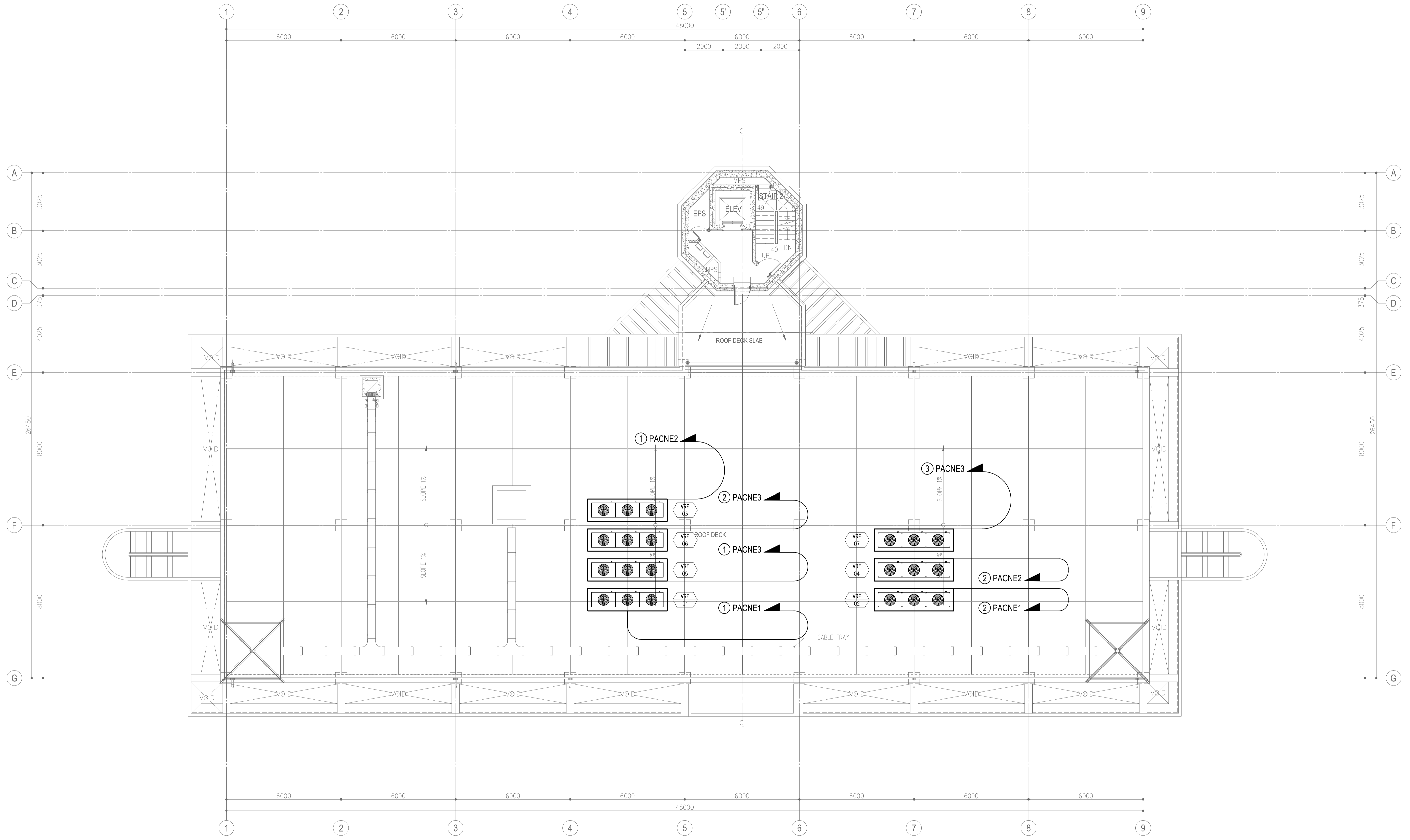


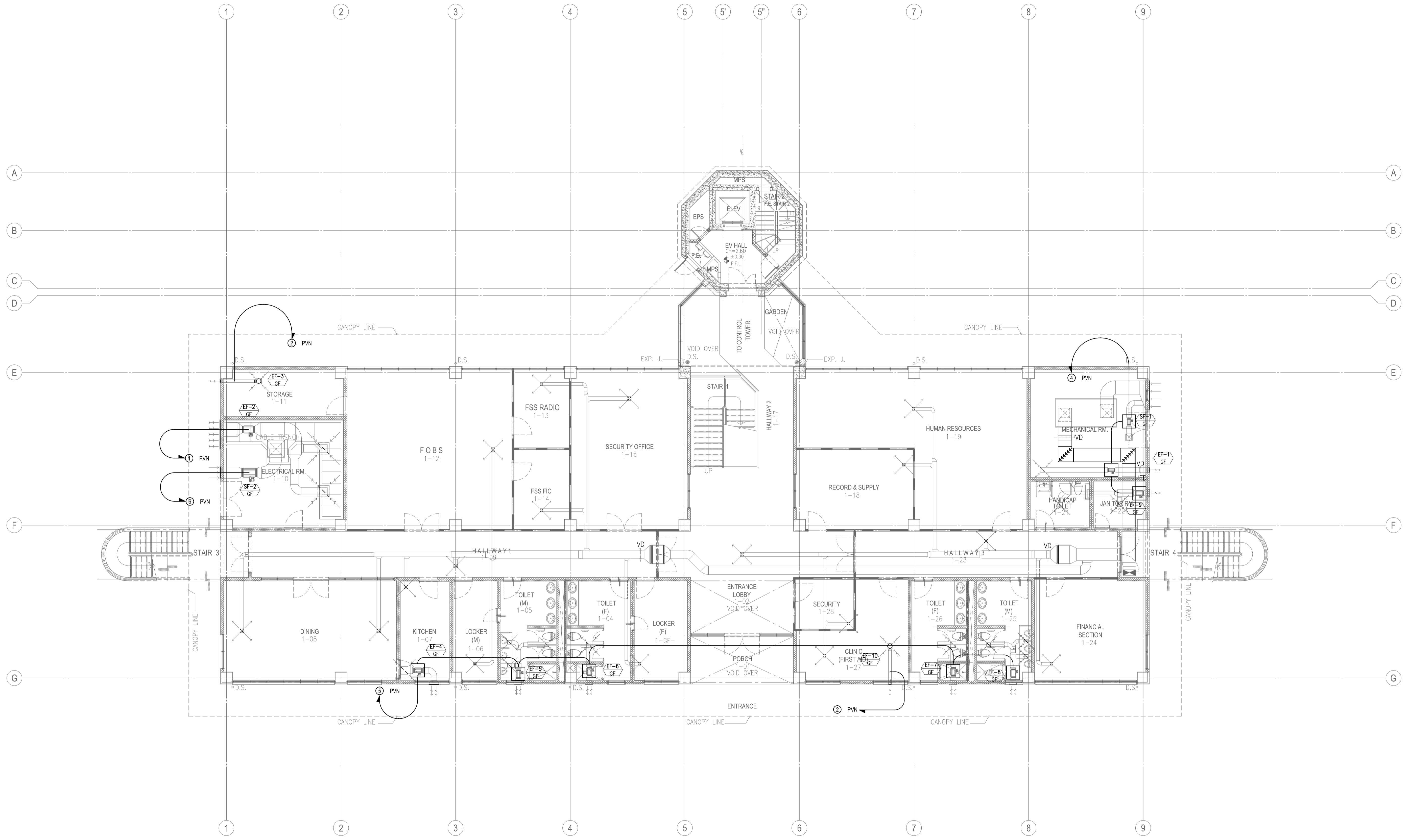
1 SECOND FLOOR AIR-CONDITIONING LAYOUT
SCALE 1:100M

	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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR PWR FEEDER2 (FCU)	SHEET NO: B3-6100-07 DRAWING SCALE: 1:100
	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>	JUN 2013 DATE INDEX AMENDMENTS Prepared by WIM Checked by HC Validated by			



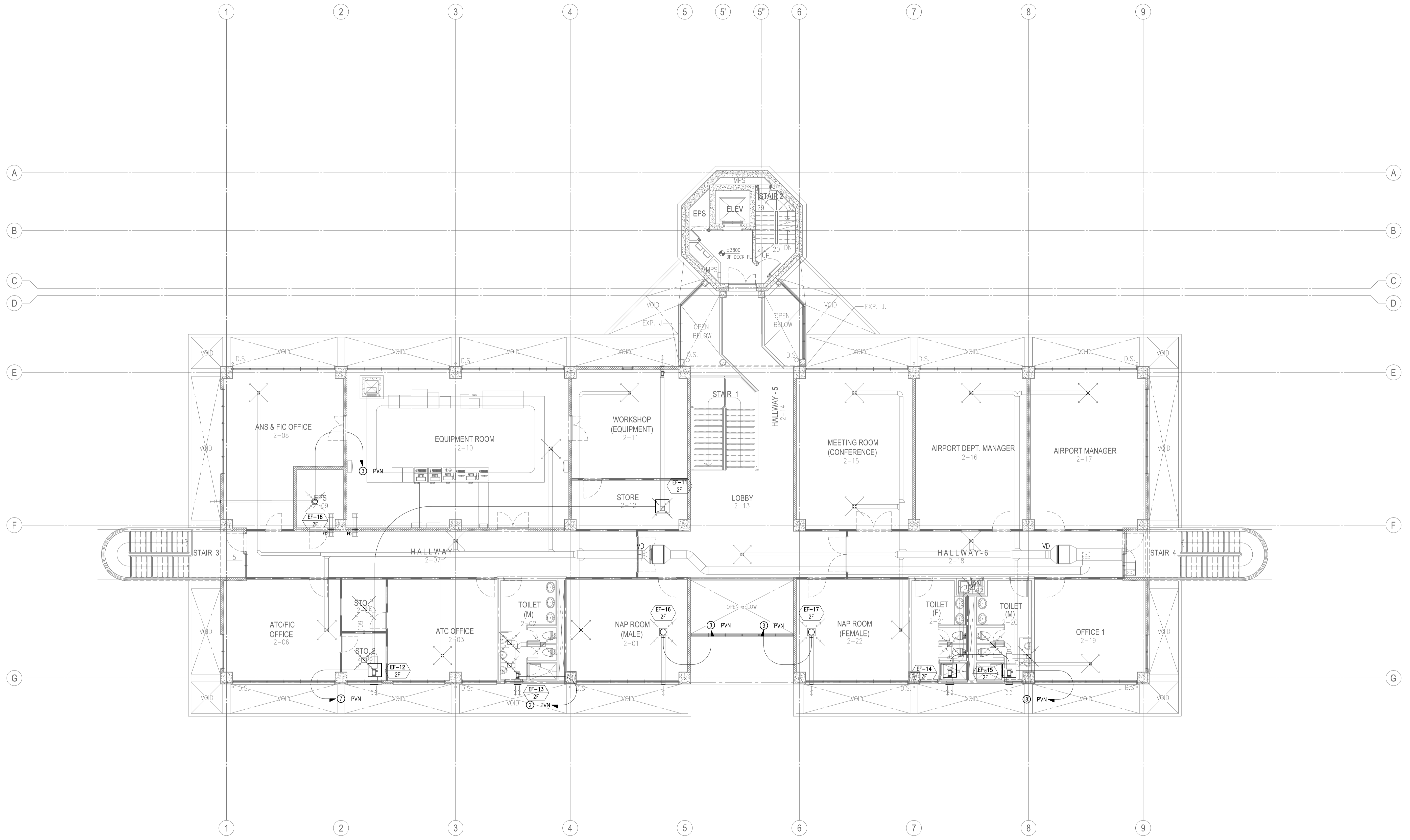
1 ROOF DECK AIR-CONDITIONING LAYOUT
SCALE 1:100M

	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: JULJANTO 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 3RD FLR PWR FEEDER3 (FCU)	SHEET NO: B3-6100-08
	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>	JULJANTO 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: _____ Checked by: _____ Validated by: _____	DRAWING SCALE: 1:100



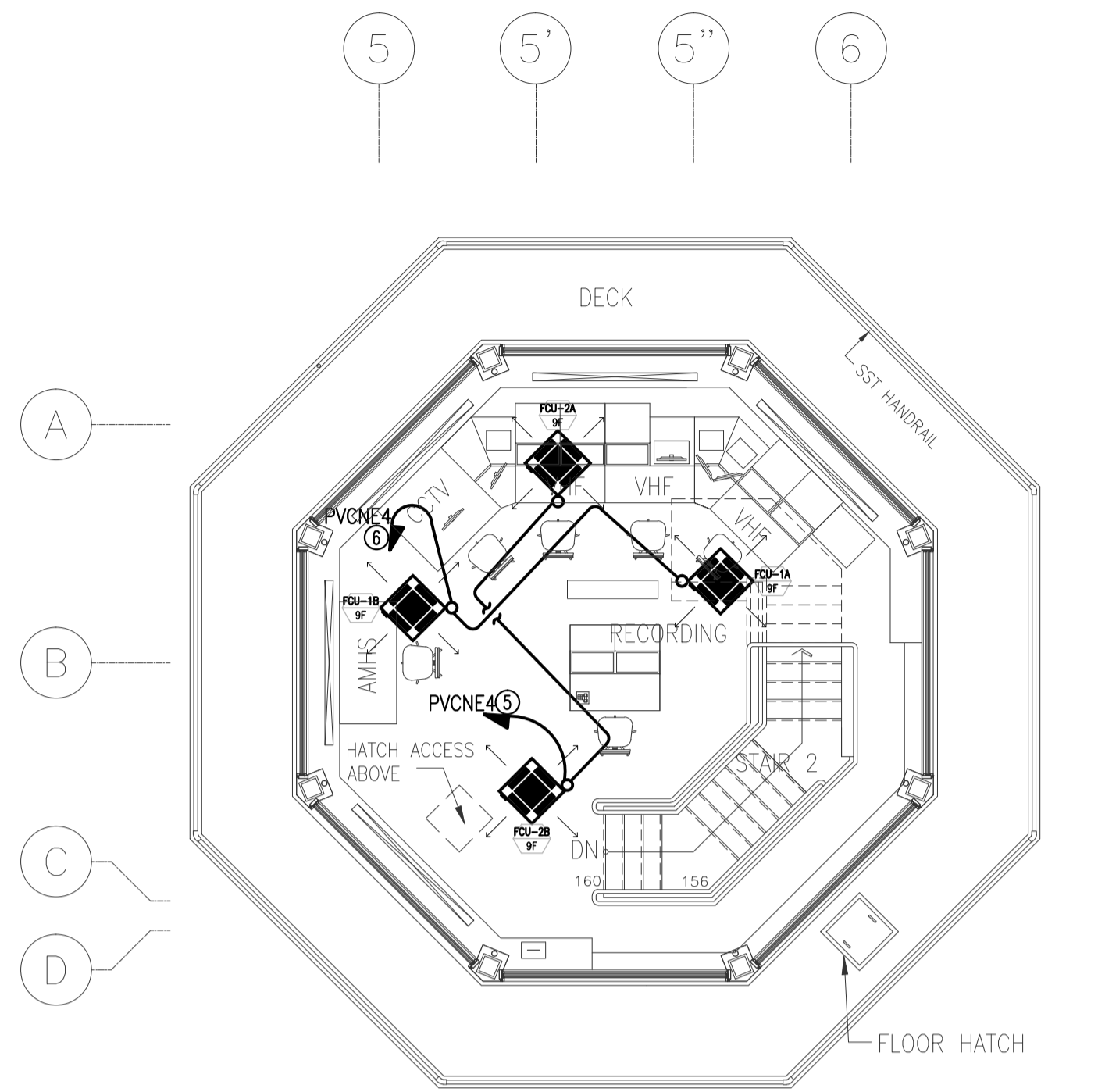
1 VENTILATION LAYOUT
SCALE 1:100M

	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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR PWR FEEDER1 (VF)	SHEET NO: B3-6100-09 DRAWING SCALE: 1:100
	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>	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: _____	WIM HC

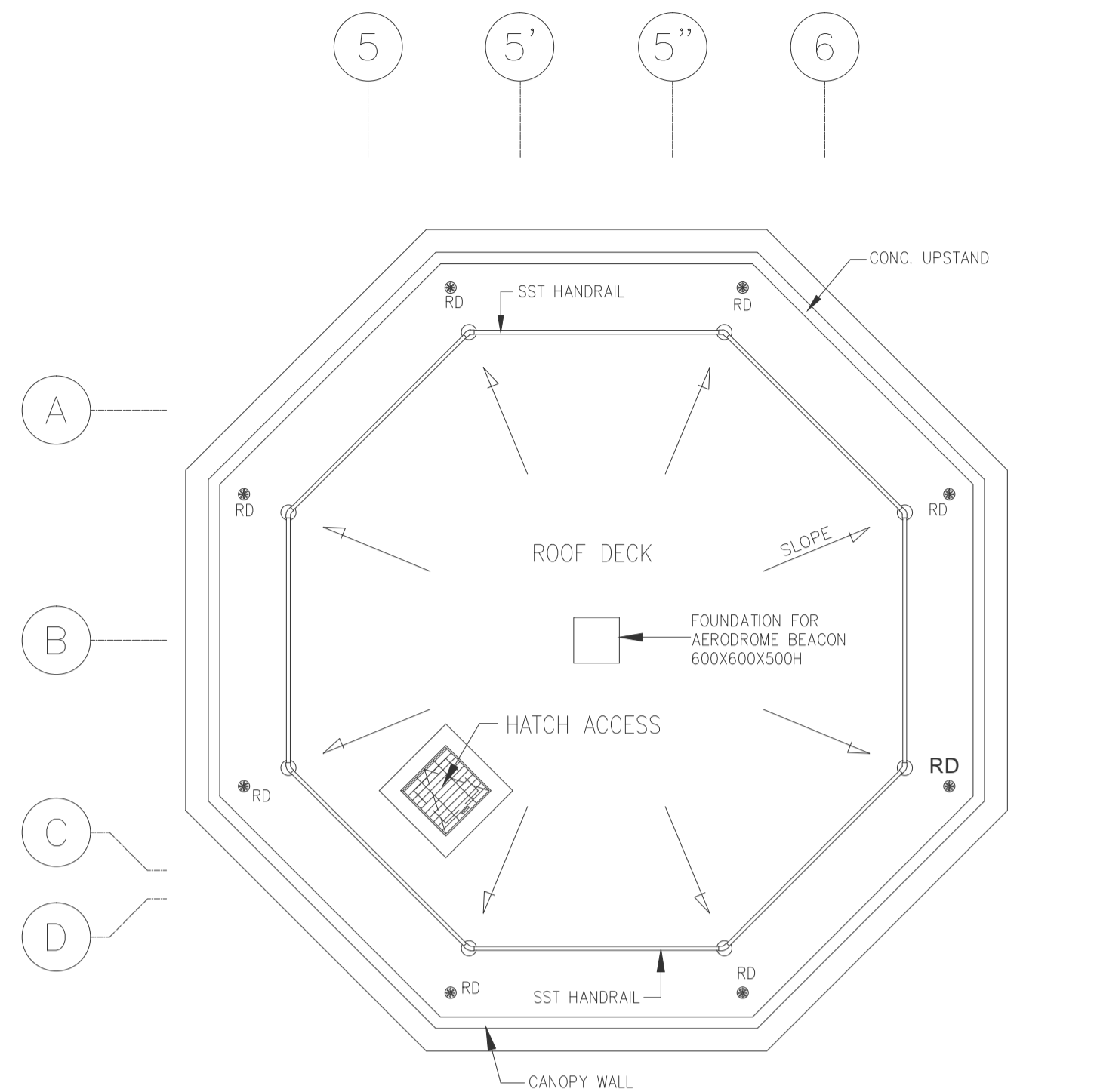


1 SECOND FLOOR VENTILATION LAYOUT
SCALE 1:100M

	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 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR PWR FEEDER2 (VF)	SHEET NO: B3-6100-10 DRAWING SCALE: 1:100
	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: JUNE 2013 INDEX AMENDMENTS Prepared by: WIM Checked by: HC Validated by:	



4 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
9TH FLR POWER FEEDER SYSTEM PLAN
 B3-6100-09 / GRAPHIC SCALE



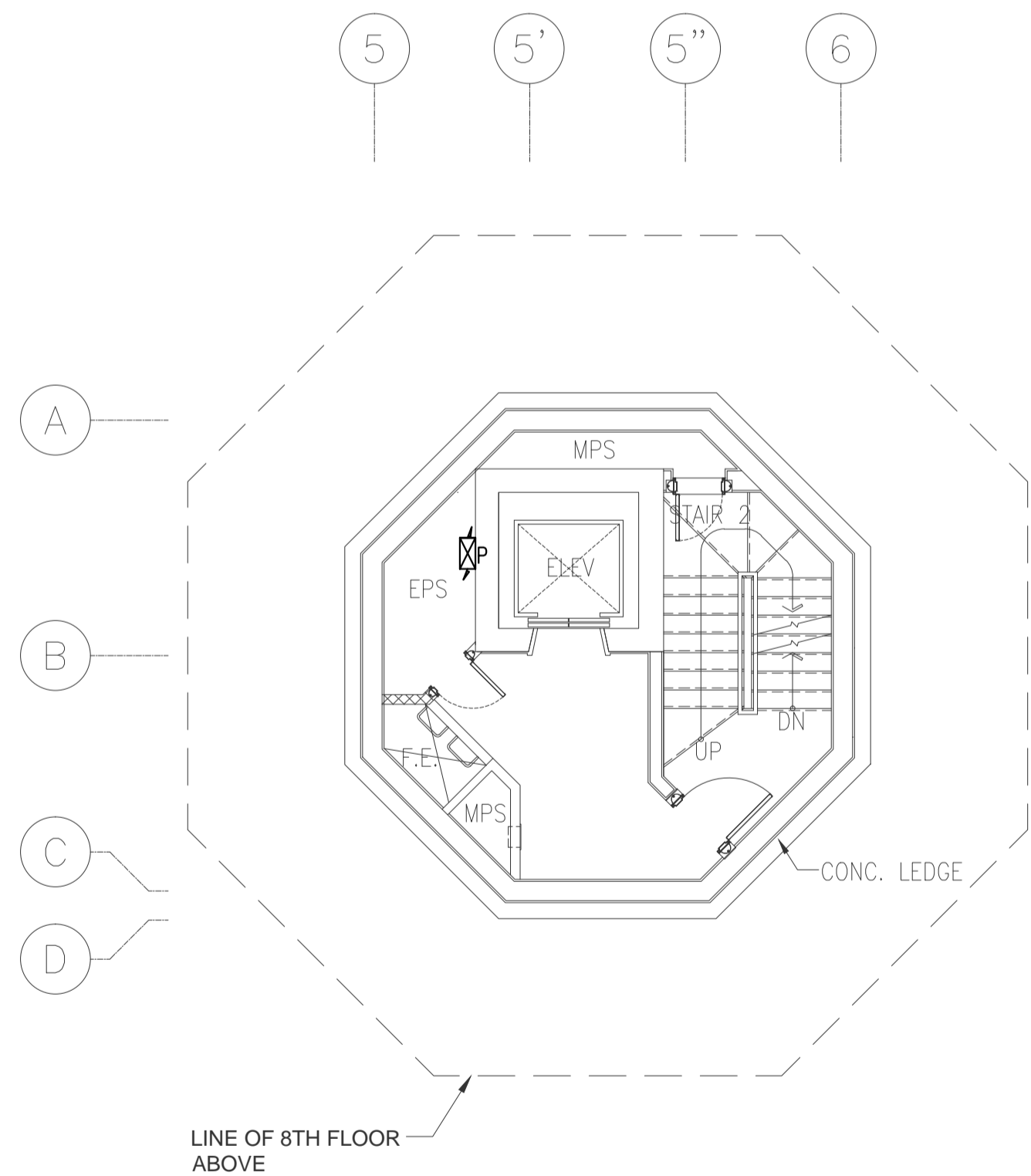
5 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
ROOF DECK POWER FEEDER SYSTEM PLAN
 B3-6100-09 / GRAPHIC SCALE



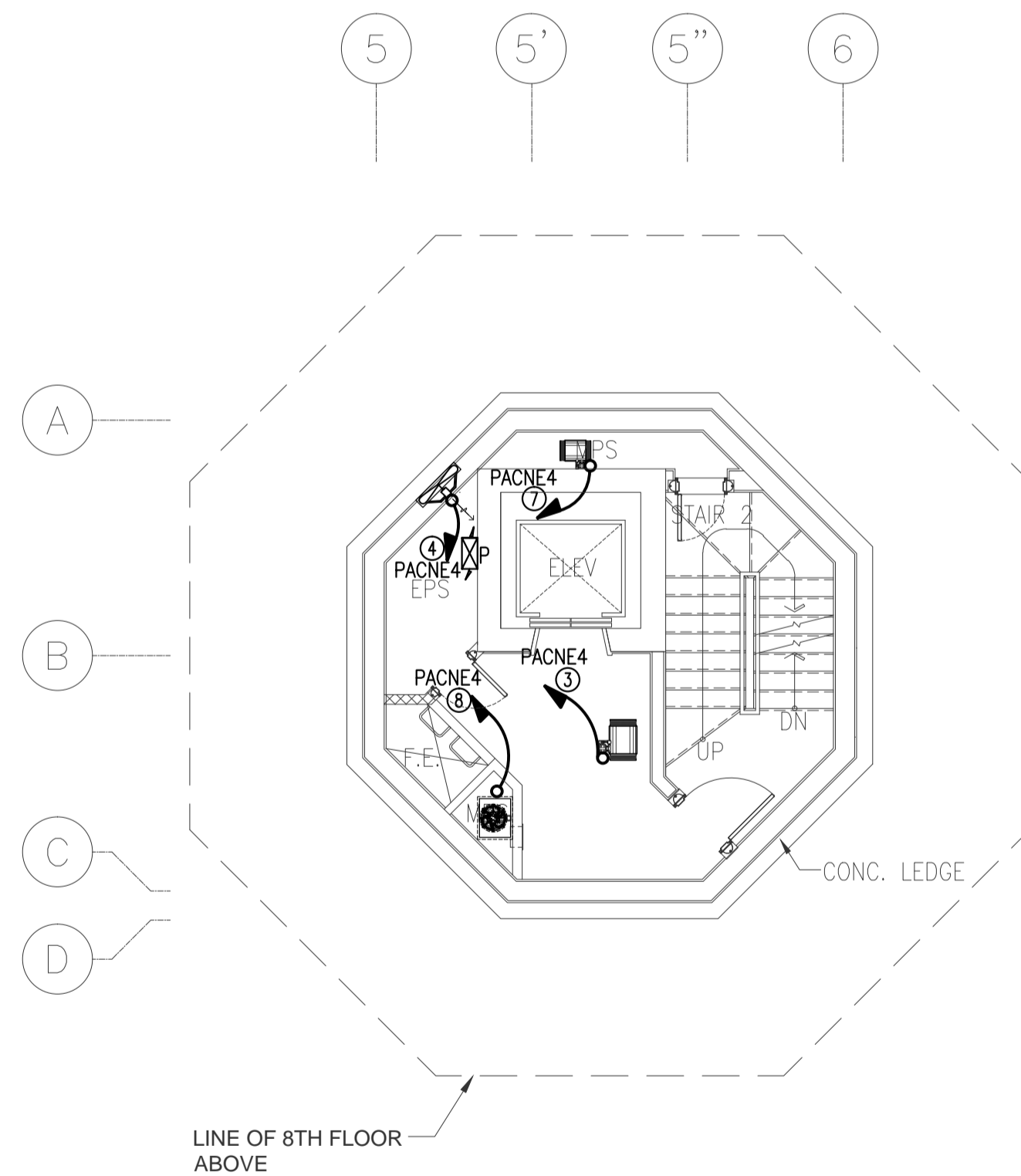
EQUIPMENT/ACCESSORIES SCHEDULE:

WH DS-MT	MANUAL DISCONNECT SWITCH 40A 2PST 250V QUICK-MAKE, QUICK-BREAK HEAVY DUTY NON-FUSIBLE NEMA-3R (WATERTIGHT) STAINLESS STEEL ENCL.
WH DS-FT	- ditto -

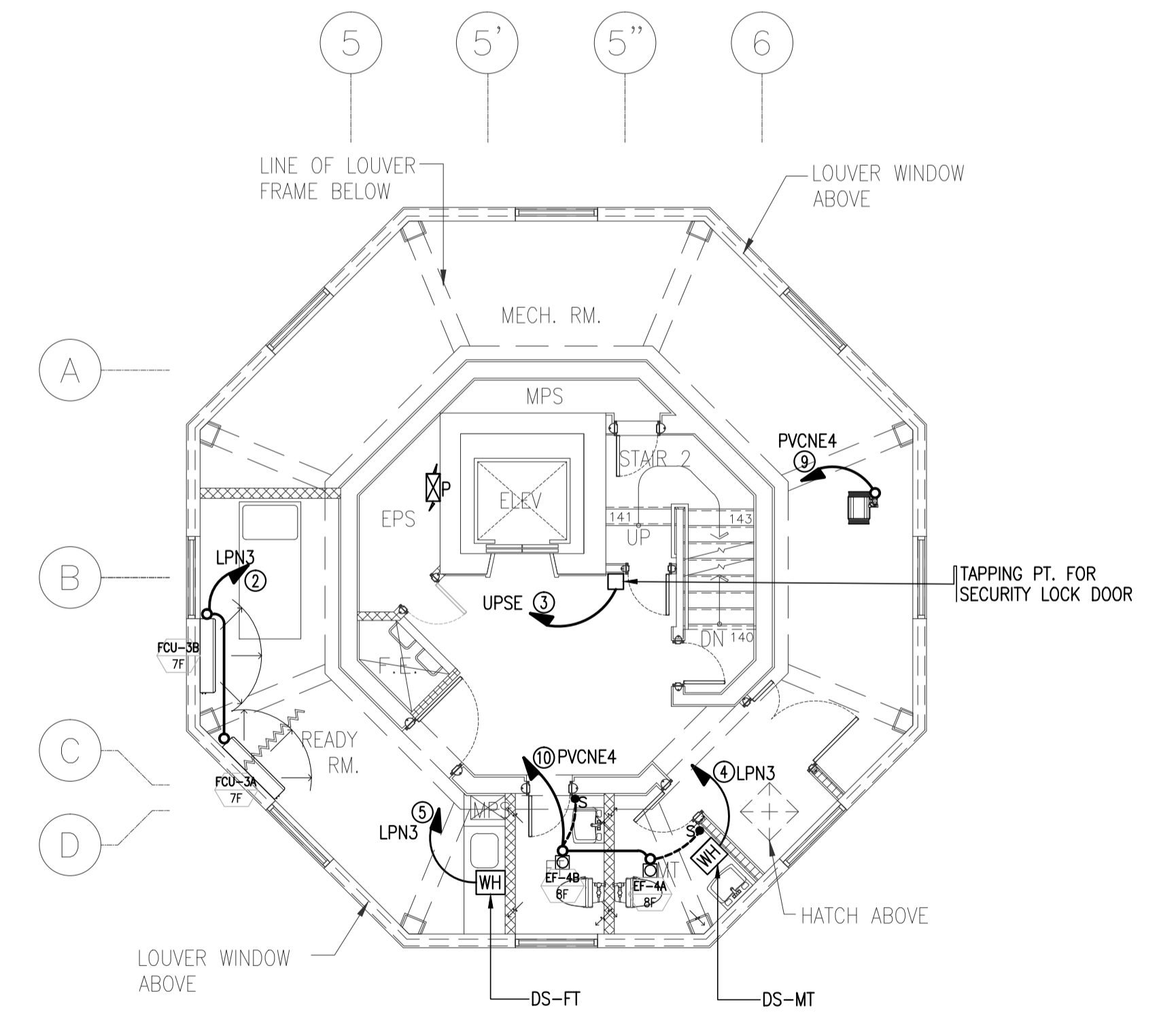
NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.



1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
4TH-6TH FLR (TYPICAL) POWER FEEDER SYSTEM PLAN
 B3-6100-09 / GRAPHIC SCALE



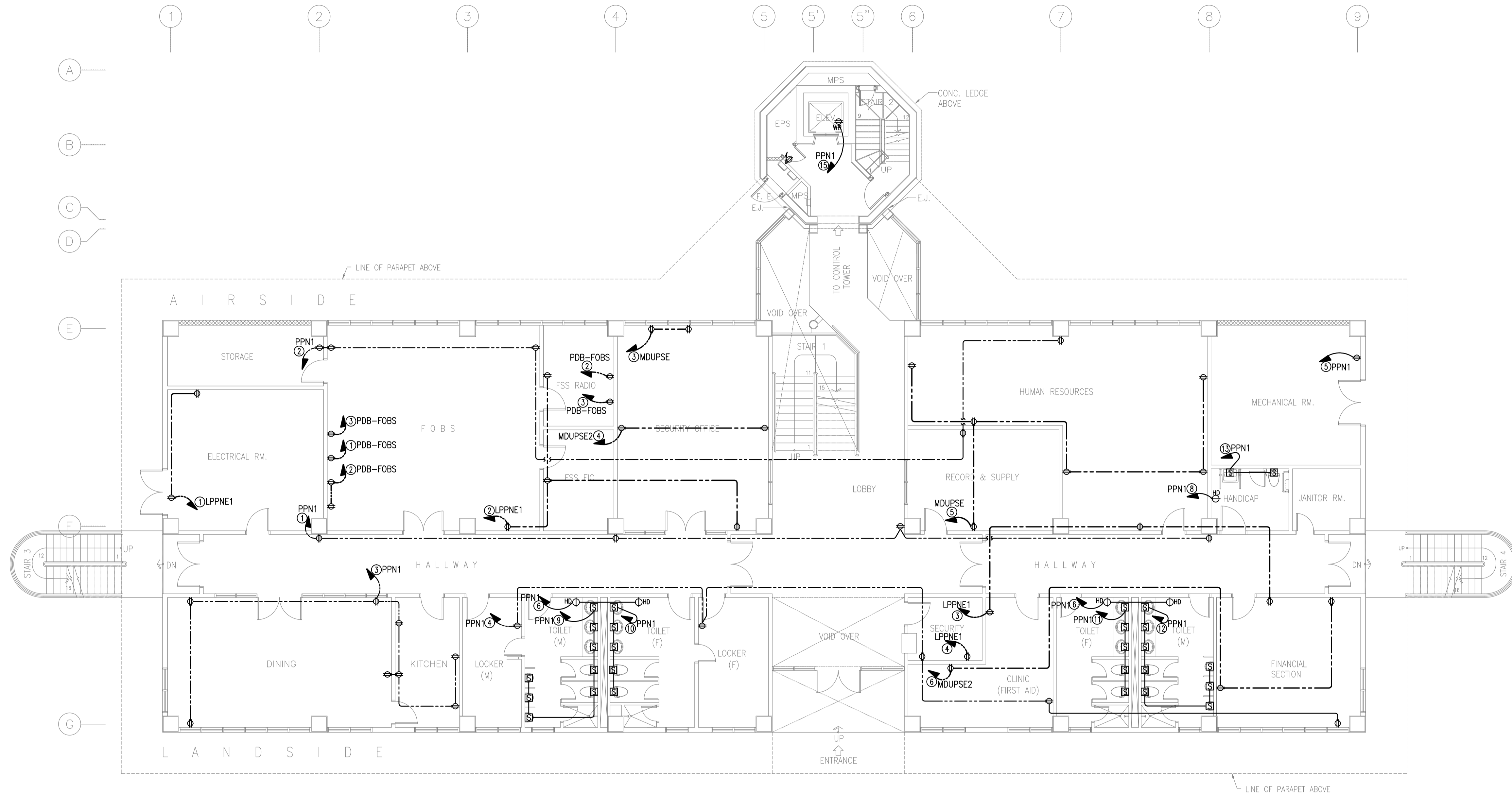
2 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
7TH FLR POWER FEEDER SYSTEM PLAN
 B3-6100-09 / GRAPHIC SCALE



3 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
8TH FLR POWER FEEDER SYSTEM PLAN
 B3-6100-09 / GRAPHIC SCALE



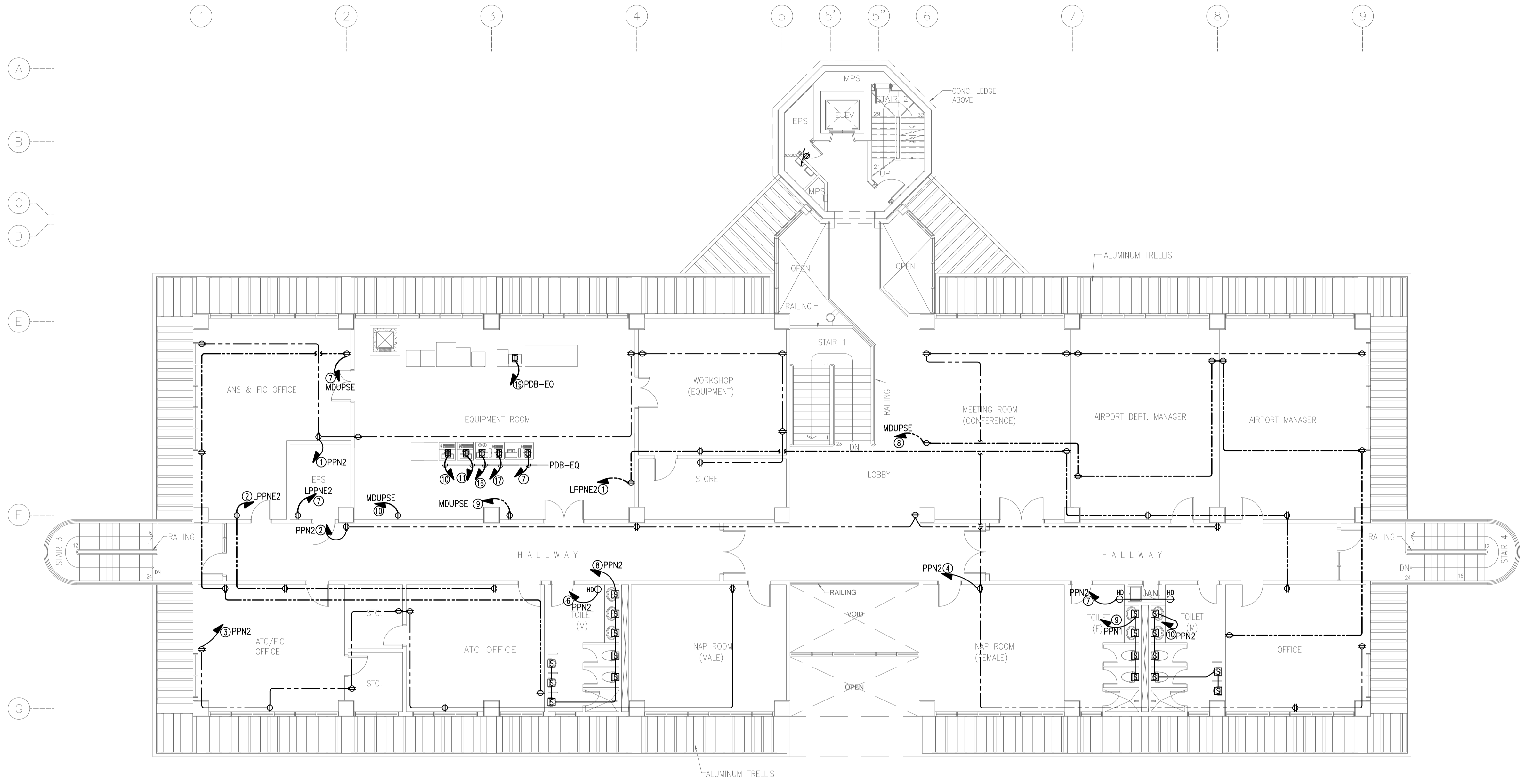
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. PROF. ELECTRICAL ENGINEER PIR 1403773</small> <small>RES. NO. 1927 DATE: 1-04-13</small> <small>TEAM 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: JILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 4TH-9TH FLR PWR FEEDER (FCU&VF)	SHEET NO: B3-6100-11
	JICA DESIGN CONSULTANT JOINT VENTURE	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>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	SHEET SCALE: 1:75 m



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

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR RECEPTACLE LAYOUT PLAN
 B3-6200-01 GRAPHIC SCALE 0 1 2 5 10m

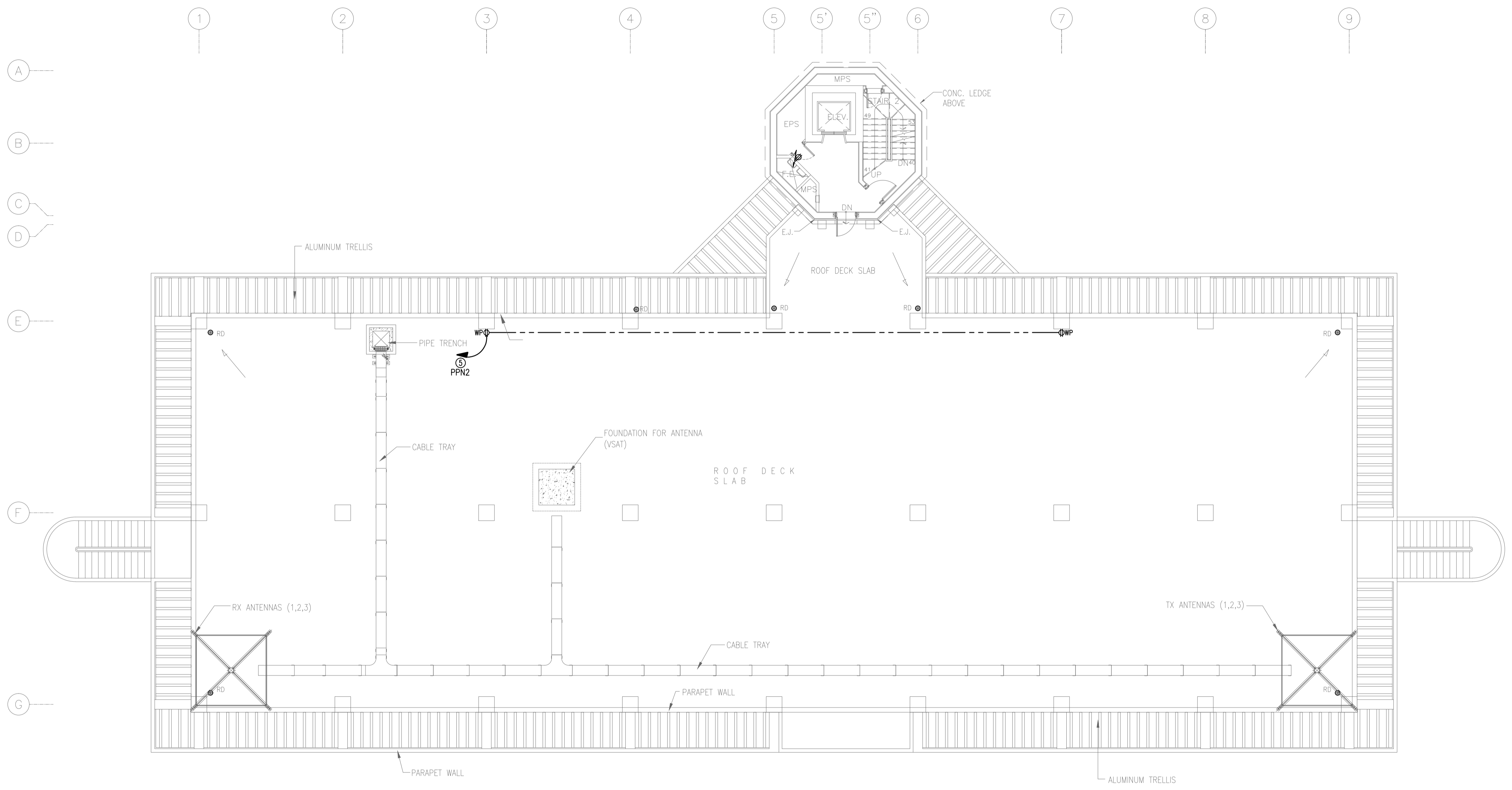
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR RECEPTACLE	SHEET NO: B3-6200-01 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE JAC 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	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 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR RECEPTACLE LAYOUT PLAN
 B3-6200-02 GRAPHIC SCALE 0 1 2 5 10m

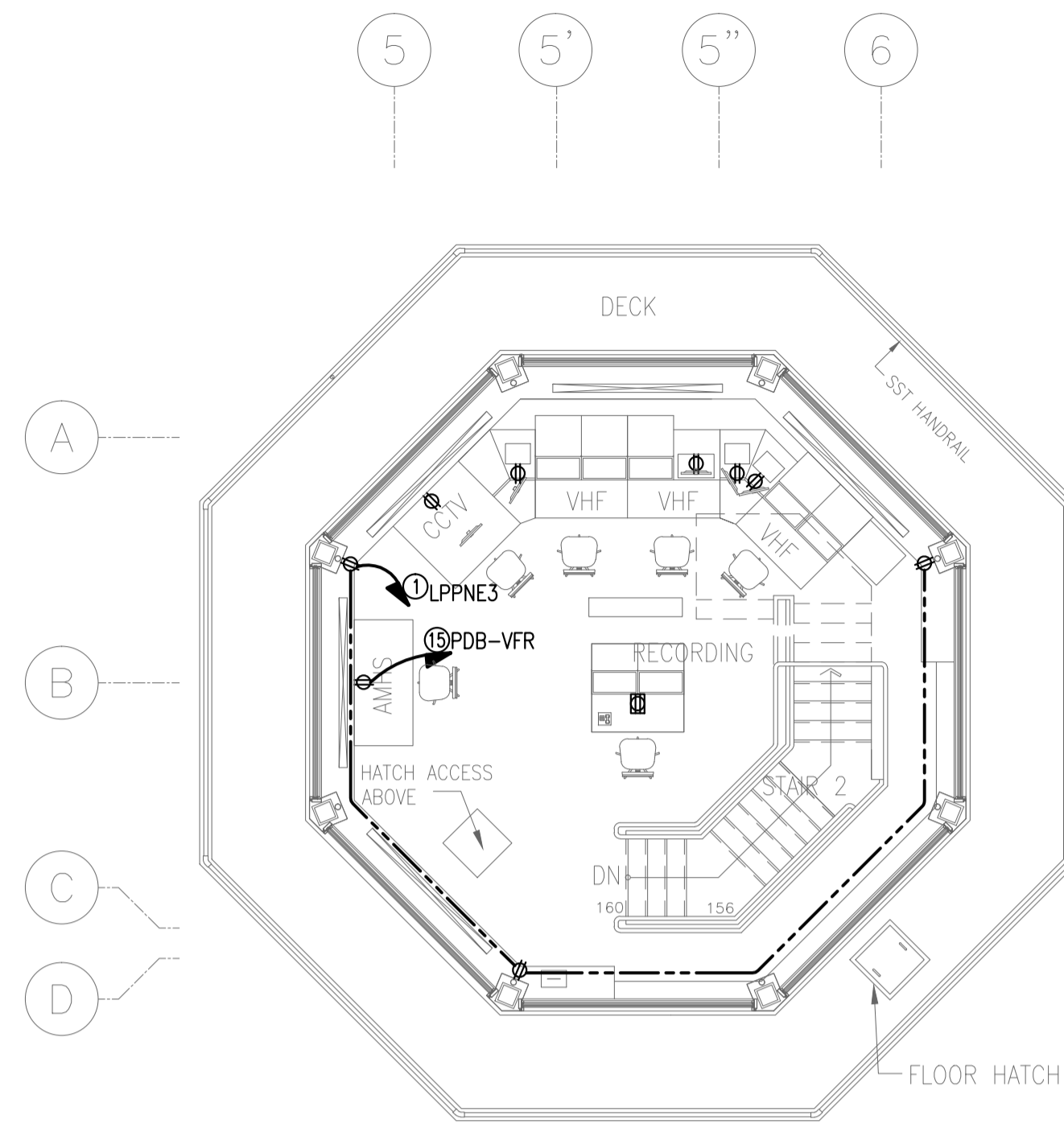
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR RECEPTACLE	SHEET NO: B3-6200-02 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.</small>	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:	



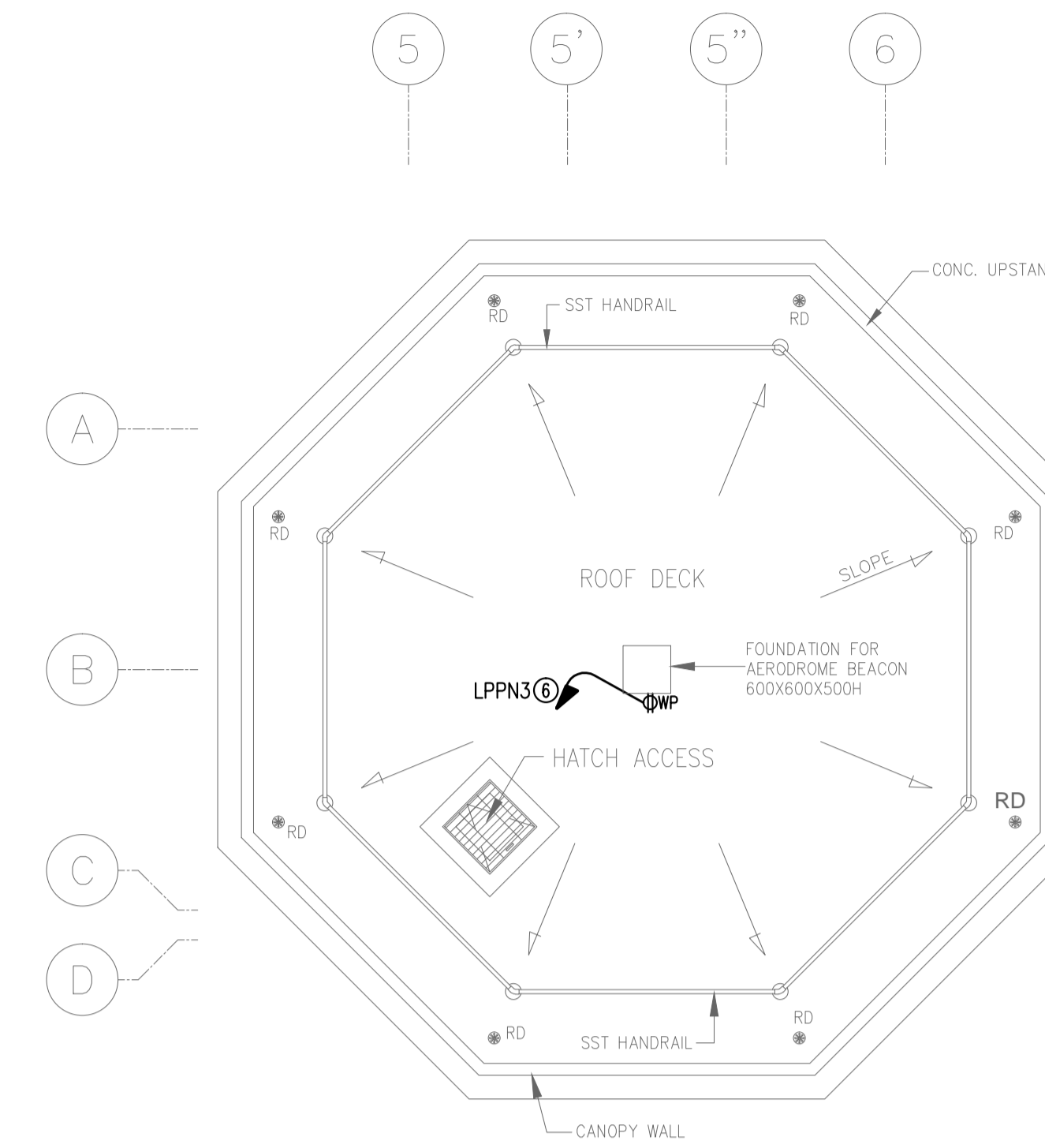
NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
3RD FLR (ROOF DECK) RECEPTACLE LAYOUT PLAN
 B3-6200-03 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 3RD FLR RECEPTACLE	SHEET NO: B3-6200-03 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAC JAPAN AIRPORT CONSULTANTS, INC.</small>	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:

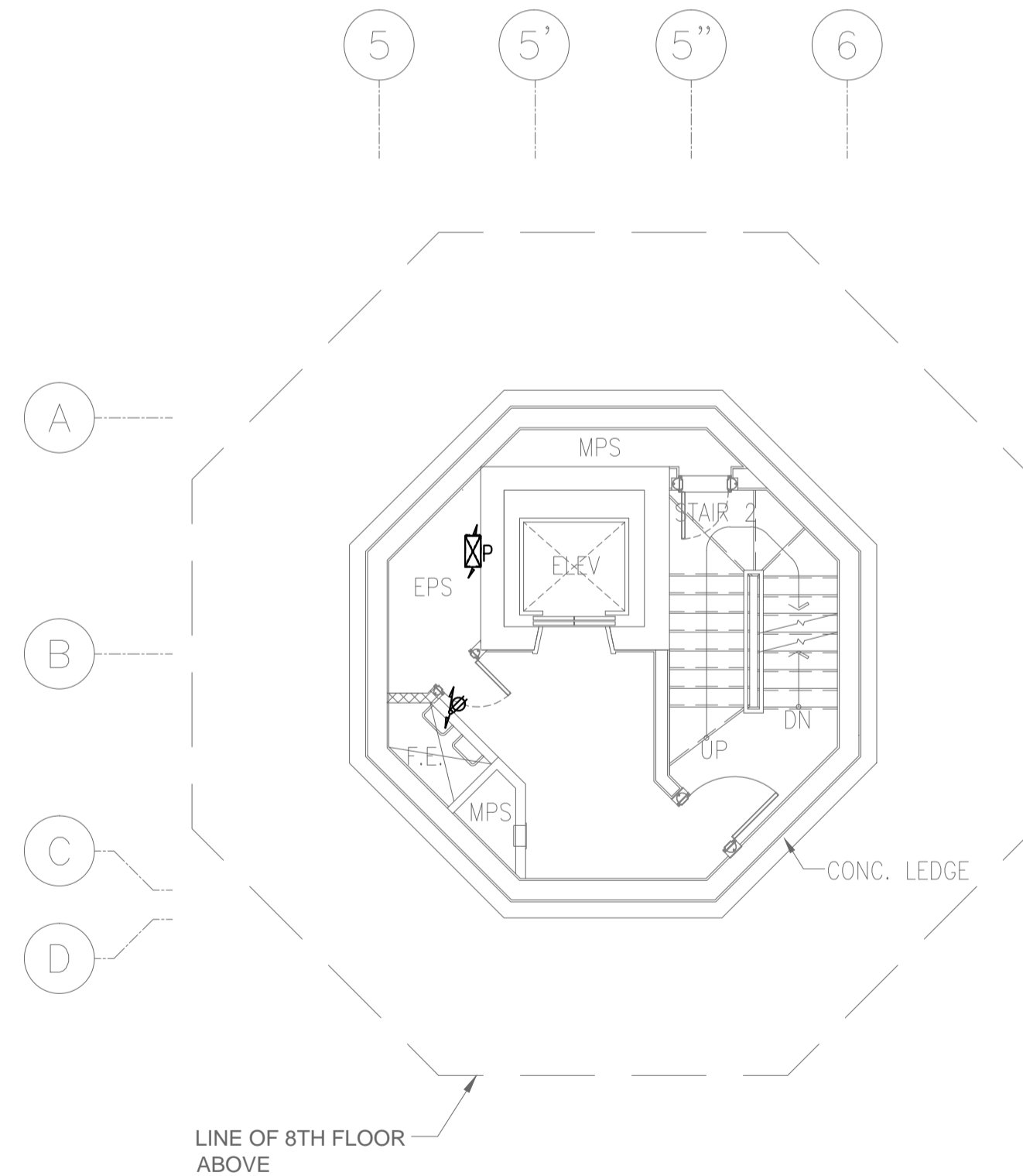


CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
3 9TH FLR RECEPTACLE LAYOUT PLAN
 B3-6200-04 GRAPHIC SCALE 0 1 2 5m

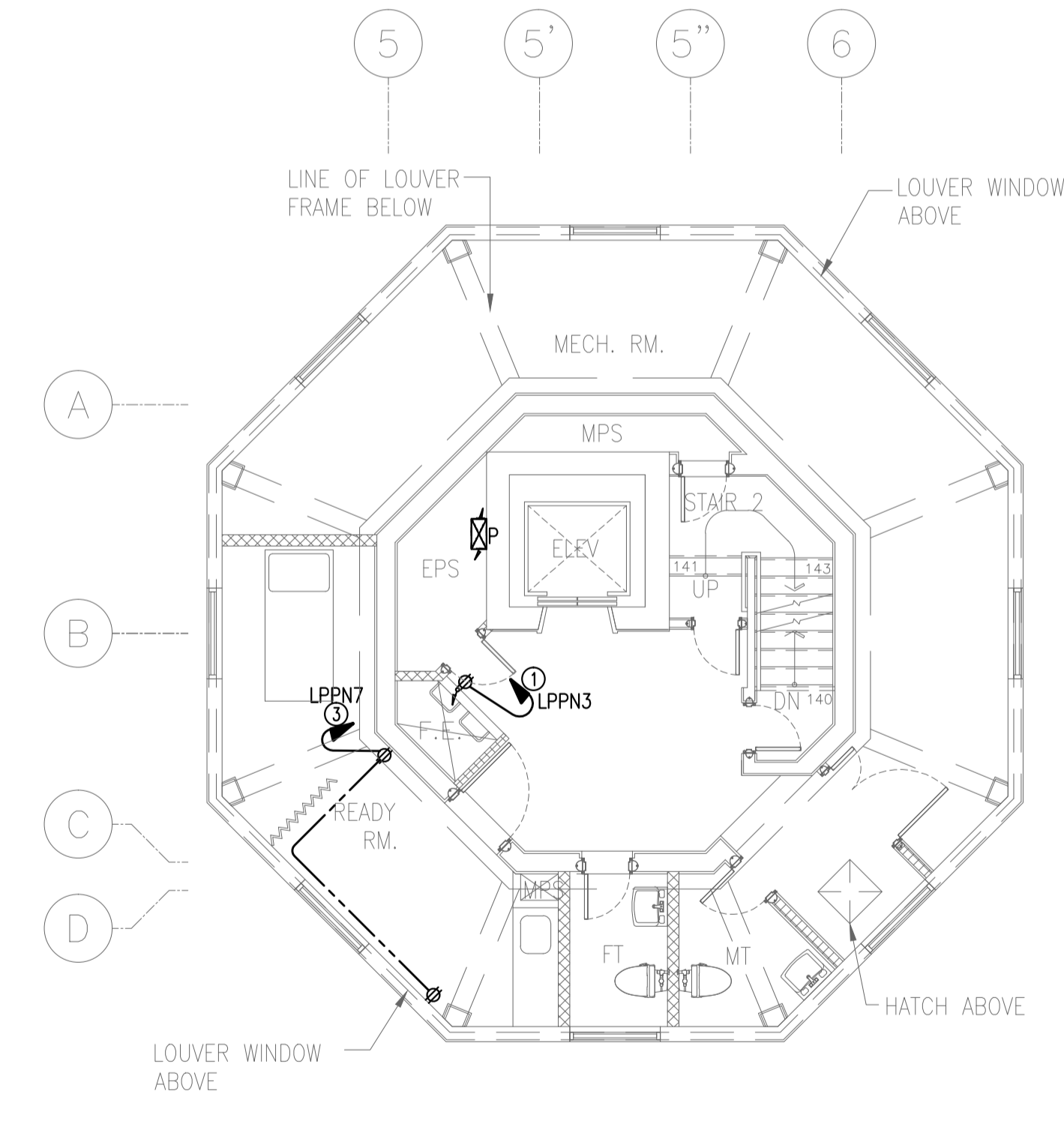


CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
4 ROOF DECK RECEPTACLE LAYOUT PLAN
 B3-6200-04 GRAPHIC SCALE 0 1 2 5m

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

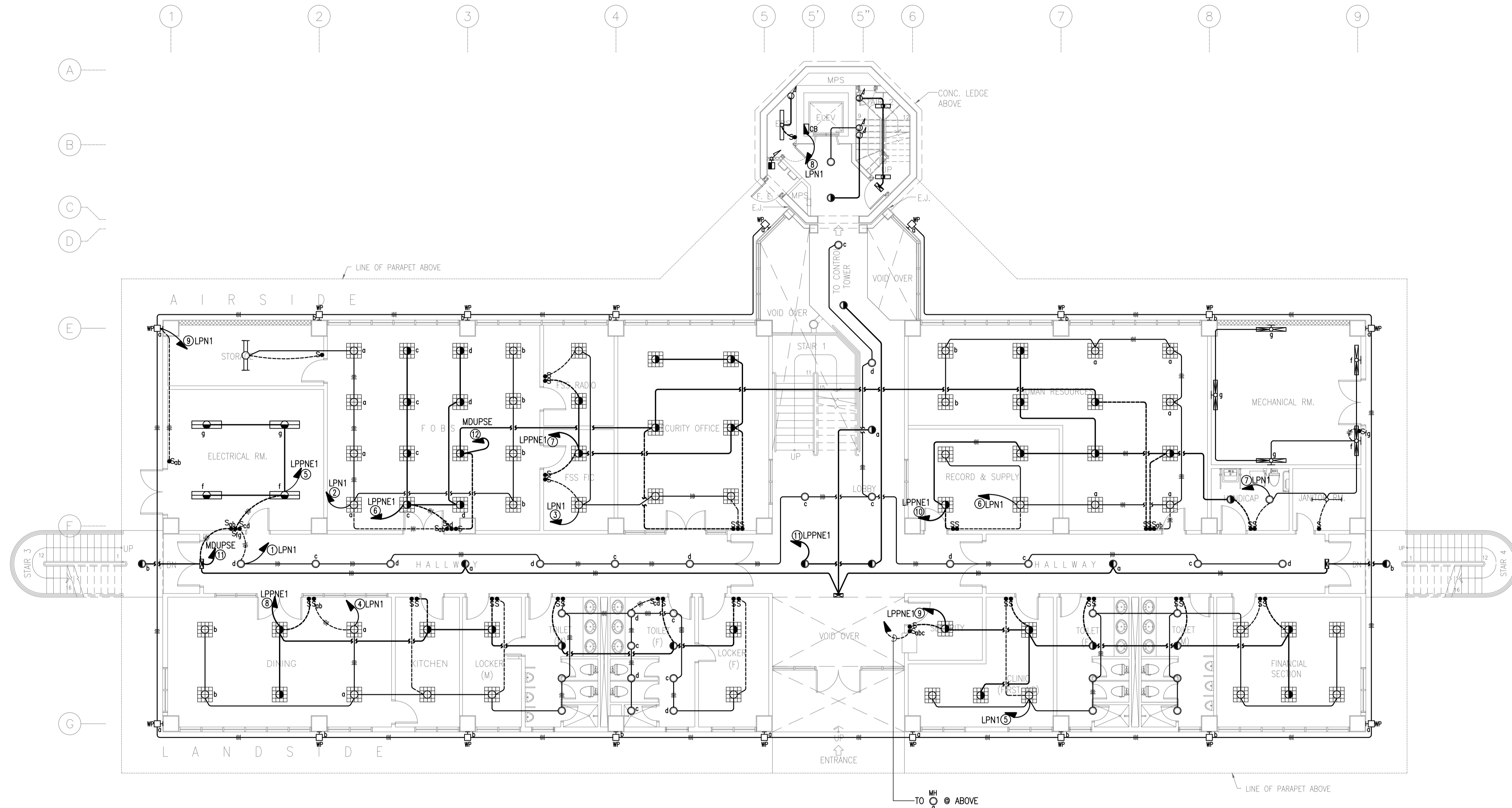


CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
1 4TH-7TH FLR (TYPICAL) RECEPTACLE LAYOUT PLAN
 B3-6200-04 GRAPHIC SCALE 0 1 2 5m



CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
2 8TH FLR RECEPTACLE LAYOUT PLAN
 B3-6200-04 GRAPHIC SCALE 0 1 2 5m

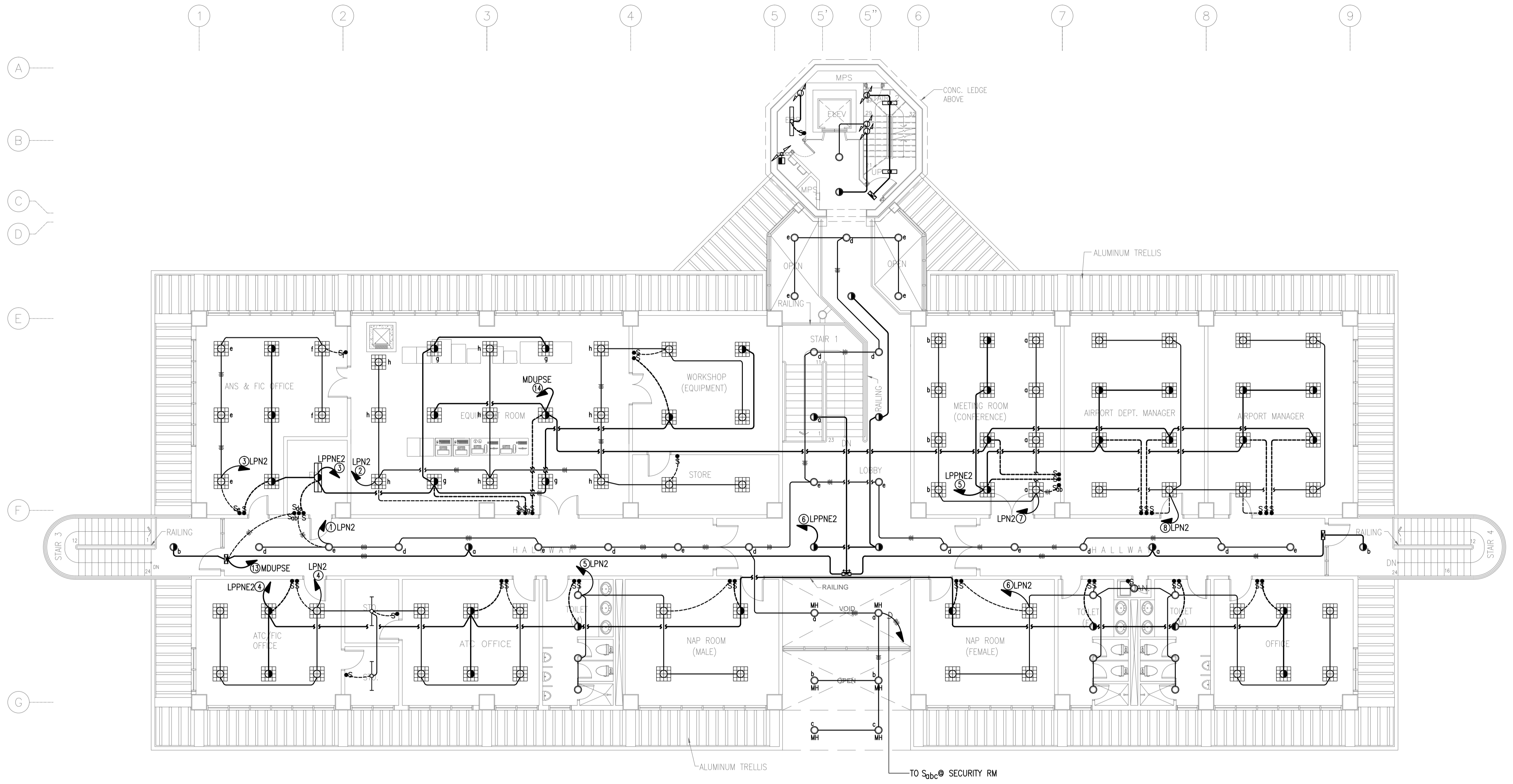
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.I.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 4TH-9TH FLR RECEPTACLE	SHEET NO: B3-6200-04
	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:	DRAWING SCALE: 1:75 m



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

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR LIGHTING LAYOUT PLAN
 B3-6200-05 GRAPHIC SCALE 0 1 2 5 10m

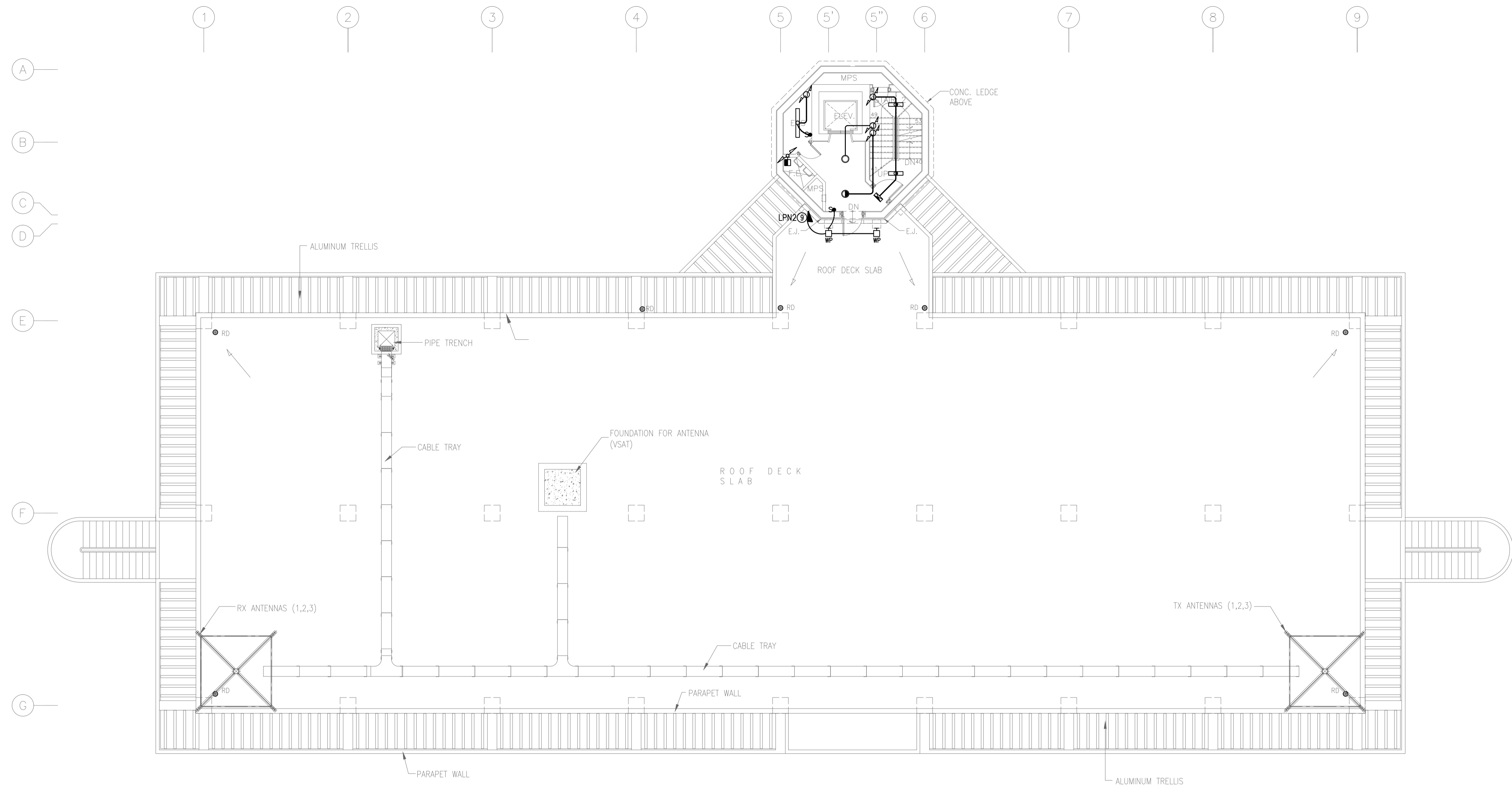
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR LIGHTING	SHEET NO: B3-6200-05 DRAWING SCALE: 1:100 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: JUNE 2013 INDEX: [] AMENDMENTS: [] Prepared by: WIM Checked by: HC Validated by: []	



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

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR LIGHTING LAYOUT PLAN
 B3-6200-06 GRAPHIC SCALE 0 1 2 5 10m

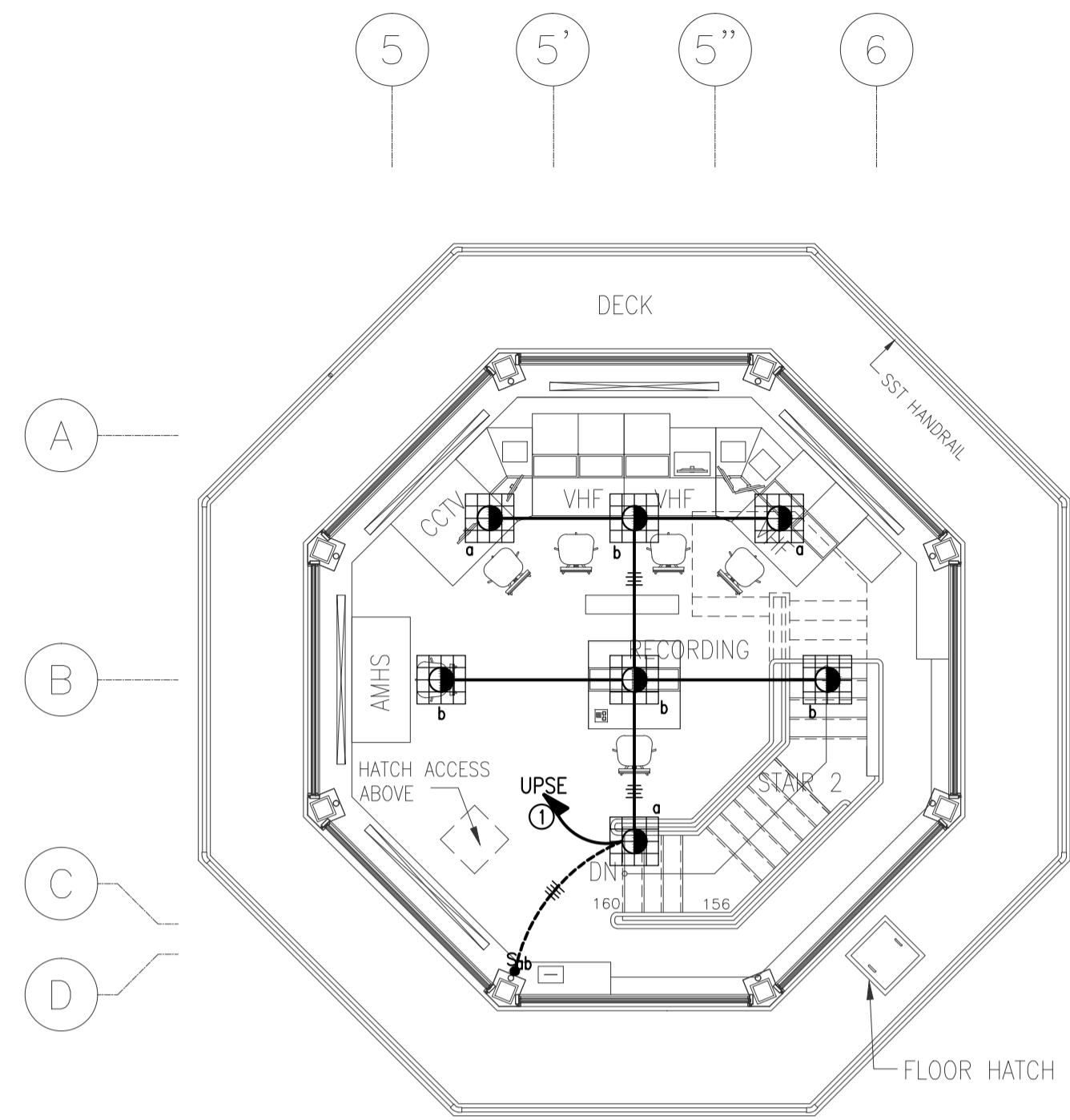
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>TIN. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR LIGHTING	SHEET NO: B3-6200-06
	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 JUNE 2013 WIM HC



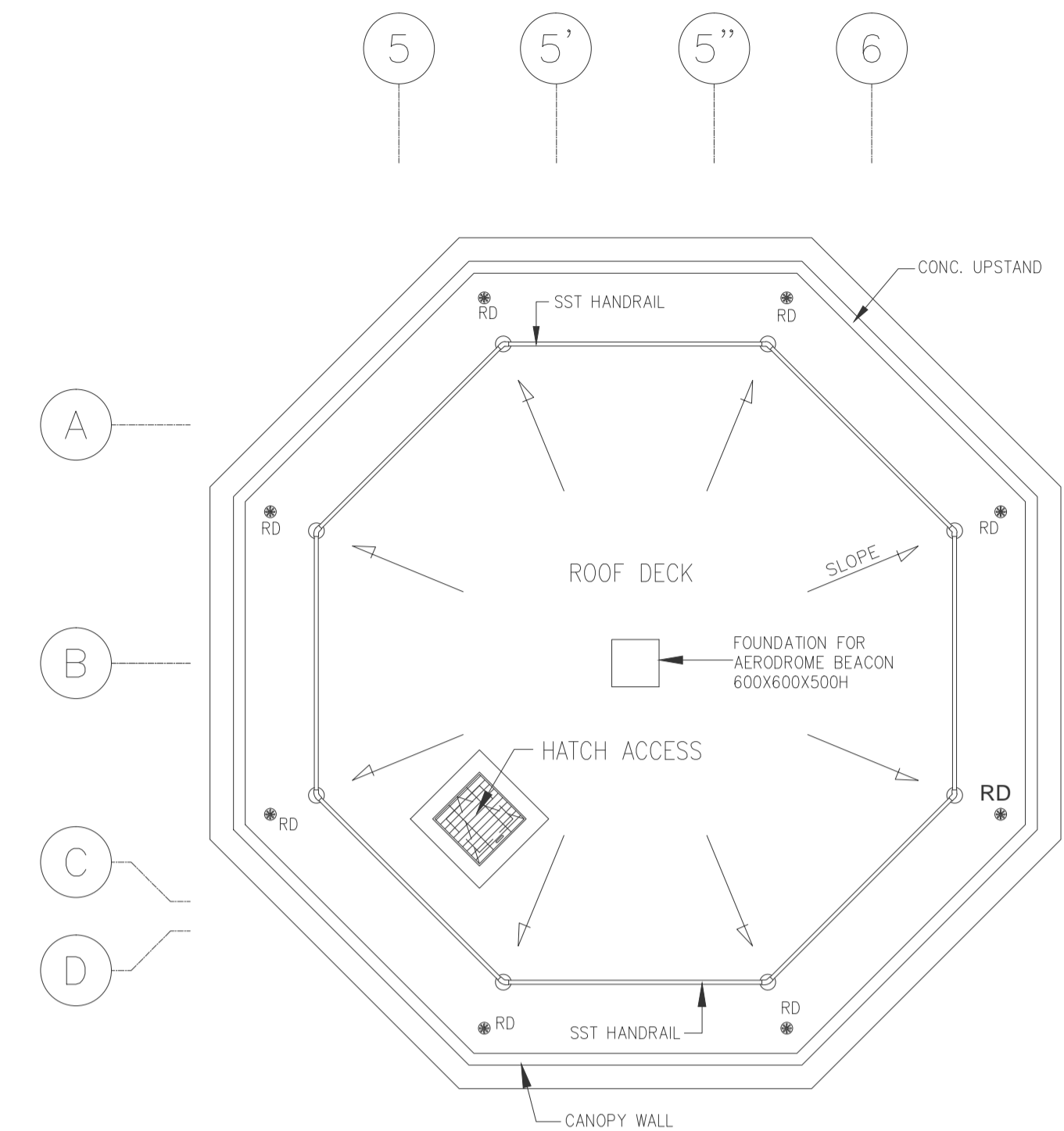
NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
3RD FLR (ROOF DECK) LIGHTING LAYOUT PLAN
 B3-6200-07 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: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 3RD FLR LIGHTING	SHEET NO: B3-6200-07
	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>	DATE: JUNE 2013 INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:

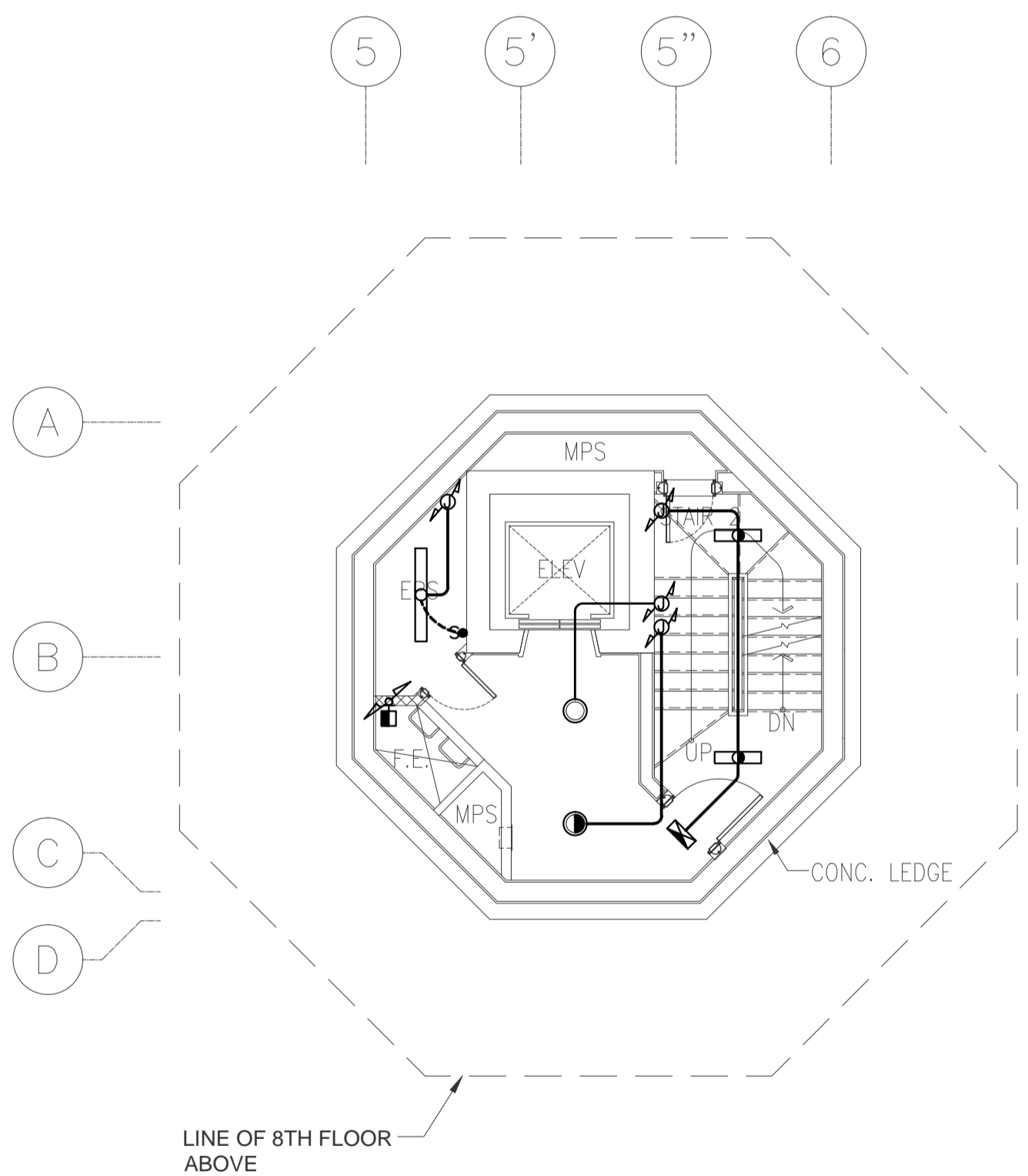


CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
4 9TH FLR LIGHTING PLAN
 B3-6200-08 GRAPHIC SCALE 0 1 2 5m

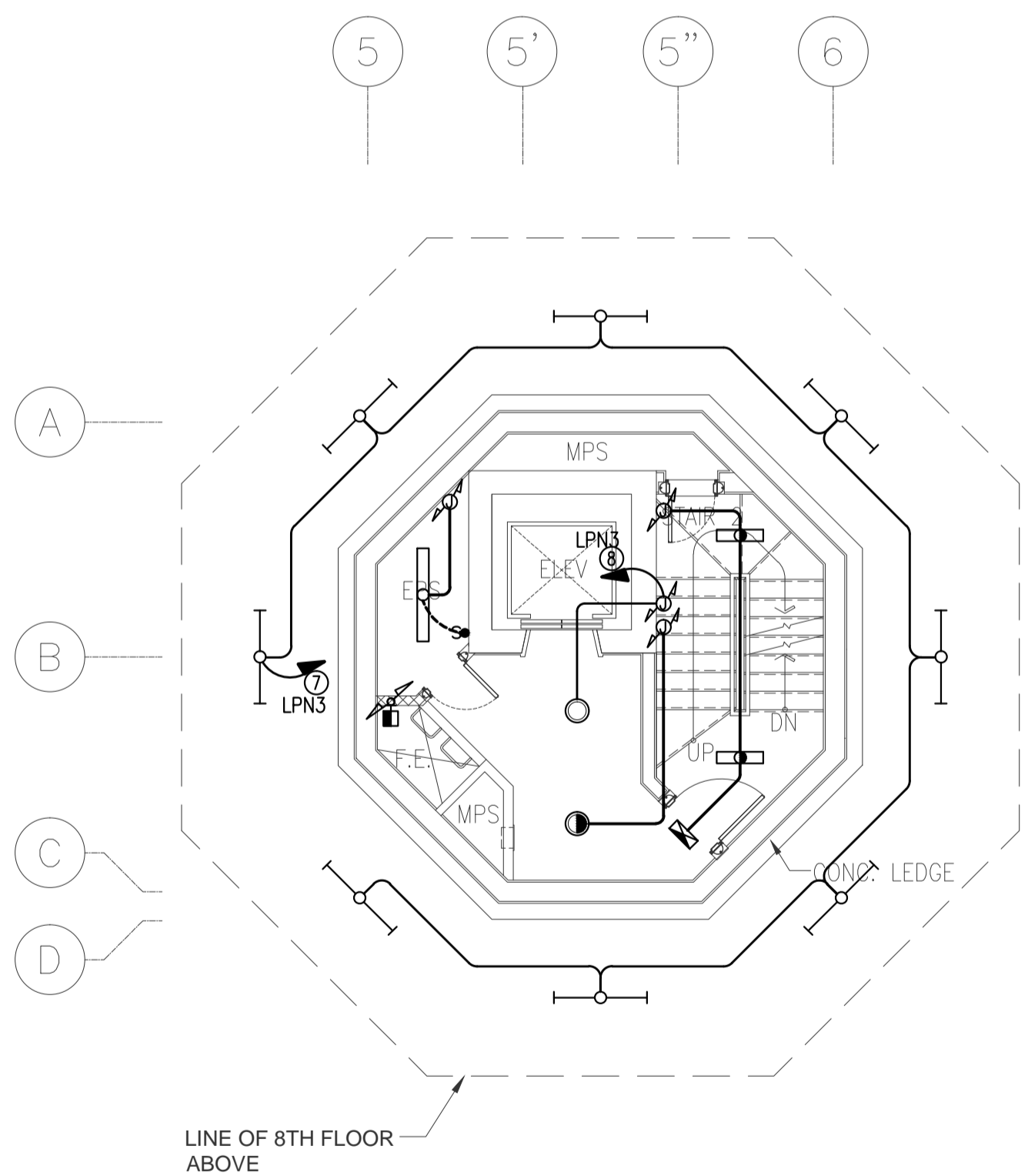


CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
5 ROOF DECK LIGHTING PLAN
 B3-6200-08 GRAPHIC SCALE 0 1 2 5m

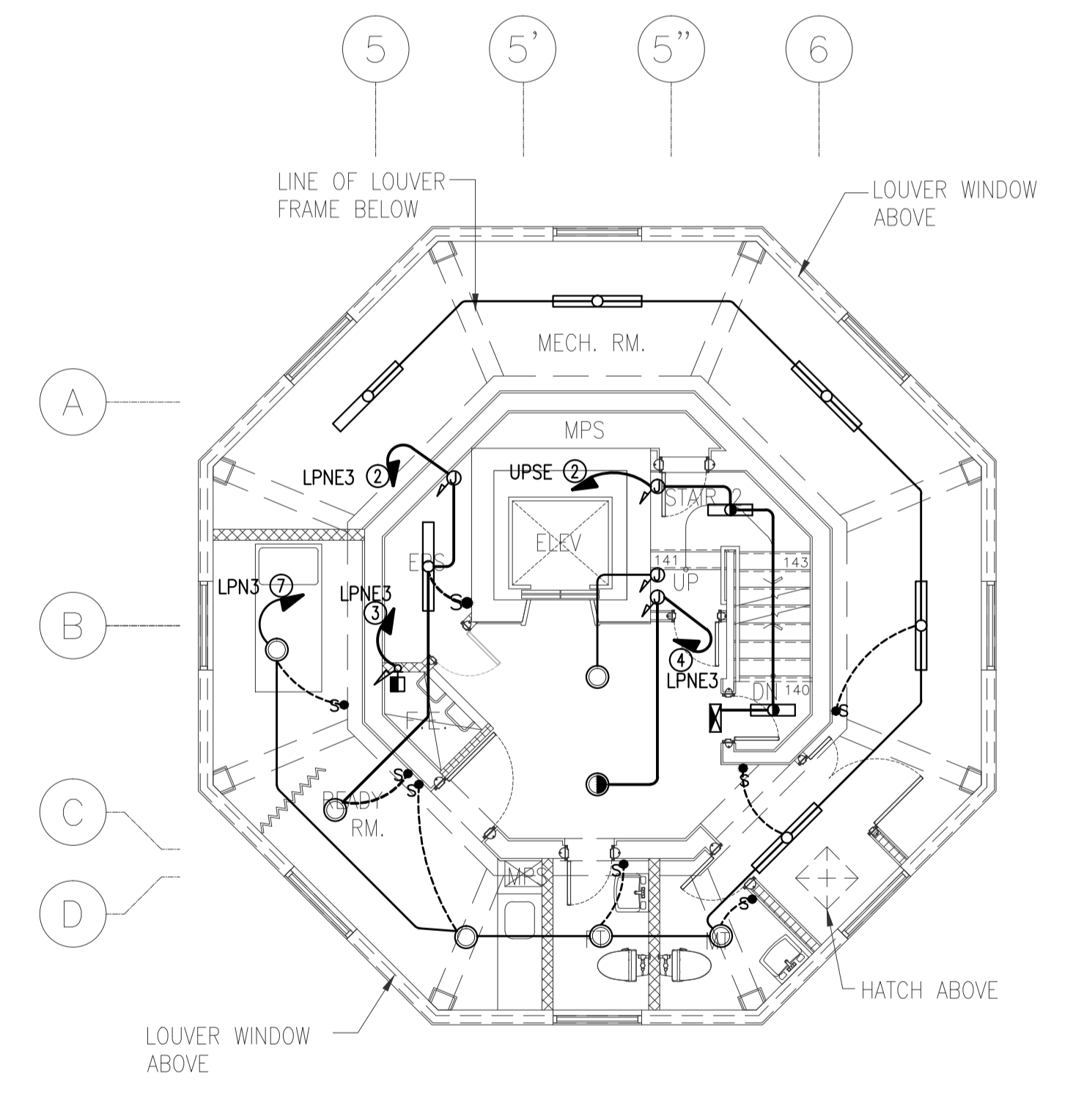
NOTE: REFER TO ELECTRICAL EQUIPMENT LAYOUT PLAN THE LOCATION OF PANELS.



CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
1 4TH-6TH FLR (TYPICAL) LIGHTING PLAN
 B3-6200-08 GRAPHIC SCALE 0 1 2 5m



CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
2 7TH FLR LIGHTING PLAN
 B3-6200-08 GRAPHIC SCALE 0 1 2 5m



CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
3 8TH FLR LIGHTING LAYOUT PLAN
 B3-6200-08 GRAPHIC SCALE 0 1 2 5m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. PROF. ELECTRICAL ENGINEER PIR. 1403773 REG. NO.: 1927 DATE: 1-04-13 TEL. 119-747-900 PLACE: MANILA</small>	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	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 4TH-9TH FLR LIGHTING	SHEET NO: B3-6200-08
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NK NIPPON KOEI CO., LTD. NIS NIS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	JILDEFONSO 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: WIM, Checked by: HC, Validated by:	DRAWING SCALE: 1:75 m	

PANEL: PPWHN		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	2 - 1.8 KW BOOSTER PUMP (1-STANDBY) @ ME RM (GRD FLR)	2250			5.65	4-3.5mm ² THHN	15mmØ	20AT, 3P MCCB
2	SPARE							20AT, 3P MCCB
3	6.5KW WATER HEATER @ MT-1 LAVATORY (GRD FLR)	8125	35.32			[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
4	6.5KW WATER HEATER @ FT-1 LAVATORY (GRD FLR)	8125		35.32		[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
5	4.5KW WATER HEATER @ MT-1 SHOWER (GRD FLR)	5625		24.45		3-5.5mm ² THHN	15mmØ	30AT, 2P CB
6	4.5KW WATER HEATER @ FT-1 SHOWER (GRD FLR)	5625	24.45			3-5.5mm ² THHN	15mmØ	30AT, 2P CB
7	6.5KW WATER HEATER @ FT-2 LAVATORY (GRD FLR)	8125		35.32		[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
8	6.5KW WATER HEATER @ MT-2 LAVATORY (GRD FLR)	8125		35.32		[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
9	4.5KW WATER HEATER @ FT-2 SHOWER (GRD FLR)	5625	24.45			3-5.5mm ² THHN	15mmØ	30AT, 2P CB
10	4.5KW WATER HEATER @ MT-2 SHOWER (GRD FLR)	5625		24.45		3-5.5mm ² THHN	15mmØ	30AT, 2P CB
11	6.5KW WATER HEATER @ MT-1 LAVATORY (2ND FLR)	8125		35.32		[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
12	4.5KW WATER HEATER @ MT-1 SHOWER (2ND FLR)	5625	24.45			3-5.5mm ² THHN	15mmØ	30AT, 2P CB
13	6.5KW WATER HEATER @ FT-1 LAVATORY (2ND FLR)	8125		35.32		[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
14	6.5KW WATER HEATER @ MT-2 LAVATORY (2ND FLR)	8125		35.32		[2-8mm ² + 1-5.5mm ²] THHN	20mmØ	40AT, 2P CB
15	4.5KW WATER HEATER @ FT-1 SHOWER (2ND FLR)	5625	24.45			3-5.5mm ² THHN	15mmØ	30AT, 2P CB
16	4.5KW WATER HEATER @ MT-2 SHOWER (2ND FLR)	5625		24.45		3-5.5mm ² THHN	15mmØ	30AT, 2P CB
17	SPARE							30AT, 2P CB
18	SPARE							30AT, 2P CB
		98500	133.12	154.86	130.41	5.65		

It = 154.86 x 1.732 + 5.65 + 5.65(25%) = 275.28 A

FEEDER SIZE: 3-95mm² XLPE + 1-22mm² TW

MAIN PROTECTION: 300AT, 300AF 3P MCCB, 14KAIC

MDP: PDB-FOBS		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY/UPS				
TO: PDB-EQ								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	AIS PC (FUTURE)	500	2.17			3-3.5mm ² THHN	20mmØ	20AT, 2P CB
2	2 - AMHS PC (FUTURE)	1000		4.35		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
3	WEATHER DATA DISPLAY (FUTURE)	220		0.96		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
4	OUTLET FOR FSS RADIO1	150		0.65		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
5	OUTLET FOR FSS RADIO2	150		0.65		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
6	SPARE							20AT, 2P CB
		2020	2.17	4.35	2.26			

It = 4.35 x 1.732 = 8 A

FEEDER SIZE: 3-6mm² XLPE + 1-5.5mm² TW

MAIN PROTECTION: 30AT, 50AF 3P MCCB, 10KAIC

MDP: PDB-VFR		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY/UPS				
TO: PDB-EQ								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	2 - WEATHER DATA DISPLAY	440	1.91			Proposed by ANS Works	-	20AT, 2P CB
2	2 - WIND DISPLAY	440		1.91		Proposed by ANS Works	-	20AT, 2P CB
3	MONITOR FOR ANS	200			0.87	Proposed by ANS Works	-	20AT, 2P CB
4	AFL PC	500	2.17			Proposed by ANS Works	-	20AT, 2P CB
5	3 - VHF AM TRANSCEIVER	1000		6.52		Proposed by ANS Works	-	20AT, 2P CB
6	VHF FM TRANSCEIVER	200			0.87	Proposed by ANS Works	-	20AT, 2P CB
7	MONITOR FOR VRS	200	0.87			Proposed by ANS Works	-	20AT, 2P CB
8	VCCS CONSOLE	1000		4.35		Proposed by ANS Works	-	20AT, 2P CB
9	VCCS CONSOLE	1000		4.35		Proposed by ANS Works	-	20AT, 2P CB
10	VCCS CONSOLE	1000	4.35			Proposed by ANS Works	-	20AT, 2P CB
11	VCCS CONSOLE	1000	4.35			Proposed by ANS Works	-	20AT, 2P CB
12	RUI	200			0.87	Proposed by ANS Works	-	20AT, 2P CB
13	AIR TRAFFIC LIGHT GUN	100	0.43			Proposed by ANS Works	-	20AT, 2P CB
14	SIREN	900		3.91		Proposed by ANS Works	-	20AT, 2P CB
15	AMHS PC (Future)	500			2.17	Proposed by ANS Works	-	20AT, 2P CB
16	SPARE							20AT, 2P CB
17	SPARE							20AT, 2P CB
18	SPARE							20AT, 2P CB
		8680	14.09	12.35	13.48			

It = 14.09 x 1.732 = 24 A

FEEDER SIZE: 3-10mm² XLPE + 1-8mm² TW

MAIN PROTECTION: 30AT, 50AF 3P MCCB, 10KAIC

MDP: PDB-EQ		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY/UPS				
TO: 4.16kV/230V 50kVA TRANSFORMER-ANS THROUGH UPS								
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION
			ØAB	ØBC	ØCA 3Ø LOAD			
1	To PDB VFR ROOM	8680			21.79	3-10mm ² XLPE	-	30AT, 3P CB
2	VCCS	1300	5.65			Proposed by ANS Works	-	20AT, 2P CB
3	VRS	1000		4.35		Proposed by ANS Works	-	20AT, 2P CB
4	TX	2000			8.69	Proposed by ANS Works	-	20AT, 2P CB
5	RX	100	0.43			Proposed by ANS Works	-	20AT, 2P CB
6	HF SIGNAL CONVERTER	20	0.09			Proposed by ANS Works	-	20AT, 2P CB
7	HF	900		3.91		Proposed by ANS Works	-	20AT, 2P CB
8	AMHS PC (FUTURE)	500	2.17				-	20AT, 2P CB
9	RCSU FOR ILS	150	0.65			Proposed by ANS Works	-	20AT, 2P CB
10	MODEM FOR RCSU	500		2.17		Proposed by ANS Works	-	20AT, 2P CB
11	RMMS FOR ILS	400	1.74			Proposed by ANS Works	-	20AT, 2P CB
12	RMMS FOR VOR	400		1.74		Proposed by ANS Works	-	20AT, 2P CB
13	RMMS FOR DME	400			1.74	Proposed by ANS Works	-	20AT, 2P CB
14	RCSE FOR VOR	300	1.30			Proposed by ANS Works	-	20AT, 2P CB
15	MODEM FOR RMMS	500		2.17		Proposed by ANS Works	-	20AT, 2P CB
16	DATA LOGGER	220	0.96			Proposed by ANS Works	-	20AT, 2P CB
17	PRINTER	30	0.13			Proposed by ANS Works	-	20AT, 2P CB
18	WEATHER DATA DISPLAY	220		0.96		Proposed by ANS Works	-	20AT, 2P CB
19	MODEM FOR MET	200	0.87			Proposed by ANS Works	-	20AT, 2P CB
20	PABX	40	0.17			Proposed by ANS Works	-	20AT, 2P CB
21	TO PDB AT FOBS ROOM (FUTURE)	2020			5.02	3-6mm ² XLPE	-	30AT, 3P CB
22	SPARE							20AT, 2P CB
23	SPARE							20AT, 2P CB
24	SPARE							20AT, 2P CB
		19880	14.16	15.30	10.43	26.81		

It = 26.81 + 15.3 x 1.732 = 53.3 A

FEEDER SIZE: 3-25mm² XLPE + 1-8mm² TW

MAIN PROTECTION: 75AT, 100AF 3P MCCB, 10KAIC

CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)

3

PANEL SCHEDULE

B3-6200-11 NOT TO SCALE

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR 1403773</small> <small>REG. NO. 1927 DATE: 1-04-13</small> <small>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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL PANEL SCHEDULE3	SHEET NO: B3-6200-11 DRAWING SCALE: NTS
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC.	JAPAN INTERNATIONAL COOPERATION AGENCY	JAC	NIPPON KOEI CO., LTD.	NIS CONSULTANTS CO., LTD.	DATE INDEX AMENDMENTS	Prepared by WIM Checked by IC Validated by

PANEL: PACNE2		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY					
TO: 230V LVSGN-CTO									
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION	
			ØAB	ØBC	ØCA				3Ø LOAD
1	VRF-3	28312				71.00	3-22mm ² THHN, 1-8mm ² TW	32mmØ	100AT, 3P MCCB
2	VRF-4	28312				71.00	3-22mm ² THHN, 1-8mm ² TW	32mmØ	100AT, 3P MCCB
3	FAN 19A, 19B, 20A, 20B, 20C, 19C, 23A, 23B	560	2.43				3-3.5mm ² THHN	20mmØ	20AT, 2P CB
4	FAN 21A, 21B, 22A, 22B, 24, 25	825		3.58			3-3.5mm ² THHN	20mmØ	20AT, 2P CB
5	FAN 26B, 29A, 29B, 30A, 30B, 31A, 31B	490			2.13		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
6	FAN 27A, 27B, 26A, 28A, 28B, 33, 34, 32A, 32B	1035			4.5		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
7	SPARE	500	2.17						20AT, 2P CB
8	SPARE	500		2.17					20AT, 2P CB
9	SPARE	500	2.17						20AT, 2P CB
		61034	6.77	5.75	6.63	142			

It = 6.77 x 1.732 + 142 + 71(25%) = 171.48 A

FEEDER SIZE: 3-50mm² XLPE

MAIN PROTECTION: 200AT, 225AF 3P MCCB, 10KAIC

PANEL: PVNE		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY					
TO: 230V LVSGN-CTO									
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION	
			ØAB	ØBC	ØCA				3Ø LOAD
1	EF-2 for EE Room at Ground Floor	875				2.19	4-3.5mm ² THHN	20mmØ	20AT, 3P CB
2	EF-3 for Storage, EF-10 for Clinic, EF-13 for Toilet	300	1.30				3-3.5mm ² THHN	20mmØ	20AT, 2P CB
3	EF-16 for NAP Room, EF-17 for NAPRoom and EF18 for EPS	169		0.73			3-3.5mm ² THHN	20mmØ	20AT, 2P CB
4	EF-1, EF-9, SF for Mechanical Room, Handicap	563				1.41	4-3.5mm ² THHN	20mmØ	20AT, 3P CB
5	EF-4, 5, 6, 7, 8	938				2.35	4-3.5mm ² THHN	20mmØ	20AT, 3P CB
6	SF-2 for EE Room at Ground Floor	875				2.19	4-3.5mm ² THHN	20mmØ	20AT, 3P CB
7	EF-11, EF-12 for at 2nd Floor	375				0.94	4-3.5mm ² THHN	20mmØ	20AT, 3P CB
8	EF-14, EF-15 for Toilet at 2nd Floor	375				0.94	4-3.5mm ² THHN	20mmØ	20AT, 3P CB
9	SPARE	500				2.17			20AT, 2P CB
10	SPARE	500	2.17						20AT, 2P CB
11	SPARE	500		2.17					20AT, 2P CB
12	SPARE	500			2.17				20AT, 2P CB
		6470	3.47	2.90	4.34	10.02			

It = 4.34 x 1.732 + 10.02 + 2.35(25%) = 18.12 A

FEEDER SIZE: 3-6mm² XLPE

MAIN PROTECTION: 30AT, 100AF 3P MCCB, 10KAIC

PANEL: PACNE3		VOLTAGE: 230V 3Ø 3W		SUPPLY: NORMAL/EMERGENCY					
TO: 230V LVSGN-CTO									
CKT NO.	LOAD DESCRIPTION	VA	AMPERE LOAD			WIRE	CONDUIT	PROTECTION	
			ØAB	ØBC	ØCA				3Ø LOAD
1	VRF-5	23000				57.74	3-22mm ² THHN, 1-8mm ² TW	32mmØ	100AT, 3P MCCB
2	VRF-6	21875				54.91	3-22mm ² THHN, 1-8mm ² TW	32mmØ	100AT, 3P MCCB
3	VRF-7	19687				49.42	3-3.5mm ² THHN	20mmØ	20AT, 2P CB
4	FAN 35A, 35B, 36A, 36B, 37A, 37B	420	1.82				3-3.5mm ² THHN	20mmØ	20AT, 2P CB
5	FAN 38, 39A, 39B, 40, 41	350		1.52			3-3.5mm ² THHN	20mmØ	20AT, 2P CB
6	FAN 43A, 43B, 42A, 42B, 42C, 44, 45	490			2.13		3-3.5mm ² THHN	20mmØ	20AT, 2P CB
7	FAN 46A, 46B, 47A, 47B, 48A, 48B, 49	490		2.13					20AT, 2P CB
8	SPARE	500	2.17						20AT, 2P CB
		66812	3.99	3.65	2.13	162.07			

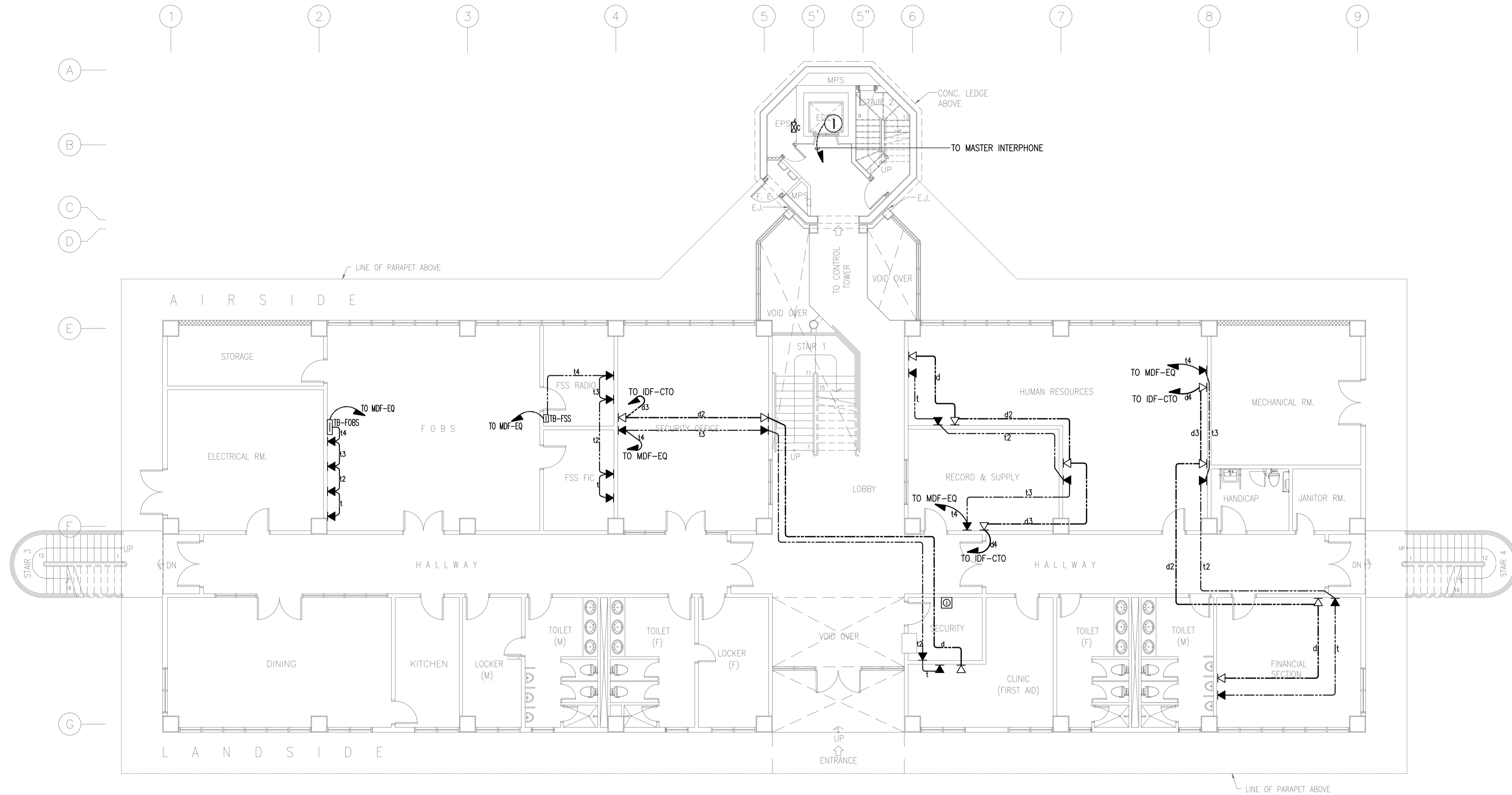
It = 3.99 x 1.732 + 162.07 + 57.7(25%) = 183.36 A

FEEDER SIZE: 3-50mm² XLPE

MAIN PROTECTION: 200AT, 225AF 3P MCCB, 10KAIC

CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
4
PANEL SCHEDULE
 B3-6200-11 NOT TO SCALE

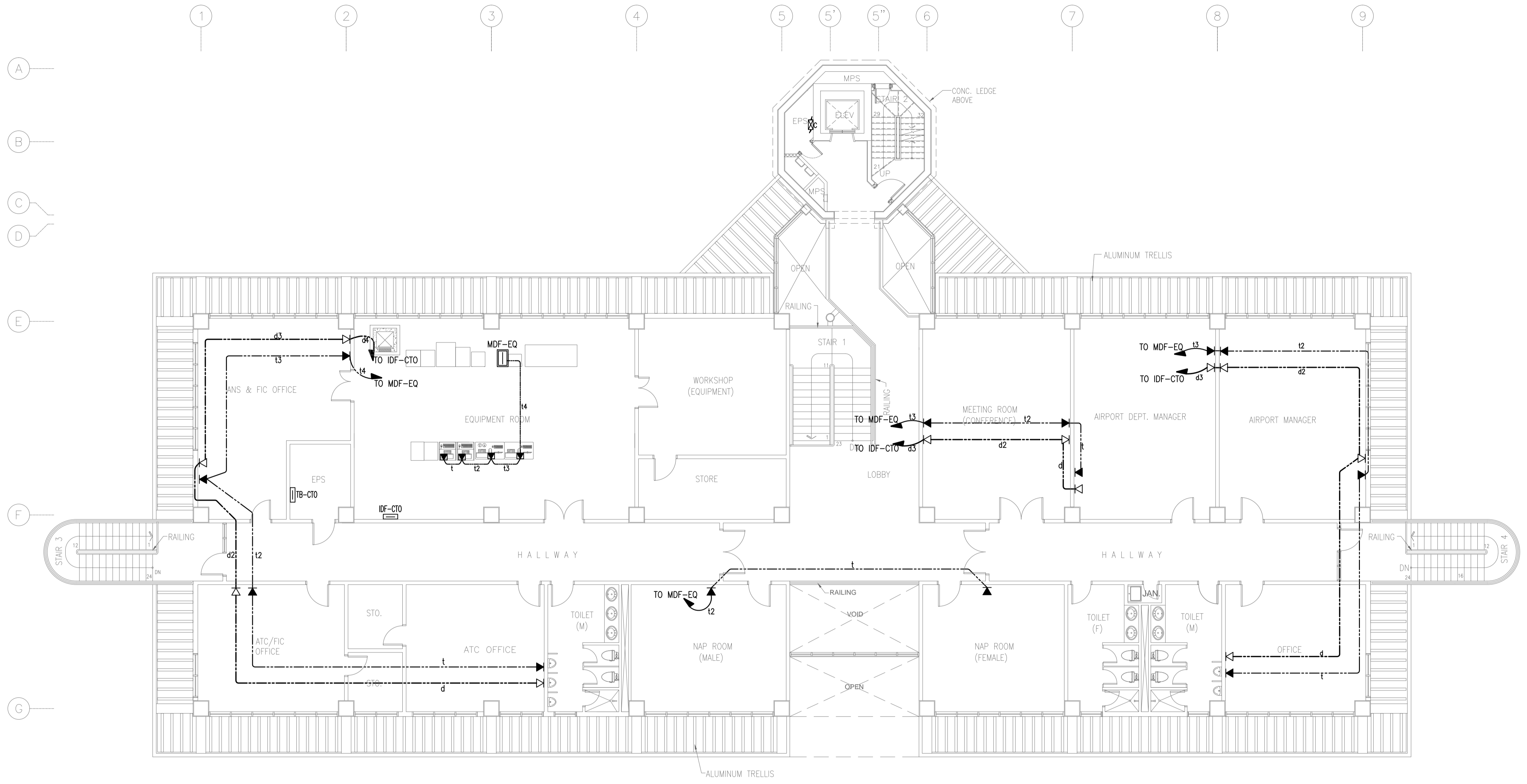
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>TEL. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL PANEL SCHEDULE4	SHEET NO: B3-6200-12
	JICA DESIGN CONSULTANT JOINT VENTURE JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI Team Leader	DATE INDEX	AMENDMENTS	Prepared by: WIM Checked by: HC Validated by:	DRAWING SCALE: NTS	



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

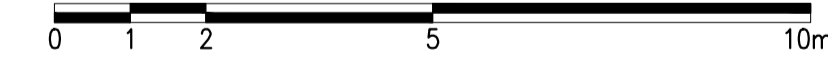
1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR TELEPHONE AND DATA SYSTEM PLAN
B3-6300-01 GRAPHIC SCALE 0 1 2 5 10m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR TEL. & DATA	SHEET NO: B3-6300-01
	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: JUNE 2013 INDEX: _____ AMENDMENTS: _____ Prepared by: _____ Checked by: _____ Validated by: _____	DRAWING SCALE: 1:100 m	

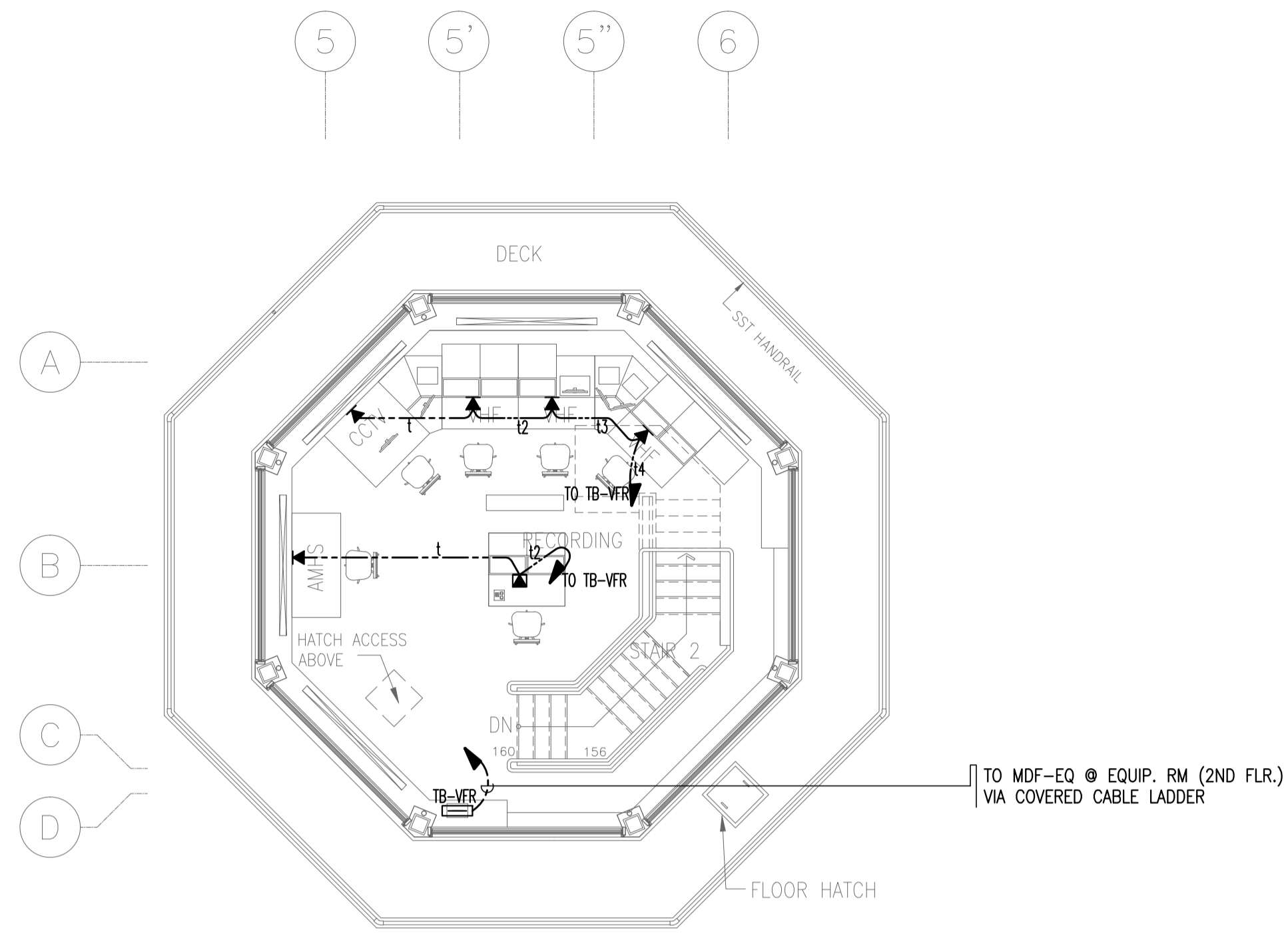


NOTE: REFER TO TELEPHONE SYSTEM SCHEMATIC DIAGRAM
DATA SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

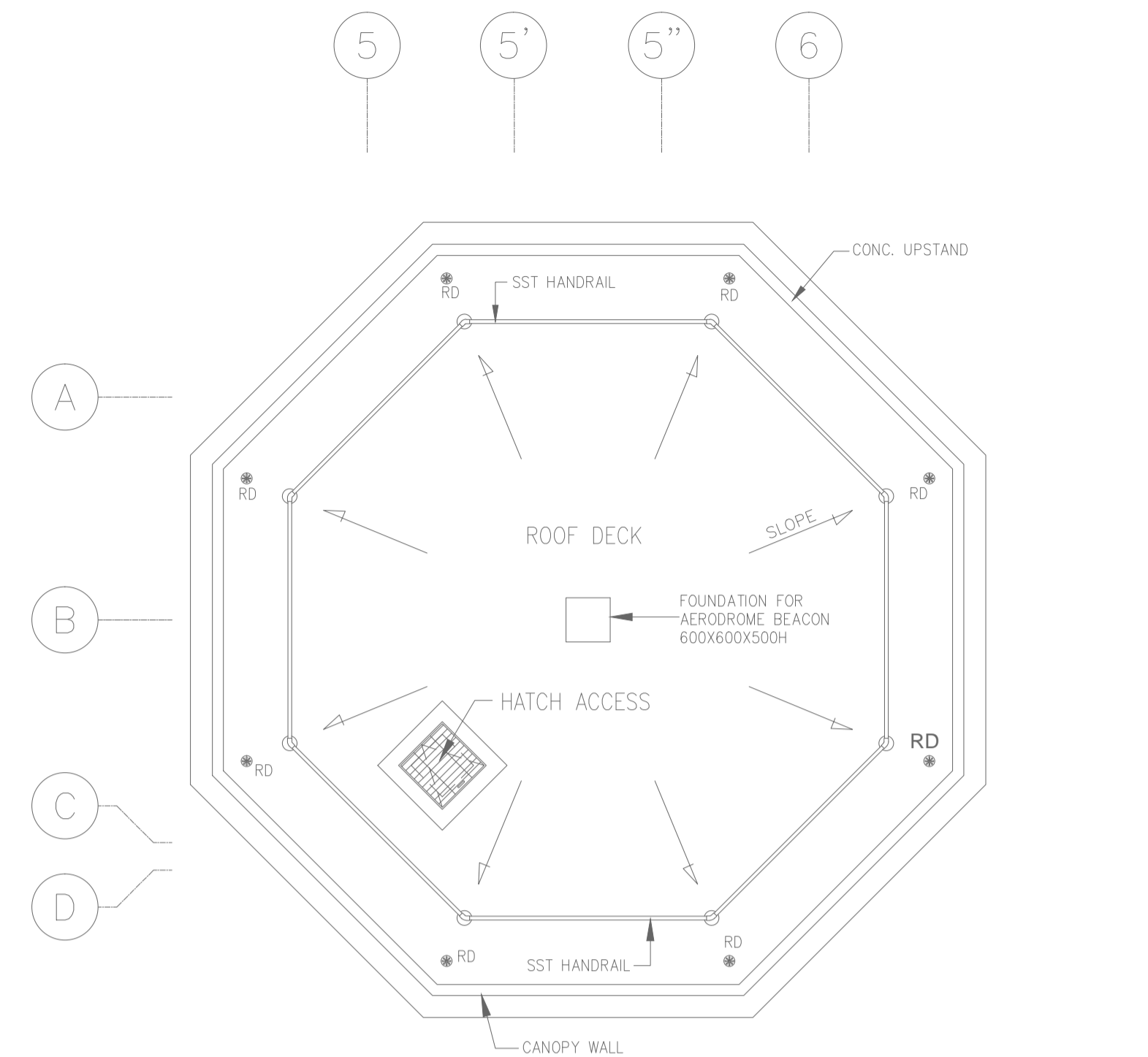
1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR TELEPHONE AND DATA SYSTEM PLAN
B3-6300-02 GRAPHIC SCALE



	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	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR TEL. & DATA	SHEET NO: B3-6300-02
	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: JUNE 2013 INDEX: _____ AMENDMENTS: _____ Prepared by: _____ Checked by: _____ Validated by: _____	DRAWING SCALE: 1:100 m	

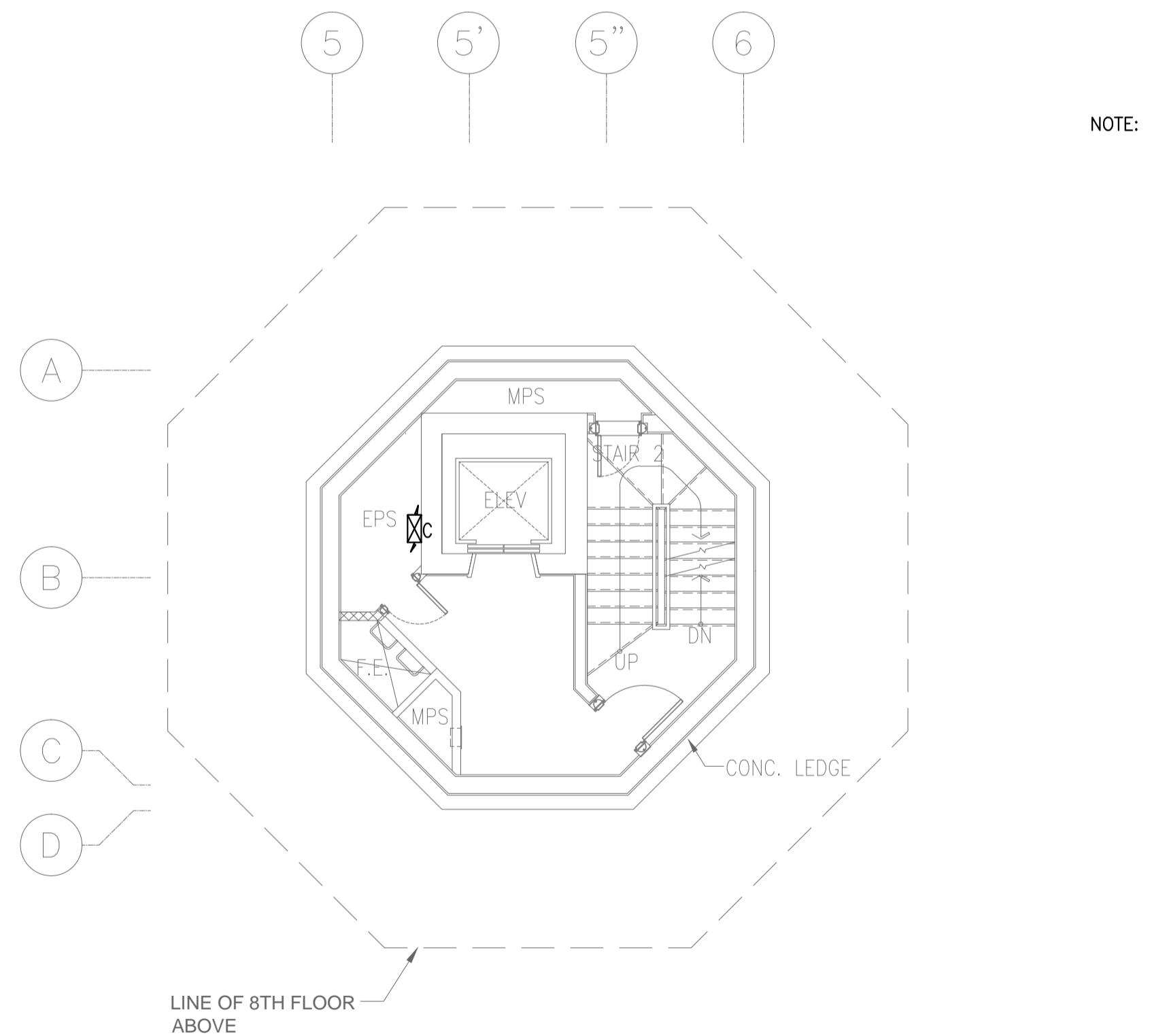


3 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
9TH FLR TELEPHONE AND DATA SYSTEM PLAN
B3-6300-03 GRAPHIC SCALE

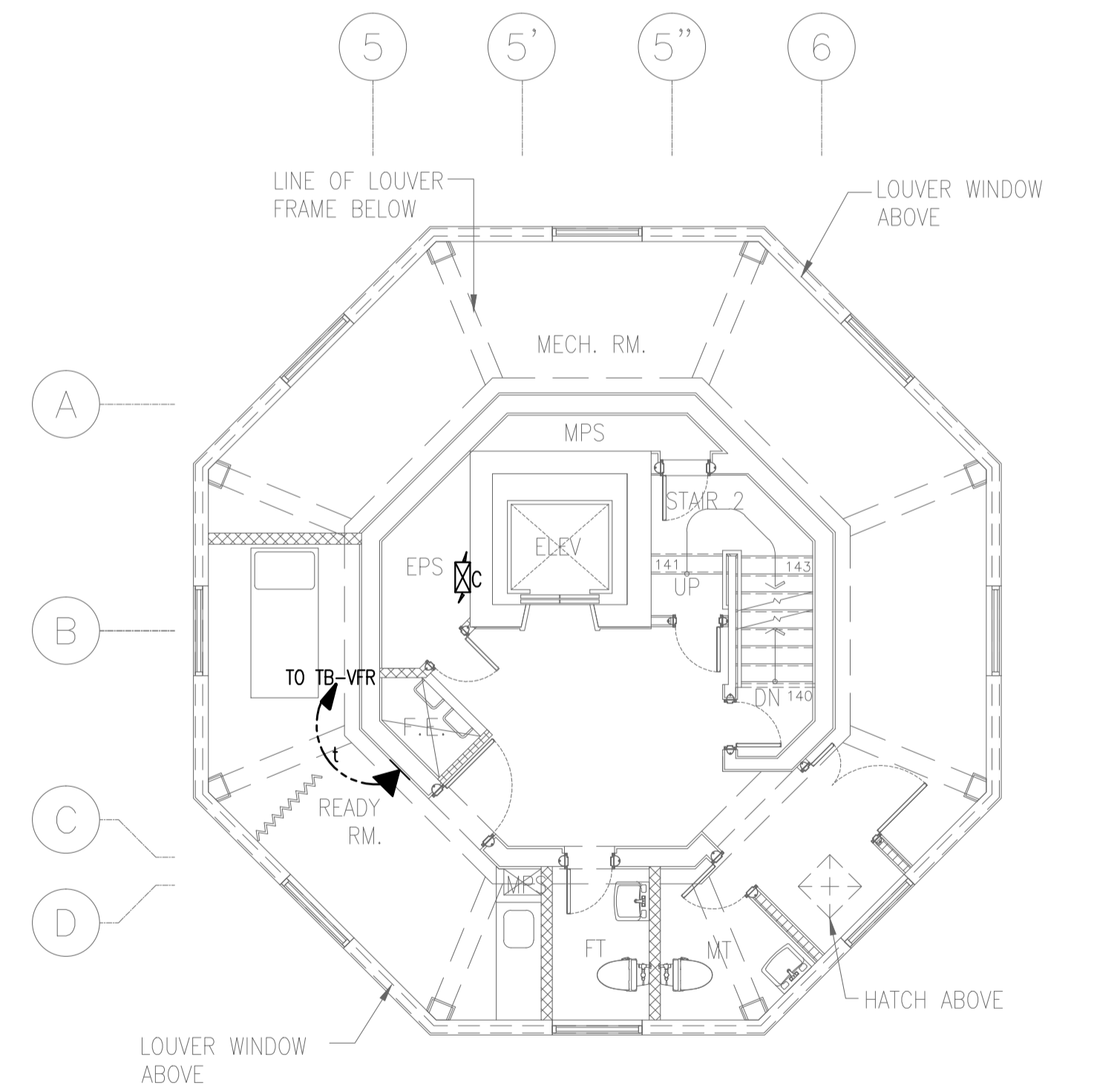


4 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
ROOF DECK TELEPHONE AND DATA SYSTEM PLAN
B3-6300-03 GRAPHIC SCALE

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

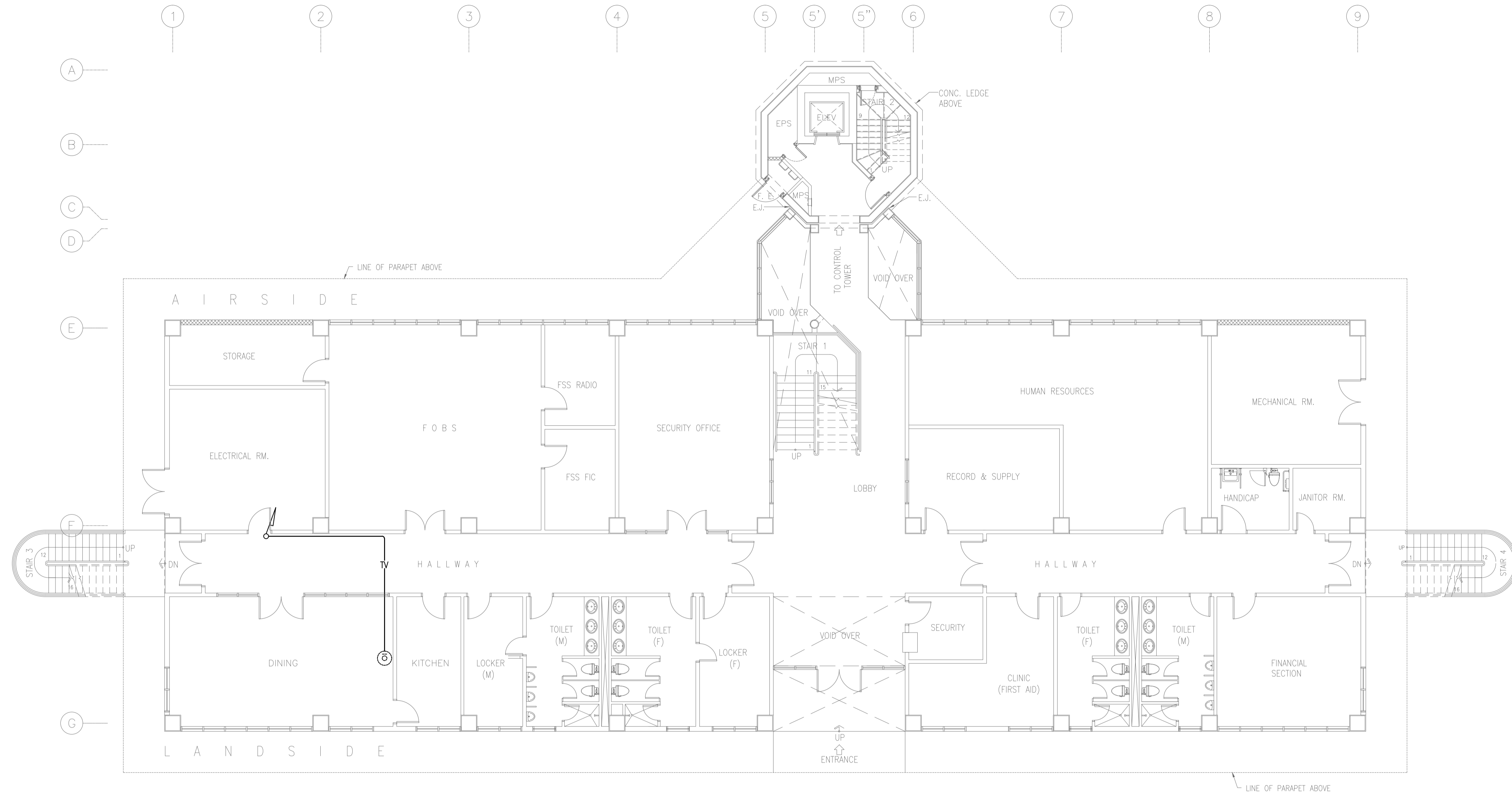


1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
4TH-7TH FLR (TYPICAL) TELEPHONE AND DATA SYSTEM PLAN
B3-6300-03 GRAPHIC SCALE



2 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
8TH FLR TELEPHONE AND DATA SYSTEM PLAN
B3-6300-03 GRAPHIC SCALE

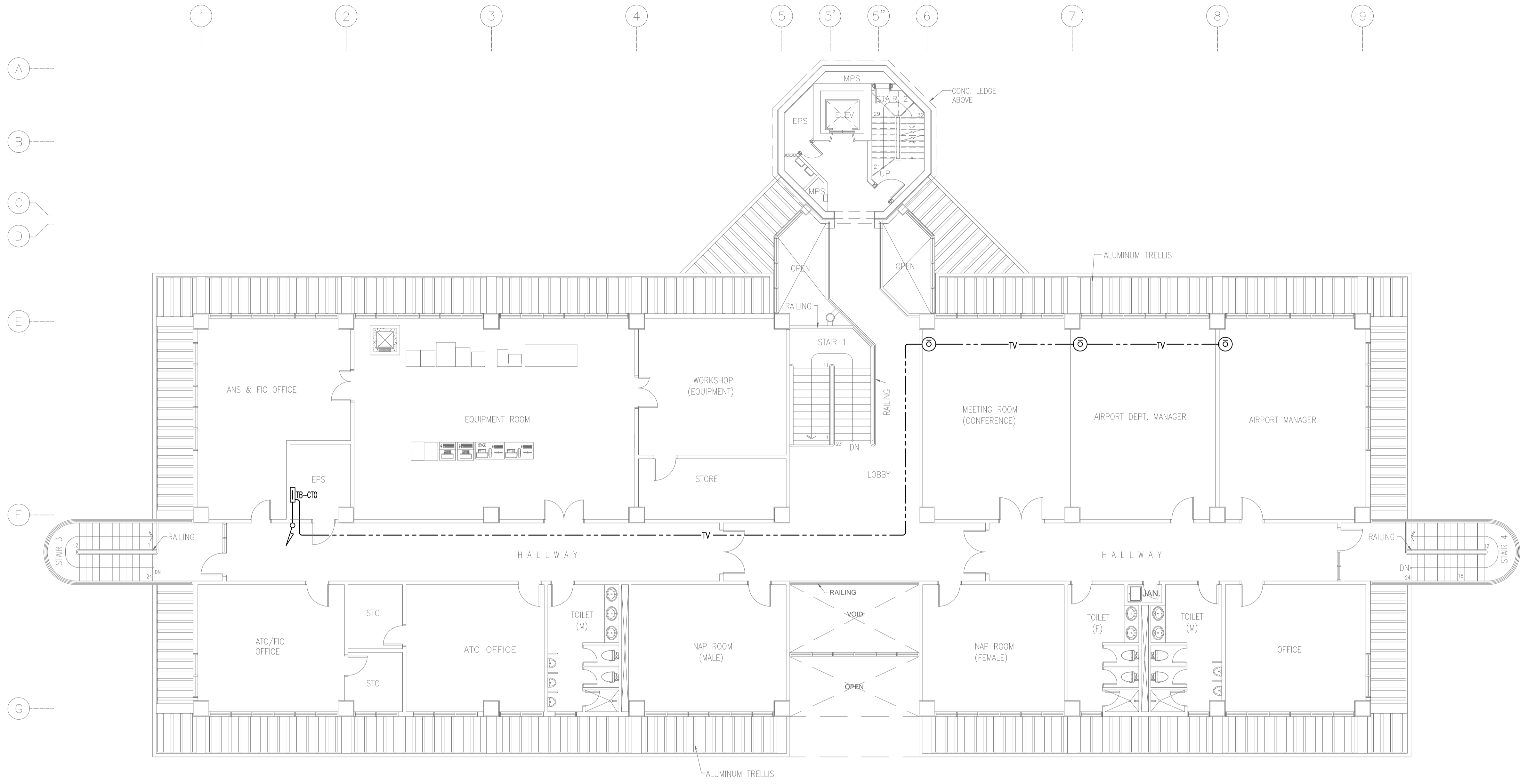
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.J.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 4TH-9TH FLR TEL. & DATA	SHEET NO: B3-6300-03
	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: 1:75 m



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

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR CABLE TV SYSTEM PLAN
 B3-6400-01 GRAPHIC SCALE 0 1 2 5 10m

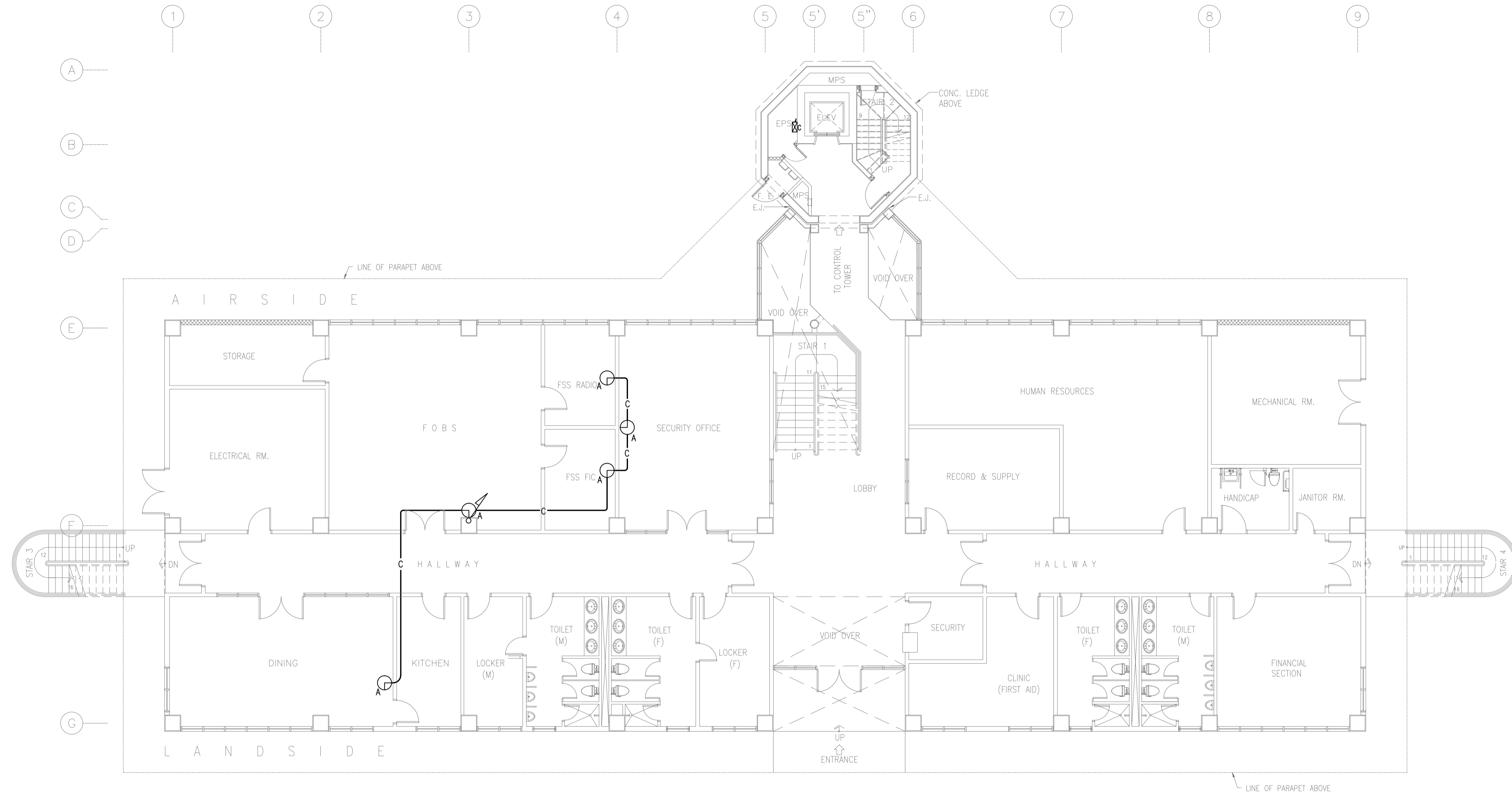
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773 REG. NO.: 1927 DATE: 1-04-13 T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR CATV	SHEET NO: B3-6400-01 DRAWING SCALE: 1:100 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	JUNE 2013 DATE INDEX AMENDMENTS	Prepared by: WIM Checked by: HC Validated by:	



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

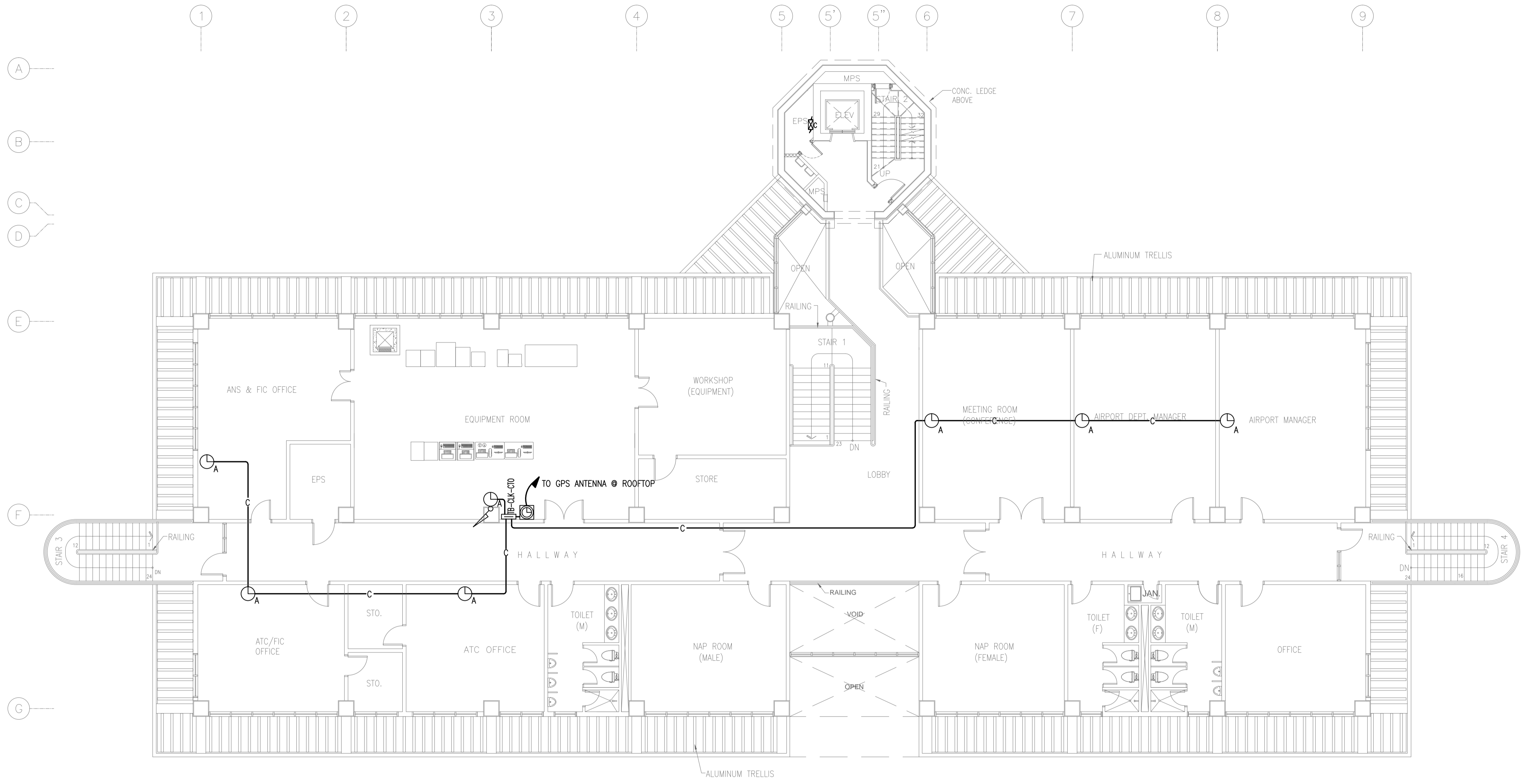
1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR CABLE TV SYSTEM PLAN
 B3-6400-02 GRAPHIC SCALE 0 1 2 5 10m

	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: JULYANTO 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR CATV	SHEET NO: B3-6400-02 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE JAC 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	JULYANTO 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: HC Validated by:	



1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR SYNCHRONIZING CLOCK SYSTEM PLAN
 B3-6600-01 GRAPHIC SCALE 0 1 2 5 10m

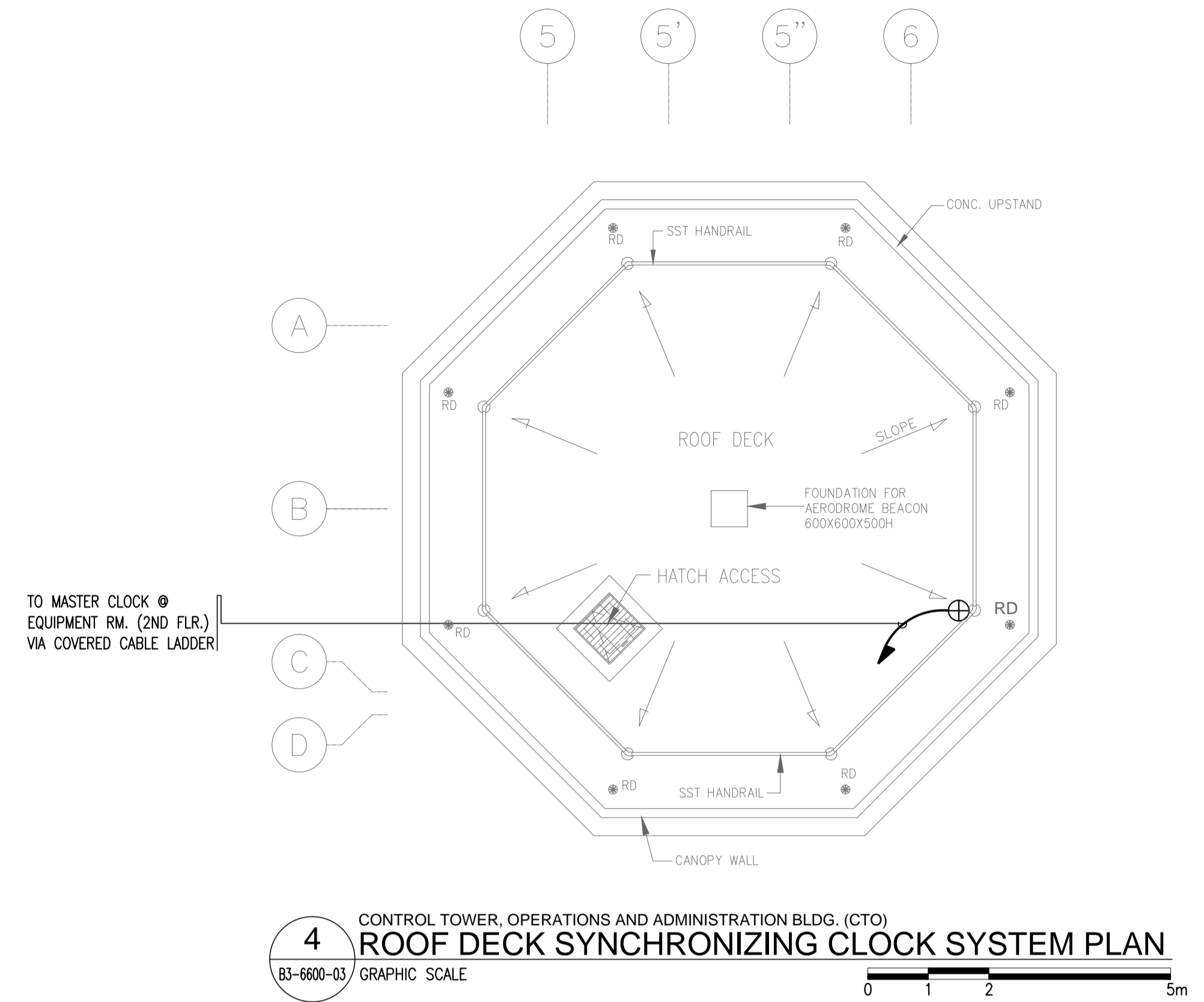
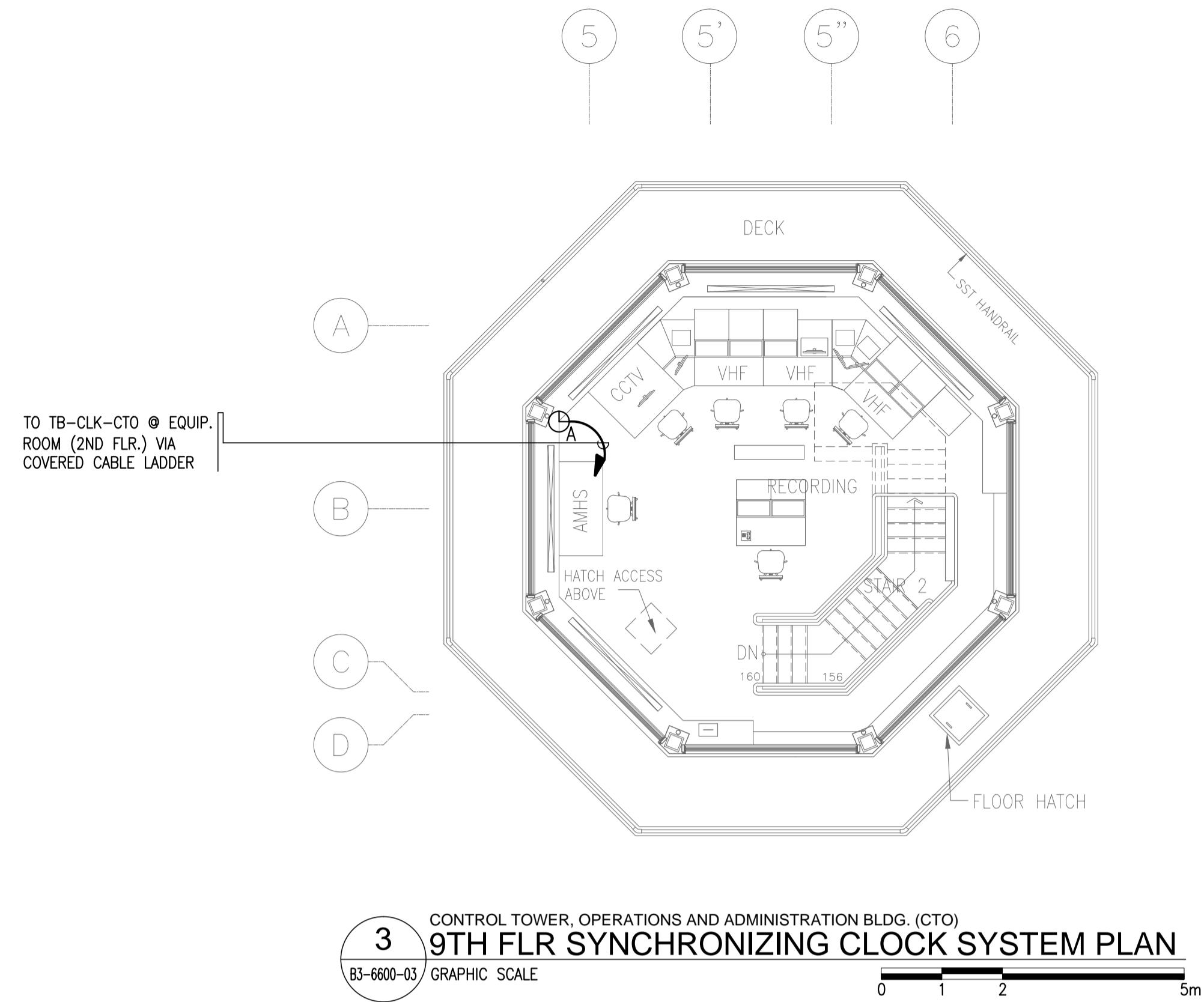
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773 REG. NO.: 1927 DATE: 1-04-13 T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR CLOCK	SHEET NO: B3-6600-01
	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: WIM Checked by: HC Validated by:



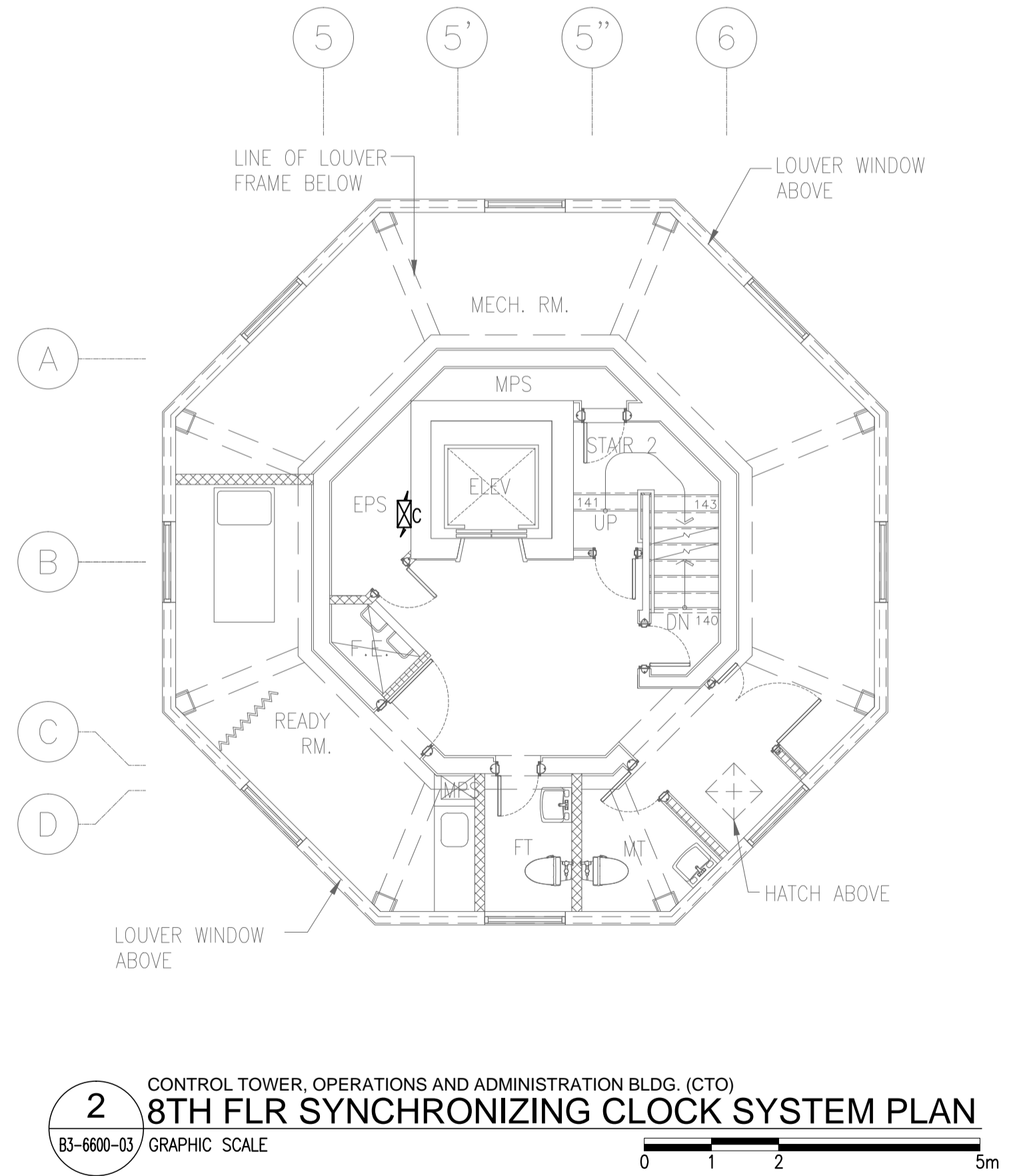
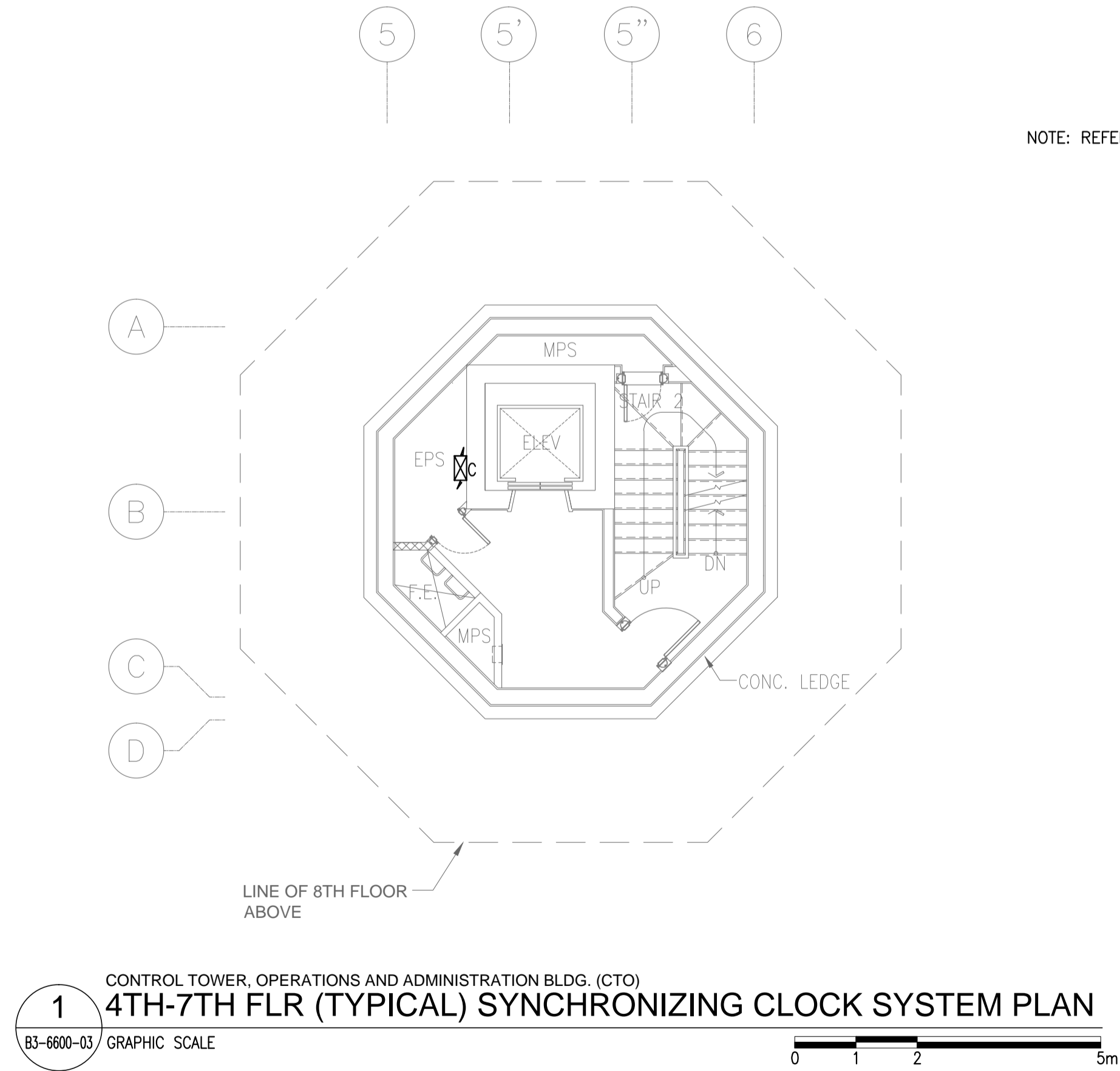
NOTE: REFER TO SYNCHRONIZING CLOCK SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR SYNCHRONIZING CLOCK SYSTEM PLAN
 B3-6600-02 / GRAPHIC SCALE 0 1 2 5 10m

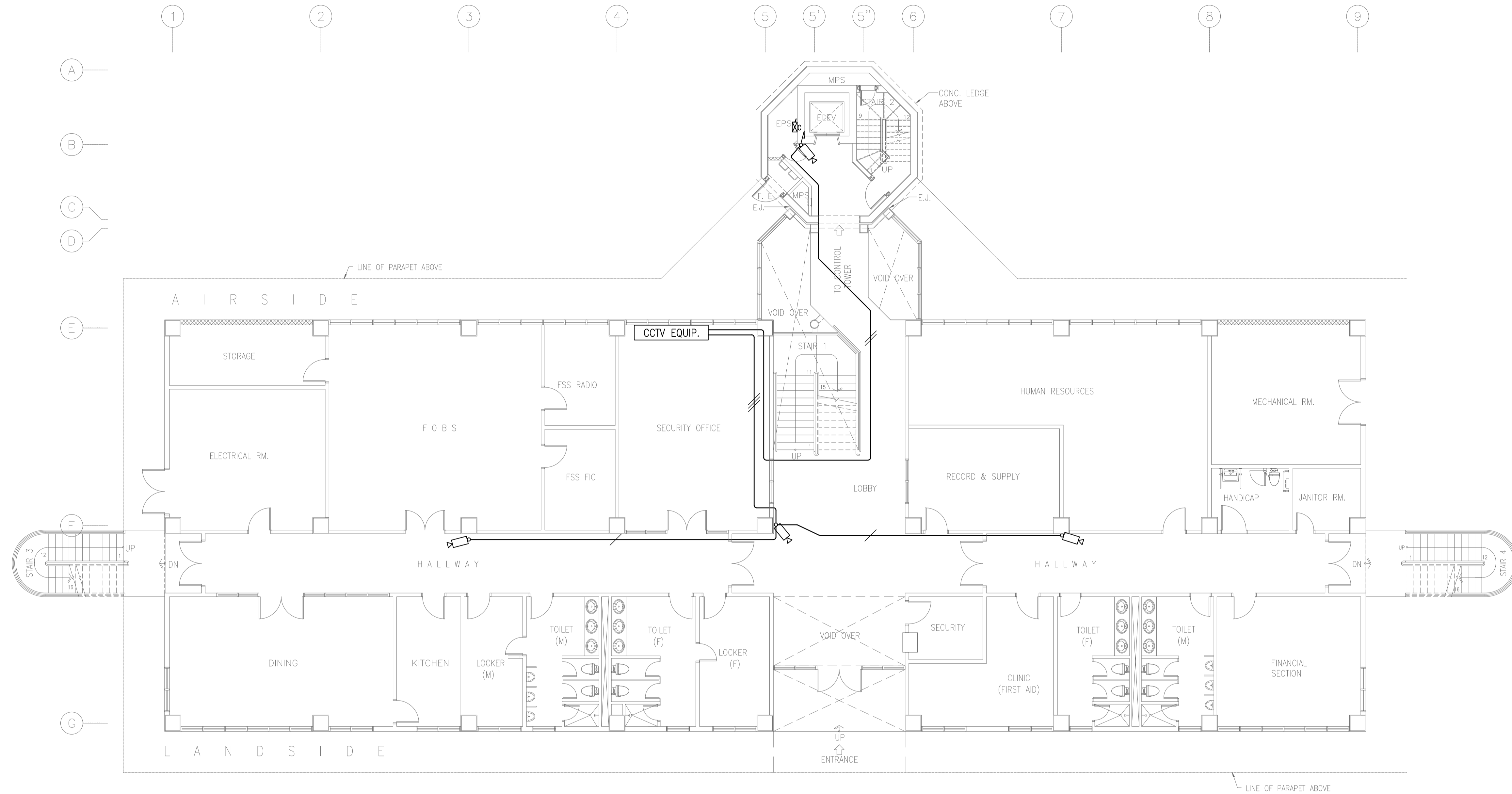
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	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC. NIPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.	TADASHI AOI <small>Team Leader</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013 INDEX: _____ AMENDMENTS: _____ Prepared by: _____ Checked by: _____ Validated by: _____	WIM HC	



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



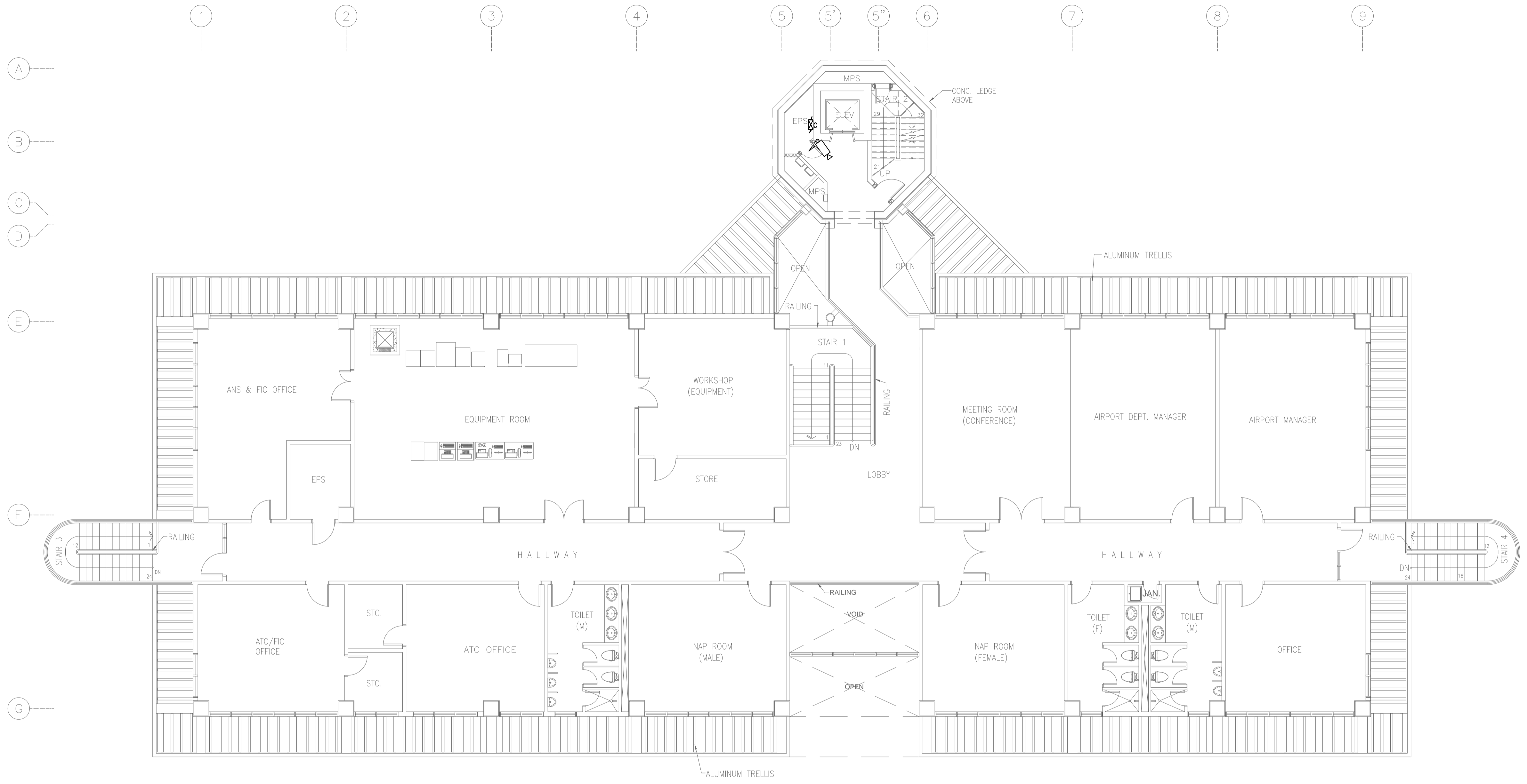
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	JICA DESIGN CONSULTANT JOINT VENTURE	TADASHI AOI <small>Team Leader</small>	ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX AMENDMENTS Prepared by Checked by Validated by JUNE 2013 WIM HC



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

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR CCTV SYSTEM PLAN
 B3-6700-01 GRAPHIC SCALE 0 1 2 5 10m

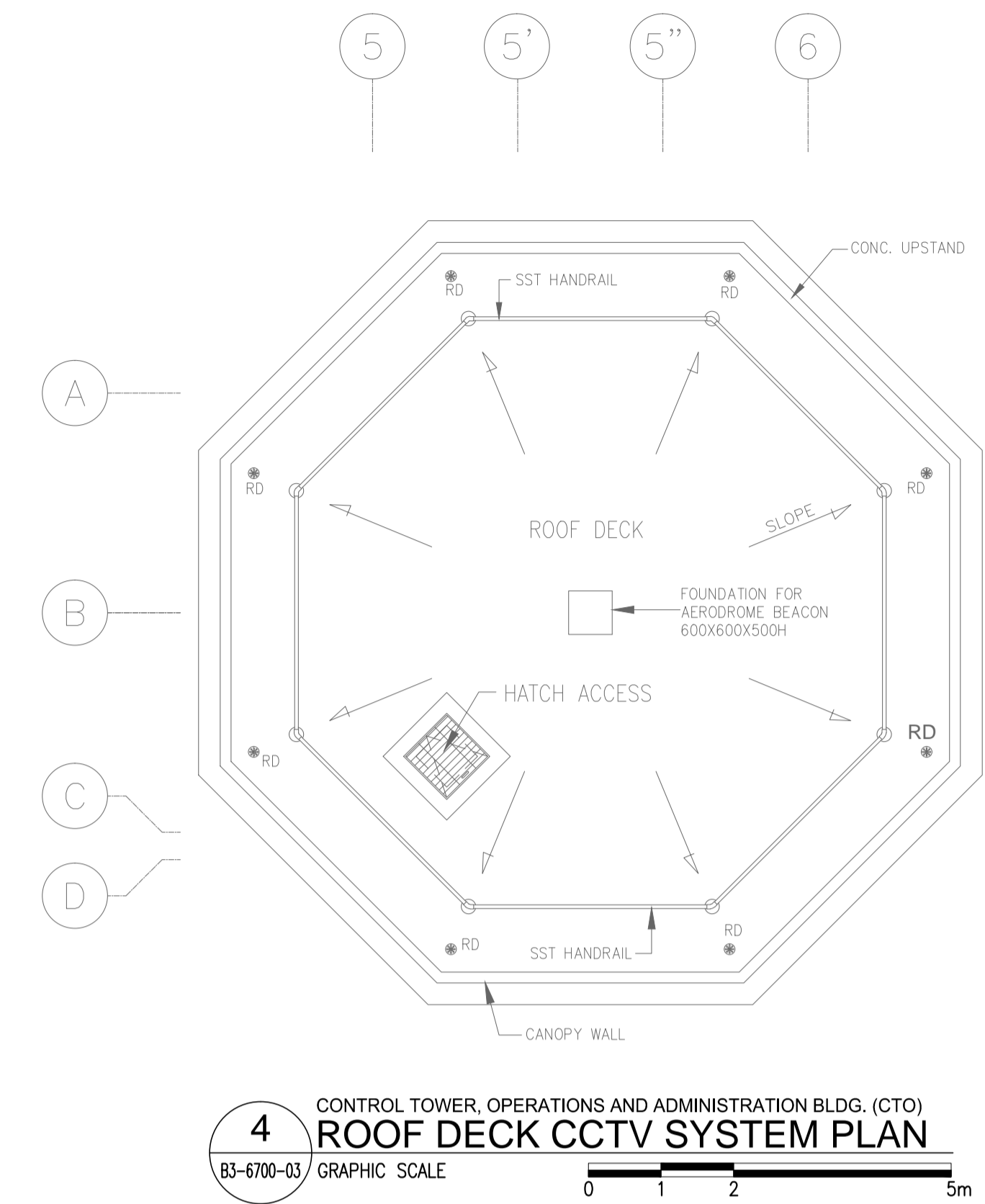
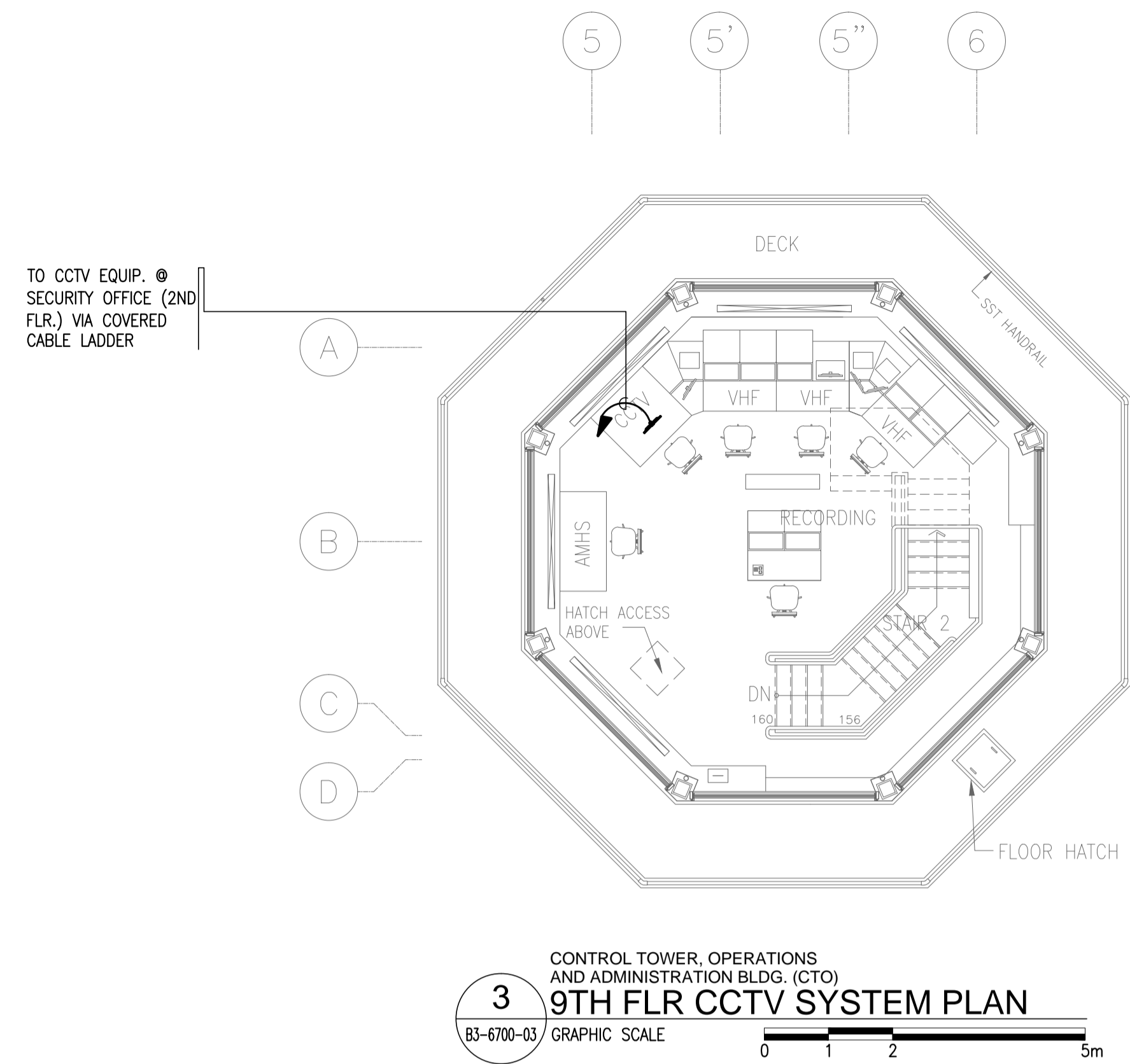
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773 REG. NO.: 1927 DATE: 1-04-13 T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR CCTV	SHEET NO: B3-6700-01
	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:



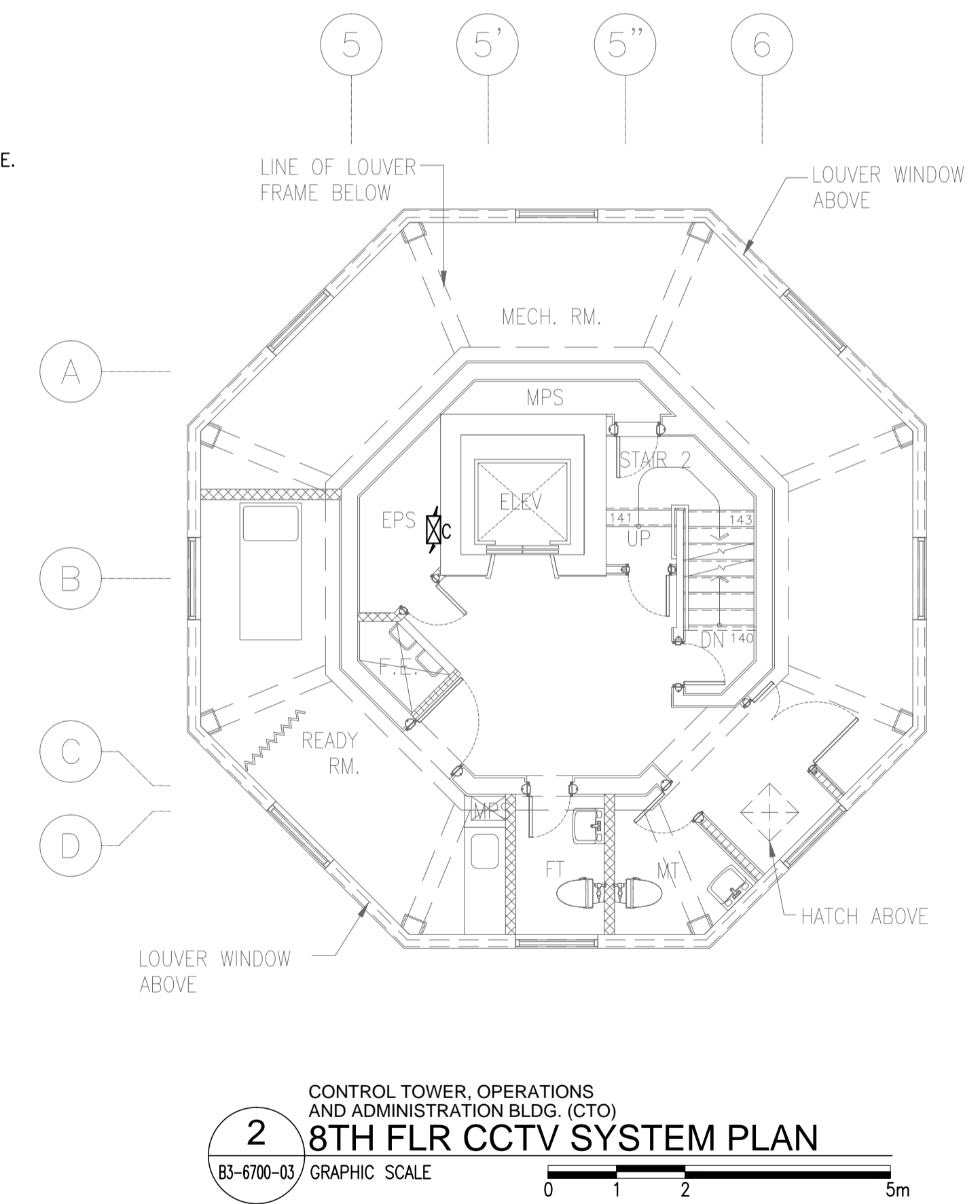
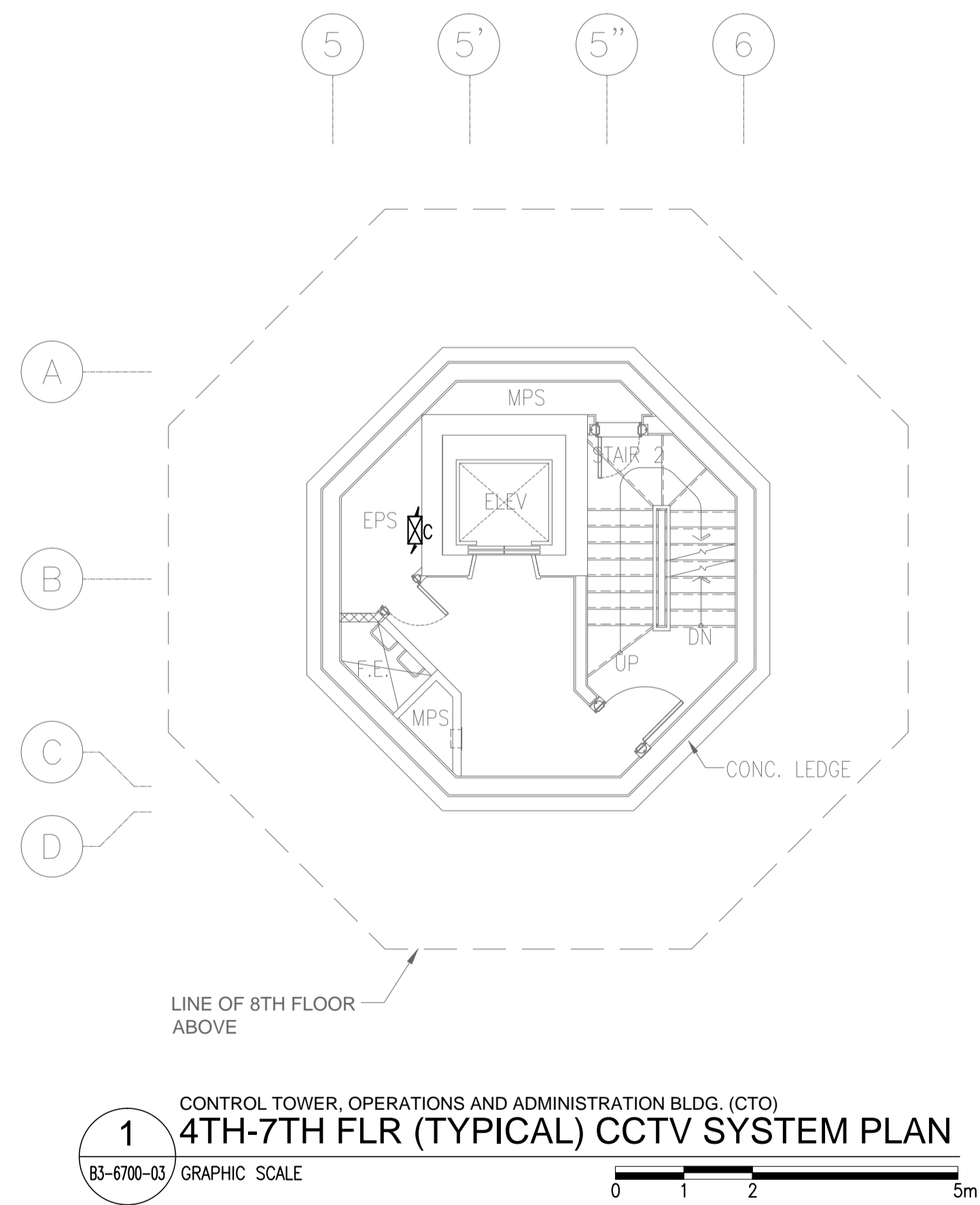
NOTE: REFER TO CCTV SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR CCTV SYSTEM PLAN
 B3-6700-02 GRAPHIC SCALE 0 1 2 5 10m

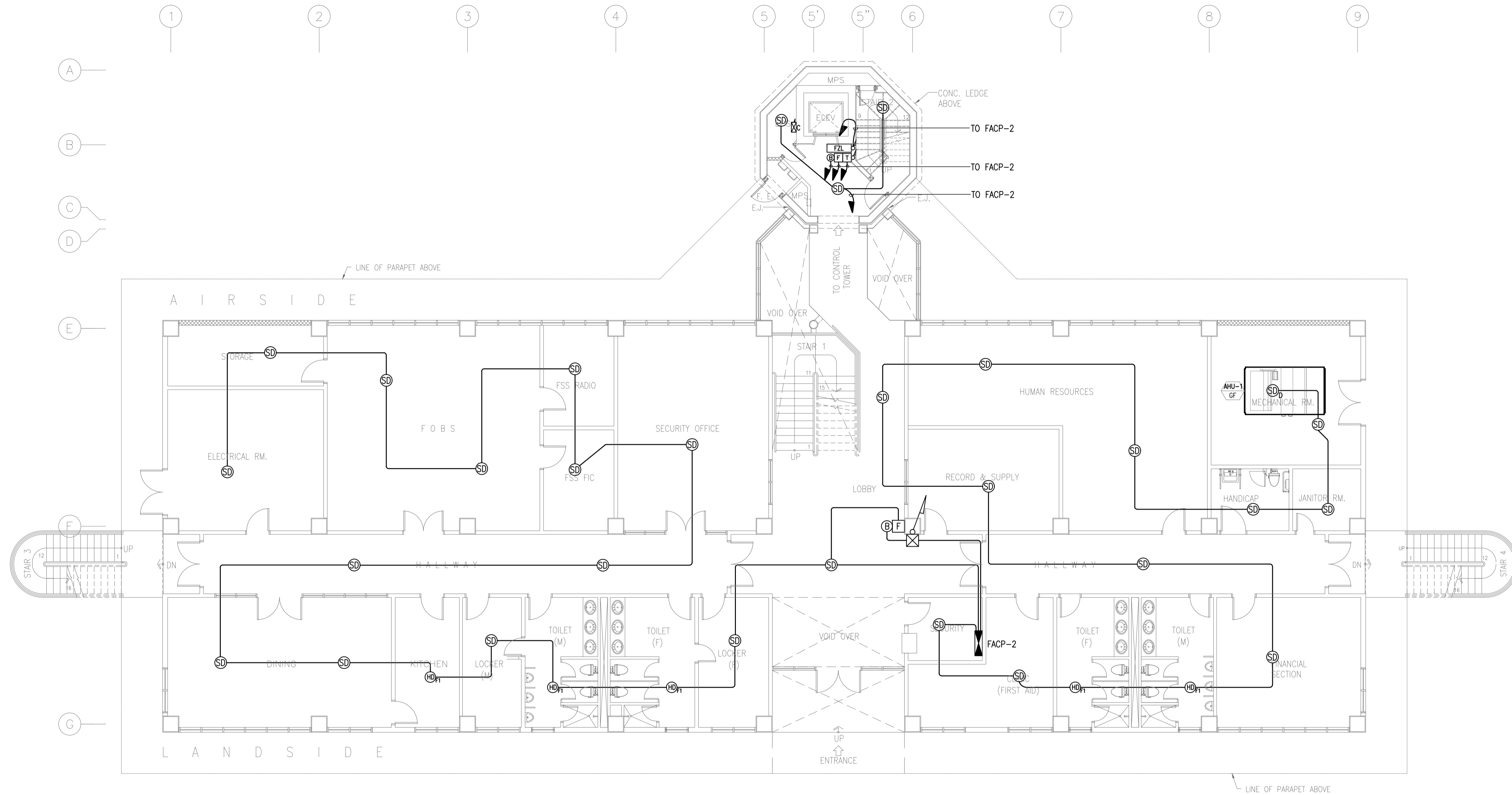
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773 REG. NO.: 1927 DATE: 1-04-13 T.J.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR CCTV	SHEET NO: B3-6700-02
	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:



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



	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773 REG. NO.: 1927 DATE: 1-04-13 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 4TH-9TH FLR CCTV	SHEET NO: B3-6700-03
	JICA DESIGN CONSULTANT JOINT VENTURE 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: WIM HC Prepared by: WIM Checked by: HC Validated by:

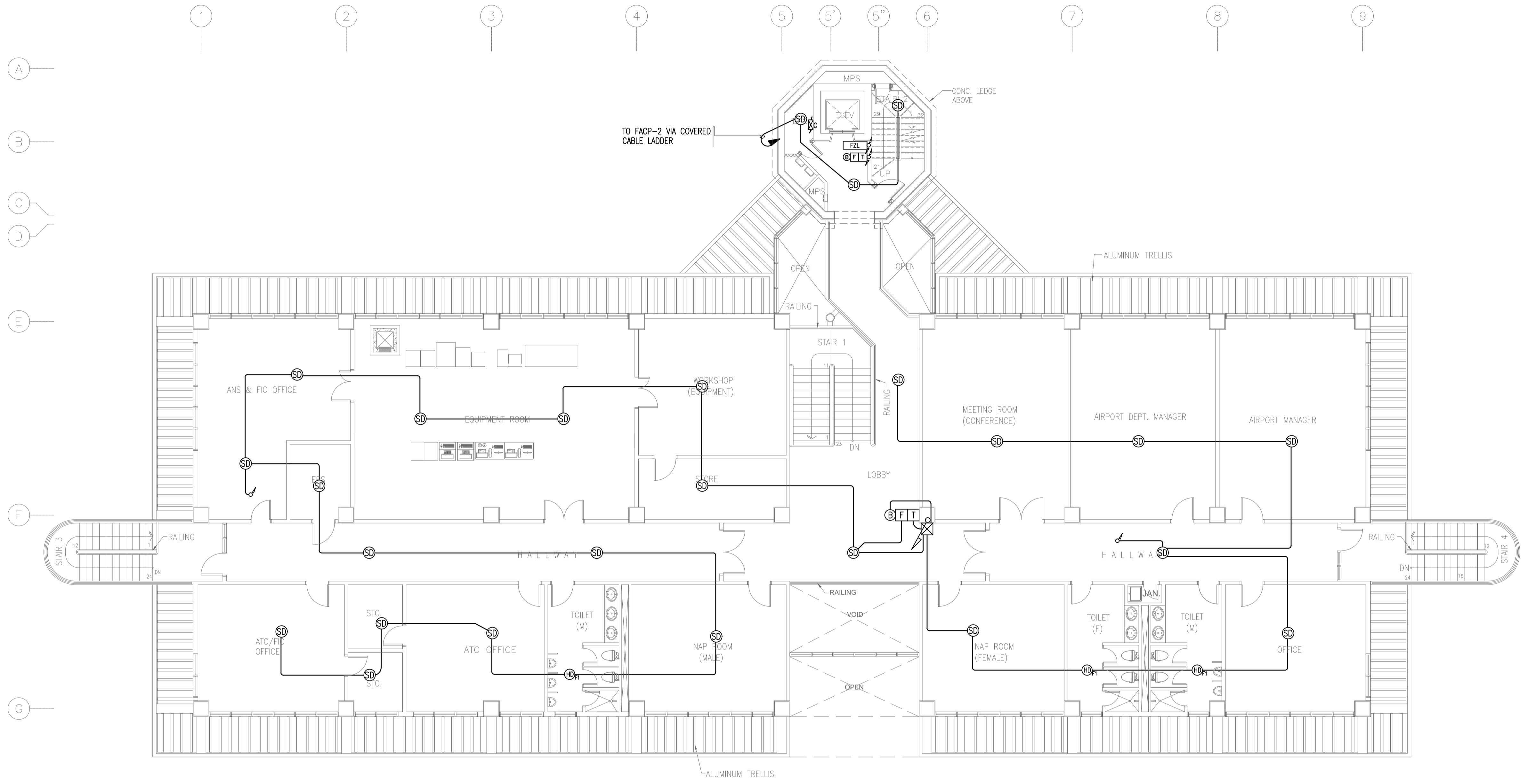


NOTE: REFER TO FIRE DETECTION AND ALARM SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR FIRE DETECTION AND ALARM SYSTEM PLAN
 B3-6800-01 GRAPHIC SCALE



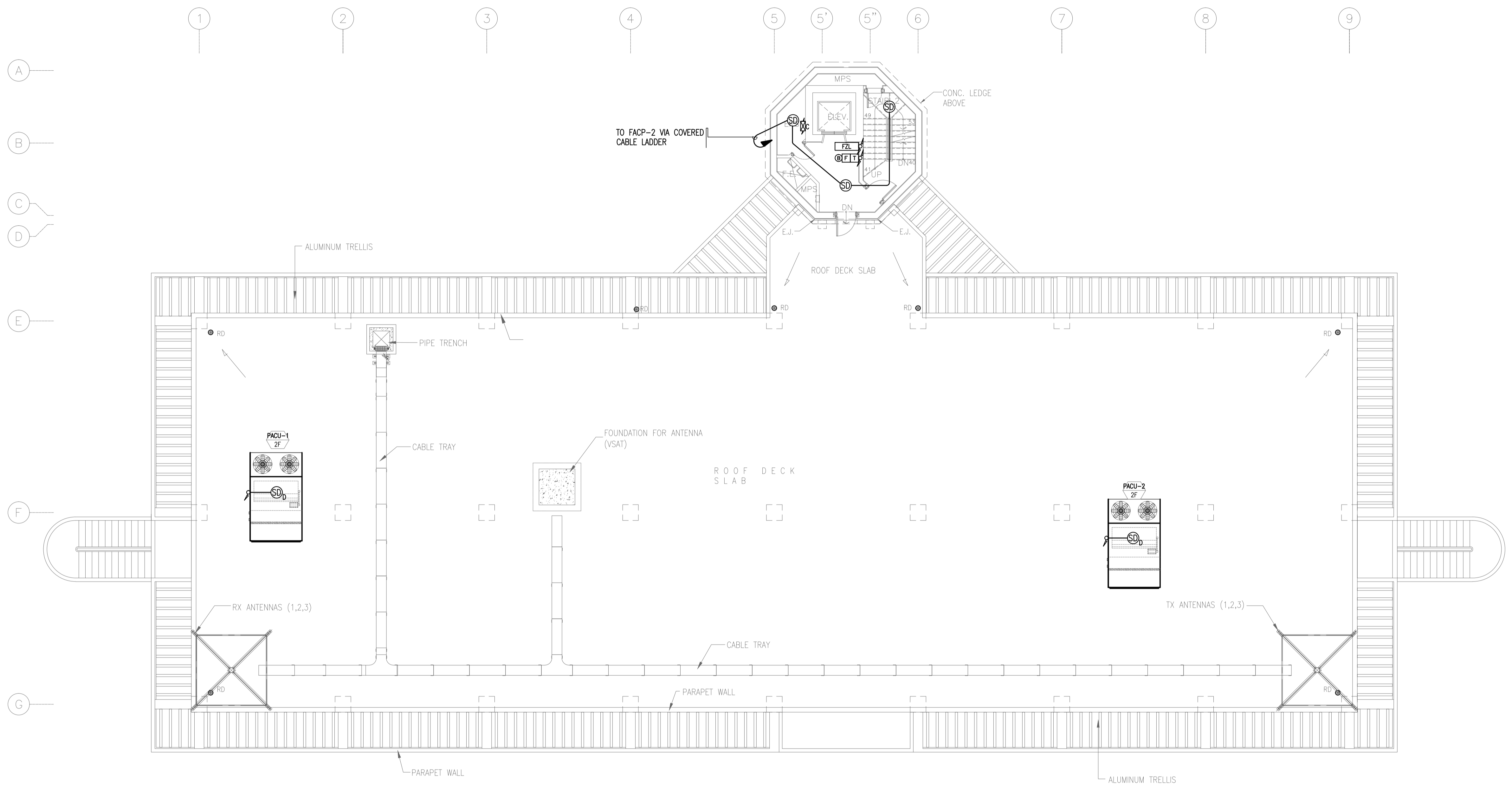
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR FDAS	SHEET NO: B3-6800-01 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAC JAPAN AIRPORT CONSULTANTS, INC. NIPPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.</small>	DATE: JUNE 2013 INDEX: [] AMENDMENTS: [] Prepared by: WIM Checked by: HC Validated by:					



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

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
SECOND FLOOR FIRE DETECTION AND ALARM SYSTEM PLAN
 B3-6800-02 GRAPHIC SCALE 0 1 2 5 10m

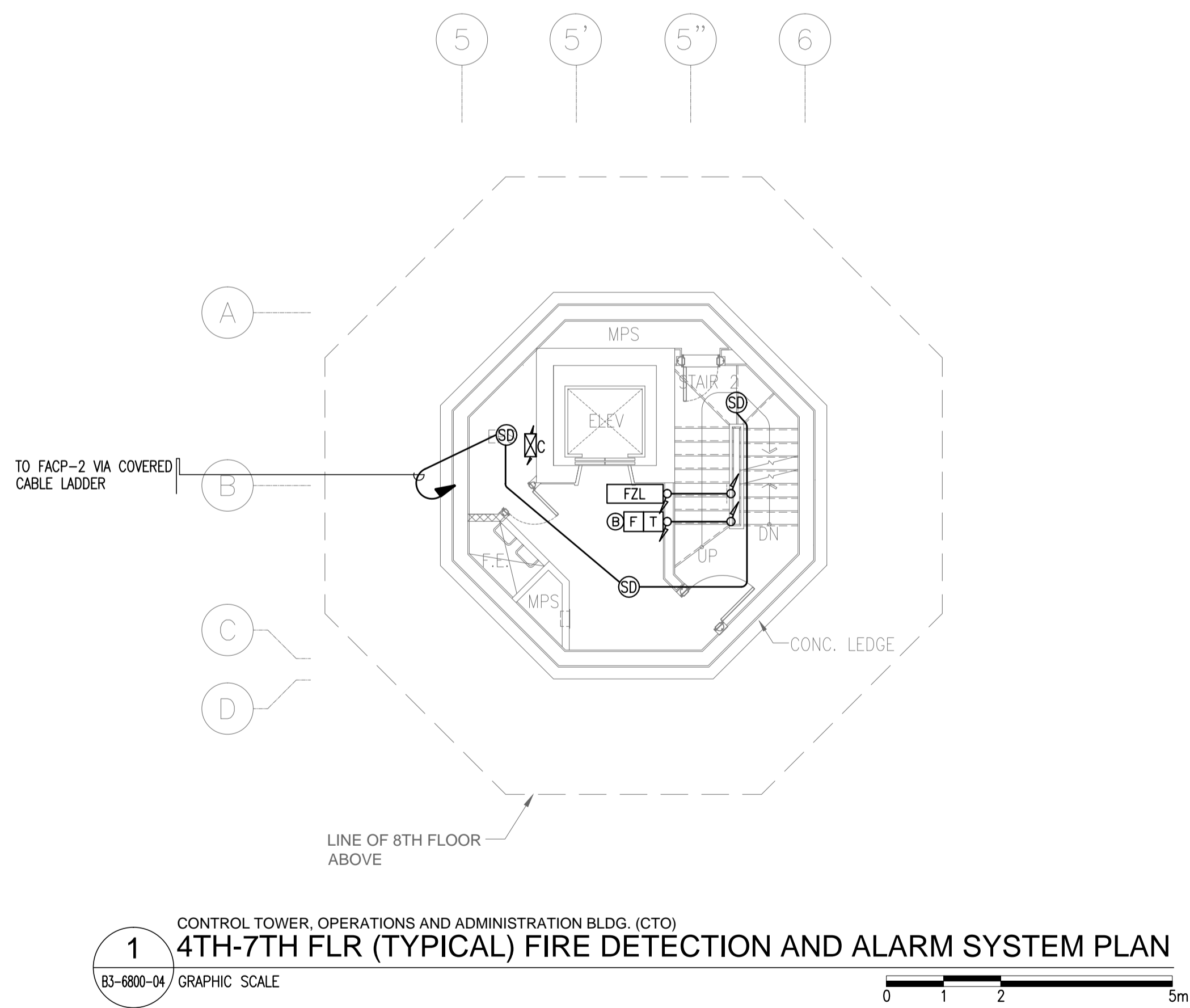
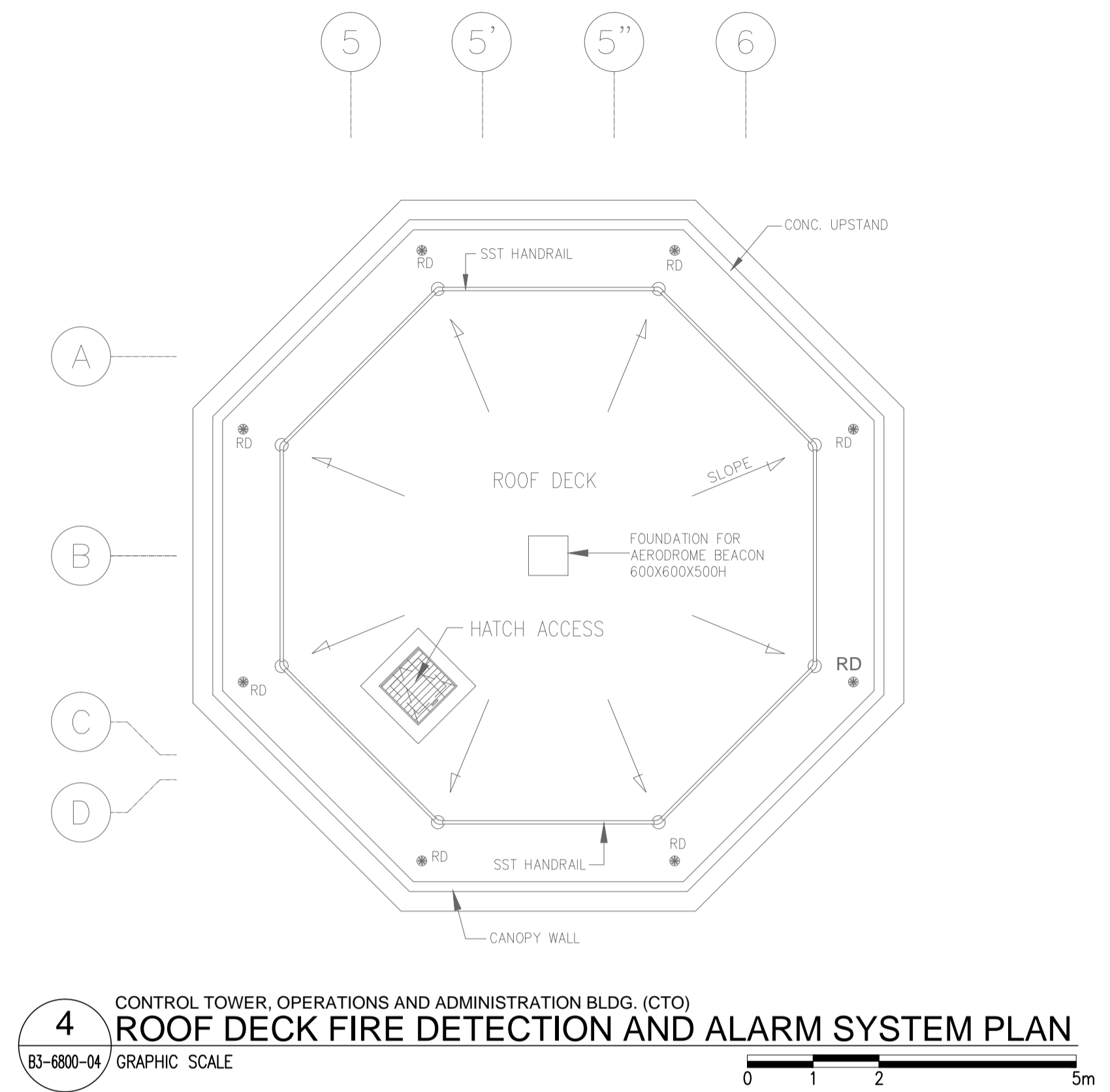
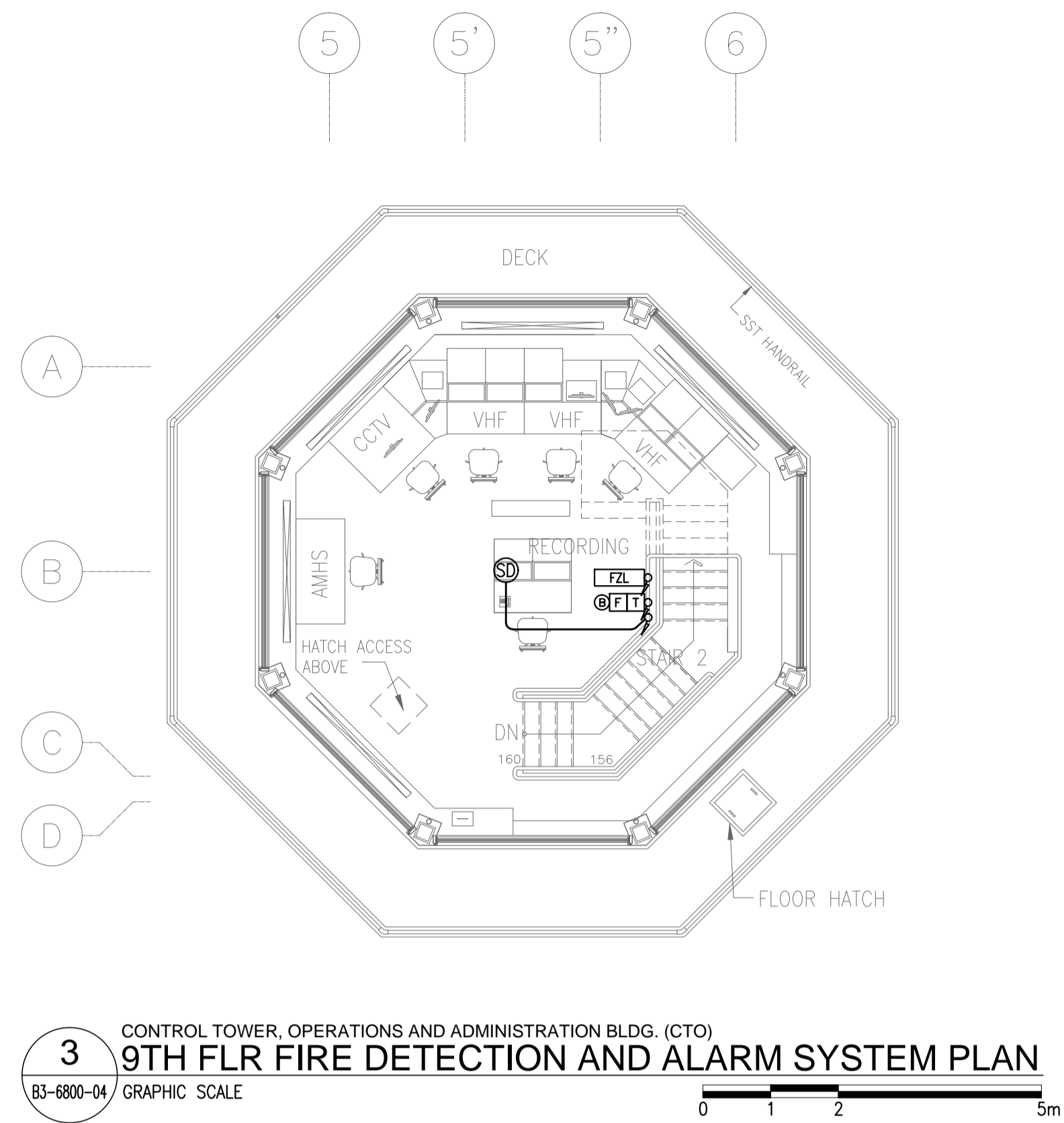
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary</small> <small>for Project Implementation, DOTC</small>	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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 2ND FLR FDAS	SHEET NO: B3-6800-02 DRAWING SCALE: 1:100 m
	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>	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:



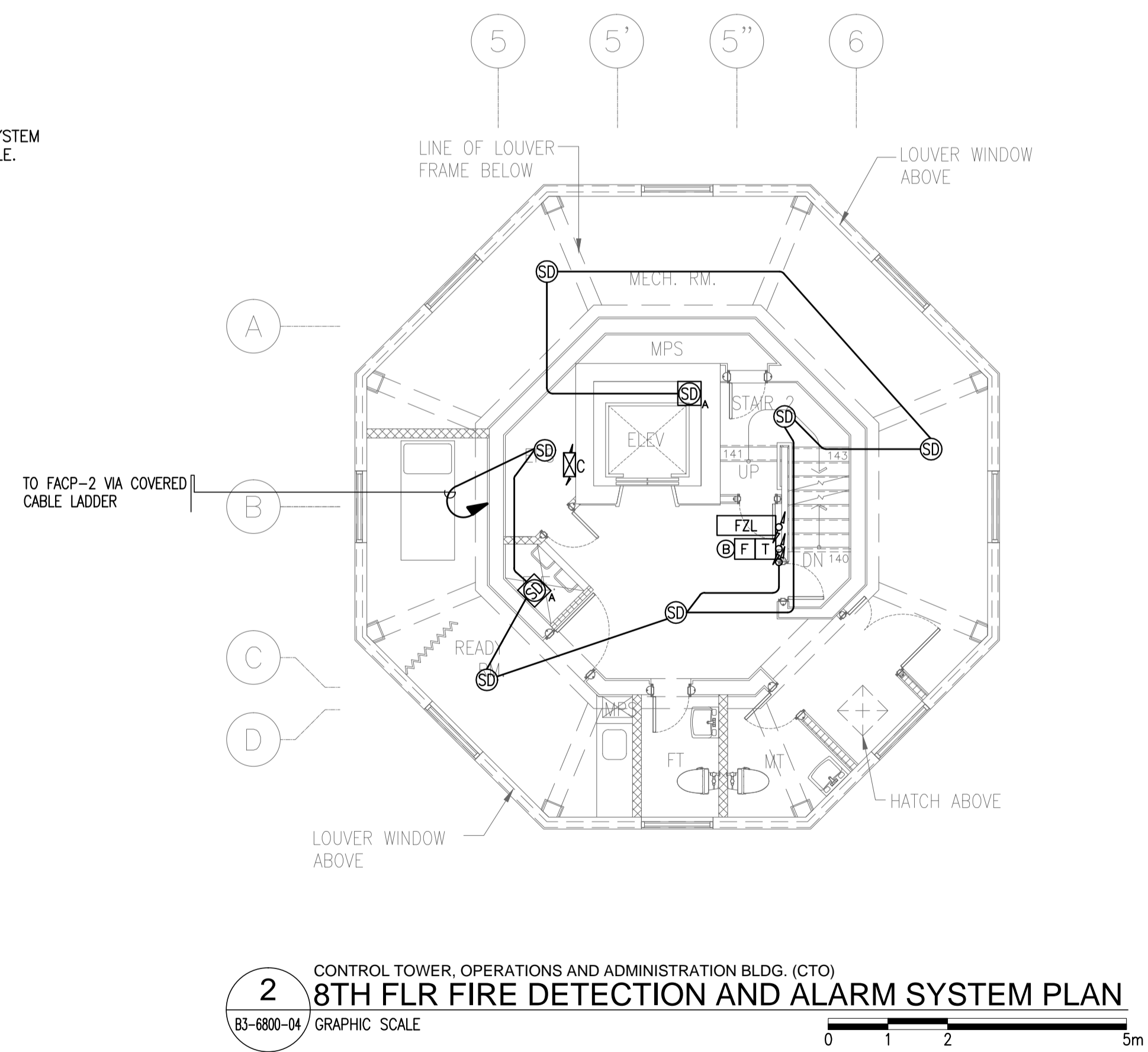
NOTE: REFER TO FIRE DETECTION AND ALARM SYSTEM SCHEMATIC DIAGRAM FOR WIRING SCHEDULE.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
3RD FLR (ROOF DECK) FIRE DETECTION AND ALARM SYSTEM PLAN
 B3-6800-03 GRAPHIC SCALE 0 1 2 5 10m

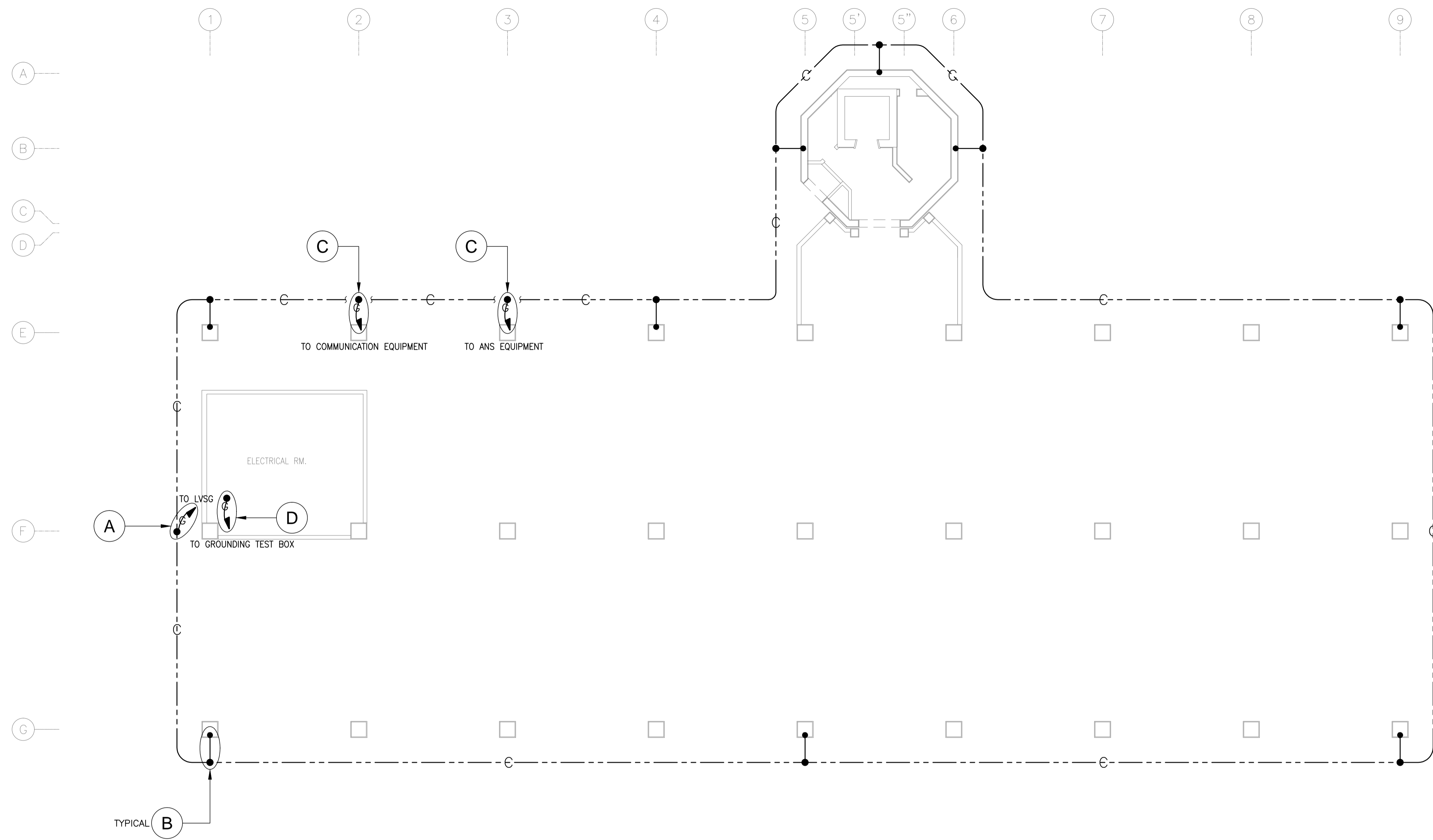
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.J.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 3RD FLR FDAS	SHEET NO: B3-6800-03 DRAWING SCALE: 1:100 m
	JICA DESIGN CONSULTANT JOINT VENTURE <small>JAC JAPAN AIRPORT CONSULTANTS, INC. NIPON KOEI CO., LTD. NIS CONSULTANTS CO., LTD.</small>	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: _____	WIM HC	



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



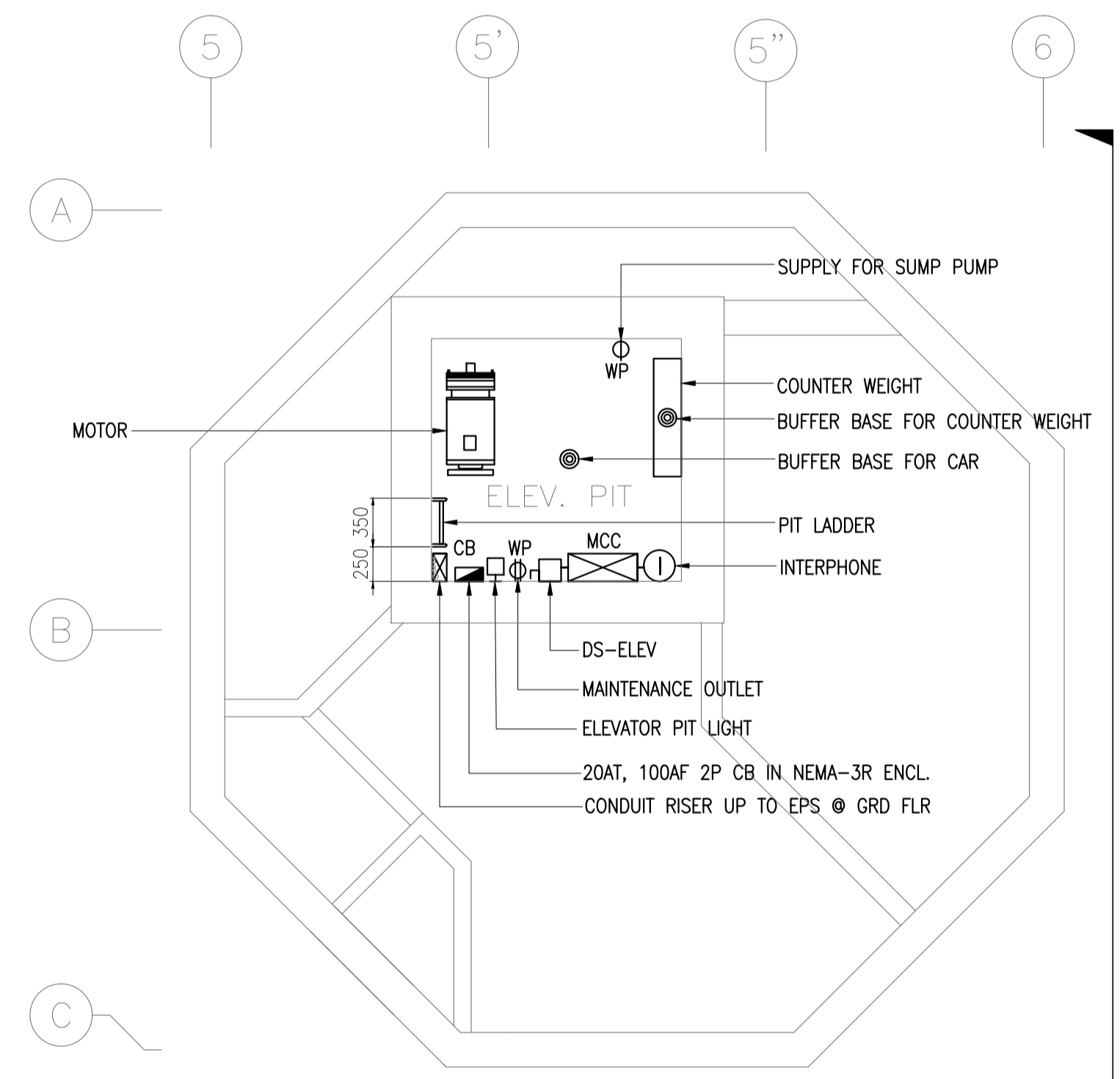
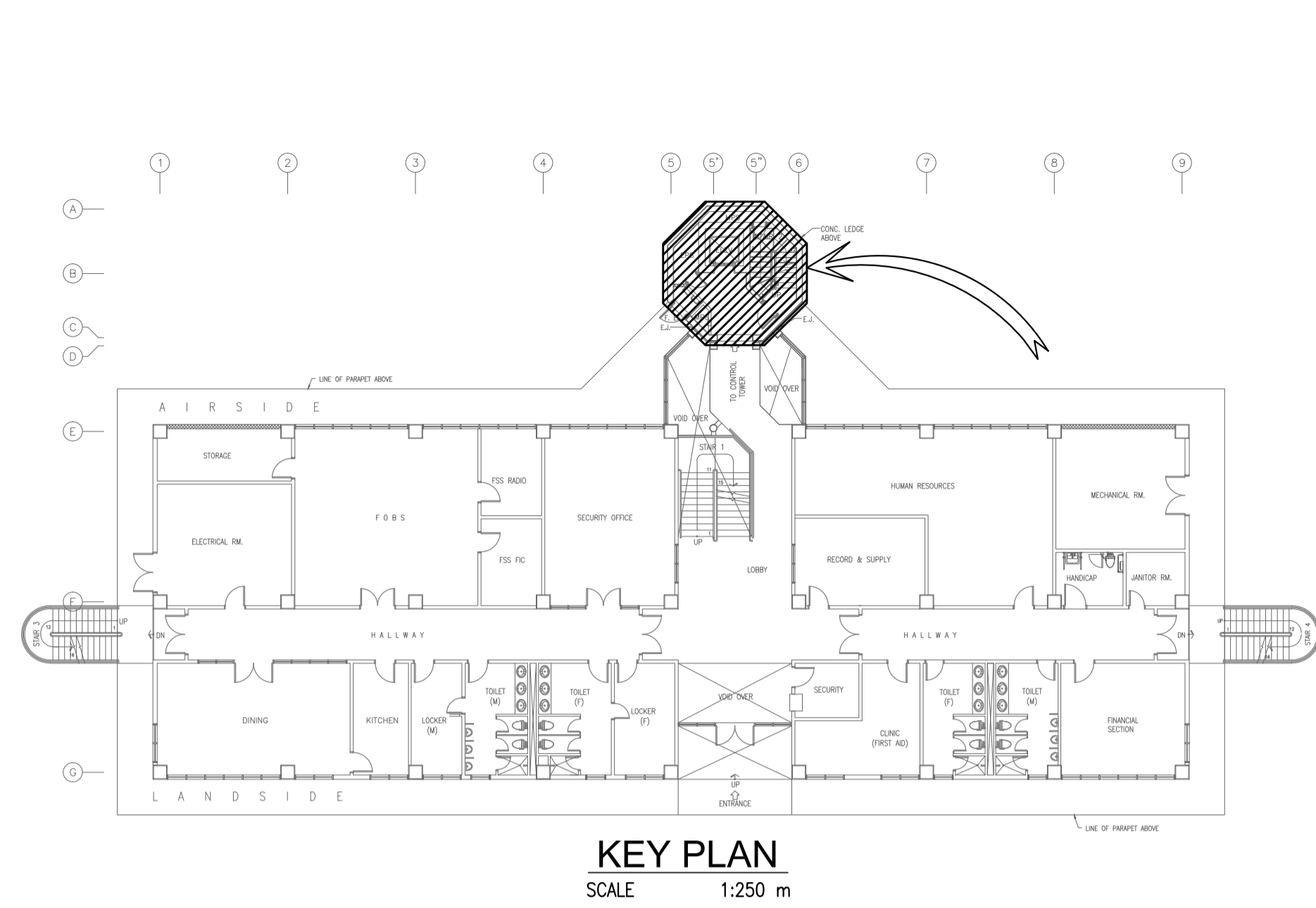
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PIR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>T.N. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT	SHEET CONTENTS: COMPONENT-4 BUILDING WORKS (B) SUBCOMPONENT-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL 4TH-9TH FLR FDAS	SHEET NO: B3-6800-04
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI <small>Team Leader</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE: JUNE 2013 INDEX:	DRAWING SCALE: 1:75 m



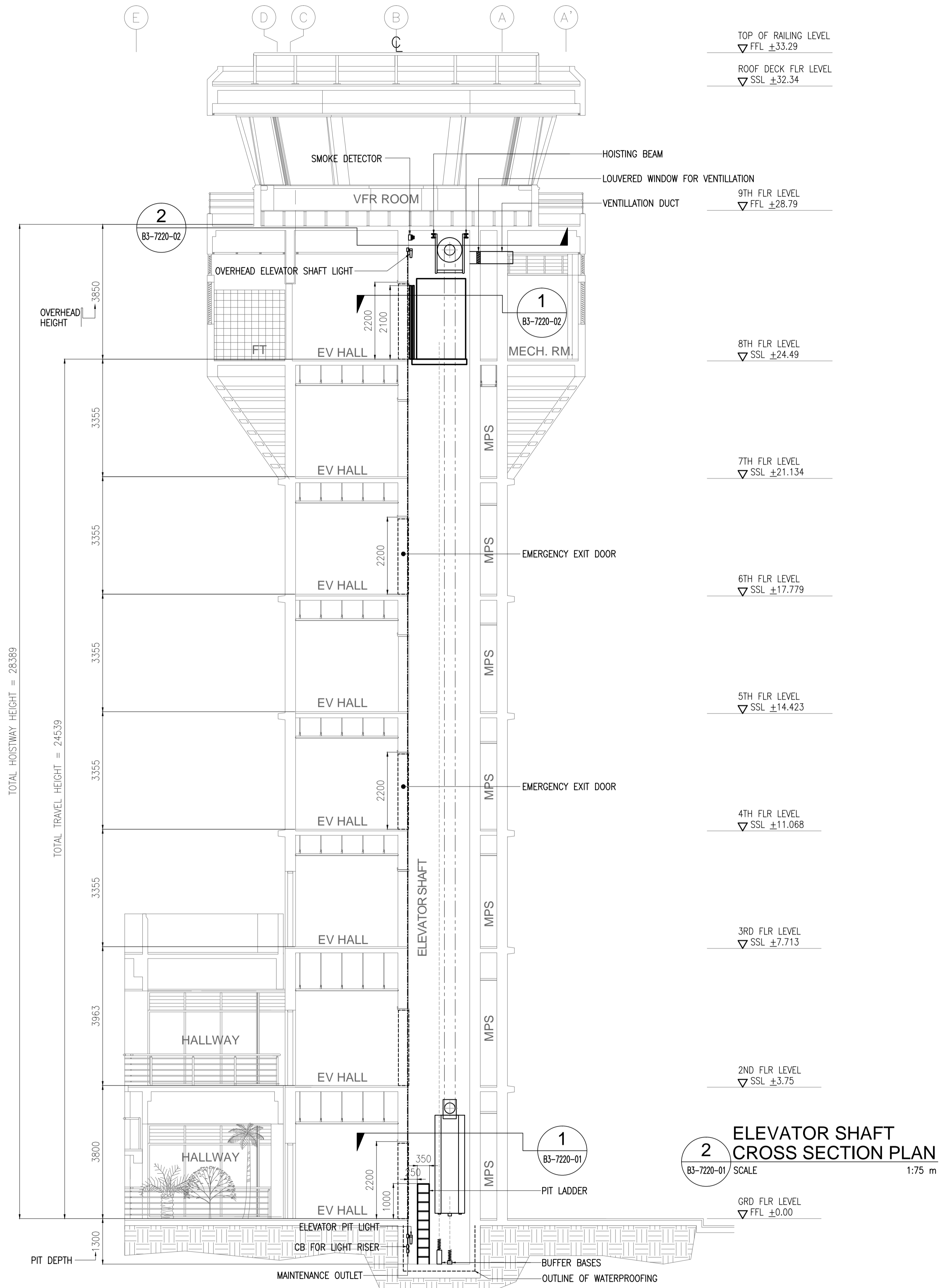
NOTE: SEE SHEET NO. B0-6900-04 FOR DETAILS.

1 CONTROL TOWER, OPERATIONS AND ADMINISTRATION BLDG. (CTO)
GROUND FLOOR GROUNDING SYSTEM PLAN
 B3-6900-01 GRAPHIC SCALE 0 1 2 5 10m

	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773 REG. NO.: 1927 DATE: 1-04-13 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL GRD FLR GROUNDING	SHEET NO: B3-6900-01
	JICA DESIGN CONSULTANT JOINT VENTURE 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: 1:100 m		



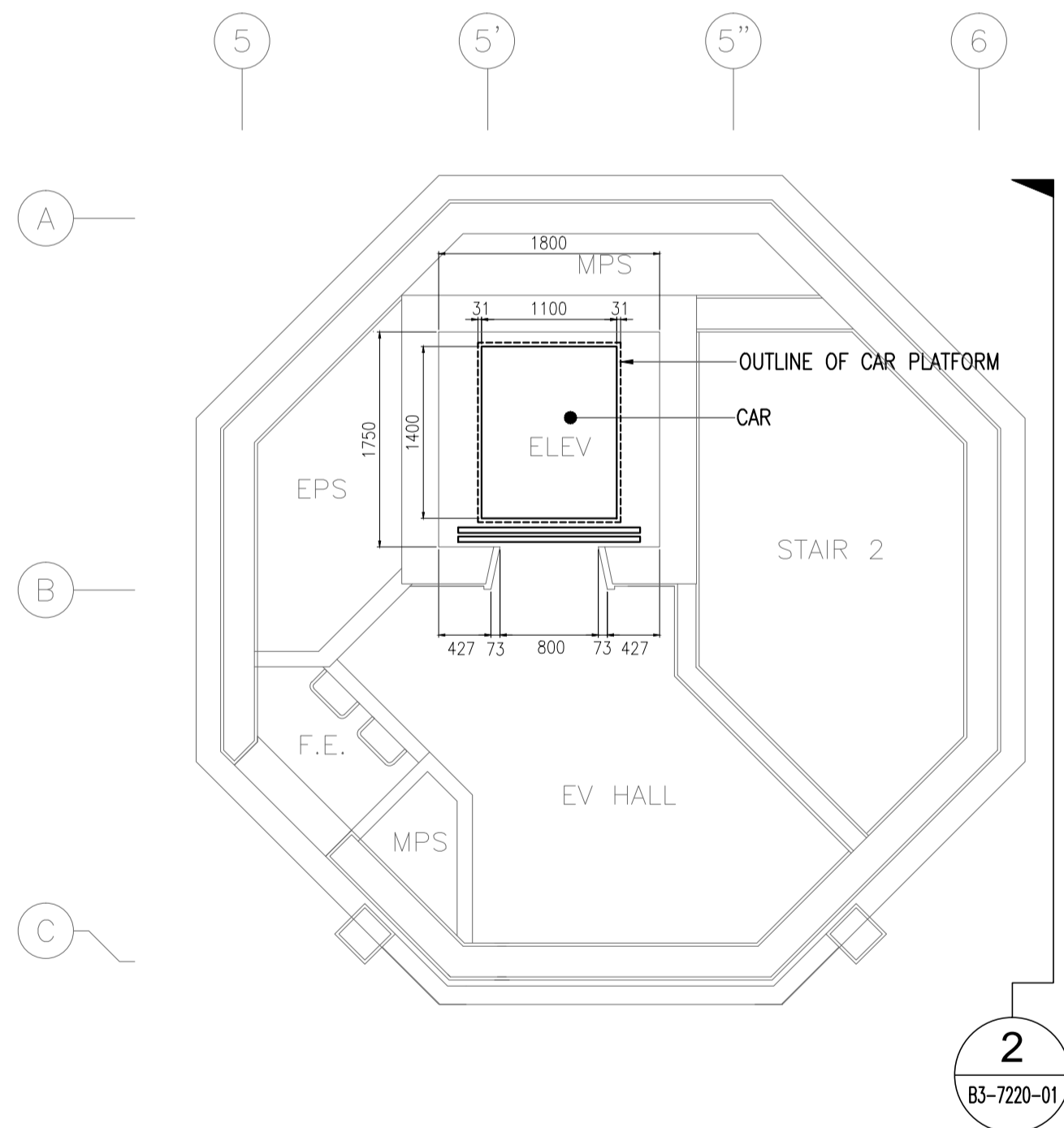
- NOTES:**
- REFER TO SHEET NO. B3-6100-06 FOR SIZE & RATING OF DS-ELEV, MCC AND SUMP PUMP HOMERUN.
 - REFER TO SHEET NO. B3-6200-01 FOR MAINTENANCE OUTLET HOMERUN.
 - REFER TO SHEET NO. B3-6200-05 FOR CB OF ELEVATOR SHAFT LIGHTS HOMERUN.
 - REFER TO SHEET NO. B3-6300-01 FOR INTERPHONE HOMERUN.
 - FINAL DIMENSIONS WILL BE COORDINATED TO ARCHITECTURAL.
 - SUBMIT SHOP DRAWINGS.



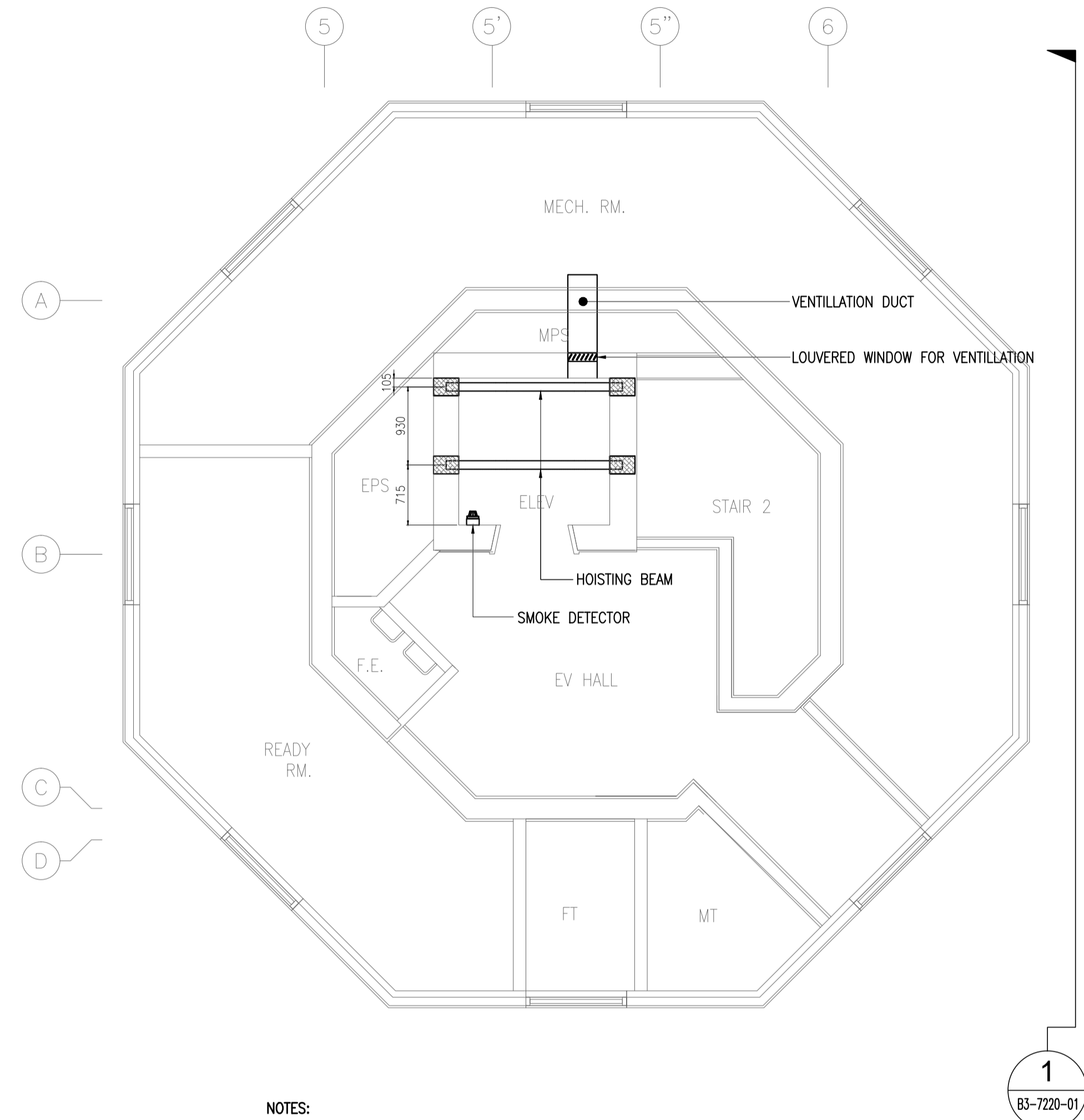
	PREPARED BY: TEODORO N. PAMATMAT <small>PROF. ELECTRICAL ENGINEER PTR. 1403773</small> <small>REG. NO.: 1927 DATE: 1-04-13</small> <small>TEL. 119-747-900 PLACE: MANILA</small>	RECOMMENDING APPROVAL: ILDEFONSO T. PATDU, JR. <small>Assistant Secretary for Project Implementation, DOTC</small>	APPROVED: 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-4-3 (B3) Control Tower, ATC Operation & Administration Building ELECTRICAL ELEVATOR PLAN 1	SHEET NO: B3-7200-01
	JICA DESIGN CONSULTANT JOINT VENTURE JAC JAPAN AIRPORT CONSULTANTS, INC.	TADASHI AOI <small>Team Leader</small>	JULIANITO G. BUCAYAN, JR. <small>Undersecretary for Project Implementation, DOTC</small>	DATE: JUNE 2013	DRAWING SCALE: AS SHOWN	PREPARED BY: WIM CHECKED BY: HC VALIDATED BY:	

EV FOR CONTROL TOWER

SPECIFICATION	
TYPE/USE	UAX MACHINE ROOM LESS ELEVATOR
RATED LOAD	630 KGS. (9 PERSONS)
RATED SPEED	60 m/MIN
CONTROL SYSTEM	INVERTER & MICROCOMPUTER CONTROLLED(AUTOMATIC)
OPERATION SYSTEM	SIMPLEX SELECTIVE COLLECTIVE (ELECTRIC)
PLATFORM SIZE	1400 mm(W) x 1100 mm (D)
CAR DOOR	TWO(2) PANEL CENTER OPENING
HOISTWAY DOOR	TWO(2) PANEL CENTER OPENING
SERVICE FLOOR	3 STOPS/ 8 FLOORS (G,2,8)
TRAVEL	24,539 mm
TOTAL HEIGHT	28,389 mm
SUSPENSION ROPE	REFER TO SHOP DRAWINGS
TRACTION MOTOR	REFER TO SHOP DRAWINGS
DOOR MOTOR	REFER TO SHOP DRAWINGS
SIGNAL	DIGITAL (DOT MATRIX)
INDICATOR	ALL FLOORS : VB-BS
ALARM	INTERPHONE
POWER SOURCE	230 V, 3 PHASE , 60 HZ



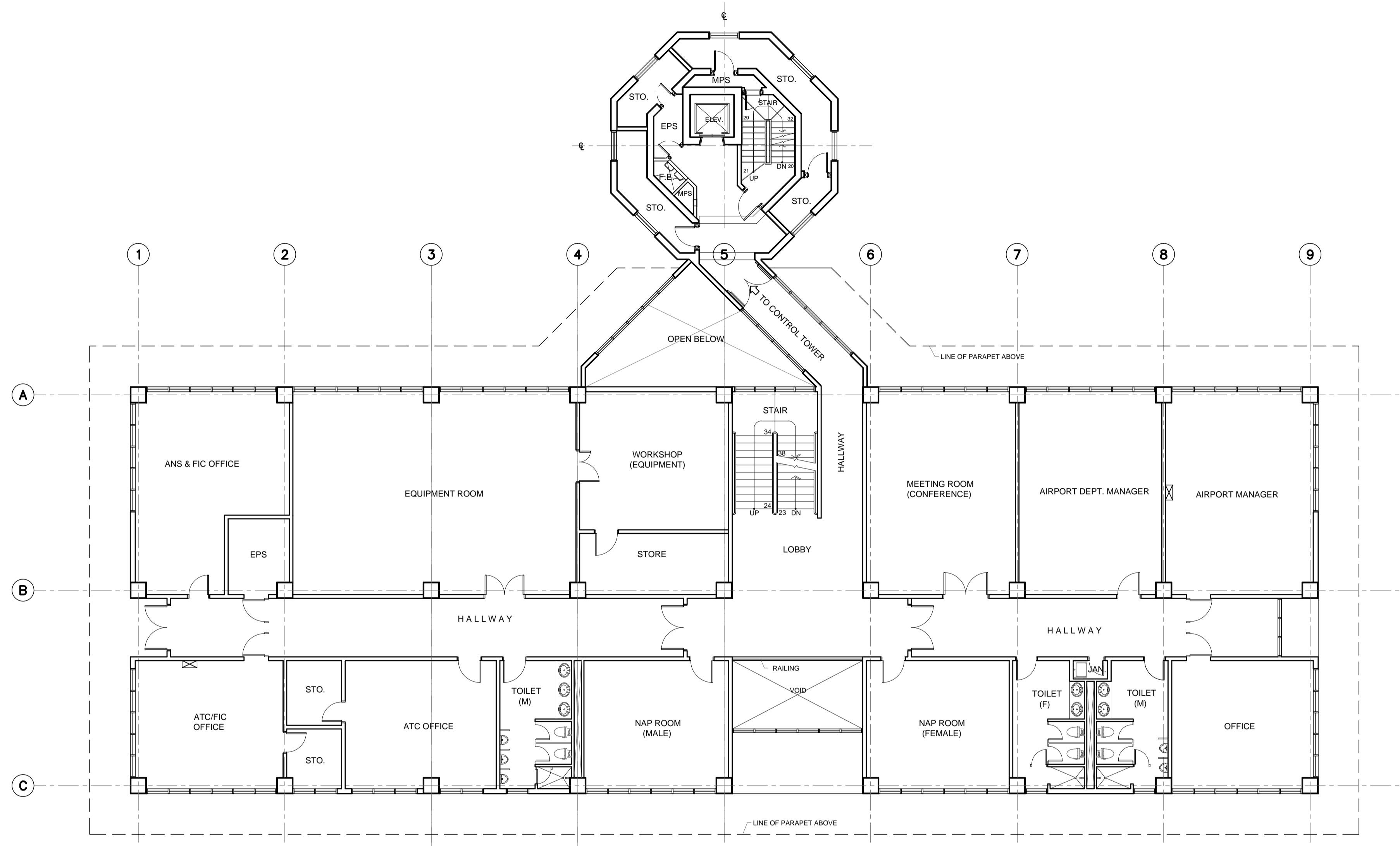
1 TYPICAL ELEVATOR SHAFT LAYOUT PLAN
B3-7220-02 SCALE 1:50 m



- NOTES:
 1. REFER TO SHEET NO. B3-6800-4 FOR SMOKE DETECTOR HOMERUN.
 2. REFER TO MECHANICAL PLANS THE EXACT AND DETAILED FOR VENTILATION.

2 OVERHEAD ELEVATOR SHAFT LAYOUT PLAN
B3-7220-02 / SCALE 1:50 m

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	JICA DESIGN CONSULTANT JOINT VENTURE	TADASHI AOI Team Leader	JULIANITO G. BUCAYAN, JR. Undersecretary for Project Implementation, DOTC	DATE: JUNE 2013	INDEX:	AMENDMENTS:	Prepared by: WIM Checked by: HC Validated by:



Location of LCD at ADM & CTO 2F S=1:200

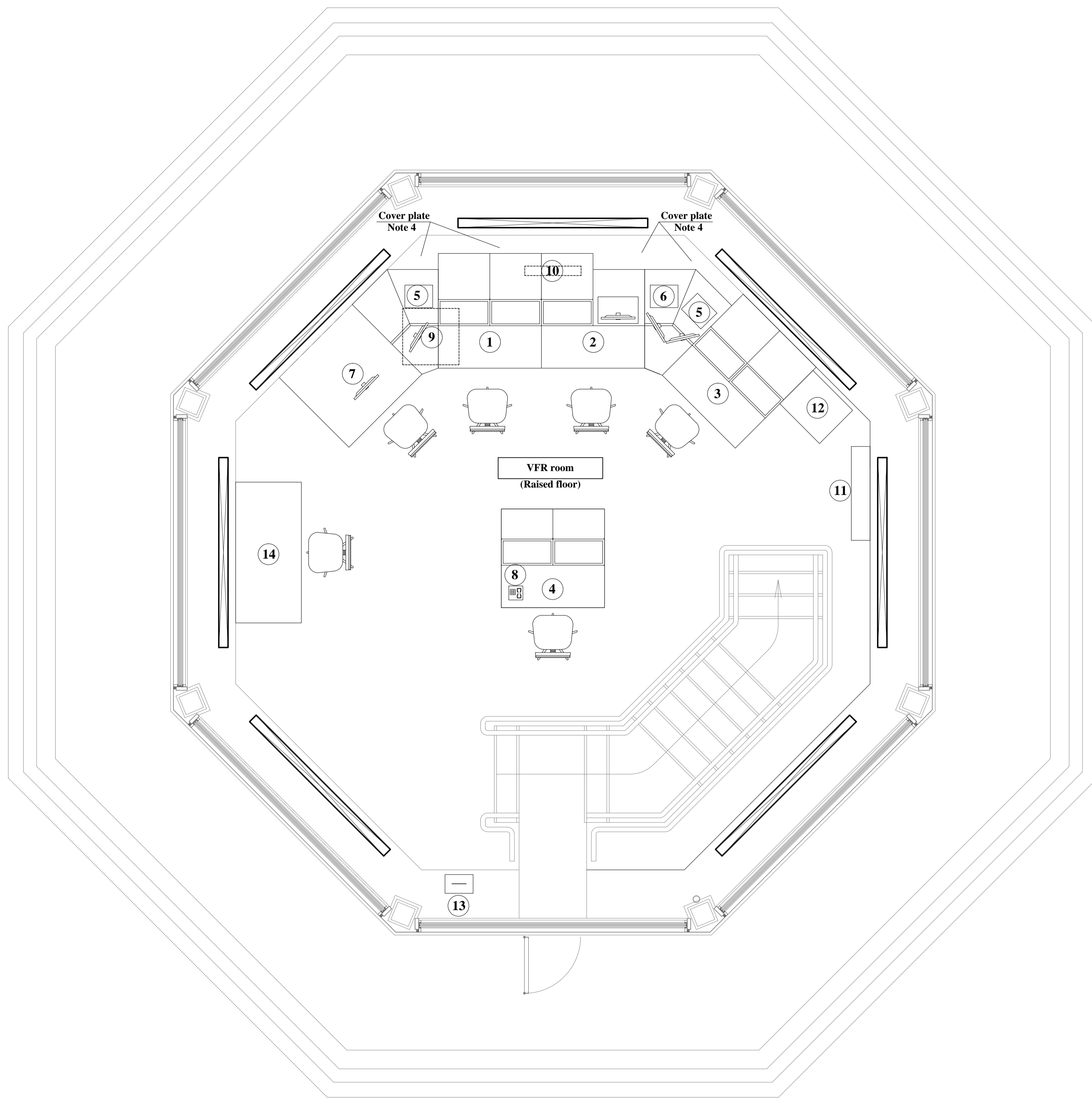
Legend

- : LCD monitor
- : LCD monitor with waterproof box

Note

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

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	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>	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:



Tabulation of providing equipment

No.	Name of equipment	Remarks
①	Aerodrome control console	See Note 1
	Wind display	
	VHF AM Transceiver	
	VHF FM Transceiver	
	Siren control unit	
	Runway in use indicator control unit	
②	Digital clock	-ditto-
	Flight data / Auxiliary console	
	Monitor indicator unit for ANS	
	VHF AM Transceiver	
	Security lock control unit	
③	Digital clock	-ditto-
	Monitor and control unit for AFL	
	Approach control console	
	Wind display	
④	VHF AM Transceiver	-ditto-
	Digital clock	
⑤	Supervisor console	-ditto-
	Recording monitor panel	
⑥	Digital clock	-ditto-
	Weather data display	
⑦	Flight information display	See Note 3
⑧	CCTV display	See Note 2
⑨	Maintenance intercom	See Note 1
⑩	Air traffic light gun	Note.5 -ditto-
⑪	Runway in use indicator	Note.5 -ditto-
⑫	Power distribution board	See Note 2
⑬	DC power supply panel	-ditto-
⑭	Terminal board	-ditto-
⑮	AMHS teminal	See Note 1

Note

- The equipment shall be provided by ANS, ATS and MET work.
- The equipment shall be provided by Electrical work.
- The equipment shall be provided by FIDS work.
- Console cover plate on the back shall be provided by manufacturer of console.
- The equipment shall be installed to the ceiling.

Location of LCD at ADM & CTO 9F S=1:50

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	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: _____ Validated by: _____	WIM HC