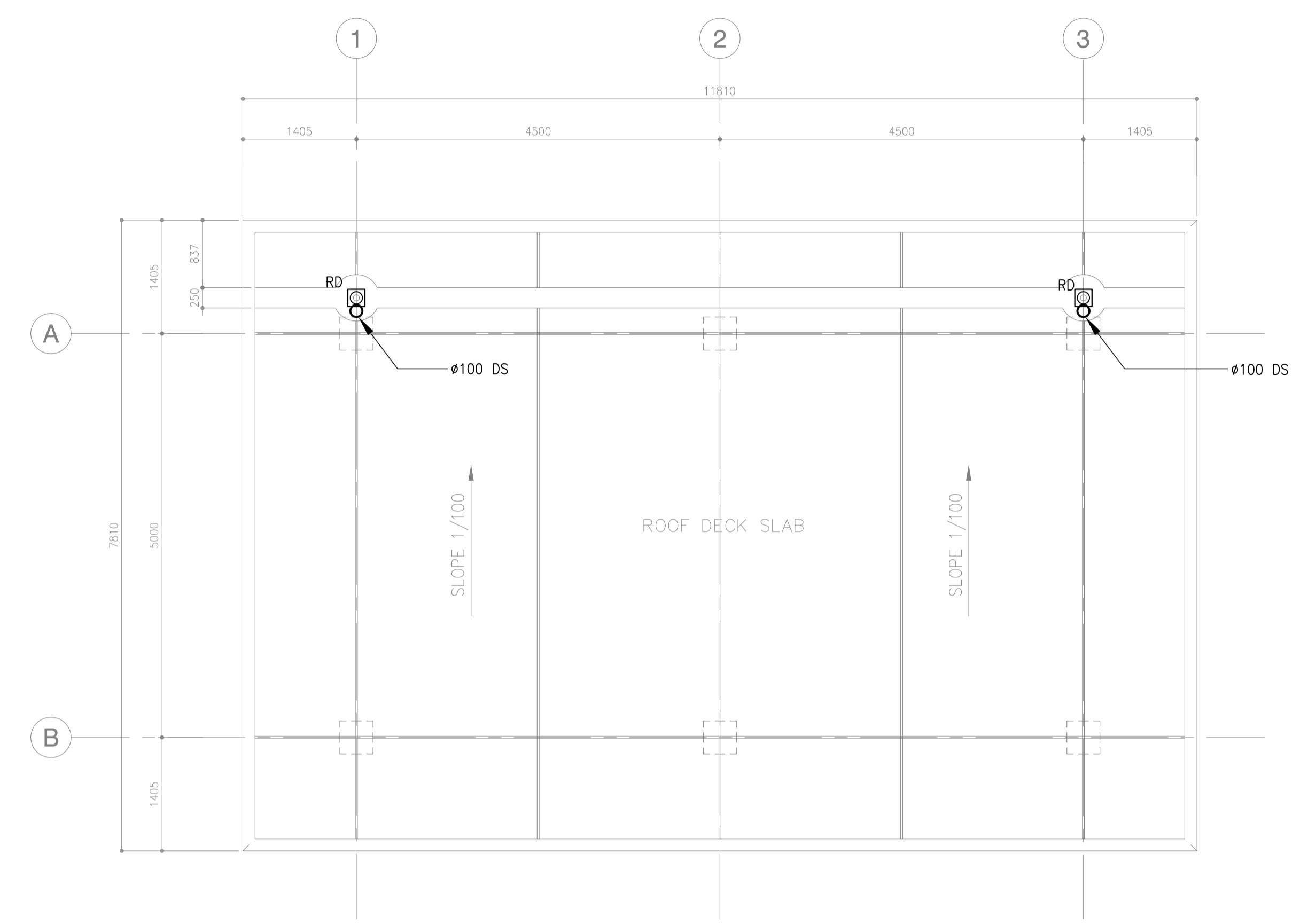
- COLUMN LEGEND:**
- CONTINUOUS COLUMN
 - TERMINATED COLUMN
 - PLANTED COLUMN

- GENERAL FOUNDATION NOTES**
- A. SEE SHEET B0-4200-01 TO B0-4200-02 FOR GENERAL STRUCTURAL NOTES AND TYPICAL WALL CONSTRUCTION NOTES.
 - B. ALL COLUMN FOOTINGS ARE CENTERED ON COLUMN AND COLUMNS ARE CENTERED ON GRIDS UNO.
 - C. DIMENSION ON THIS PLAN ARE CENTER TO CENTER OF COLUMNS
 - D. TFE INDICATED TOP OF FOOTING ELEVATION(DATUM: GROUND FLR LVL = 0.00m)
TYP TFE UNO: -1.2m
 - E. VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES.
 - F. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF RECESSES SLABS, SLOPED AREAS IN SLABS ON GRADE, AND CURBS AT EXTERIOR BUILDING FACE
 - G. F1, F2 ETC ON PLAN DENOTES CONC FOOTING.
 - H. C1, C2 ETC ON PLAN DENOTES COLUMNS.
 - I. REFER TO
 $f_c' = 21 \text{ MPa}$
 $f_y = 414 \text{ MPa}$ FOR 16mm \emptyset & ABOVE
 $f_y = 276 \text{ MPa}$ FOR 12mm \emptyset & BELOW

	<p>PREPARED BY: EDGARDO C. CRUZ</p> <p>PROF. CIVIL ENGINEER PIR. 7589023B REG. NO.: 23983 DATE: JANUARY 03, 2013 TEL. 651-157-021 PLACE: QUEZON CITY</p>	<p>RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC</p>	<p>APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC</p>	<p>PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT</p> <p>LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES</p>	<p>SHEET CONTENTS:</p> <p>COMPONENT-4 : BUILDING WORKS (B) SUB-COMPONENT 4-5 : ANCILLARY BUILDINGS DRIVER LOUNGE STRUCTURAL FOUNDATION PLAN ROOF FRAMING PLAN FRAME ELEVATION ALONG GRID C</p>	<p>SHEET NO: B51-4200-01</p> <p>DRAWING SCALE: AS SHOWN</p>
<p>JICA DESIGN CONSULTANT JOINT VENTURE</p> <p>JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.</p>						
<p>DATE INDEX AMENDMENTS Prepared by Checked by Validated by</p>						



1
DRIVER'S LOUNGE
GROUND FLOOR PLUMBING PLAN
 SCALE 1:50M

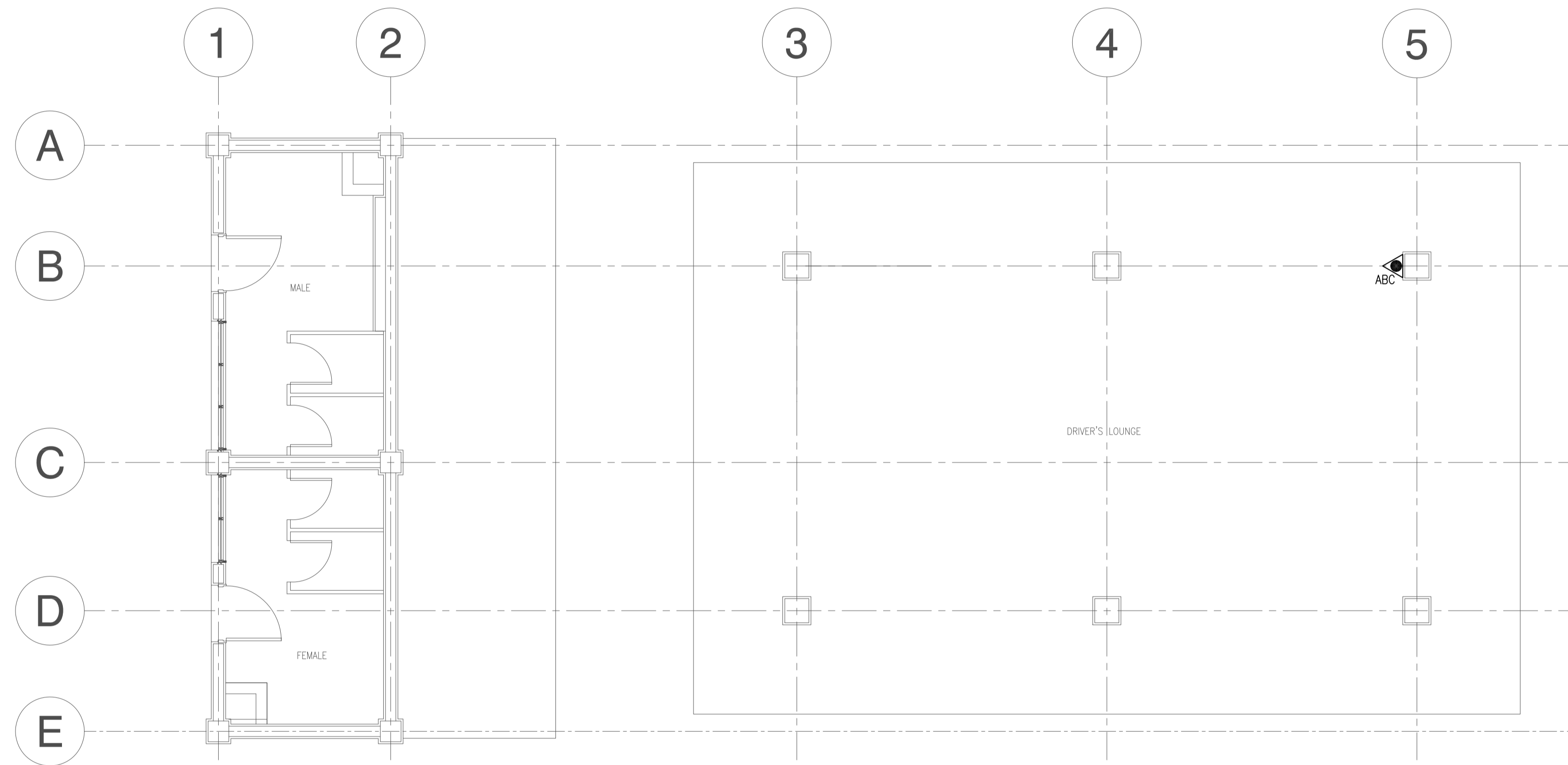


2
DRIVER'S LOUNGE
ROOF DECK STORM DRAINAGE PLAN
 SCALE 1:50M

CATCH BASIN SCHEDULE:

SYMBOL	PIT NAME	PIT DIM.	PIT DEPTH	MANHOLE SPECS.	REMARKS
□	CB-1	500x500	825 (MIN)	R.C. COVER W/ LIFTING HANDLE	

	PREPARED BY: LEOVIMEL J. VINELES <small>Filipino Registered Engineer</small> <small>PROF. SANITARY ENGINEER PTR. 2024236</small> <small>REG. NO. 0002435 DATE: 07-09-2013</small> <small>TIN. 237-652-602-000 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary</small> <small>for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B51) DRIVER'S LOUNGE MECHANICAL SANITARY AND PLUMBING GROUND FLOOR PLUMBING PLAN, ROOF DECK STORM DRAINAGE PLAN & CATCH BASIN SCHEDULE	SHEET NO: B51-5100-01 DRAWING SCALE: 1:100M
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.</small>	JUNE 2013 DATE INDEX AMENDMENTS Prepared by Checked by Validated by				



1
**DRIVER'S LOUNGE
FIRE PROTECTION LAYOUT**
B51-5300-01 SCALE 1:50M

LEGEND:	
	4.5 KG. FIRE EXTINGUISHER DRY CHEMICAL

 Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	 JAPAN INTERNATIONAL COOPERATION AGENCY	PREPARED BY: RENATO A. ARRIOLA <small>Filipino Registered Engineer</small> <small>PROF. MECHANICAL ENGINEER PIR. 1725187</small> <small>REG. NO. 2379 DATE: JANUARY 07, 2013</small> <small>TIN. 150-563-379 PLACE: TAGBILAR CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary</small> <small>for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT <small>LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES</small>	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B51) DRIVER'S LOUNGE MECHANICAL FIRE PROTECTION DRIVER'S LOUNGE FIRE PROTECTION LAYOUT	SHEET NO: B51-5300-01 DRAWING SCALE: 1:50M
JICA DESIGN CONSULTANT JOINT VENTURE 						DATE INDEX AMENDMENTS JUNE 2013 Prepared by: WIM Checked by: HC Validated by:	

PANEL: DRLN		VOLTAGE: 230V 3Ø 3W				SUPPLY: NORMAL ONLY		
TO: 230V LVSGN-PWH								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	12 - 18W PLC @ DRIVER'S LOUNGE	780	3.39			3-3.5mm ² THHN	15mmØ	20AT, 2P CB
2	6 - 18W PLC (WEATHERPROOF) @ DRIVER'S LOUNGE	390		1.70		3-3.5mm ² THHN	15mmØ	20AT, 2P CB
3	9 - 18W PLC @ CARPAR TOILET	590			2.54	3-3.5mm ² THHN	15mmØ	20AT, 2P CB
4	1 - FIDS OUTLET @ DRIVER'S LOUNGE	180	0.78			3-3.5mm ² THHN	15mmØ	20AT, 2P CB
5	4 - WEATHERPROOF CONV. RECEP. @ DRIVER'S LOUNGE	1440		6.26		3-3.5mm ² THHN	15mmØ	20AT, 2P CB
6	2 - 1000VA HANDDRYER @ CARPARK TOILET	2000			8.70	3-3.5mm ² THHN	15mmØ	20AT, 2P CB
7	2 - 65W + 1 - 85W EF @ CARPARK TOILETs	270	1.17			3-3.5mm ² THHN	15mmØ	20AT, 2P CB
8	CB @ TLB-1 & 2 (4 - 40W FLUO. + 2 - CONV. RECEP. + 2 - 100VA ELECTRONIC CAR BARRIER + 2 - 47W FAF)	1360		5.90		[2-5.5mm ² + 1-3.5mm ²] THHN	25mmØ/EHH	20AT, 2P CB
9	CB @ TLB-3 & 4 (4 - 40W FLUO. + 2 - CONV. RECEP. + 2 - 100VA ELECTRONIC CAR BARRIER + 2 - 47W FAF)	1360		5.90		[2-5.5mm ² + 1-3.5mm ²] THHN	25mmØ/EHH	20AT, 2P CB
10	TIMER FOR IRRIGATION - CARPARKING AREA1	500	2.17			3-3.5mm ² THHN	15mmØ	20AT, 2P CB
11	TIMER FOR IRRIGATION - CARPARKING AREA2	500		2.17		3-3.5mm ² THHN	15mmØ	20AT, 2P CB
12	SPARE							20AT, 2P CB
13	SPARE							20AT, 2P CB
14	SPARE							20AT, 2P CB
15	SPARE							20AT, 2P CB
		9370	13.41	13.86	13.41			

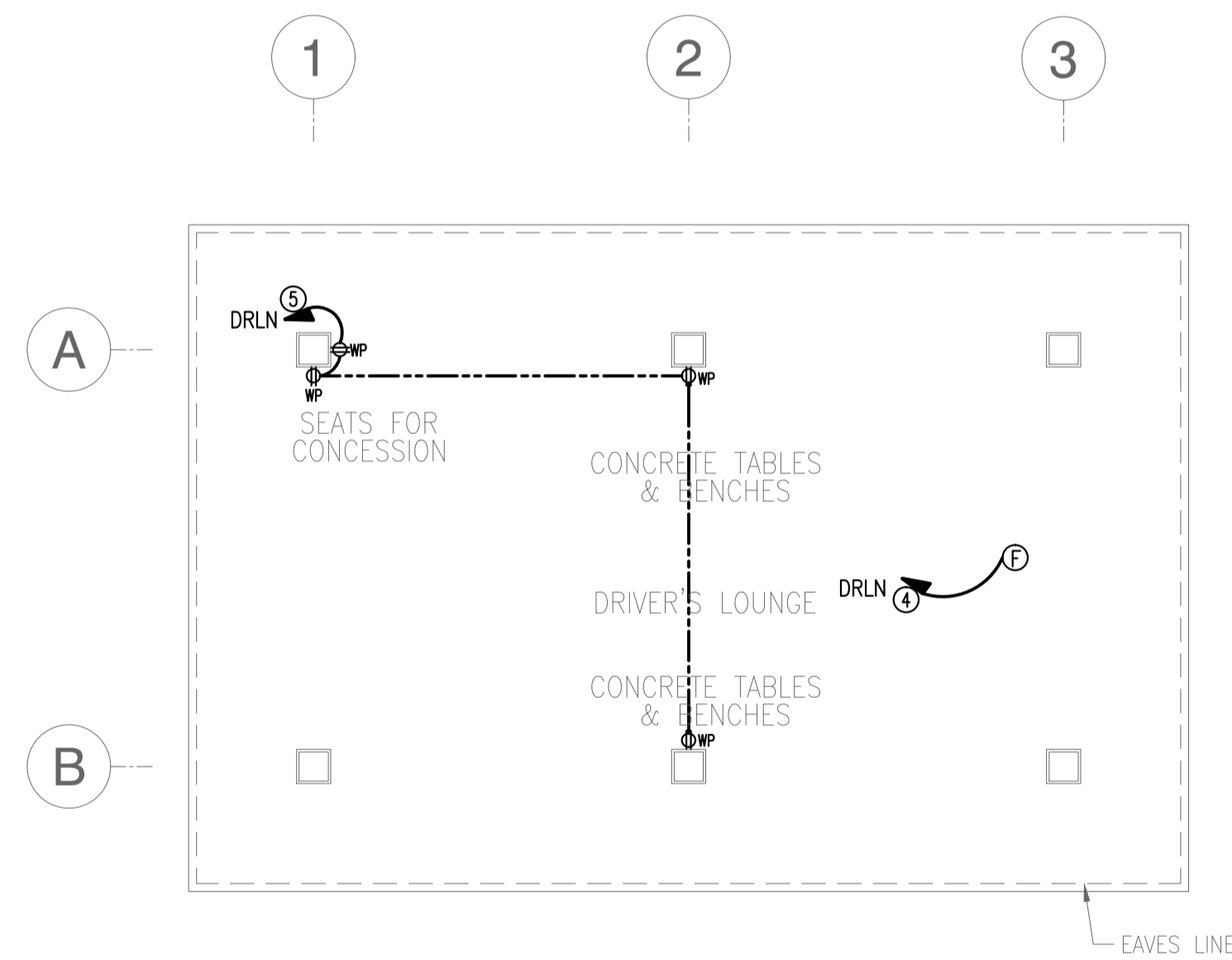
It = 13.86 x 1.732 = 24 A

MAIN PROTECTION: 60AT, 100AF 3P MCCB, 10KAIC

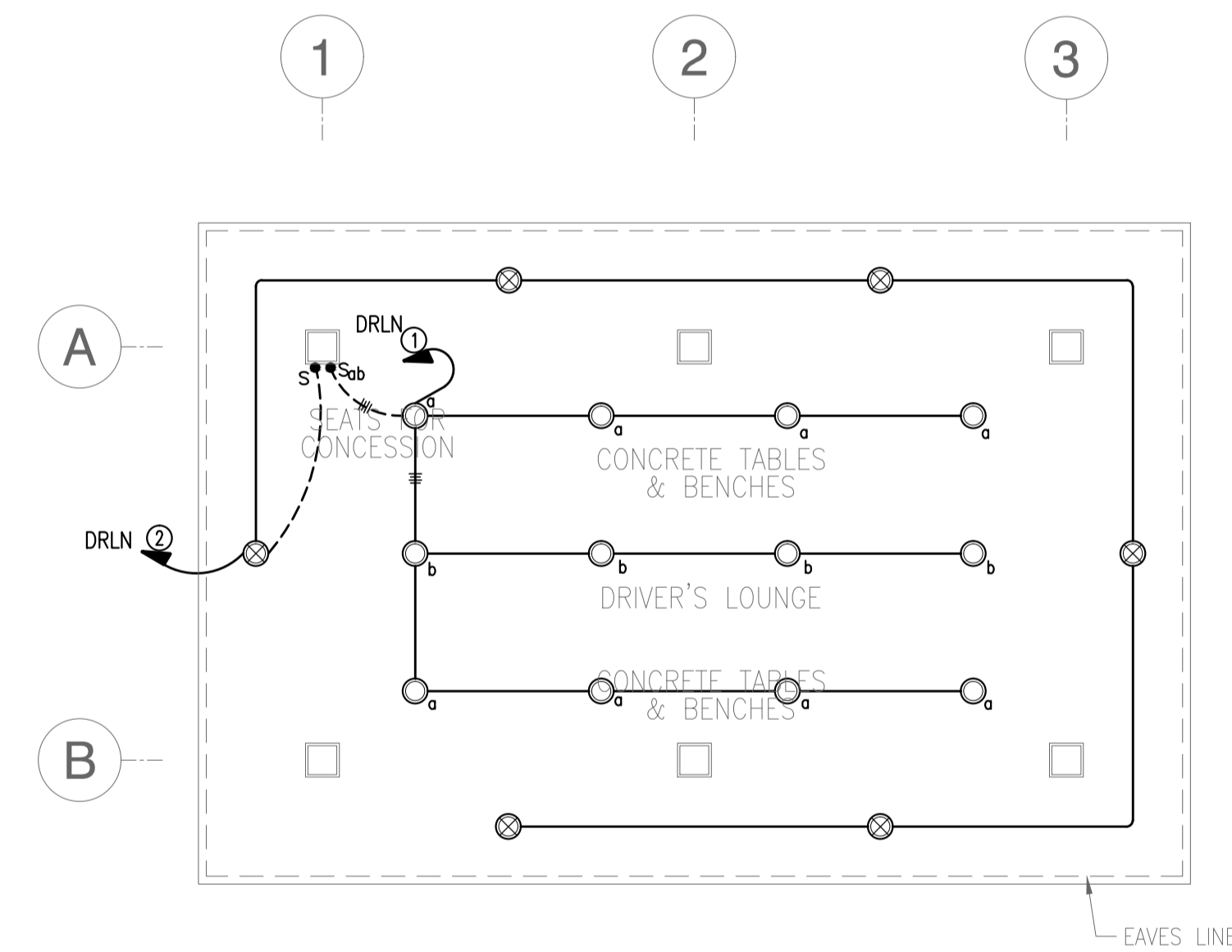
FEEDER SIZE: 3-95mm² XLPE + 1-14mm² TW

DRIVERS' LOUNGE (DRL)
AND CAR PARK TOILET (CPT)
3
PANEL SCHEDULE
B51-6200-01 NOT TO SCALE

NOTE: REFER TO SHEET NO. B52-6200-01 THE LOCATION OF PANEL "DRLN"

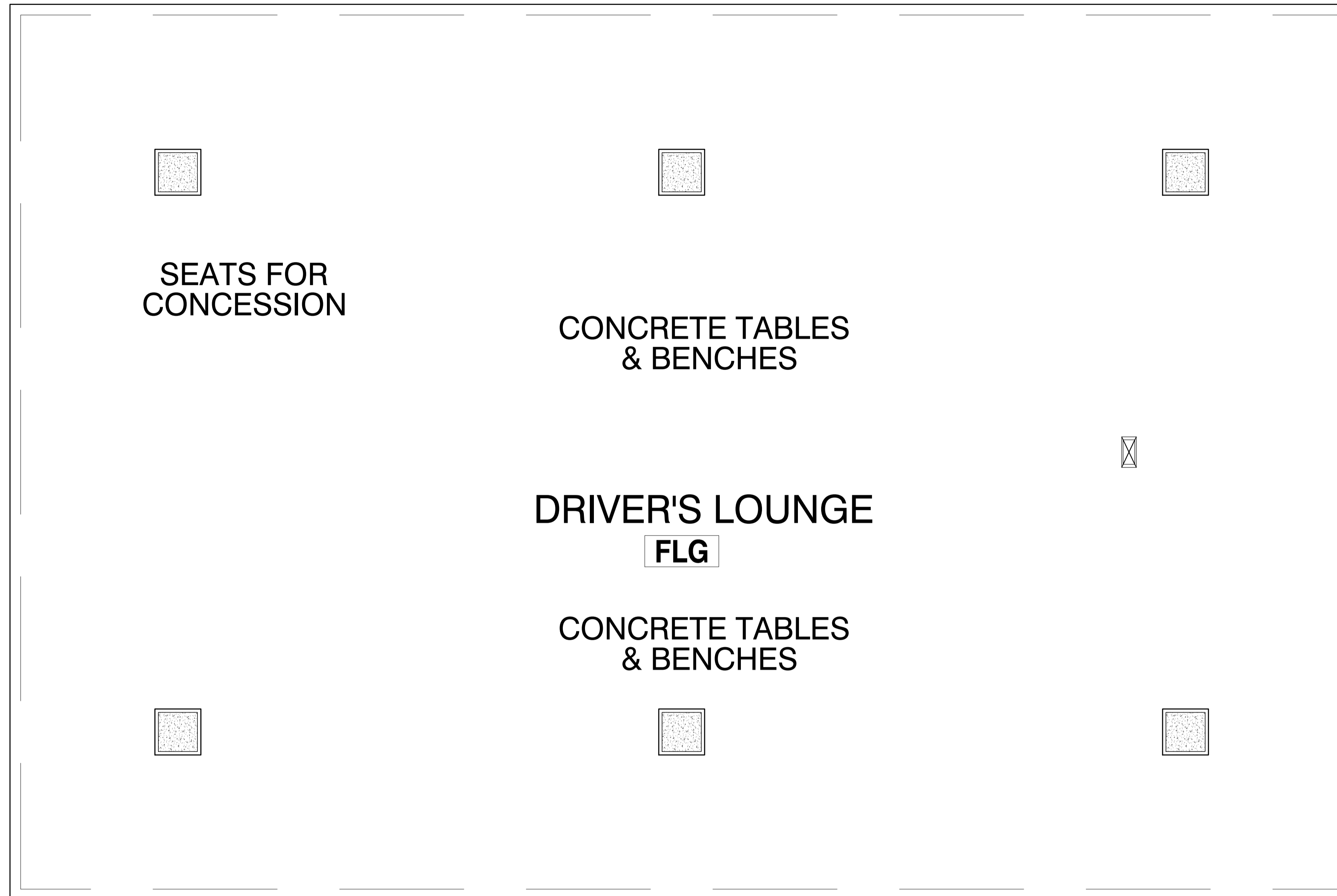


1 DRIVERS' LOUNGE (DRL)
RECEPTACLE LAYOUT PLAN
B51-6200-01 GRAPHIC SCALE 0 1 2 5m



2 DRIVERS' LOUNGE (DRL)
LIGHTING LAYOUT PLAN
B51-6200-01 GRAPHIC SCALE 0 1 2 5m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>TIN. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B51) Drivers Lounge ELECTRICAL RECEPTACLE, LIGHTING PANEL SCHEDULE	SHEET NO: B51-6200-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI <small>Team Leader</small>			DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:



Location of LCD at Driver's lounge S=1:50

Legend

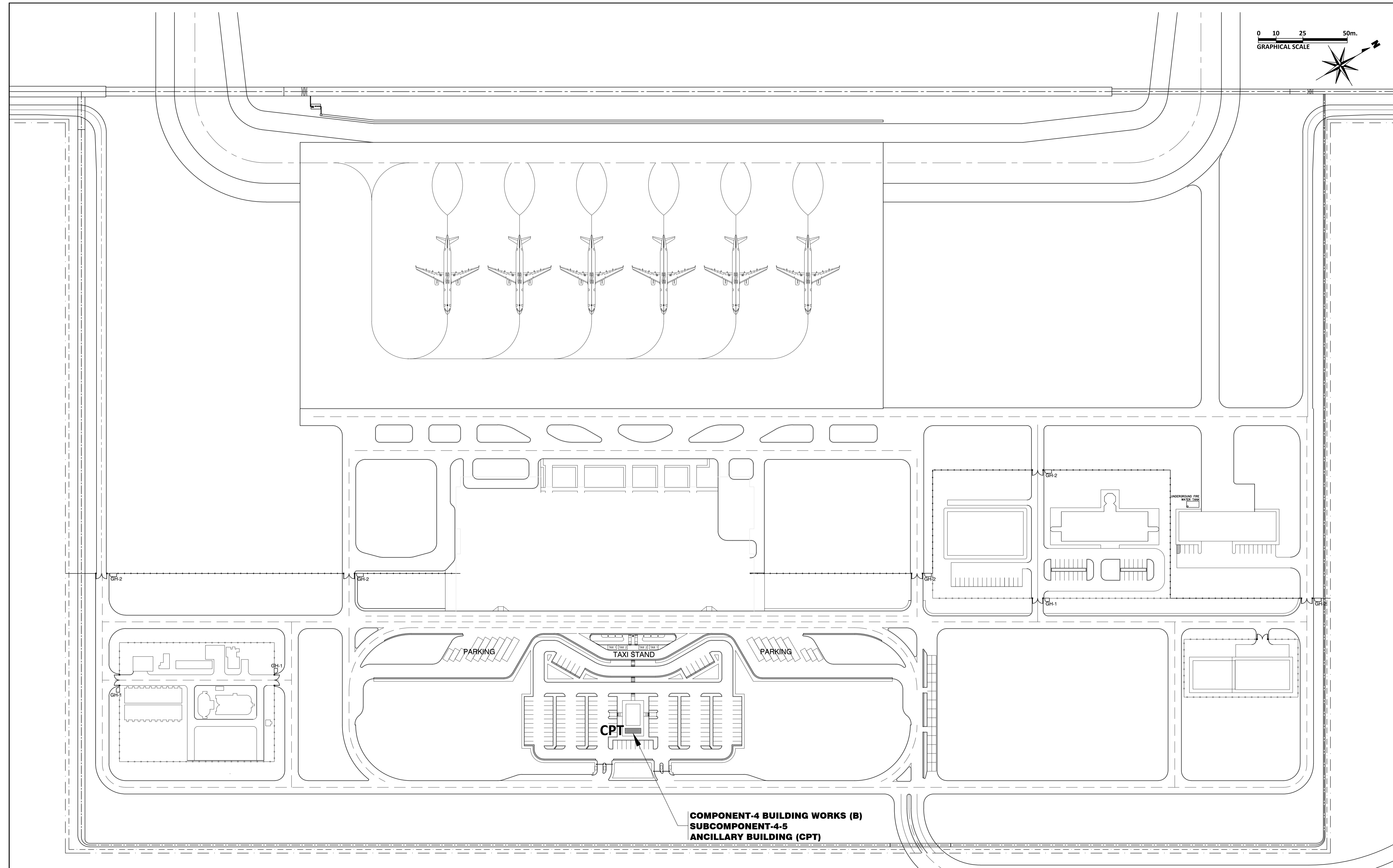
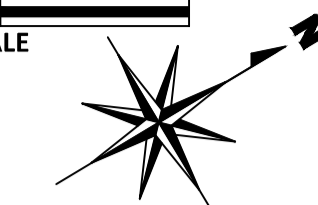
- : LCD monitor
- : LCD monitor with waterproof box

Note

1. Either cable or conduit works by electrical works .
2. Size of LCD shall be conformed with drawing related to the system block diagram.

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.J.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: 	APPROVED: 	PROJECT TITLE: 	SHEET CONTENTS: 	SHEET NO:
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAPAN AIRPORT CONSULTANTS, INC. NIPPO KOGI CO., LTD. NIS CONSULTANTS CO., LTD.</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B51) Drivers Lounge ELECTRICAL LOCATION OF LCD	B51-7500-01 DRAWING SCALE: AS SHOWN

0 10 25 50m.
GRAPHICAL SCALE



**COMPONENT-4 BUILDING WORKS (B)
SUBCOMPONENT-4-5
ANCILLARY BUILDING (CPT)**

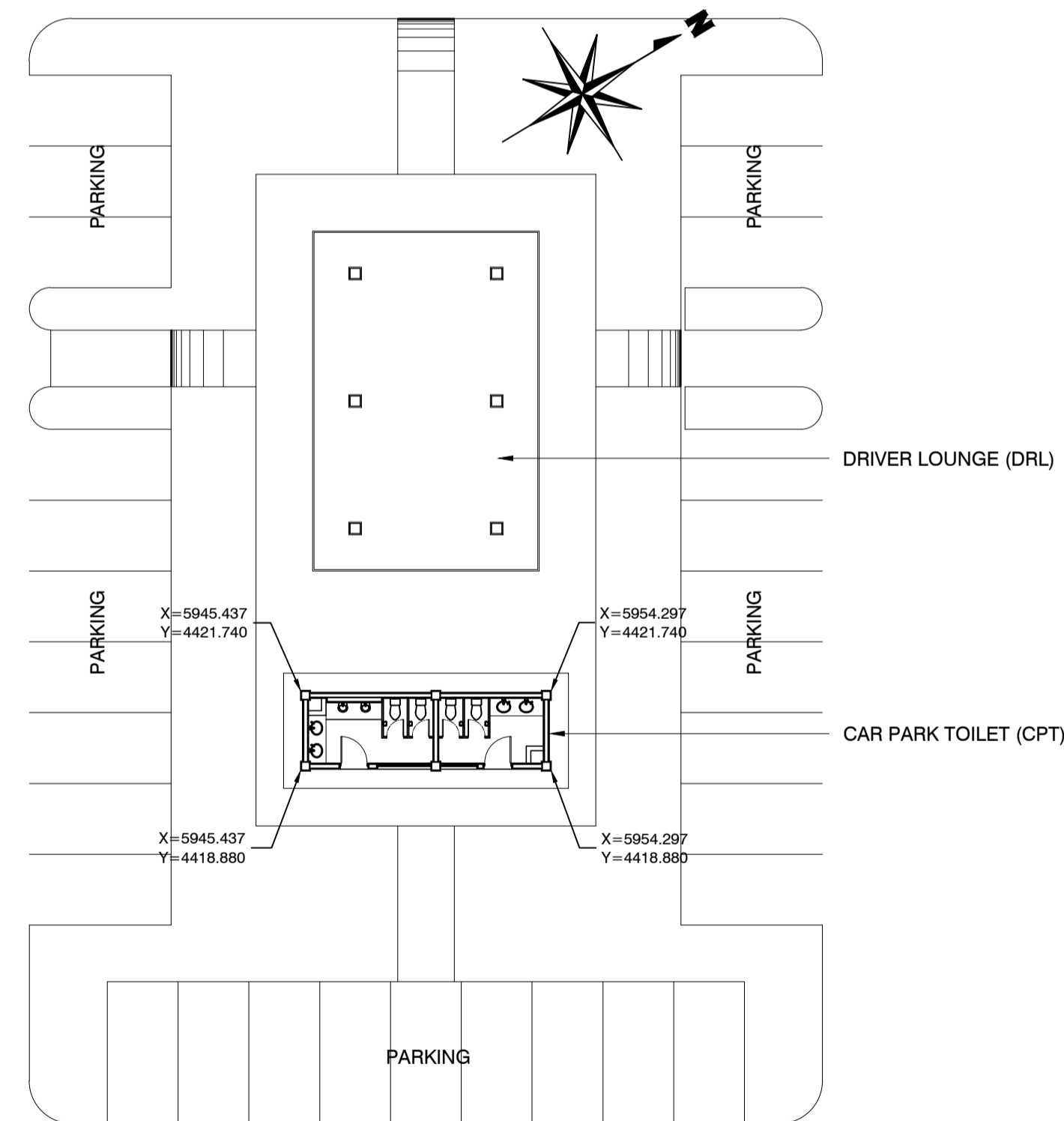
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 E.I.N. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDING (B52) CARPARKS TOILET ARCHITECTURAL LOCATION PLAN	SHEET NO: B52-4300-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DRAWING SCALE: 1:1000 M.

**CAR PARK TOILET (CPT)
OUTLINE OF EXTERNAL FINISHING SCHEDULE**

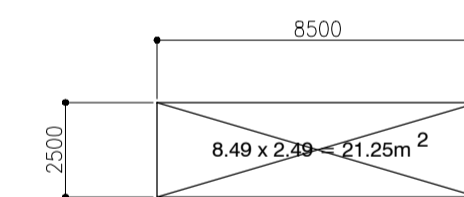
Portion	Appl.	Symbol	Finishing Material	Portion	Appl.	Symbol	Finishing Material
Floor		FLG	t=30 Granite tile with jet burner finish on cement setting bed	Walls		WLA	Aluminum Back-mullion Curtain wall Framing system
	x	FLS	Cement render finishing with metal troweled (t=30)		x	WLR	Cement render finish w/P-4
Roof		FLC	Ceramic tile 300 x 300 slip resistance finishing			WLC	Fair faced concrete w/P-4
		ROD	Single folded steel plate roof with insulation (Folded steel plate : t=0.6, h=41 Fluorin-resin coated aluminized steel, t=100 Glass wool wrapped in polyethylene film)			WLD	Aluminum Cladding: Anodizing with electro deposition Aluminum composite panel w/ polyethylene insulation t=40mm
		ROS	Single folded steel plate (t=0.8, h=80) fluorine-resin coated aluminized steel w/ prefabricated fiber glass sheet t=5mm	Windows	x	AW	Anodizing with electro deposition aluminum window
	x	ROC	Protective concrete layer on insulation board and pre-formed waterproofing membrane WP-1	Doors	x	SD	Steel door w/P-3
		ROPS	Vinyl Chloride resin sheet membrane on insulation board t=30	Column	x	CNR	Cement render finish w/P-4
	ROPR	Hot applied rubberized asphalt waterproofing system WP-2			CNC	Fair faced concrete w/P-4	
Roof Gutter		ROPR			CNF	Fair faced concrete	
	ROPR	Hot applied rubberized asphalt waterproofing system WP-2			CNB	t=8 Calcium silicate board w/P-4	
		ROPR	Hot applied rubberized asphalt waterproofing system WP-2		CNS	Steel structure w/P-8	
Roof Gutter		ROPR	Hot applied rubberized asphalt waterproofing system WP-2	Beam		BMR	Cement render finish w/P-4
		ROPR	Hot applied rubberized asphalt waterproofing system WP-2			BMC	Fair faced concrete w/P-4
		ROPR	Hot applied rubberized asphalt waterproofing system WP-2			BMF	Fair faced concrete
Fascia		EVA	t=2.5 Aluminum panel w/P-8	Base	x	BBS	Cement render finish w/P-4 h=300
Parapet		PAF	Fair faced concrete w/P-4			BSF	Fair faced concrete h=300
	x	PAR	Cement render finish w/P-4			SKG	t=25 Granite tile H=100
DownSpout		DSA	d=100 Galvanized SGP w/P-3	Roller Doors		RDST	Roller steel door w/P-3
		DSB	d=150 Galvanized SGP w/P-3			RDG	Roller steel grill w/P-3
Soffit	x	DSC	d=100 uPVC Pipe w/P-7	Expansion Joint		EXJ	Pre-fabricated stainless steel expansion joint covers
		SFA	t=8 Calcium silicate board w/P-7				
Parapet Coping		SFB	t=8 Calcium silicate board w/P-1				
	x	SFC	Formed Face Concrete w/ P-4				
Sky Light		PCA	Anodizing with electro deposition Aluminum Coping				
	x	PCR	Cement render finish w/P-4				
Ladder		LDS	Stainless steel pipe				

- Legend for Paint Type**
- P-1 Synthetic Resin Emulsion Paint
 - P-2 Synthetic Resin Mixed Paint type I (for wood)
 - P-3 Synthetic Resin Mixed Paint type II (for steel)
 - P-4 Synthetic Resin Emulsion Multi-Layer Coating
 - P-5 Clear Lacquer
 - P-6 Epoxy Resin Floor Paint
 - P-7 Acrylic Resin Enamel Paint
 - P-8 Fluorine-resin Enamel coating

wp-3: Water Proofing : Urethane Waterproofing Coating



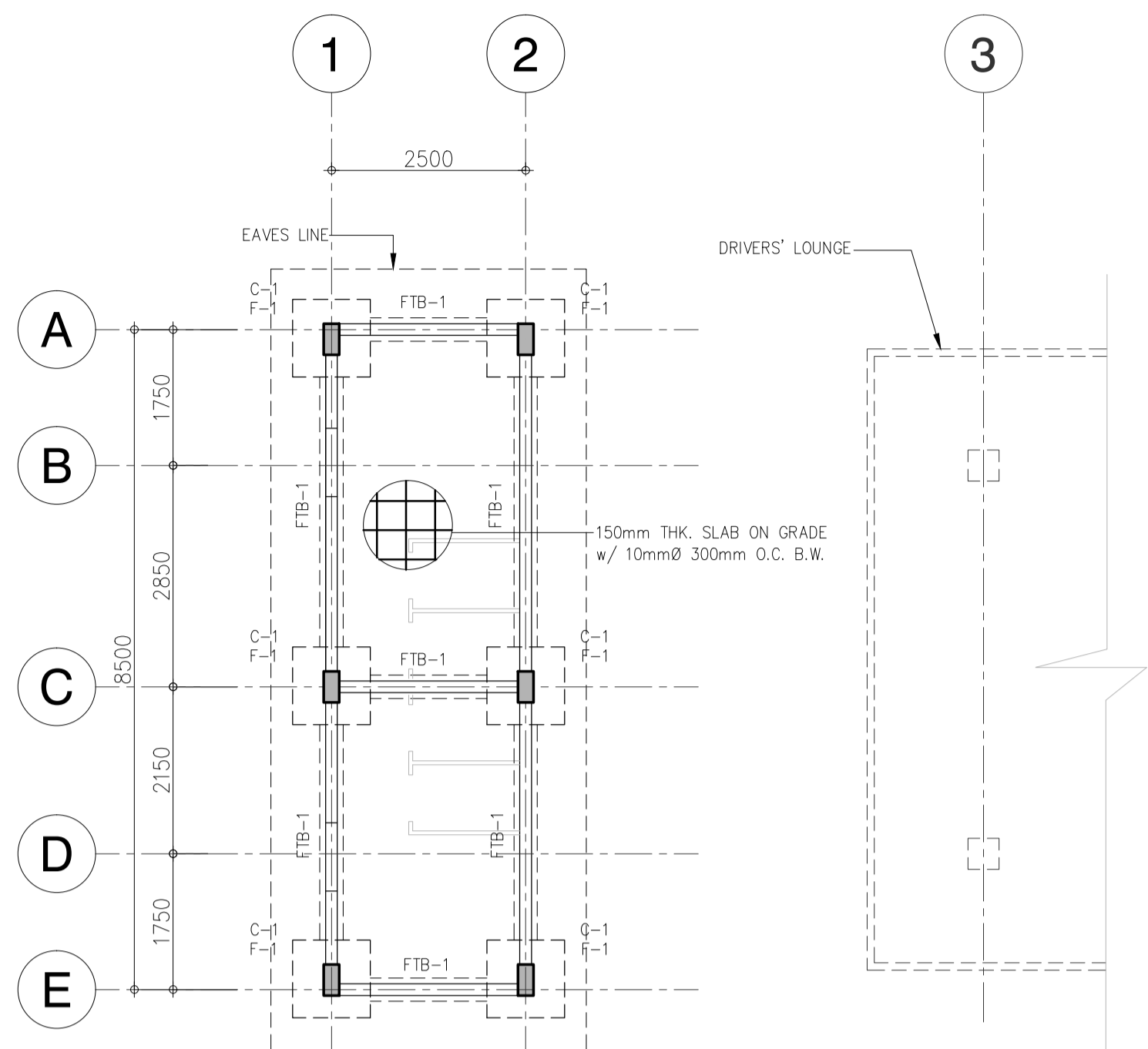
1 LAYOUT PLAN
SCALE 1:200m.



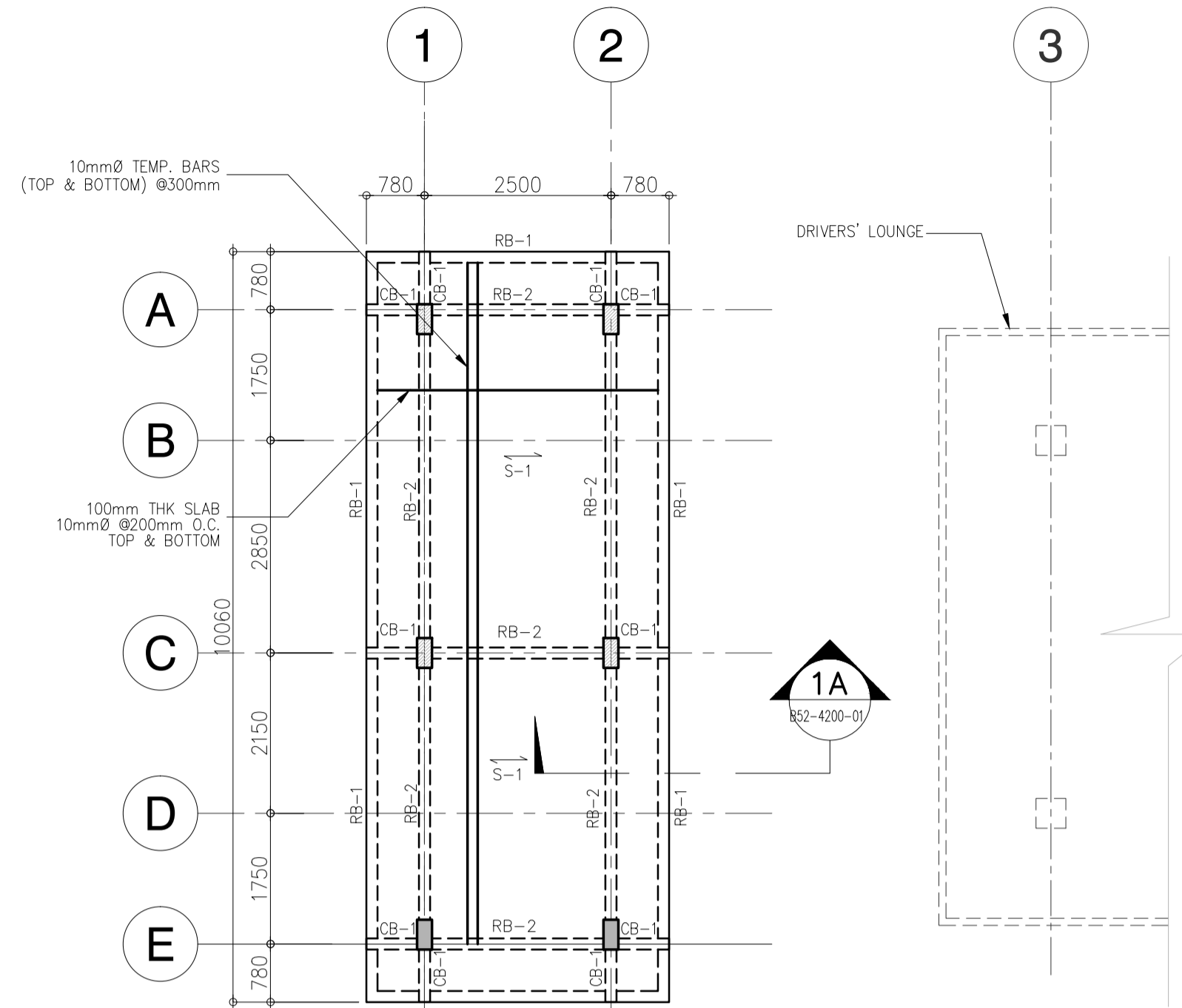
FL	Floor Area No.	Floor Area
GFL	1	21.25 m ²
	TOTAL	21.25 m ²

2 CARPARK TOILET (CPT)
SCALE NTS.

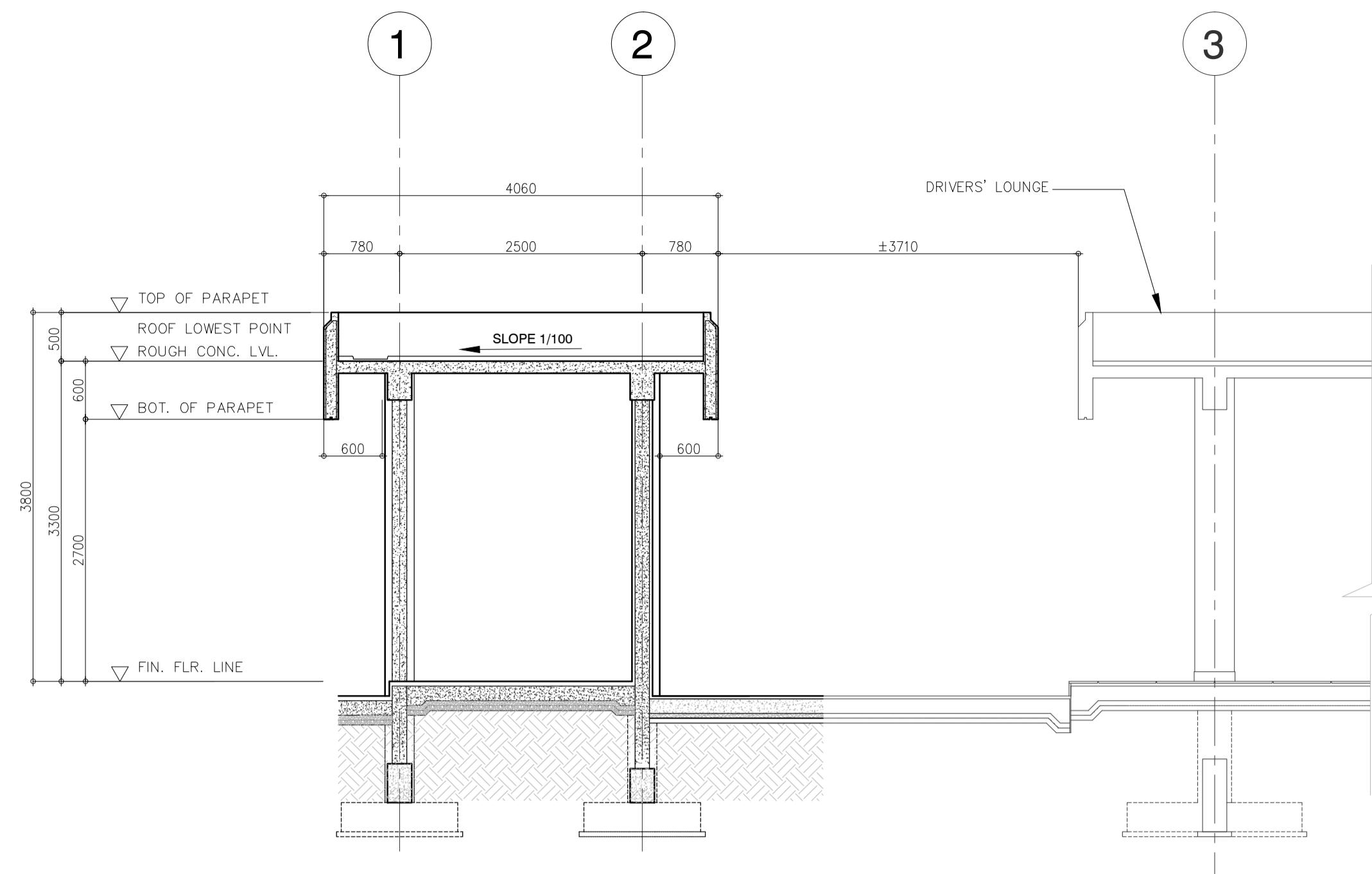
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 TEL: 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B52) CARPARKS TOILETS ARCHITECTURAL LAYOUT PLAN CARPARK TOILET FLOOR AREA SCHEDULE EXTERNAL FIN. SCHEDULE	SHEET NO: B52-4300-02
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:	DRAWING SCALE: AS SHOWN		



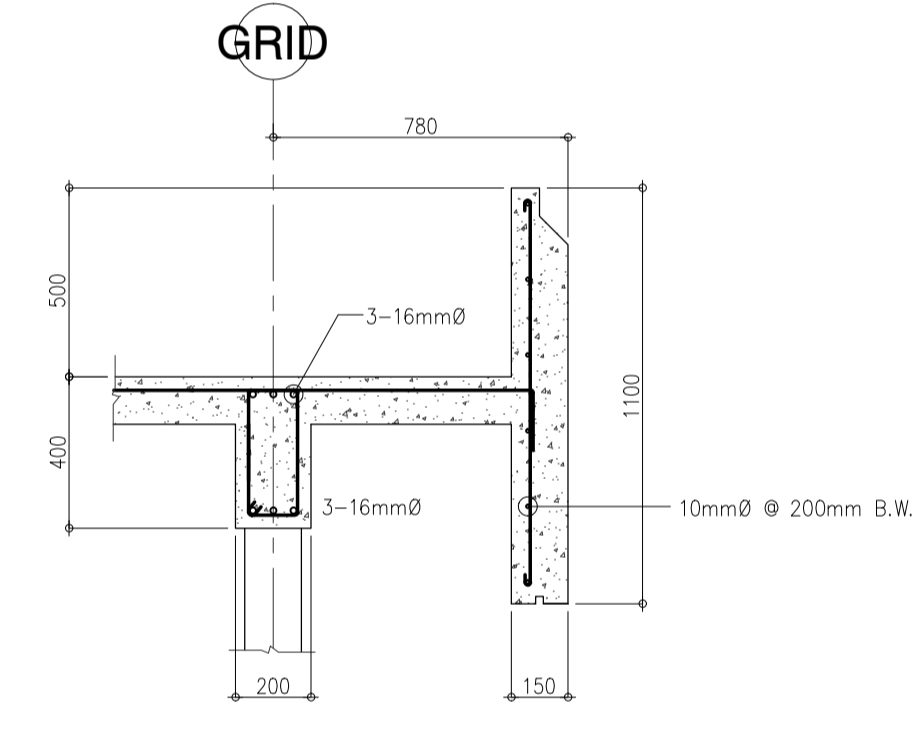
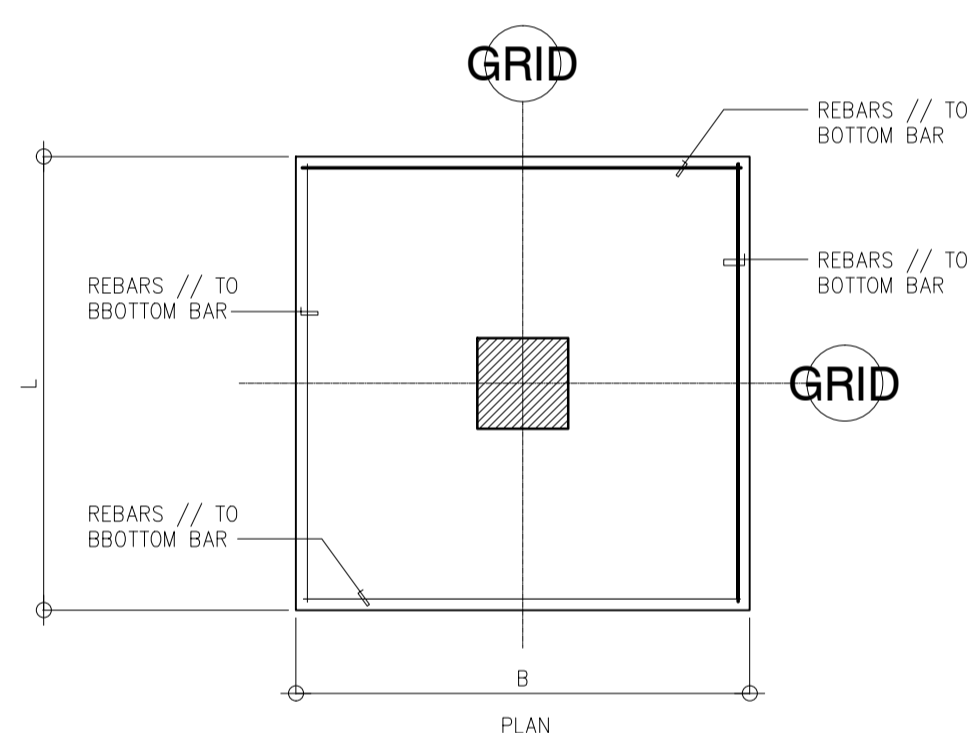
1 FOUNDATION PLAN
SCALE: 1 : 75 M.
B52-4200-01



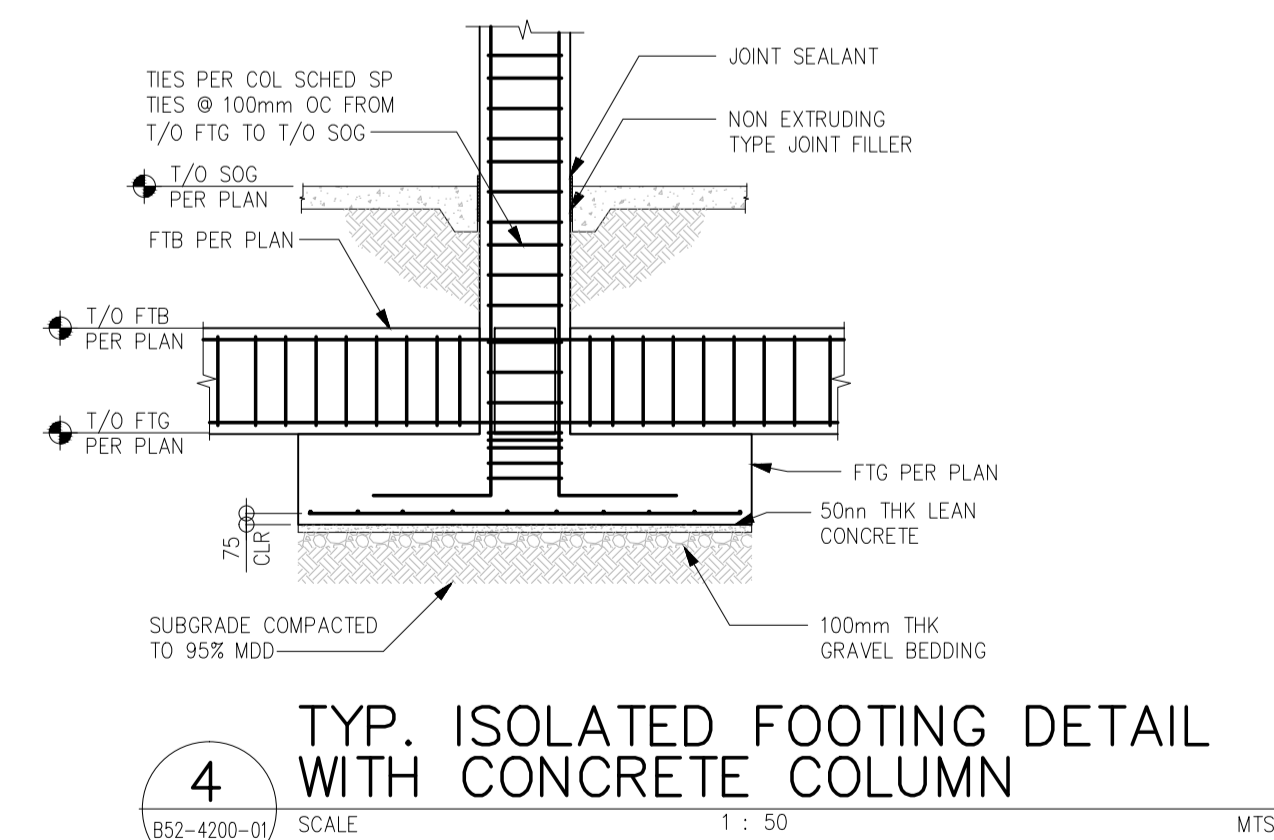
2 ROOF FRAMING PLAN
SCALE: 1 : 75 M.
B52-4200-01



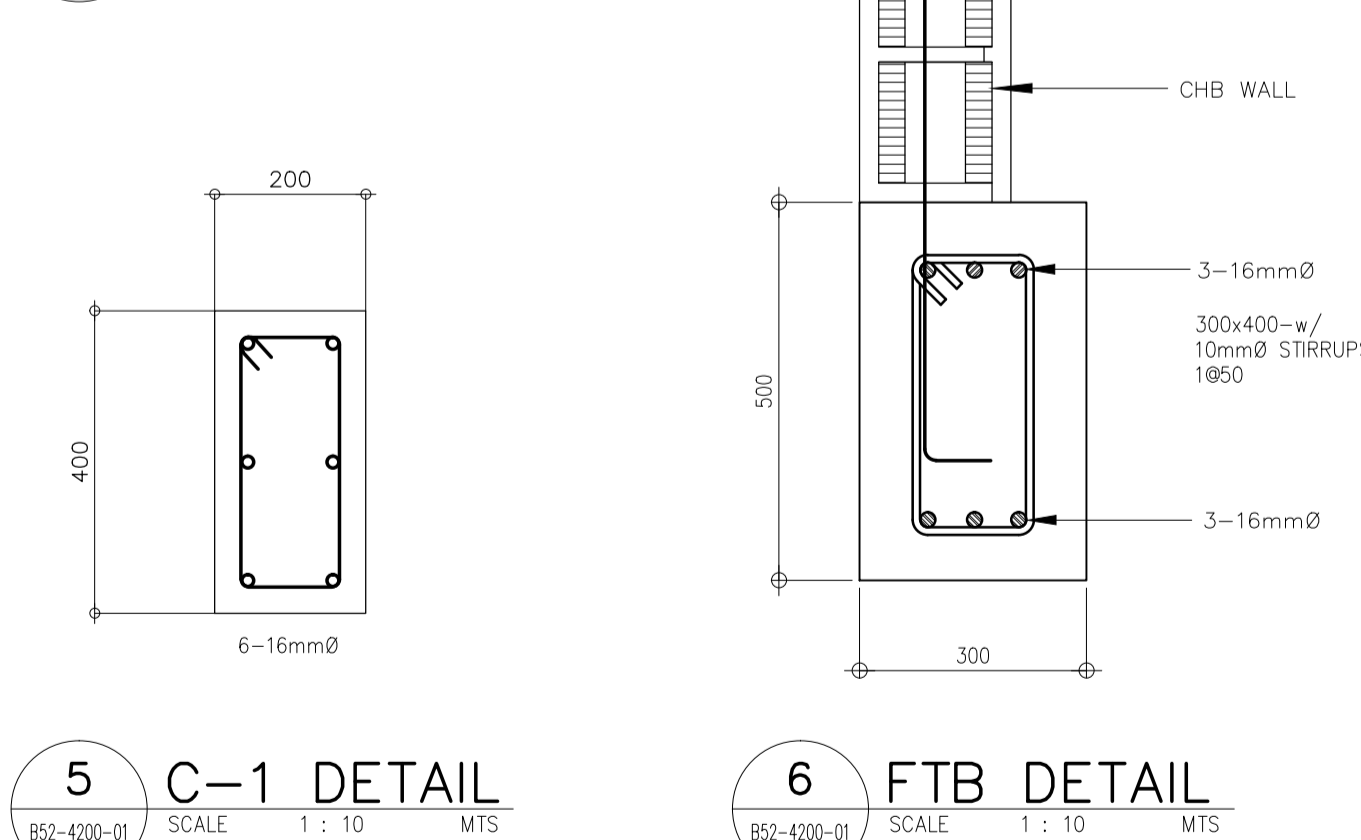
3 FRAME ELEVATION ALONG GRID C
SCALE: 1 : 75 MTS
B52-4200-01



1A SECTION DETAIL
SCALE: 1 : 20 MTS
B52-4200-01



4 TYP. ISOLATED FOOTING DETAIL WITH CONCRETE COLUMN
SCALE: 1 : 50 MTS
B52-4200-01



5 C-1 DETAIL
SCALE: 1 : 10 MTS
B52-4200-01

6 FTB DETAIL
SCALE: 1 : 10 MTS
B52-4200-01

MARK	DIMENSIONS		REINFORCMENTS						REMARKS
			LEFT SUPPORT		MIDSPAN		RIGHT SUPPORT		
			TOP	MID	TOP	BOT	TOP	BOT	
RB-1	150	1100	2-16mm ϕ	2-16mm ϕ	2-16mm ϕ	2-16mm ϕ	2-16mm ϕ	2-16mm ϕ	
RB-2	200	400	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	
CB-1	200	400	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	3-16mm ϕ	

MARK	DIMENSIONS			REINFORCMENTS				REMARKS
	LENGTH (L)	WIDTH (B)	THICKNESS (t)	TOP		BOTTOM		
				BARS //	BARS //	BARS //	BARS //	
F1	1100	1100	400	-	-	6-12mm ϕ	6-12mm ϕ	

COLUMN LEGEND:

- CONTINUOUS COLUMN
- TERMINATED COLUMN
- PLANTED COLUMN

GENERAL FOUNDATION NOTES

A. SEE SHEET BO-4300-01 TO BO-4300-02 FOR GENERAL STRUCTURAL NOTES AND TYPICAL WALL CONSTRUCTION NOTES.

B. ALL COLUMN FOOTINGS ARE CENTERED ON COLUMN AND COLUMNS ARE CENTERED ON GRIDS UNO.

C. DIMENSION ON THIS PLAN ARE CENTER TO CENTER OF COLUMNS

D. TFE INDICATED TOP OF FOOTING ELEVATION(DATUM: GROUND FLR LVL = 0.00m)
TYP TFE UNO: -1.1m
TYP T/O FTB ELEV: -0.60m

E. VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES.

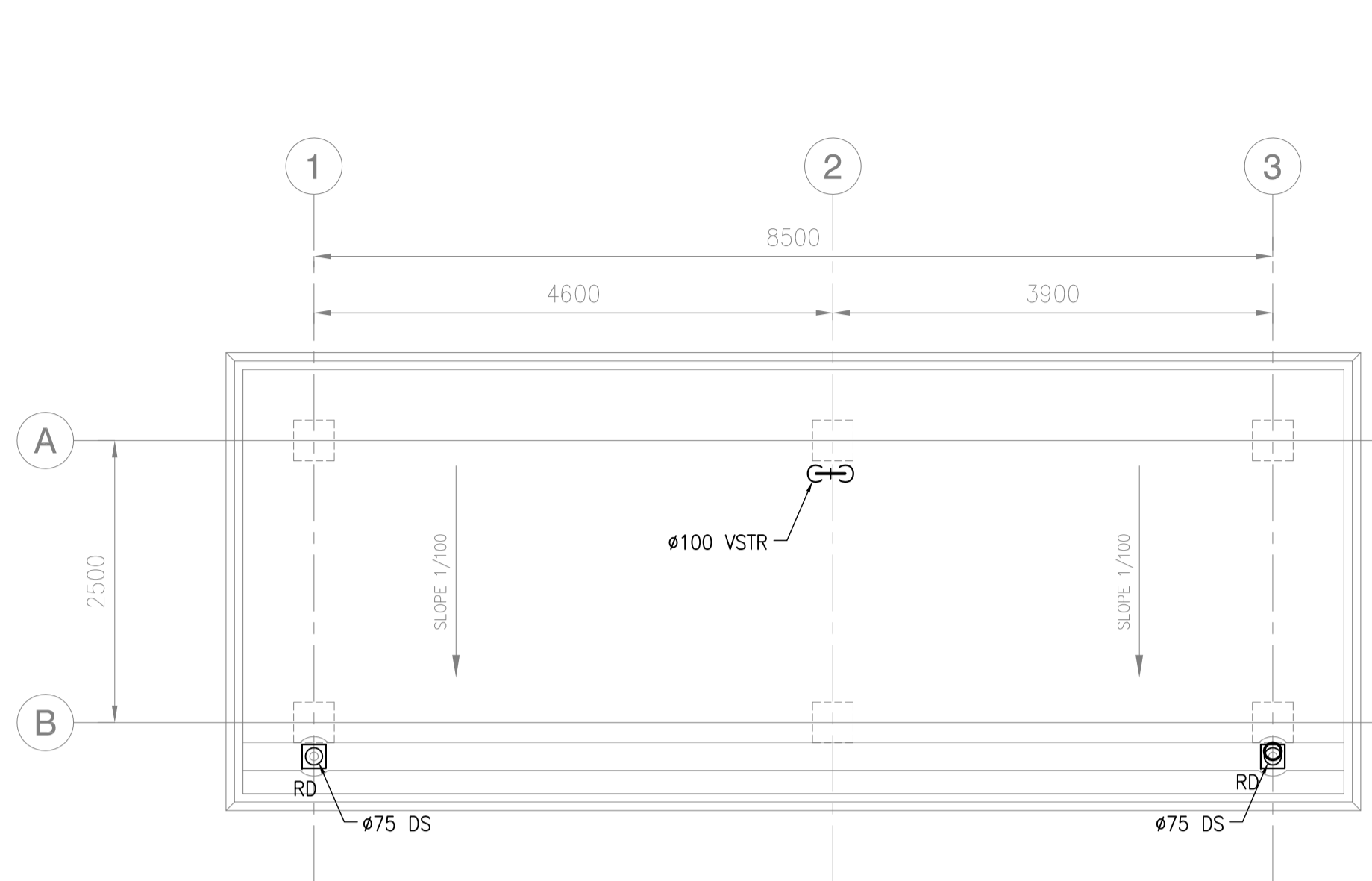
F. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF RECESSES SLABS, SLOPED AREAS IN SLABS ON GRADE, AND CURBS AT EXTERIOR BUILDING FACE

G. F1, F2 ETC ON PLAN DENOTES CONC FOOTING.

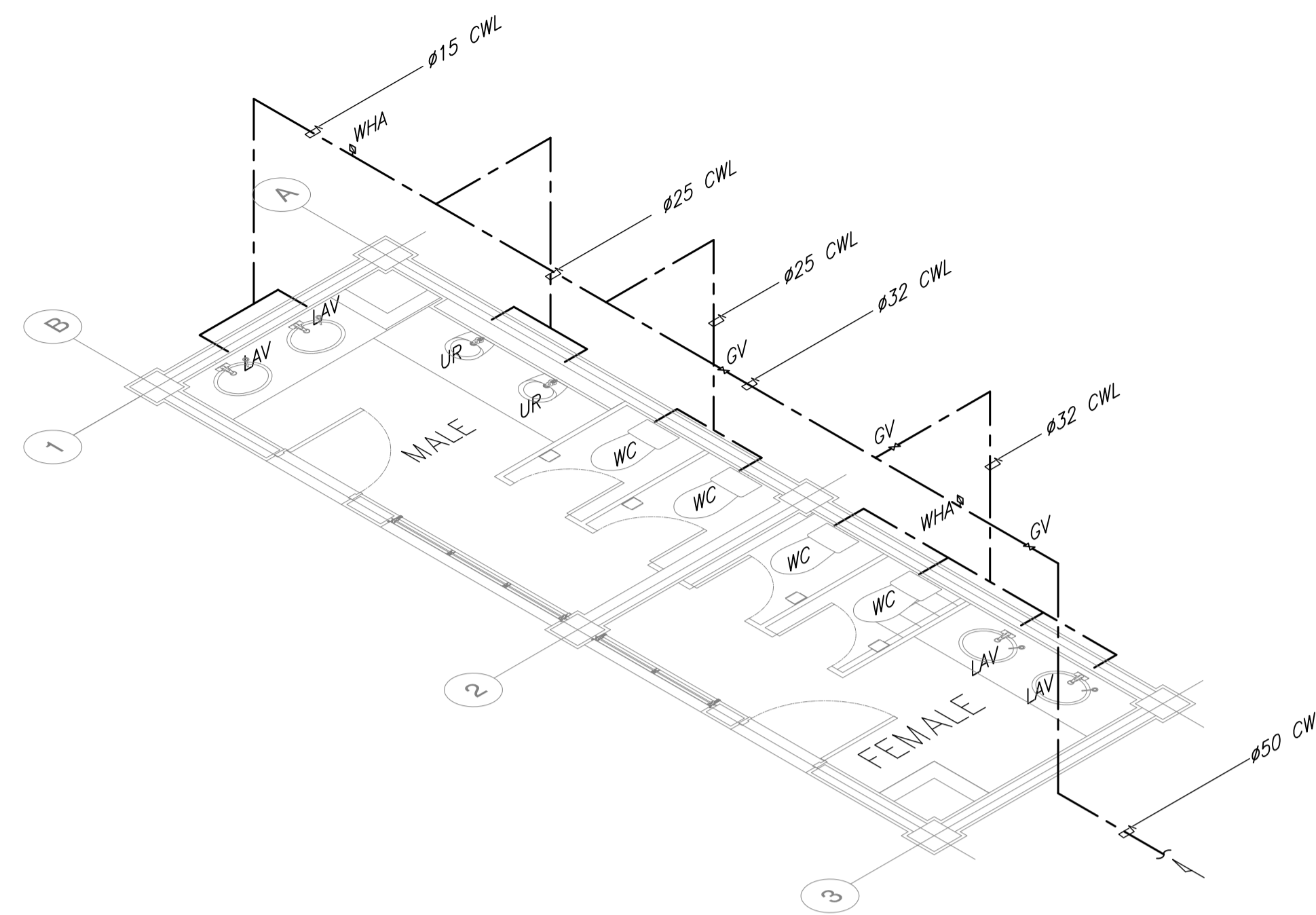
H. C1, C2 ETC ON PLAN DENOTES COLUMNS.

I. $f_c' = 21 \text{ MPa}$,
 $f_y = 414 \text{ MPa}$ FOR 16mm ϕ & ABOVE
 $f_y = 276 \text{ MPa}$ FOR 12mm ϕ & BELOW

	<p>Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS</p> <p>JICA JAPAN INTERNATIONAL COOPERATION AGENCY</p> <p>JICA DESIGN CONSULTANT JOINT VENTURE</p> <p>JAPAN AIRPORT CONSULTANTS, INC.</p> <p>NIPPON KOEI CO., LTD.</p> <p>NIS CONSULTANTS CO., LTD.</p>	<p>PREPARED BY: EDGARDO C. CRUZ</p> <p>PROF. CIVIL ENGINEER PTR. 7589023B REG. NO.: 23983 DATE: JANUARY 03, 2013 TAN. 651-157-021 PLACE: QUEZON CITY</p>	<p>RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC</p>	<p>APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC</p>	<p>PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT</p> <p>LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES</p>	<p>SHEET CONTENTS: COMPONENT-4 : BUILDING WORKS (B) SUB-COMPONENT 4-5 : ANCILLARY BUILDINGS</p> <p>STRUCTURAL FOUNDATION PLAN ROOF FRAMING PLAN FRAME ELEVATION ALONG GRID C</p>	<p>SHEET NO: B52-4200-01</p> <p>DRAWING SCALE: AS SHOWN</p>
<p>DATE: JUNE 2013</p> <p>INDEX</p> <p>AMENDMENTS</p> <p>Prepared by: FRS Jr. WIM IC Checked by: Validated by:</p>							



2 CAR PARK TOILET ROOF DRAINAGE LAYOUT
 B52-5100-01 SCALE 1:50M



4 ISOMETRIC WATER LINE LAYOUT
 B52-5100-01 SCALE 1:50M

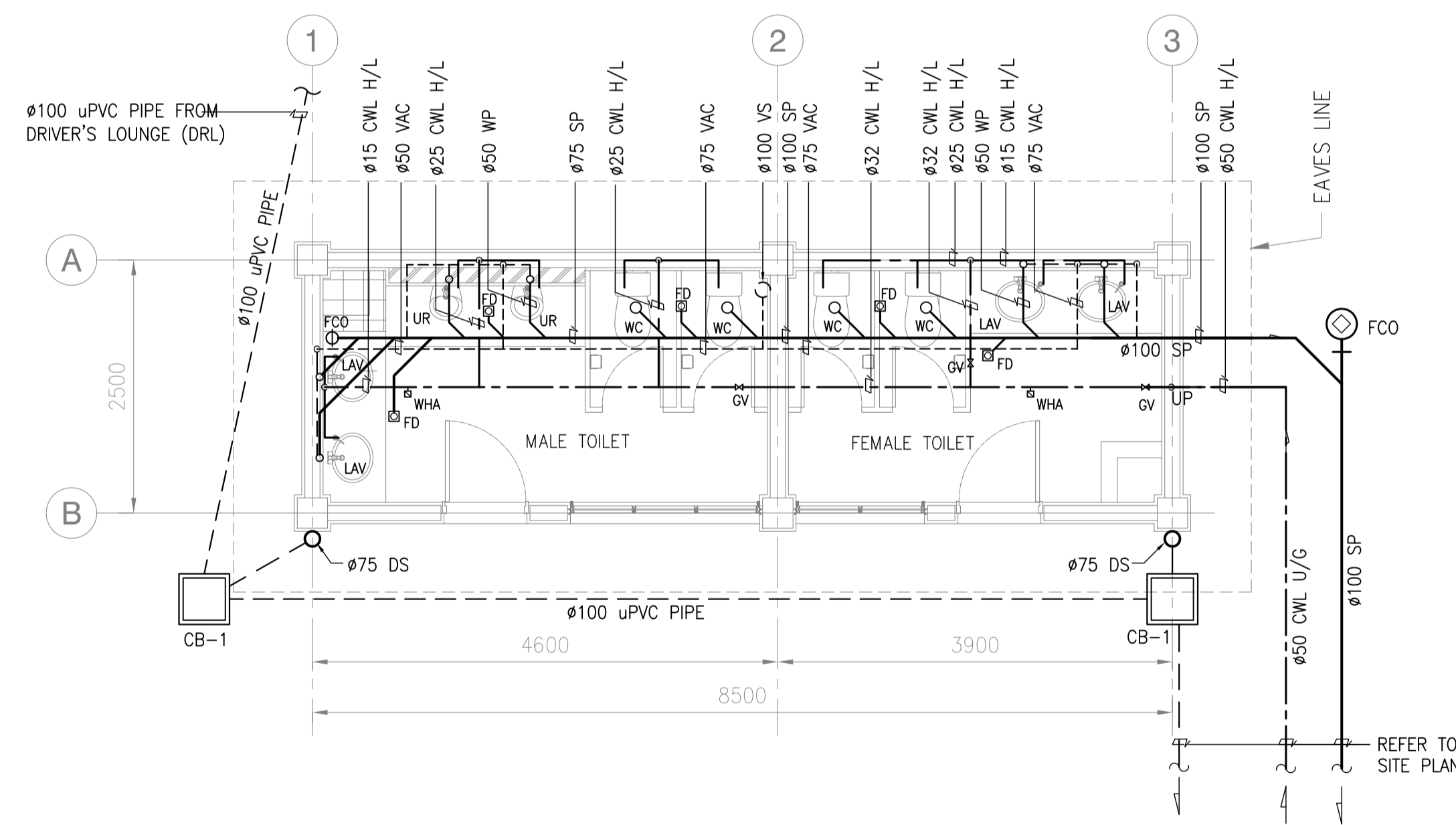
SANITARY FIXTURE SCHEDULE

SYMBOL	SANITARY FIXTURE NAME	REFERENCED MODEL NO.	Q'TY	REMARKS
WC-3	WATER CLOSET	-	4	
UR-3	URINAL	-	2	
LAV-3	LAVATORY	-	4	
TPH	TOILET PAPER HOLDER	-	4	

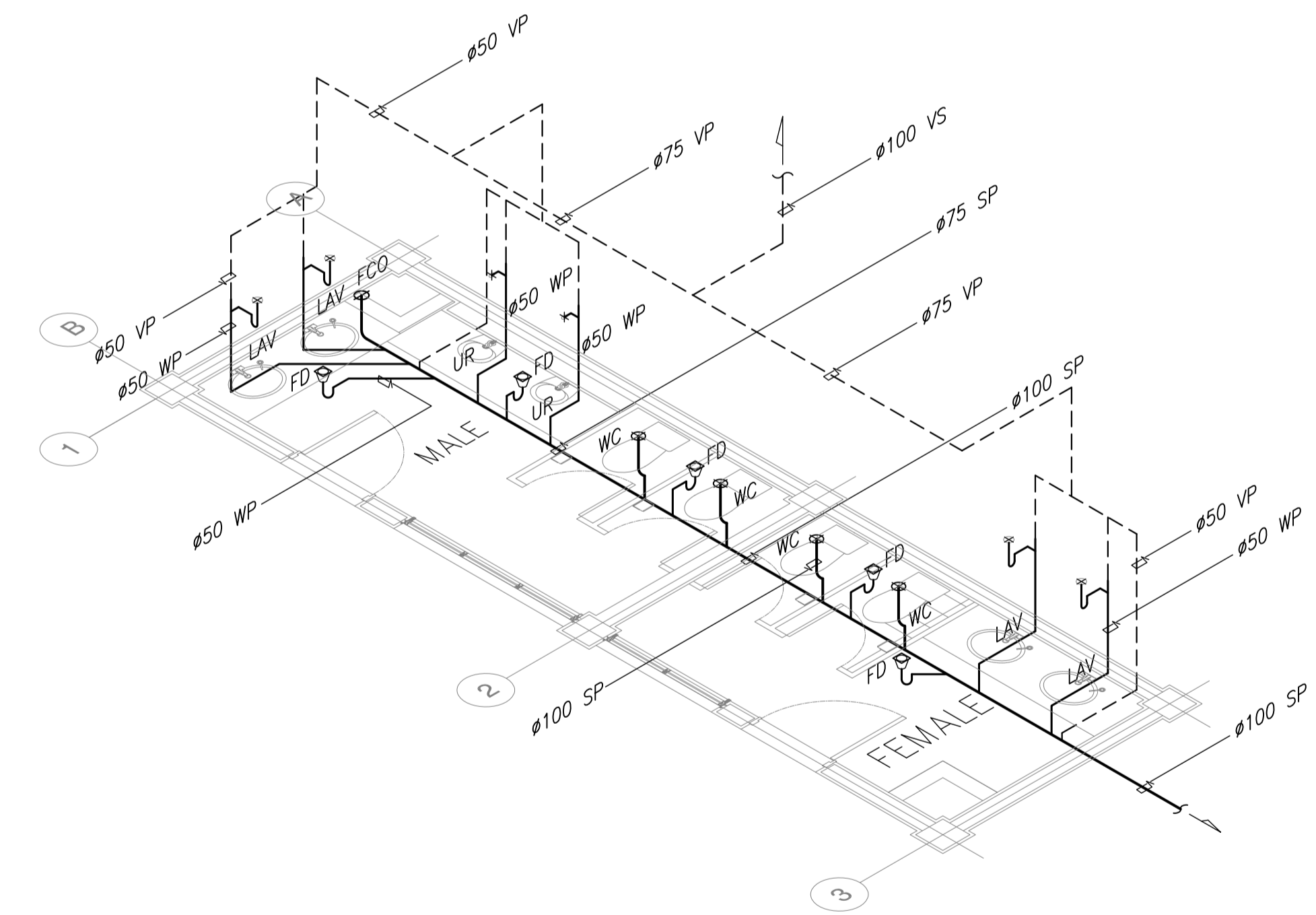
NOTE : SANITARY FIXTURE SHALL HAVE MANUFACTURER'S STANDARD ACCESSORIES.

CATCH BASIN SCHEDULE

SYMBOL	PIT NAME	PIT DIM.	PIT DEPTH	MANHOLE SPECS.	REMARKS
□	CB-1	500x500	825 (MIN)	R.C. COVER W/ LIFTING HANDLE	



1 CAR PARK TOILET SANITARY & PLUMBING LAYOUT
 B52-5100-01 SCALE 1:50M



3 ISOMETRIC DRAINAGE LAYOUT
 B52-5100-01 SCALE 1:50M

	PREPARED BY: LEOVIMEL J. VINELES <small>Filipino Registered Engineer</small> PROF: SANITARY ENGINEER PTR: 2024236 REG. NO: 0002435 DATE: 07-09-2013 TEL: 091-852-602-000 PLACE: MANILA	RECOMMENDING APPROVAL: JILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B52) CAR PARKS TOILET	SHEET NO: B52-5100-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI <small>Team Leader</small>	JILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	MECHANICAL SANITARY AND PLUMBING ROOF DRAINAGE LAYOUT, SANITARY & PLUM. LAYOUT, CATCH BASIN SCHED. WATER & DRAINAGE ISO LAYOUT, SANITARY FIXTURE SCHED.

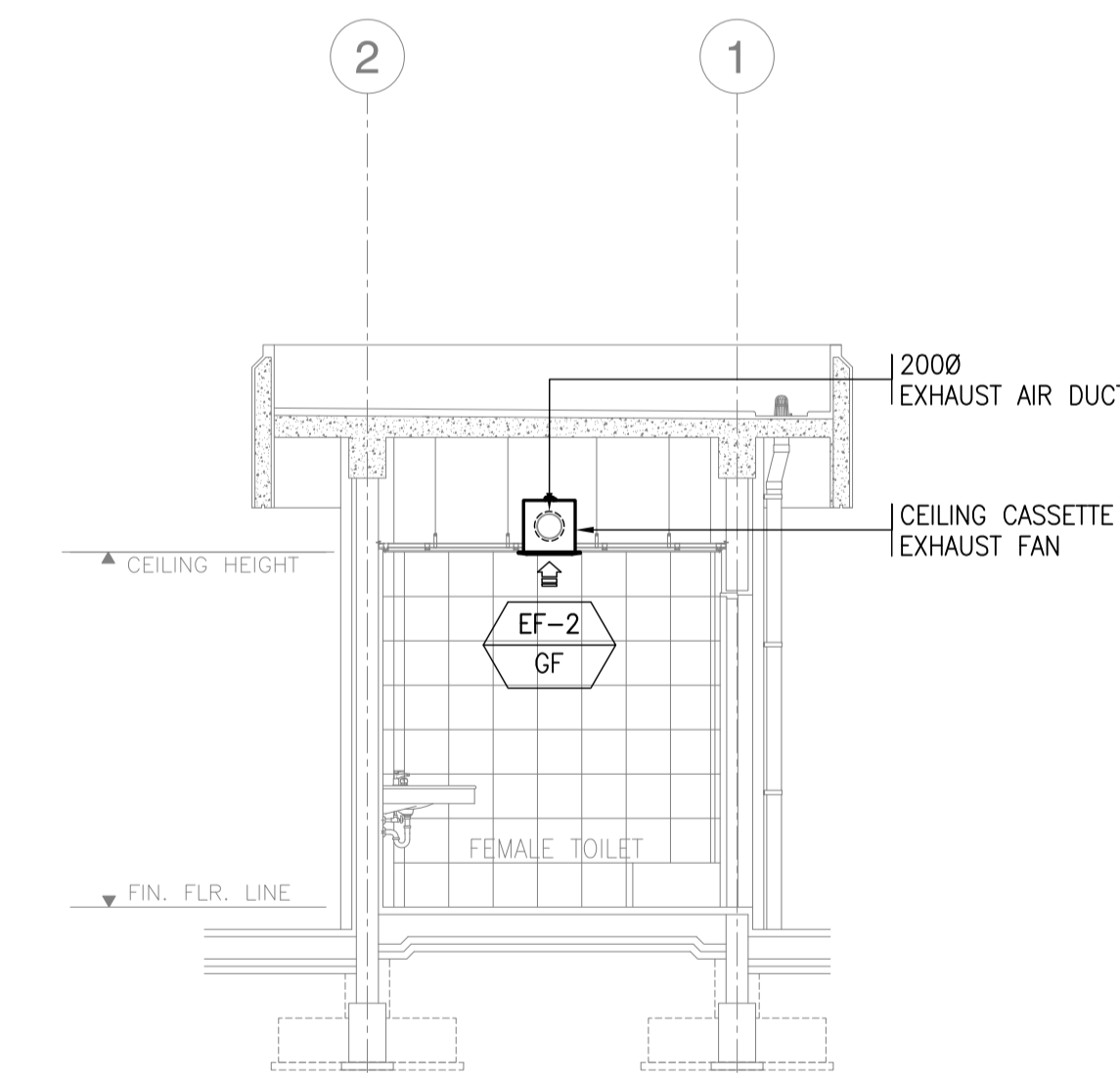
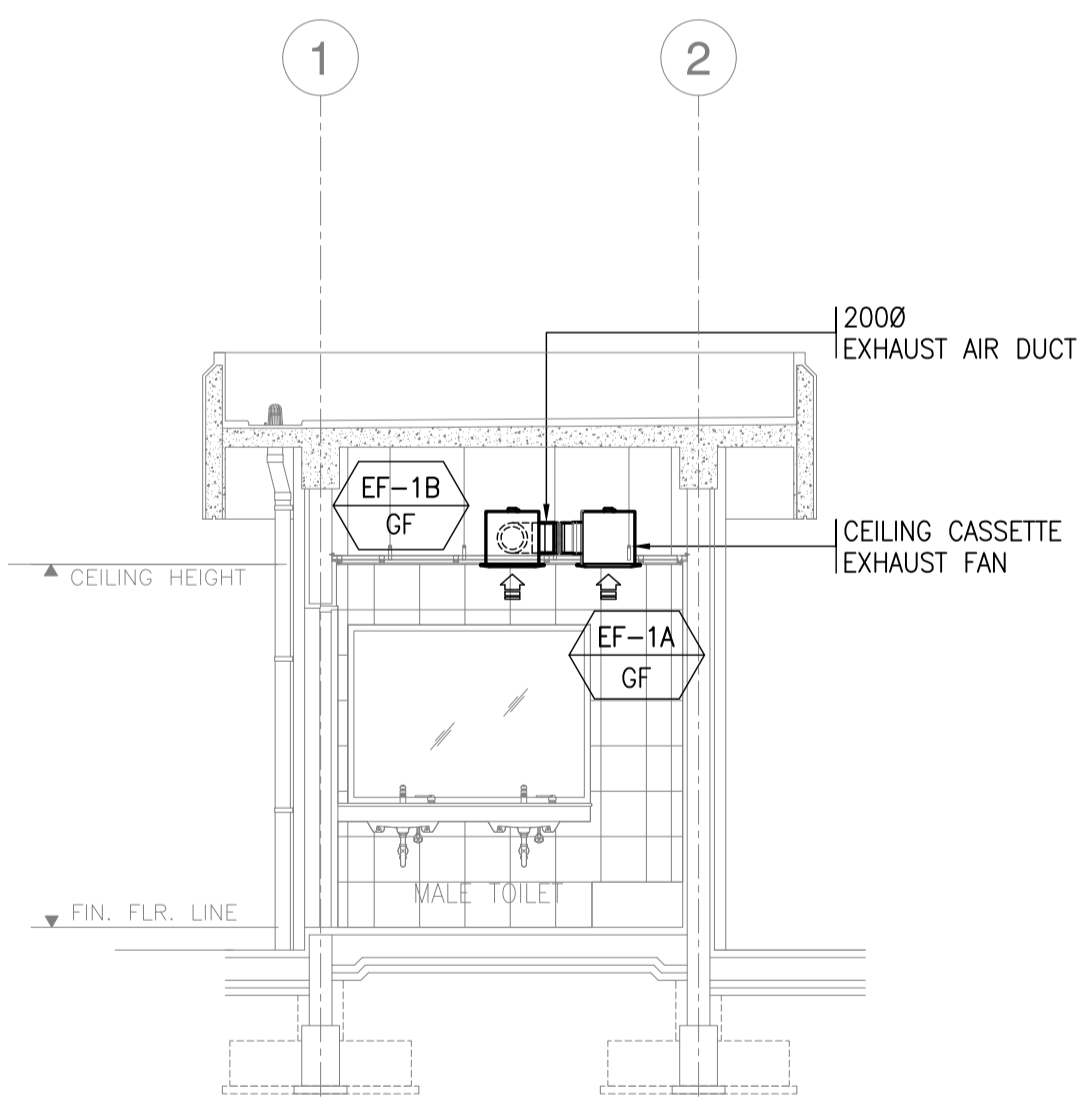
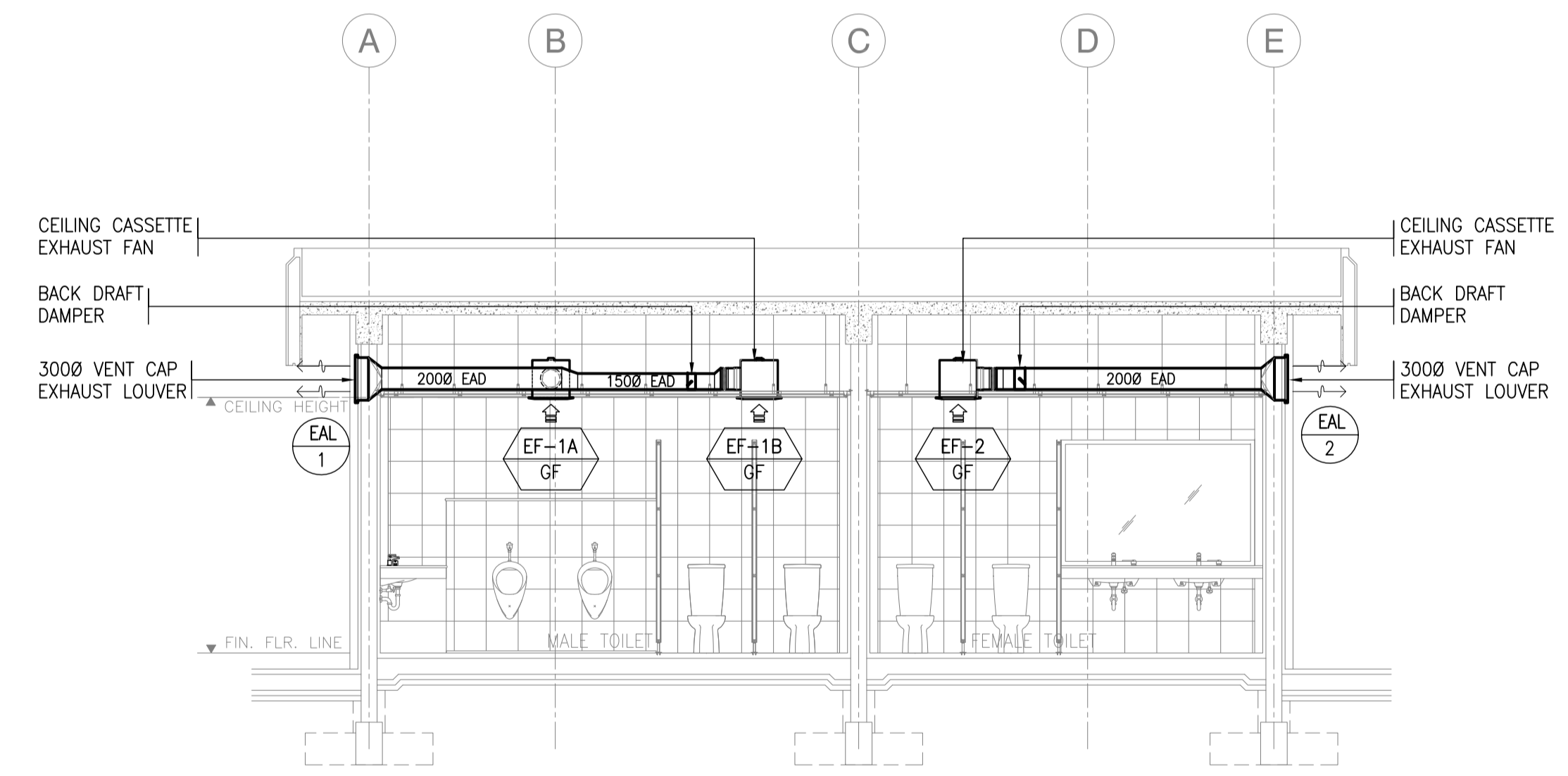
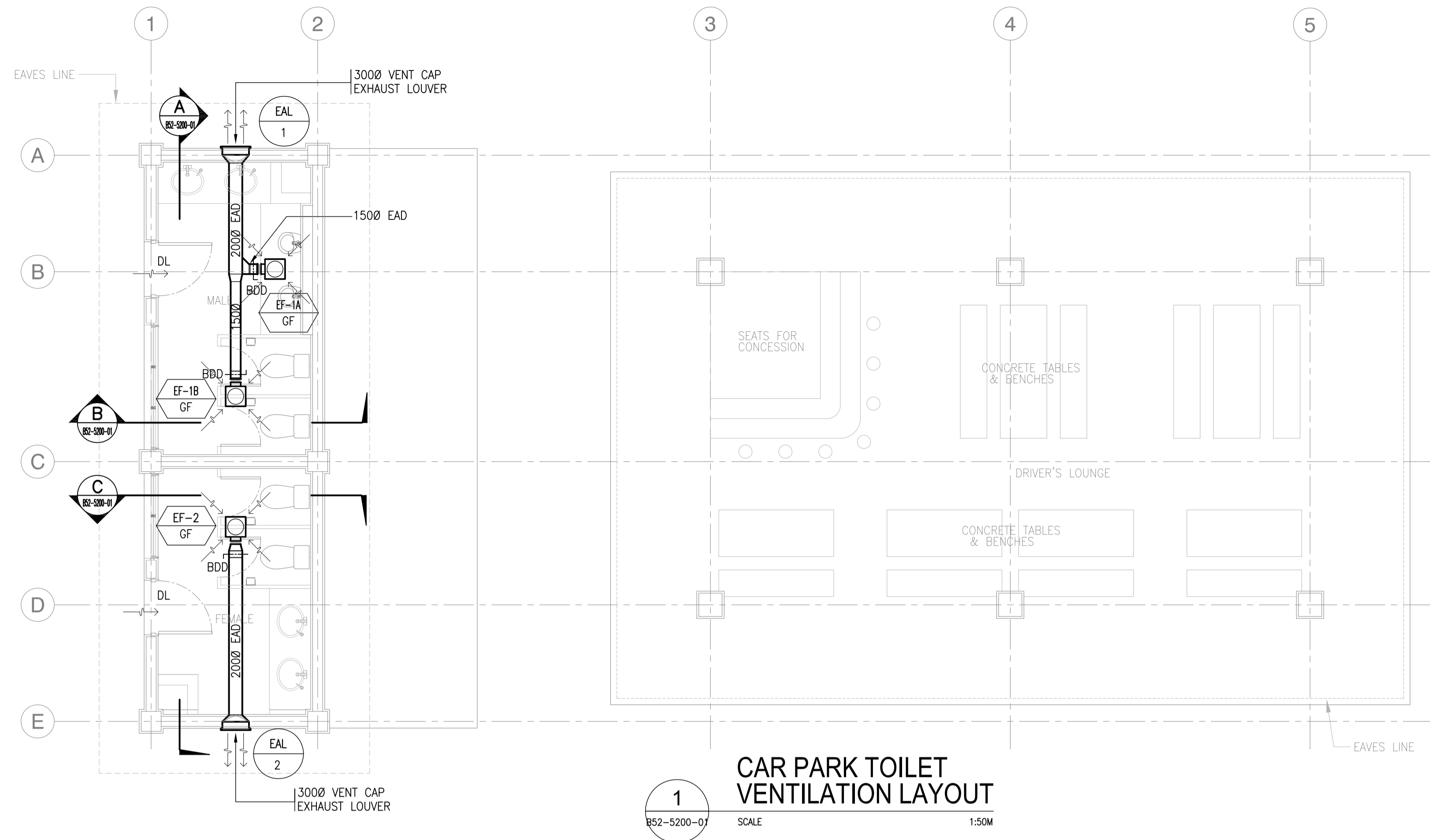
CAR PARK TOILET

EXHAUST FANS:

UNIT DESIGNATIONS	EQUIPMENT	AREA SERVED	QUANTITY	EQUIPMENT AIRFLOW (lps)	STATIC PRESSURE (Po)	POWER INPUT (W)	ELECTRICAL CHARACTERISTICS			TYPE OF FAN
							VOLTS	PHASE	HERTZ	
EF-1A GF	EXHAUST FAN	TOILET (MALE)	1	45	90	32	230	1	60	CEILING CASSETTE
EF-1B GF	EXHAUST FAN	TOILET (MALE)	1	45	90	32	230	1	60	CEILING CASSETTE
EF-2 GF	EXHAUST FAN	TOILET (FEMALE)	1	75	62	32	230	1	60	CEILING CASSETTE

AIR TERMINAL DEVICE SCHEDULE:

AIR TERMINAL DEVICE DESIGNATION	LOCATION	LEVEL	SERVICE	QUANTITY	TOTAL AIR FLOWRATE (lps)	TYPE	AIR FLOWRATE PER TERMINAL DEVICE (lps)	DIMENSION DIAMETER (mm)	REMARKS
EAL 1	TOILET-MALE	GROUND FLOOR	EXHAUST AIR	1	90	EXHAUST AIR LOUVER	90	300	WEATHER PROOF ALUMINUM VENT CAP W/ INTEGRAL BACKDRAFT DAMPER
EAL 2	TOILET-FEMALE	GROUND FLOOR	EXHAUST AIR	1	75	EXHAUST AIR LOUVER	75	300	WEATHER PROOF ALUMINUM VENT CAP W/ INTEGRAL BACKDRAFT DAMPER

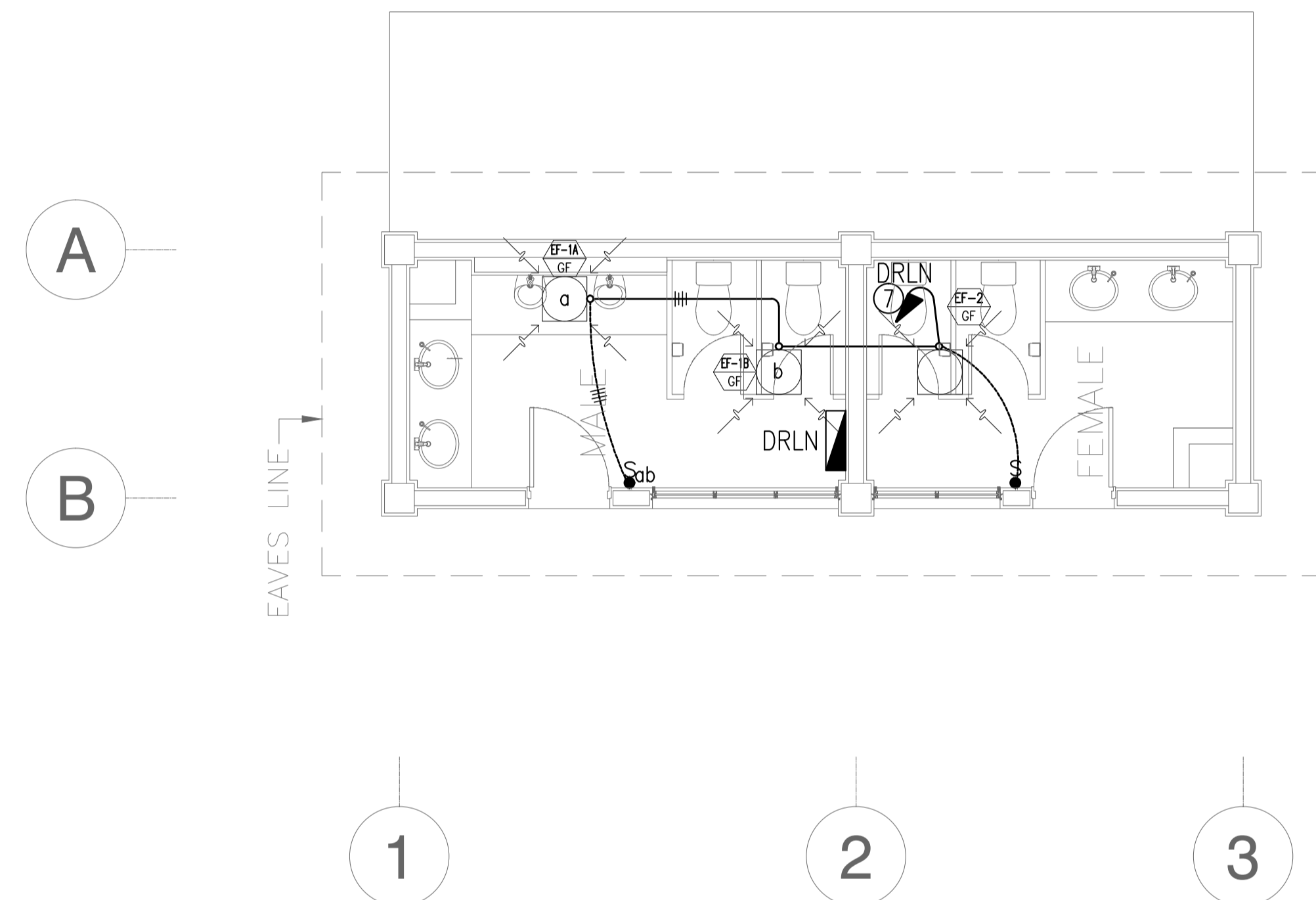


A
CAR PARK TOILET SECTION "A"
SCALE 1:50M

B
CAR PARK TOILET SECTION "B"
SCALE 1:50M

C
CAR PARK TOILET SECTION "C"
SCALE 1:50M

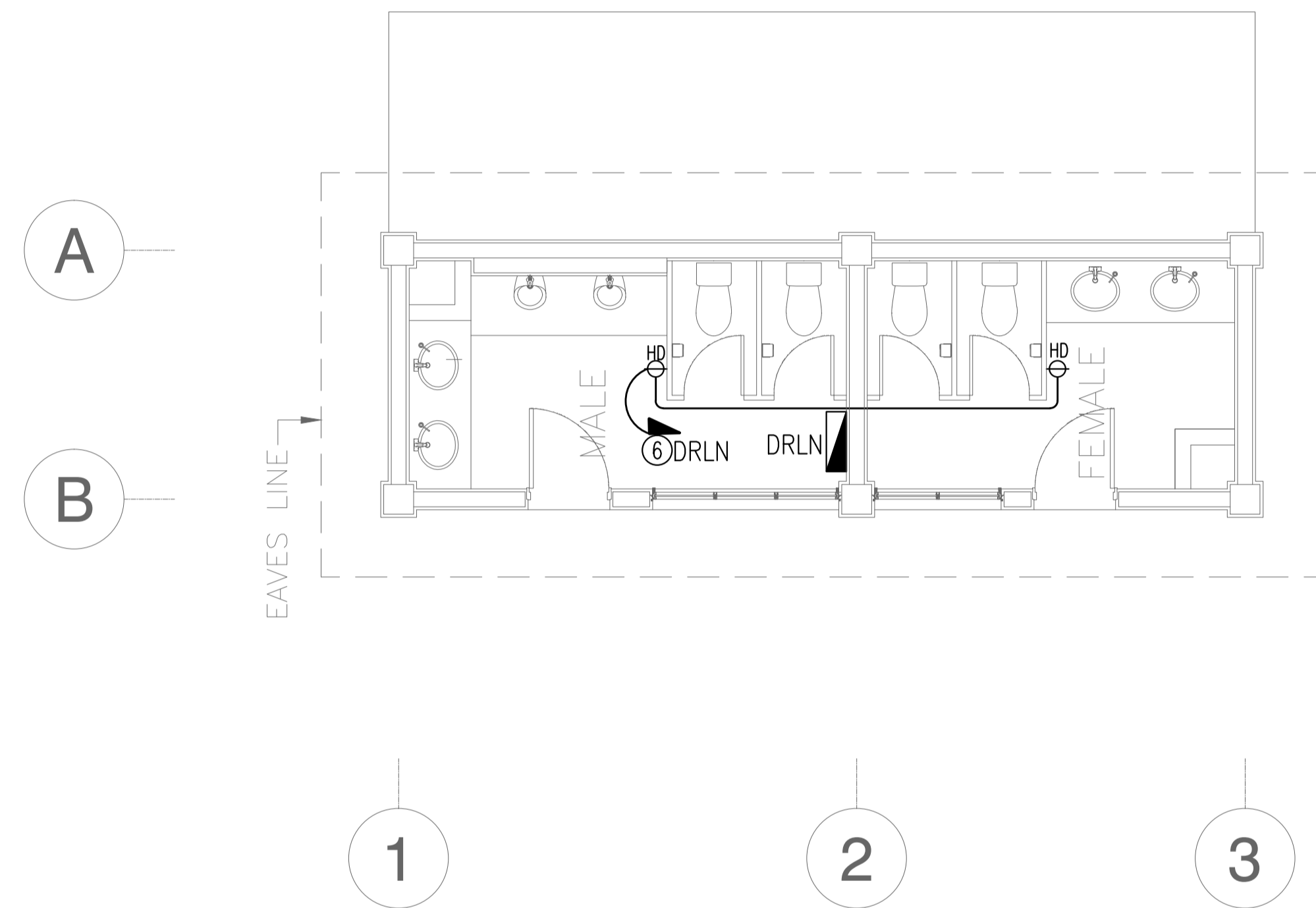
	PREPARED BY: RENATO A. ARRIOLA Filipino Registered Engineer PROF. MECHANICAL ENGINEER PIR. 1725187 REG. NO. 2379 DATE: JANUARY 01, 2013 TIN. 150-563-379 PLACE: TAGUIG CITY	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B52) CAR PARKS TOILET	SHEET NO: B52-5200-01
	JICA DESIGN CONSULTANT JOINT VENTURE	DATE: JUNE 2013	DATE:	INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: IIC Validated by:	DRAWING SCALE: 1:50M



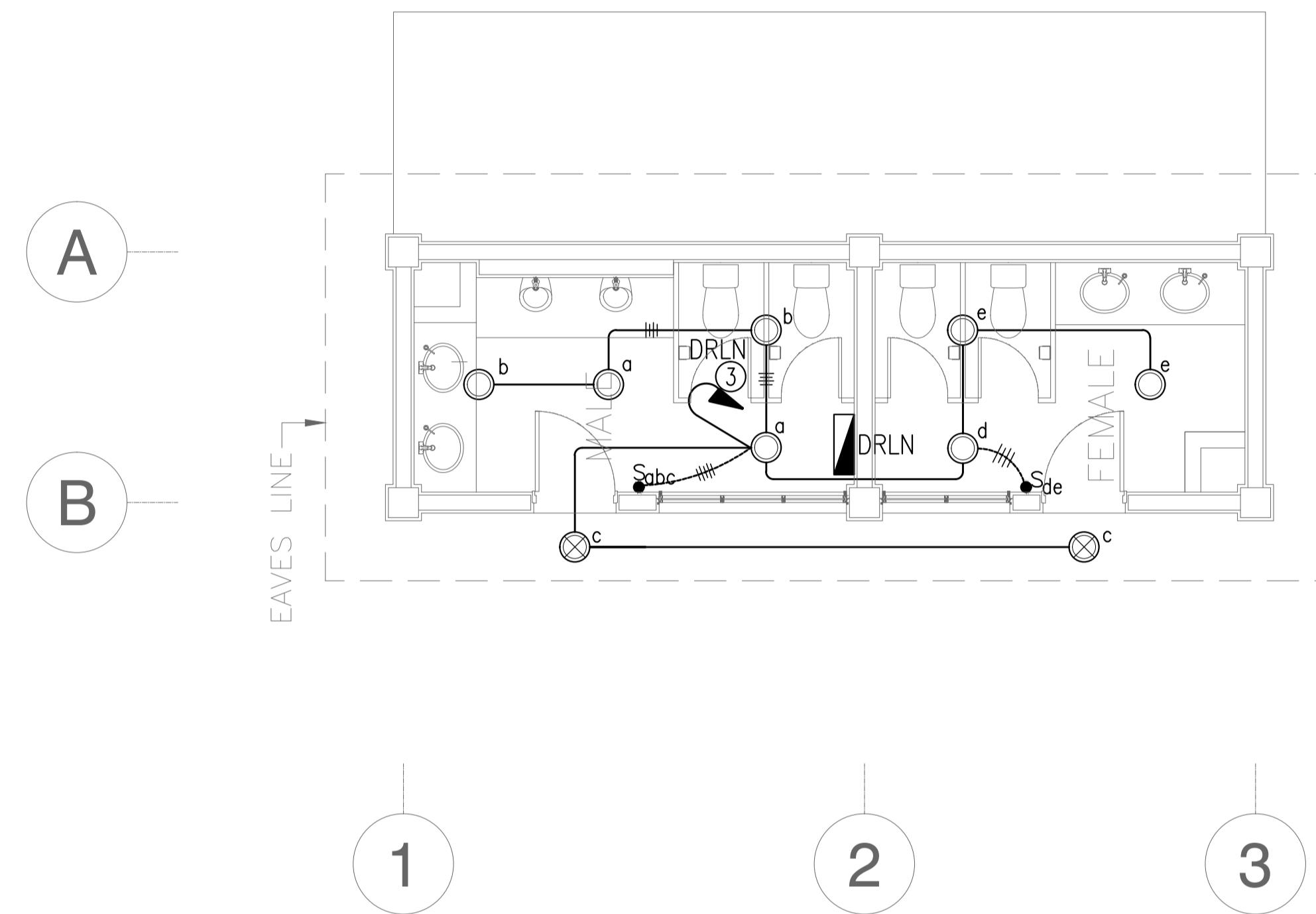
NOTE: REFER TO SHEET NO. B51-6200-01 FOR PANEL SCHEDULE.

1 CAR PARK TOILET (CPT)
VAC FEEDER LAYOUT PLAN
 B52-6100-01 GRAPHIC SCALE 0 1 2 5m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B52) Car Parks Toilet ELECTRICAL VAC FEEDER LAYOUT	SHEET NO: B52-6100-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE: JUNE 2013 INDEX: AMENDMENTS: Prepared by: WIM Checked by: HC Validated by:



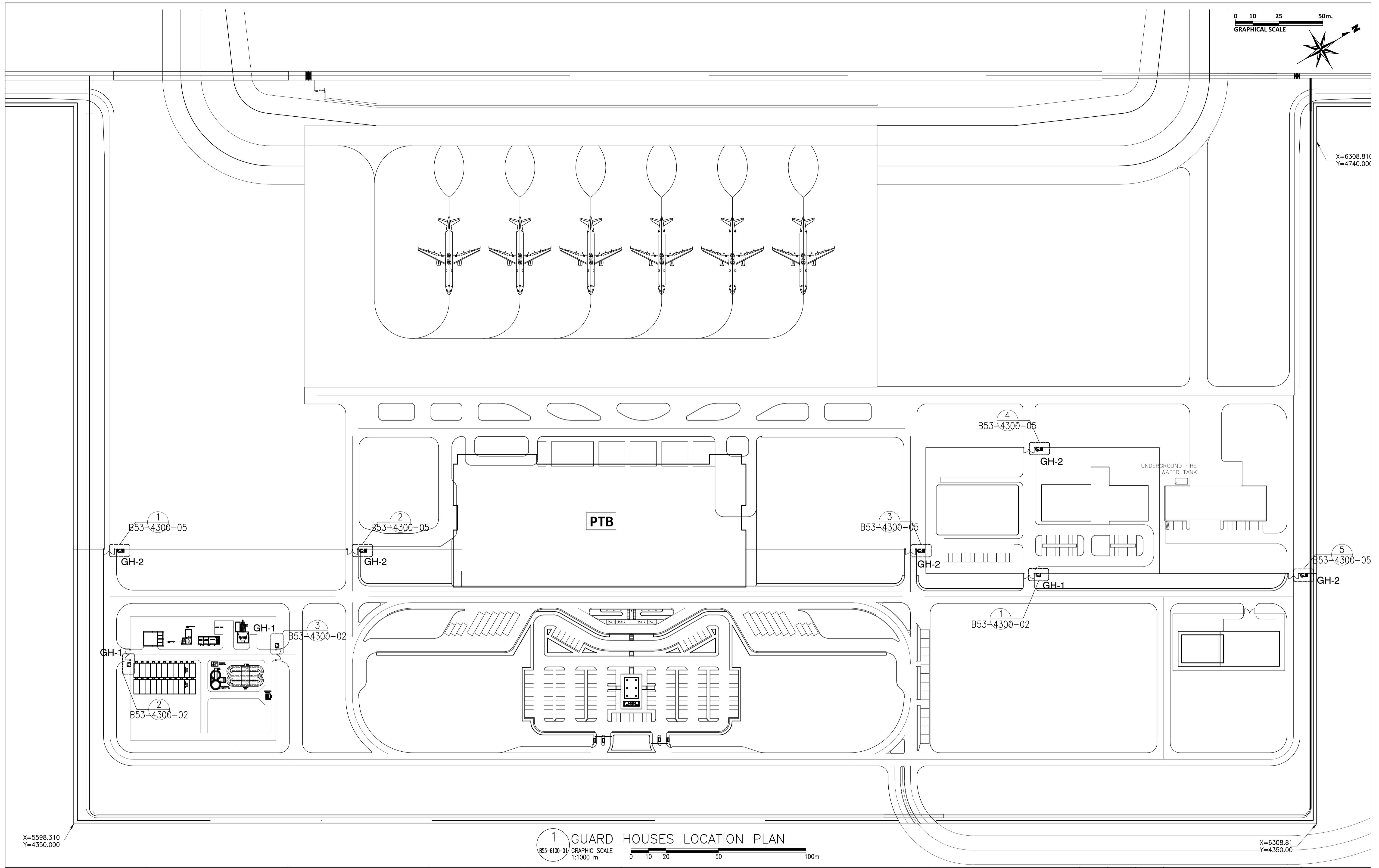
1 CAR PARK TOILET (CPT)
RECEPTACLE LAYOUT PLAN
 B52-6200-01 GRAPHIC SCALE 0 1 2 5m



2 CAR PARK TOILET (CPT)
LIGHTING LAYOUT PLAN
 B52-6200-01 GRAPHIC SCALE 0 1 2 5m

NOTE: REFER TO SHEET NO. B51-6200-01 FOR PANEL SCHEDULE.

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.J.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B52) Car Parks Toilet ELECTRICAL RECEPTACLE & LIGHTING LAYOUT	SHEET NO: B52-6200-01
	JICA DESIGN CONSULTANT JOINT VENTURE <small>Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS</small> <small>JAPAN INTERNATIONAL COOPERATION AGENCY</small>	TADASHI AOI <small>Team Leader</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE: JUNE 2013 INDEX: WIM HC AMENDMENTS: Prepared by, Checked by, Validated by	DRAWING SCALE: 1:50 m	



1 GUARD HOUSES LOCATION PLAN
 B53-6100-01 GRAPHIC SCALE
 1:1000 m

	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 T.I.N: 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (5) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B53) GUARD HOUSE ARCHITECTURAL LOCATION PLAN	SHEET NO: B53-4300-01 DRAWING SCALE: 1:1000 M.
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	DATE: JUNE 2013 INDEX: [] AMENDMENTS: [] Prepared by: [] Checked by: WIM Validated by: HC	SHEET NO: B53-4300-01 DRAWING SCALE: 1:1000 M.

GUARDHOUSE 1 (GDH-1)

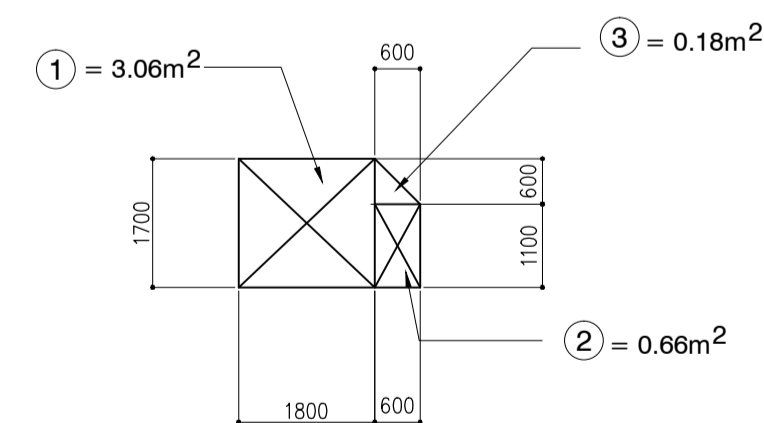
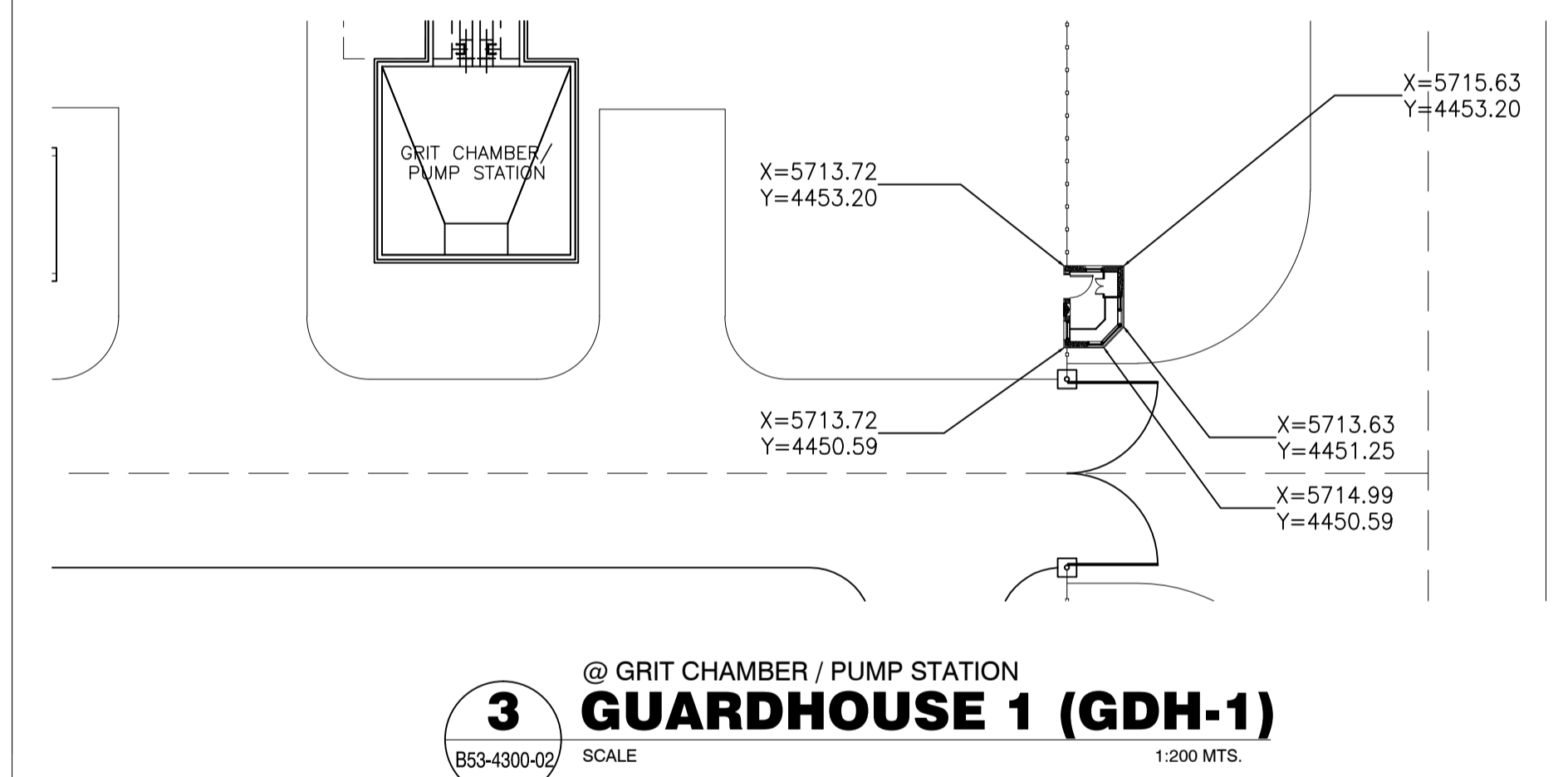
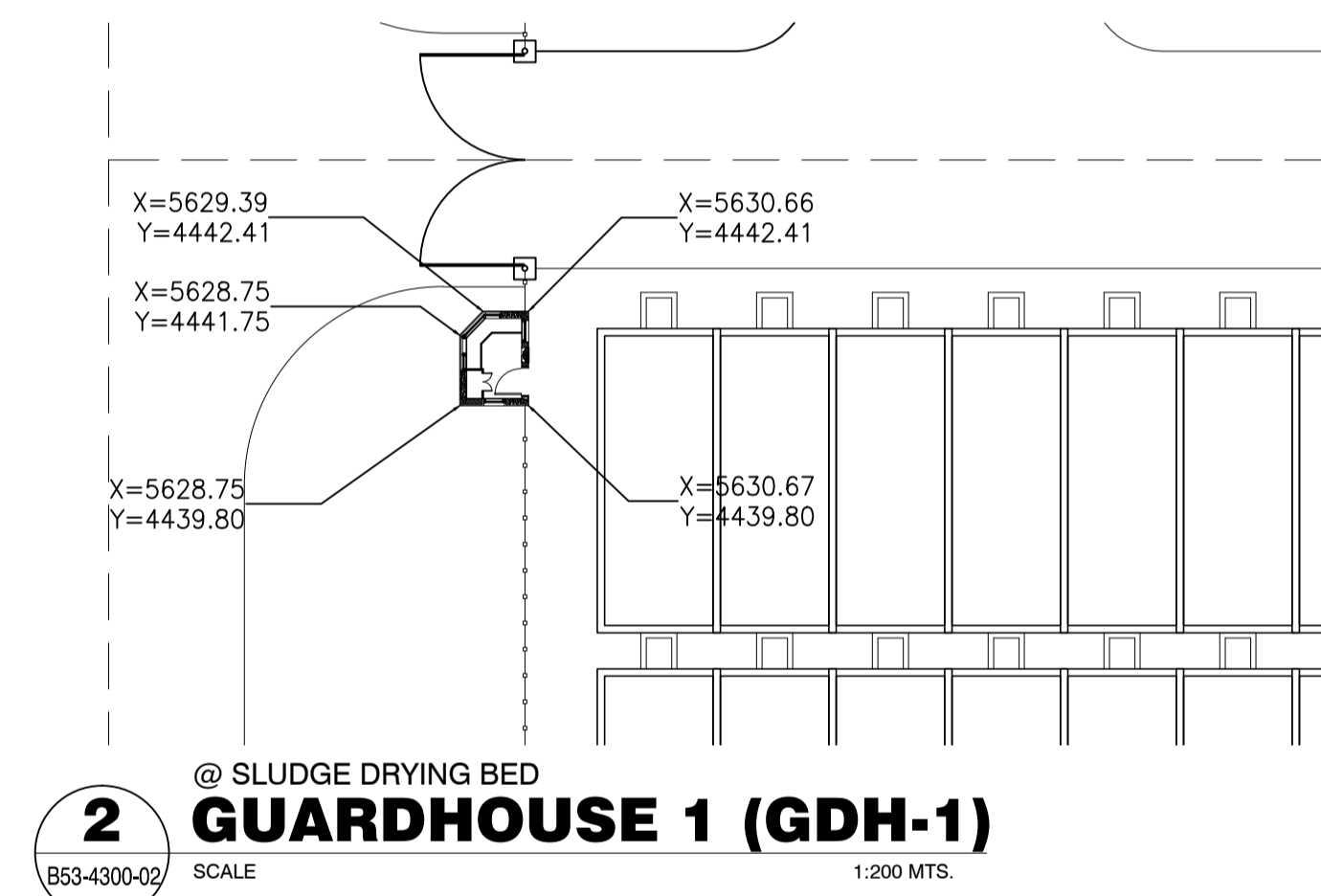
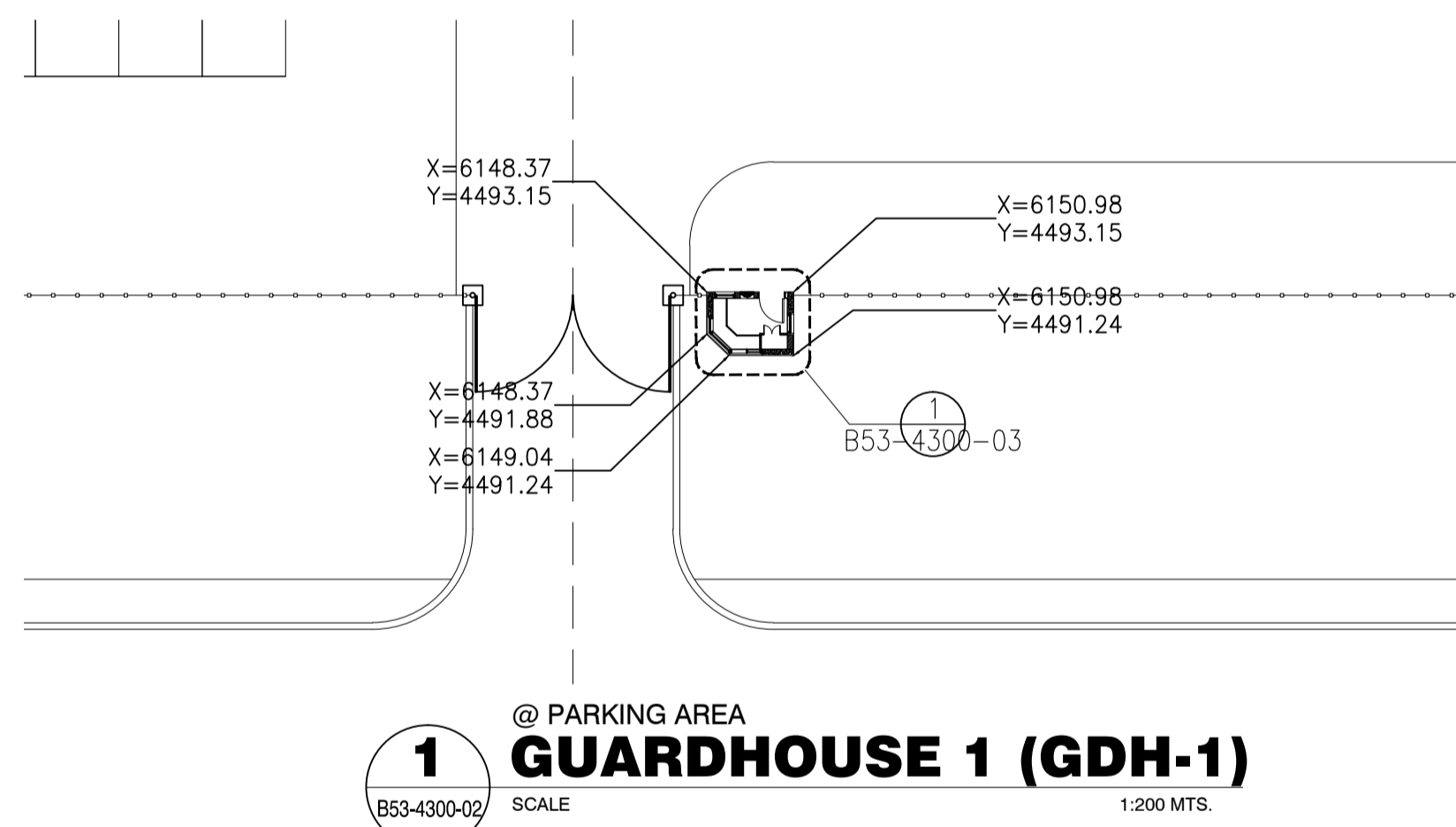
OUTLINE OF EXTERNAL FINISHING SCHEDULE

Portion	Appl.	Symbol	Finishing Material	Portion	Appl.	Symbol	Finishing Material
Floor		FLG	t=30 Granite tile with jet burner finish on cement setting bed	Walls		WLA	Aluminum Back-mullion Curtain wall Framing system
	x	FLS	Cement render finishing with metal troweled (t=30)		x	WLR	Cement render finish w/P-4
		FLC	Ceramic tile 300 x 300 slip resistance finishing			WLC	Fair faced concrete w/P-4
	FLD	Aluminum Cladding: Anodizing with electro deposition Aluminum composite panel w/ polyethylene insulation t=40mm			WLD	Aluminum Cladding: Anodizing with electro deposition Aluminum composite panel w/ polyethylene insulation t=40mm	
Roof		ROD	Single folded steel plate roof with insulation (Folded steel plate : t=0.6, h=41 Fluorin-resin coated aluminized steel, Insulation : t=100 Glass wool wrapped in polyethylene film)	Windows	x	AW	Anodizing with electro deposition aluminum window
		ROS	Single folded steel plate (t=0.6, h=41) fluorin-resin coated aluminized steel w/ prefabricated fiber glass sheet t=5mm	Doors	x	SD	Steel door w/P-3
		ROC	Protective concrete layer on insulation board and pre-formed waterproofing membrane WP-1		AD	Anodizing with electro deposition aluminum door	
		ROPS	Vinyl Chloride resin sheet membrane on insulation board t=30	Column	x	CNR	Cement render finish w/P-4
		ROPR	Hot applied rubberized asphalt waterproofing system WP-2		CNC	Fair faced concrete w/P-4	
Roof Gutter		RGA	Stainless sheet (t=2) w/ polyethylene foam W=500		CNF	Fair faced concrete	
		RGB	Stainless sheet (t=2) w/ polyethylene foam W=300		CNB	t=8 Calcium silicate board w/P-4	
Fascia		EVA	t=2.5 Aluminum panel w/P-8		CNS	Steel structure w/P-8	
Parapet		PAF	Fair faced concrete w/P-4	Beam		BMR	Cement render finish w/P-4
	x	PAR	Cement render finish w/P-4		BMC	Fair faced concrete w/P-4	
DownSpout	x	DSA	d=100 PVC Pipe		BMF	Fair faced concrete	
		DSB	d=150 Galvanized SGP w/P-3		BMS	Steel structure w/P-8	
Soffit		SFA	t=8 Calcium silicate board w/P-7	Base		BSR	Cement render finish w/P-4 h=300
		SFB	t=8 Calcium silicate board w/P-1		BSF	Fair faced concrete h=300	
	x	SFC	Formed Face Concrete w/ P-4		SKG	t=25 Granite tile H=100	
Parapet Coping		PCA	Anodizing with electro deposition Aluminum Coping	Roller Doors		RDST	Roller steel door w/P-3
	x	PCR	Cement render finish w/P-4		RDG	Roller steel grill w/P-3	
Sky Light		SKL	Laminated glass with anodizing with electro deposition frame	Expansion Joint		EXJ	Pre-fabricated stainless steel expansion joint covers
Ladder		LDS	Stainless steel pipe				

Legend for Paint Type

- P-1 Synthetic Resin Emulsion Paint
- P-2 Synthetic Resin Mixed Paint type I (for wood)
- P-3 Synthetic Resin Mixed Paint type II (for steel)
- P-4 Synthetic Resin Emulsion Multi-Layer Coating
- P-5 Clear Lacquer
- P-6 Epoxy Resin Floor Paint
- P-7 Acrylic Resin Enamel Paint
- P-8 Fluorine-resin Enamel coating

wp-3: Water Proofing : Urethane Waterproofing Coating



GUARD HOUSE 1 FLOOR AREA SCHEDULE

FL	Floor Area No.	Floor Area
GFL	1	3.06 m ²
	2	0.66 m ²
	3	0.18 m ²
	TOTAL	3.90 m ²

4 FLOOR AREA (GDH-1)

SCALE 1:100 MTS.

	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR. 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 TIN. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B53) GUARD HOUSE ARCHITECTURAL EXTERNAL FINISHING SCHEDULE FLOOR AREA LOCATION OF GUARDHOUSE 1	SHEET NO: B53-4300-02
	JICA DESIGN CONSULTANT JOINT VENTURE	DATE: JUNE 2013	INDEX	AMENDMENTS	Prepared by: WIM	Checked by: HC	Validated by:

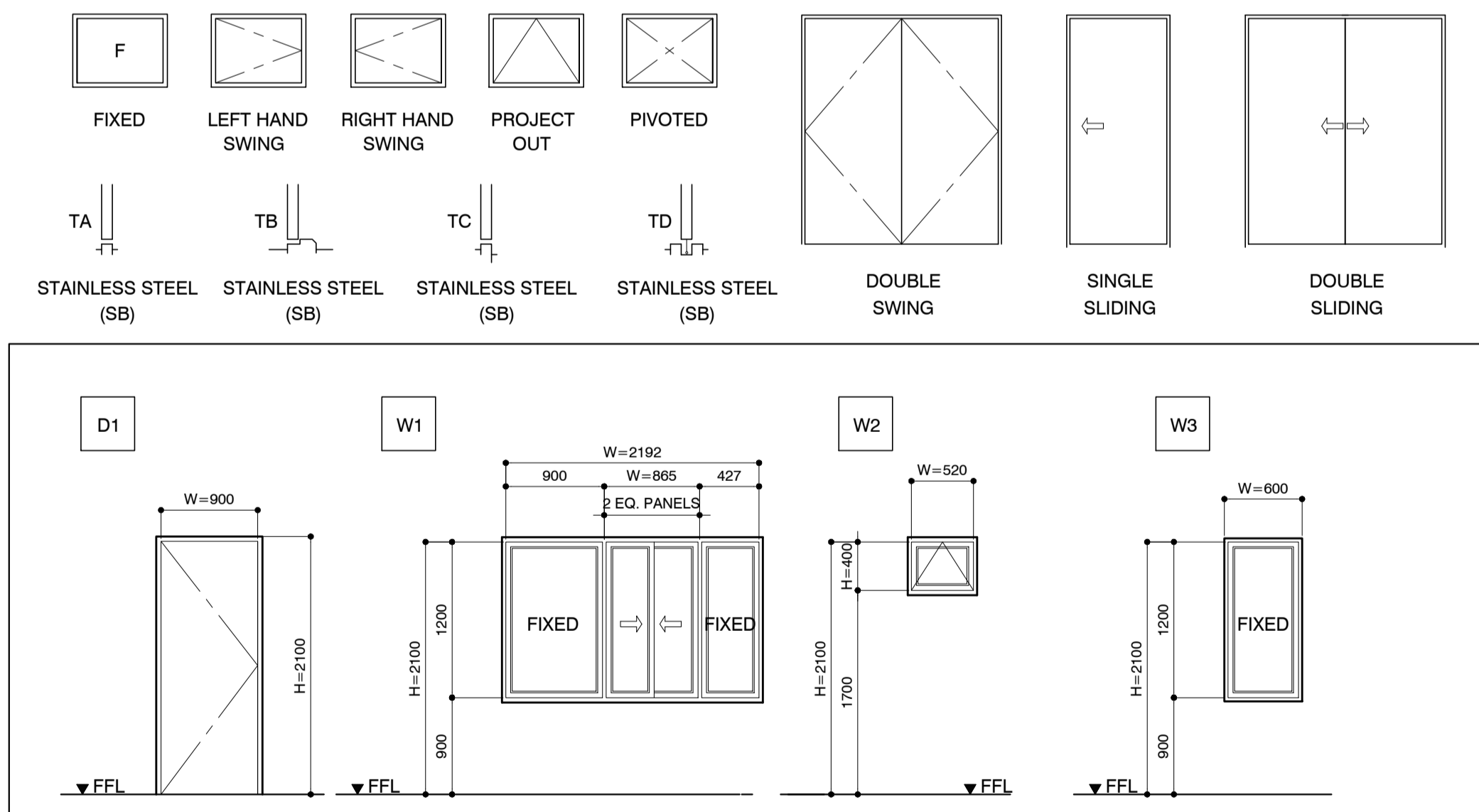
DOORS & WINDOWS SCHEDULE

MARK	TYPE	FIGURE	QUANTITY	DIMENSION		DOOR PANEL OR SASH	MATERIAL	FINISH	GLAZING			LOUVER			IRON MONGERY				OTHERS				REMARKS						
				W (w) x H (h)	FRAME				TYPE	THICKNESS	ANTI SHATTER FILM	DIMENSION W x H	MATERIAL	FINISH	ALL FITTING FIXING & HARDWARE	HINGES	LOCK AND LATCH	DOOR CLOSER	DOOR STOP	WEATHER MOULDING	SILL/TRIM	DOOR THRESHOLD		DOOR NAME PLATE	BLINDS				
1 SD	D1		1	900 x 2100	120	40	ST	P3										X	BH	ML	X	X		X	ST	TB	X		
1 AW	W1		1	2192 x (865) x 1200	70		AL	AED	CG	8	X							X						X	AL				W/ KEYLOCK, BLINDS
2 AW	W2		1	520 x 400	70		AL	AED	CG	8	X							X		CHL				X	AL				W/ KEYLOCK
3 AW	W3		1	600 X 1200	70		AL	AED	CG	8	X							X						X	AL				

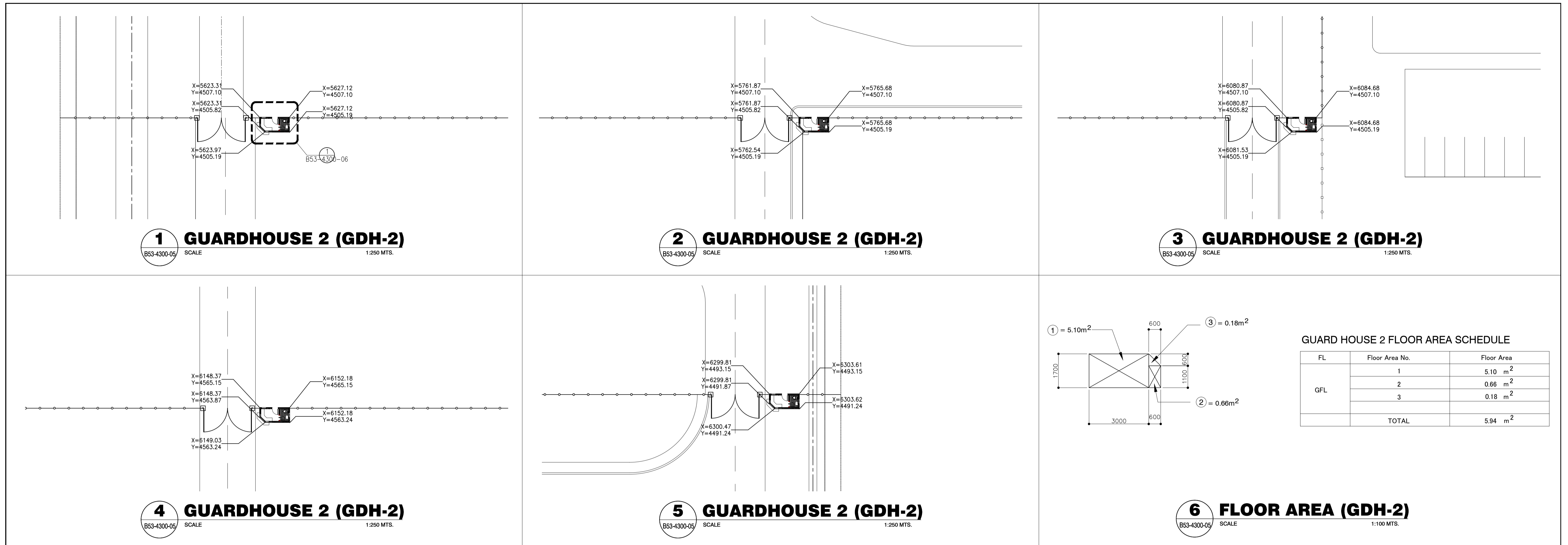
X = APPLICABLE

- | | | | | |
|--|--|--|--|---|
| DOOR & WINDOW
AD - ALUMINUM DOOR
AW - ALUMINUM WINDOW
AL - ALUMINUM LOUVER
SD - STEEL DOOR
WD - WOODEN DOOR
RS - ROLLING SHUTTER DOOR
AS - ALUMINUM SCREEN | FINISH
AN - ANODIZED
AED - ANODIZING ELECTRO DEPOSITION
SB - SCRATCH BRUSHED
MR - MELAMINE RESIN OVERLaid
EPX - EPOXY-POLYESTER
BAKED PAINT
P-2 - SYNTHETIC RESIN MIXED PAINT TYPE-1 (WOOD)
P-3 - SYNTHETIC RESIN MIXED PAINT (STEEL)
UE - POLYURETHANE ENAMEL | GLAZING
CG - CLEAR FLOAT GLASS
CWG - CLEAR WIRED GLASS
FG - FIGURED GLASS
FWG - FIGURED WIRED GLASS
HAG - HEAT ABSORBING GLASS
HAWG - HEAT ABSORBING WIRED GLASS
LG - LAMINATED GLASS
TG - TEMPERED GLASS | HINGES
BH - BUTT HINGE
FH - FLOOR HINGE
PH - PIVOT HINGE
SH - SPRING HINGE
LOCK & LATCH/DOOR HANDLE
DL - DEADBOLT MORTISE LOCK
ML - MORTISE LOCK & LEVER HANDLE
CL - CYLINDRICAL LOCK
HC - HOOK LOCK
EL - EMERGENCY LOCK & LEVER HANDLE | PL - PASSAGE LATCH
LL - LAVATORY LATCH WITH INDICATOR
FB - FLUSH BOLT
PP - PUSH-PULL BAR
CS - CRESCENT SASH LOCK
CLH - CAMLATCH HANDLE & ARM
RT - ROLLER TIGHTNING HANDLE
OTHERS
RW - ROCK WOOL
IS - INSECT SCREEN
AT - AIRTIGHTNESS
BB - BLIND BOX
FTG - FRAMELESS DOOR |
|--|--|--|--|---|

SYMBOLS & CONVENTION OF DOOR & WINDOW



	Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	JAPAN INTERNATIONAL COOPERATION AGENCY	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3811137 RES. NO.: 4623 DATE: MAY 9, 2013 TEL: 120-564-198 PLACE: MANILA CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B53) GUARD HOUSE ARCHITECTURAL SCHEDULE OF DOORS AND WINDOWS	SHEET NO: B53-4300-04
	JICA DESIGN CONSULTANT JOINT VENTURE	JAC JAPAN AIRPORT CONSULTANTS, INC.	NIPPON KOEI CO., LTD.	NIS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	DATE INDEX AMENDMENTS	DATE INDEX AMENDMENTS	Prepared by: WIM Checked by: IC Validated by:	DRAWING SCALE: AS SHOWN



GUARD HOUSE 2 FLOOR AREA SCHEDULE

FL	Floor Area No.	Floor Area
GFL	1	5.10 m ²
	2	0.66 m ²
	3	0.18 m ²
TOTAL		5.94 m ²

GUARDHOUSE 2 (GDH-2)

OUTLINE OF EXTERNAL FINISHING SCHEDULE

Portion	Appl.	Symbol	Finishing Material	Portion	Appl.	Symbol	Finishing Material
Floor		FLG	t=30 Granite tile with jet burner finish on cement setting bed	Walls		WLA	Aluminum Back-mullion Curtain wall Framing system
	x	FLS	Cement render finishing with metal troweled (t=30)		x	WLR	Cement render finish w/P-4
		FLC	Ceramic tile 300 x 300 slip resistance finishing			WLC	Fair faced concrete w/P-4
Roof		ROD	Single folded steel plate roof with insulation (Folded steel plate : t=0.6, h=41 Fluorin-resin coated aluminized steel, Insulation : t=100 Glass wool wrapped in polyethylene film)	Windows		WLD	Aluminum Cladding: Anodizing with electro deposition Aluminum composite panel w/ polyethylene insulation t=40mm
		ROS	Single folded steel plate (t=0.6, h=41) fluorine-resin coated aluminized steel w/ prefabricated fiber glass sheet t=5mm		x	AW	Anodizing with electro deposition aluminum window
	x	ROC	Protective concrete layer on insulation board and pre-formed waterproofing membrane WP-1	Doors		SD	Steel door w/P-3
		ROPS	Vinyl Chloride resin sheet membrane on insulation board t=30			AD	Anodizing with electro deposition aluminum door
		ROPR	Hot applied rubberized asphalt waterproofing system WP-2		Column	x	CNR
Roof Gutter		RGA	Stainless sheet (t=2) w/ polyethylene foam W=500			CNC	Fair faced concrete w/P-4
		RGB	Stainless sheet (t=2) w/ polyethylene foam W=300			CNF	Fair faced concrete
Fascia		EVA	t=2.5 Aluminum panel w/P-8			CNB	t=8 Calcium silicate board w/P-4
						CNS	Steel structure w/P-8
Parapet		PAF	Fair faced concrete w/P-4	Beam			BMR
	x	PAR	Cement render finish w/P-4			BMC	Fair faced concrete w/P-4
DownSpout	x	DSA	d=100 PVC Pipe			BMF	Fair faced concrete
		DSB	d=150 Galvanized SGP w/P-3			BMS	Steel structure w/P-8
Soffit		SFA	t=8 Calcium silicate board w/P-7		Base		BSR
		SFB	t=8 Calcium silicate board w/P-1			BSF	Fair faced concrete h=300
	x	SFC	Formed Face Concrete w/ P-4			SKG	t=25 Granite tile H=100
Parapet Coping		PCA	Anodizing with electro deposition Aluminum Coping	Roller Doors			RDST
	x	PCR	Cement render finish w/P-4			RDG	Roller steel grill w/P-3
Sky Light		SKL	Laminated glass with anodizing with electro deposition frame	Expansion Joint		EXJ	Pre-fabricated stainless steel expansion joint covers
Ladder		LDS	Stainless steel pipe				

Legend for Paint Type

- P-1 Synthetic Resin Emulsion Paint
- P-2 Synthetic Resin Mixed Paint type I (for wood)
- P-3 Synthetic Resin Mixed Paint type II (for steel)
- P-4 Synthetic Resin Emulsion Multi-Layer Coating
- P-5 Clear Lacquer
- P-6 Epoxy Resin Floor Paint
- P-7 Acrylic Resin Enamel Paint
- P-8 Fluorine-resin Enamel coating

wp-3: Water Proofing : Urethane Waterproofing Coating

	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 TEL: 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B53) GUARD HOUSE ARCHITECTURAL EXTERNAL FINISHING SCHEDULE FLOOR AREA LOCATION OF GUARDHOUSE 2	SHEET NO: B53-4300-05
	JICA DESIGN CONSULTANT JOINT VENTURE 	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:

MARK	FIGURE	QUANTITY	DIMENSION		DIMENSION		GLAZING		LOUVER		IRON MONGERY				OTHERS			REMARKS				
			W (w) x H (h)	FRAME	DOOR PANEL OR SASH	MATERIAL	FINISH	TYPE	THICKNESS	ANTI-SHATTER FILM	DIMENSION W x H	MATERIAL	FINISH	ALL FITTING FIXING & HARDWARE	HINGES	LOCK AND LATCH	DOOR CLOSER		DOOR STOP	WEATHER MOULDING	SILL/TRIM	DOOR THRESHOLD
1 SD	D1	1	900 x 2100	120	40	ST	P-3				ST	P-3	X	BH	ML	X	X	X	ST	TB	X	
1 WD	D2	1	600 x 2100	120	40	W	P-2		150 x 825 x 1NO.	WD	P-2	X	BH	ML	X	X			TA	X		
1 AW	W1	1	2192 x (865) x 1200	70		AL	AED	CG	8	X								X	AL			W/ KEYLOCK
2 AW	W2	1	520 x 400	70		AL	AED	CG	8	X					CLH			X	AL			
3 AW	W3	1	600 x 1200	70		AL	AED	CG	8	X								X	AL			

X = APPLICABLE

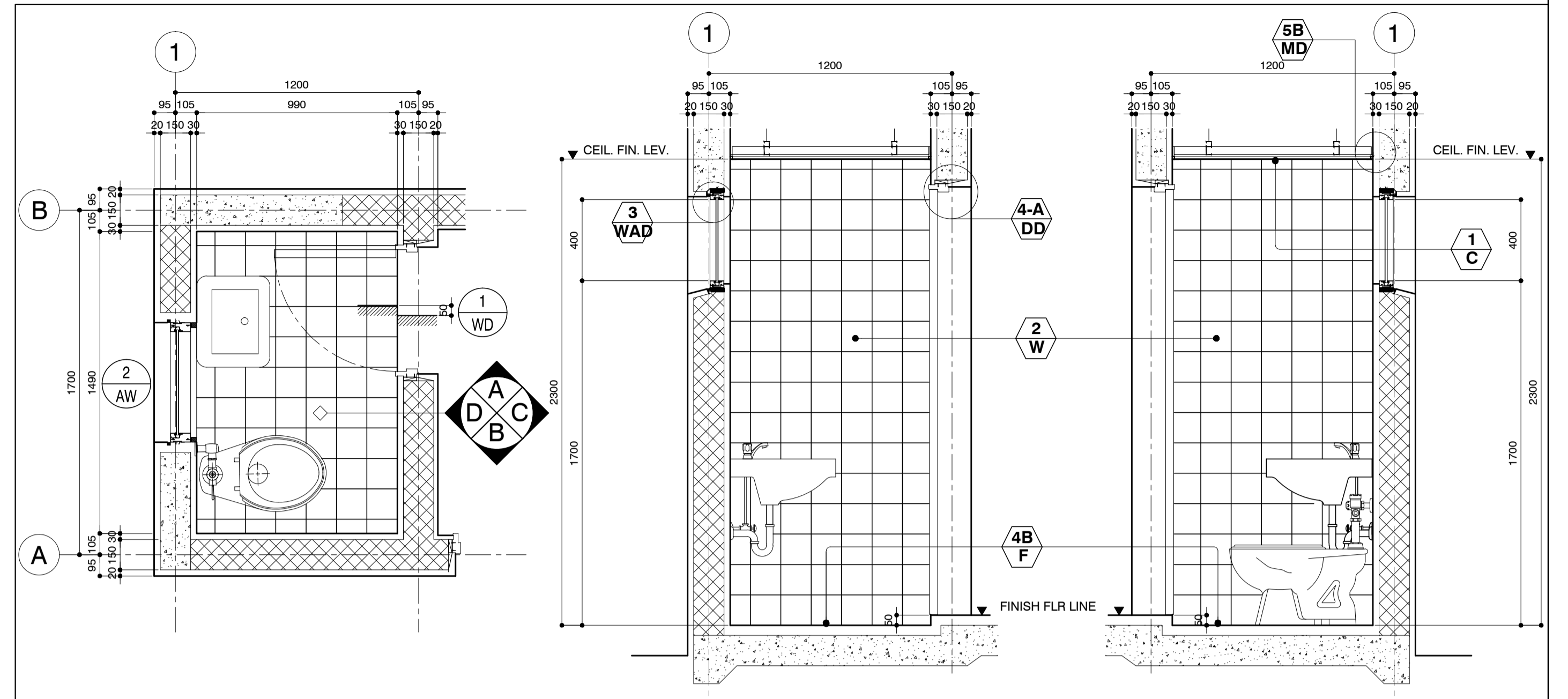
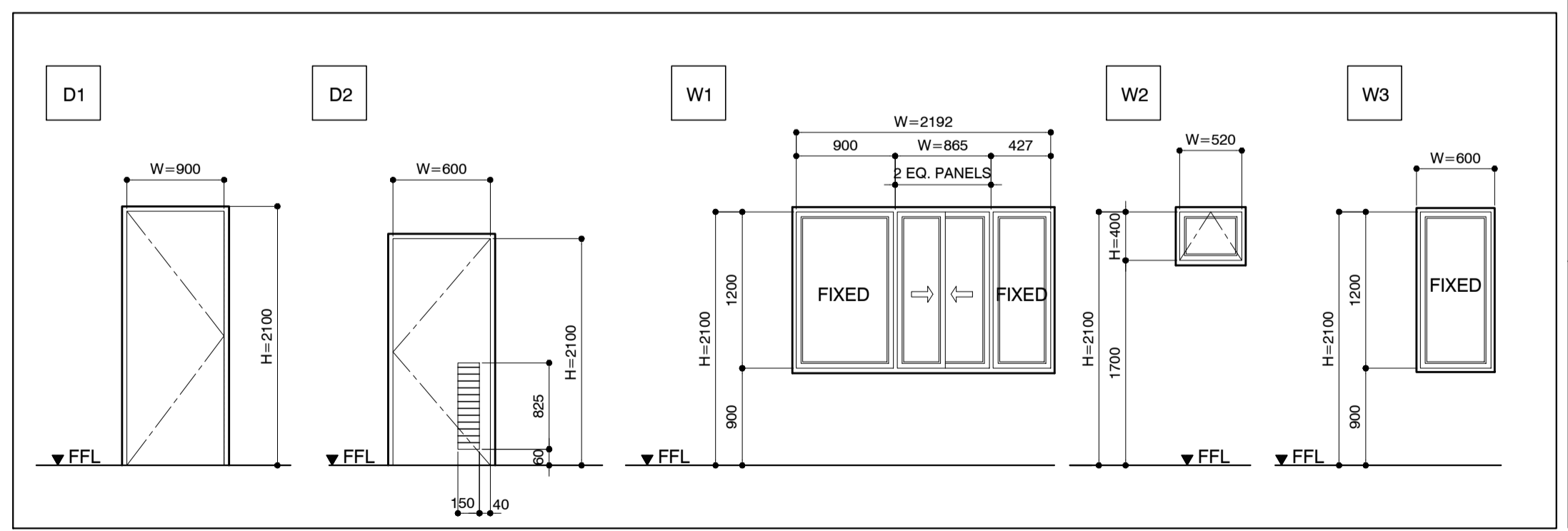
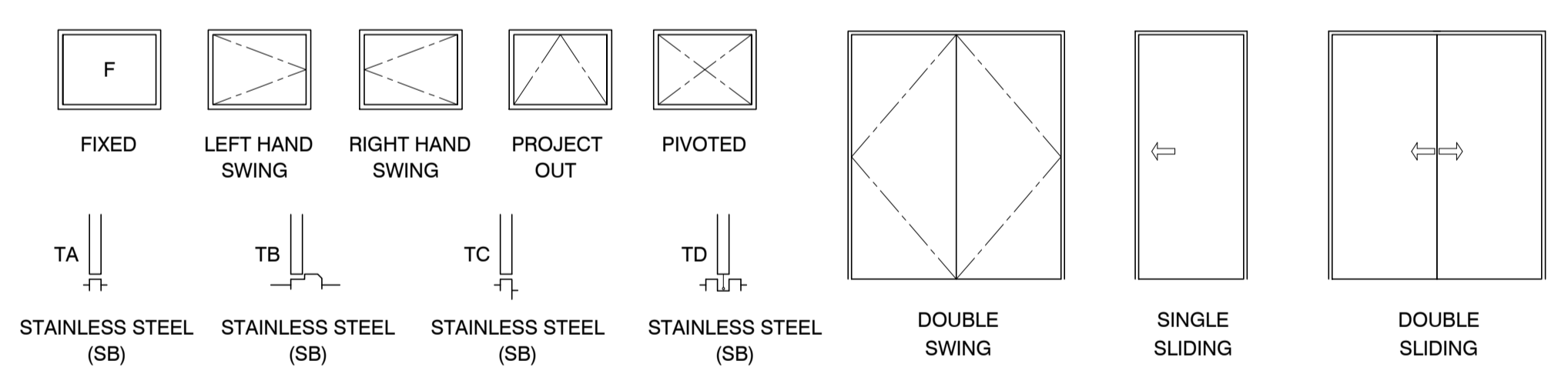
- | | | | | |
|--|---|--|---|---|
| DOOR & WINDOW
AD - ALUMINUM DOOR
AW - ALUMINUM WINDOW
AL - ALUMINUM LOUVER
SD - STEEL DOOR
WD - WOODEN DOOR
RS - ROLLING SHUTTER DOOR
AS - ALUMINUM SCREEN

MATERIAL
ST - STEEL
SST - STAINLESS STEEL
AL - ALUMINUM
TG - TEMPERED GLASS
HC - HONEY COMB
WD - WOOD | FINISH
AN - ANODIZED
AED - ANODIZING ELECTRO DEPOSITION
SB - SCRATCH BRUSHED
MR - MELAMINE RESIN OVERLAD
EPX - EPOXY-POLYESTER
BAKED PAINT
P-2 - SYNTHETIC RESIN MIXED PAINT TYPE-1 (WOOD)
P-3 - SYNTHETIC RESIN MIXED PAINT (STEEL)
UE - POLYURETHANE ENAMEL | GLAZING
CG - CLEAR FLOAT GLASS
CWG - CLEAR WIRED GLASS
FG - FIGURED GLASS
FWG - FIGURED WIRED GLASS
HAG - HEAT ABSORBING GLASS
HAWG - HEAT ABSORBING WIRED GLASS
LG - LAMINATED GLASS
TG - TEMPERED GLASS | HINGES
BH - BUTT HINGE
FH - FLOOR HINGE
PH - PIVOT HINGE
SH - SPRING HINGE

LOCK & LATCH/DOOR HANDLE
DL - DEADBOLT MORTISE LOCK
ML - MORTISE LOCK & LEVER HANDLE
CL - CYLINDRICAL LOCK
HC - HOOK LOCK
EL - EMERGENCY LOCK & LEVER HANDLE | PL - PASSAGE LATCH
LL - LAVATORY LATCH WITH INDICATOR
FB - FLUSH BOLT
PP - PUSH-PULL BAR
CS - CRESCENT SASH LOCK
CLH - CAMLATCH HANDLE & ARM
RT - ROLLER TIGHTNING HANDLE

OTHERS
RW - ROCK WOOL
IS - INSECT SCREEN
AT - AIRTIGHTNESS
BB - BLIND BOX
FTG - FRAMELESS DOOR |
|--|---|--|---|---|

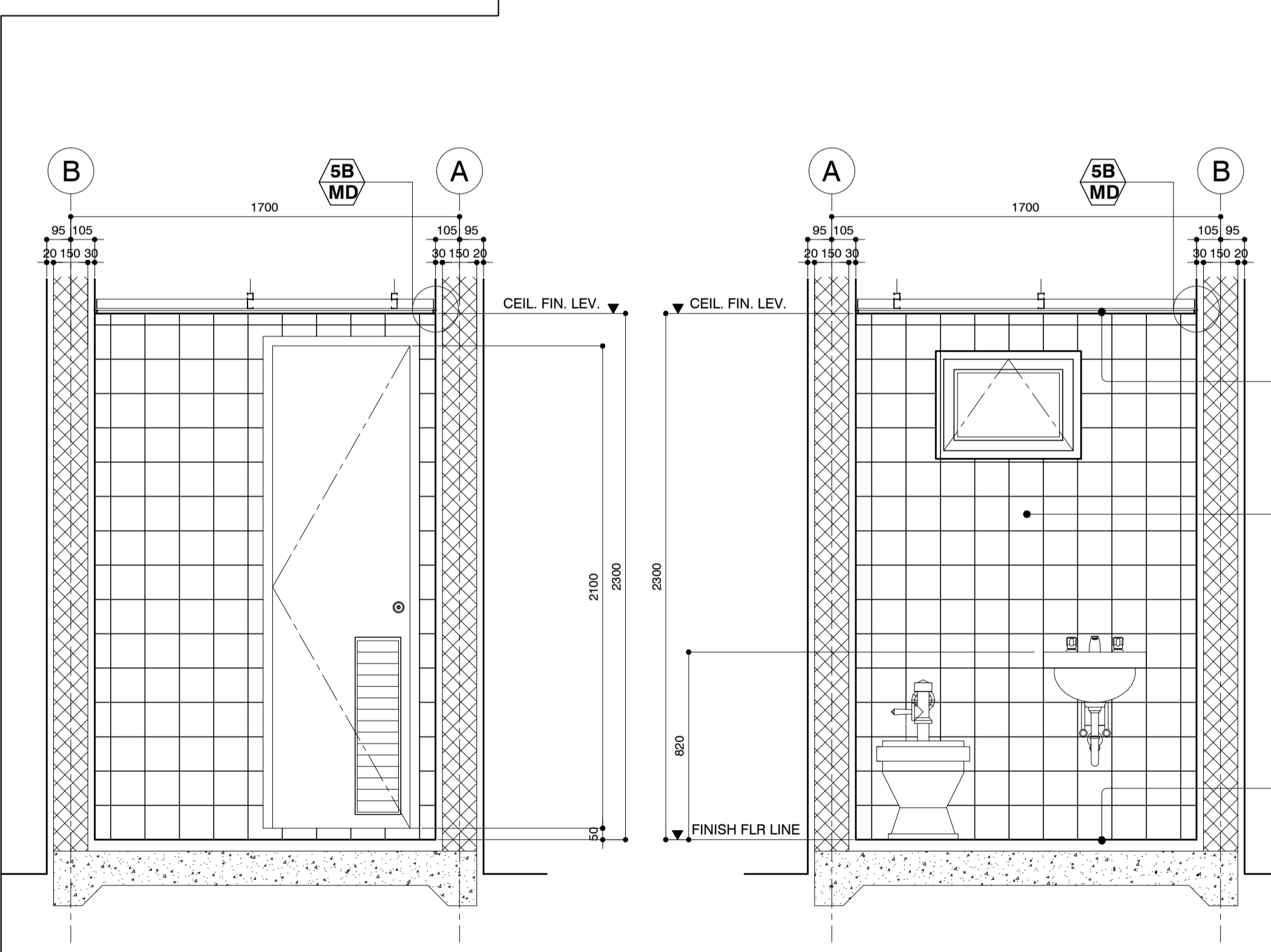
SYMBOLS & CONVENTION OF DOOR & WINDOW



1 TOILET DETAIL PLAN
 B53-4300-07 SCALE 1:20MTS.

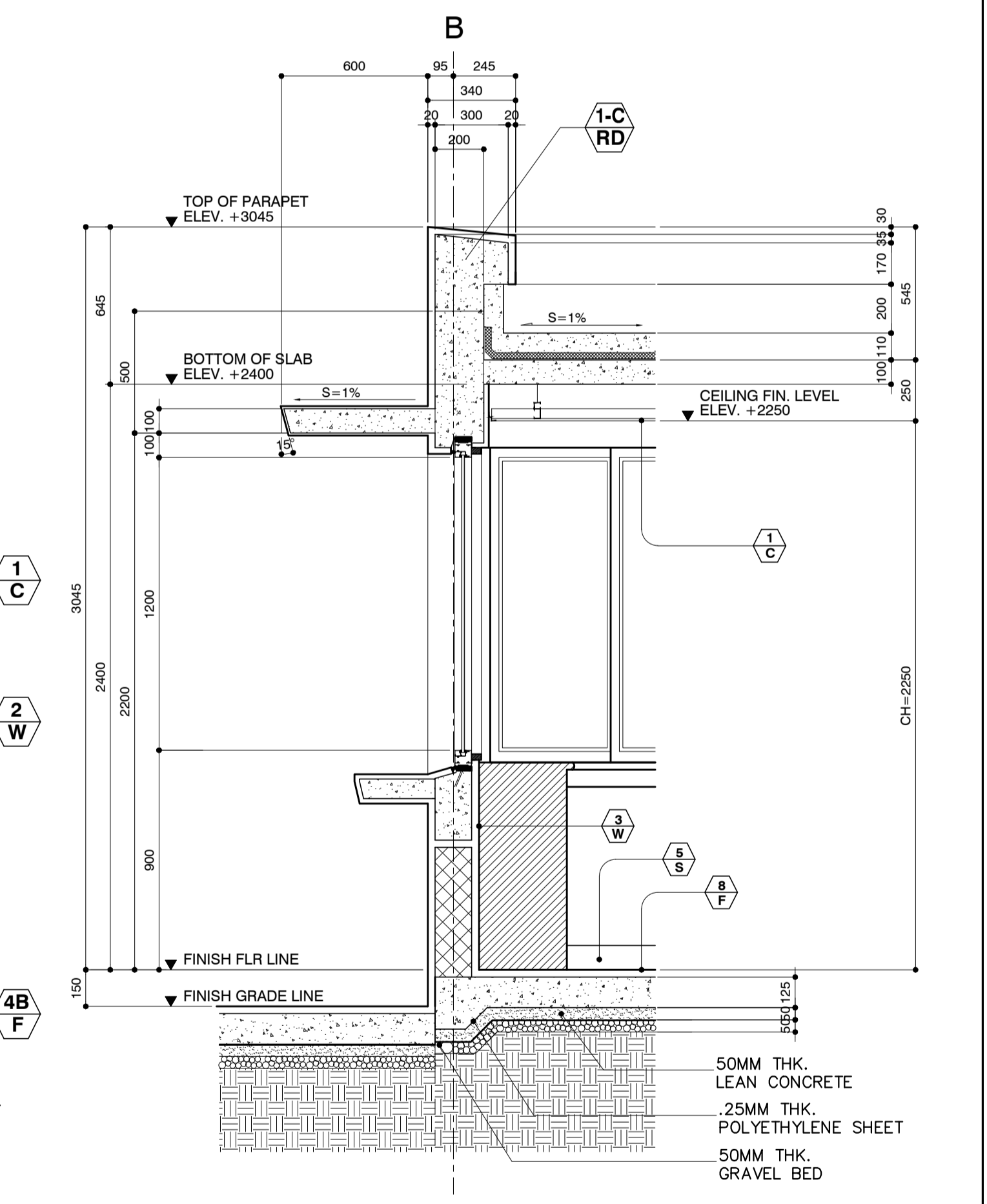
A SECTION @ A
 B53-4300-07 SCALE 1:20MTS.

B SECTION @ B
 B53-4300-07 SCALE 1:20MTS.



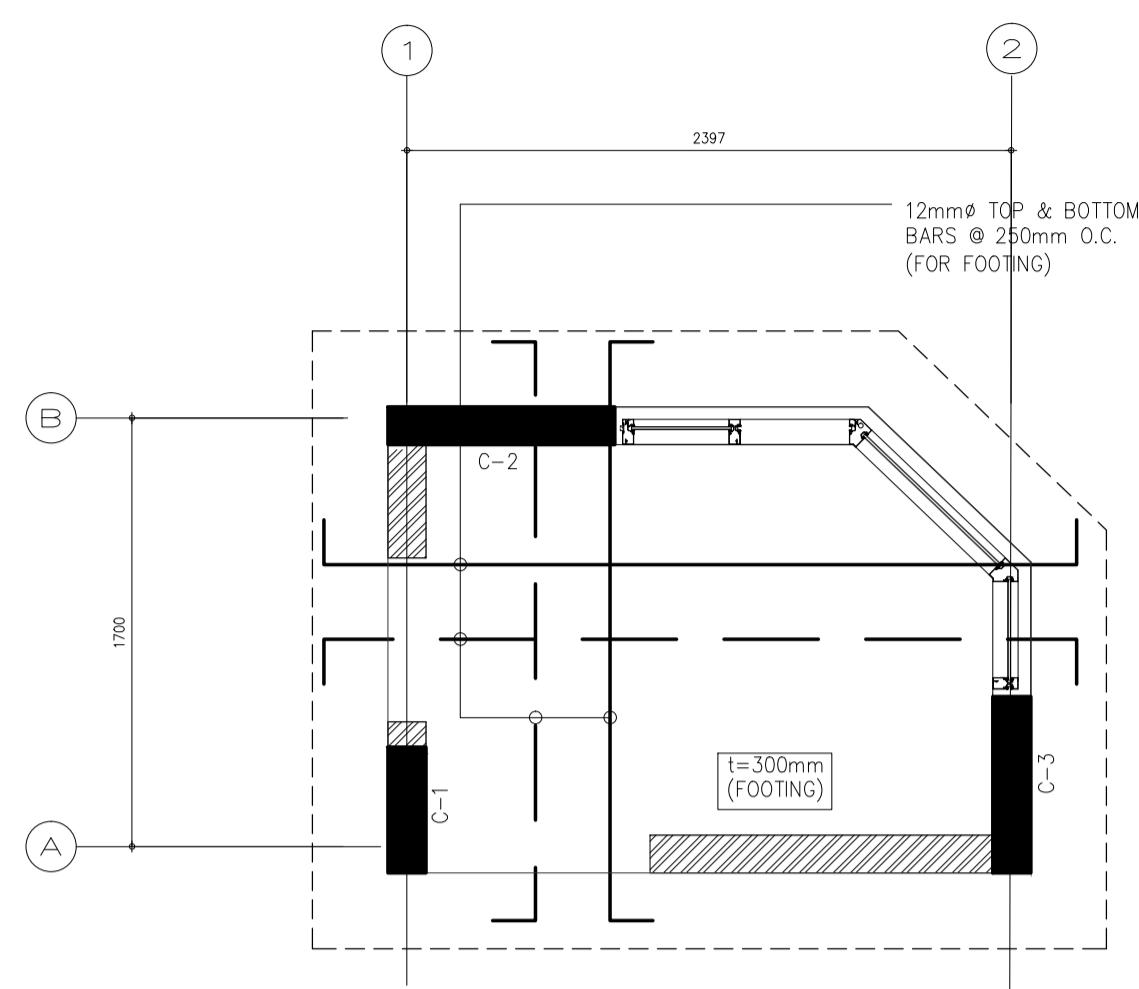
C SECTION @ C
 B53-4300-07 SCALE 1:20MTS.

D SECTION @ D
 B53-4300-07 SCALE 1:20MTS.

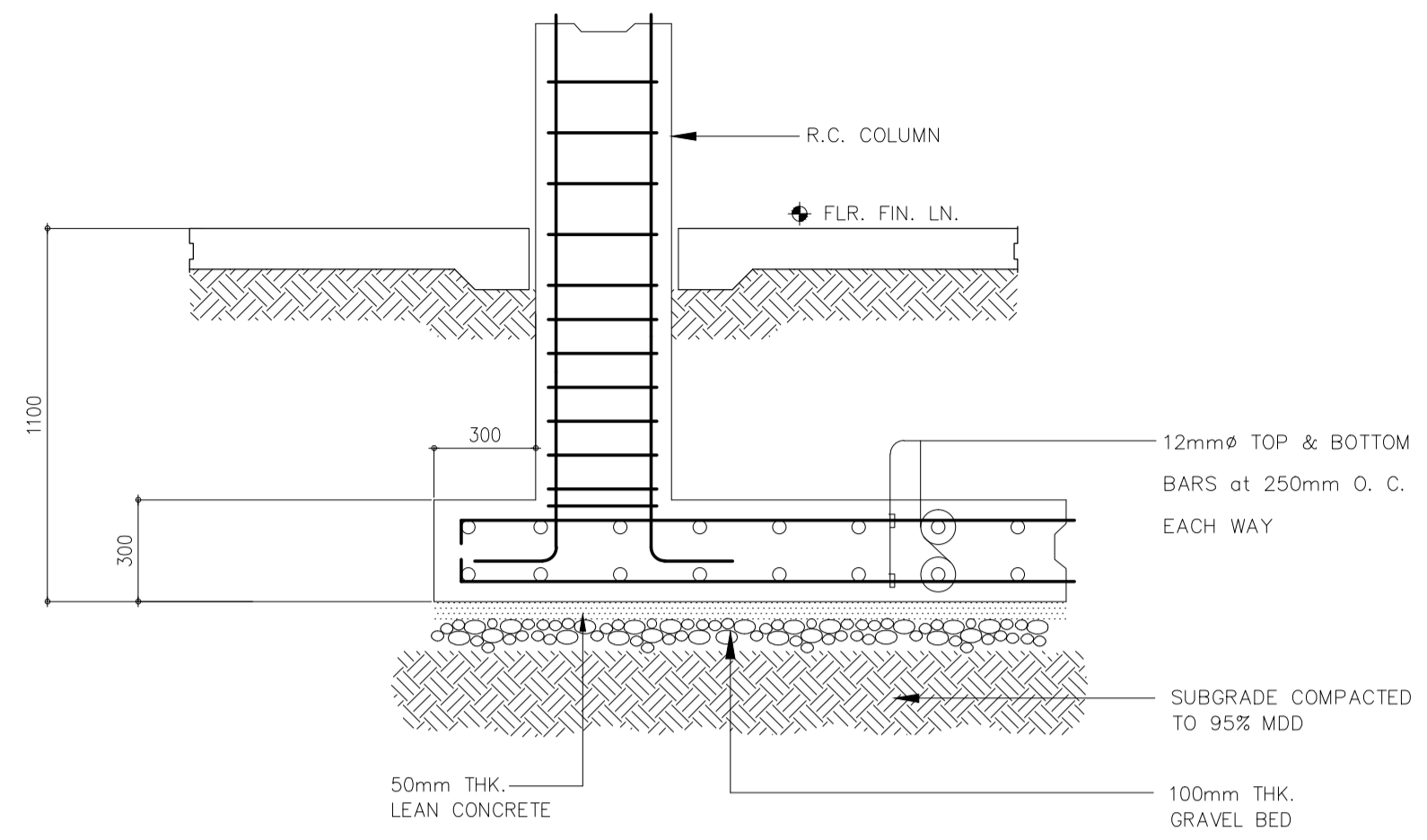


1 GUARD HOUSE I & 2 DETAIL SECTION
 B53-4300-07 SCALE 1:20MTS.

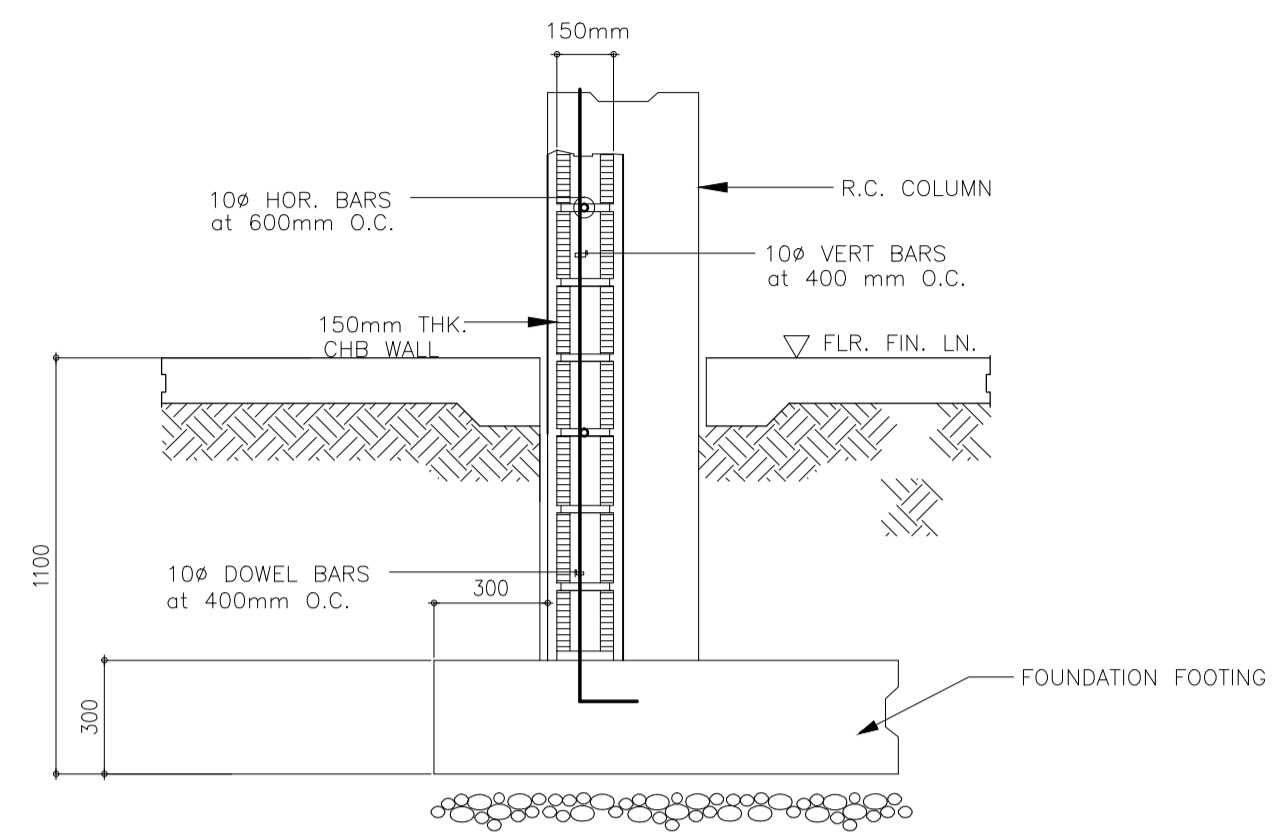
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF. Architect PIR 3811137 RES. NO. 4623 DATE: MAY 9, 2013 TEL. 159-564-198 PLACE: MANAR CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLOA, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B53) GUARD HOUSE ARCHITECTURAL ELEVATION, DOORS AND WINDOWS SCHEDULE DETAIL SECTION, TOILET DETAIL PLAN, SECTION	SHEET NO: B53-4300-07 DRAWING SCALE: AS SHOWN



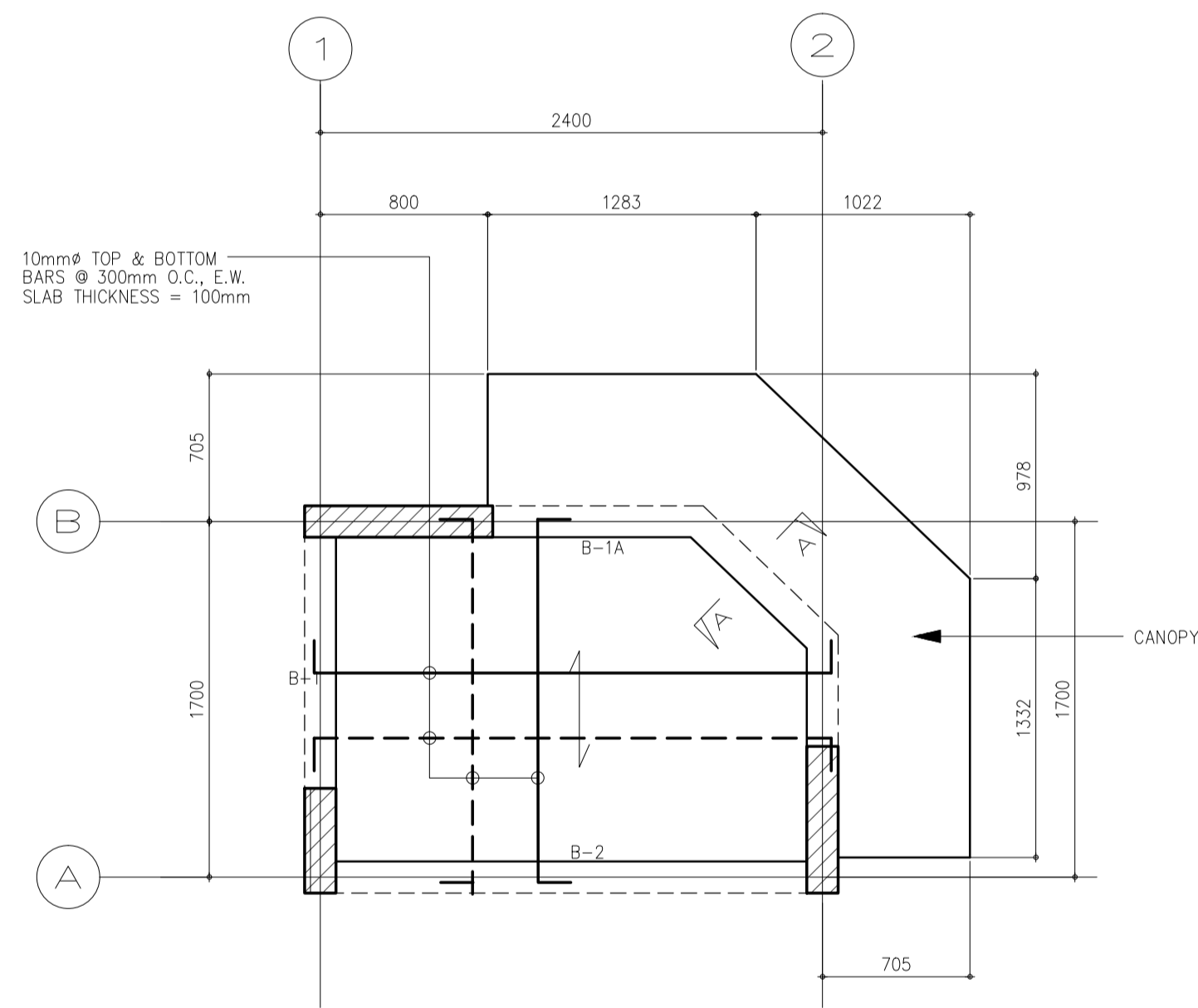
1 GUARDHOUSE 1 FOUNDATION PLAN
SCALE 1 : 30 MTS



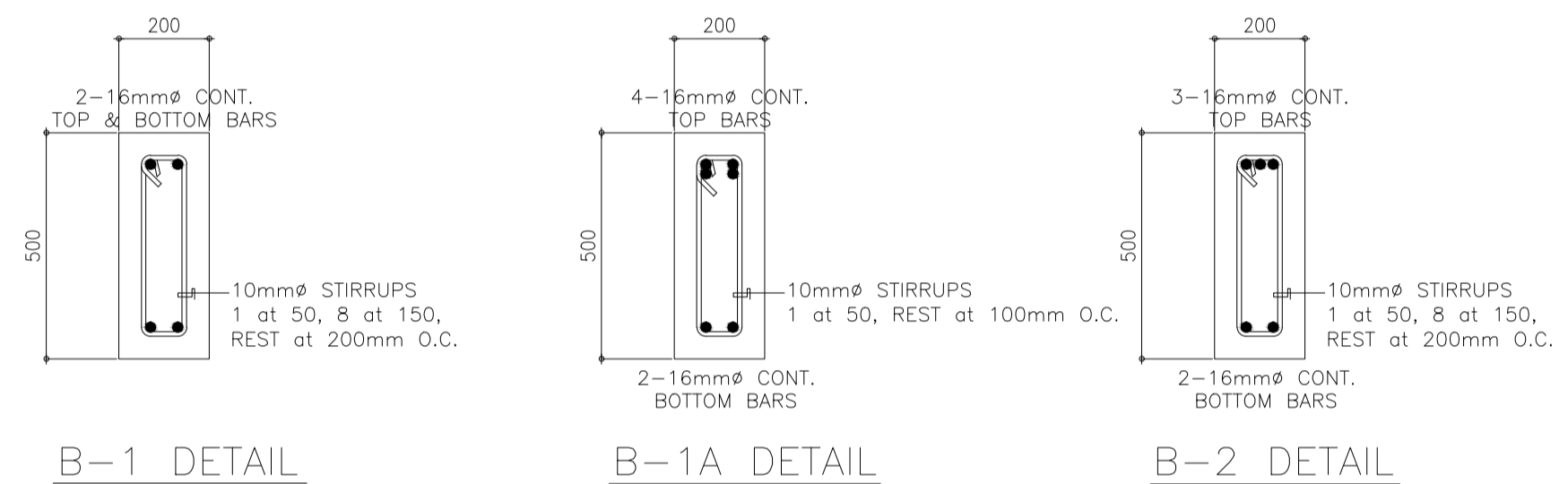
3 FOOTING DETAIL
SCALE 1 : 20 MTS



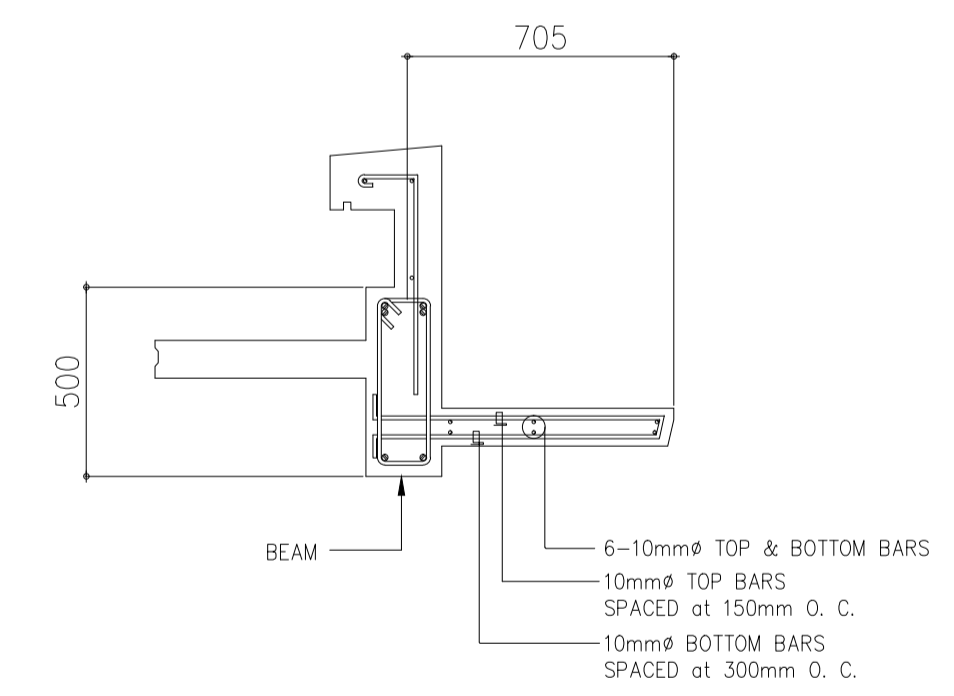
4 CHB WALL DETAIL
SCALE 1 : 20 MTS



2 GUARDHOUSE 1 ROOF FRAMING PLAN
SCALE 1 : 30 MTS



5 R.C. BEAM DETAIL
SCALE 1 : 15 MTS



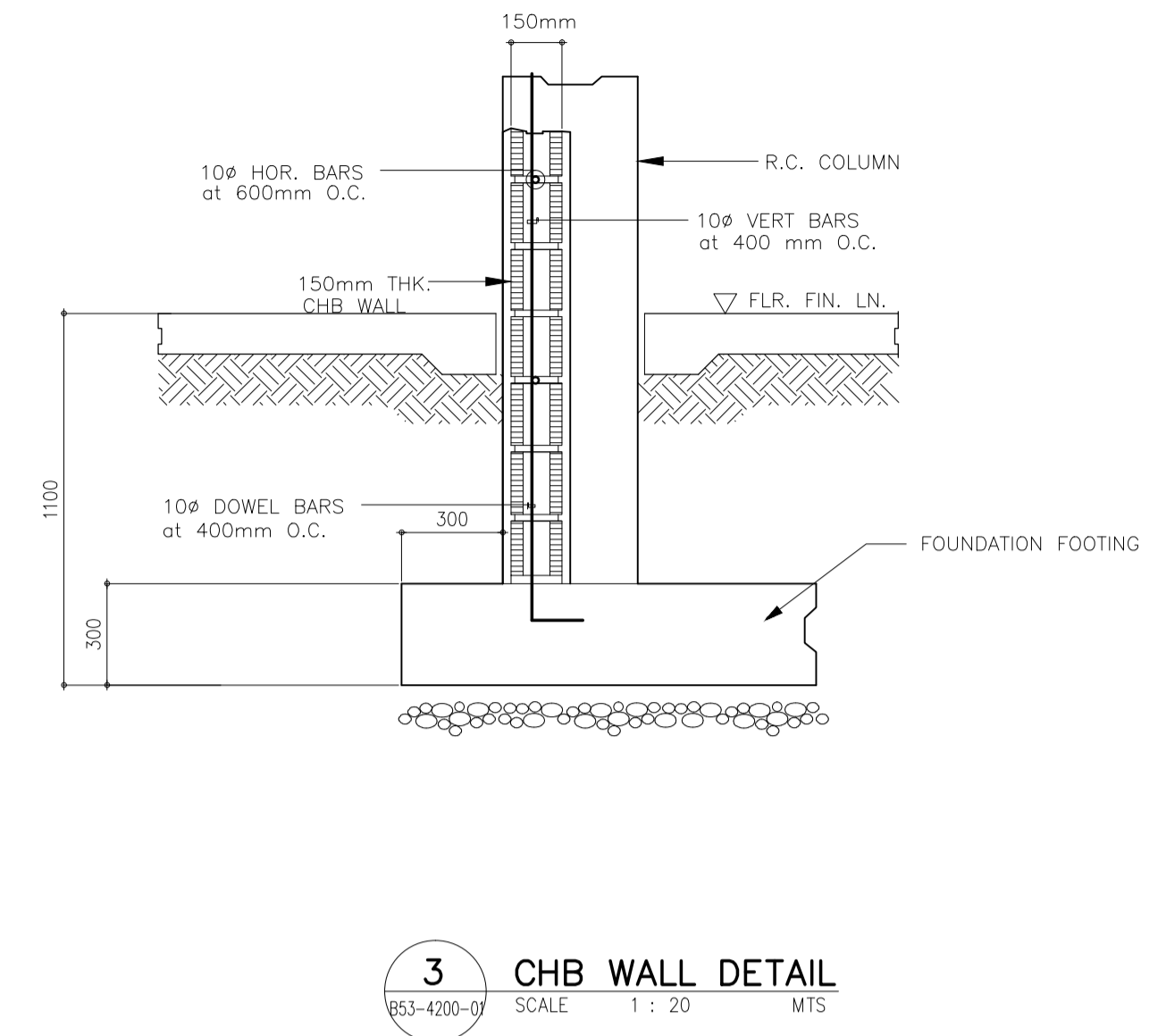
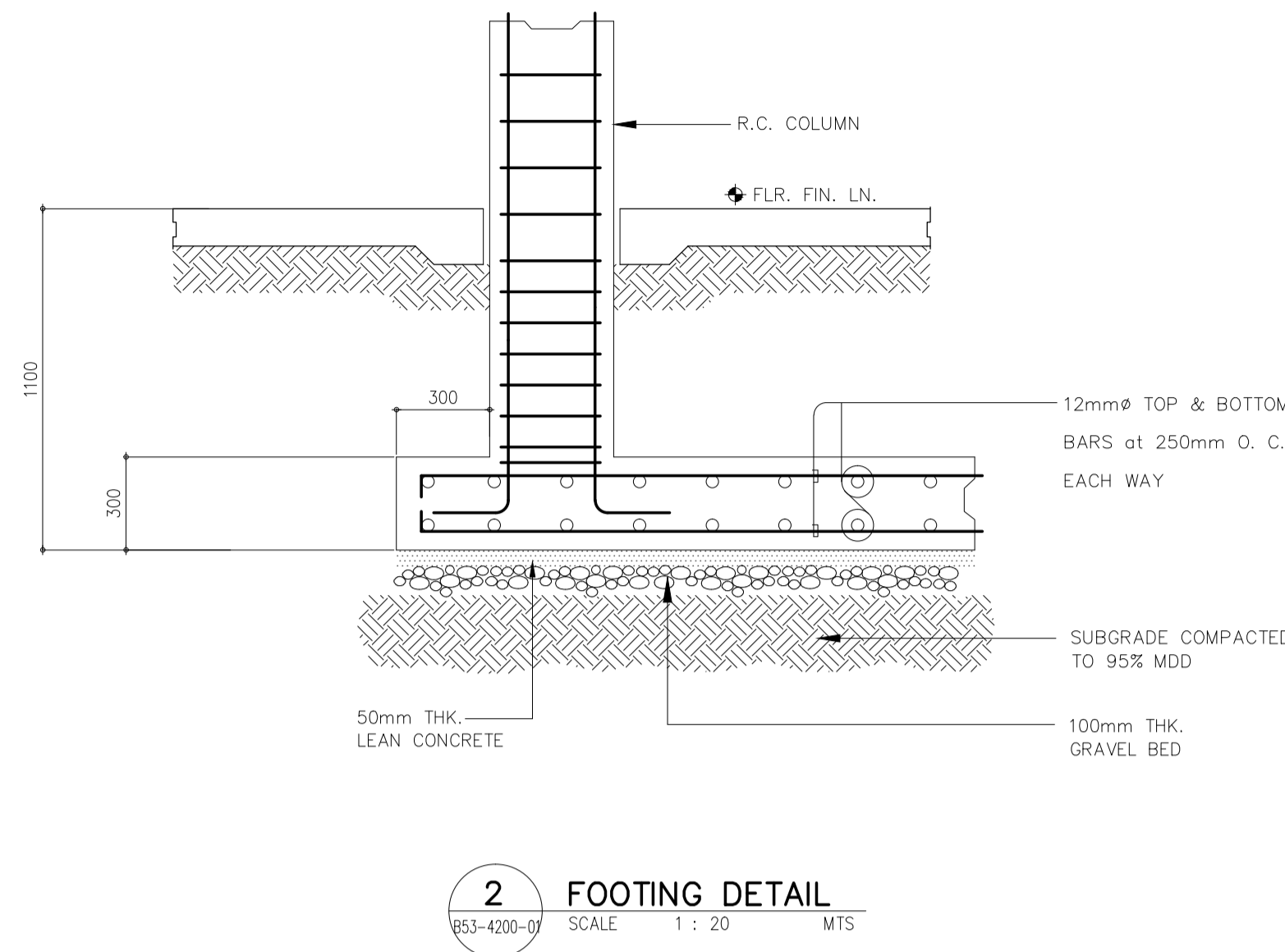
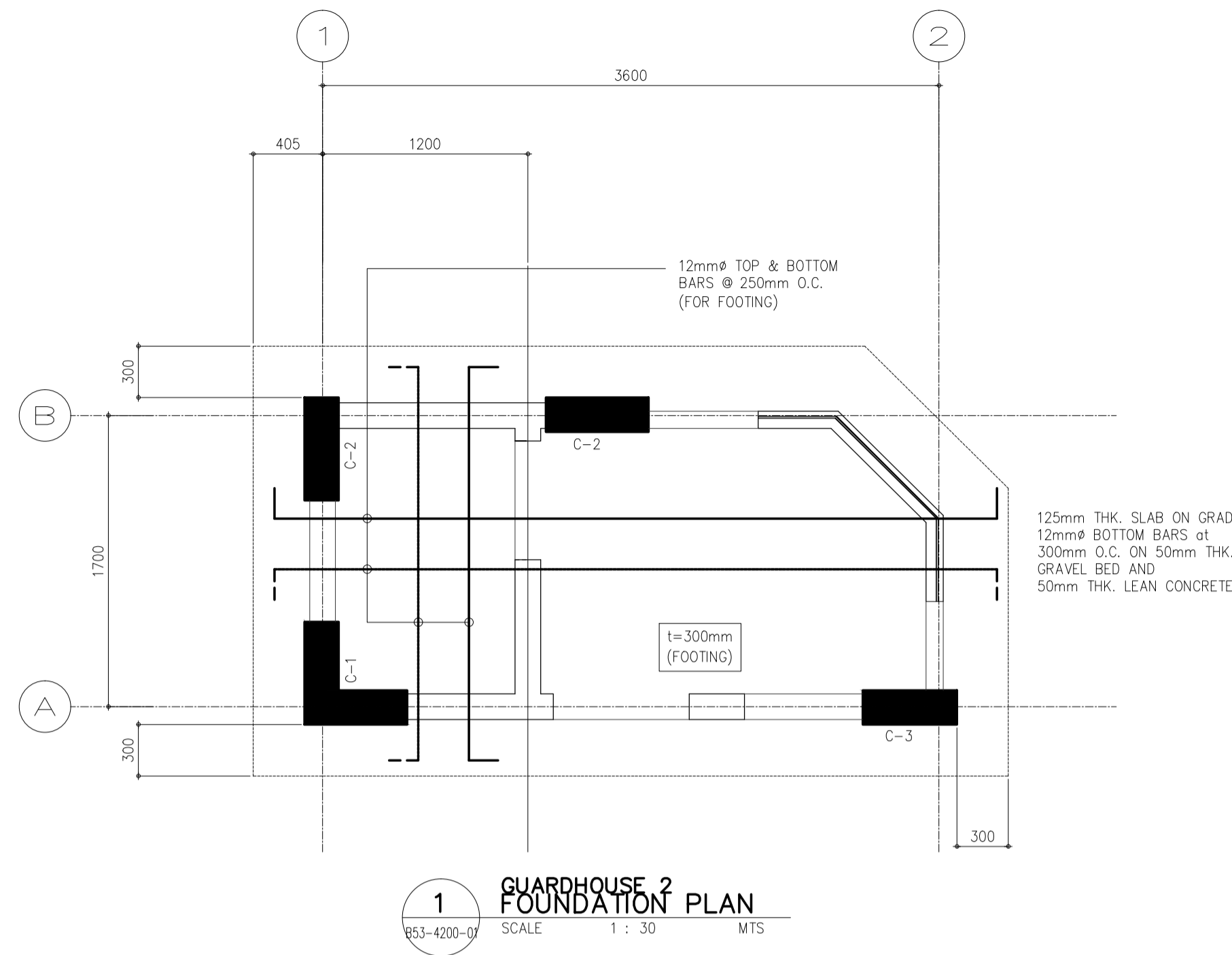
6 SECTION A-A PARAPET DETAILED
SCALE 1 : 20 MTS

GENERAL NOTES:

- CONCRETE COMPRESSIVE STRENGTH**
 $f'_c = 20.7 \text{ MPa}$ FOUNDATION, WALL FOOTINGS, SLAB-ON-FILL, LINTEL BEAMS
 $f'_c = 20.7 \text{ MPa}$ COLUMNS, BEAMS, SUSPENDED SLAB, FOOTING TIE BEAMS, STAIR, PARAPET
- REBARS YIELD STRENGTH**
 $f_y = 414 \text{ MPa}$ 16mm ϕ & LARGER
 $f_y = 276 \text{ MPa}$ 12mm ϕ & 10mm

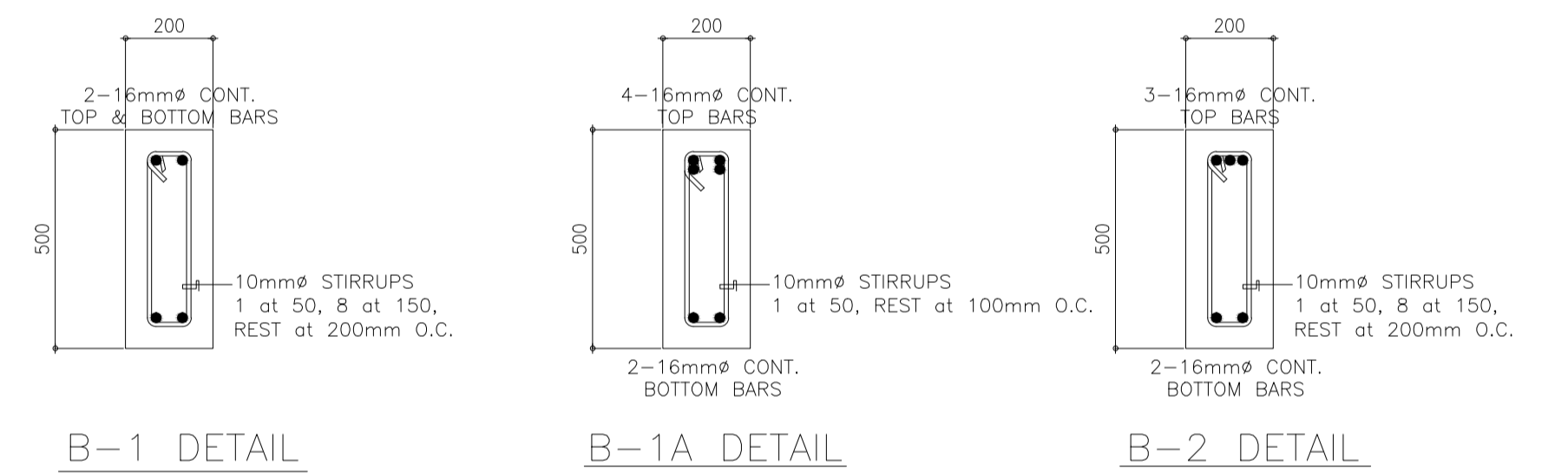
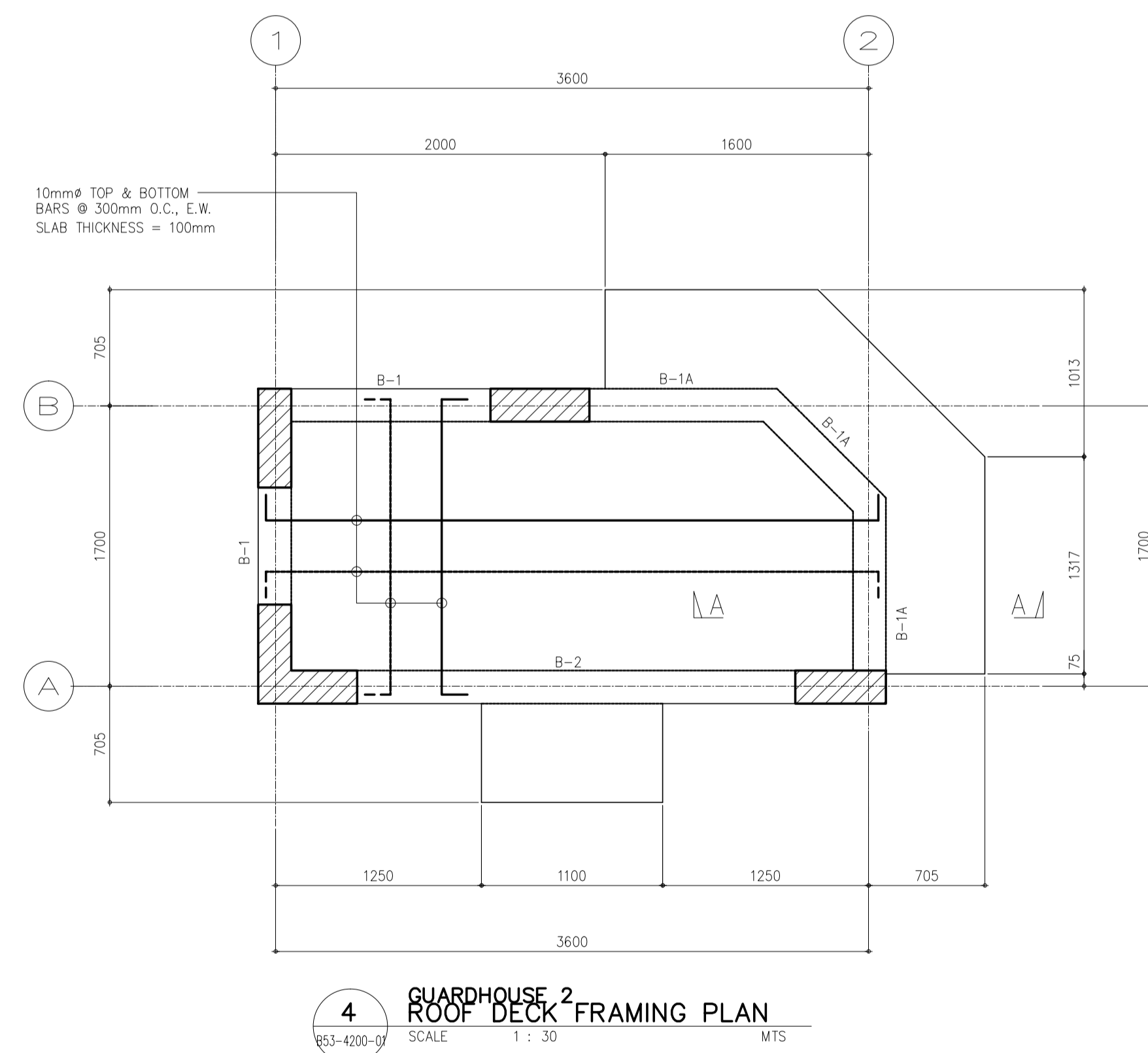
LEVEL/MARK	C1	C2	C3
GRD TO ROOF LEVEL	 200mm X 600mm 8-16mm ϕ VERTICAL BARS 2-10mm ϕ CLOSED TIES 1 at 50, 5 at 125 REST at 200mm O.C.	 200mm X 900mm 8-16mm ϕ VERTICAL BARS 2-10mm ϕ CLOSED TIES 1 at 50, 5 at 125 REST at 200mm O.C.	 200mm X 700mm 8-16mm ϕ VERTICAL BARS 2-10mm ϕ CLOSED TIES 1 at 50, 5 at 125 REST at 200mm O.C.

	PREPARED BY: EDGARDO C. CRUZ <small>PROF. CIVIL ENGINE PTR. 7589023B REG. NO.: 23983 DATE: JANUARY 03, 2013 TEL. 651-157-021 PLACE: QUEZON CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 : BUILDING WORKS (B) SUB-COMPONENT 4-5 : ANCILLARY BUILDINGS STRUCTURAL FOUNDATION PLAN ROOF FRAMING PLAN COLUMN, FOOTING & TIE BEAM DETAILS	SHEET NO: B53-4200-01 DRAWING SCALE: AS SHOWN
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	DATE INDEX AMENDMENTS JUNE 2013	Prepared by: FRS Jr. WIM IIC Checked by: Validated by:

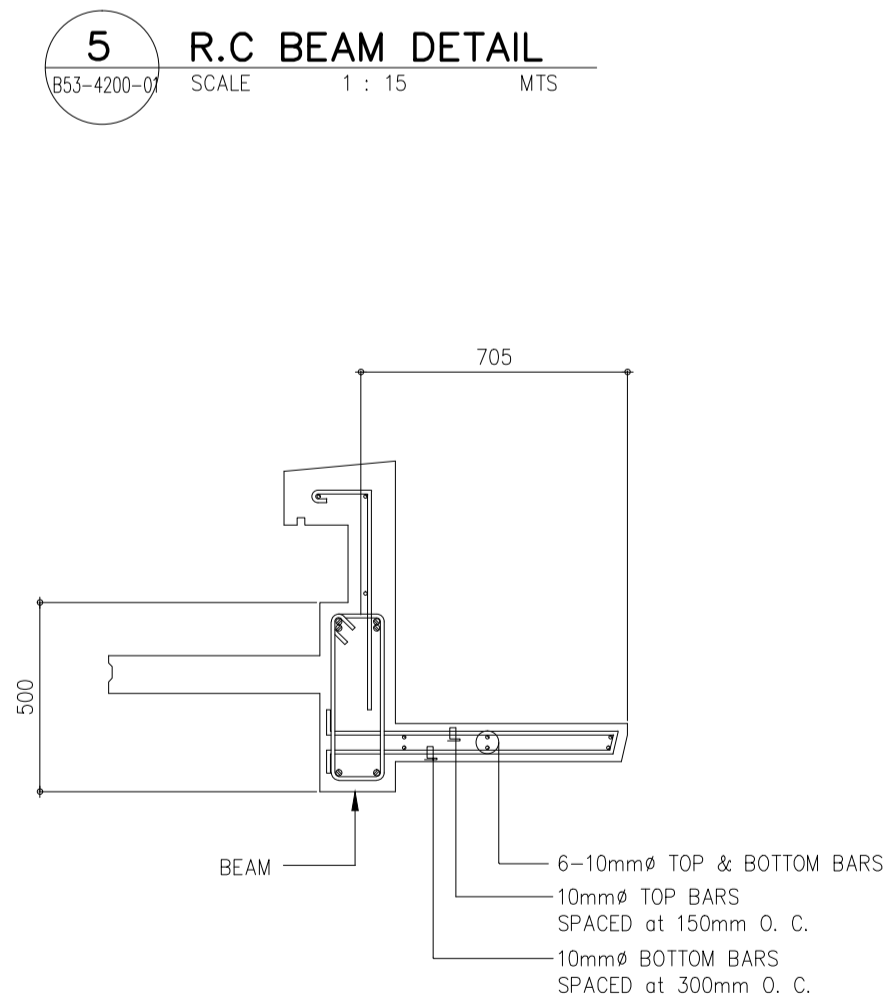


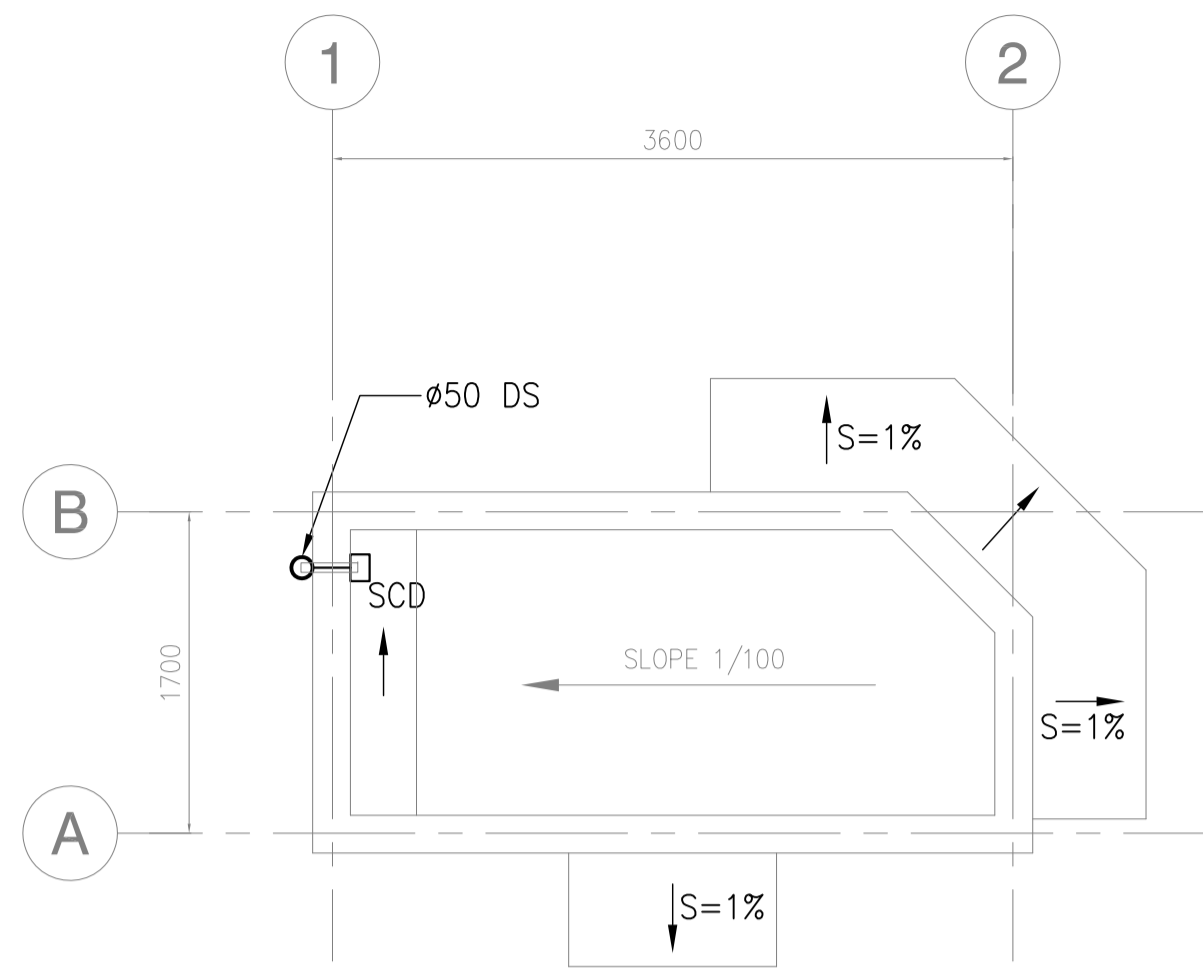
GENERAL NOTES:

- CONCRETE COMPRESSIVE STRENGTH
 $f'_c = 20.7 \text{ MPa}$
 - REBARS YIELD STRENGTH
 $f_y = 414 \text{ MPa}$
 $f_y = 276 \text{ MPa}$
- FOUNDATION, WALL FOOTINGS, SLAB-ON-FILL, LINTEL BEAMS
COLUMNS, BEAMS, SUSPENDED SLAB, FOOTING TIE BEAMS, STAIR, PARAPET
- 16mm & LARGER
12mm & 10mm

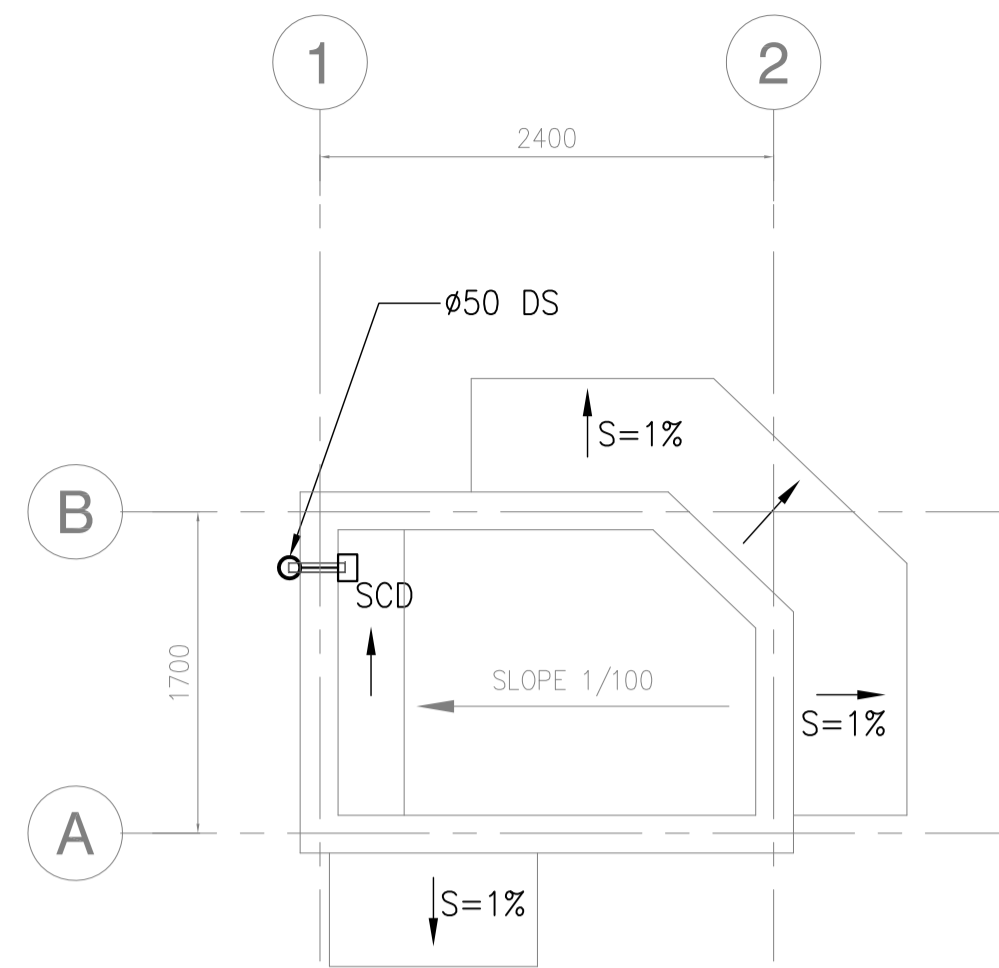


LEVEL/MARK	C1	C2	C3
GRD TO ROOF LEVEL	<p>12-12mm VERTICAL BARS 2 SETS-10mm CLOSED TIES 2 SETS-10mm SUPPL. TIES 1 at 50, 5 at 125 REST at 200mm O. C.</p>	<p>200mm X 600mm 8-12mm VERTICAL BARS 2-10mm CLOSED TIES 1 at 50, 5 at 125 REST at 200mm O. C.</p>	<p>200mm X 550mm 8-12mm VERTICAL BARS 2-10mm CLOSED TIES 1 at 50, 5 at 125 REST at 200mm O. C.</p>

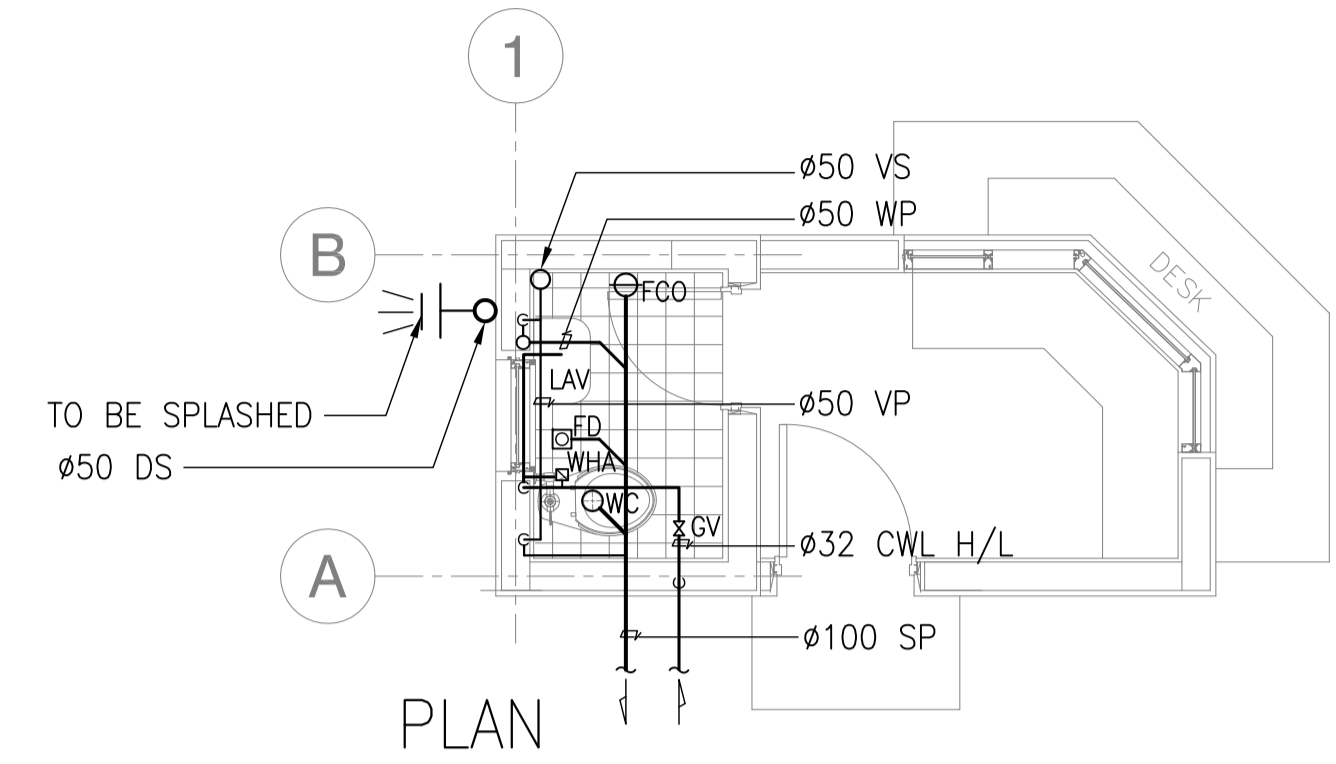




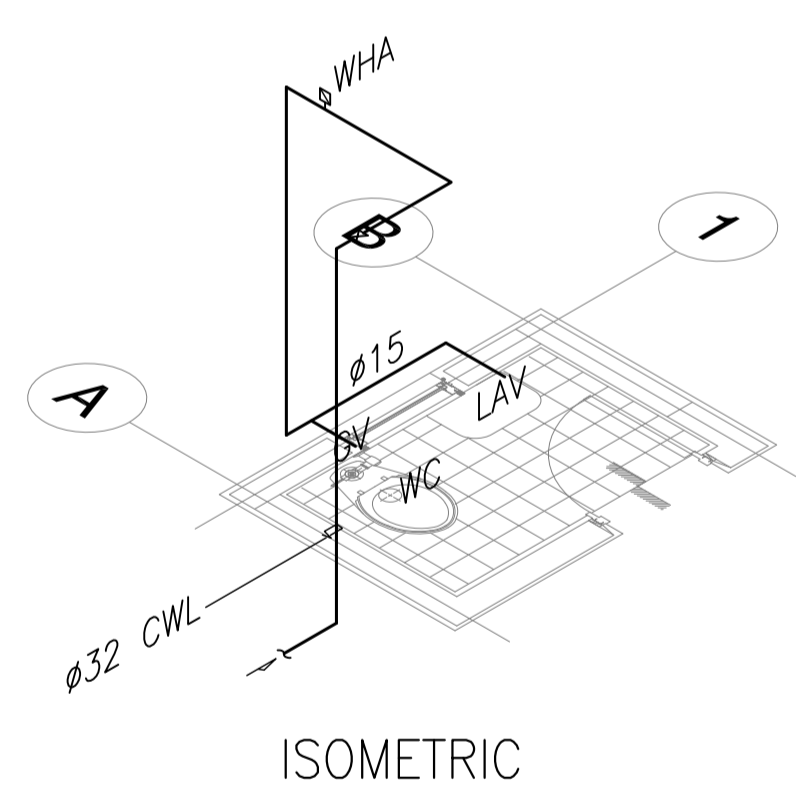
1 GUARDHOUSE 2
ROOF DRAINAGE LAYOUT (5 SETS)
B53-5100-01 SCALE 1:40M



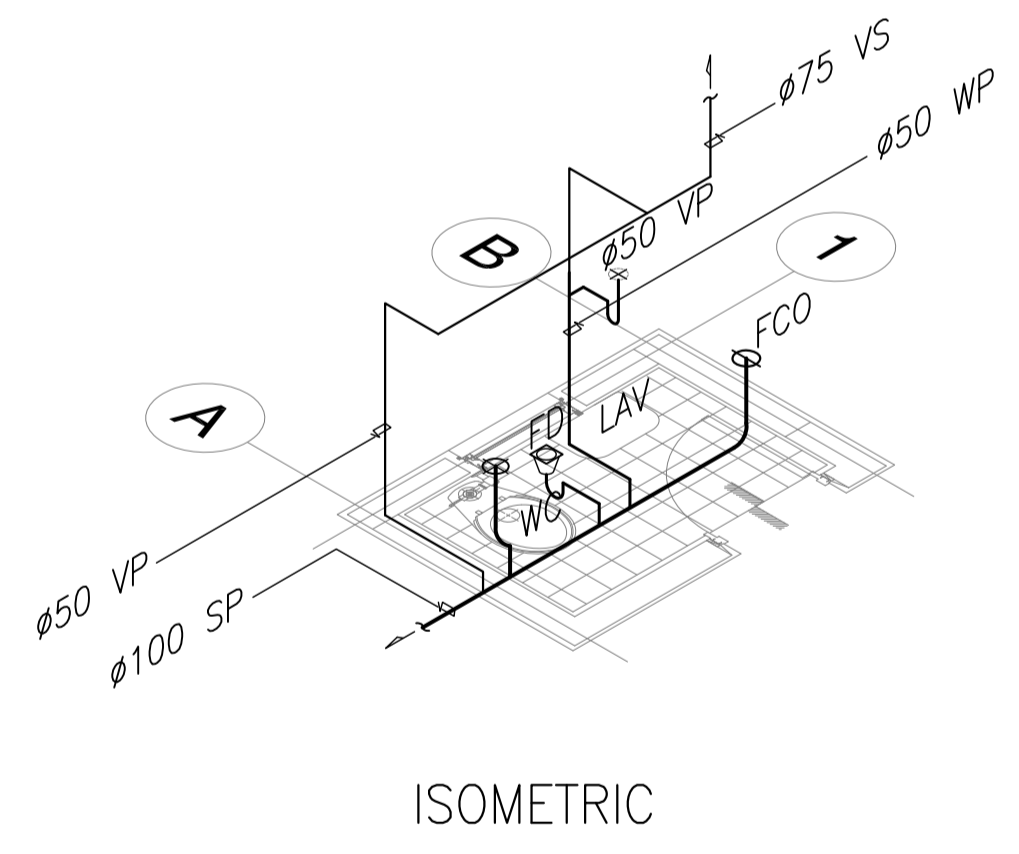
2 GUARDHOUSE 1
ROOF DRAINAGE LAYOUT (3 SETS)
B53-5100-01 SCALE 1:40M



3 GUARDHOUSE 1 TOILET
SANITARY & PLUMBING LAYOUT (5 SETS)
B53-5100-01 SCALE 1:40M



4 ISOMETRIC WATER LINE LAYOUT (5 SETS)
B53-5100-01 SCALE 1:40M



5 ISOMETRIC DRAINAGE LAYOUT (5 SETS)
B53-5100-01 SCALE 1:40M

SANITARY FIXTURE SCHEDULE:

SYMBOL	SANITARY FIXTURE NAME	REFERENCED MODEL NO.	Q'TY	REMARKS
WC-3	WATER CLOSET	-	1	
LAV-4	LAVATORY	-	1	
TPH	TOILET PAPER HOLDER	-	1	

NOTE : SANITARY FIXTURE SHALL HAVE MANUFACTURER'S STANDARD ACCESSORIES.

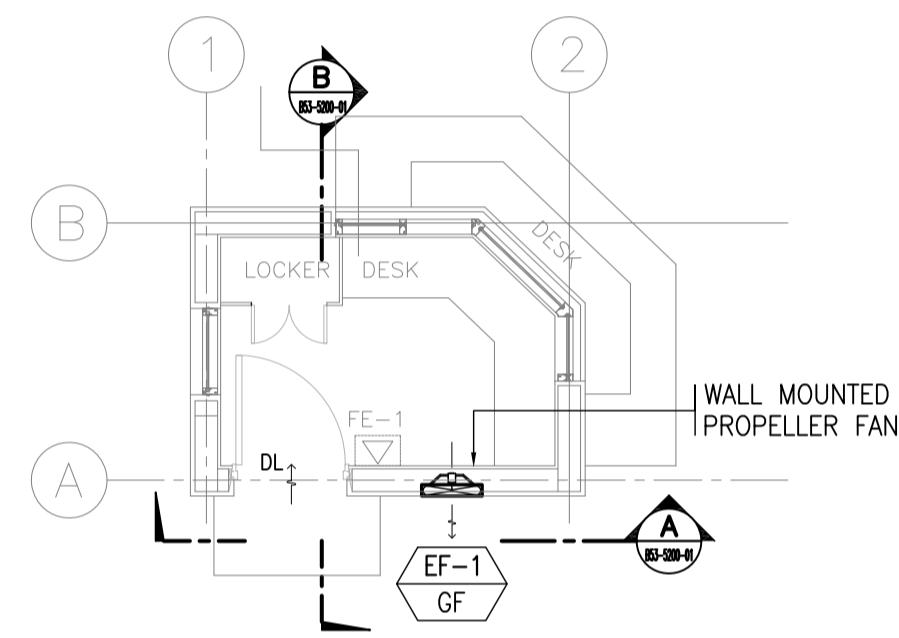
	PREPARED BY: LEOVIMEL J. VINELES <small>Philippine Registered Engineer</small> PROF: SANITARY ENGINEER PTR: 2024236 REG. NO: 0002435 DATE: 07-09-2013 T.I.N: 237-652-822-000 PLACE: MANILA	RECOMMENDING APPROVAL: 	APPROVED: 	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B53) GUARD HOUSE MECHANICAL SANITARY AND PLUMBING GH1&2 ROOF DRAINAGE LAYOUT, GH2 PLUM. LAYOUT WATER & DRAINAGE ISO LAYOUT & SAN. FIXTURE SCHED.	SHEET NO: B53-5100-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE: JUNE 2013 INDEX: AMENDMENTS: Prepared by: WIM Checked by: IIC Validated by:	DRAWING SCALE: 1:40M

GUARD HOUSES

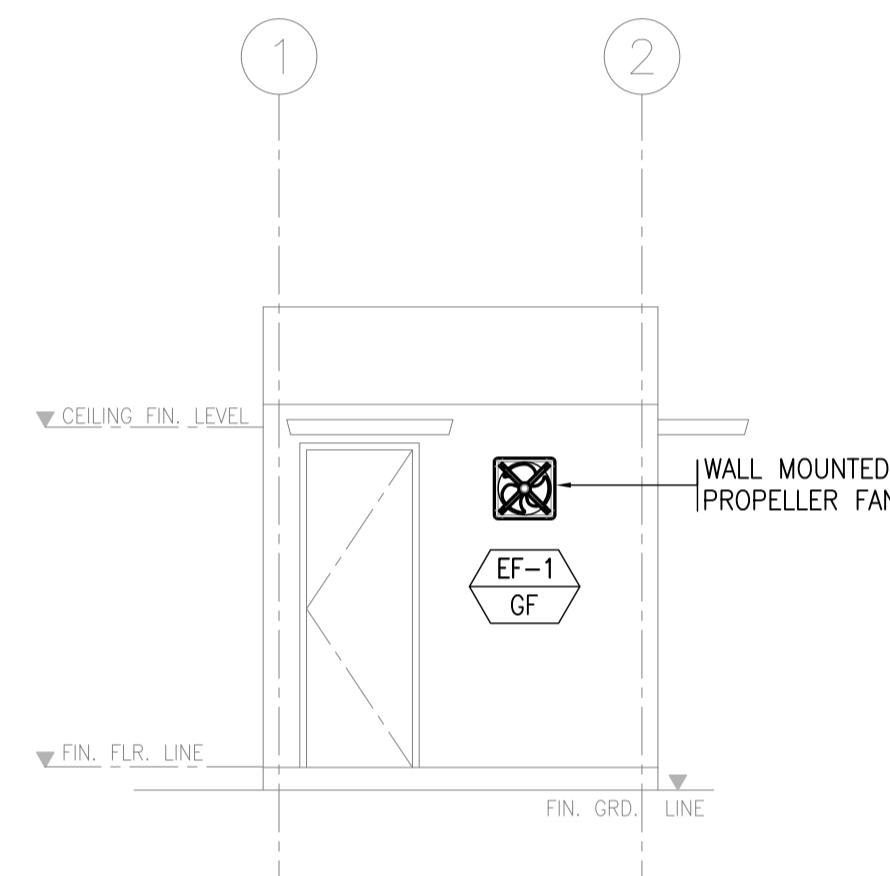
EXHAUST FAN:

UNIT DESIGNATION	EQUIPMENT	AREA SERVED	QUANTITY	EQUIPMENT AIRFLOW (lps)	STATIC PRESSURE (Pa)	POWER INPUT (W)	ELECTRICAL CHARACTERISTICS			TYPE OF FAN
							VOLTS	PHASE	HERTZ	
EF-1 GF	EXHAUST FAN	GUARD HOUSE 1	3	85	-	19	230	1	60	WALL MOUNTED PROPELLER FAN
EF-2 GF	EXHAUST FAN	GUARD HOUSE 2	5	85	-	19	230	1	60	WALL MOUNTED PROPELLER FAN
EF-3 GF	EXHAUST FAN	GUARD HOUSE 2	5	85	-	19	230	1	60	WALL MOUNTED PROPELLER FAN

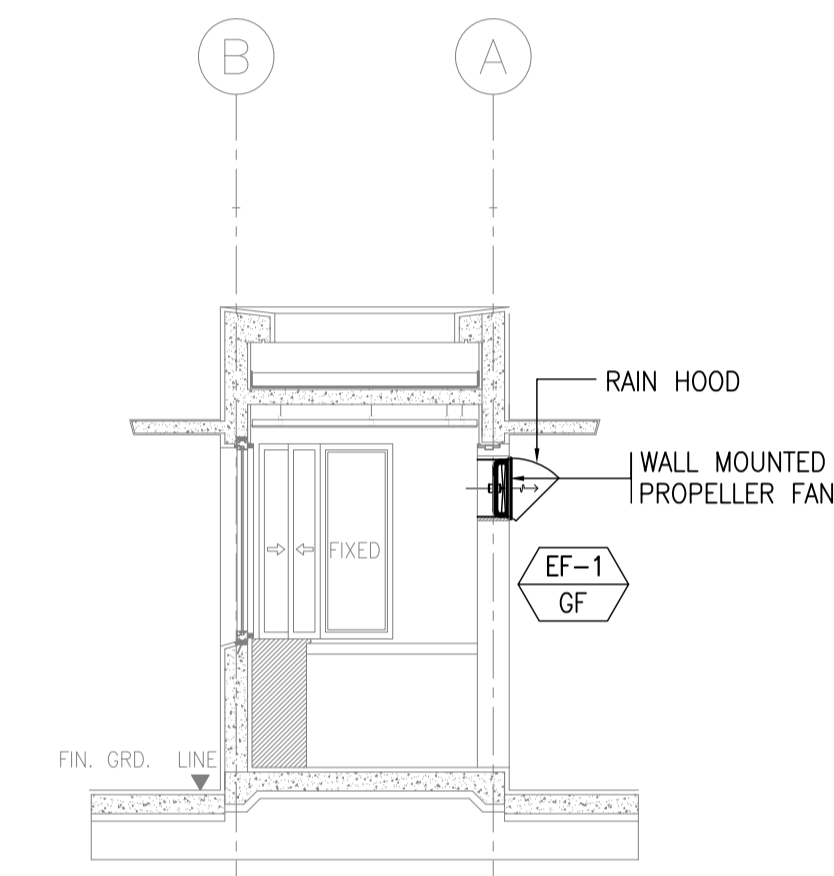
1 GUARD HOUSES EQUIPMENT SCHEDULE
 B53-5200-01 SCALE NTS



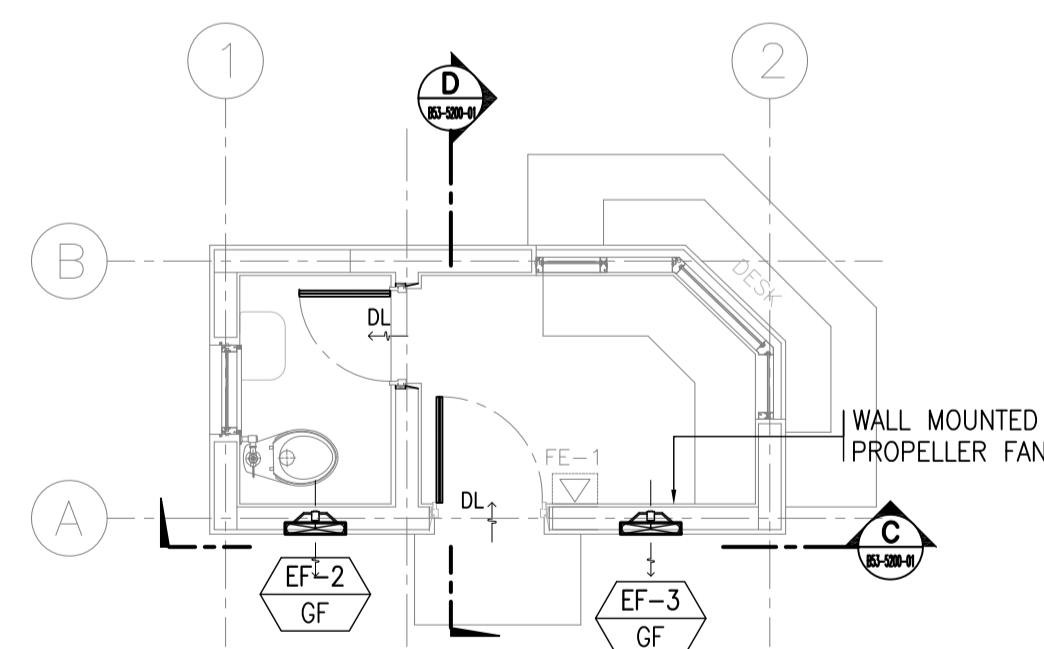
2 GUARD HOUSE 1 VENTILATION LAYOUT (3 SETS)
 B53-5200-01 SCALE 1:50M.



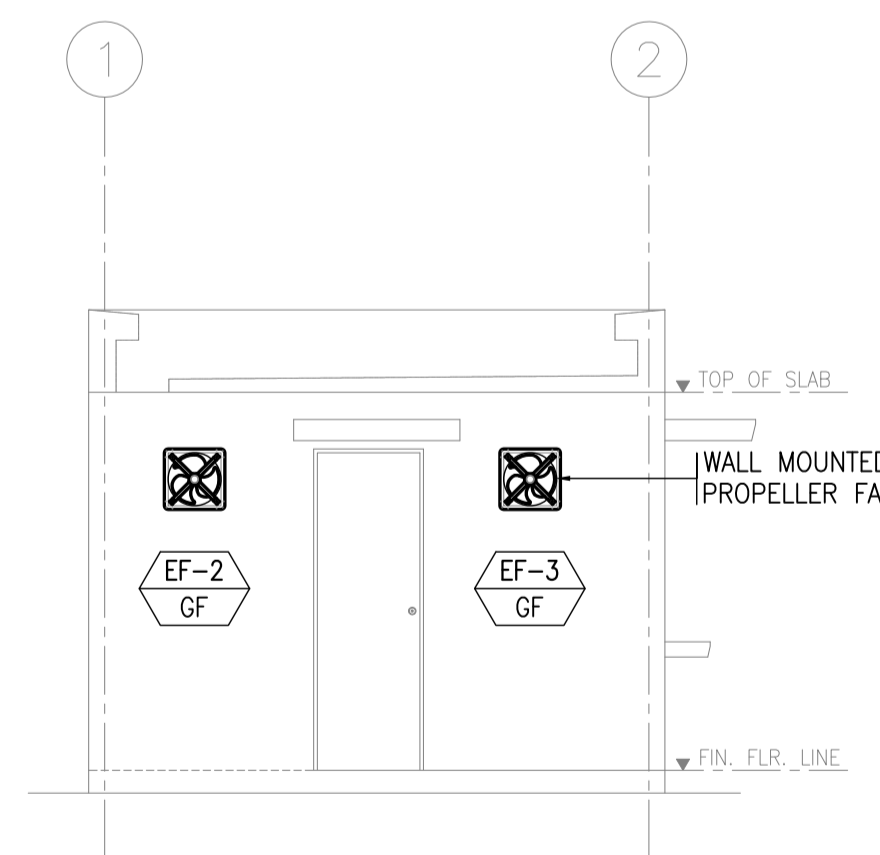
A GUARD HOUSE 1 SECTION "A"
 B53-5200-01 SCALE 1:50M.



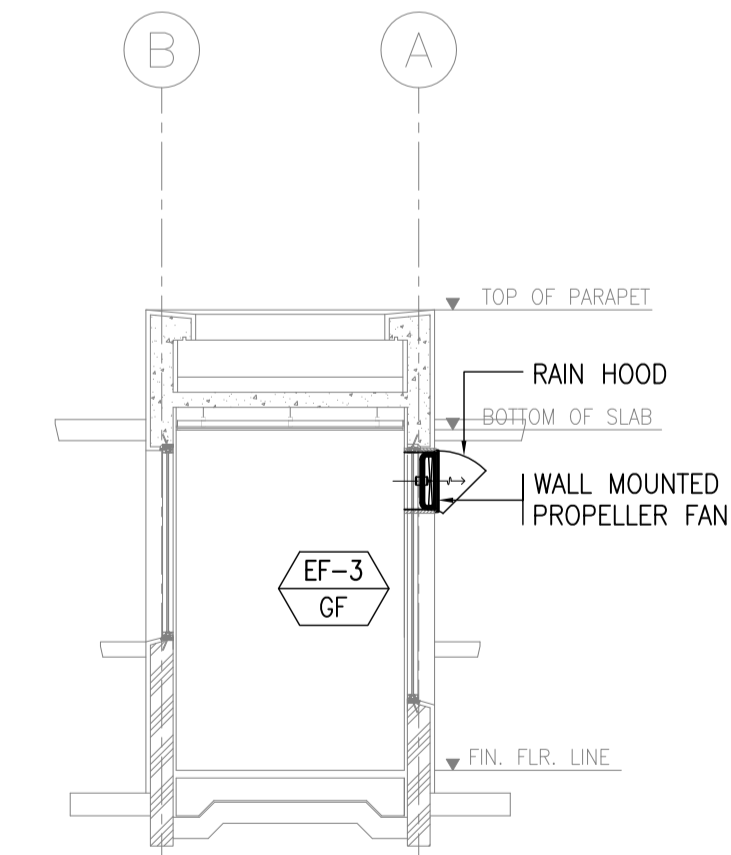
B GUARD HOUSE 1 SECTION "B"
 B53-5200-01 SCALE 1:50M.



3 GUARD HOUSE 2 VENTILATION LAYOUT (3 SETS)
 B53-5200-01 SCALE 1:50M.

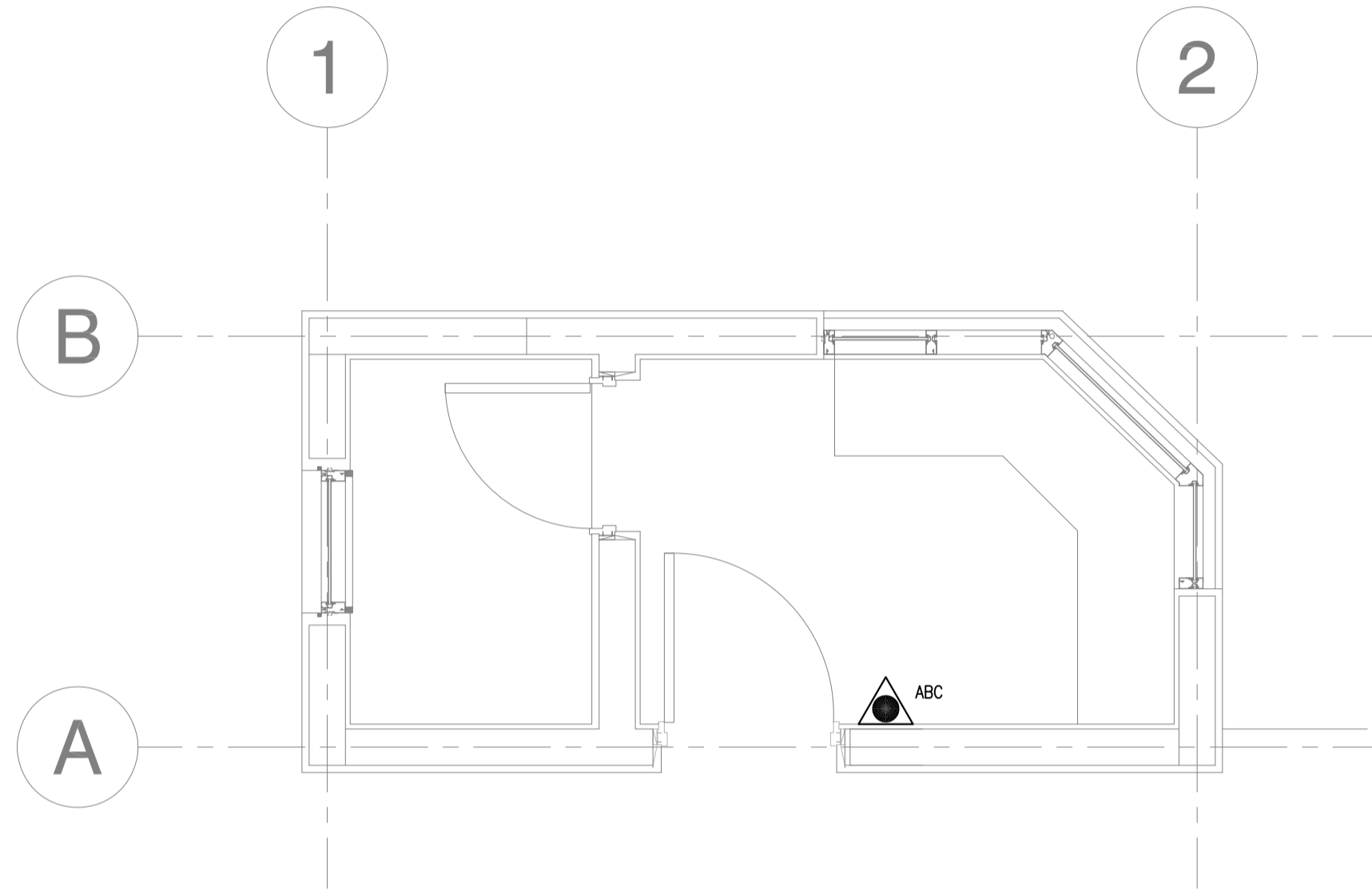


C GUARD HOUSE 2 SECTION "C"
 B53-5200-01 SCALE 1:50M.



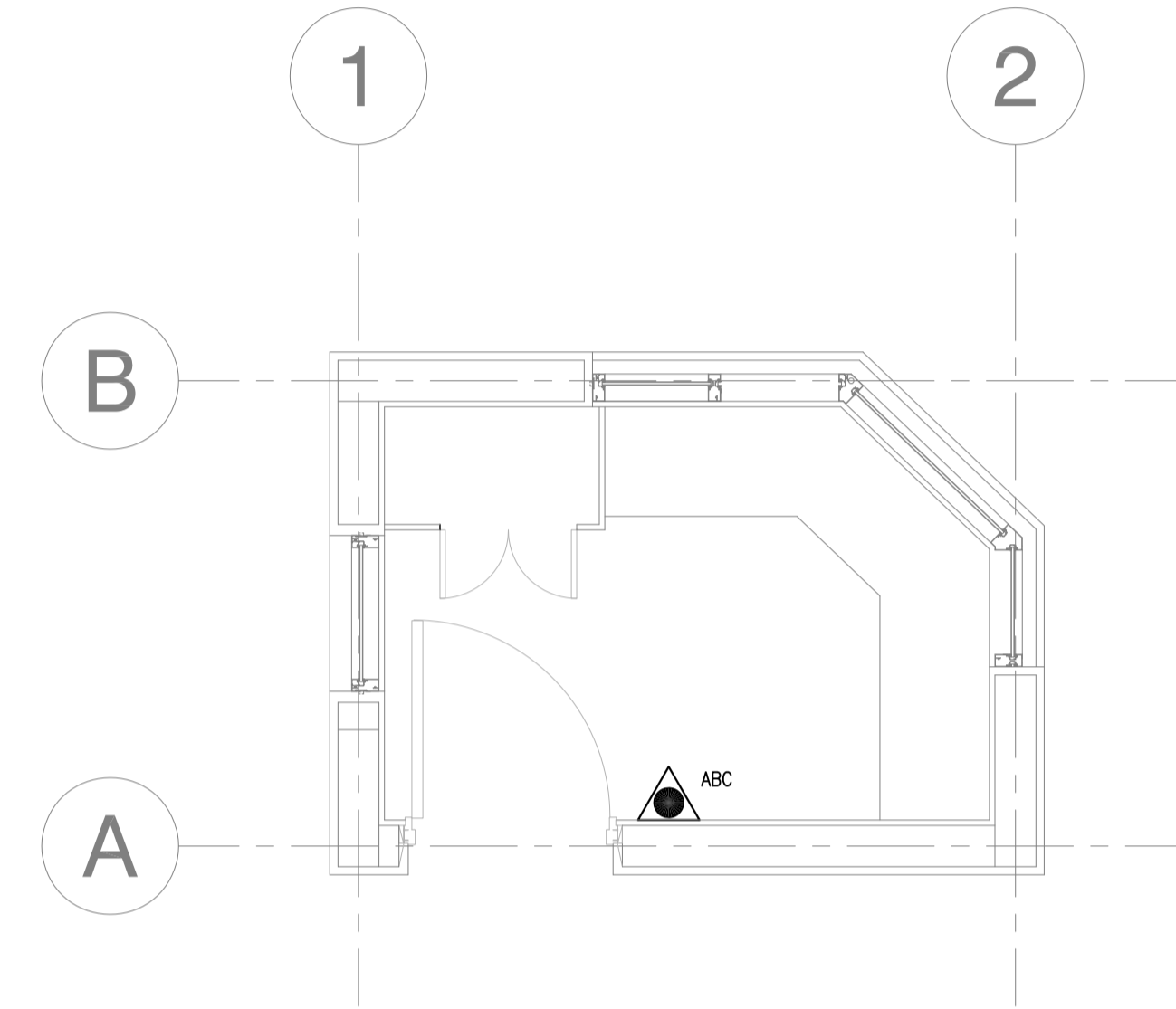
D GUARD HOUSE 2 SECTION "D"
 B53-5200-01 SCALE 1:50M.

	PREPARED BY: RENATO A. ARRIOLA Filipino Registered Engineer PROF. MECHANICAL ENGINEER PIR. 1725187 REG. NO. 2379 DATE: JANUARY 01, 2013 TIN. 150-563-379 PLACE: TAGUIG CITY	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B53) GUARD HOUSE	SHEET NO: B53-5200-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NJS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	MECHANICAL VENTILATION AND AIR-CONDITIONING VENTILATION AND AIR-CONDITIONING AS SHOWN



1
B53-5300-01 SCALE 1:25M

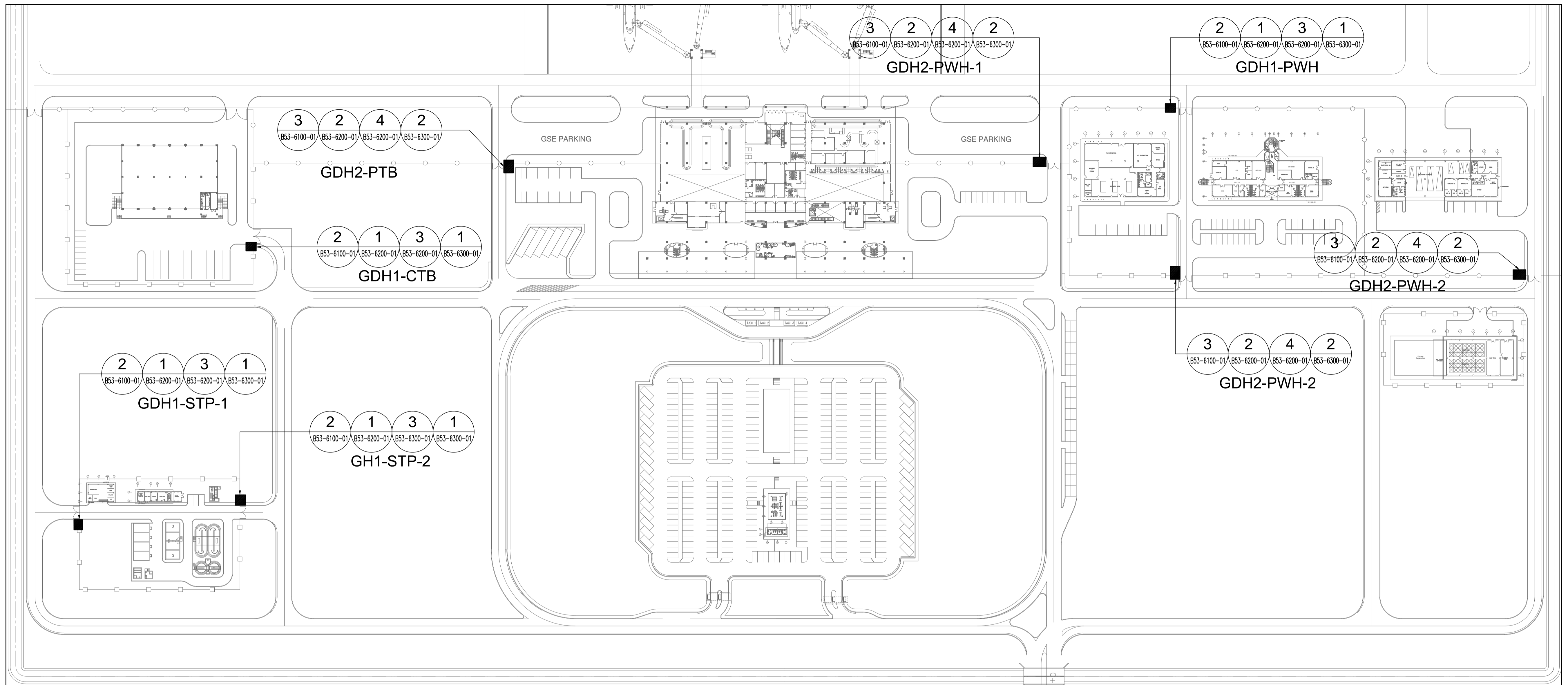
**GUARD HOUSE 1
FIRE PROTECTION LAYOUT (3 SETS)**



2
B53-5300-01 SCALE 1:25M

**GUARD HOUSE 2
FIRE PROTECTION LAYOUT (5 SETS)**

	PREPARED BY: RENATO A. ARRIOLA <small>Filipino Registered Engineer</small> <small>PROF. MECHANICAL ENGINEER PTR. 1725187</small> <small>REG. NO. 2379 DATE: JANUARY 08, 2013</small> <small>T.I.N. 150-563-379 PLACE: TAGBILAR CITY</small>	RECOMMENDING APPROVAL: 	APPROVED: 	PROJECT TITLE: 	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B53) GUARD HOUSE MECHANICAL FIRE PROTECTION GUARD HOUSES FIRE PROTECTION LAYOUT	SHEET NO: B53-5300-01 DRAWING SCALE: 1:25M
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NK NIPPON KOEI CO., LTD. NJS NJS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX AMENDMENTS Prepared by WIM Checked by IIC Validated by



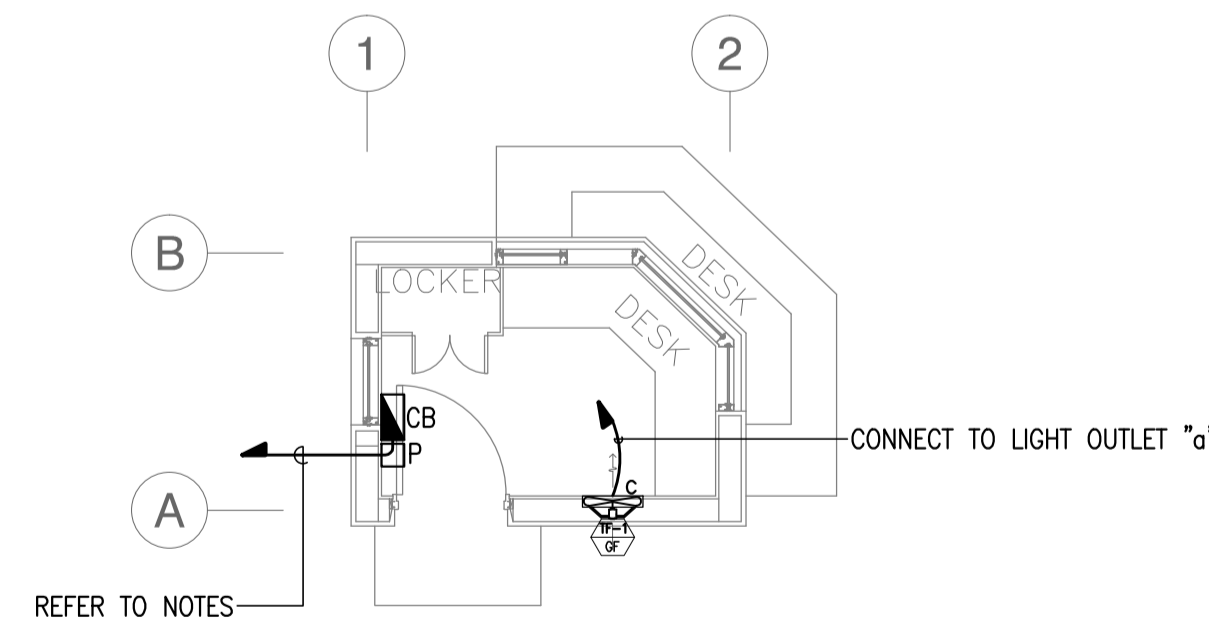
1 GUARD HOUSES LOCATION PLAN
 B53-6100-01 GRAPHIC SCALE
 1:1000 m

NOTES FOR POWER:

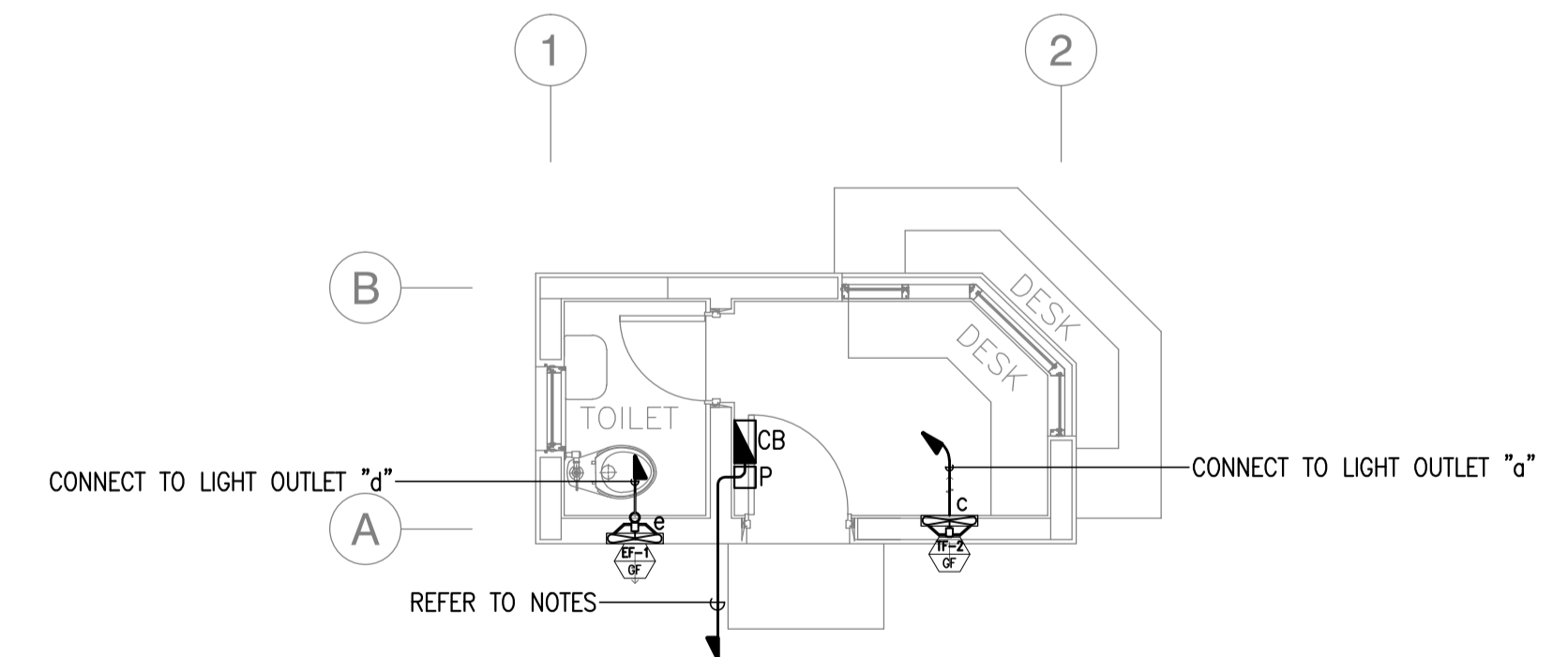
DESIGNATION	TAPPING POINT
GDH1-PWH	PPN-9 @ POWER HOUSE
GDH2-PWH-1	PPN-10 @ POWER HOUSE
GDH2-PWH-2	PPN-11 @ POWER HOUSE
GDH2-FSM	LPPN-11 @ FIRE STATION & MAINTENANCE BLDG.
GDH2-PTB	PPN1B-17 @ PASSENGER TERMINAL BLDG.
GDH1-CTB	LPPN-8 @ CARGO TERMINAL BLDG.
GDH1-STP-1	LPPN-6 @ SEWAGE TREATMENT PLANT BLDG.
GDH1-STP-2	LPPN-7 @ SEWAGE TREATMENT PLANT BLDG.

LEGEND:

- CB - 20AT, 100AF, 10kAIC 2P COM'L. TYPE CB IN NEMA-1 ENCLOSURE
- P - PULLBOX, 200mm(SQ.) x 150mm(D) GA. 16 NEMA-1 (FOR POWER ONLY)

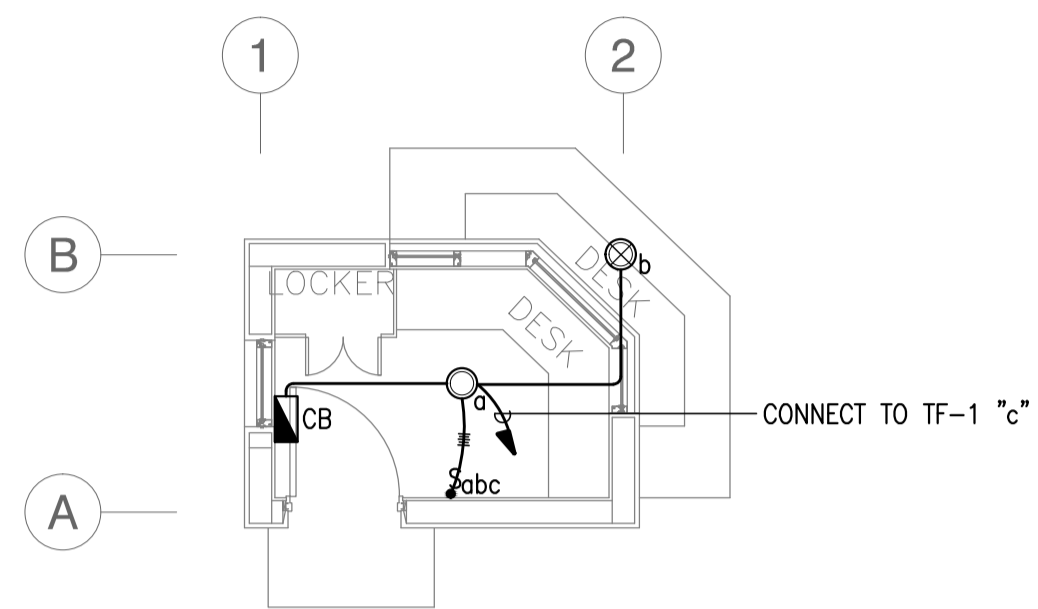


2 GUARD HOUSE-1 (TYPICAL) GDH-1 POWER FEEDER LAYOUT PLAN
 B53-6100-01 GRAPHIC SCALE
 1:50 m

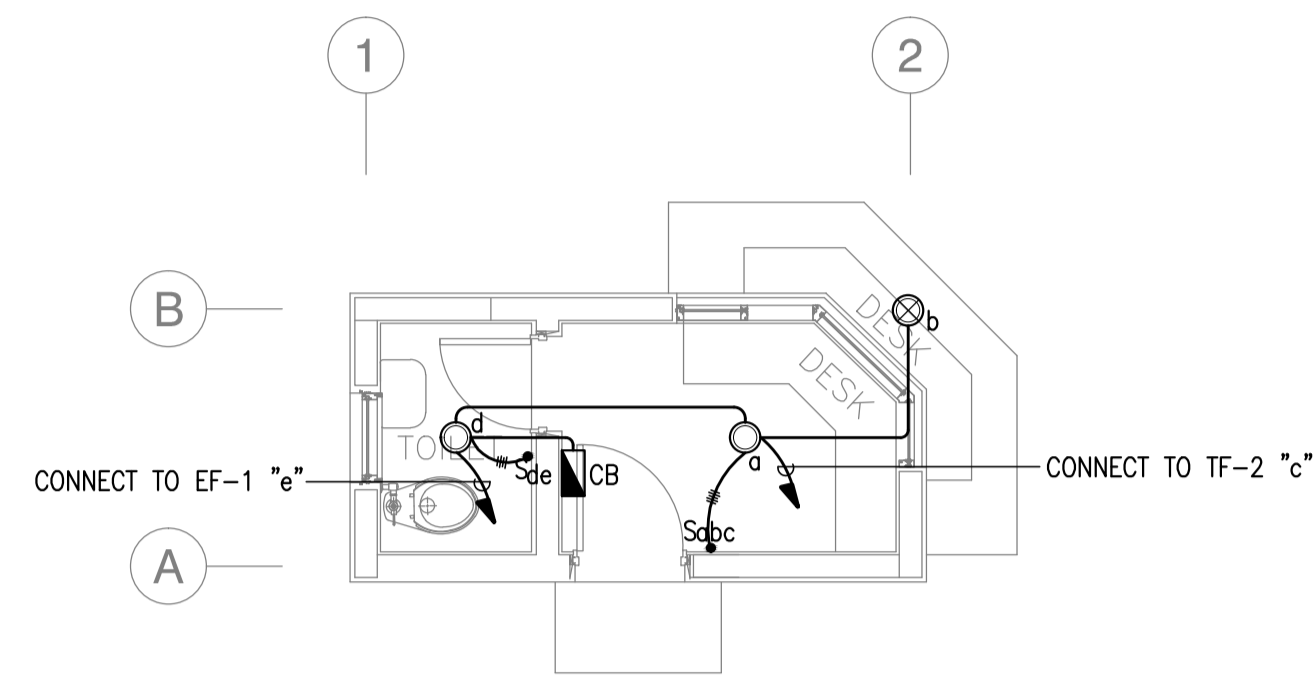


3 GUARD HOUSE-2 (TYPICAL) GDH-2 POWER FEEDER LAYOUT PLAN
 B53-6100-01 GRAPHIC SCALE
 1:50 m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.I.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B53) Guard House ELECTRICAL GDH 1 & 2 LOCATION PLAN	SHEET NO: B53-6100-01 DRAWING SCALE: AS SHOWN
	JICA DESIGN CONSULTANT JOINT VENTURE <small>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS</small>	TADASHI AOI <small>Team Leader</small>	JUN 2013 DATE INDEX AMENDMENTS Prepared by: WIM Checked by: HC Validated by:	JUNE 2013 DATE INDEX AMENDMENTS	SHEET NO: B53-6100-01 DRAWING SCALE: AS SHOWN	

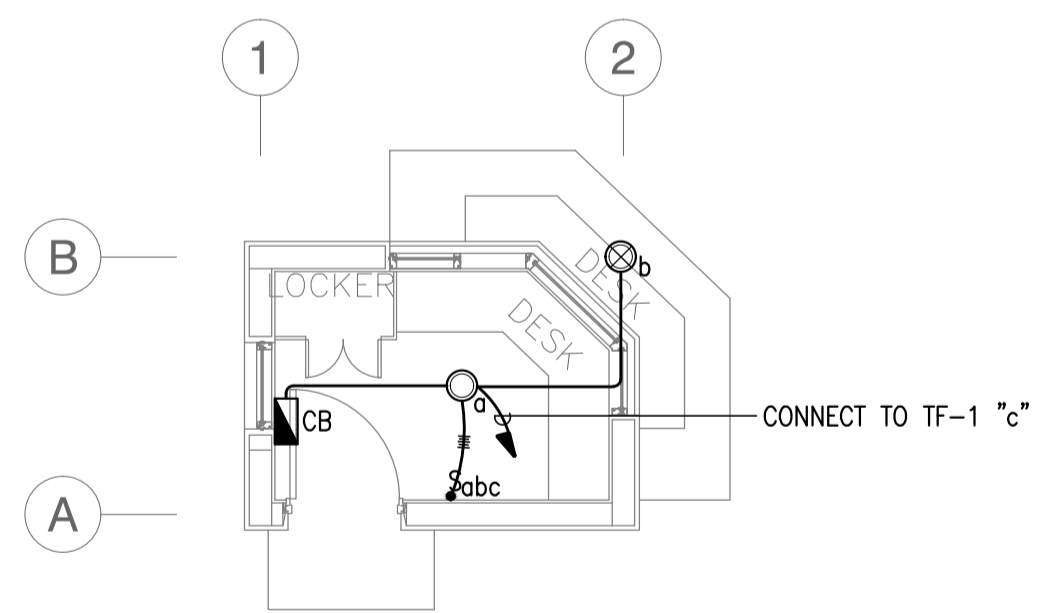


3 GUARD HOUSE-1 (TYPICAL)
GDH-1 LIGHTING LAYOUT PLAN
B53-6200-01 GRAPHIC SCALE 0 1 2m

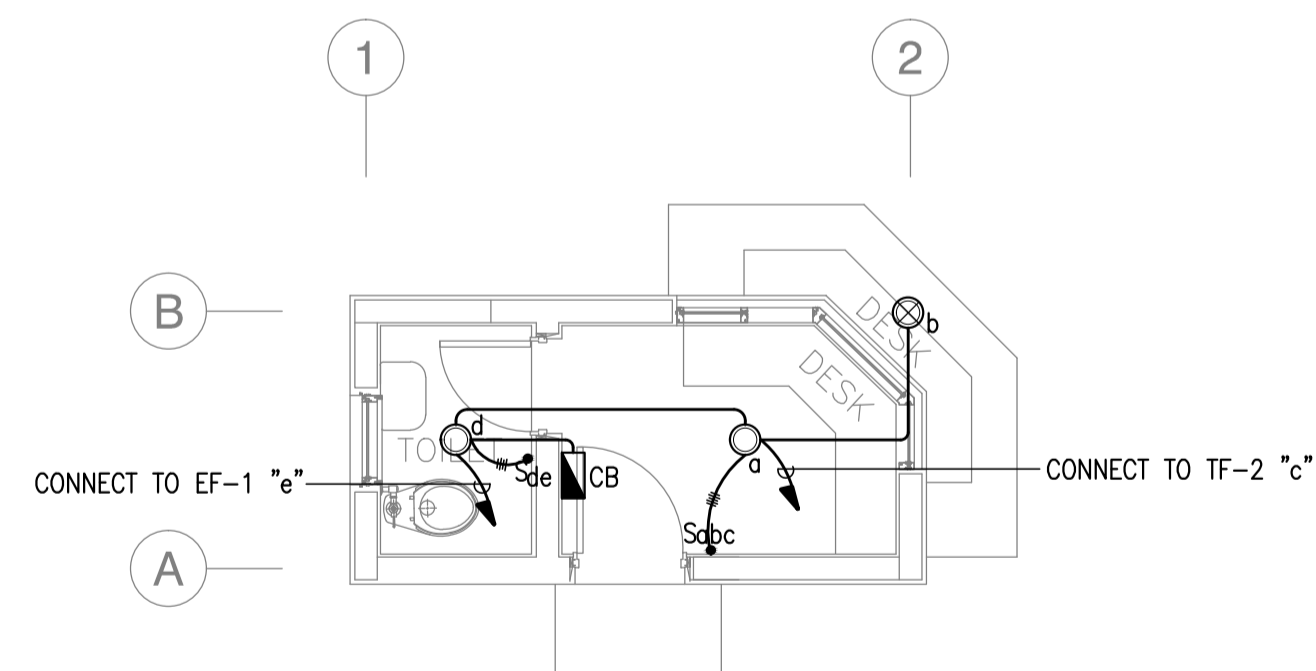


4 GUARD HOUSE-2 (TYPICAL)
GDH-2 LIGHTING LAYOUT PLAN
B53-6200-01 GRAPHIC SCALE 0 1 2m

- LEGEND:
- ⊕ - DUPLEX RECEPTACLE, 15A, 240V, PARALLEL BLADE GROUNDING SLOT
 - - 1 x 18W PLC (NORMAL SUPPLY)
 - ⊗ - 1 x 18W PLC, WEATHERPROOF (NORMAL SUPPLY)



3 GUARD HOUSE-1 (TYPICAL)
GDH-1 LIGHTING LAYOUT PLAN
B53-6200-01 GRAPHIC SCALE 0 1 2m



4 GUARD HOUSE-2 (TYPICAL)
GDH-2 LIGHTING LAYOUT PLAN
B53-6200-01 GRAPHIC SCALE 0 1 2m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N.A. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B53) Guard House ELECTRICAL RECEPTACLE AND LIGHTING LAYOUT	SHEET NO: B53-6200-01
	JICA DESIGN CONSULTANT JOINT VENTURE	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:

LEGEND:

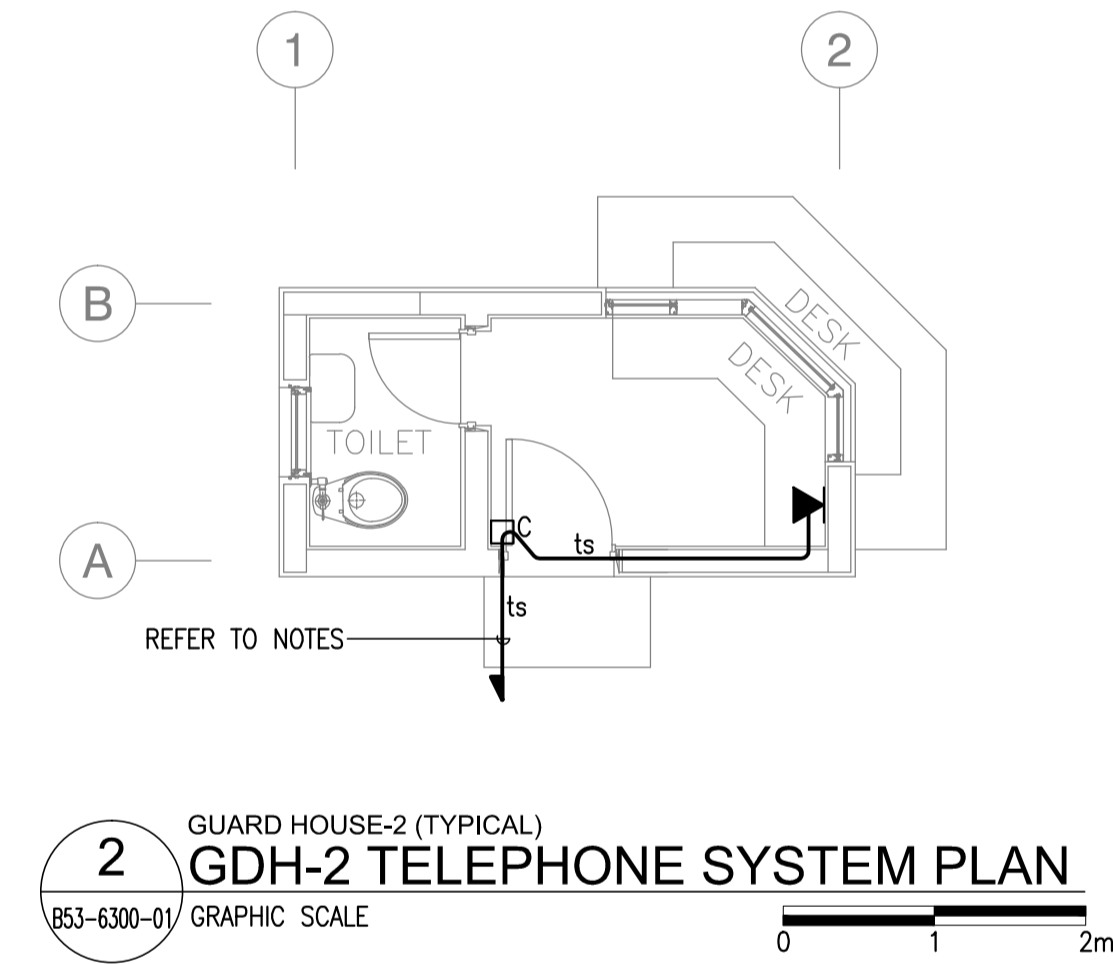
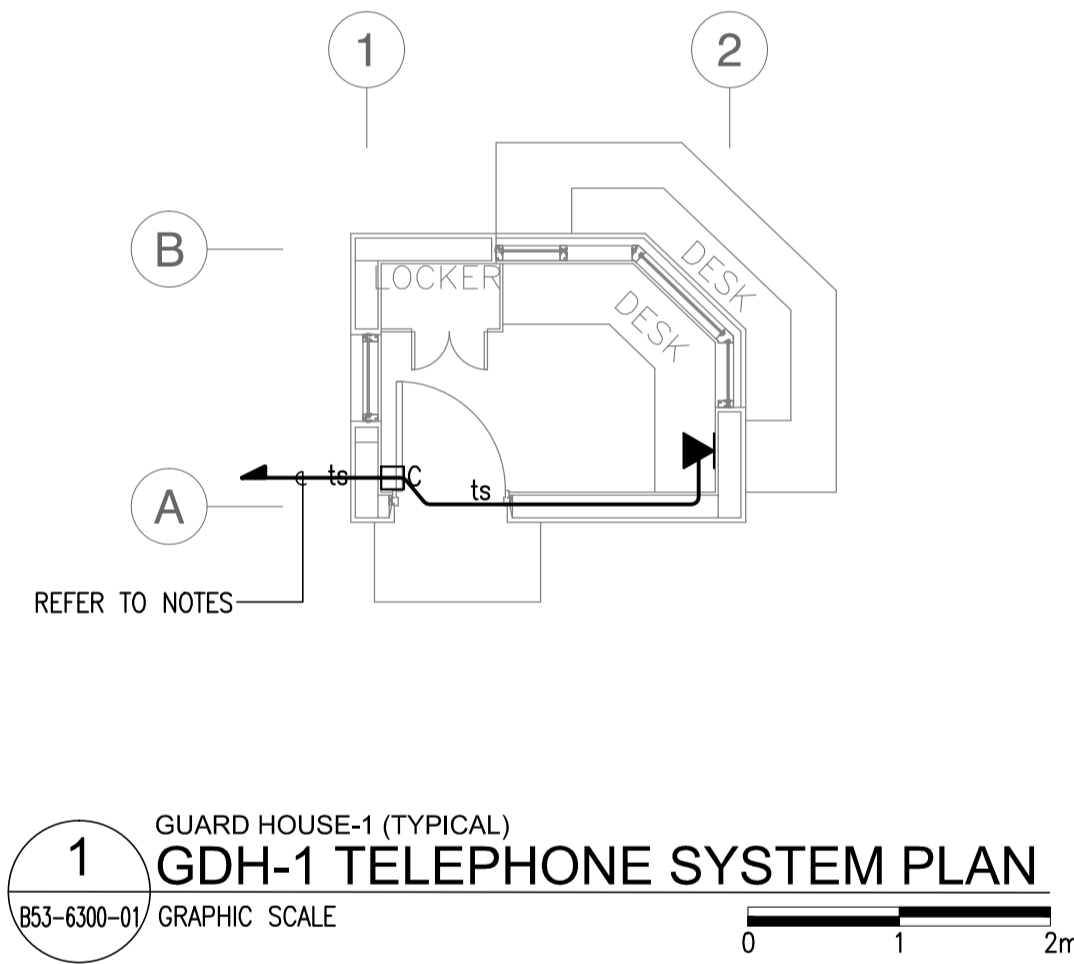
- ▼ - TELEPHONE OUTLET WITH RJ11 DEVICE
- C - PULLBOX, 150mm(SQ.) x 102mm(D) GA. 16 NEMA-1 (FOR COMMUNICATION ONLY)

NOTE:

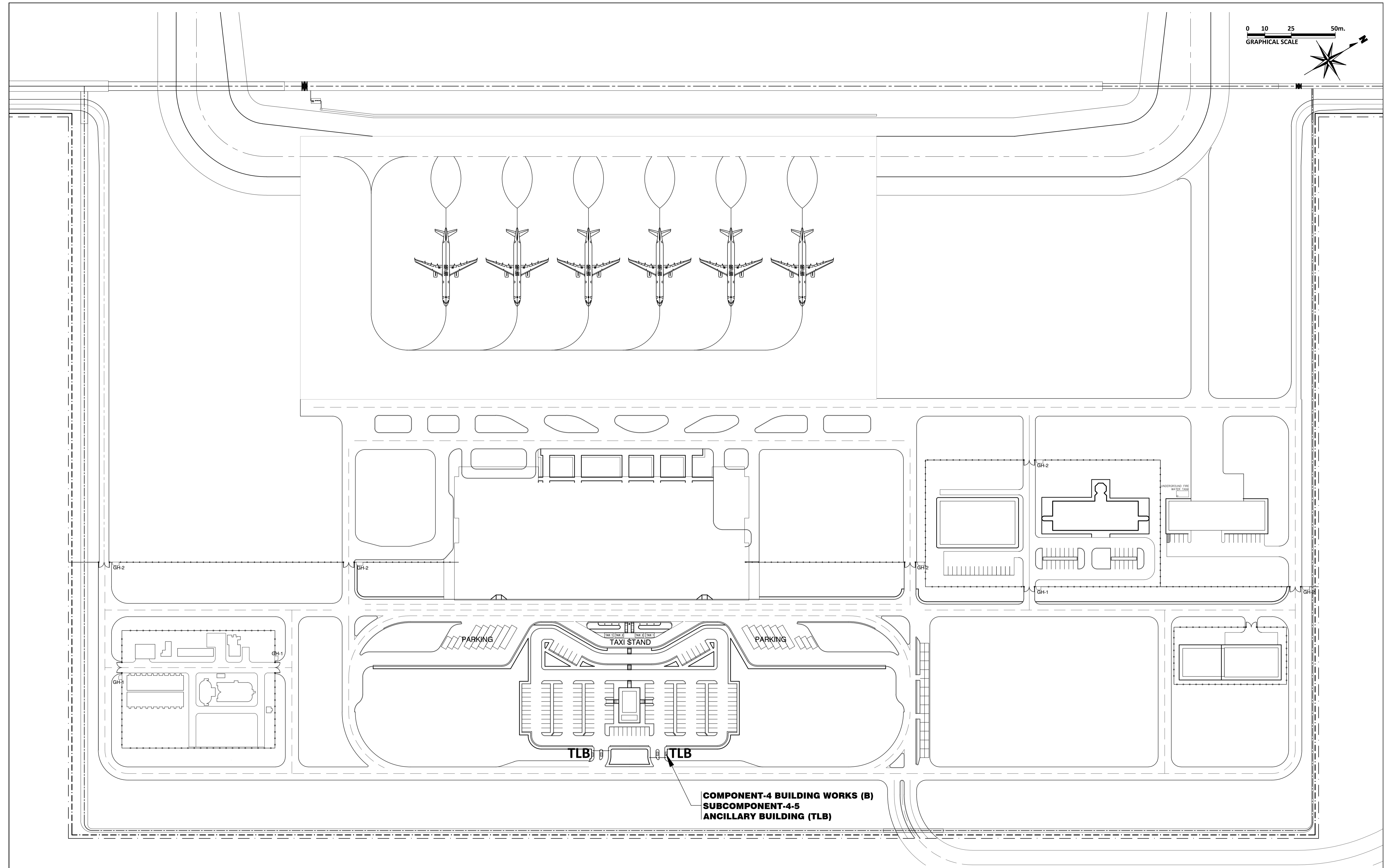
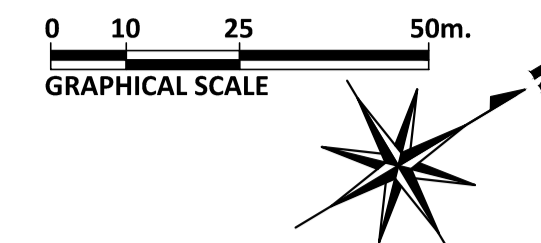
REFER TO SHEET NO. B0-6300-01 FOR WIRING SCHEDULE AND HOMERUN TAPPING POINT.

NOTES FOR COMMUNICATION:

DESIGNATION	TAPPING POINT
GDH1-PWH	TO TB-PWH @ POWER HOUSE
GDH2-PWH-1	- ditto -
GDH2-PWH-2	- ditto -
GDH2-FSM	TO TB-FSM @ FIRE STATION & MAINTENANCE BLDG.
GDH2-PTB	TO TTC-PTB @ PASSENGER TERMINAL BLDG.
GDH1-CTB	TO TB-CTB @ CARGO TERMINAL BLDG.
GDH1-STP-1	TO TB-STP @ SEWAGE TREATMENT PLANT BLDG.
GDH1-STP-2	- ditto -

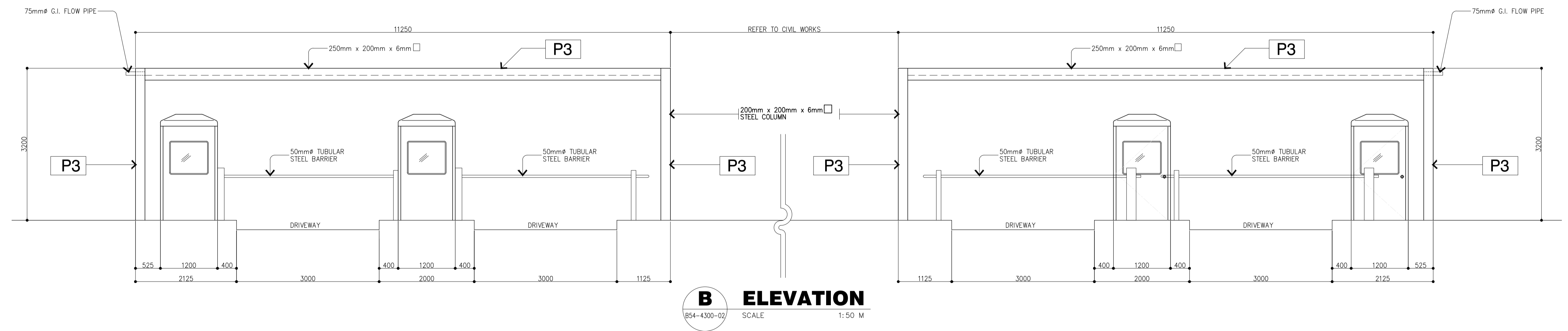
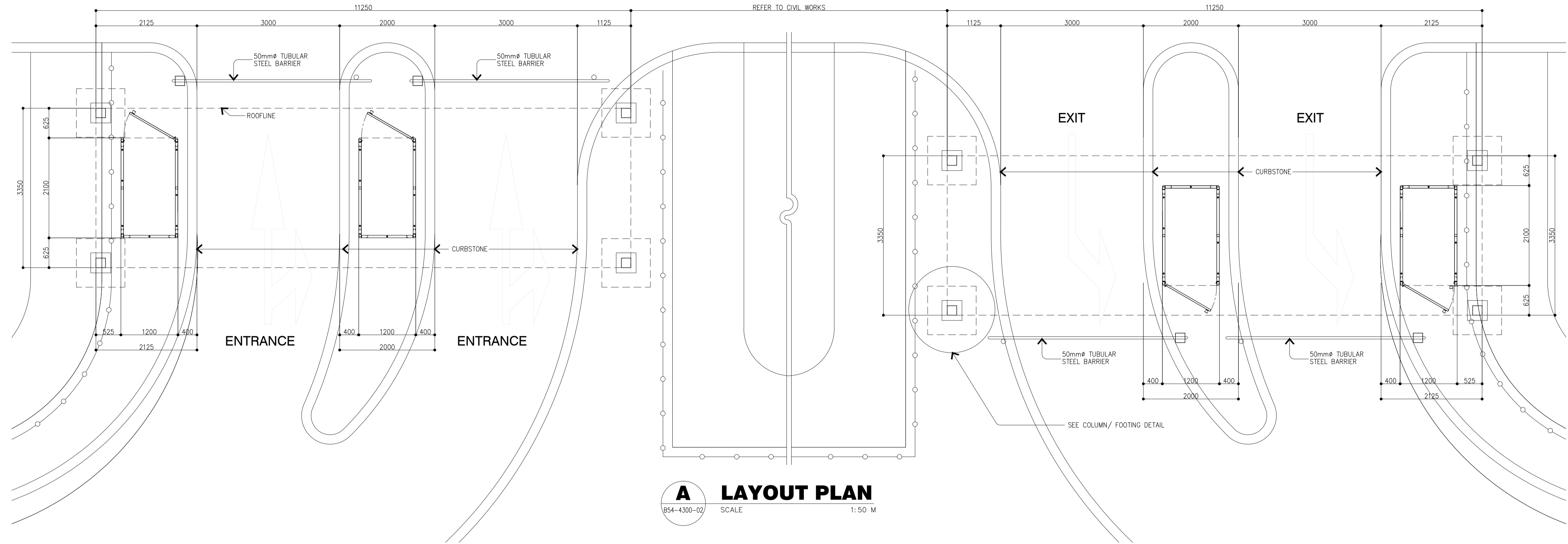


	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B53) Guard House ELECTRICAL TELEPHONE LAYOUT	SHEET NO: B53-6300-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE: JUNE 2013 INDEX: WIM HC AMENDMENTS: Prepared by, Checked by, Validated by

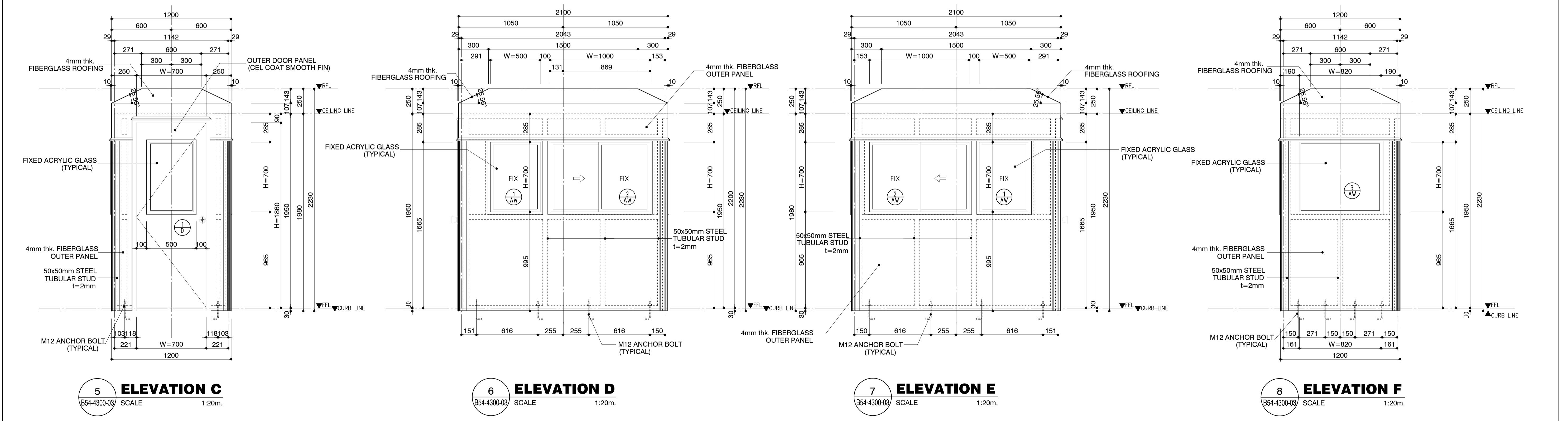
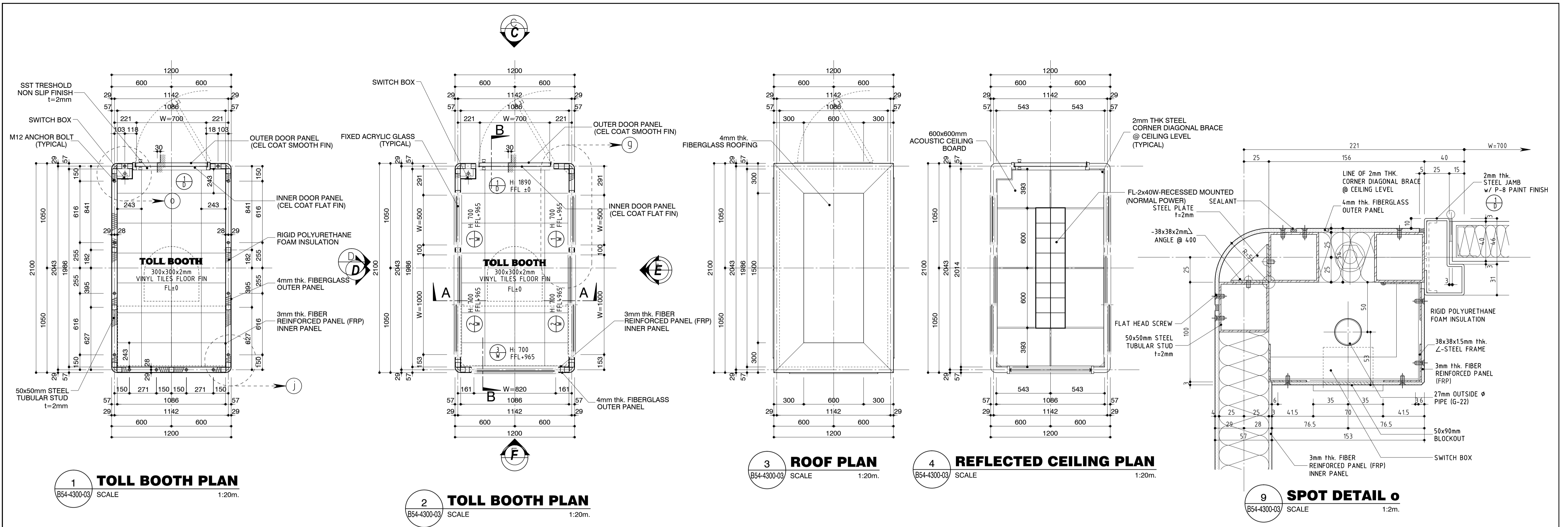


**COMPONENT-4 BUILDING WORKS (B)
SUBCOMPONENT-4-5
ANCILLARY BUILDING (TLB)**

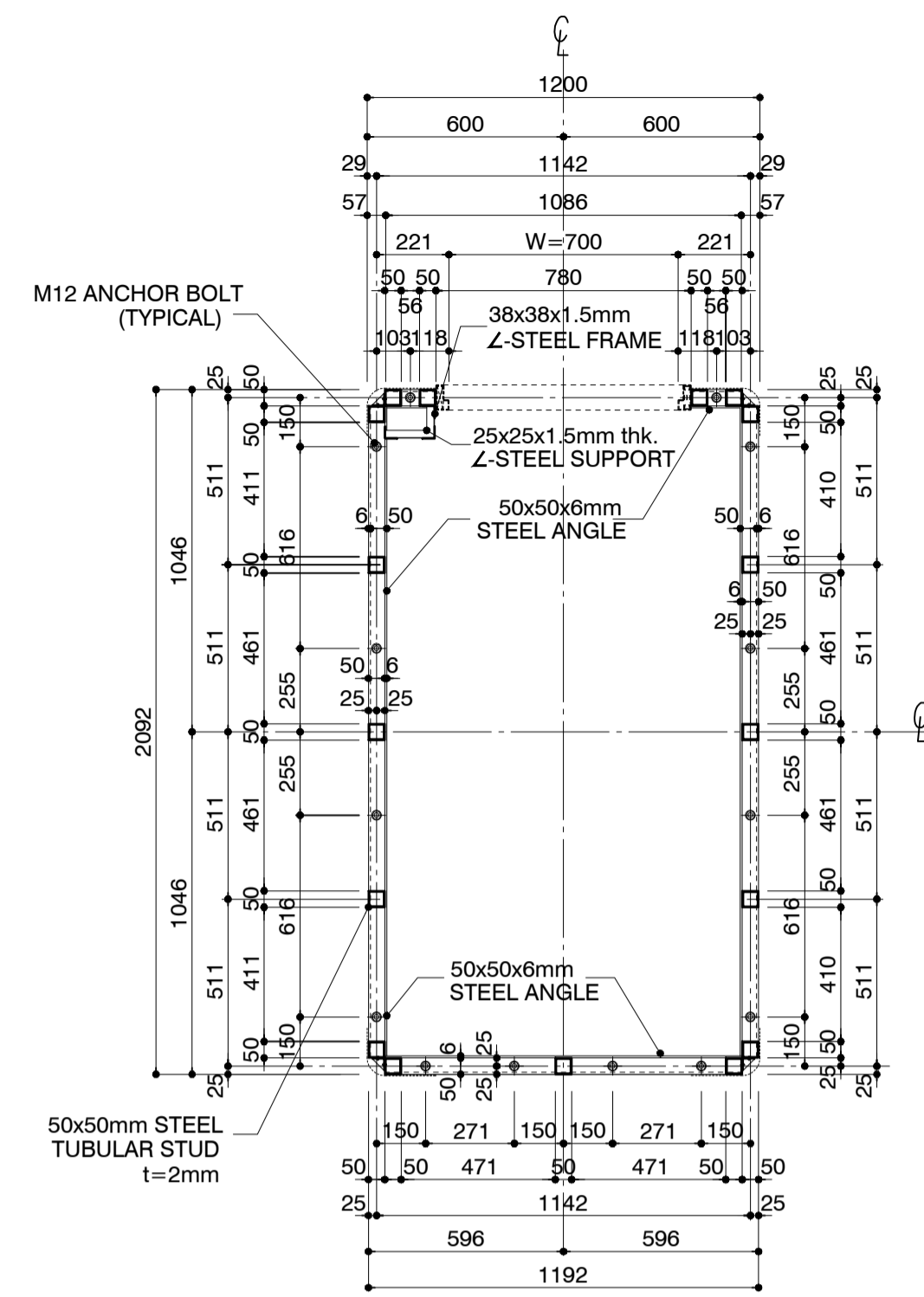
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 T.N.A. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B54) TOLLBOOTHS ARCHITECTURAL LOCATION PLAN	SHEET NO: B54-4300-01 DRAWING SCALE: 1:1000 M.
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	DATE: JUNE 2013 INDEX: _____ AMENDMENTS: _____ Prepared by: _____ Checked by: WIM Validated by: HC	



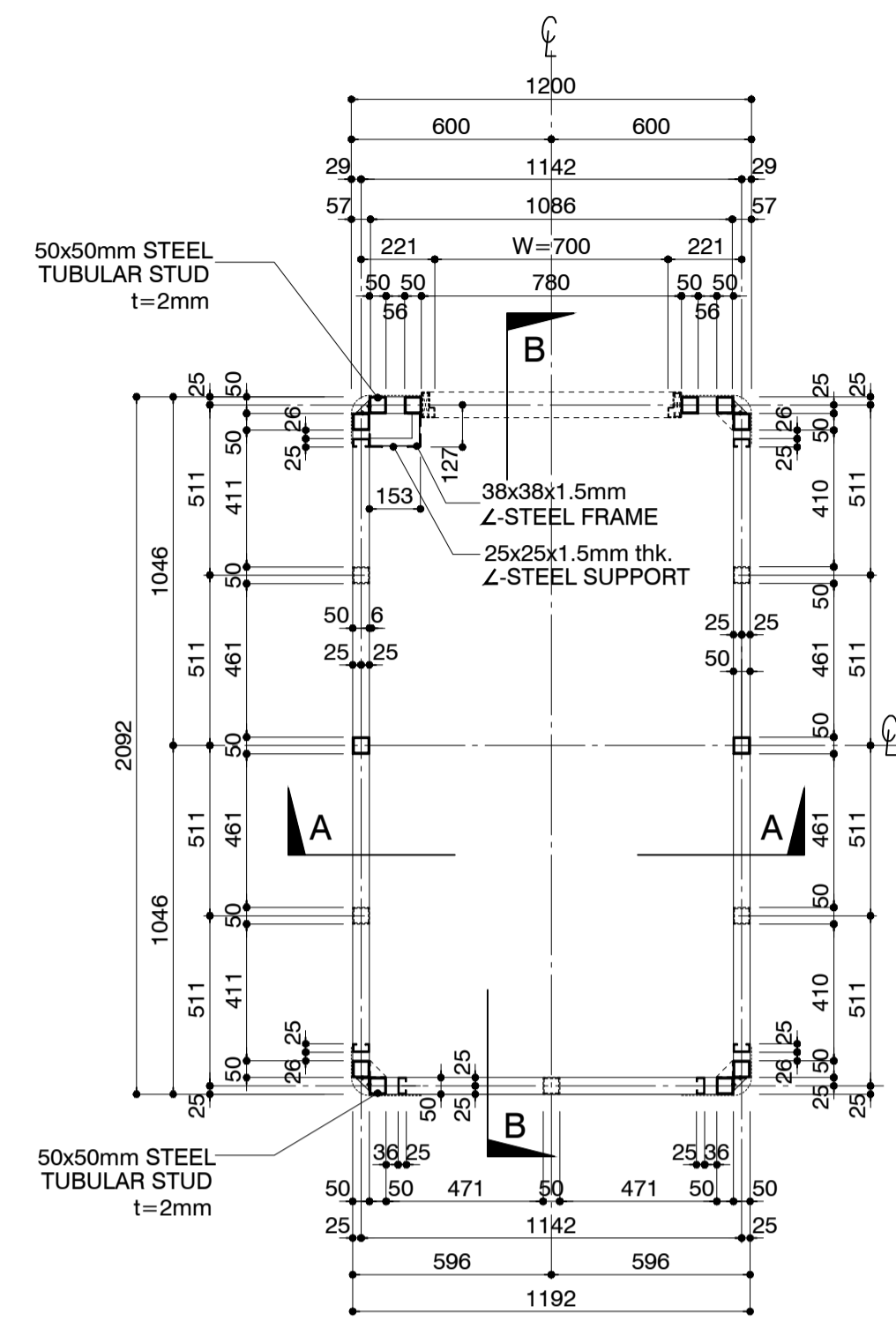
	Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS	JAPAN INTERNATIONAL COOPERATION AGENCY	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR. 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 T.I.N. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENTS-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B54) TOLLBOOTHS ARCHITECTURAL ELEVATION TOLLBOOTH LAYOUT PLAN	SHEET NO: B54-4300-02
	JICA DESIGN CONSULTANT JOINT VENTURE	JAC JAPAN AIRPORT CONSULTANTS, INC.	NIPPON KOEI CO., LTD.	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX AMENDMENTS Prepared by Checked by Validated by



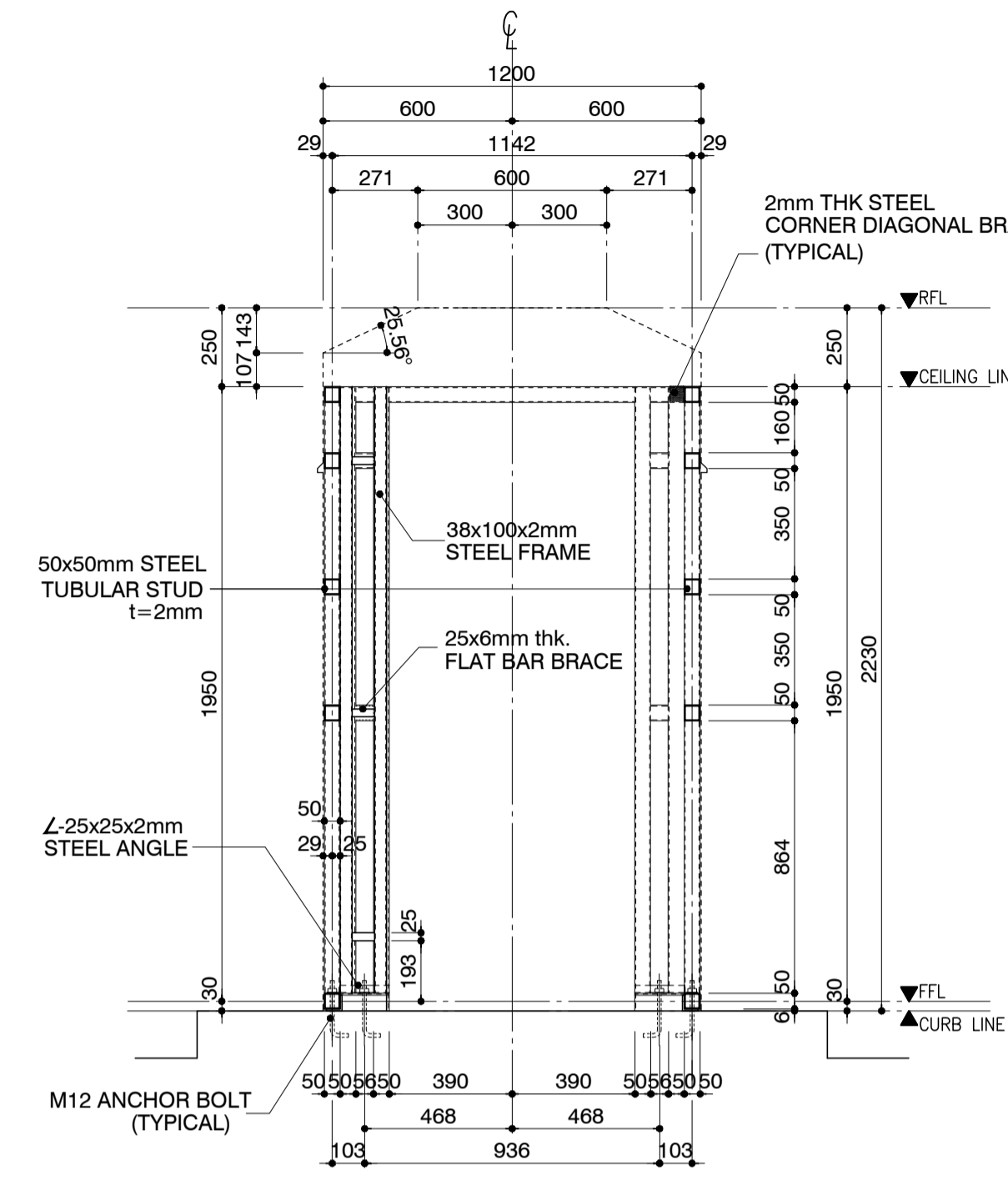
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF: Architect PIR: 3911137 REG. NO.: 4623 DATE: MAY 9, 2013 TIN: 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B54) TOLL BOOTHS ARCHITECTURAL ROOF PLAN ELEVATIONS C,D,E & F, SPOT DETAIL PLAN & REFLECTED CEILING PLAN	SHEET NO: B54-4300-03	
	JICA DESIGN CONSULTANT JOINT VENTURE	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013	INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:



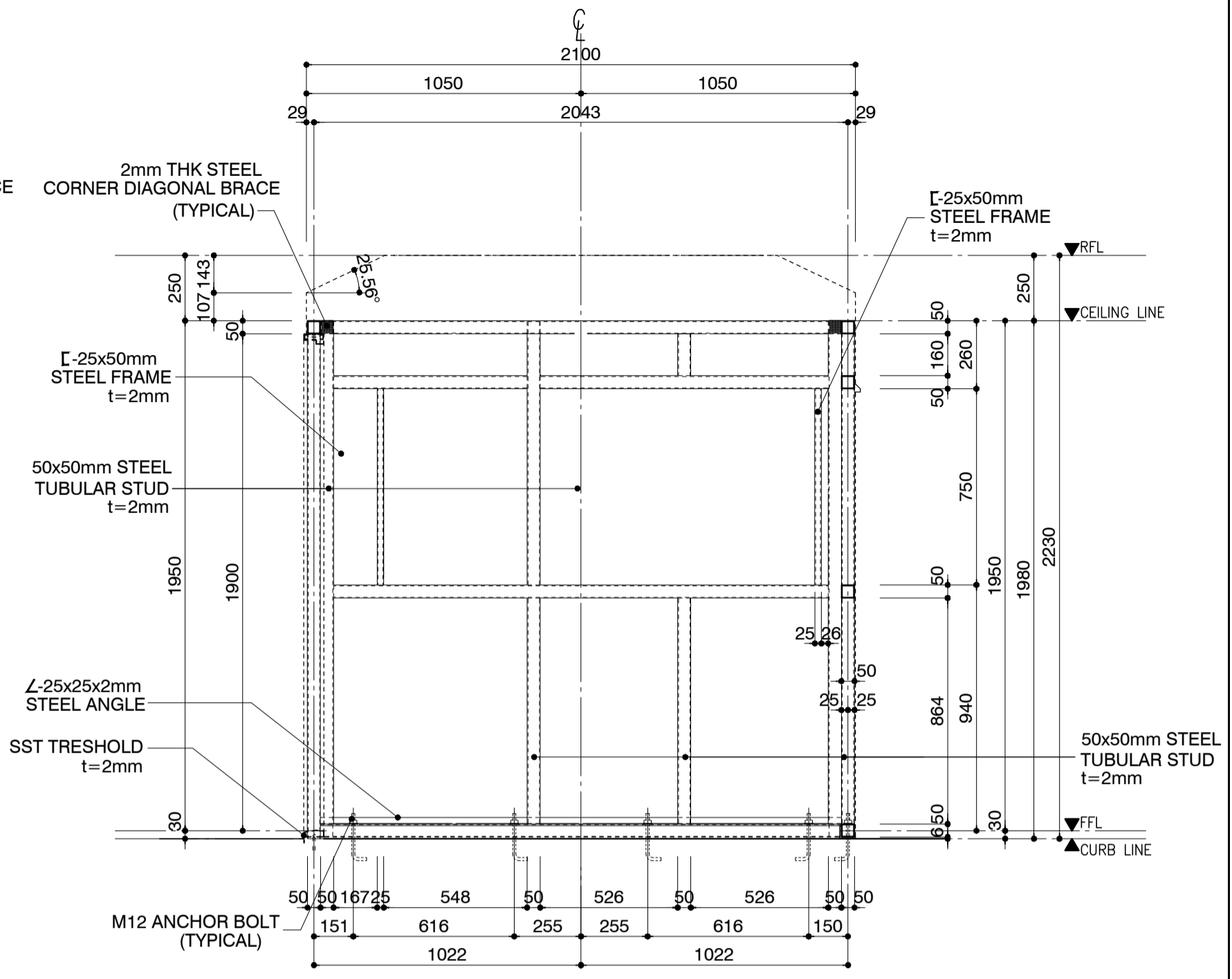
**1 SHOWING ANCHOR BOLTS
STEEL TUBULAR FRAMING PLAN**
B54-4300-04 SCALE 1:20m.



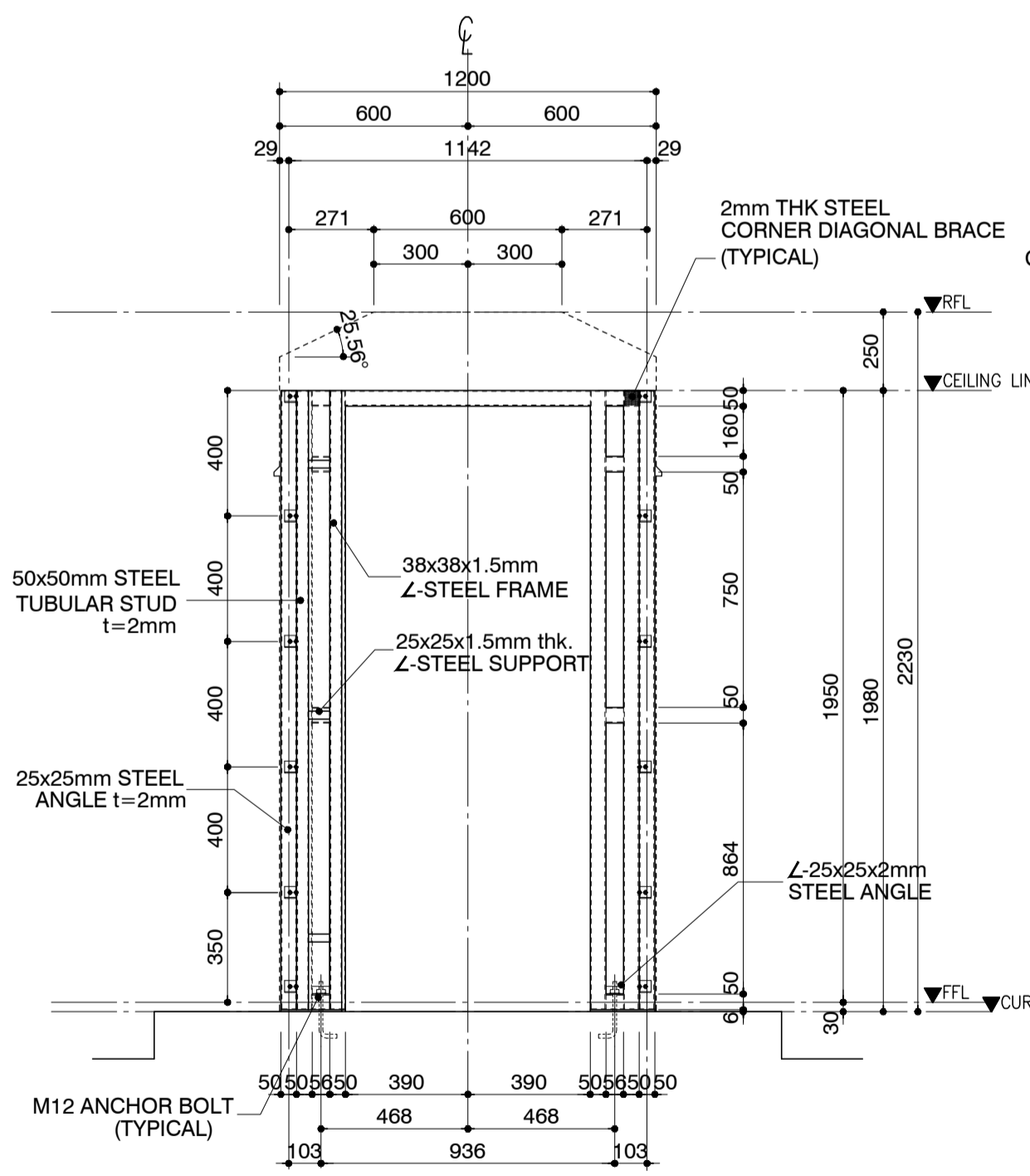
**2 WINDOW LEVEL
STEEL TUBULAR FRAMING PLAN**
B54-4300-04 SCALE 1:20m.



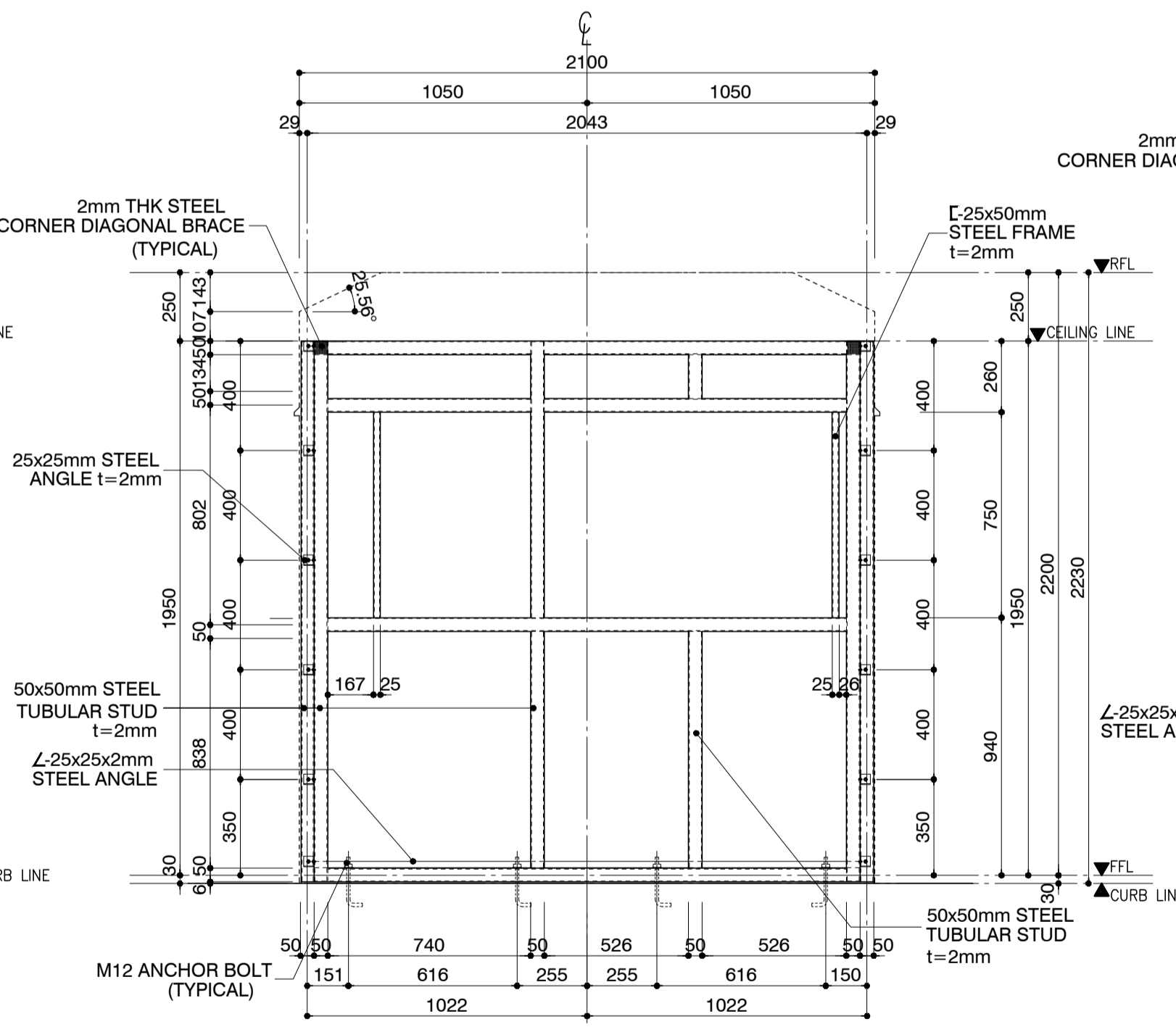
3 TOLL BOOTH SECTION A-A
B54-4300-04 SCALE 1:20m.



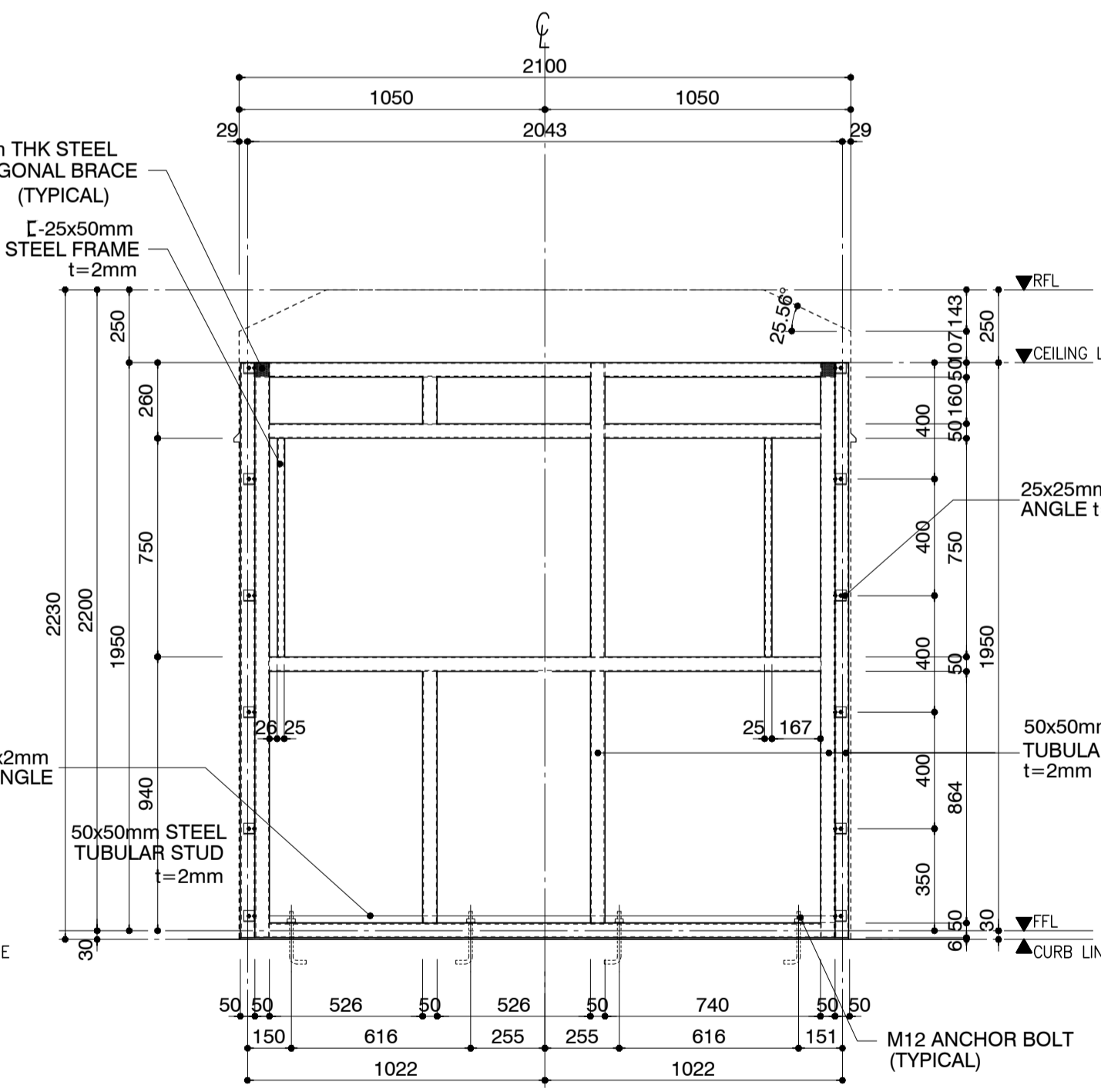
4 TOLL BOOTH SECTION B-B
B54-4300-04 SCALE 1:20m.



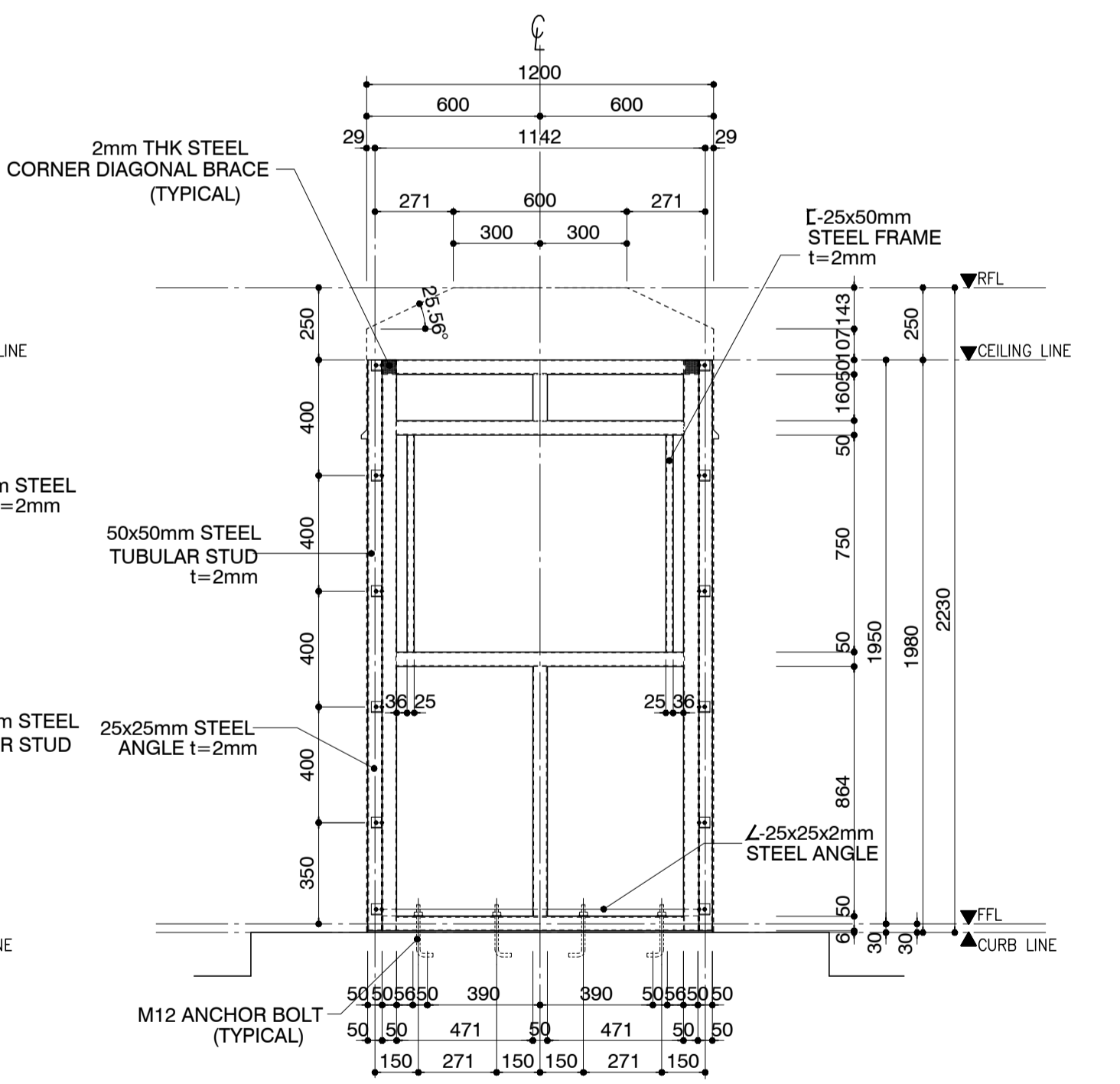
5 ELEVATION C
B54-4300-04 SCALE 1:20m.



6 ELEVATION D
B54-4300-04 SCALE 1:20m.

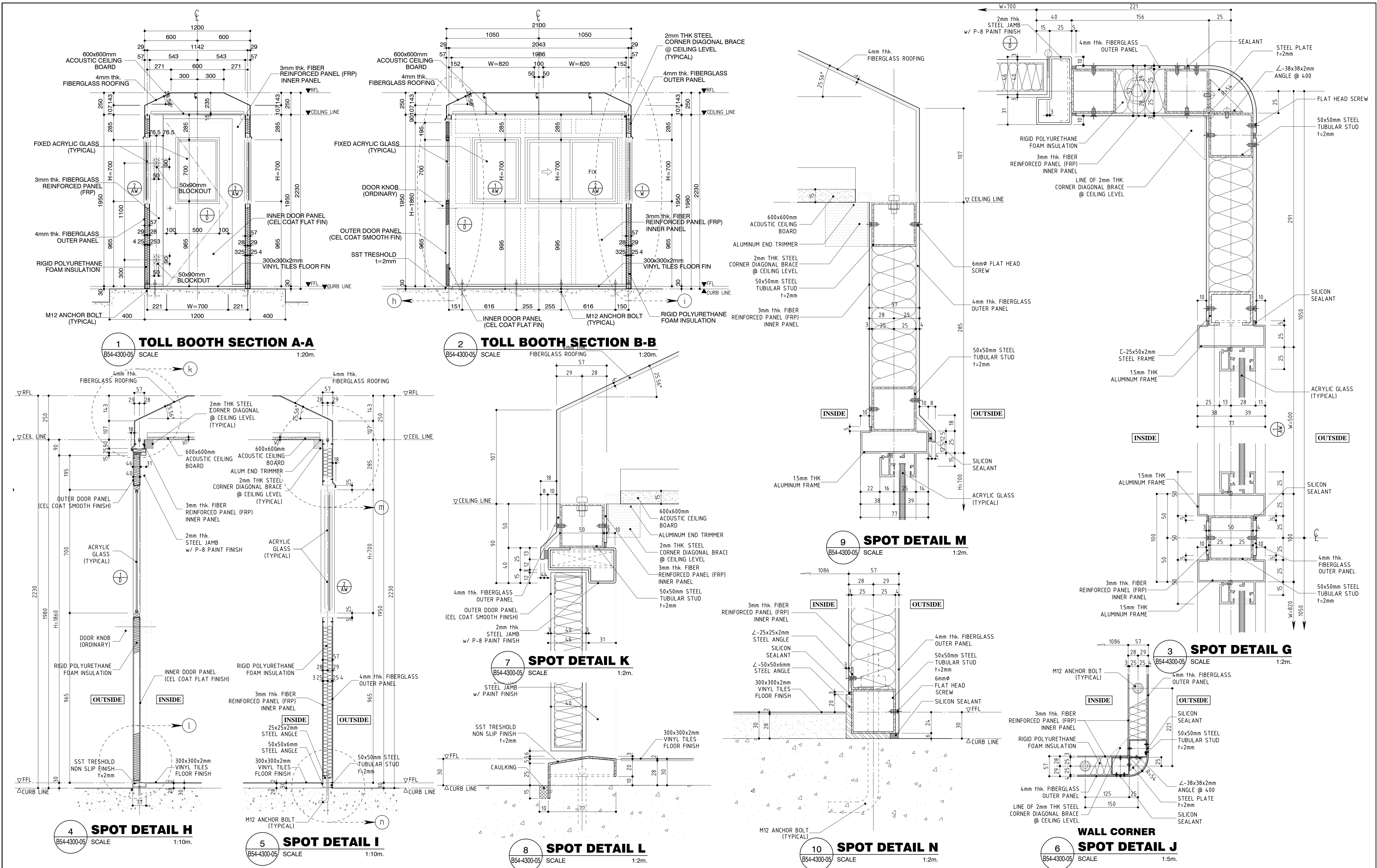


7 ELEVATION E
B54-4300-04 SCALE 1:20m.

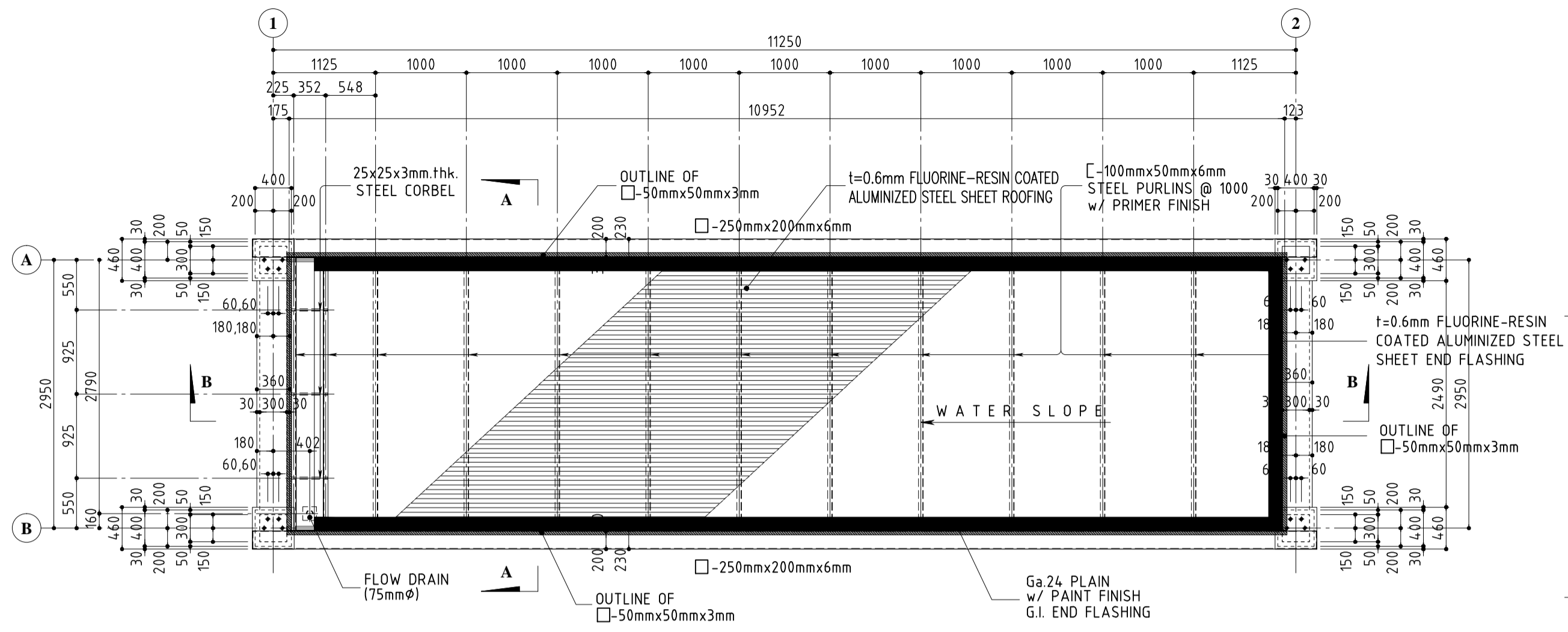


8 ELEVATION F
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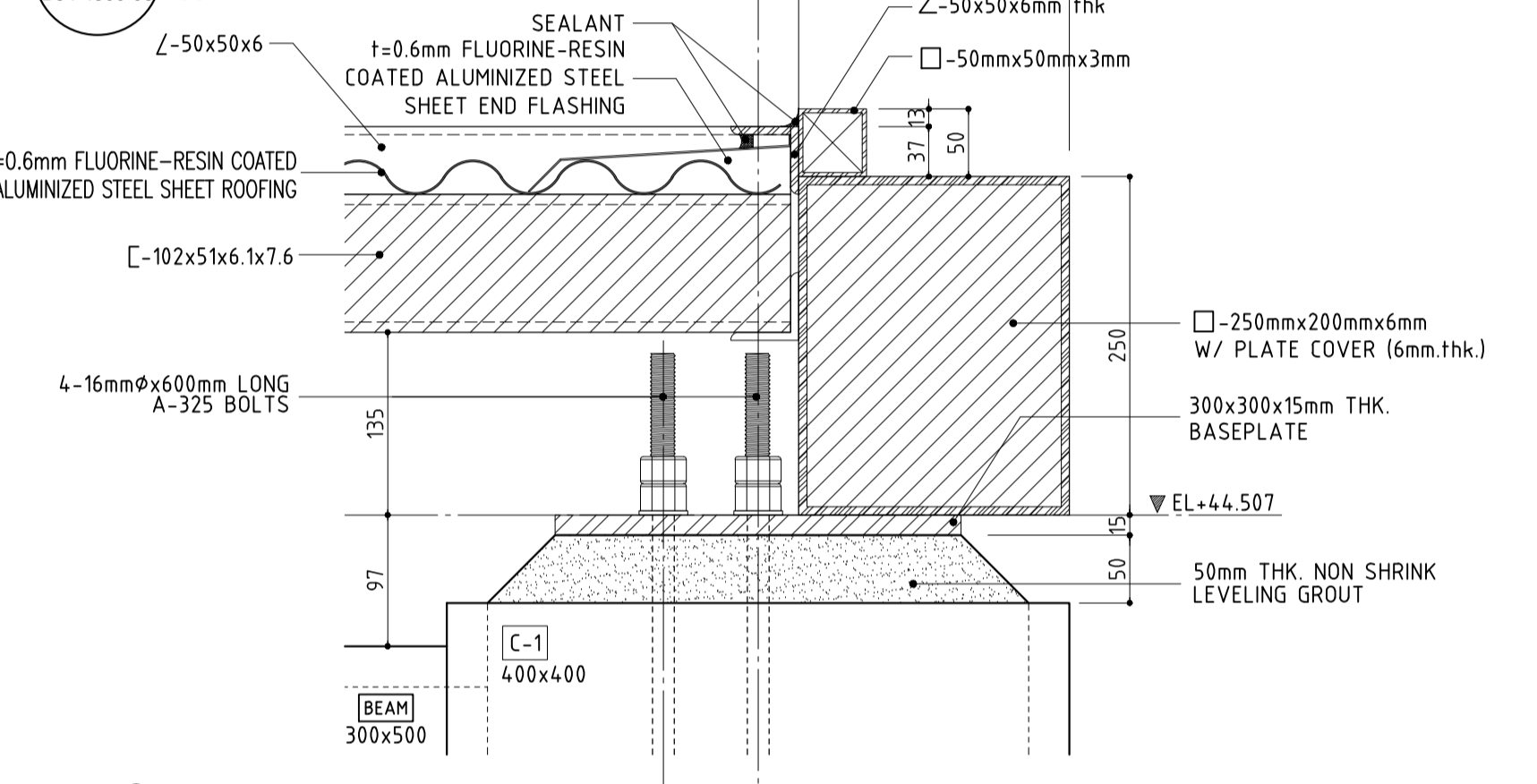
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF. Architect PIR. 3911137 REG. NO. 4623 DATE: MAY 9, 2013 TEL. 150-564-196 PLACE: MARIKINA CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (5) SUBCOMPONENT-4-5 ANCILLARY BUILDINGS (B54) TOLL BOOTHS ARCHITECTURAL ELEVATIONS C,D,E & F TOLLBOOTH STEEL TUBULAR FRAMING PLAN	SHEET NO: B54-4300-04 DRAWING SCALE: 1:20 M.
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO. LTD. NIS CONSULTANTS CO. LTD.	DATE: JUNE 2013 INDEX AMENDMENTS Prepared by: WIM Checked by: HC Validated by:	DATE INDEX AMENDMENTS	DATE INDEX AMENDMENTS	DATE INDEX AMENDMENTS	DATE INDEX AMENDMENTS



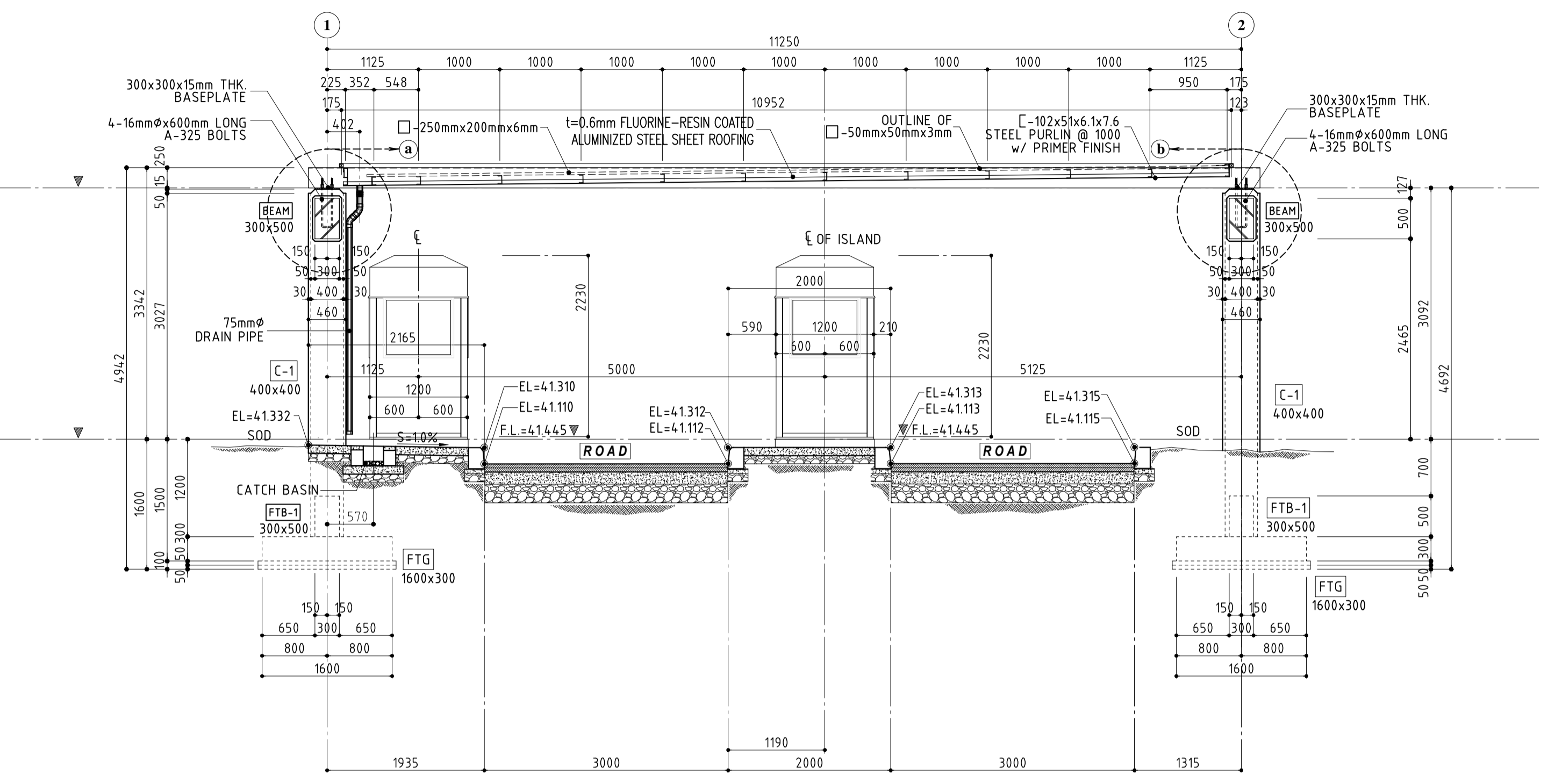
	PREPARED BY: WILLIAM I. MALLONGA <small>PROF. Architect PIR. 3911137 REG. NO. 4623 DATE: MAY 9, 2013 TEL. 150-564-196 PLACE: MAKATI CITY</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT -4-5 ANCILLARY BUILDINGS (B54) TOLLBOOTHS ARCHITECTURAL SECTIONS & SPOT DETAILS	SHEET NO: B54-4300-05
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO. LTD. NIS CONSULTANTS CO. LTD.	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX AMENDMENTS Prepared by: WIM Checked by: HC Validated by:



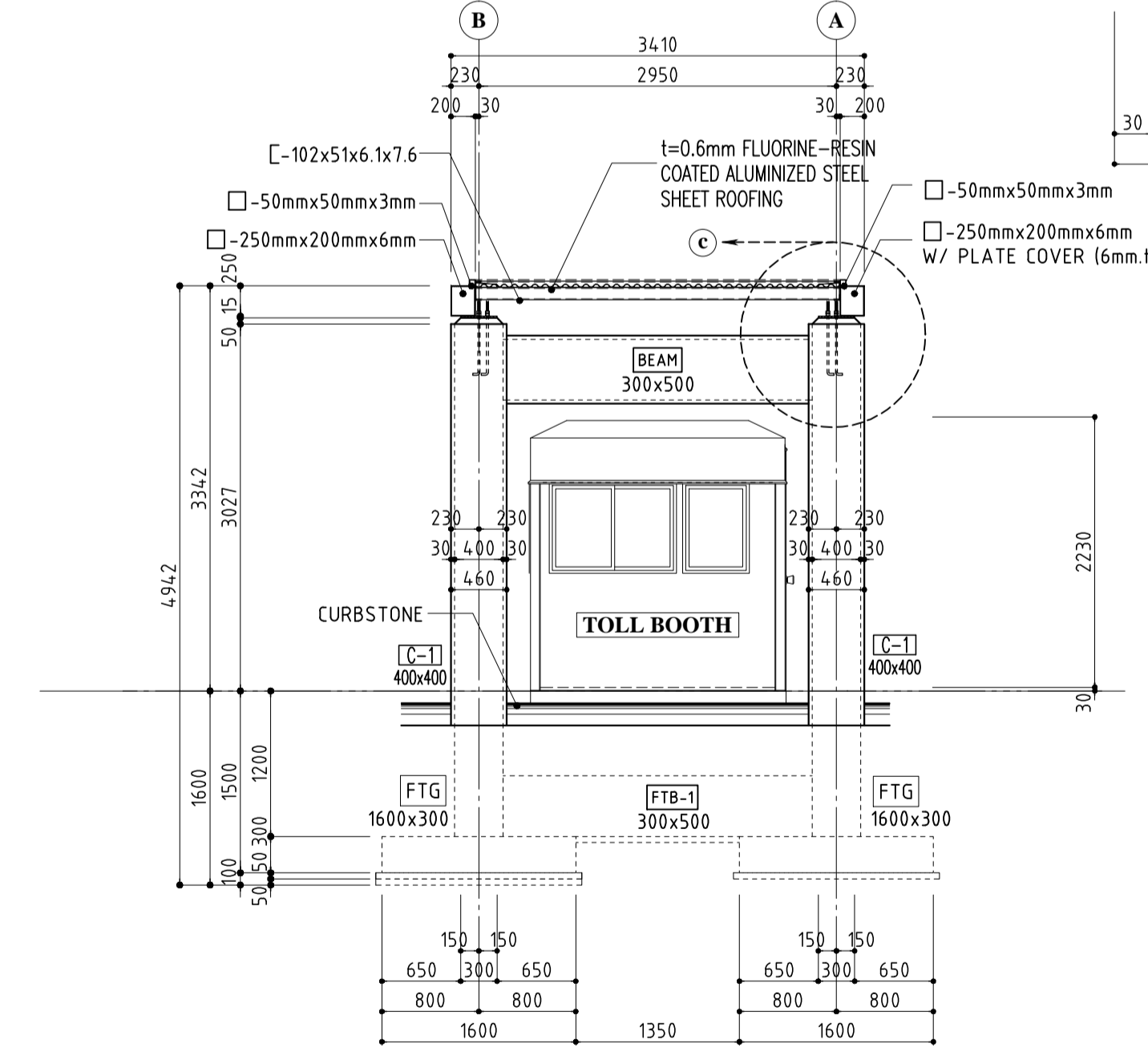
1 ROOF PLAN
 B54-4300-06 SCALE 1:50m.



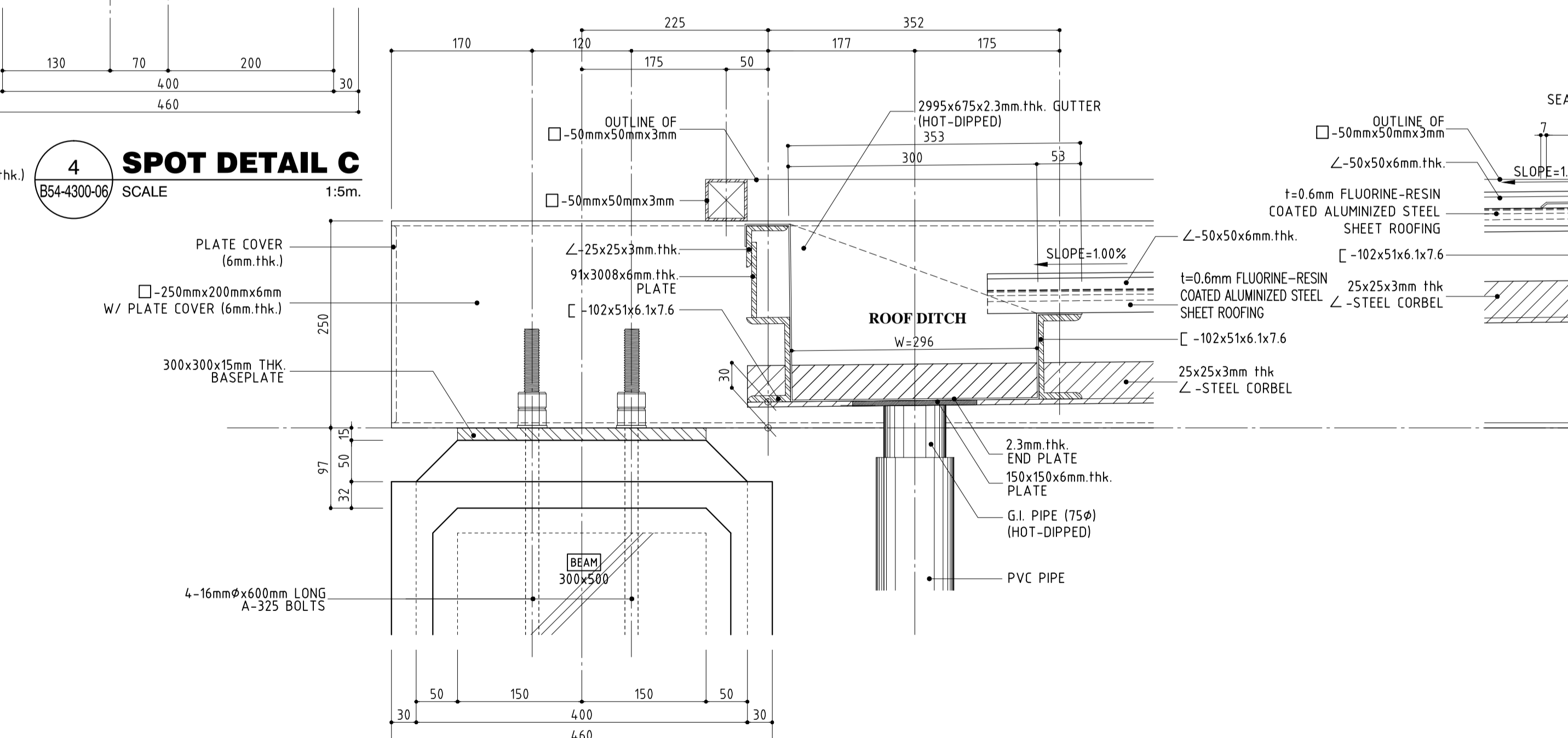
4 SPOT DETAIL C
 B54-4300-06 SCALE 1:5m.



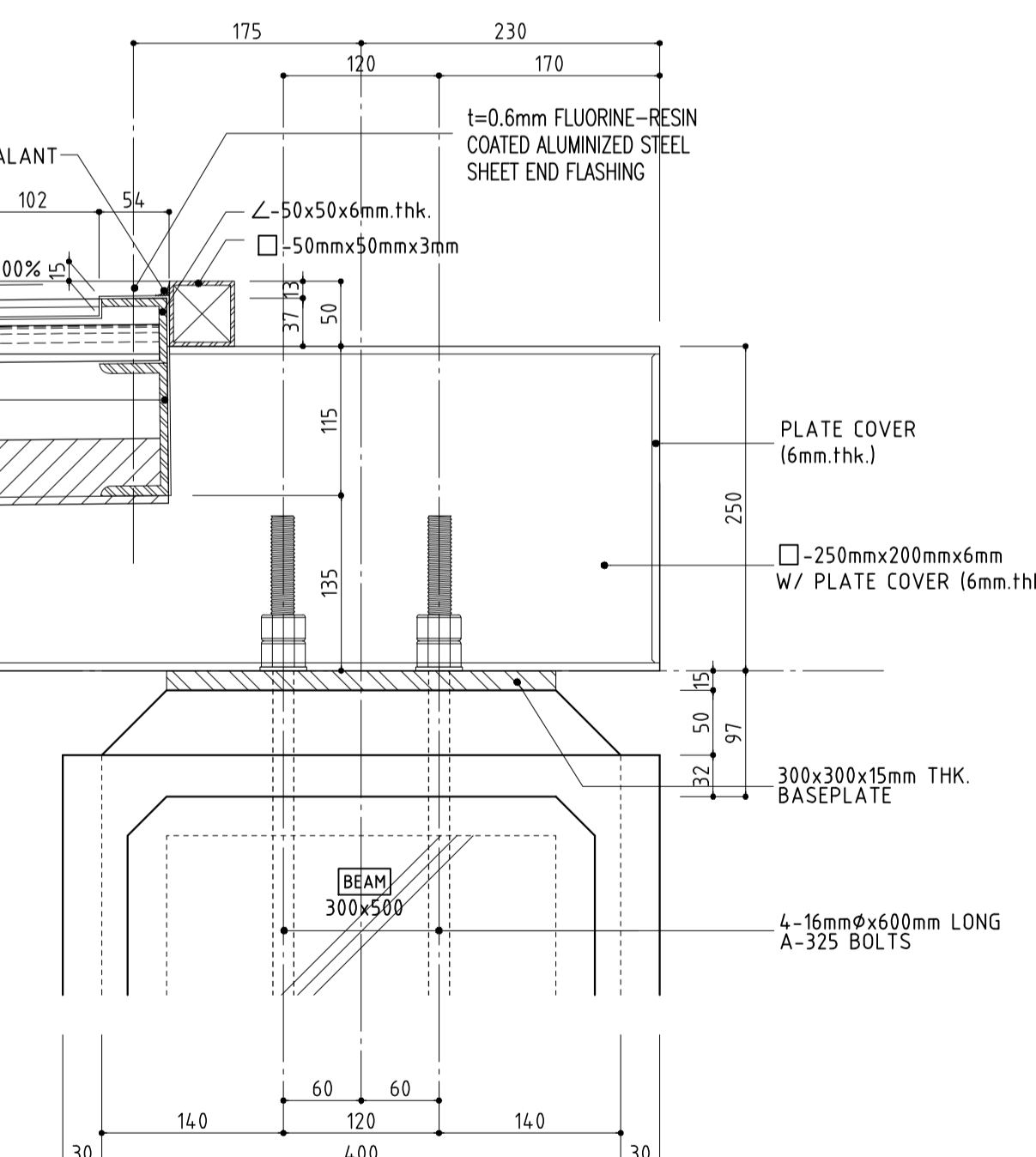
2 SECTION B-B
 B54-4300-06 SCALE 1:50m.



3 SECTION A-A
 B54-4300-06 SCALE 1:50m.



5 SPOT DETAIL A
 B54-4300-06 SCALE 1:5m.



6 SPOT DETAIL B
 B54-4300-06 SCALE 1:5m.

Republic of the Philippines
 DEPARTMENT OF TRANSPORTATION
 AND COMMUNICATIONS

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

JICA DESIGN CONSULTANT JOINT VENTURE

JAC JAPAN AIRPORT CONSULTANTS, INC.
NIPPOON KOEI CO., LTD.
NIS CONSULTANTS CO., LTD.

PREPARED BY: **WILLIAM I. MALLONGA**
 ARCHITECT

RECOMMENDING APPROVAL: **ILDEFONSO T. PATDU, JR.**
 Assistant Secretary for Project Implementation, DOTC

APPROVED: **JULIANITO G. BUCAYAN, JR.**
 Undersecretary for Project Implementation, DOTC

TADASHI AOI
 Team Leader

PROJECT TITLE: **NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT**

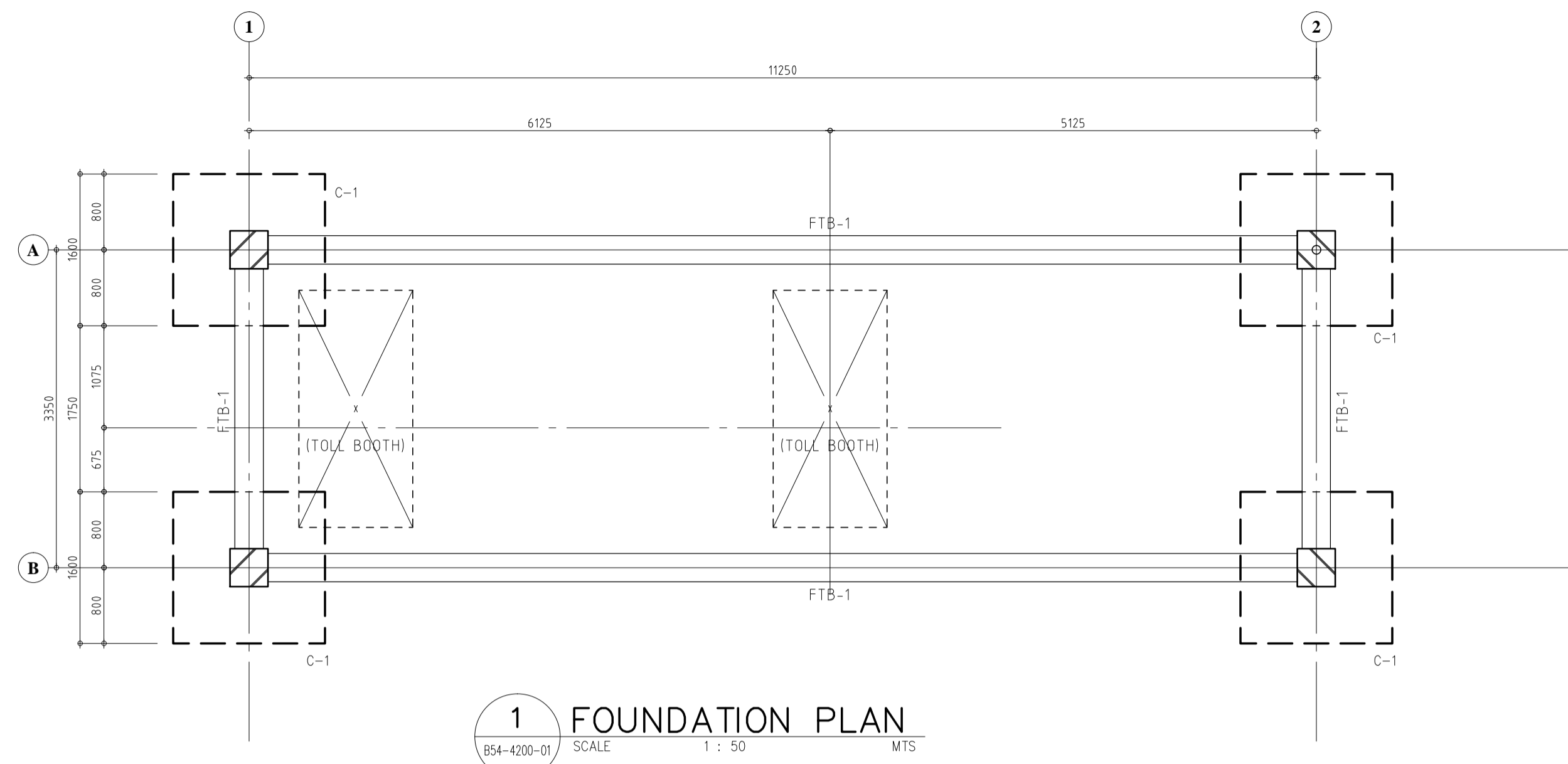
LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES

DATE	INDEX	AMENDMENTS
JUNE 2013		

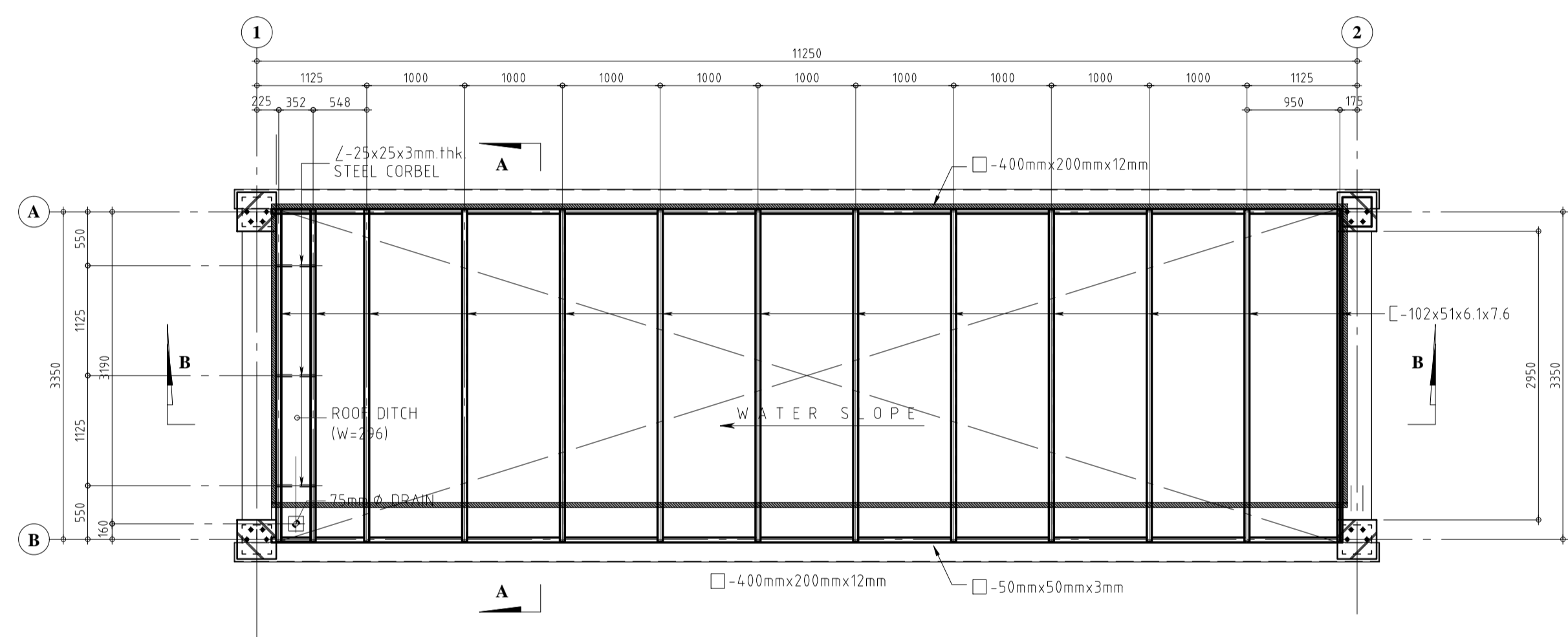
SHEET CONTENTS:
 COMPONENT-4 BUILDING WORKS (B)
 SUBCOMPONENT-4-5 ANCILLARY BUILDINGS
 (B54) TOLLBOOTHS ARCHITECTURAL SPOT DETAILS CANOPY ROOF PLAN & SECTIONS

Prepared by: WIM
 Checked by: HC
 Validated by:

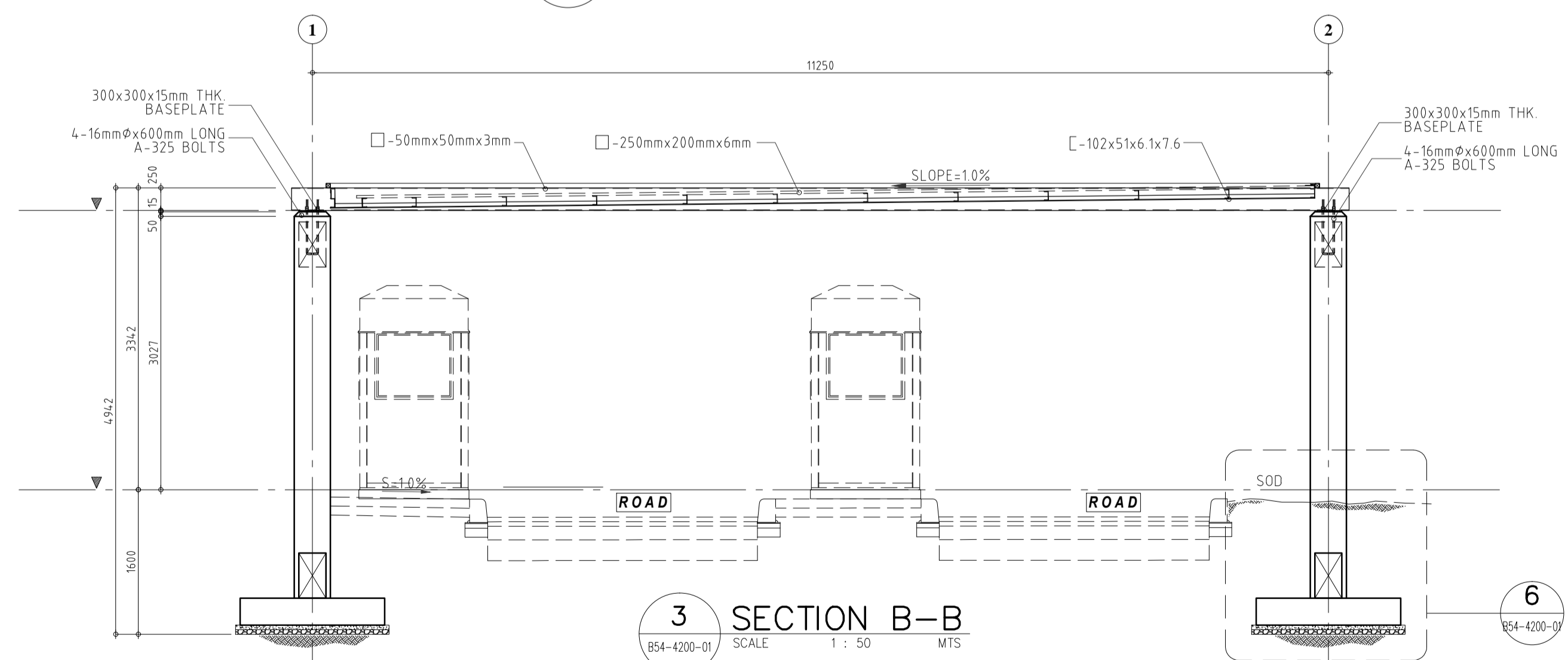
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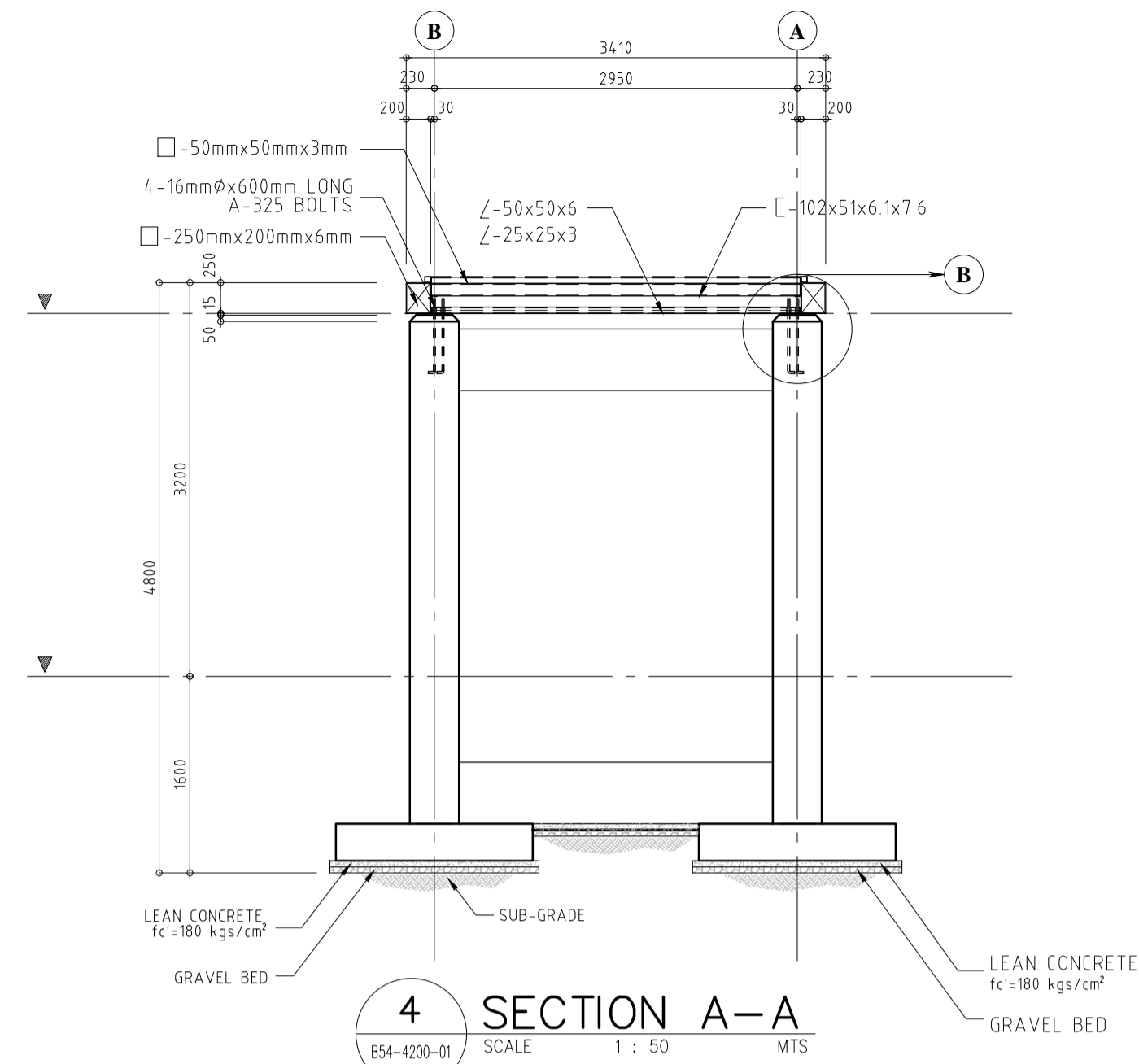
1 FOUNDATION PLAN
SCALE 1 : 50 MTS



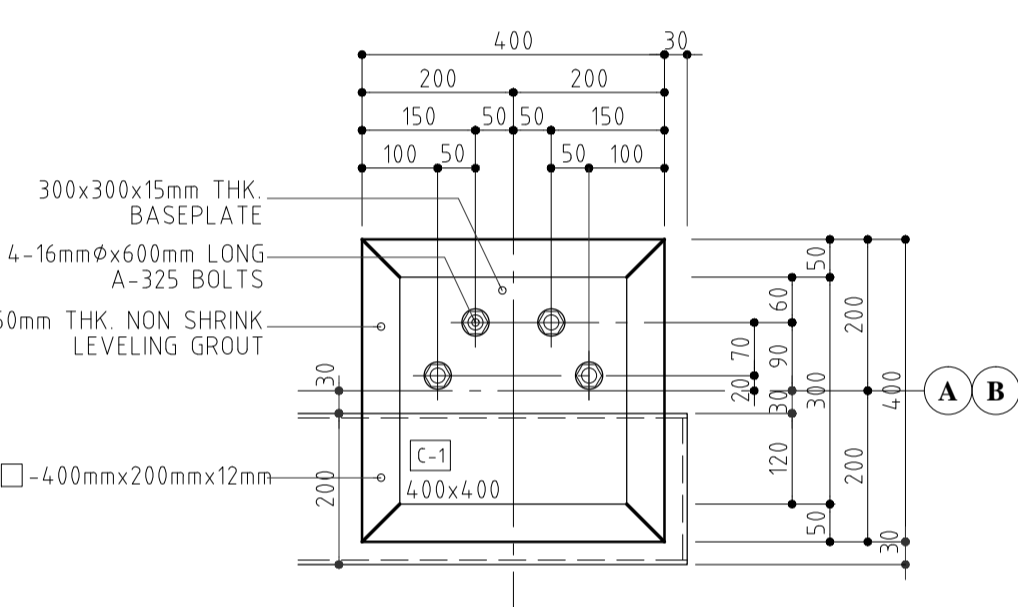
2 ROOF FRAMING PLAN
SCALE 1 : 50 MTS



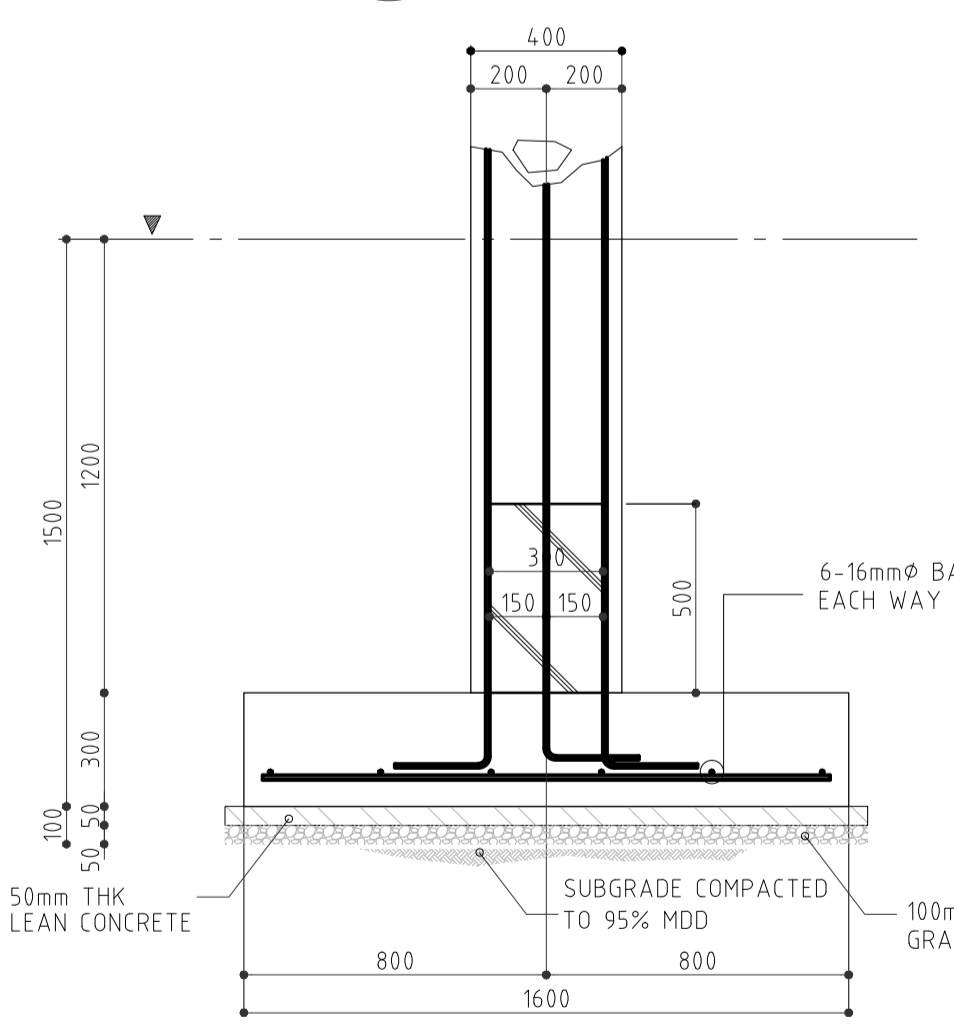
3 SECTION B-B
SCALE 1 : 50 MTS



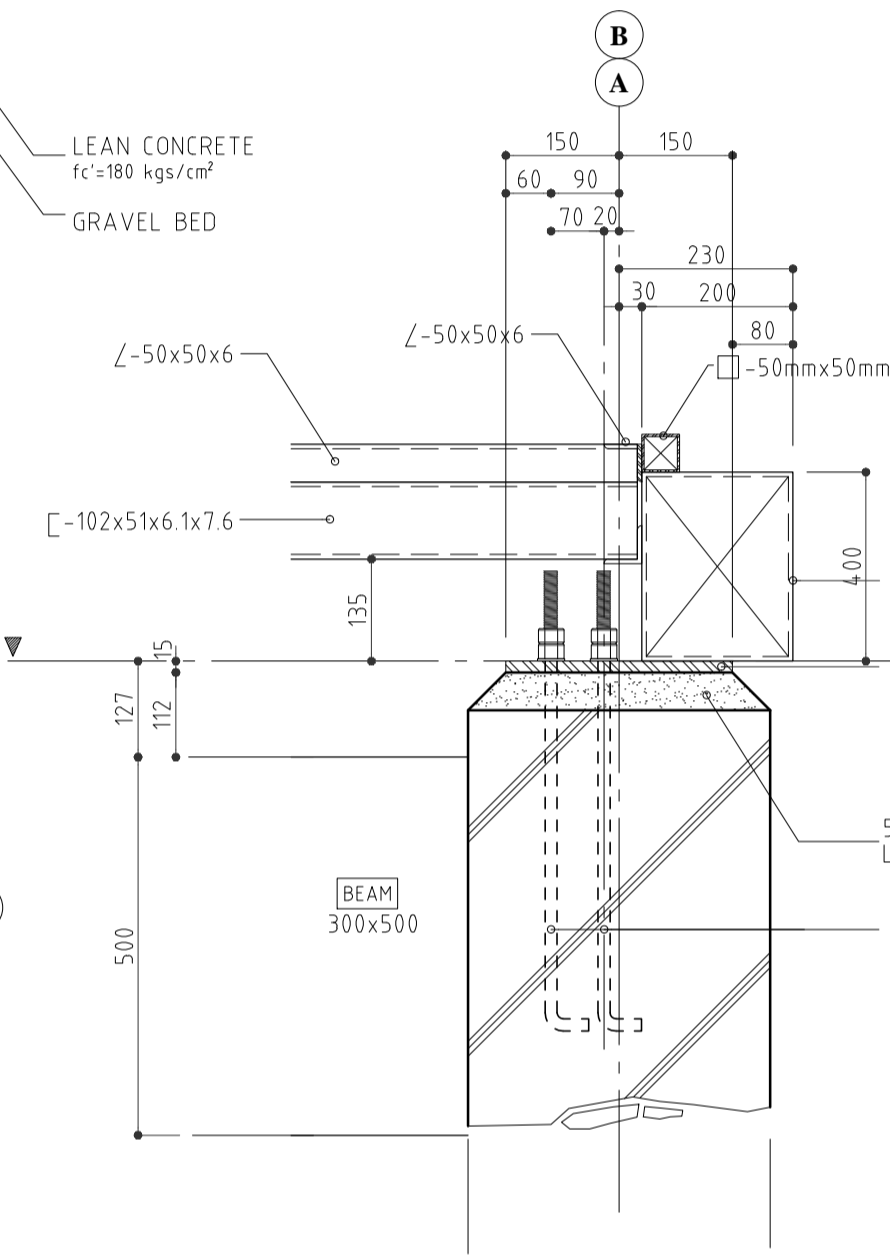
4 SECTION A-A
SCALE 1 : 50 MTS



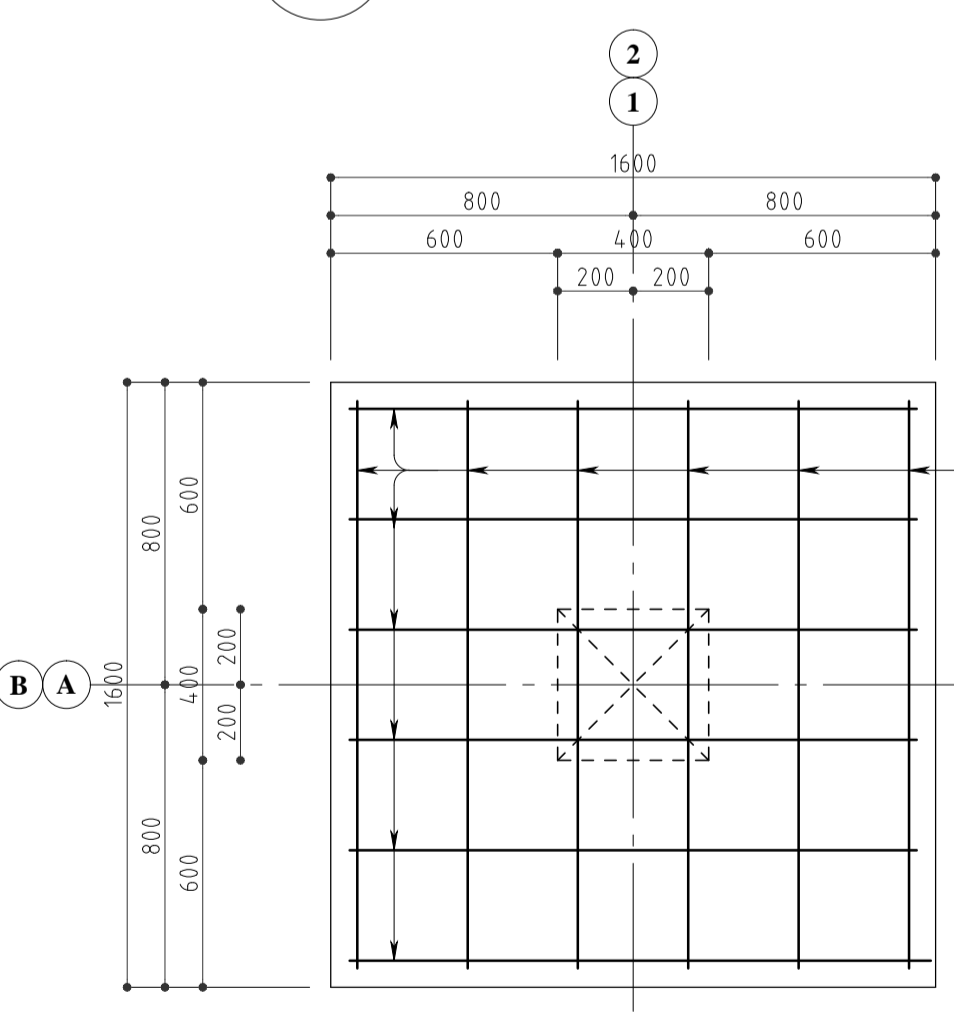
5 BASEPLATE DETAIL
SCALE 1 : 10 MTS



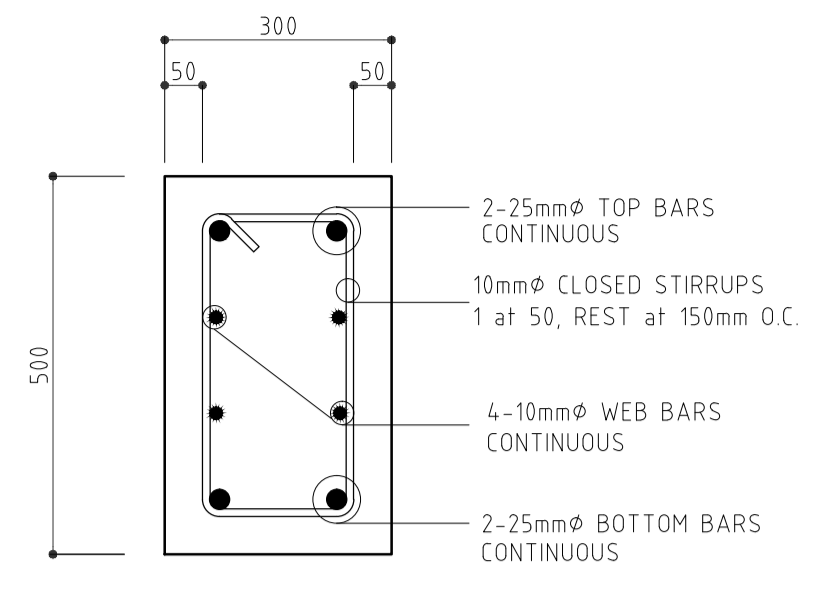
6 FOOTING SECTION
SCALE 1 : 20 MTS



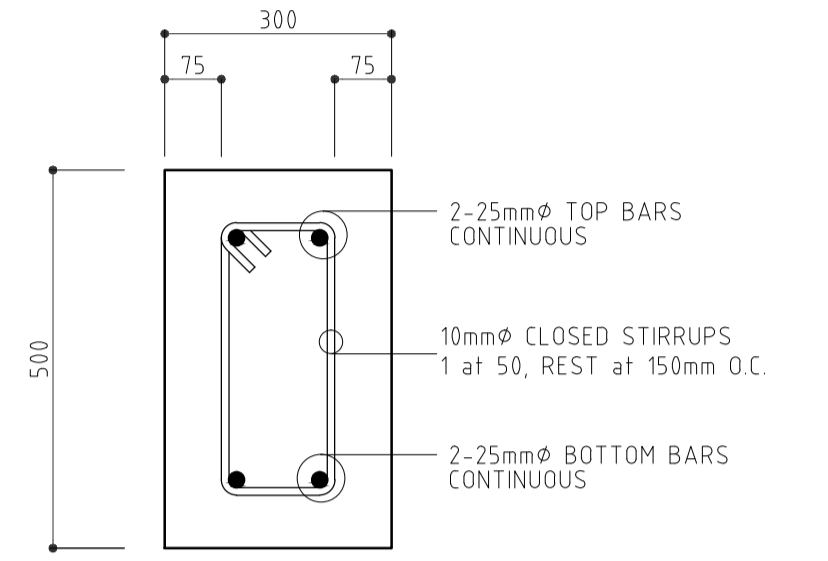
7 DETAIL SECTION B
SCALE 1 : 10 MTS



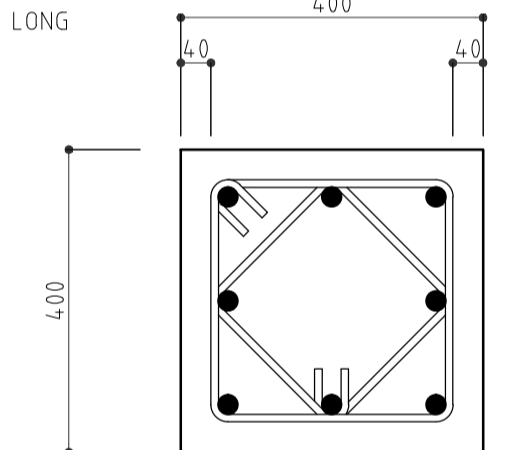
8 FOOTING PLAN
SCALE 1 : 20 MTS



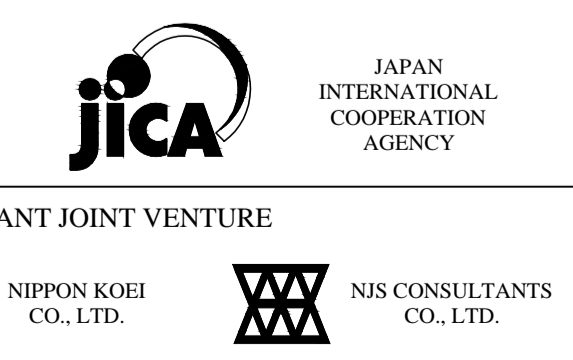
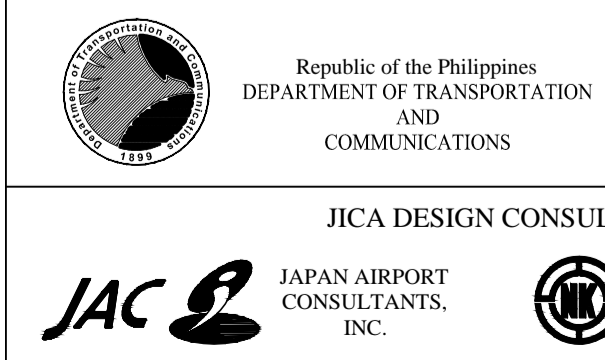
9 BEAM DETAIL
SCALE 1 : 10 MTS



10 FTB-1 DETAIL
SCALE 1 : 10 MTS



11 C-1 DETAIL
SCALE 1 : 10 MTS



PREPARED BY:
EDGARDO C. CRUZ
PROF. CIVIL ENGINEER PTR. 7589023B
REG. NO.: 23983 DATE: JANUARY 03, 2013
TEAM: 601-157-021 PLACE: QUEZON CITY

TADASHI AOI
Team Leader

RECOMMENDING APPROVAL:
ILDEFONSO T. PATDU, JR.
Assistant Secretary
for Project Implementation, DOTC

APPROVED:
JULIANITO G. BUCAYAN, JR.
Undersecretary
for Project Implementation, DOTC

PROJECT TITLE:
NEW BOHOL AIRPORT CONSTRUCTION AND
SUSTAINABLE ENVIRONMENT PROTECTION PROJECT

LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES

DATE	INDEX	AMENDMENTS	Prepared by	Checked by	Validated by
JUNE 2013			FRS Jr.	WIM	HC

SHEET CONTENTS:
COMPONENT-4 : BUILDING WORKS (B)
SUB-COMPONENT 4-5 : ANCILLARY BUILDINGS

STRUCTURAL
TOLLBOOTH STRUCTURAL PLAN

SHEET NO:
B54-4200-01

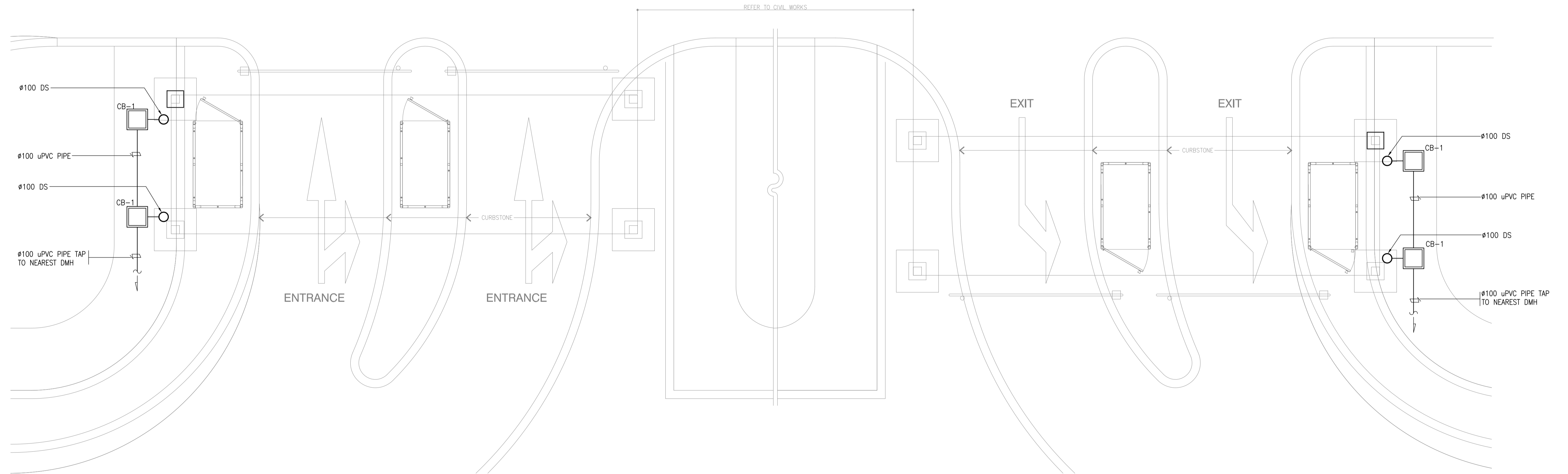
DRAWING SCALE:
AS SHOWN

CATCH BASIN SCHEDULE

SYMBOL	PIT NAME	PIT DIM.	PIT DEPTH	MANHOLE SPECS.	REMARKS
□	CB-1	500x500	825 (MIN)	R.C. COVER W/ LIFTING HANDLE	



1 ROOF STORM DRAINAGE LAYOUT (TYPICAL)
 B54-5100-01 SCALE 1:50M

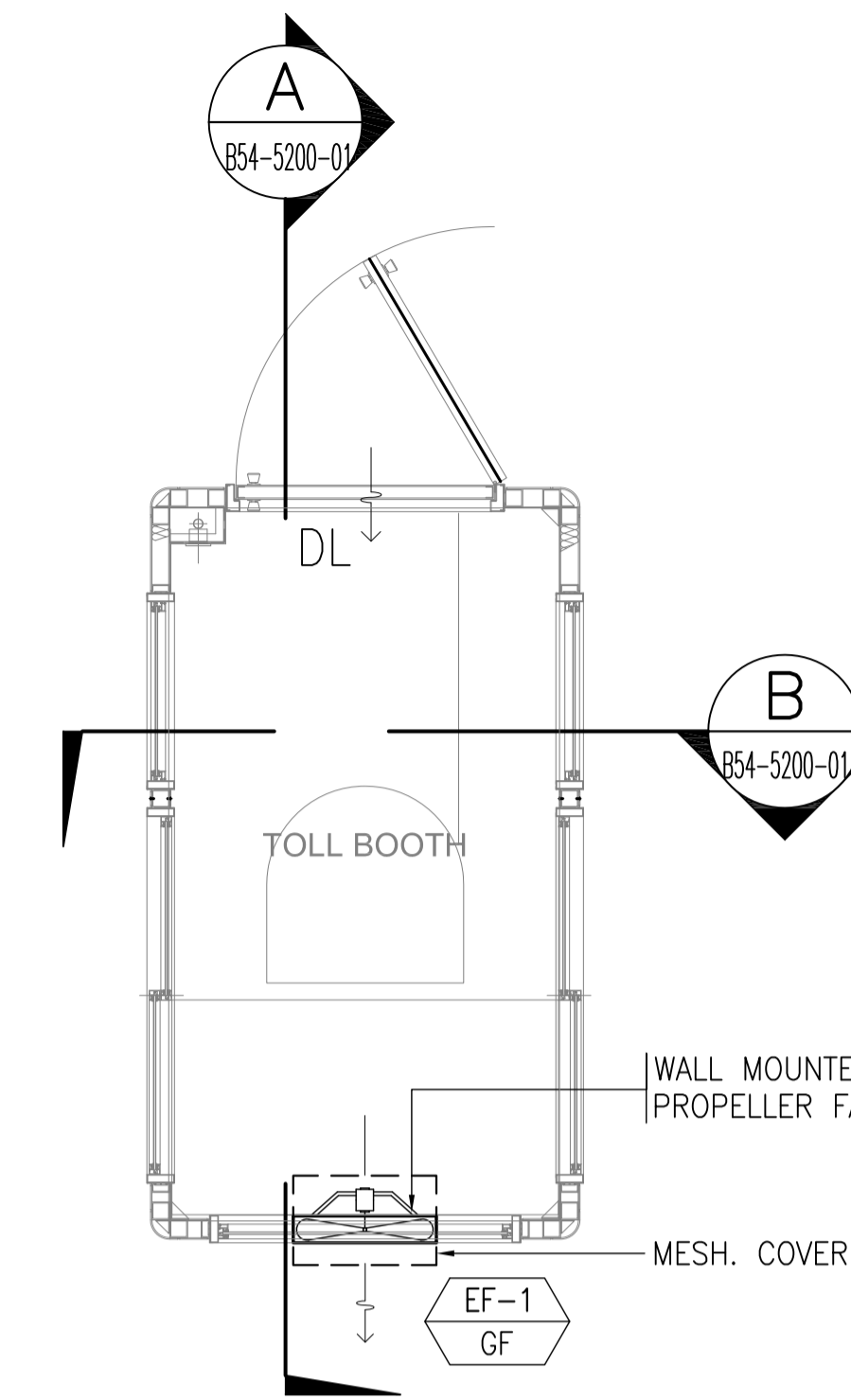


2 GROUND LEVEL STORM DRAINAGE LAYOUT
 B54-5100-01 SCALE 1:50M

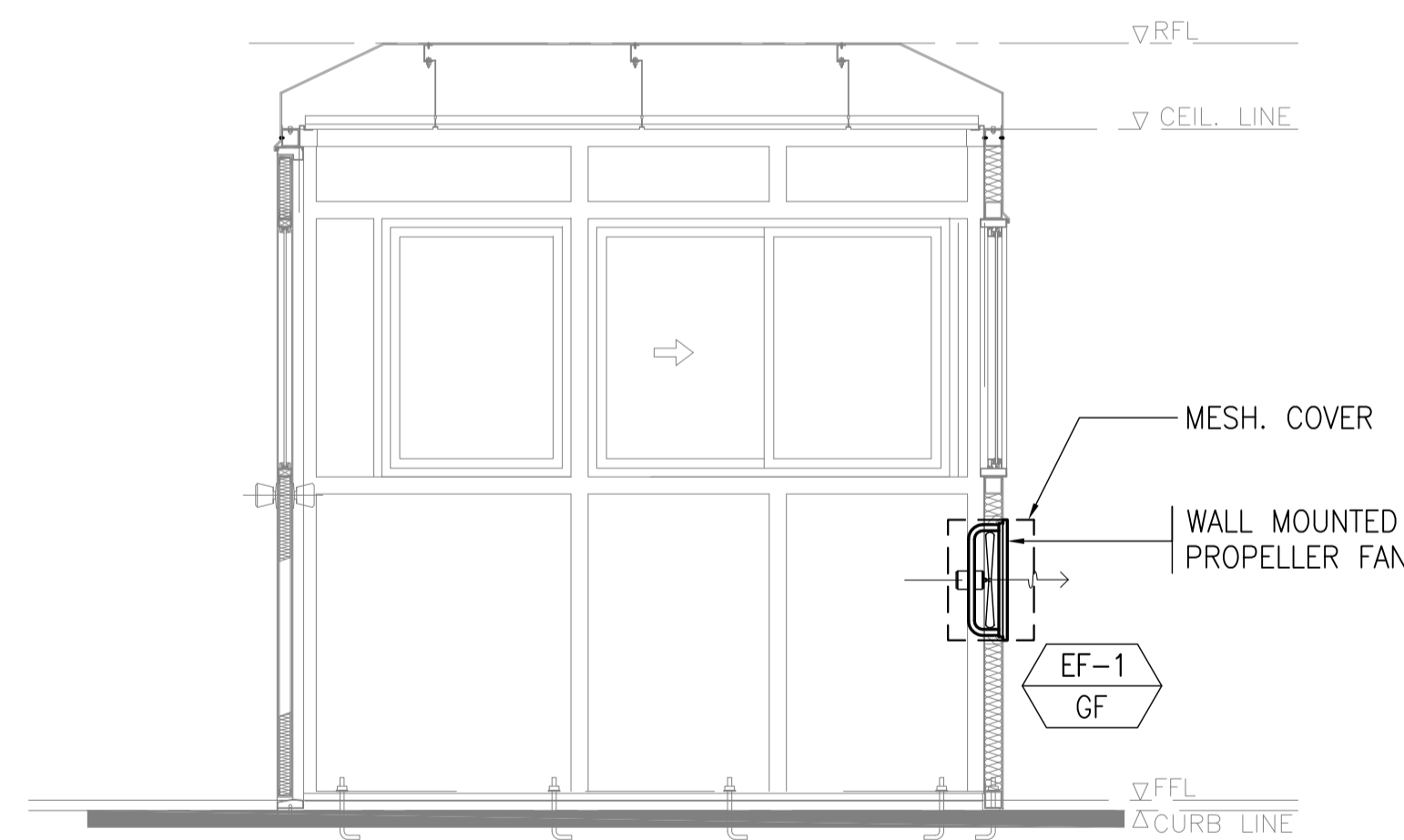
	PREPARED BY: LEOVIMEL J. VINELES Filipino Registered Engineer PROF. SANITARY ENGINEER PIR. 2024236 REG. NO.: 0002435 DATE: 07-09-2013 TEL. 237-652-802-000 PLACE: MANILA	RECOMMENDING APPROVAL: JILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B54) TOLLBOOTHS MECHANICAL SANITARY AND PLUMBING ROOF STORM DRAINAGE LAYOUT (TYPICAL) & GROUND LEVEL STORM DRAINAGE LAYOUT	SHEET NO: B54-5100-01 DRAWING SCALE: 1:50M
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NJS CONSULTANTS CO., LTD.	DATE: JUNE 2013 INDEX: AMENDMENTS: Prepared by: WIM, Checked by: HIC, Validated by:				

TOLL BOOTHS
EXHAUST FAN:

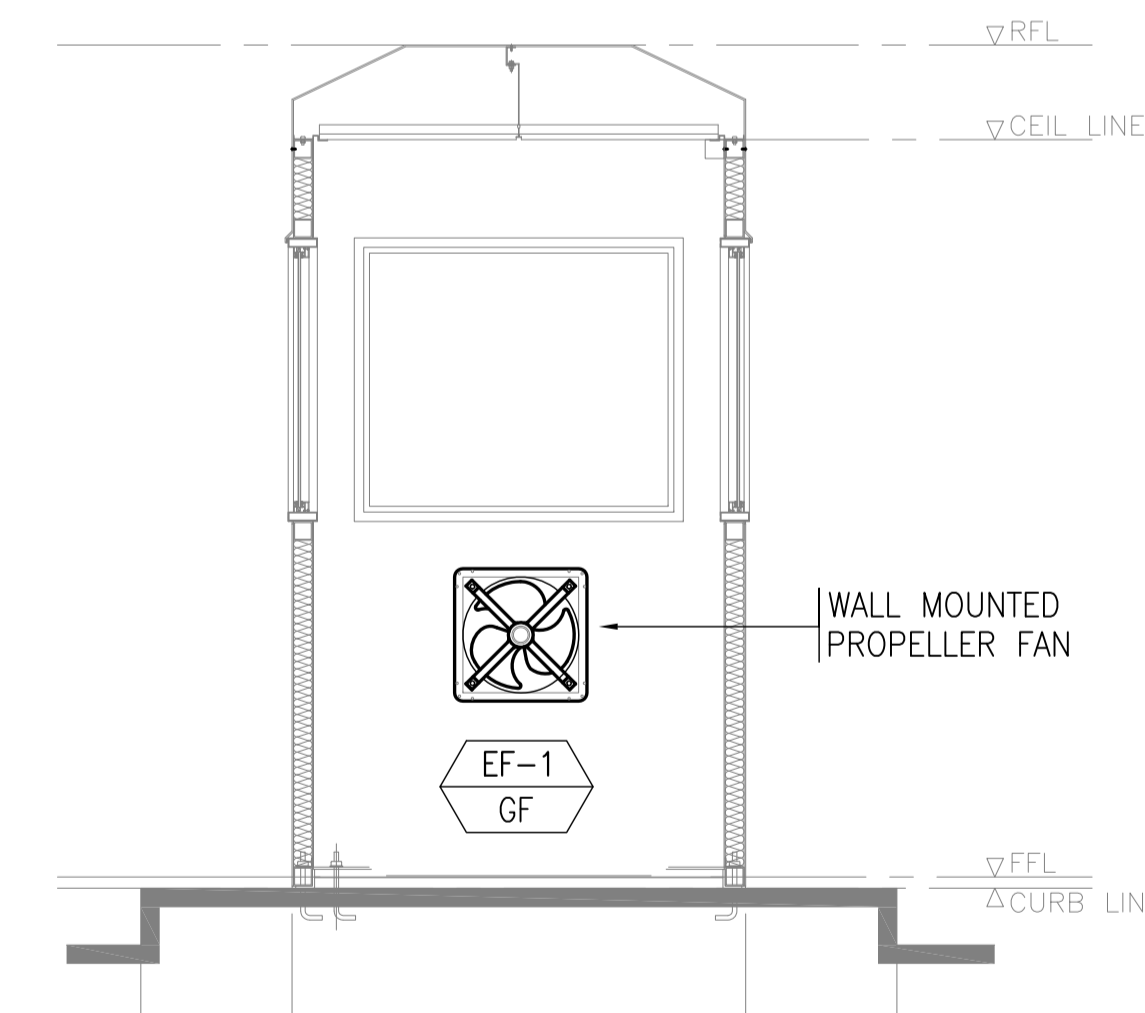
UNIT DESIGNATIONS	EQUIPMENT	AREA SERVED	QUANTITY	EQUIPMENT AIRFLOW (ps)	STATIC PRESSURE (Pa)	POWER INPUT (W)	ELECTRICAL CHARACTERISTICS			TYPE OF FAN
							VOLTS	PHASE	HERTZ	
EF-1 GF	EXHAUST FAN	TOLL BOOTHS	4	85	-	19	230	1	60	WALL MOUNTED PROPELLER FAN



1
B54-5200-01
TOLL BOOTHS VENTILATION LAYOUT
SCALE 1:20M

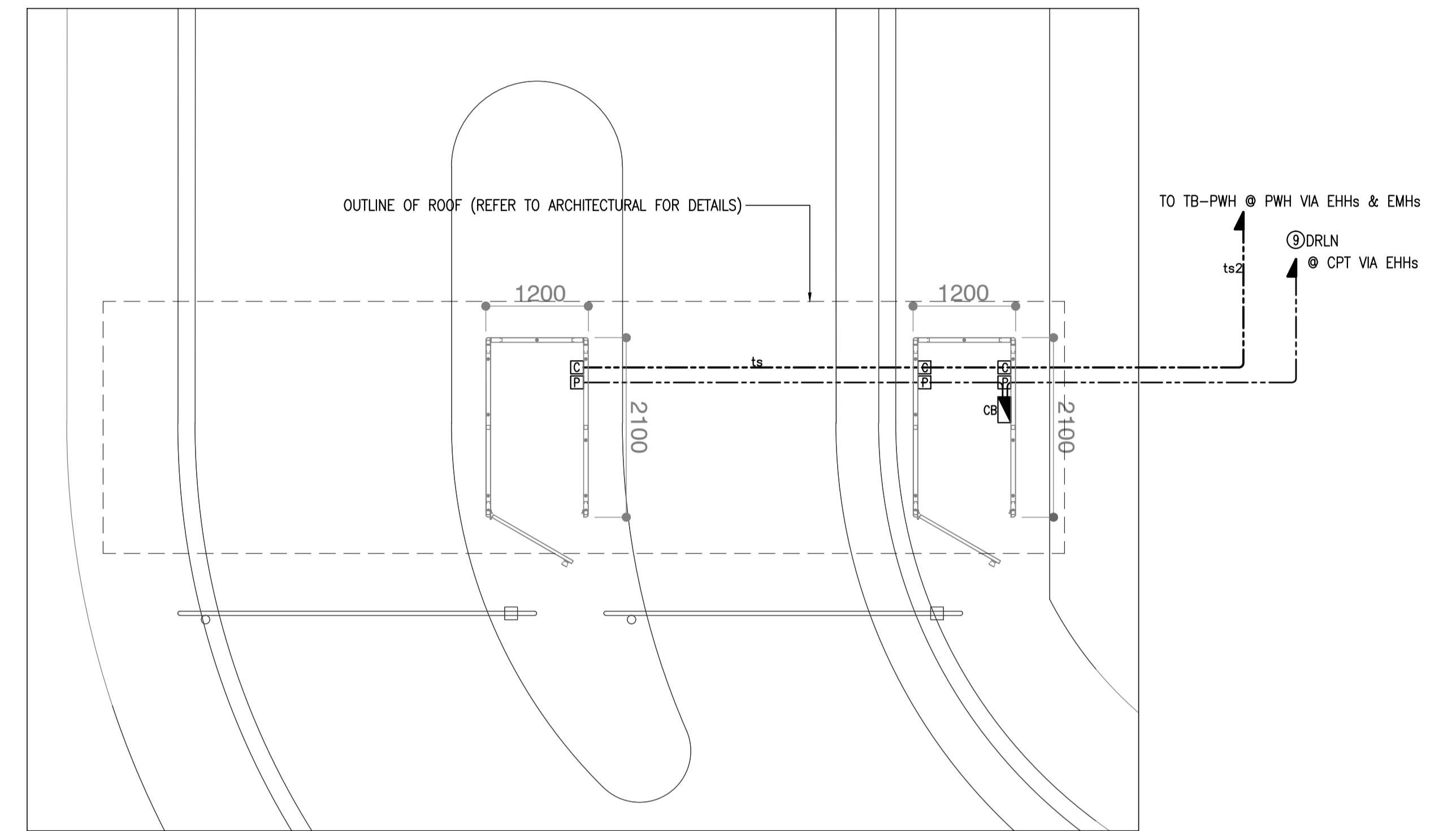
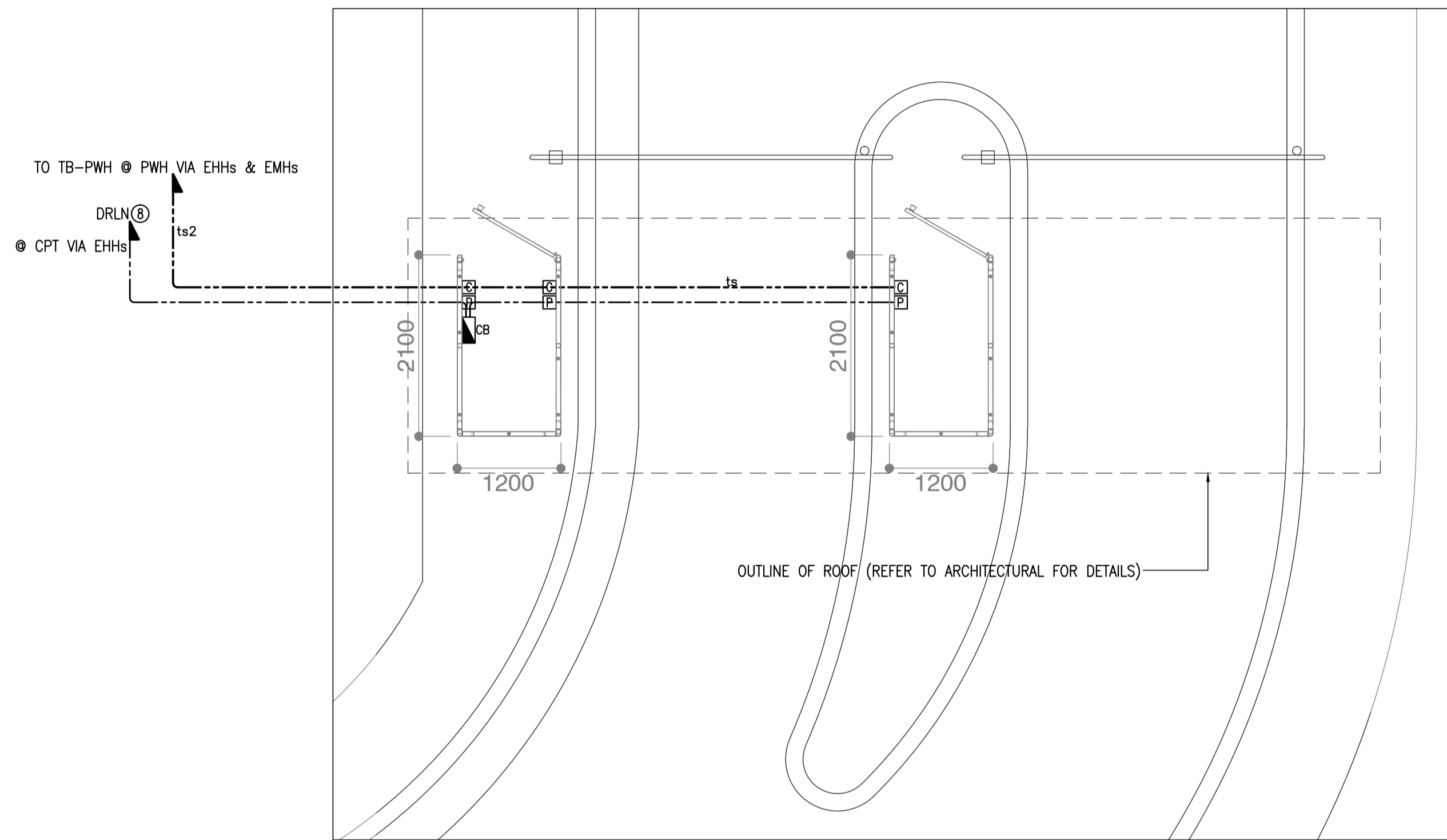


A
B54-5200-01
TOLL BOOTHS SECTION "A"
SCALE 1:20M



B
B54-5200-01
TOLL BOOTHS SECTION "B"
SCALE 1:20M

	PREPARED BY: RENATO A. ARRIOLA Filipino Registered Engineer PROF: MECHANICAL ENGINEER PIR. 1725187 REG. NO: 2379 DATE: JANUARY 01, 2013 TIN: 150-563-379 PLACE: TAGBILIG CITY	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	APPROVED: JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4: BUILDING WORKS (B) SUBCOMPONENT-4-5: ANCILLARY BUILDINGS (B54) TOLL BOOTHS	SHEET NO: B54-5200-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NJS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	ILDEFONSO T. PATDU, JR. Assistant Secretary for Project Implementation, DOTC	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	MECHANICAL VENTILATION AND AIR-CONDITIONING VENTILATION AND AIR-CONDITIONING AS SHOWN



NOTE: SEE SHEET NO. B51-6200-01 FOR PANEL SCHEDULE.

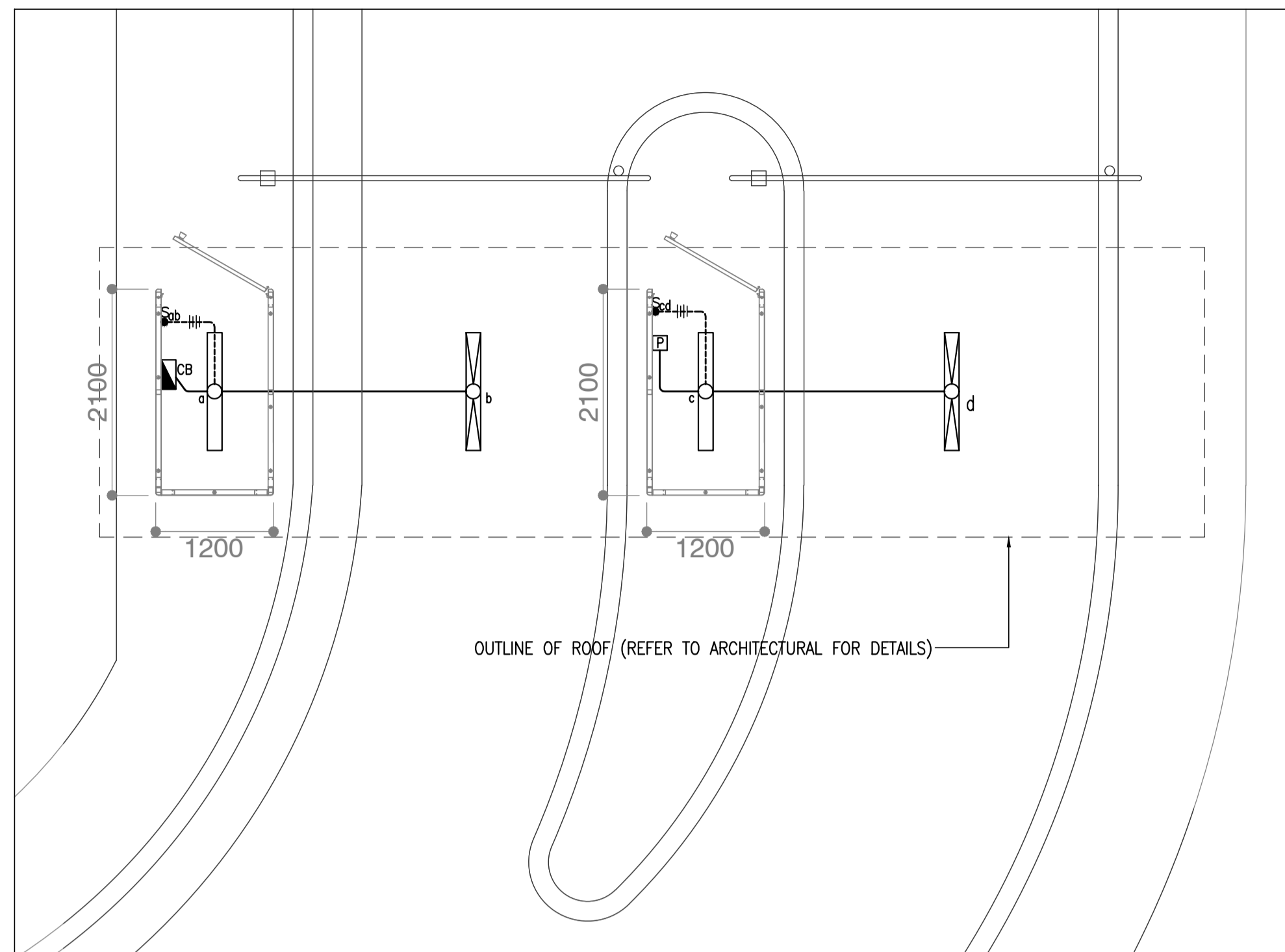
1 TOLL BOOTH-1 AND TOLL BOOTH-2
TLB-1&2 POWER & COMMUNICATION ROUTE PLAN
 B54-6100-01 GRAPHIC SCALE 0 1 2 5m

2 TOLL BOOTH-3 AND TOLL BOOTH-4
TLB-3&4 POWER & COMMUNICATION ROUTE PLAN
 B54-6100-01 GRAPHIC SCALE 0 1 2 5m

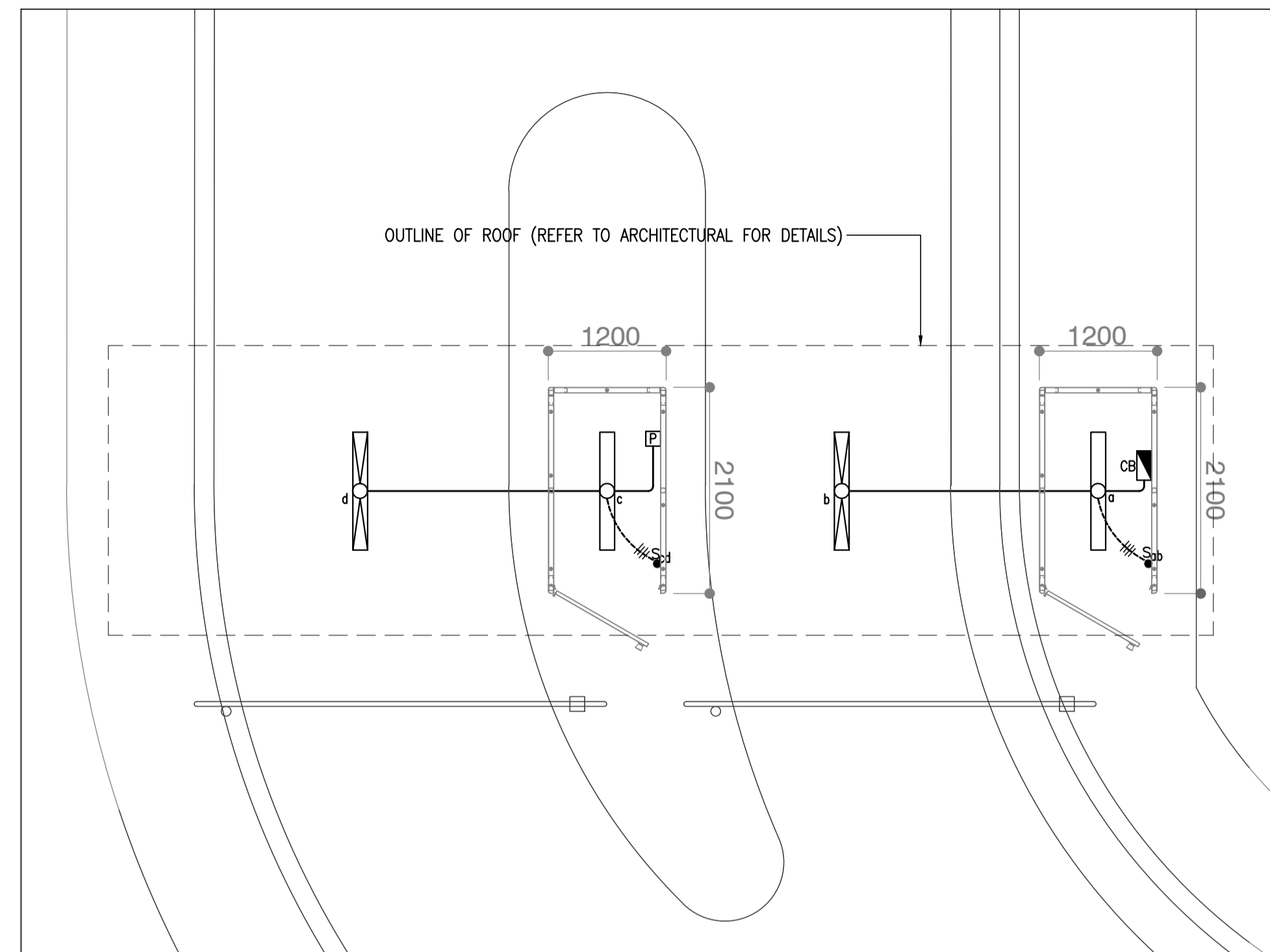
LEGEND:

- CB - 20AT, 100AF, 10kAIC 2P COM'L. TYPE CB IN NEMA-1 ENCLOSURE
- CP - PULLBOX, 150mm(SQ.) x 102mm(D) GA. 16 NEMA-1 (FOR COMMUNICATION ONLY)
- CP - PULLBOX, 200mm(SQ.) x 150mm(D) GA. 16 NEMA-1 (FOR POWER ONLY)

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary</small> <small>for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B54) Tollbooths ELECTRICAL ROUTE PLAN	SHEET NO: B54-6100-01
	JICA DESIGN CONSULTANT JOINT VENTURE	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary</small> <small>for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:



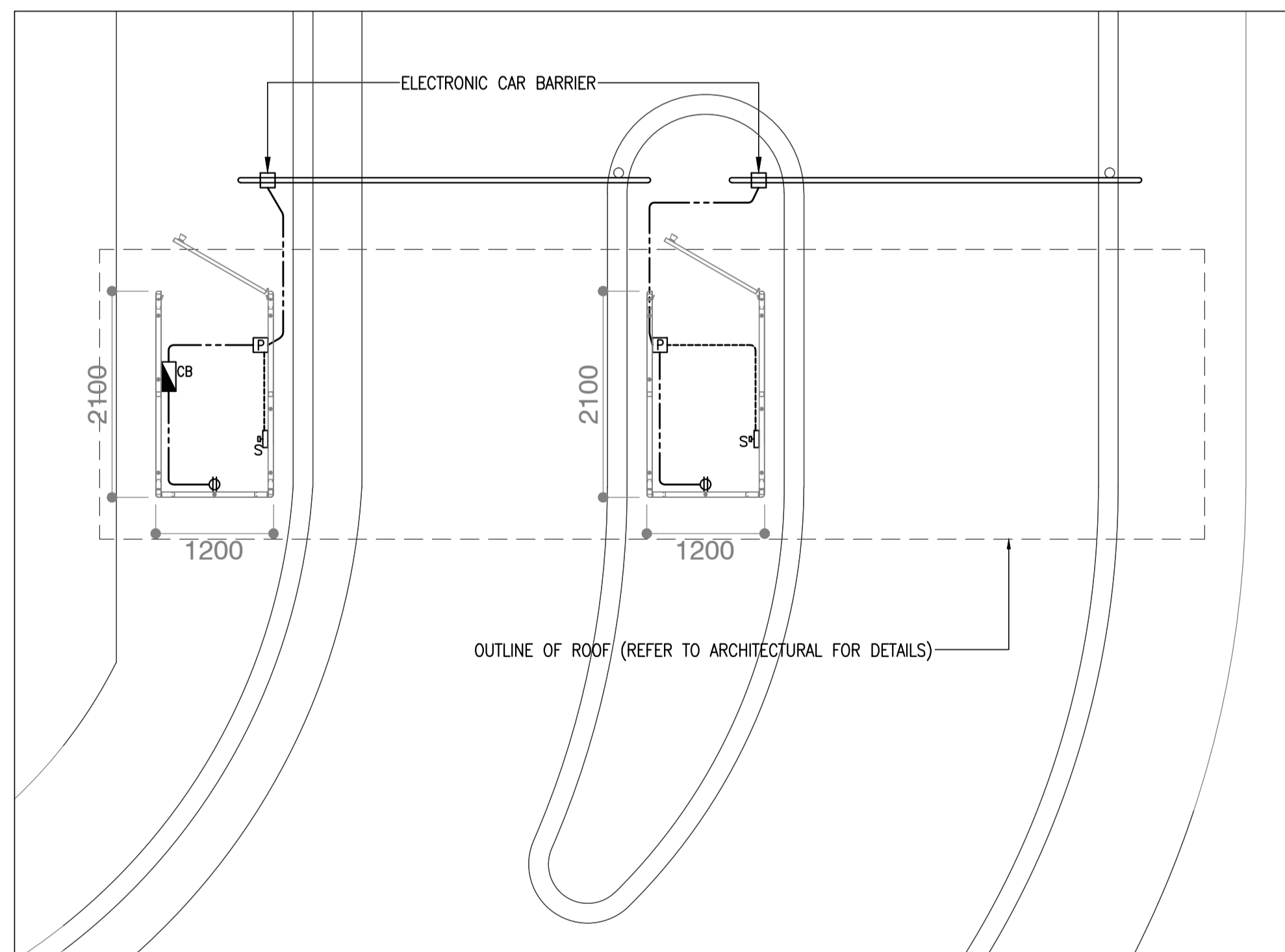
3 TOLL BOOTH-1 AND TOLL BOOTH-2
TLB-1&2 LIGHTING LAYOUT PLAN
 B54-6200-01 GRAPHIC SCALE 0 1 2 5m



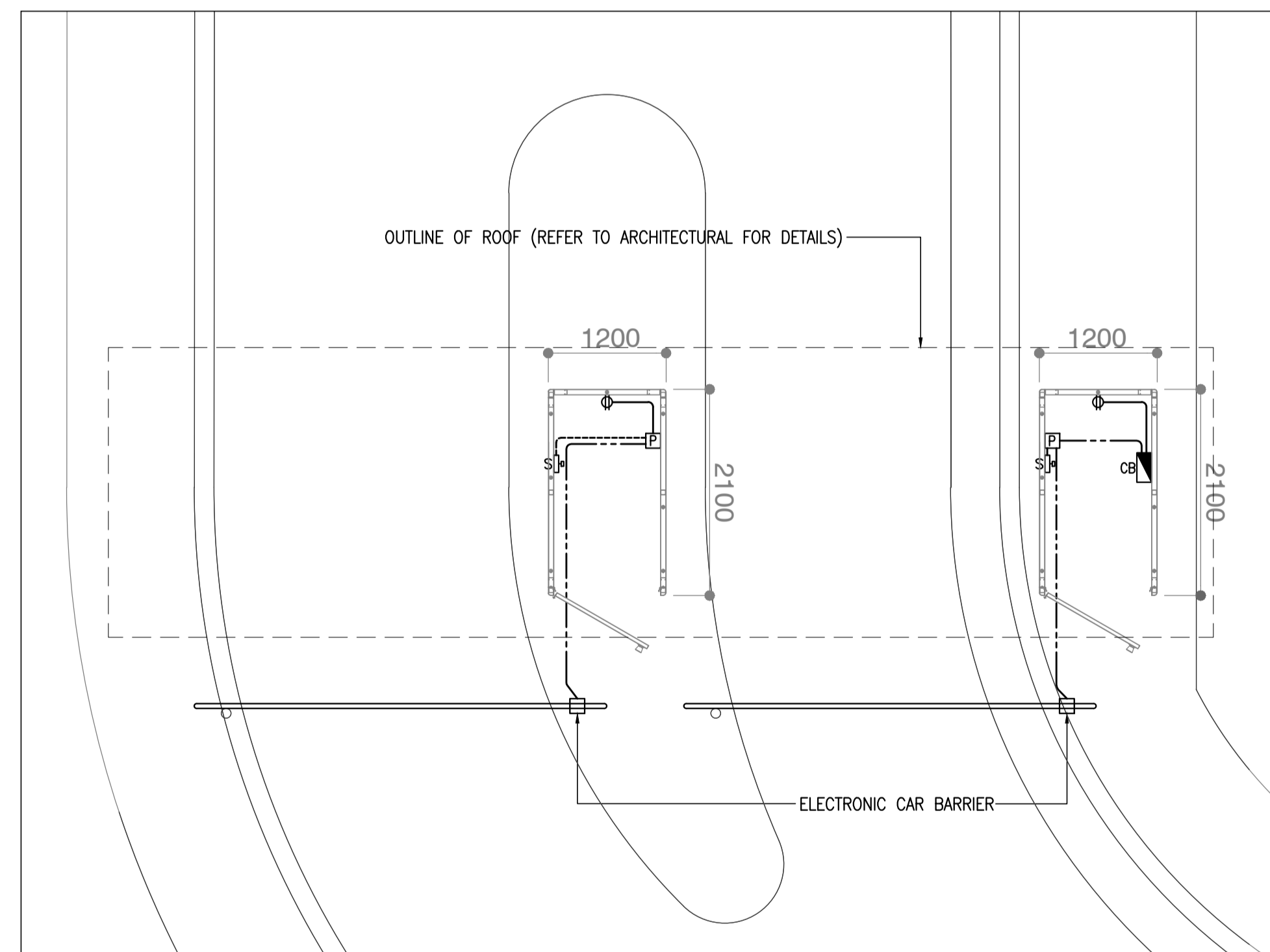
4 TOLL BOOTH-3 AND TOLL BOOTH-4
TLB-3&4 LIGHTING LAYOUT PLAN
 B54-6200-01 GRAPHIC SCALE 0 1 2 5m

LEGEND:

⊗ - SWITCH FOR ELECTRONIC CAR BARRIER

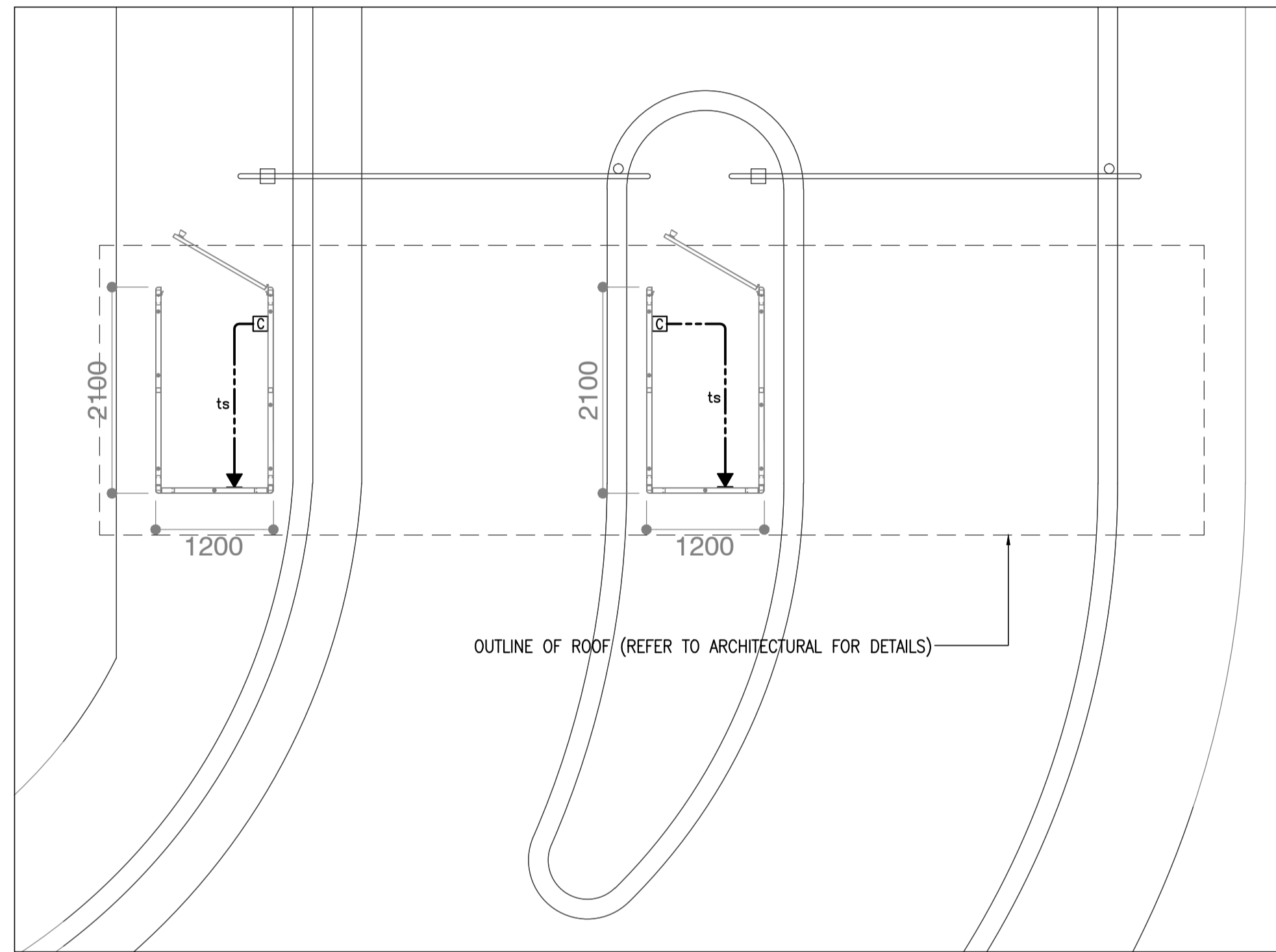


1 TOLL BOOTH-1 AND TOLL BOOTH-2
TLB-1&2 RECEPTACLE LAYOUT PLAN
 B54-6200-01 GRAPHIC SCALE 0 1 2 5m

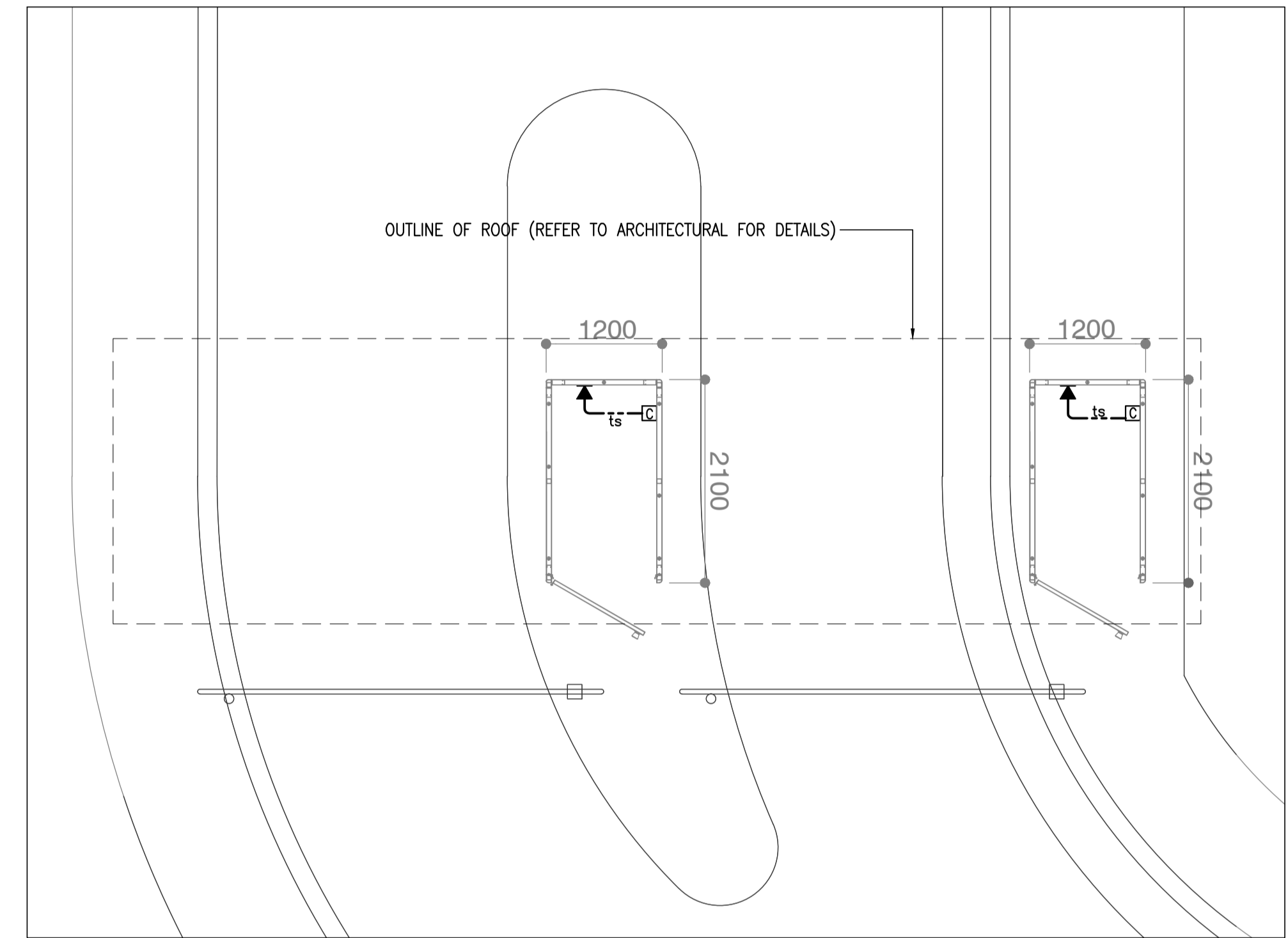


2 TOLL BOOTH-3 AND TOLL BOOTH-4
TLB-3&4 RECEPTACLE LAYOUT PLAN
 B54-6200-01 GRAPHIC SCALE 0 1 2 5m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.M.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED BY: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B54) Tollbooths ELECTRICAL RECEPTACLE & LIGHTING LAYOUT	SHEET NO: B54-6200-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	JAPAN INTERNATIONAL COOPERATION AGENCY JICA	TADASHI AOI <small>Team Leader</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE: JUNE 2013 INDEX: AMENDMENTS: Prepared by: WIM Checked by: HC Validated by:	DRAWING SCALE: 1:50 m



1 TOLL BOOTH-1 AND TOLL BOOTH-2
TLB-1&2 TELEPHONE SYSTEM PLAN
 B54-6300-01 GRAPHIC SCALE 0 1 2 3.5



2 TOLL BOOTH-3 AND TOLL BOOTH-4
TLB-3&4 TELEPHONE SYSTEM PLAN
 B54-6300-01 GRAPHIC SCALE 0 1 2 5m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-5 (B54) Tollbooths ELECTRICAL TELEPHONE LAYOUT	SHEET NO: B54-6300-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX AMENDMENTS Prepared by Checked by Validated by