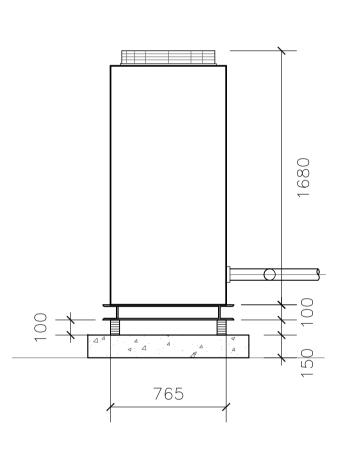


DATE INDEX

AMENDMENTS



SHEET CONTENTS:

SUBCOMPONENT-4-1:

OUTDOOR UNIT

Prepared Checked Validated by by

COMPONENT-4: BUILDING WORKS (B)

MECHANICAL VENTILATION AND AIR-CONDITIONING

ROOF DECK AIR-CONDITIONING LAYOUT

(B1) PASSENGER TERMINAL BUILDING (PTB)

SHEET NO:

B1-5200-13

1: 25M

DRAWING SCALE:



### ROOF DECK OUTDOOR AIR-CONDITIONING UNIT DETAIL

PREPARED BY: RECOMMENDNG APPROVAL: APPROVED: PROJECT TITLE: NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT ILDEFONSO T: PATDU, JR.
Assistant Secretary
for Project Implementation, DOTC JULIANITO G. BUCAYAN, JR.

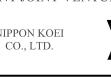
Undersecretary
for Project Implementation, DOTC JUNE 2013 WIM TADASHI AOI Team Leader

LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES



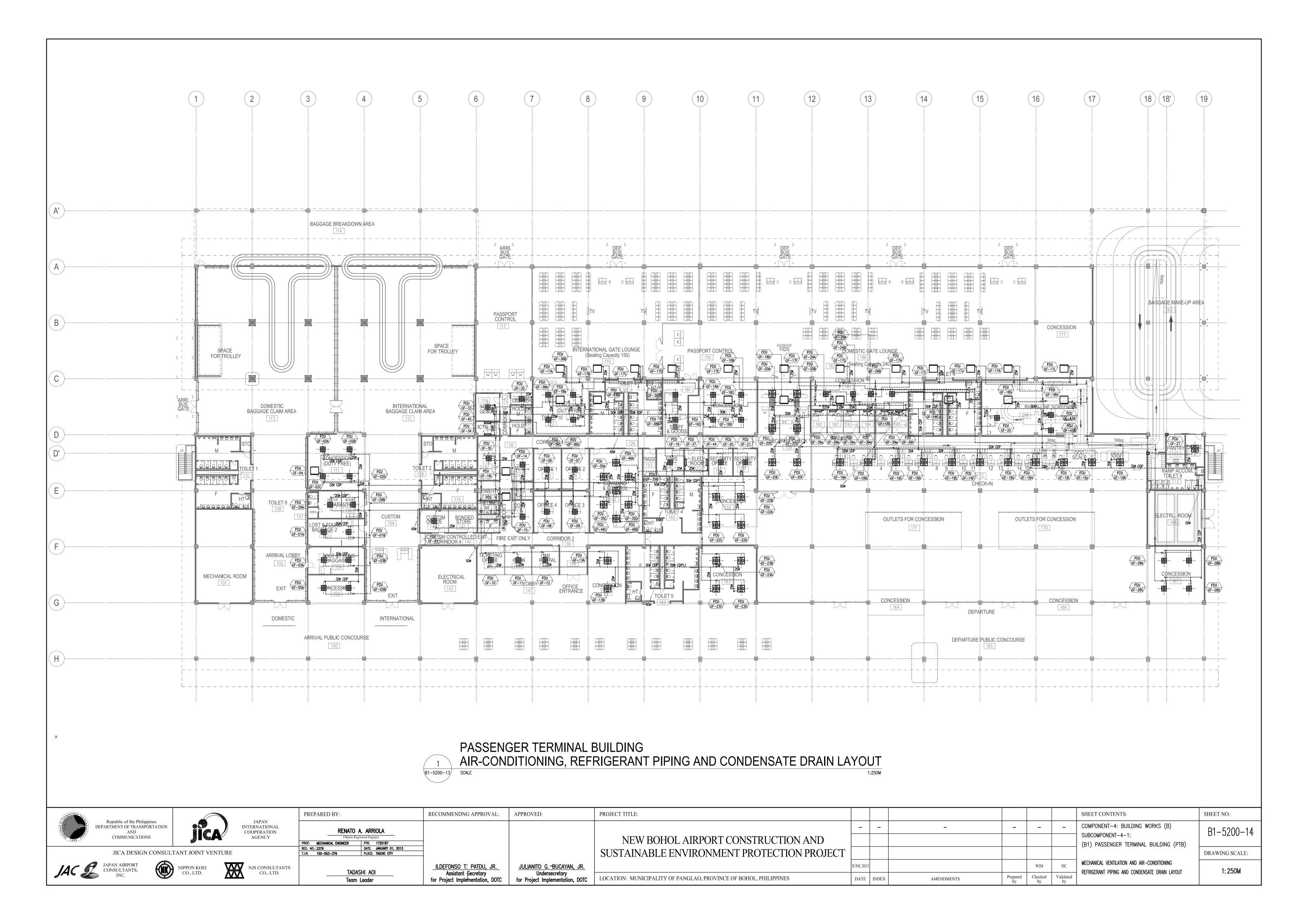


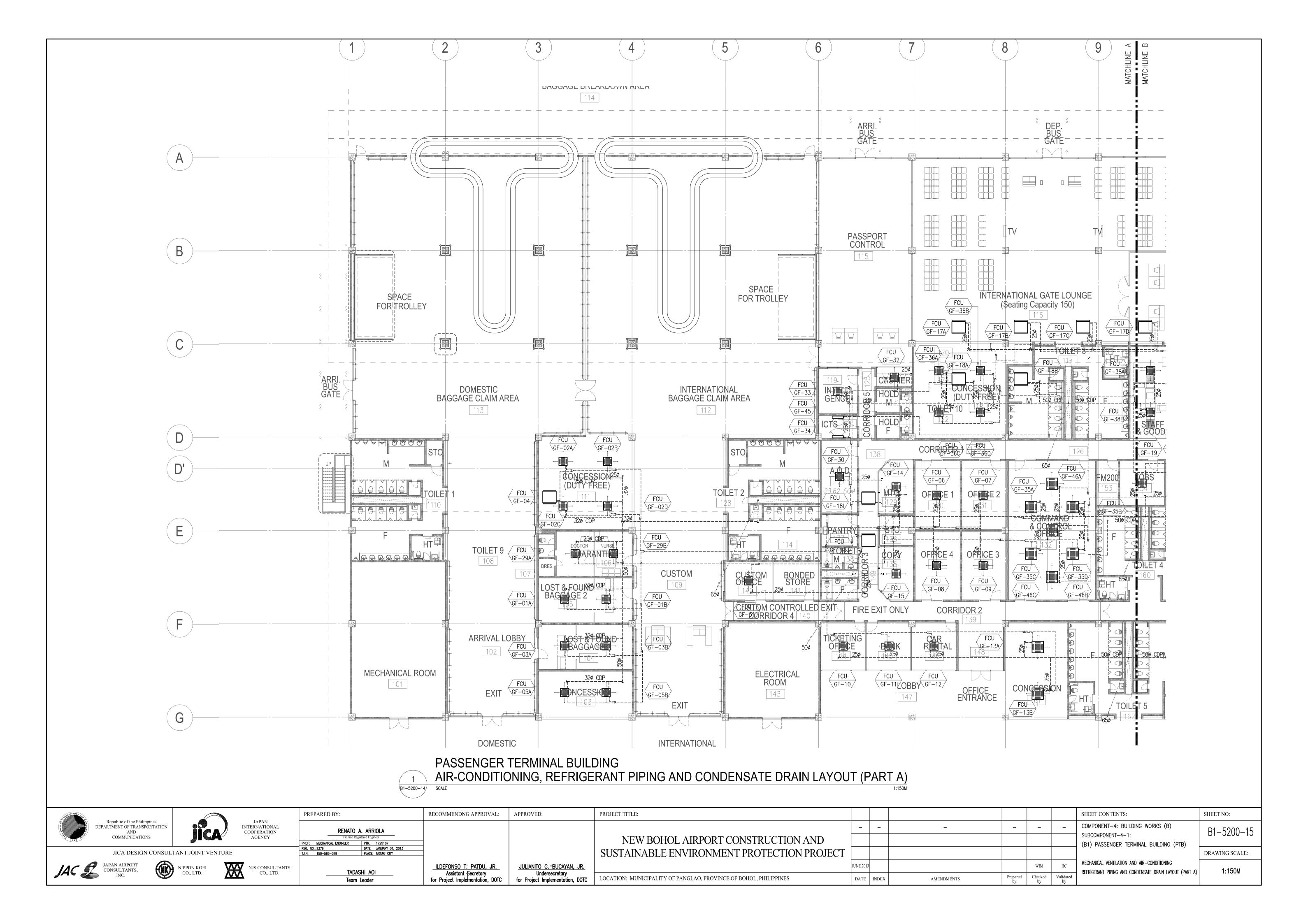


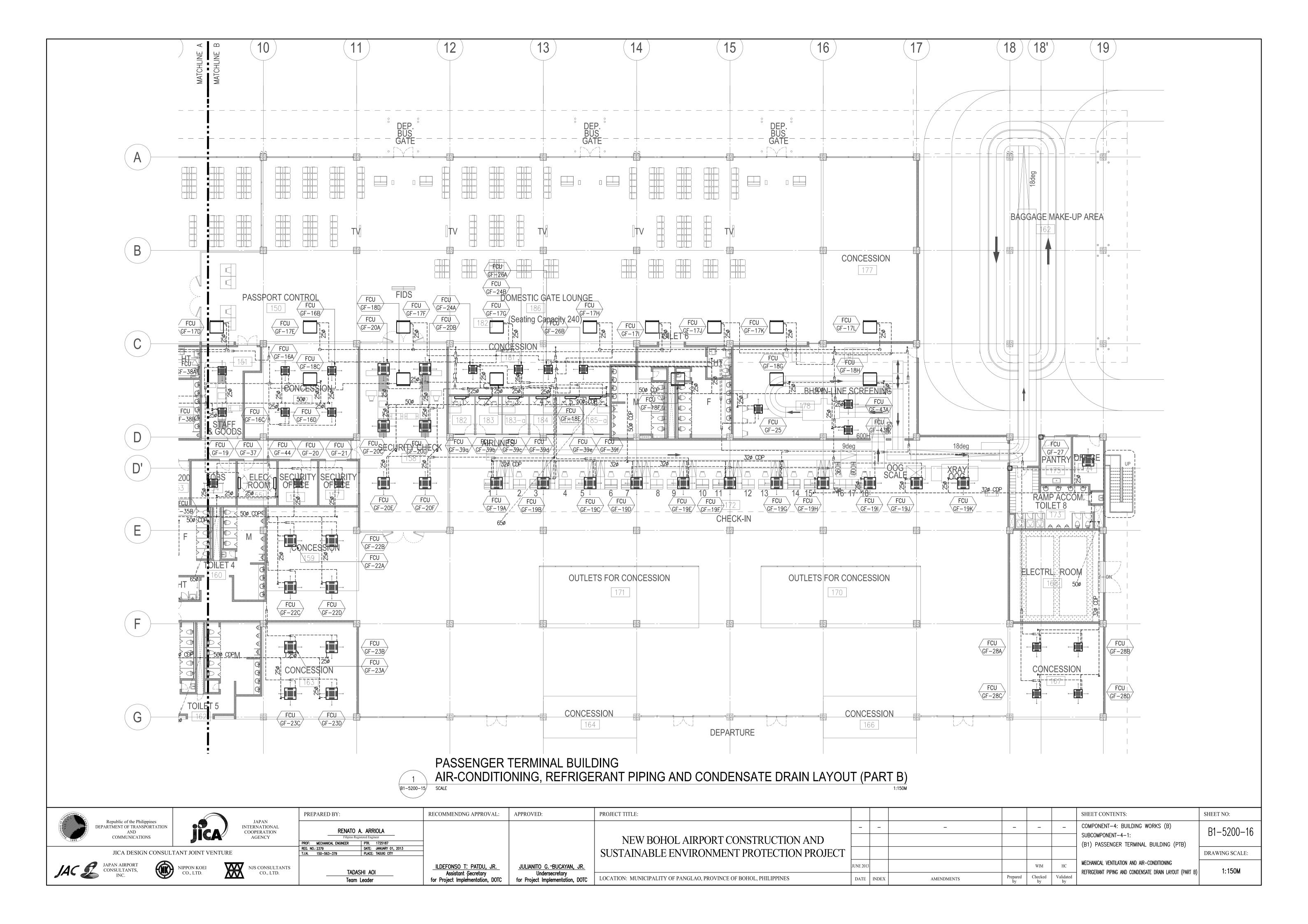




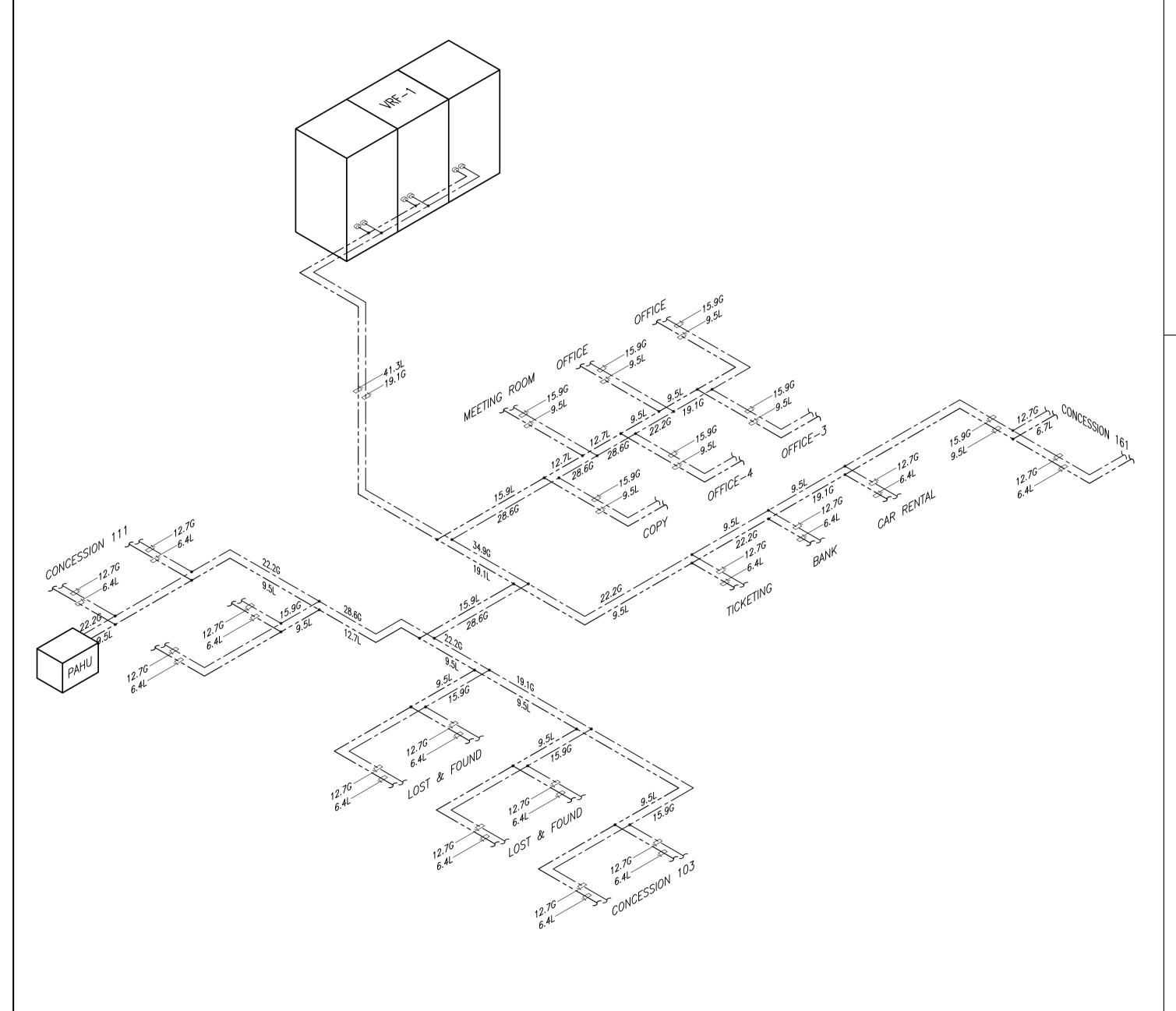
JAPAN INTERNATIONAL COOPERATION AGENCY

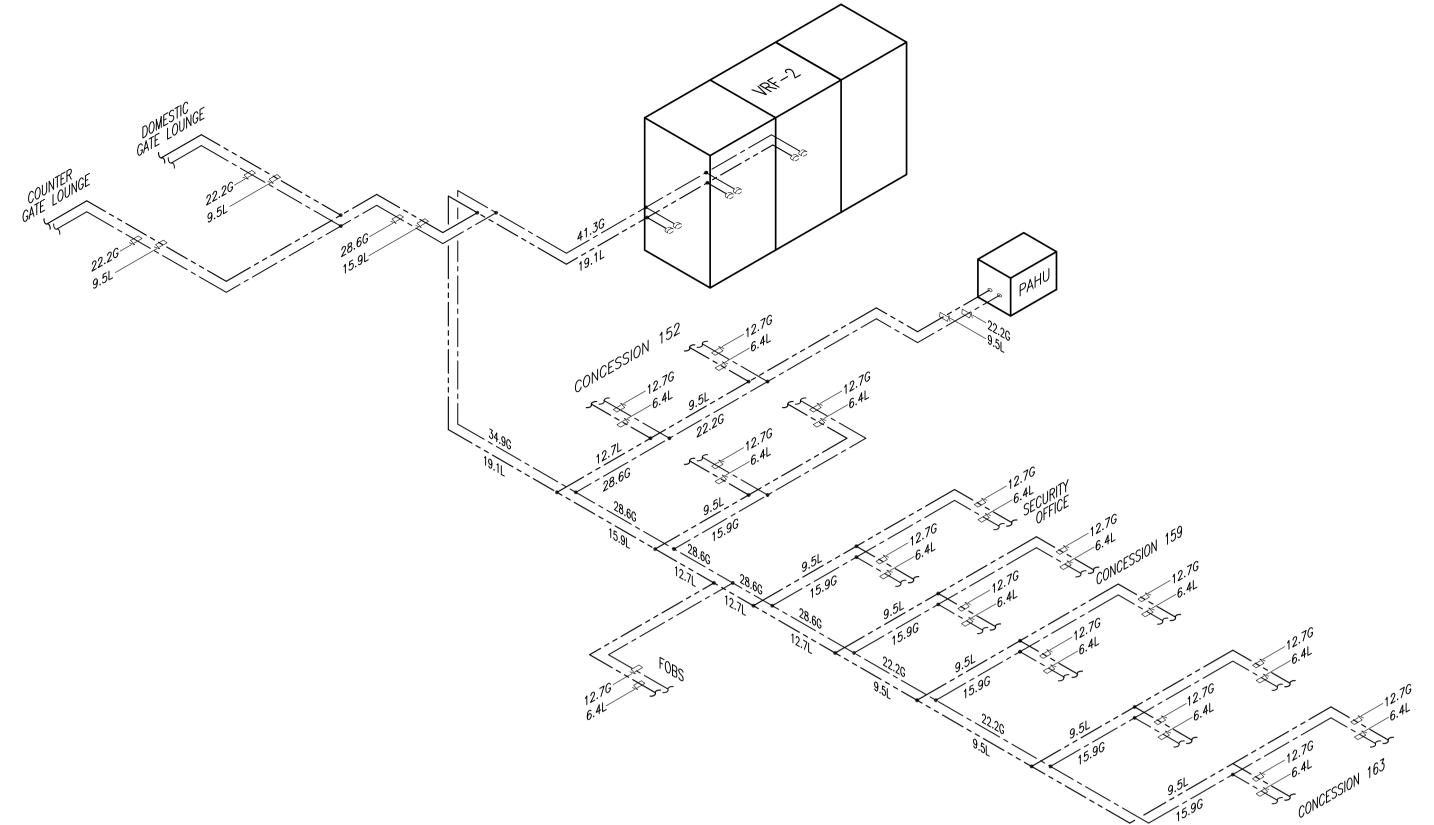


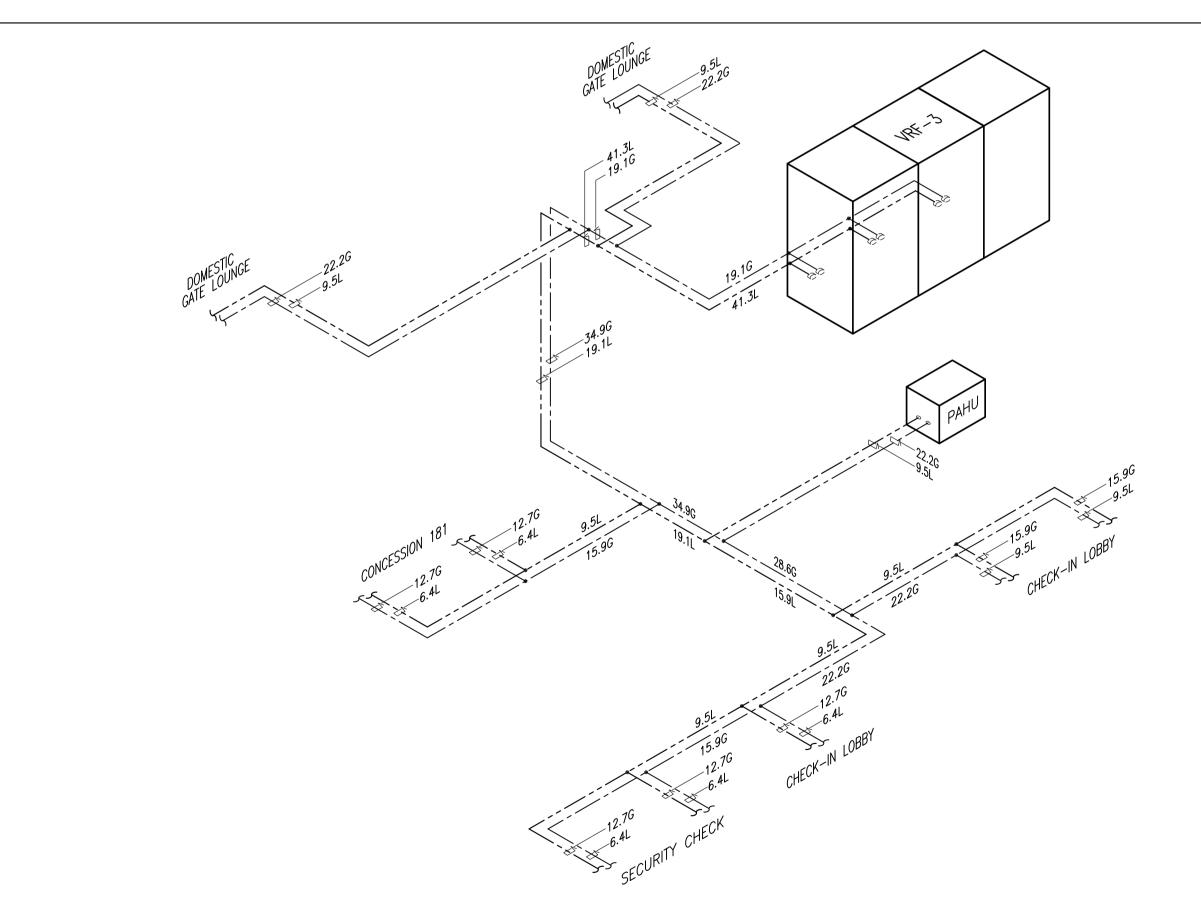




Ol	JTDOOR UN	IIT		INDEX UNIT		INDOOR UNIT				
HP	HP 15.9 9.5		INDEX	GAS	LIQUID	HP	GAS	LIQUID		
5HP			150	15.9	9.5	20	12.7	6.4		
8HP			150-200	19.1	9.5	25	12.7	6.4		
10HP	22.2			22.2	9.5	32	12.7	6.4		
12HP-16HP	28.6			290-420 28.6		40	12.7	6.4		
18HP-22HP	3HP-22HP 28.6 12.7		420-640	28.6	12.7	50	12.7	6.4		
24HP	34.9	15.9	640-920	34.9	15.9	63	15.9	9.5		
26HP-34HP	34.9	19.1	920-	34.9	19.1	80	15.9	9.5		
36HP-54HP	41.3	19.1	_	41.3	19.1	100	15.9	9.5		
						125				







## PASSENGER TERMINAL BUILDING ISOMETRIC LAYOUT LIQUID AND GAS (PART 1)

PROJECT TITLE:

Republic of the Philippines EPARTMENT OF TRANSPORTATION AND COMMUNICATIONS



JAPAN INTERNATIONAL COOPERATION AGENCY

PREPARED BY: NJS CONSULTANTS CO., LTD.

ILDEFONSO T: PATDU, JR.
Assistant Secretary
for Project Implementation, DOTC TADASHI AOI Team Leader

RECOMMENDNG APPROVAL:

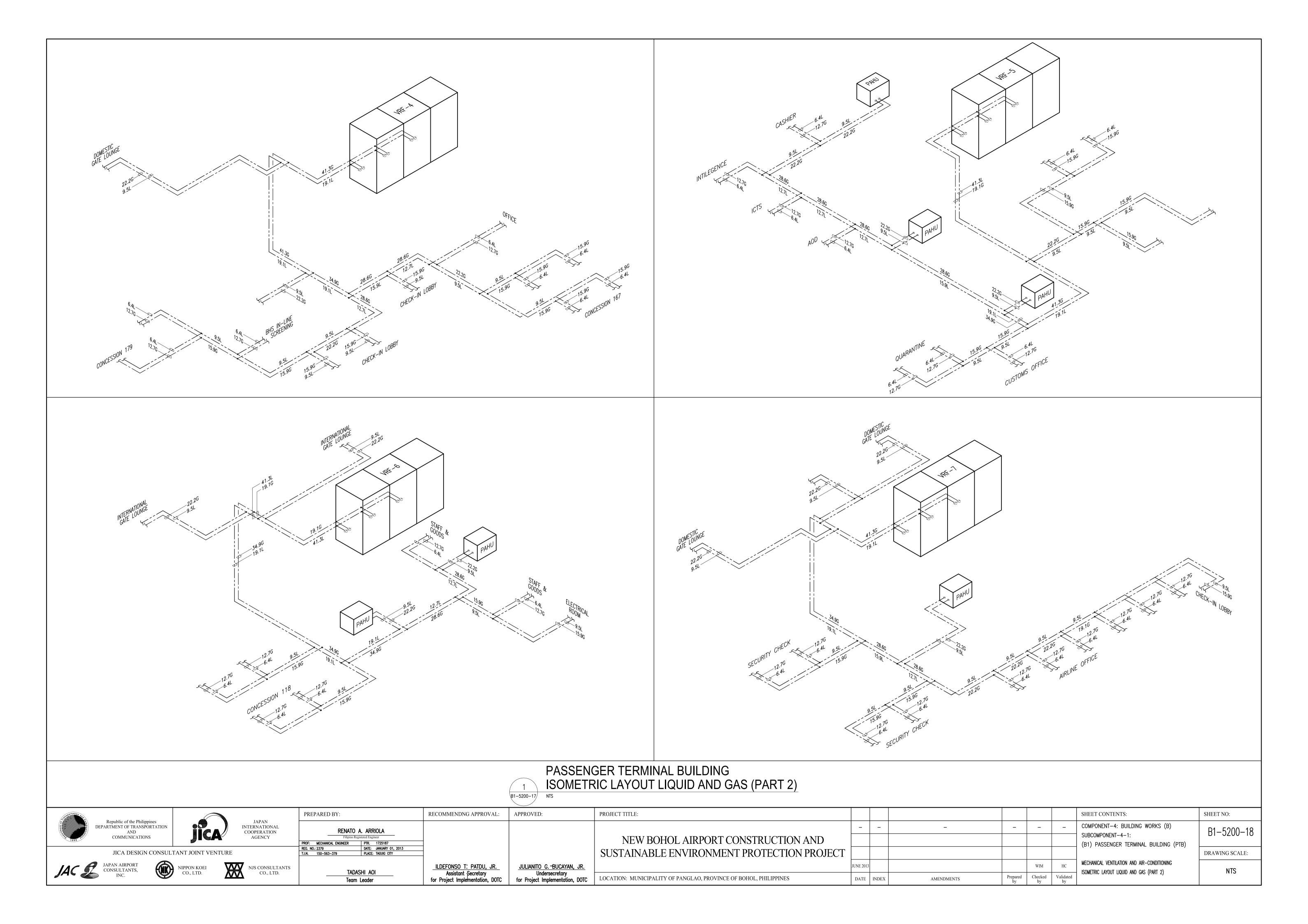
JULIANITO G.-BUCAYAN, JR.
Undersecretary
for Project Implementation, DOTC

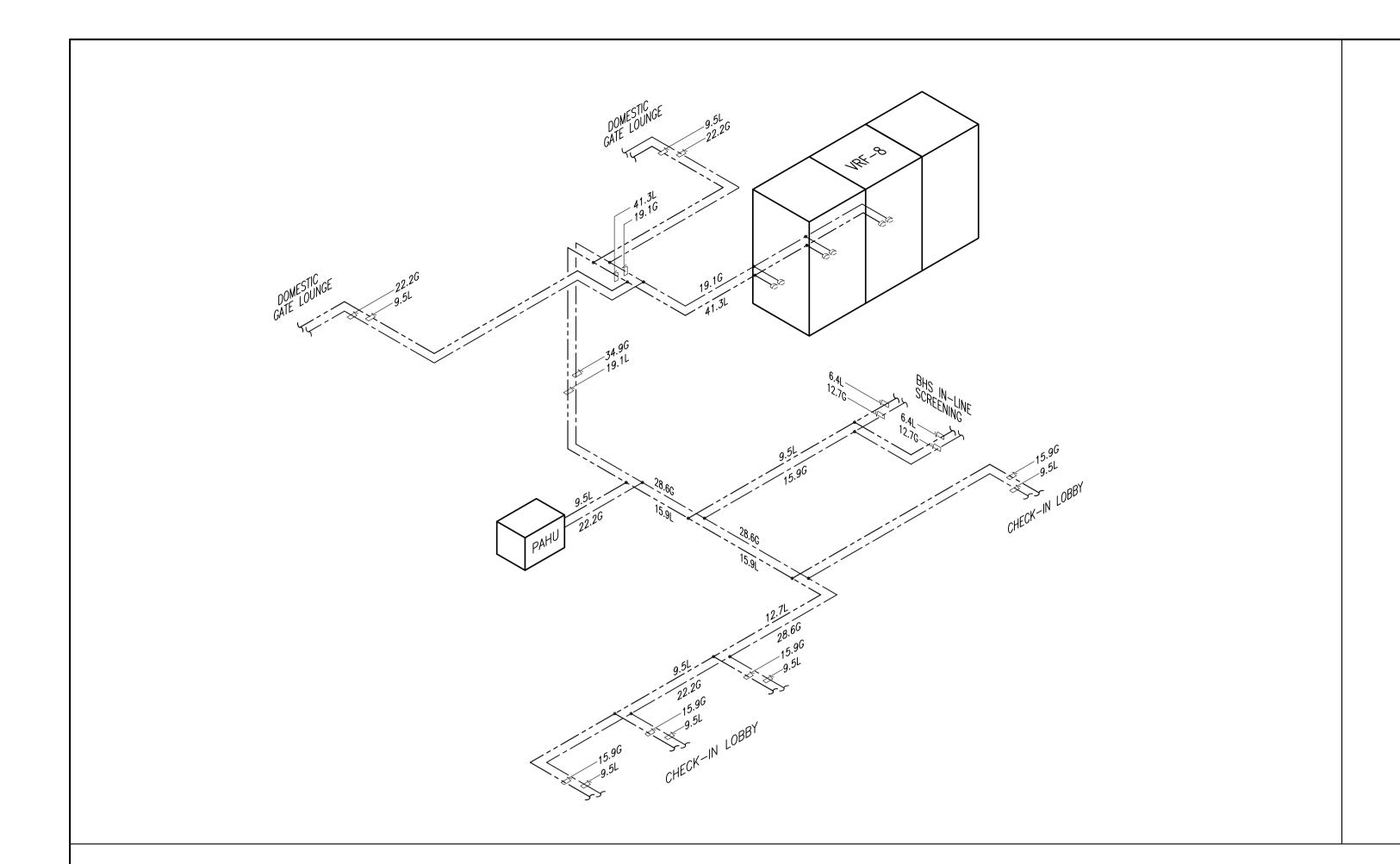
NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJECT LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES

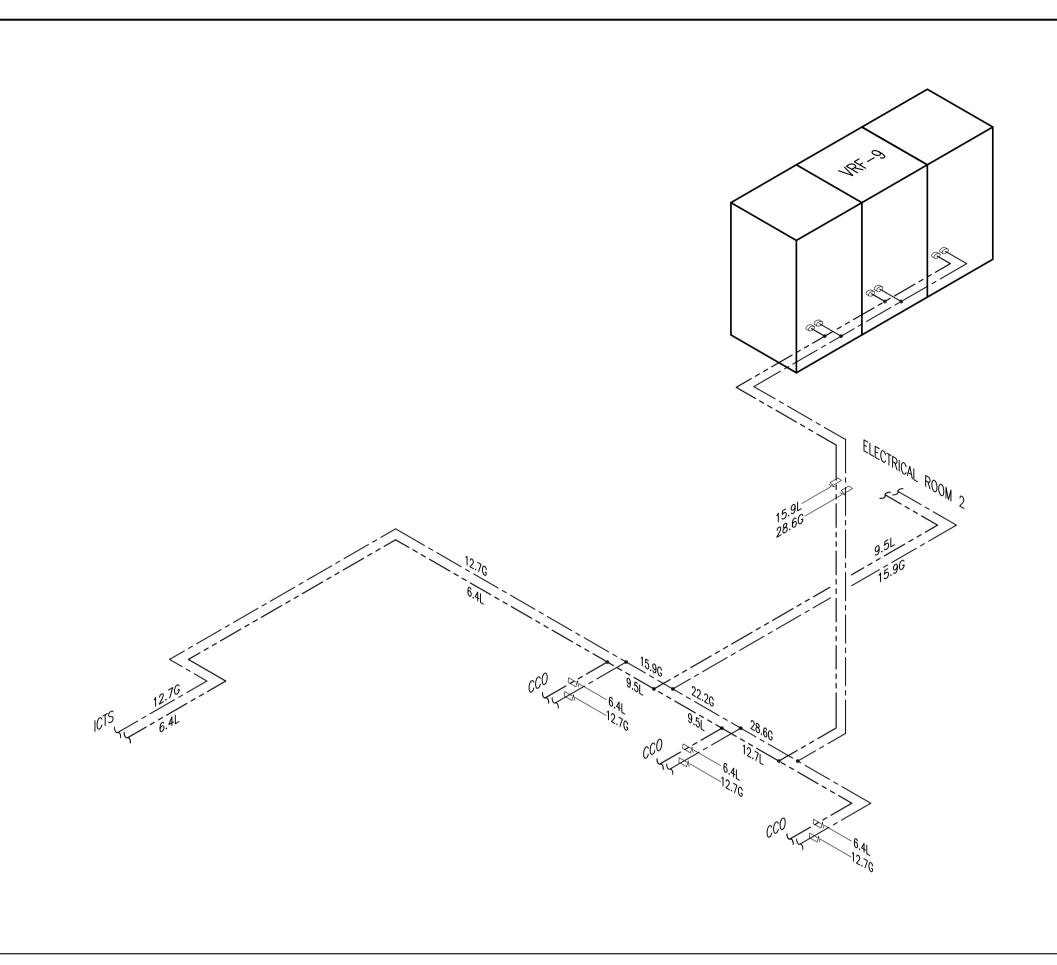
DATE INDEX AMENDMENTS

SHEET CONTENTS: SHEET NO: COMPONENT-4: BUILDING WORKS (B) B1-5200-17 SUBCOMPONENT-4-1: (B1) PASSENGER TERMINAL BUILDING (PTB) MECHANICAL VENTILATION AND AIR-CONDITIONING ISOMETRIC LAYOUT LIQUID AND GAS (PART 1)

DRAWING SCALE: NTS







## PASSENGER TERMINAL BUILDING ISOMETRIC LAYOUT LIQUID AND GAS (PART 3) B1-5200-18 NTS

Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS

JAC JAPAN AIRPORT CONSULTANTS, INC.



JAPAN INTERNATIONAL COOPERATION AGENCY

NJS CONSULTANTS CO., LTD.

PREPARED BY:

RENATO	A. ARRIOLA									
Filipino Registered Engineer										
MECHANICAL ENGINEER	PTR. 1725187									
).: 2379	DATE: JANUARY 01, 2013									
150-563-379	PLACE: TAGUIG CITY									

	. ARRIOLA tered Engineer	
EER	PTR. 1725187	
	DATE: JANUARY 01, 2013	
	PLACE: TAGUIG CITY	
TADAS	HI AOI	ILDEFONSO T: PATDU, JR. Assistant Secretary
Team I	Leader	for Project Implementation, DOTC

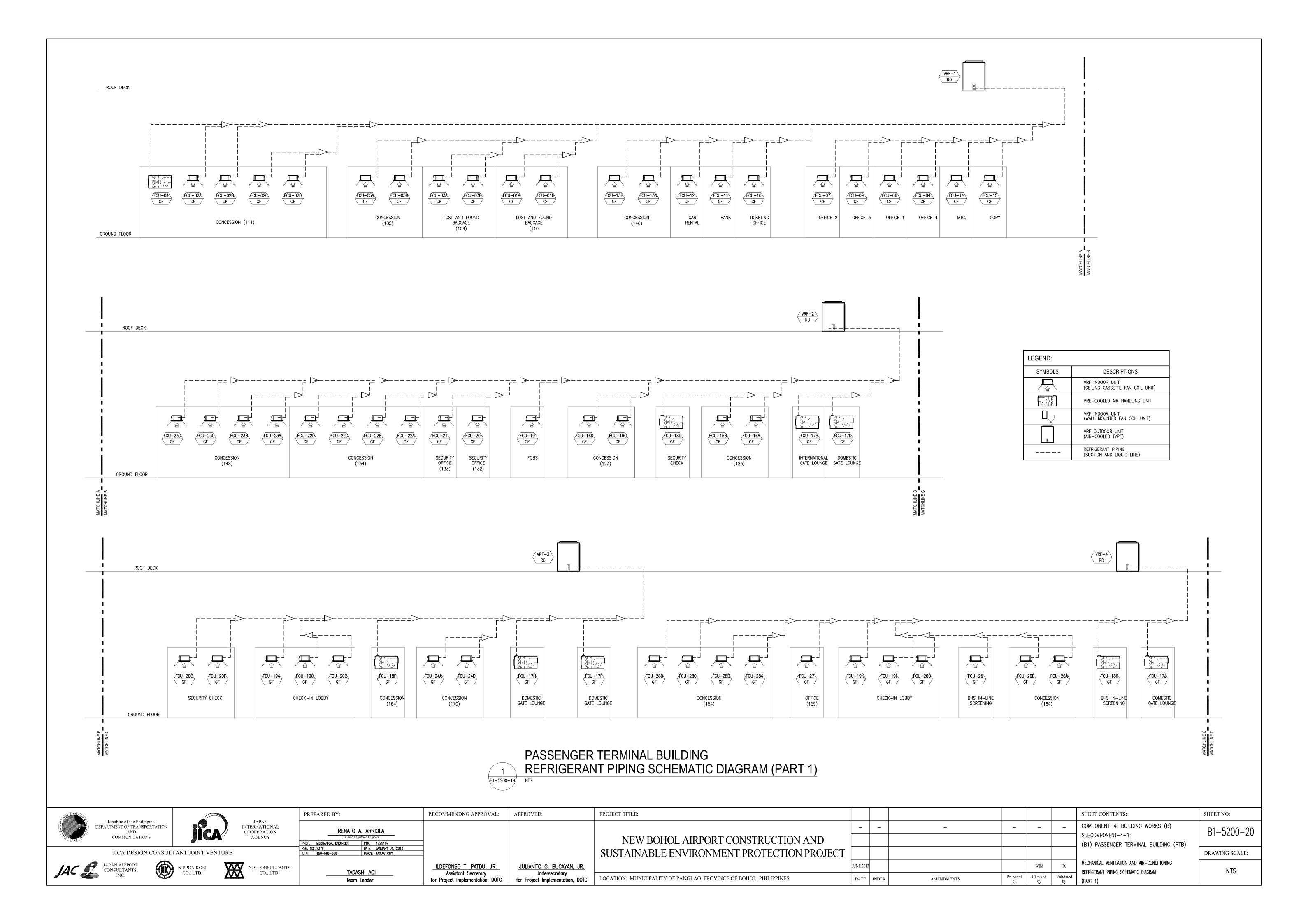
RECOMMENDNG APPROVAL:

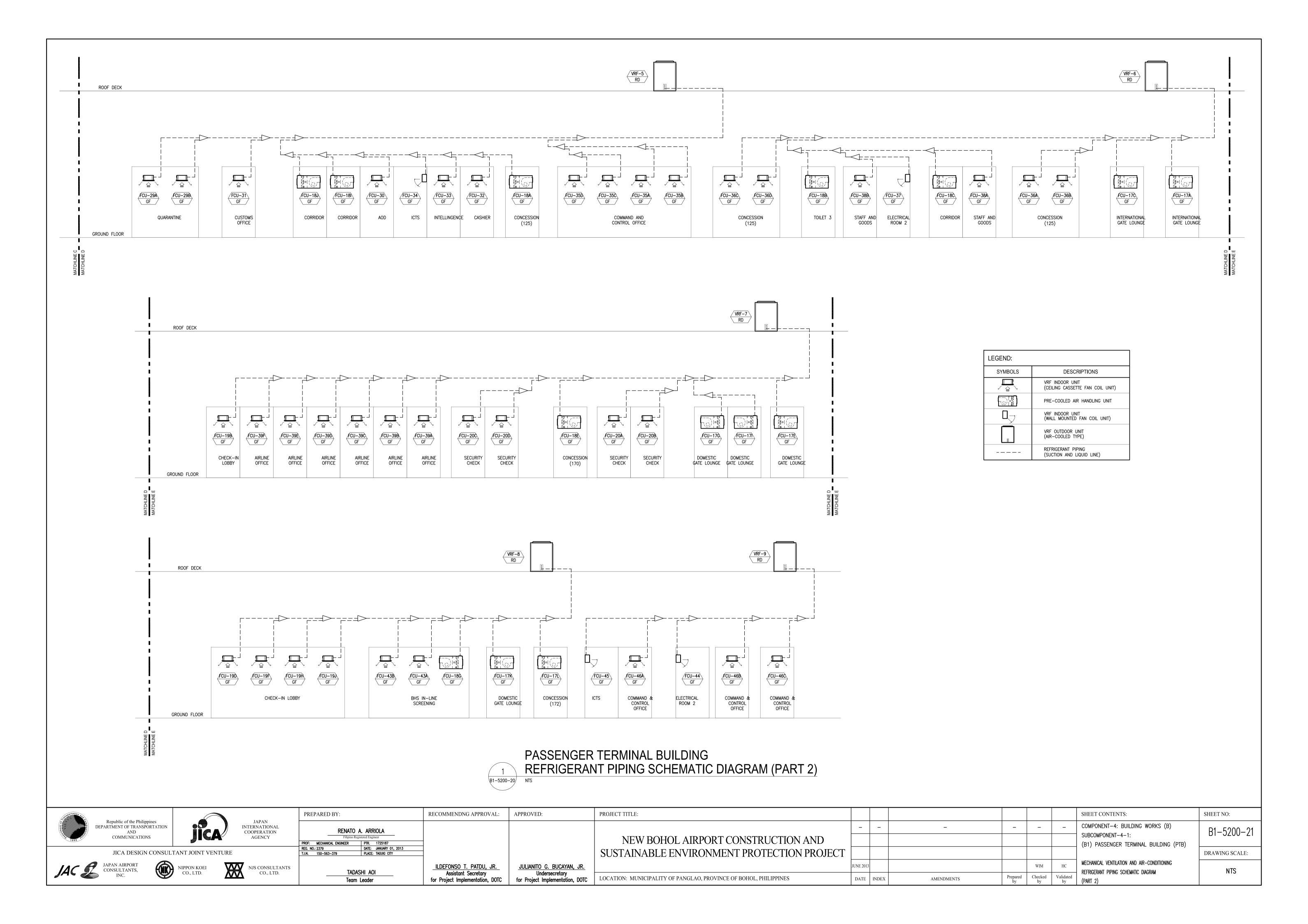
APPROVED:	PROJECT TITLE:
<u>JULIANITO GBUCAYAN, JR.</u> Undersecretary	NEW SUSTAIN
OHUGI SECHELUI Y	

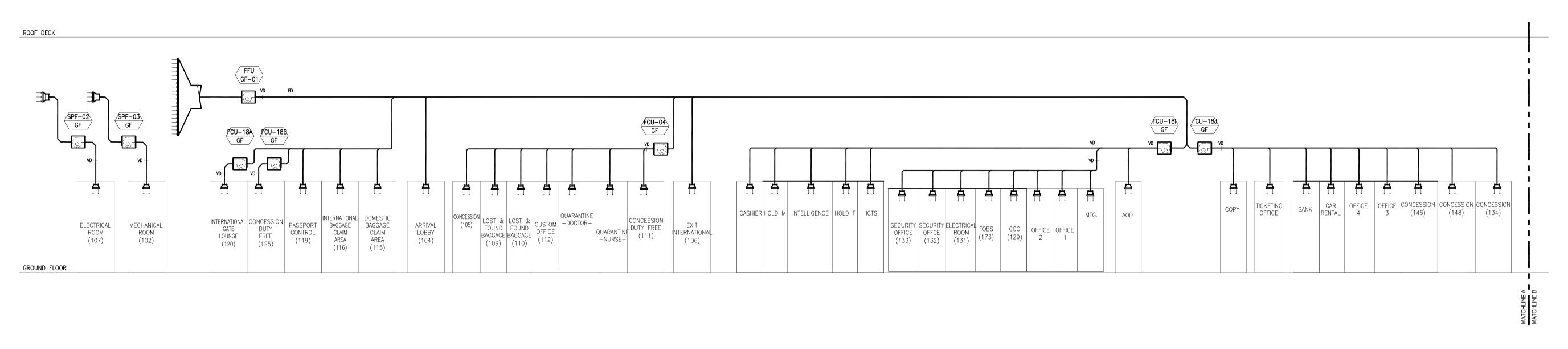
	NEW BOHOL AIRPORT CONSTRUCTION AND SUSTAINABLE ENVIRONMENT PROTECTION PROJEC
JULIANITO G. BUCAYAN, JR.	
Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES

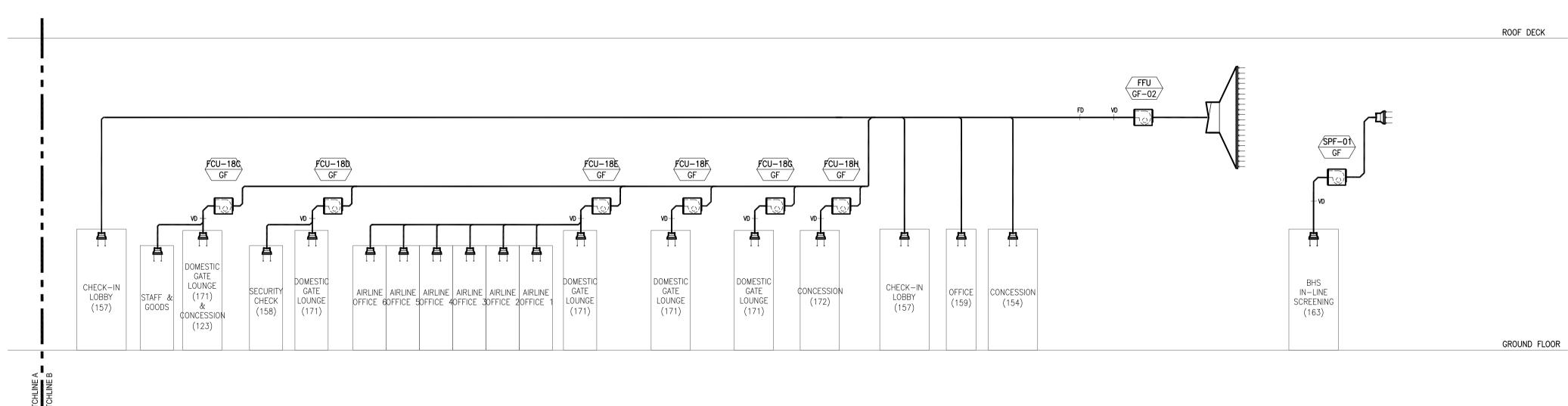
						SHEET CONTENTS:
-	-	-	_	_	_	COMPONENT-4: BUIL
						SUBCOMPONENT-4-1 (B1) PASSENGER TE
						(BI) PASSENGER IE
JUNE 2013				WIM	НС	MECHANICAL VENTILATION
DATE	INDEX	AMENDMENTS	Prepared by	Checked	Validated by	ISOMETRIC LAYOUT LIQUID .

NTENTS:	SHEET NO:
NT-4: BUILDING WORKS (B) NENT-4-1: SENGER TERMINAL BUILDING (PTB)	B1-5200-19
, ,	DRAWING SCALE:
VENTILATION AND AIR—CONDITIONING YOUT LIQUID AND GAS (PART 3)	NTS

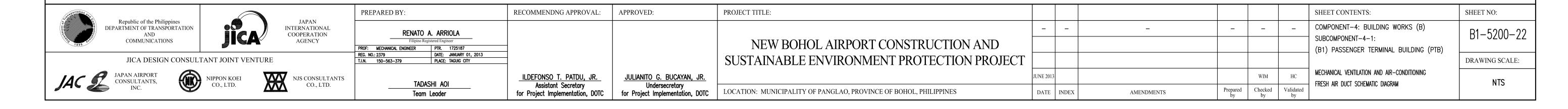


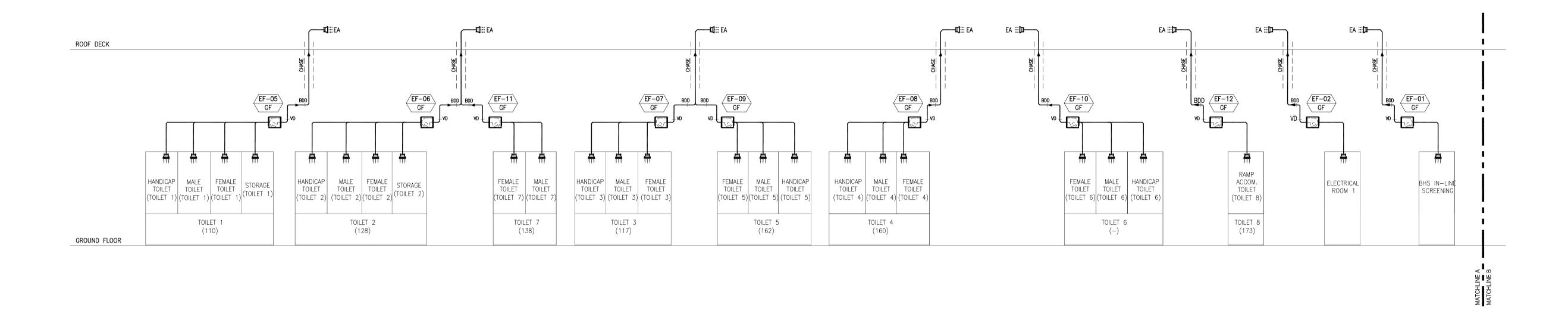


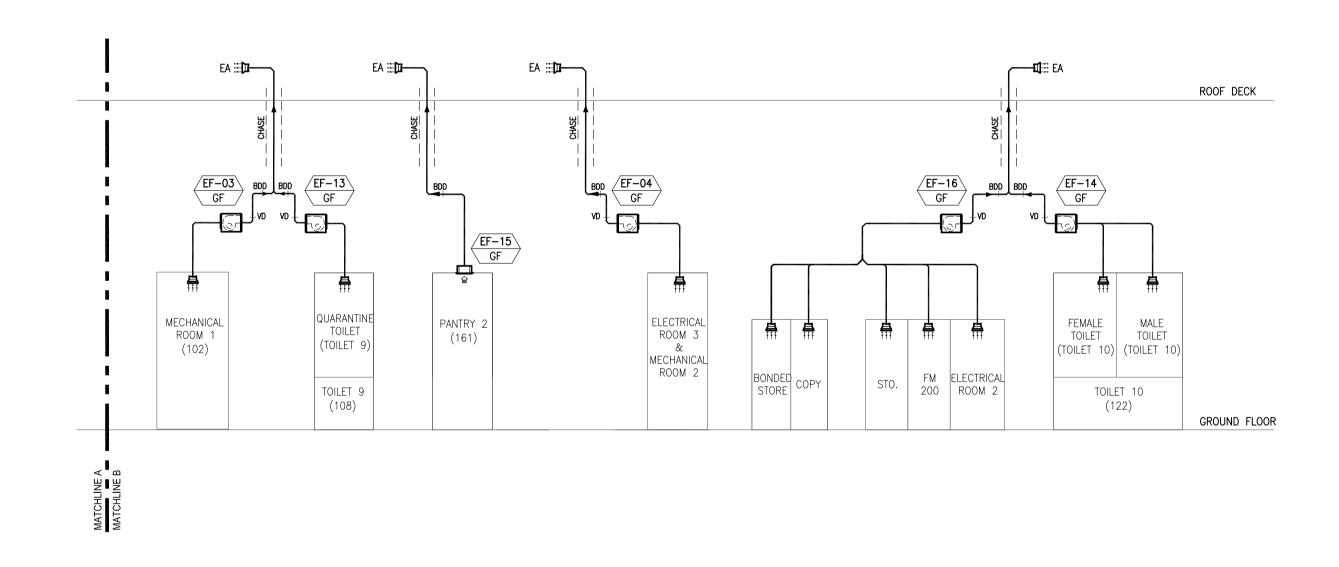




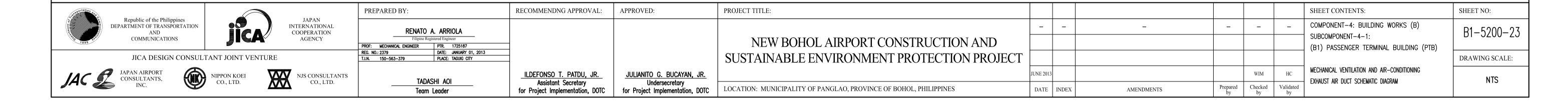
# PASSENGER TERMINAL BUILDING FRESH AIR DUCT SCHEMATIC DIAGRAM NTS

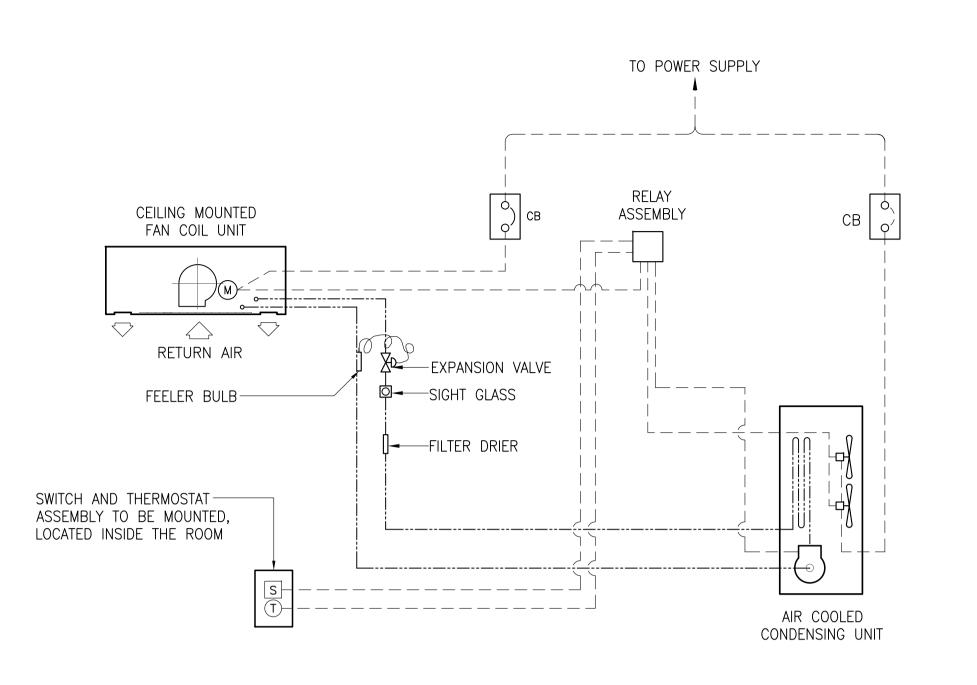


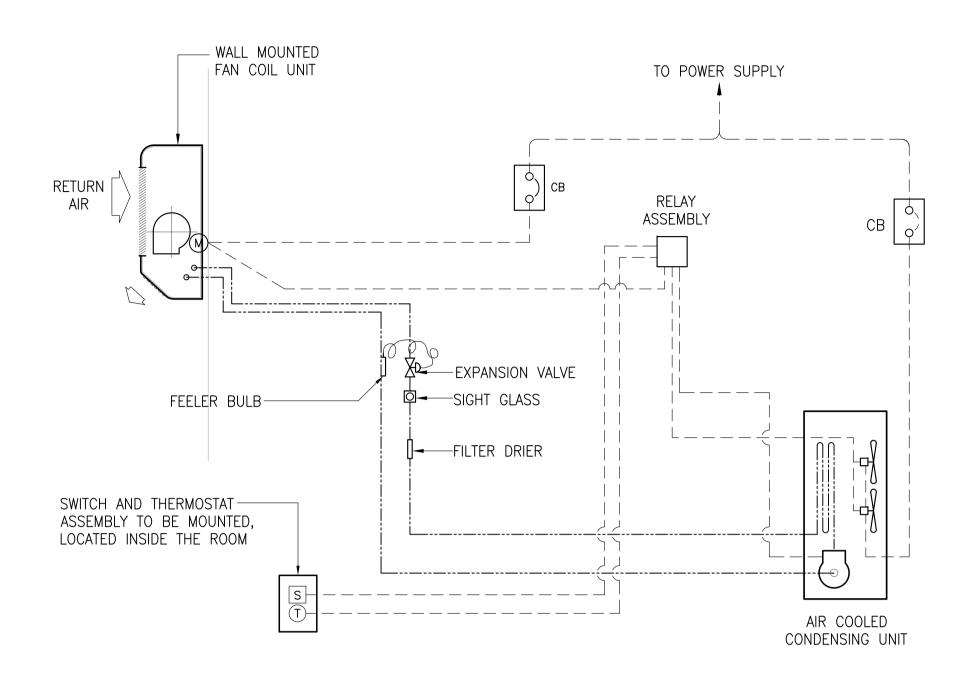




## PASSENGER TERMINAL BUILDING EXHAUST AIR DUCT SCHEMATIC DIAGRAM NTS







#### SEQUENCE OF OPERATION:

- 1. WHEN SWITCH S IS IN "OFF" POSITION, RELAY ASSEMBLY AND ALL OTHER CONTROLS ARE IN OFF POSITION.
- 2. WHEN SWITCH IS PUT IN ON POSITION, CONTROL RELAY ASSEMBLY WILL BE DE-ENERGIZED STARTING THE OPERATION OF THE FOLLOWING MOTOR IN SEQUENCE.
  - A. FAN COIL UNIT EVAPORATOR FAN
  - B. AIR COOLED CONDENSING UNIT AFTER 3 TO 5 MINUTES DELAY
- 3. THERMOSTAT (T) SHALL SENSE THE AVERAGE RETURN AIR TEMPERATURE AND SHALL OPERATE THE COMPRESSOR. THERMOSTAT SHALL BE SET AT 24°C.

#### NOTE:

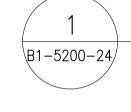
CIRCUIT BREAKER SIZE SHALL BE IN ACCORDANCE WITH THE RECOMMENDATION OF THE ACCU MANUFACTURER.

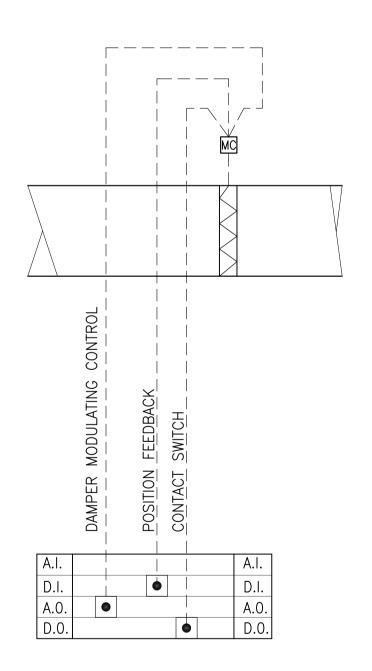
CEILING CASSETTE AIR-CONDITIONING UNIT

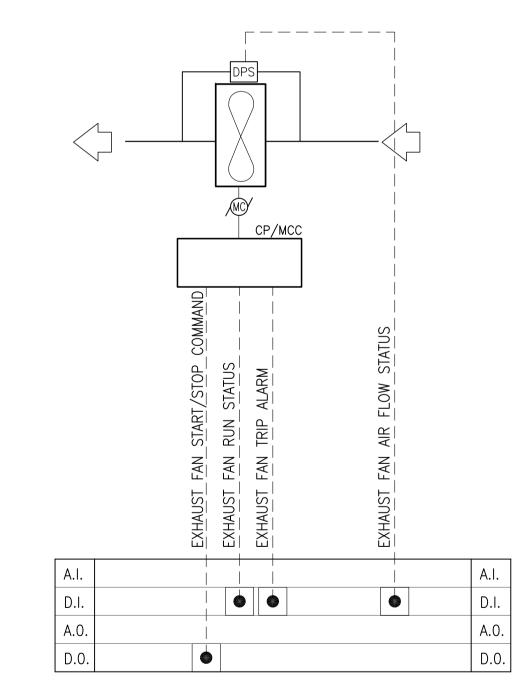
WALL MOUNTED AIR-CONDITIONING UNIT

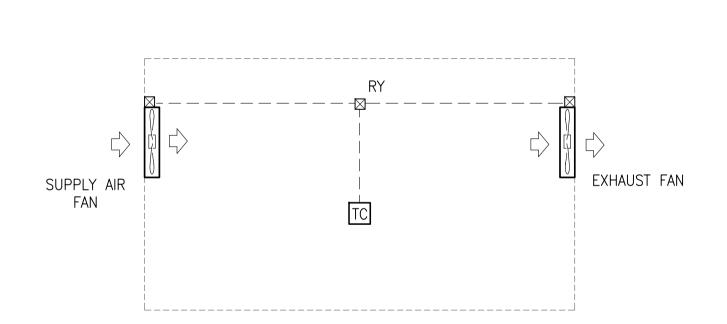


## SPLIT TYPE FCU CONTROL DIAGRAM









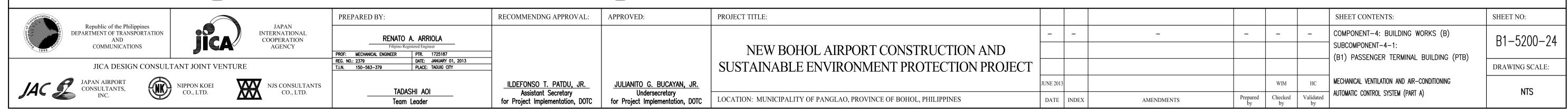
#### LEGENDS

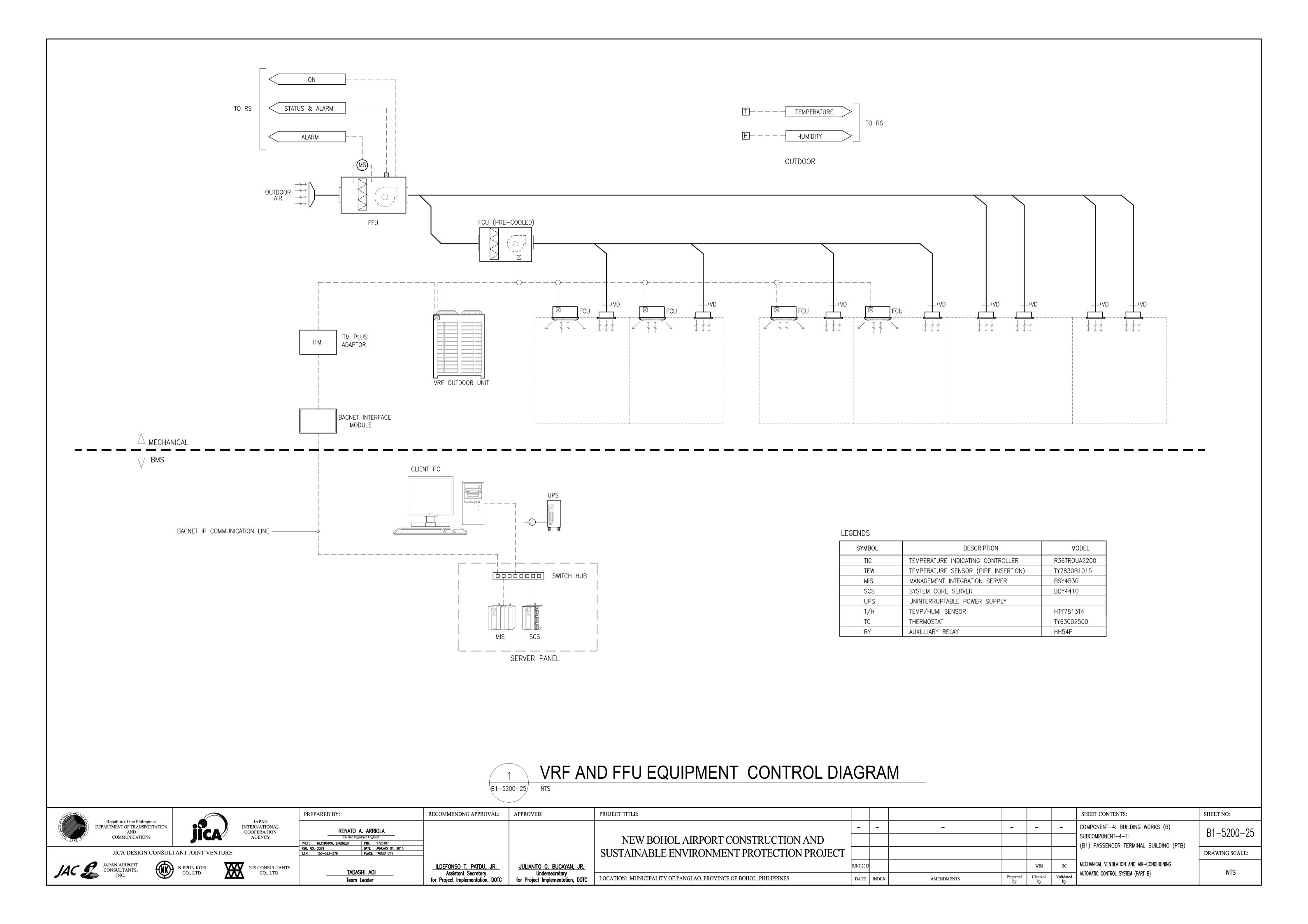
SYMBOL	DESCRIPTION	MODEL
TC	THERMOSTAT	TY63002500
RY	AUXILLIARY RELAY	HH54P

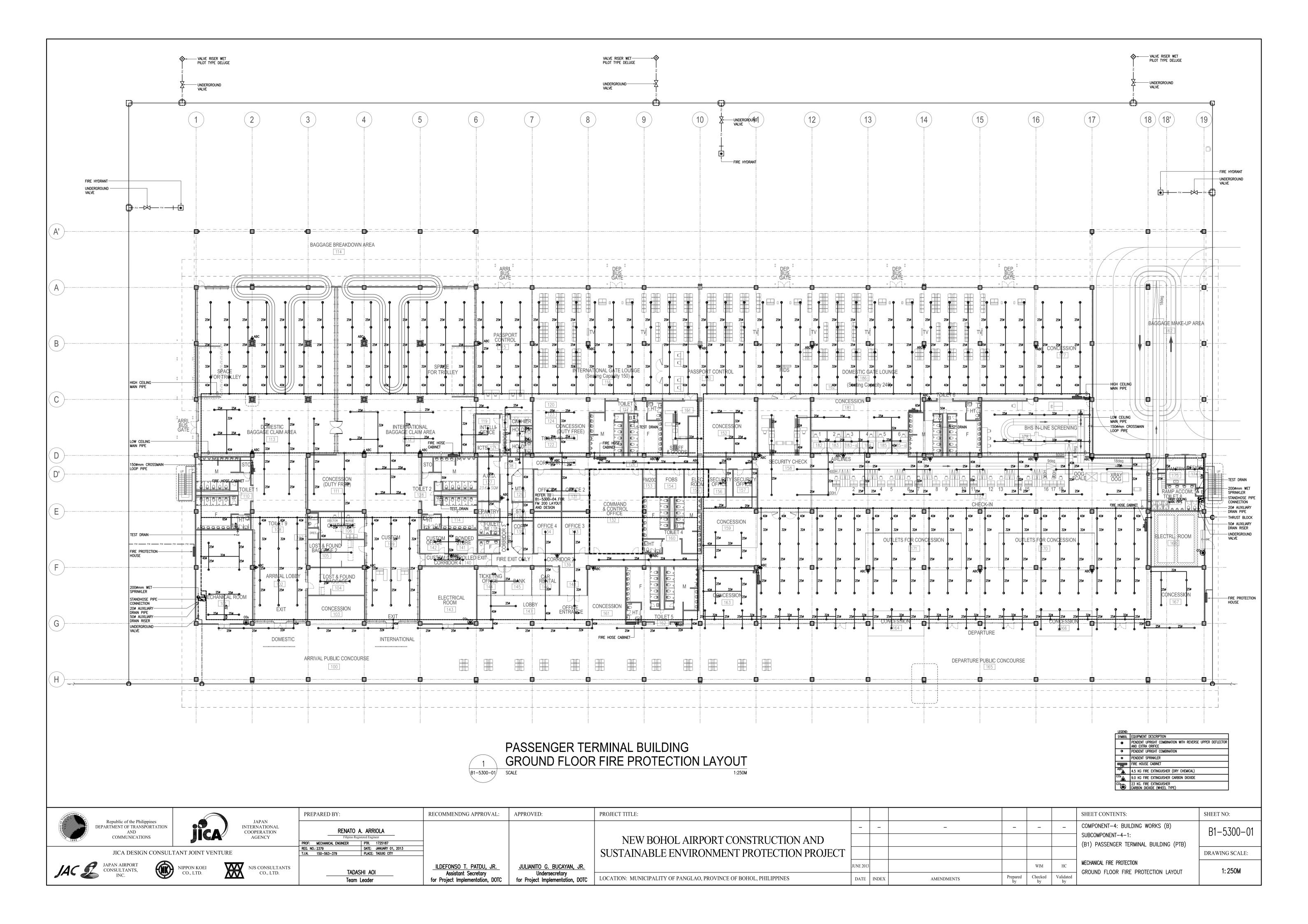


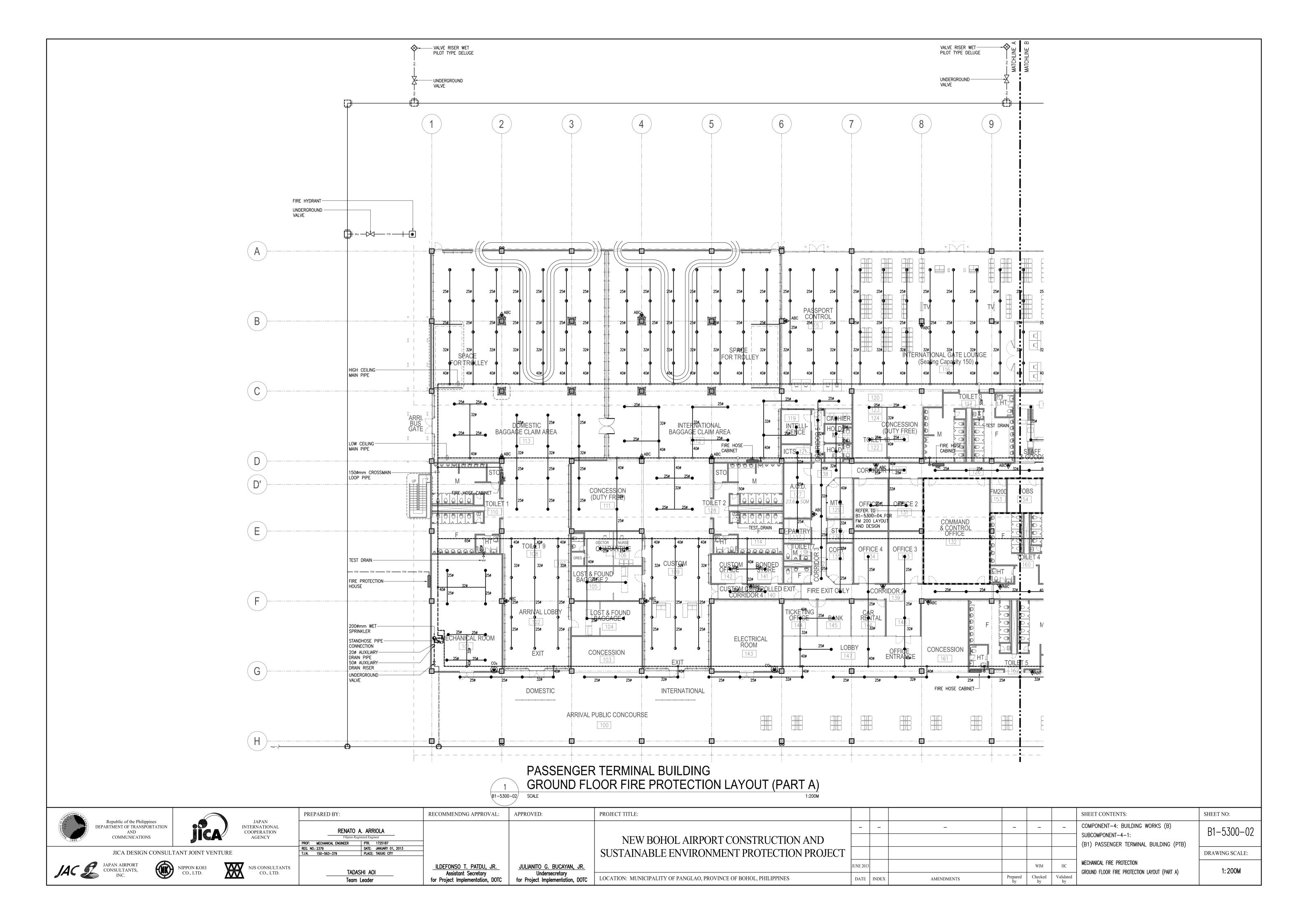


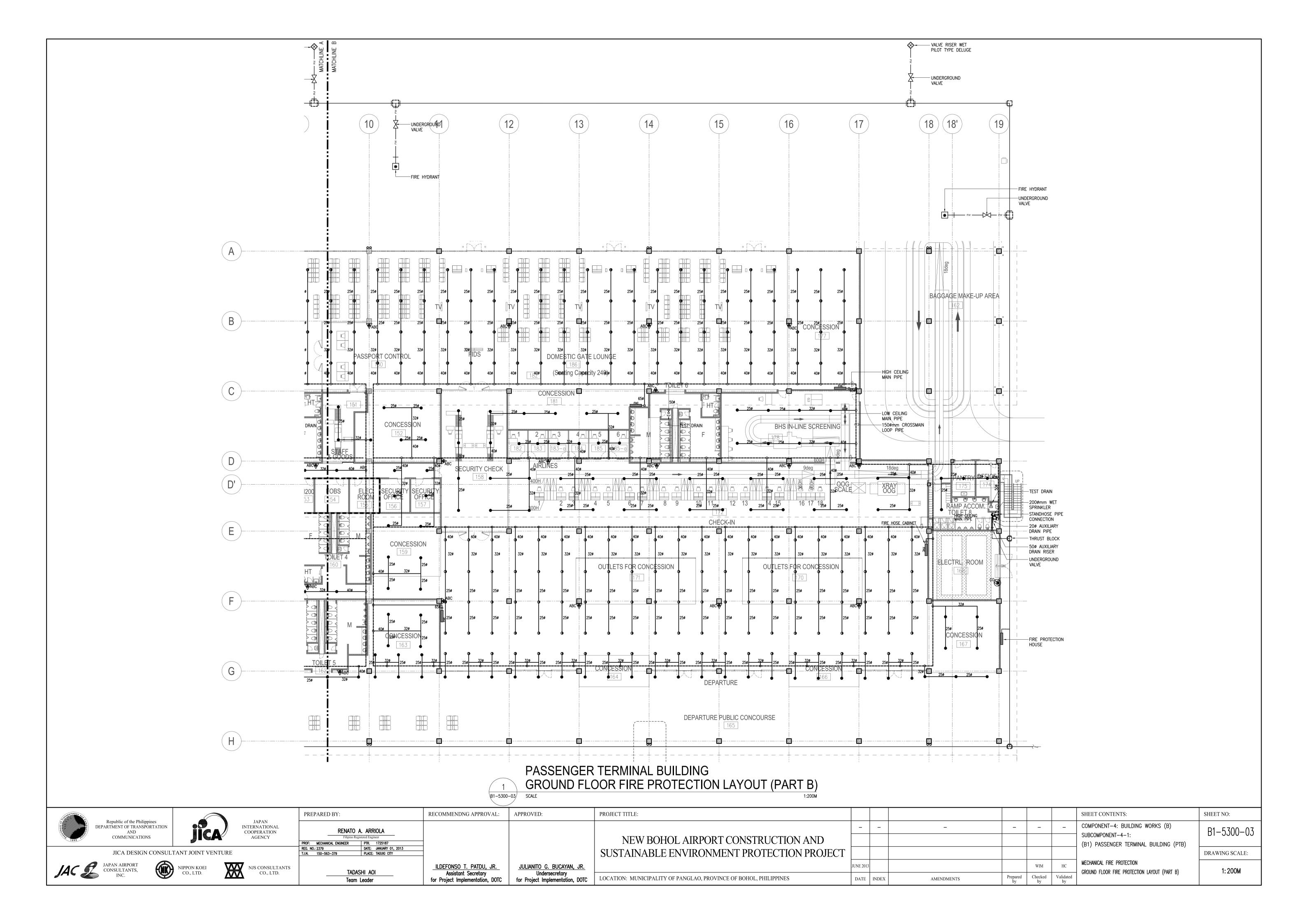
## SUPPLY AIR FAN AND EXHAUST FAN CONTROL DIAGRAM B1-5200-24

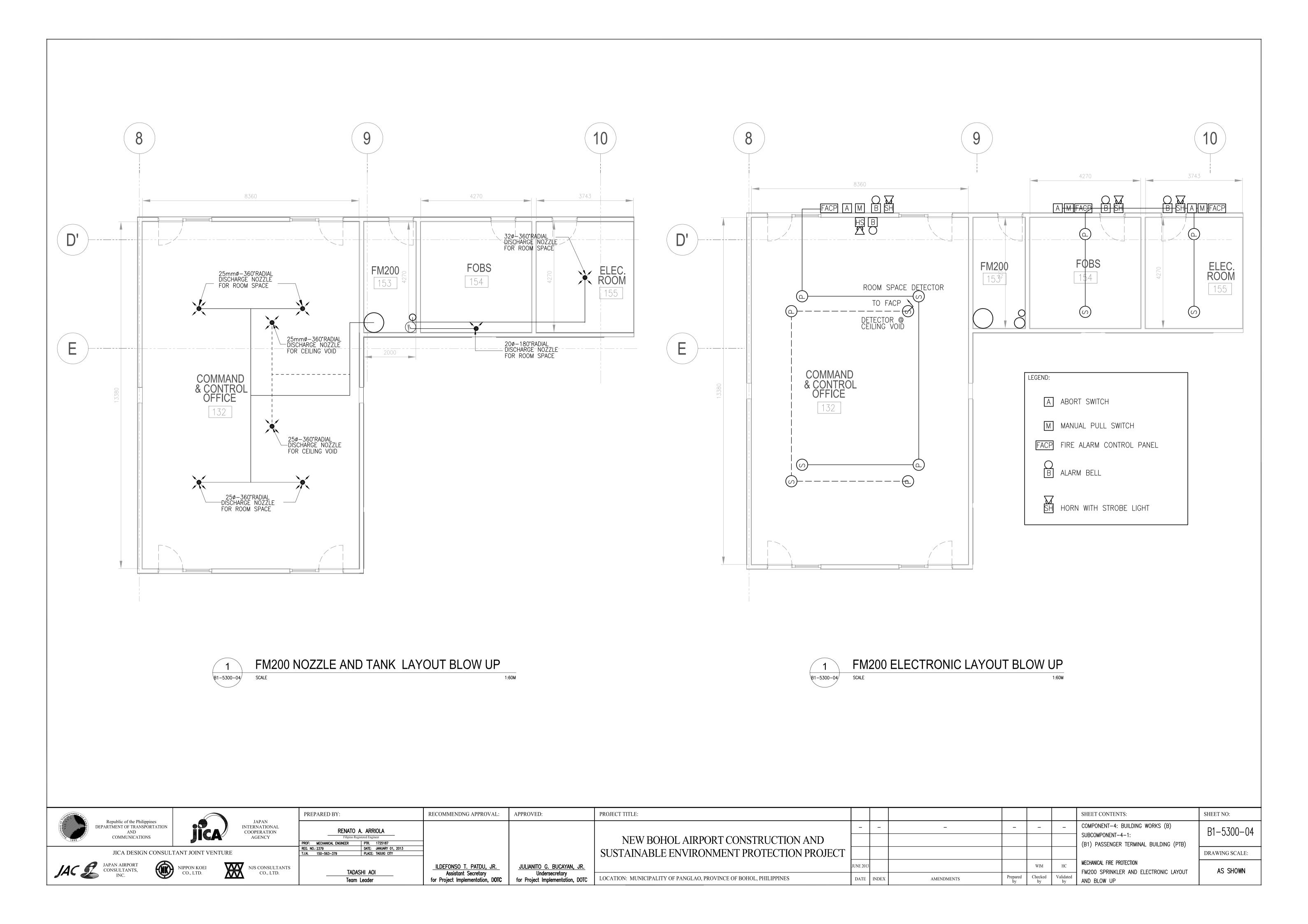


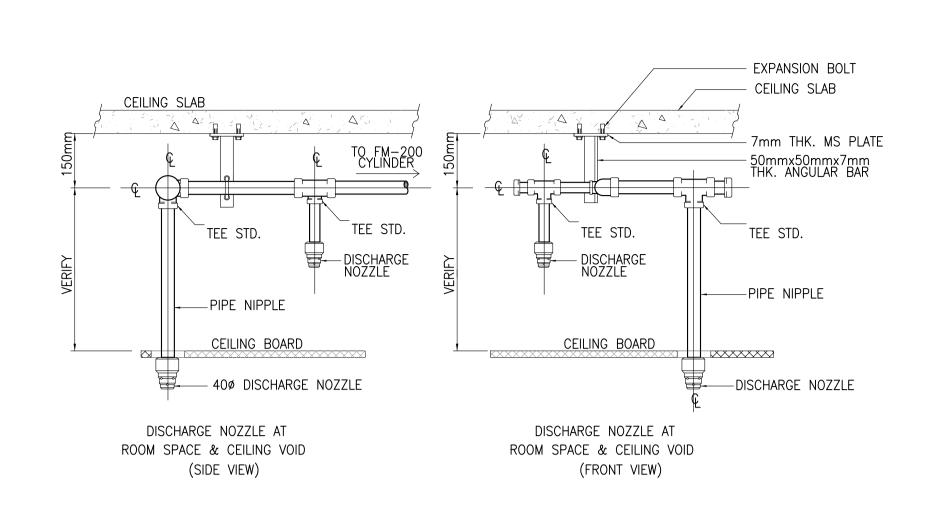




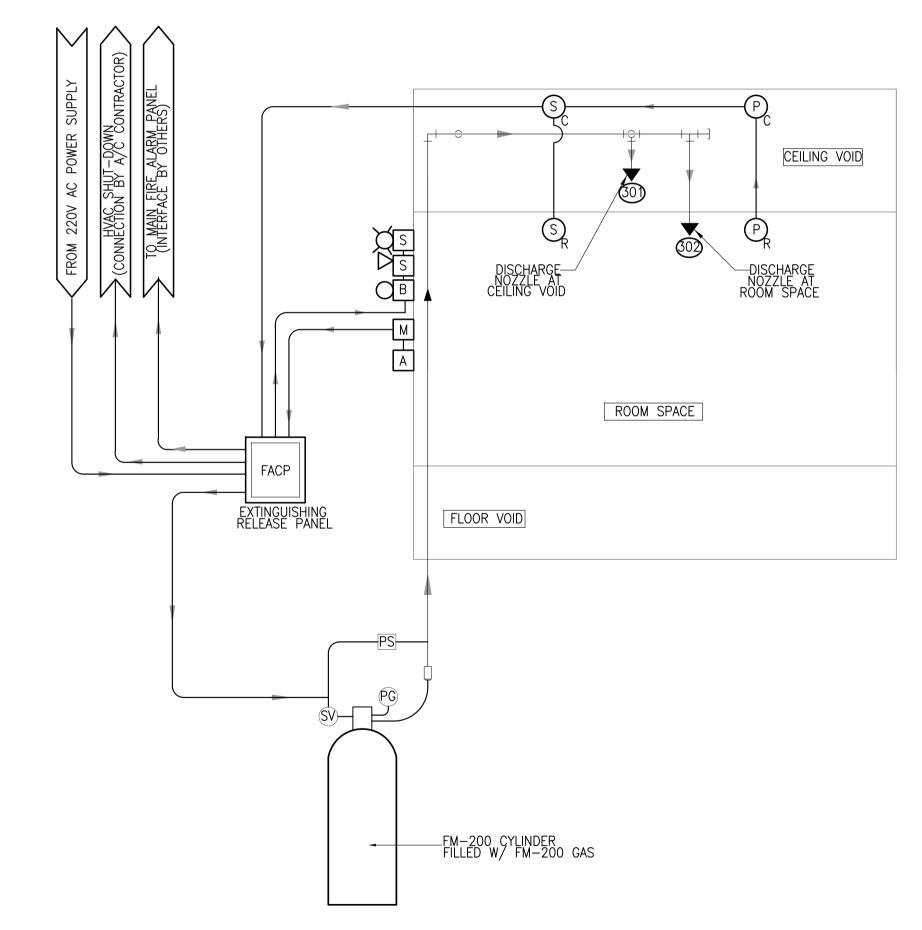




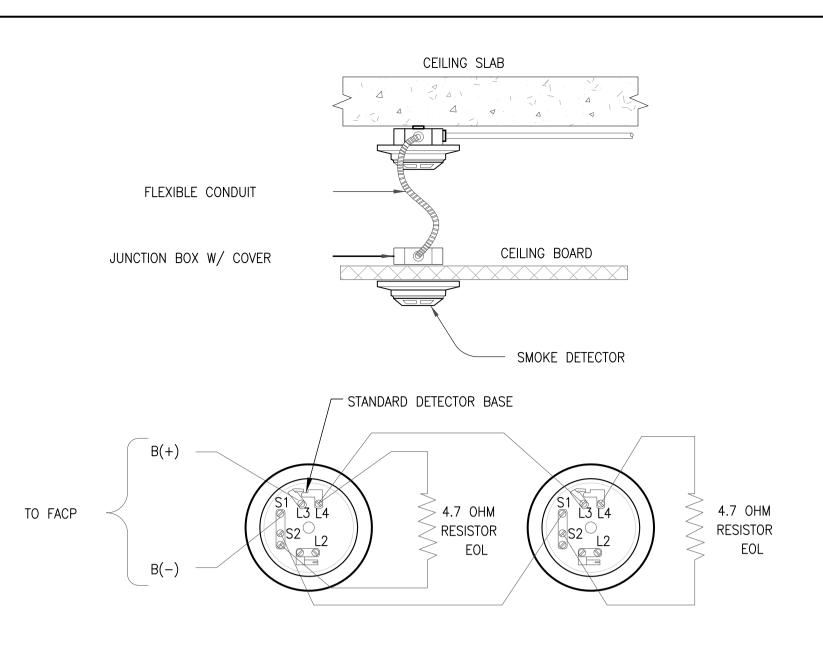




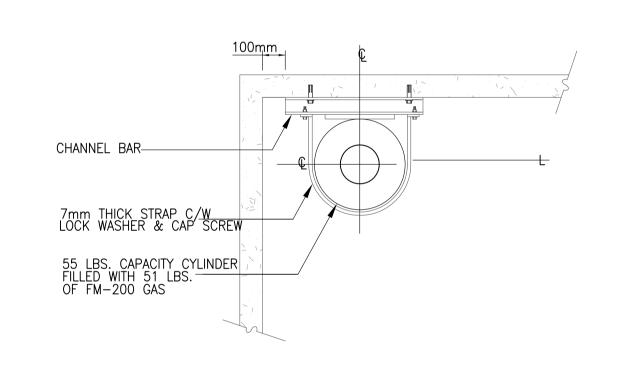


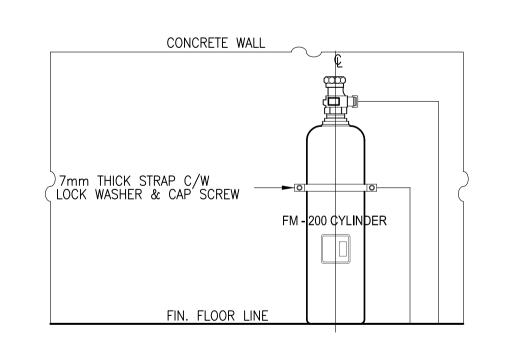




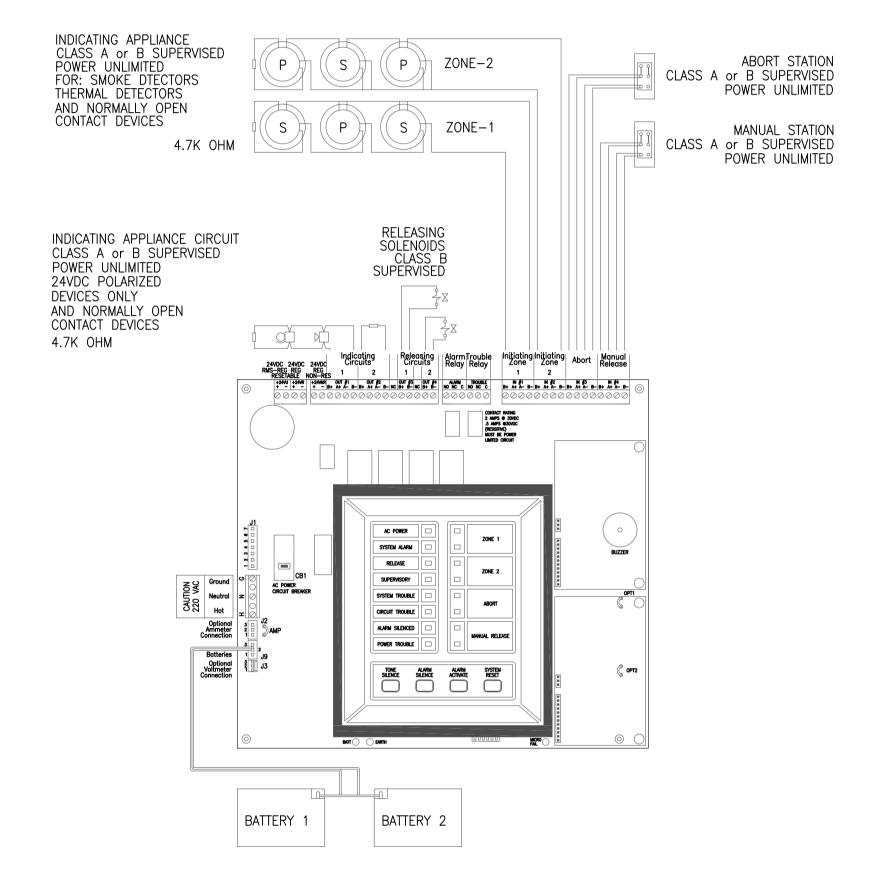






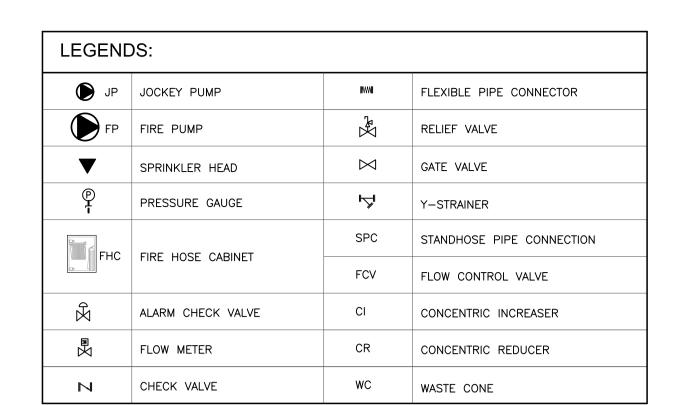


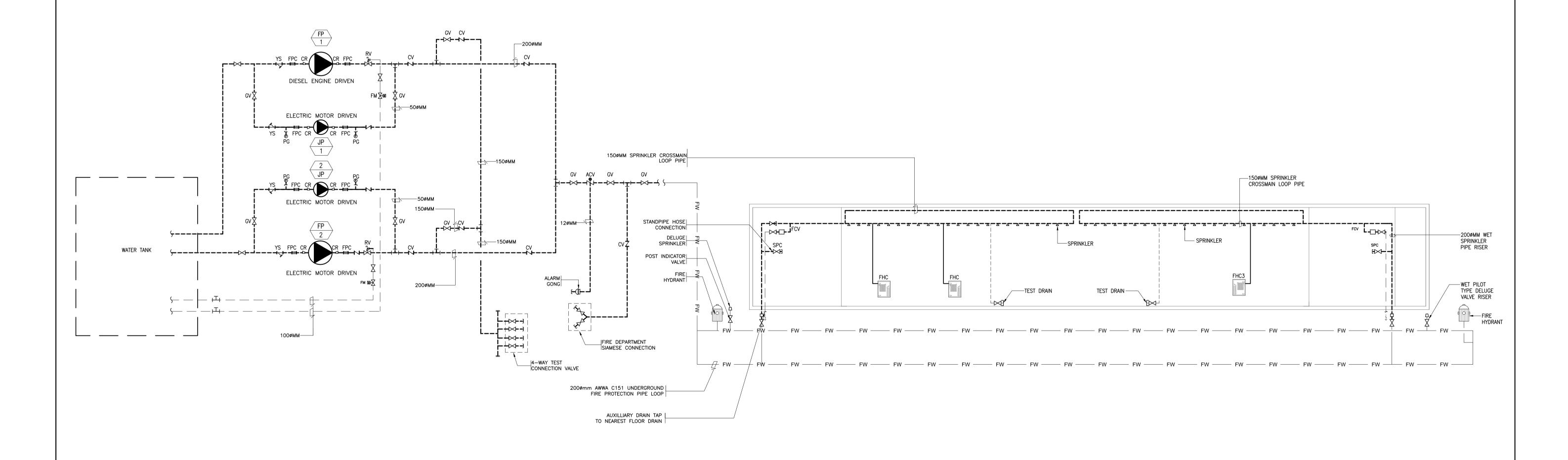




5	FM200 C0	ONTROL BOX WIRI	NG DETAIL
B1-5300-05	NOT	ТО	SCALE

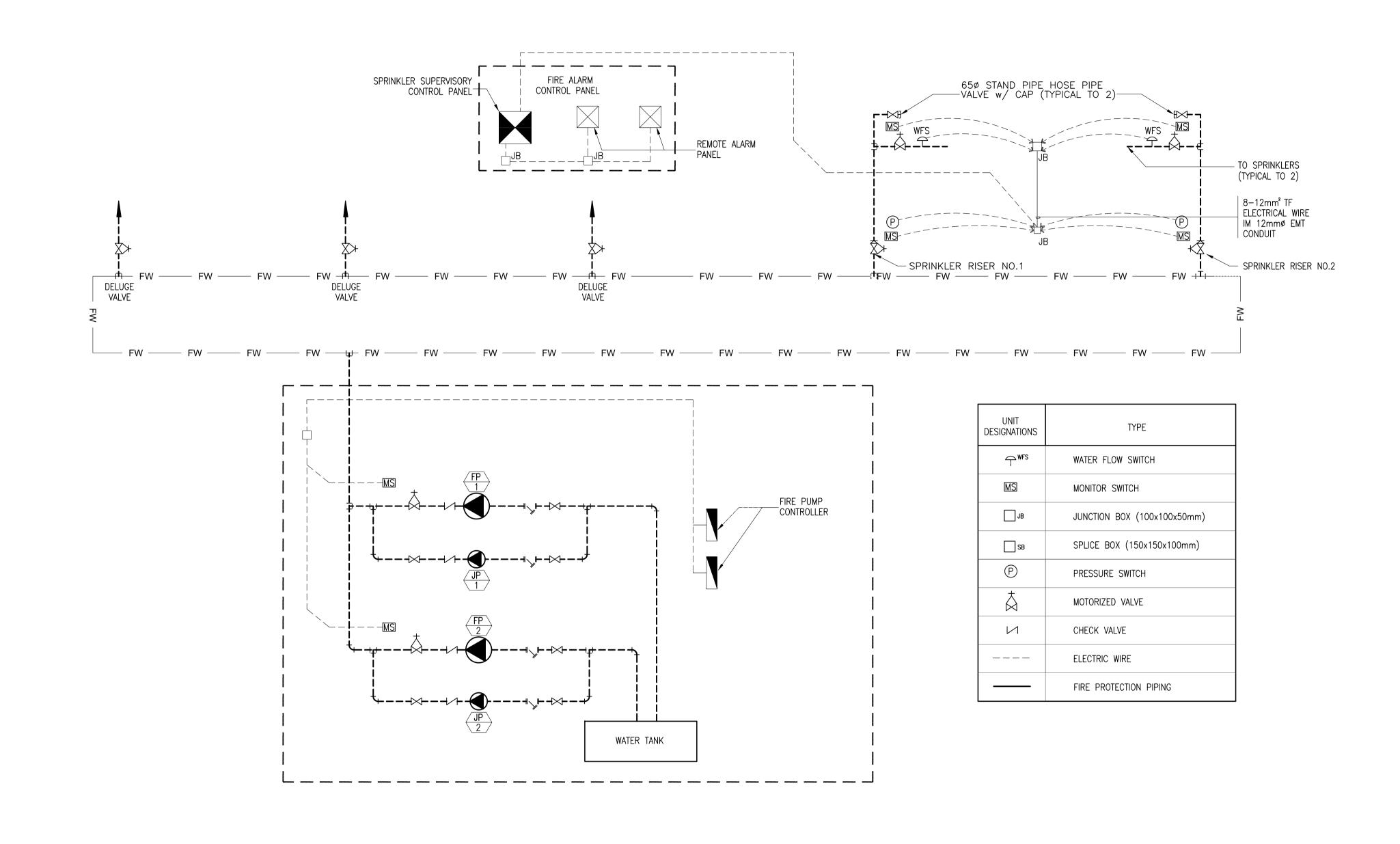
Assan ortation area		PREPARED BY:	RECOMMENDNG APPROVAL:	APPROVED:	PROJECT TITLE:				SHEET CONTENTS:	SHEET NO:
Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND	JAPAN INTERNATIONAL COOPERATION AGENCY	RENATO A. ARRIOLA							COMPONENT-4: BUILDING WORKS (B)	B1-5300-05
COMMUNICATIONS	AGENCY	Filipino Registered Engineer  PROF: MECHANICAL ENGINEER PTR. 1725187			NEW BOHOL AIRPORT CONSTRUCTION AND				SUBCOMPONENT-4-1: (B1) PASSENGER TERMINAL BUILDING (PTB)	B1 3300 03
JICA DESIGN CONSULTA	ANT JOINT VENTURE	REG. NO.: 2379 DATE: JANUARY 01, 2013 T.I.N. 150-563-379 PLACE: TAGUIG CITY			SUSTAINABLE ENVIRONMENT PROTECTION PROJECT					DRAWING SCALE:
JAC JAPAN AIRPORT CONSULTANTS, INC.	NIPPON KOEI  OO LTD	TADASHI AOI	ILDEFONSO T: PATDU, JR.	JULIANITO G. BUCAYAN, JR.		JUNE 2013		WIM HC	MECHANICAL FIRE PROTECTION  FM200 SYSTEM DETAILED DESIGN	AS SHOWN
JAC SINC.	CO., LTD.	Team Leader	Assistant Secretary for Project Implementation, DOTC	Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX	AMENDMENTS Prepared by	Checked Validated by	T MIZOU STSTEM DETAILED DESIGN	, to original







Association and the second sec	PREPARED BY:	RECOMMENDNG APPROVAL:	APPROVED:	PROJECT TITLE:						SHEET CONTENTS:	SHEET NO:
Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND COMMUNICATIONS  JAPAN INTERNATIONAL COOPERATION AGENCY	RENATO A. ARRIOLA				-	-	-	_		COMPONENT-4: BUILDING WORKS (B)	B1-5300-06
COMMUNICATIONS AGENCY	AGENCY  Filipino Registered Engineer  PROF: MECHANICAL ENGINEER PTR. 1725187		NEW BOHOL AIRPORT CONSTRUCTION AND						SUBCOMPONENT-4-1:  (B1) PASSENGER TERMINAL BUILDING (PTB)	Б1-3300-00	
JICA DESIGN CONSULTANT JOINT VENTURE	REG. NO.: 2379 DATE: JANUARY 01, 2013 T.I.N. 150–563–379 PLACE: TAGUIG CITY	<u>-</u> -		SUSTAINABLE ENVIRONMENT PROTECTION PROJECT						(BT) TABLETOLIN TERMINAL BOILDING (FIB)	DRAWING SCALE:
JAC S JAPAN AIRPORT CONSULTANTS, INC.  NIPPON KOEI CO., LTD.  NJS CONSULTANTS CO., LTD.	TADAÇUI AOI	ILDEFONSO T. PATDU, JR.	JULIANITO G. BUCAYAN, JR.		JUNE 2013				WIM HC	MECHANICAL FIRE PROTECTION	NTS
CONSULTANTS, INC.  NIPPON KOEI CO., LTD.  NJS CONSULTANTS CO., LTD.	TADASHI AOI Team Leader	Assistant Secretary for Project Implementation, DOTC	for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE I	NDEX	AMENDMENTS	Prepared by	Checked by Validated by	FIRE PROTECTION PIPING SCHEMATIC DIAGRAM	NIS



1 B1-5300-07 NTS

## SCHEMATIC WIRING DIAGRAM OF SPRINKLER SUPERVISORY MONITORING PANEL

in sportation and				PREPARED BY:	RECOMMENDNG APPROVAL:	APPROVED:	PROJECT TITLE:				SHEET CONTENTS:	SHEET NO:
o diment of	Republic of the Philippines DEPARTMENT OF TRANSPORTATION AND	jica	JAPAN INTERNATIONAL COOPERATION	RENATO A. ARRIOLA							COMPONENT-4: BUILDING WORKS (B)  SUBCOMPONENT-4-1:	B1-5300-07
1899 str	COMMUNICATIONS	JICA	AGENCY	Filipino Registered Engineer  PROF: MECHANICAL ENGINEER PTR. 1725187			NEW BOHOL AIRPORT CONSTRUCTION AND				(B1) PASSENGER TERMINAL BUILDING (PTB)	
	JICA DESIGN CONSULT	TANT JOINT VENTURE		REG. NO.: 2379 DATE: JANUARY 01, 2013 T.I.N. 150-563-379 PLACE: TAGUIG CITY			SUSTAINABLE ENVIRONMENT PROTECTION PROJECT					DRAWING SCALE:
JAC	JAPAN AIRPORT CONSULTANTS,	NIPPON KOEI	NJS CONSULTANTS	TADACHI AOI	ILDEFONSO T. PATDU, JR.	JULIANITO G. BUCAYAN, JR.		JUNE 2013		WIM HC	MECHANICAL FIRE PROTECTION  STANDHOSE PIPE AND FLOW CONTROL VALVE SECTION DETAIL	NTS
	inc.	CO., LTD.	CO., LTD.	TADASHI AOI Team Leader	Assistant Secretary for Project Implementation, DOTC	Undersecretary for Project Implementation, DOTC	LOCATION: MUNICIPALITY OF PANGLAO, PROVINCE OF BOHOL, PHILIPPINES	DATE INDEX	AMENDMENTS Prepared by	Checked Validated by	SCHEMATIC WIRING DIAGRAM OF SPRINKLER SUPERVISORY MONITORING PANE	