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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	CJDC
	RUAJR

REVIEWED BY:

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Division Chief II, IDDD-ADMS

SUBMITTED BY:

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Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES / REVISIONS

PROJECT TITLE:

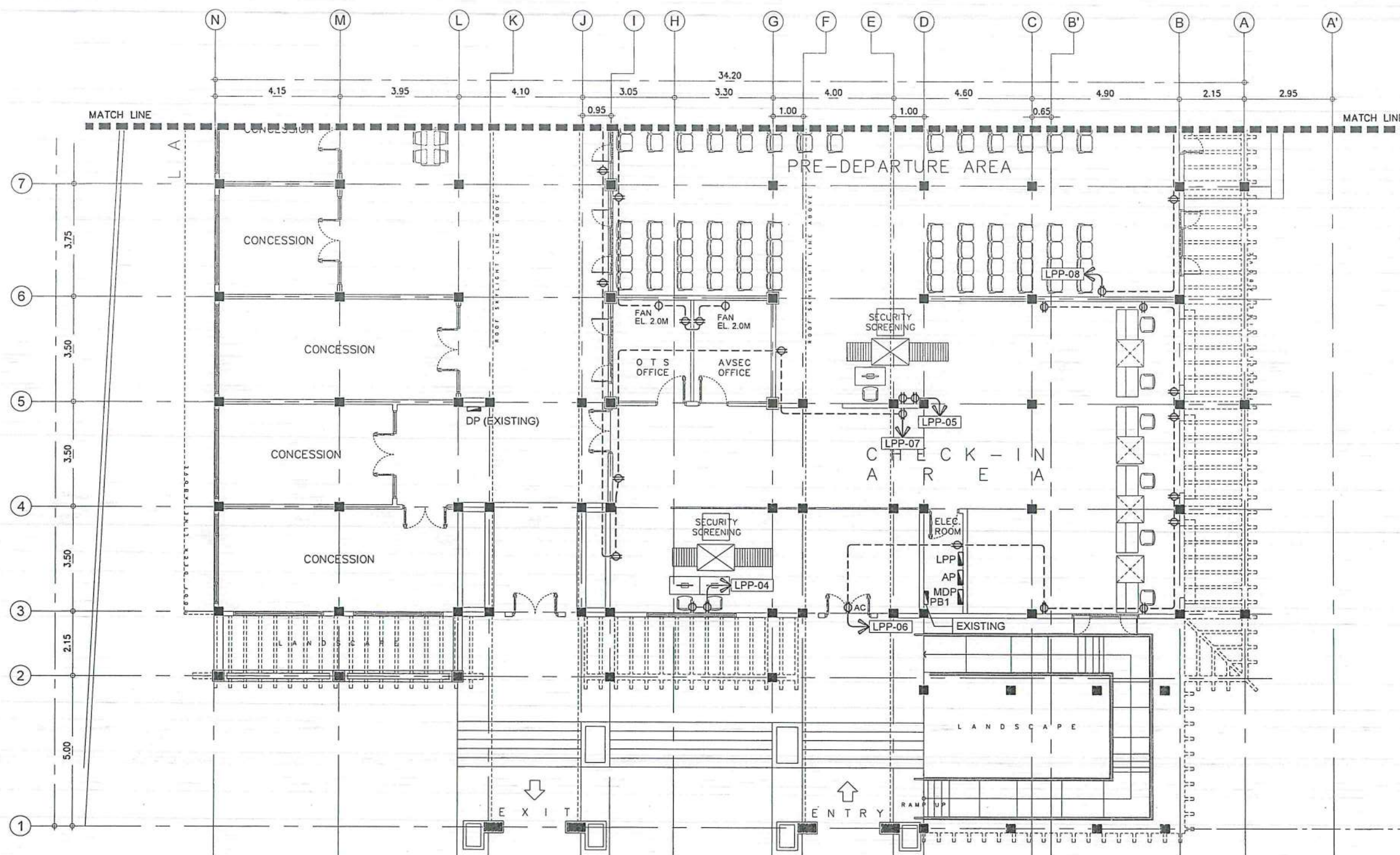
IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

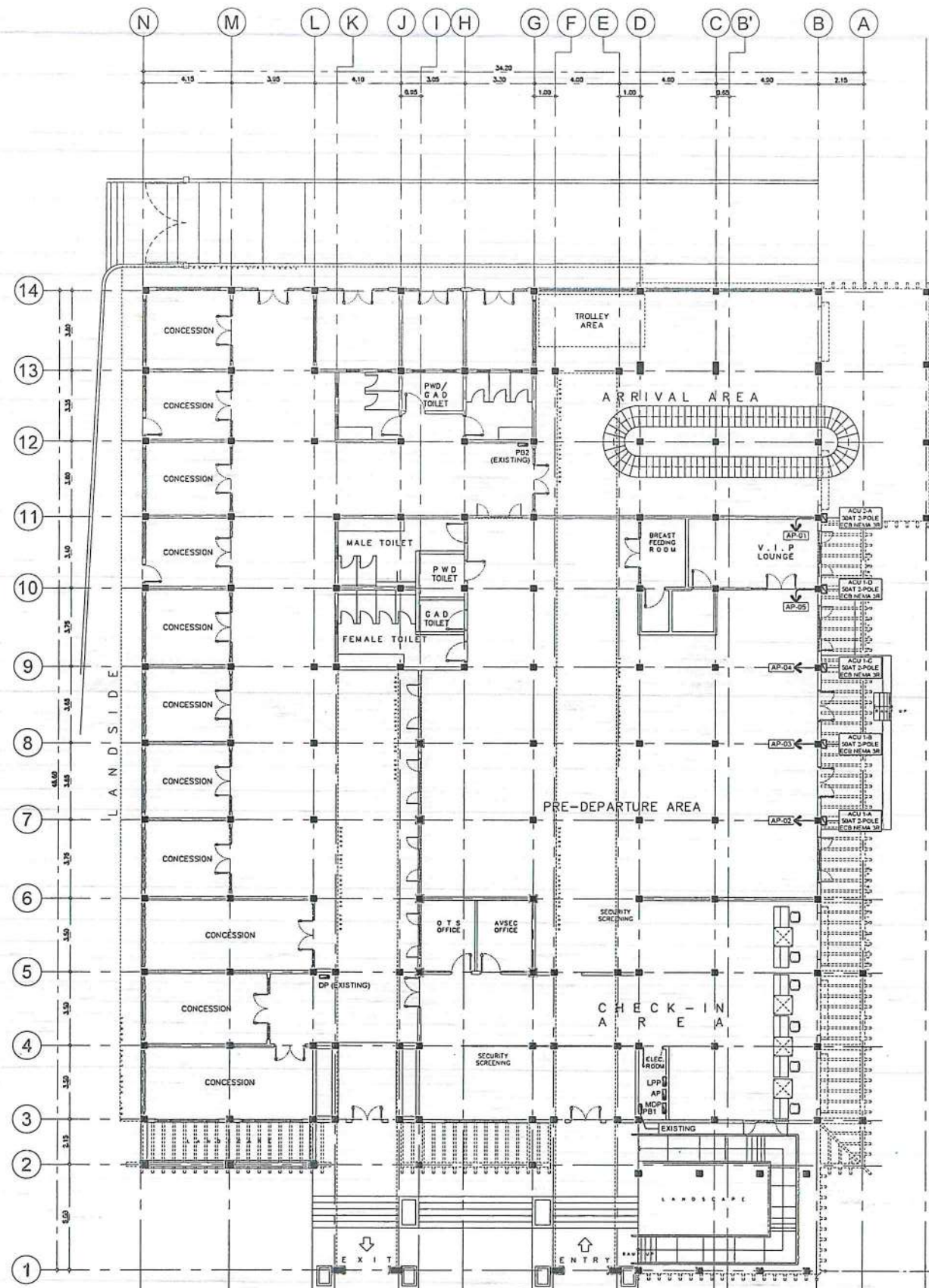
BASCO AIRPORT
BASCO, BATANES

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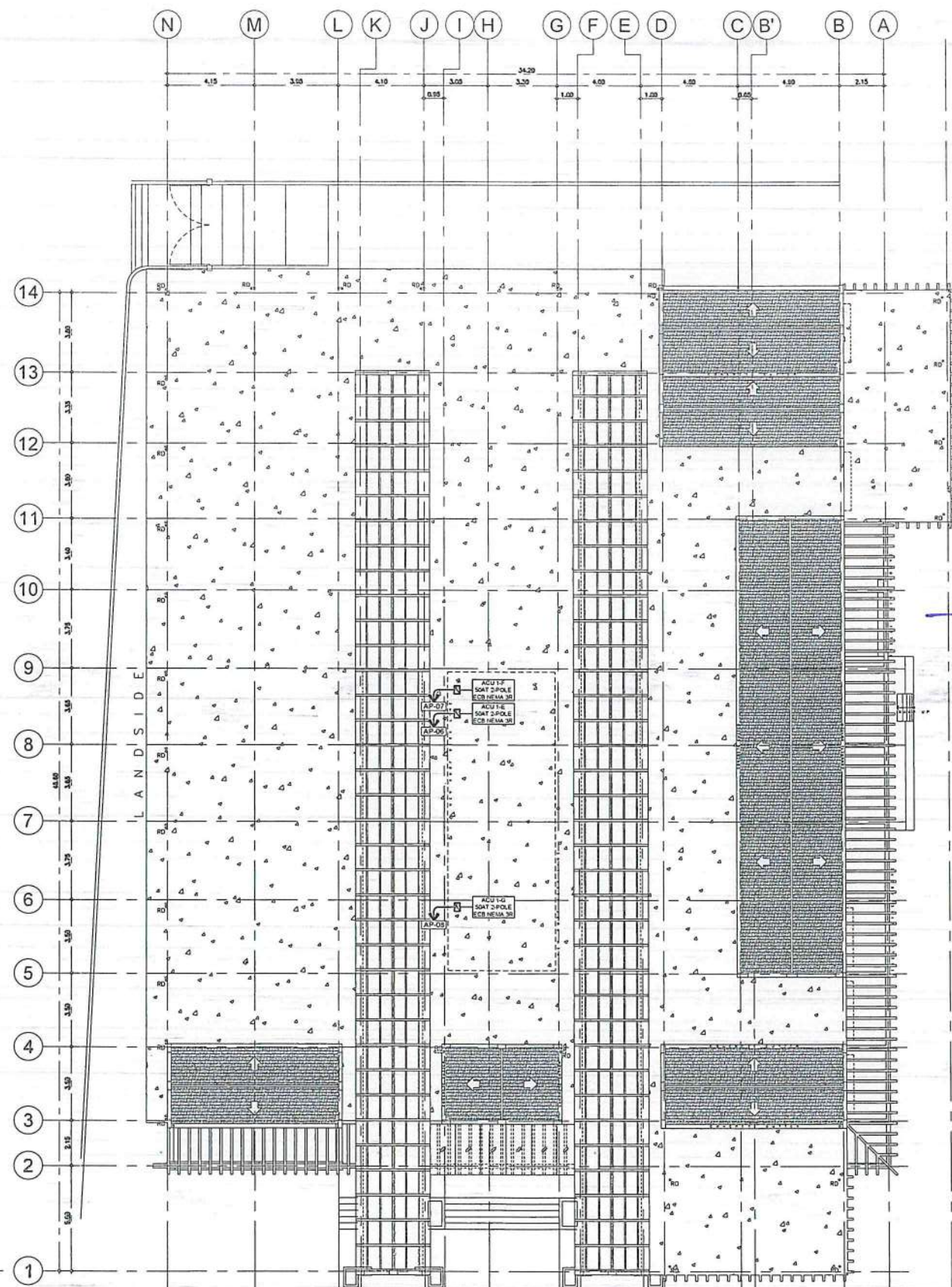
DRAWING SCALE:	SHEET NO:
AS SHOWN	E 010



1 POWER LAYOUT
SCALE: 1:150M



1 ACU POWER LAYOUT
SCALE: 1:275M



2 ROOF PLAN ACU POWER LAYOUT
SCALE: 1:275M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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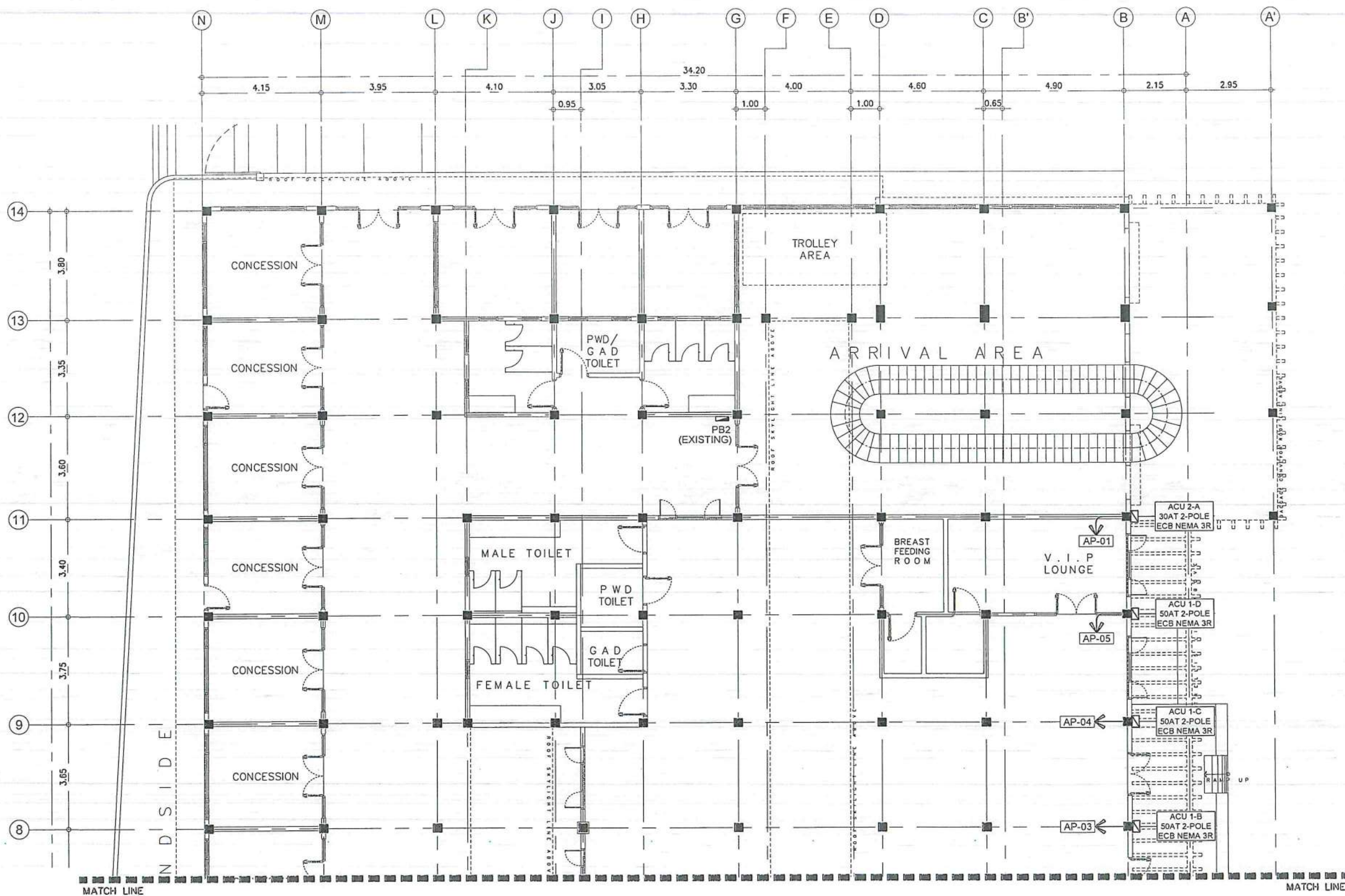
IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE: AS SHOWN
SHEET NO: E 011



1 ACU POWER LAYOUT
E 12 SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	E 012

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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION
OF PASSENGER TERMINAL
BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATAVIA

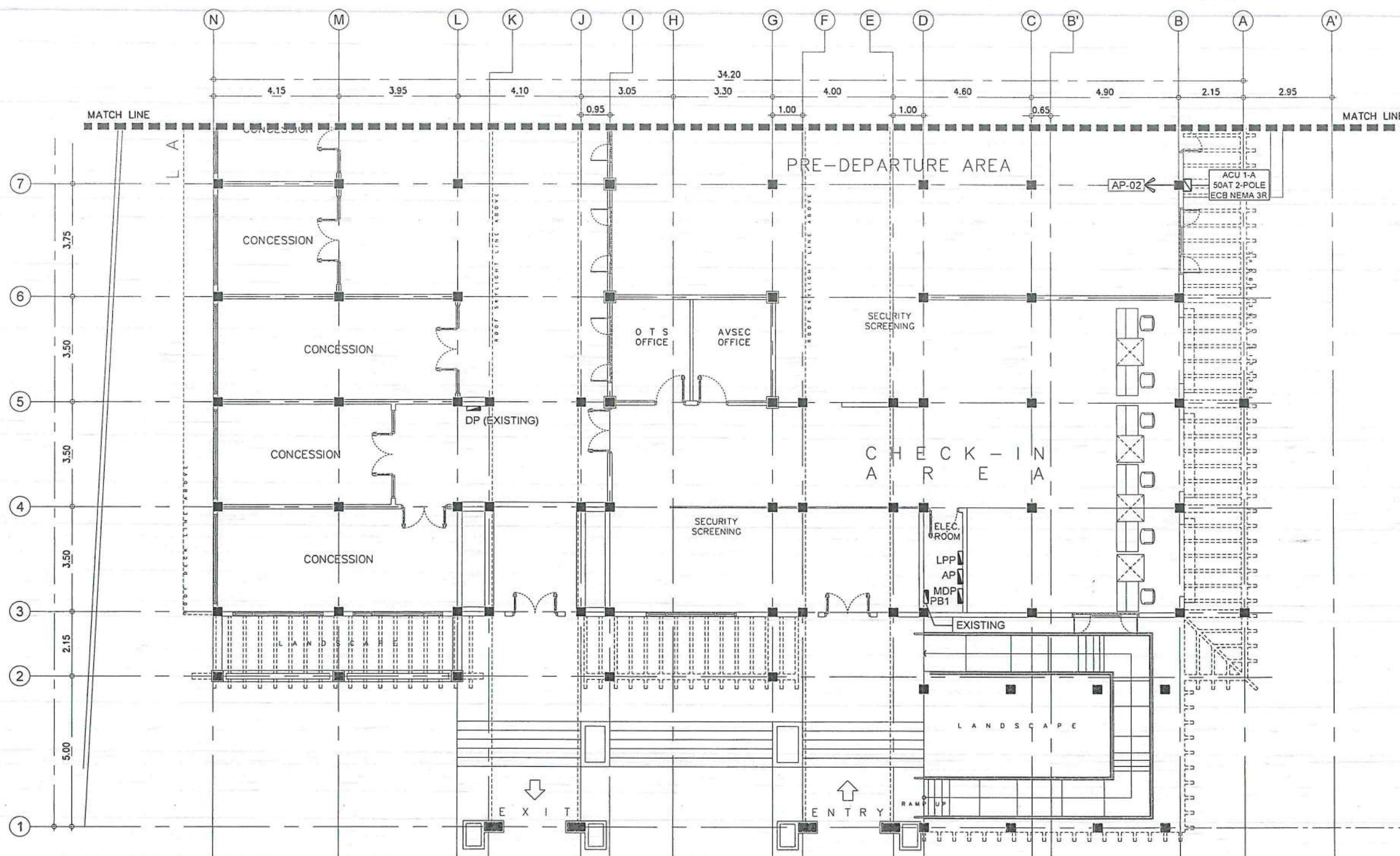
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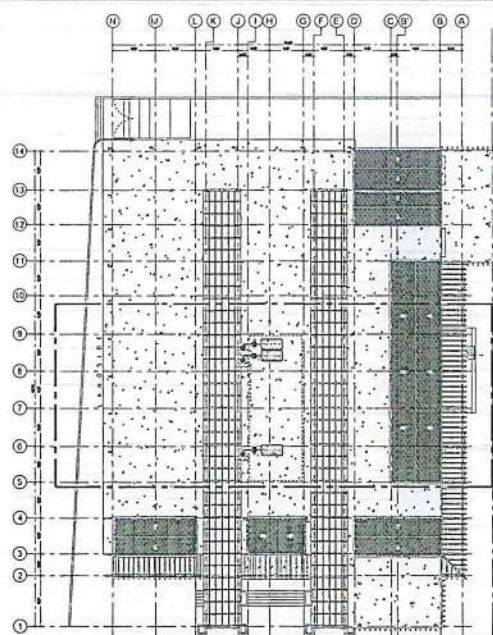
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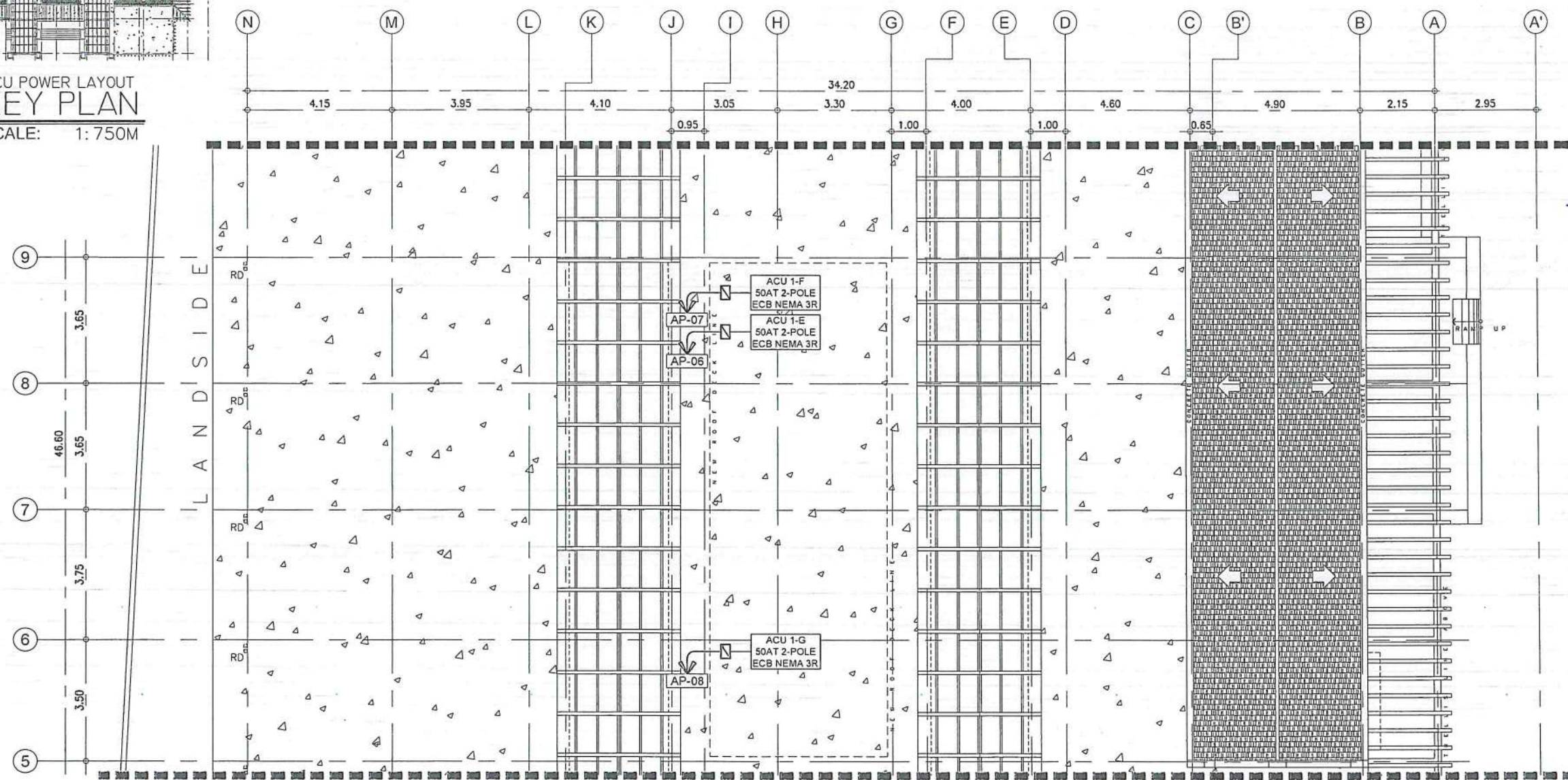
E 013



1 ACU POWER LAYOUT
SCALE: 1:150M



1
E 14
ACU POWER LAYOUT
KEY PLAN
SCALE: 1:750M



2
E 14
ROOF PLAN
ACU POWER LAYOUT
SCALE: 1:150M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
BACODS DIVISION

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DIRECTOR GENERAL

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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ASSISTANT DIRECTOR GENERAL II, ADMS

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CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:

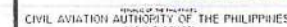
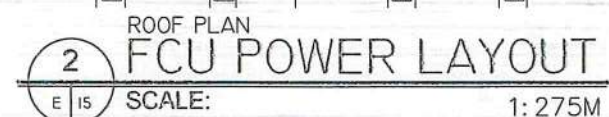
IMPROVEMENT/EXPANSION
OF PASSENGER TERMINAL
BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	E 014



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DIRECTOR GENERAL.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE	
<u>DESIGNED BY:</u>	IODD	
<u>DRAWN BY:</u>	IODD	
<u>CHECKED BY:</u>	CJDC	
	RUAR	

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CAPTAIN MANUEL ANTONIO L. TAMAYO
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NOTES / REVISIONS:

PROJECT TITLE:

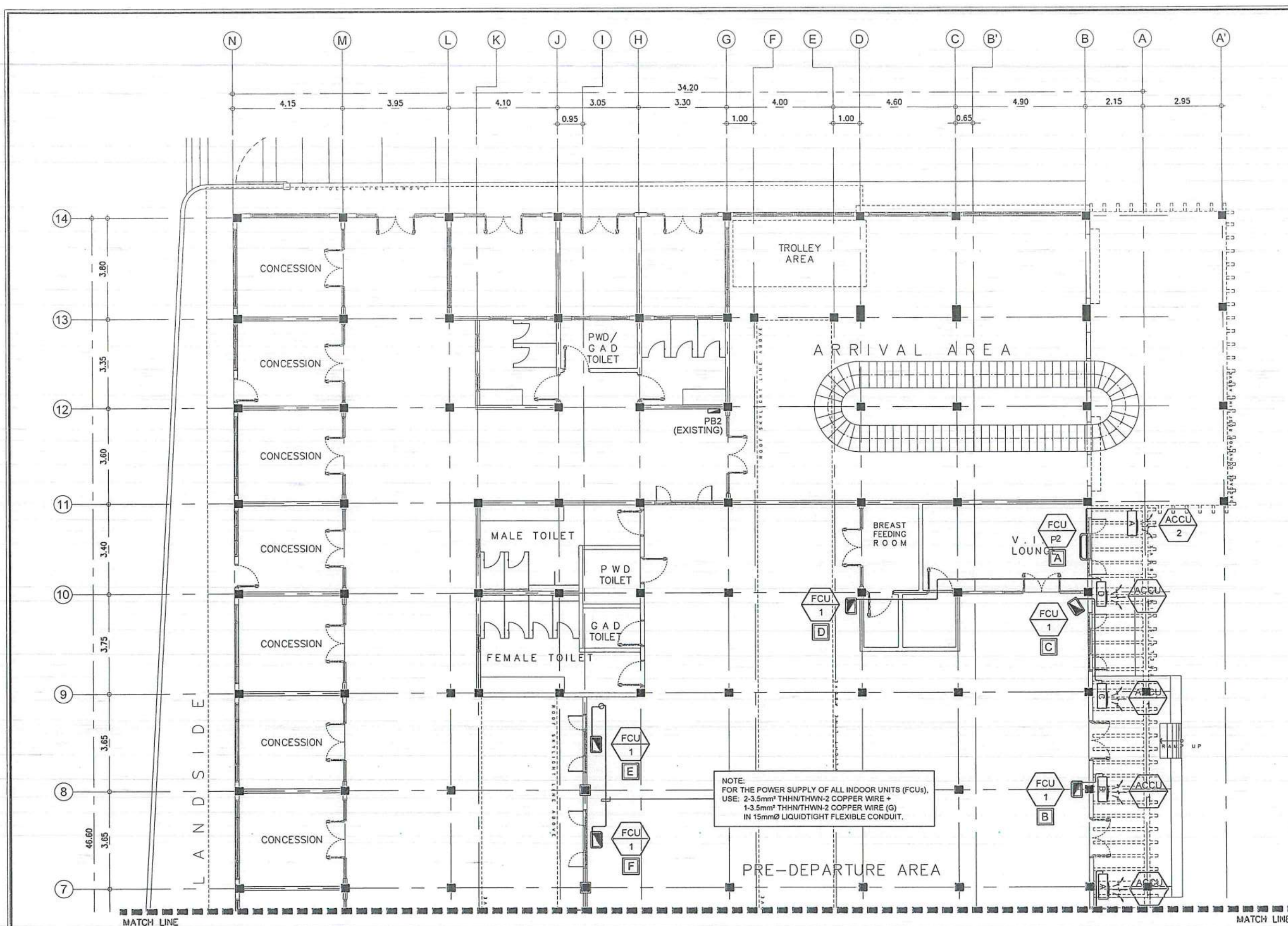
IMPROVEMENT/EXPANSION
OF PASSENGER TERMINAL
BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:	
AS SHOWN	E	015



1 FCU POWER LAYOUT
SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:

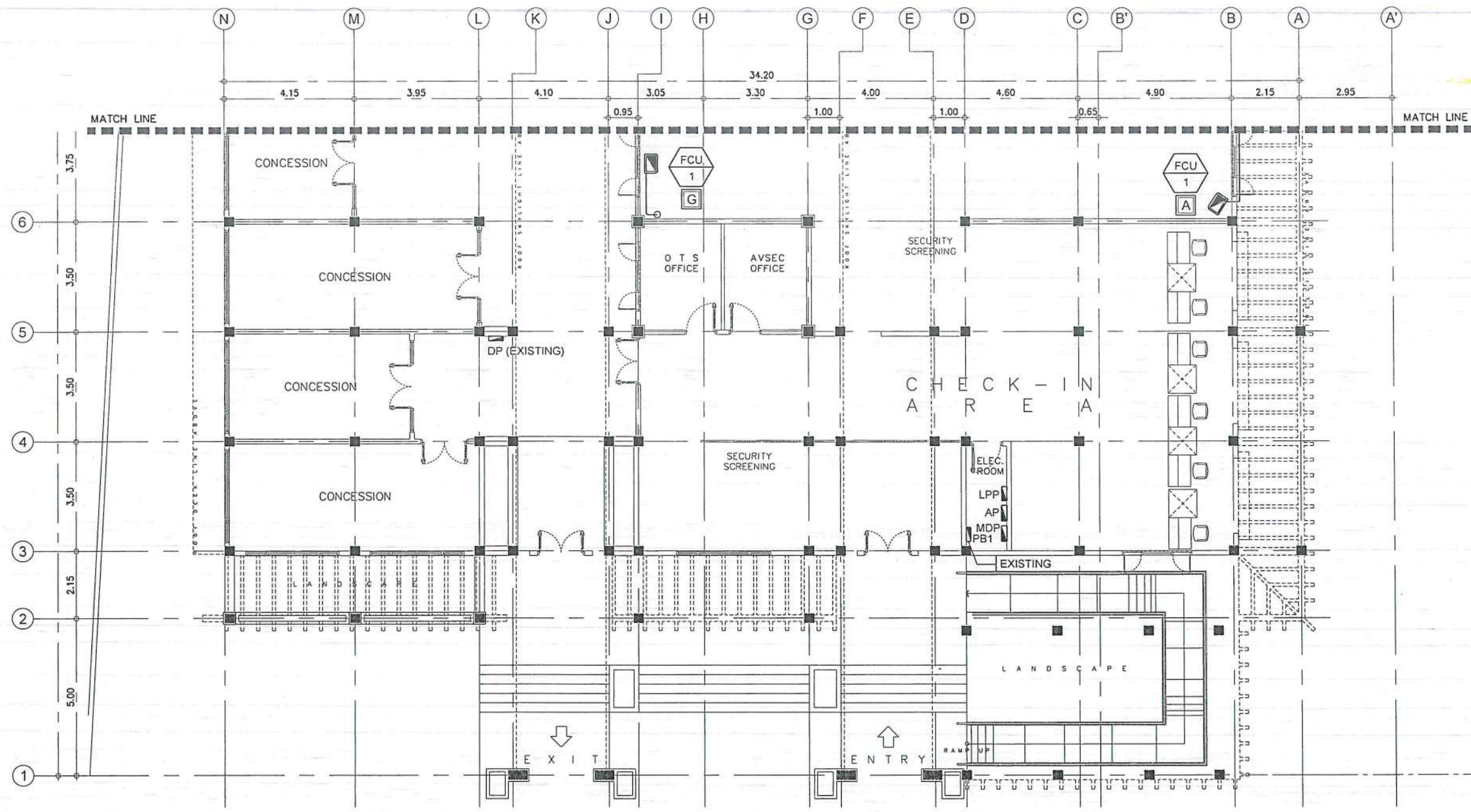
IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	E 016



1 FCU POWER LAYOUT
E 17 SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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ASSISTANT DIRECTOR GENERAL II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

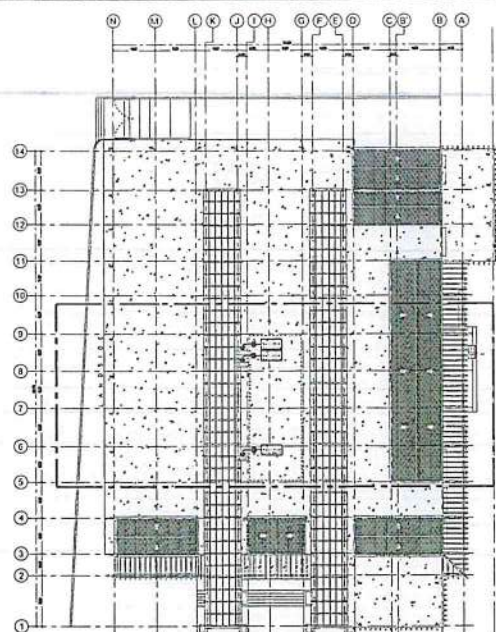
NOTES / REVISIONS:

PROJECT TITLE:
IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

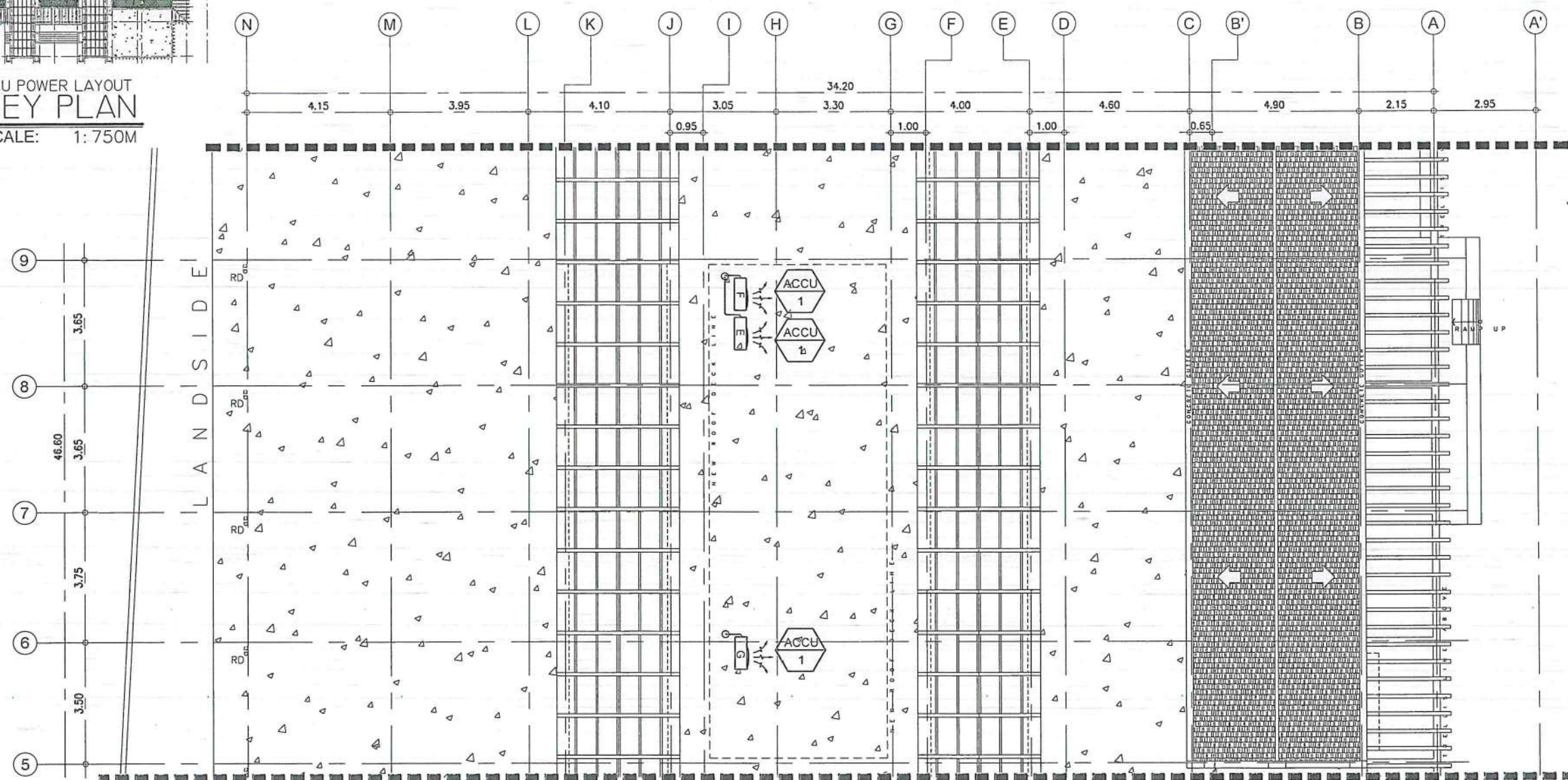
LOCATION:
BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE:	SHEET NO:
AS SHOWN	E 017



1 FCU POWER LAYOUT
KEY PLAN
SCALE: 1:750M



2 ROOF PLAN
FCU POWER LAYOUT
SCALE: 1:150M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
BACODC PHILIPPINES

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DIRECTOR GENERAL

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	CJDC
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DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION
OF PASSENGER TERMINAL
BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

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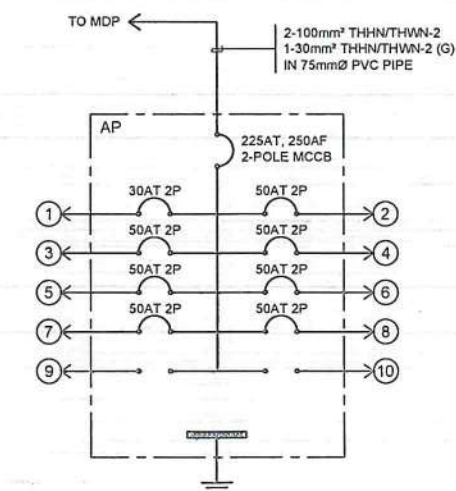
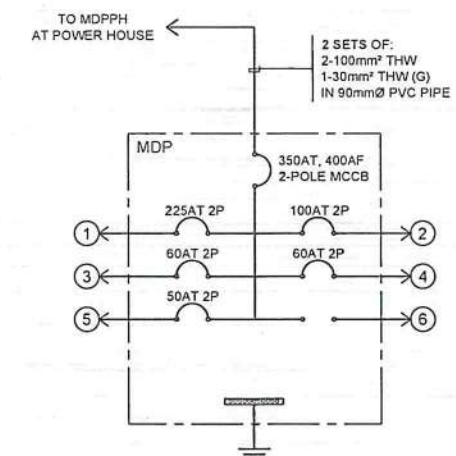
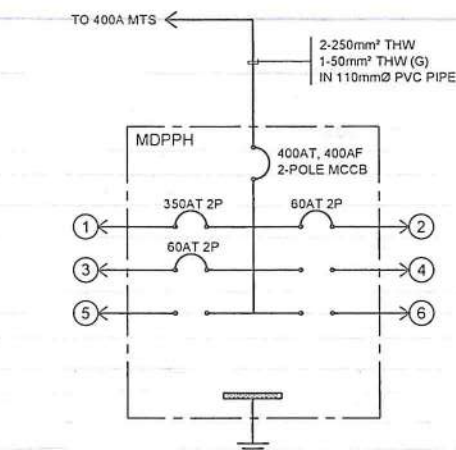
DRAWING SCALE:	SHEET NO:
AS SHOWN	E 018

PANEL MDPPH										MOUNTING : SURFACE MOUNT	
MAIN : 400AT, 400AF, 2P, 230V, 60HZ MCCB										LOCATION : POWER HOUSE	
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VOLTS	PHASE	VA PER CIRCUIT	AMPERE RATING	CB RATING			NUMBER & SIZE OF WIRE	SIZE OF CONDUIT
							AT	AF	P		
1	PANEL MDP		230	1	81680	350.87	350	400	2	2 SETS: 2 - 100mm ² THHN/THWN-2 CU WIRE + 1 - 30mm ² THHN/THWN-2 CU WIRE (G)	90mmØ PVC PIPE
2	SPARE		230	1	5000	21.74	60	100	2		
3	SPARE		230	1	5000	21.74	60	100	2		
4	SPACE										
5	SPACE										
6	SPACE										
TOTAL					91680	394.35					
COMPUTATION: $I_t = 394.35 (90\% D.F.) = 354.92 A$ $I_r = 360.67 A$ $I_{cb} = 389.42 A$											
FOR THE FEEDER CONDUCTORS: USE: 2 - 250mm ² THW COPPER WIRE 1 - 50mm ² THW COPPER WIRE (G) IN 110mmØ PVC ELECTRICAL PIPE											
FOR THE FEEDER CIRCUIT PROTECTION: USE: 400AT, 400AF, 2-POLE, 230V, 85KAIC MCCB											

PANEL MDP										MOUNTING : SURFACE MOUNT	
MAIN : 225AT, 250AF, 2P, 230V, 60HZ MCCB										LOCATION : ELECTRICAL ROOM	
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VOLTS	PHASE	VA PER CIRCUIT	AMPERE RATING	CB RATING			NUMBER & SIZE OF WIRE	SIZE OF CONDUIT
							AT	AF	P		
1	PANEL AP		230	1	39790	173.00	225	250	2	2 - 100mm ² THHN/THWN-2 CU WIRE + 1 - 30mm ² THHN/THWN-2 CU WIRE (G)	75mmØ PVC PIPE
2	PANEL LPP		230	1	21890	95.27	100	100	2	2 - 30mm ² THHN/THWN-2 CU WIRE + 1 - 8.0mm ² THHN/THWN-2 CU WIRE (G)	40mmØ PVC PIPE
3	PANEL DP (EXISTING)		230	1	7000	30.43	60	100	2	2 - 14mm ² THHN/THWN-2 CU WIRE + 1 - 8.0mm ² THHN/THWN-2 CU WIRE (G)	32mmØ PVC PIPE
4	PANEL PB1 (EXISTING)		230	1	7000	30.43	60	100	2	2 - 14mm ² THHN/THWN-2 CU WIRE + 1 - 8.0mm ² THHN/THWN-2 CU WIRE (G)	32mmØ PVC PIPE
5	PANEL PB2 (EXISTING)		230	1	5000	21.74	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
6	SPACE										
TOTAL					81680	350.87					
COMPUTATION: $I_t = 350.87 (90\% D.F.) = 315.78 A$ $I_r = 321.53 A$ $I_{cb} = 350.28 A$											
FOR THE FEEDER CONDUCTORS: USE 2 SETS OF: 2 - 100mm ² THW COPPER WIRE 1 - 30mm ² THW COPPER WIRE (G) IN 90mmØ PVC ELECTRICAL PIPE											
FOR THE FEEDER CIRCUIT PROTECTION: USE: 350AT, 400AF, 2-POLE, 230V, 85KAIC MCCB											

PANEL AP										MOUNTING : SURFACE MOUNT	
MAIN : 225AT, 250AF, 2P, 230V, 60HZ MCCB										LOCATION : ELECTRICAL ROOM	
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VOLTS	PHASE	VA PER CIRCUIT	AMPERE RATING	CB RATING			NUMBER & SIZE OF WIRE	SIZE OF CONDUIT
							AT	AF	P		
1	2.5 HP AIR CONDITIONING UNIT (2-A)	1	230	1	2760	12.00	30	100	2	2 - 5.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
2	5.0 TR AIR CONDITIONING UNIT (1-A)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
3	5.0 TR AIR CONDITIONING UNIT (1-B)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
4	5.0 TR AIR CONDITIONING UNIT (1-C)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
5	5.0 TR AIR CONDITIONING UNIT (1-D)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
6	5.0 TR AIR CONDITIONING UNIT (1-E)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
7	5.0 TR AIR CONDITIONING UNIT (1-F)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
8	5.0 TR AIR CONDITIONING UNIT (1-G)	1	230	1	5290	23.00	50	100	2	2 - 8.0mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	25mmØ PVC PIPE
9	SPACE										
10	SPACE										
TOTAL					39790	173.00					
COMPUTATION: $I_t = 173.00 A$ $I_r = 178.75 A$ $I_{cb} = 207.50 A$											
FOR THE FEEDER CONDUCTORS: USE: 2 - 100mm ² THHN/THWN-2 COPPER WIRE 1 - 30mm ² THHN/THWN-2 COPPER WIRE (G) IN 75mmØ PVC ELECTRICAL PIPE											
FOR THE FEEDER CIRCUIT PROTECTION: USE: 225AT, 250AF, 2-POLE, 230V, 25KAIC MCCB											

1 SCHEDULE OF LOADS
SCALE: NTS



2 PANEL BOARD DIAGRAM
SCALE: NTS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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APPROVED:

 CAPTAIN MANUEL ANTONIO L. TAMAYO
 DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:
 IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
 BASCO, BATANES

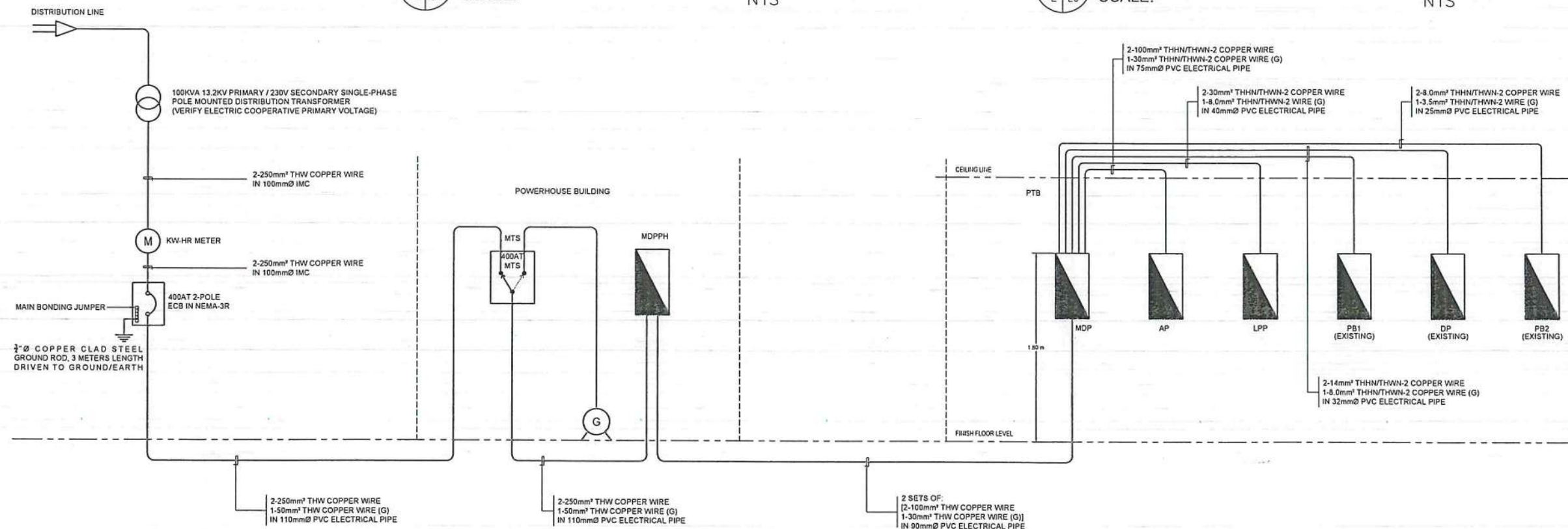
SHEET CONTENTS:

DRAWING SCALE: SHEET NO:
 AS SHOWN E 019

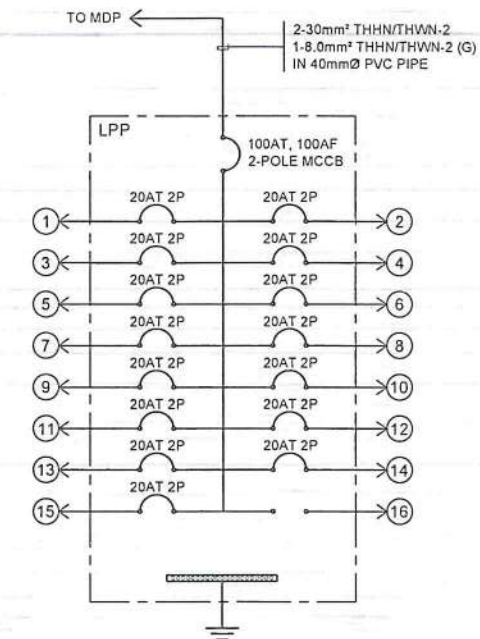
PANEL LPP										MOUNTING : SURFACE MOUNT	
MAIN : 100AT, 100AF, 2P, 230V, 60HZ MCCB										LOCATION : ELECTRICAL ROOM	
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VOLTS	PHASE	VA PER CIRCUIT	AMPERE RATING	CB RATING			NUMBER & SIZE OF WIRE	SIZE OF CONDUIT
							AT	AF	P		
1	LIGHTING OUTLETS	22	230	1	515	2.34	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
2	LIGHTING OUTLETS	68	230	1	1565	6.80	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
3	LIGHTING OUTLETS	57	230	1	1240	5.39	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
4	BAGGAGE SCANNER OUTLETS	2	230	1	1800	7.83	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
5	BAGGAGE SCANNER OUTLETS	2	230	1	1800	7.83	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
6	CONVENIENCE OUTLETS	10	230	1	1800	7.83	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
7	CONVENIENCE OUTLETS	7	230	1	1260	5.48	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
8	CONVENIENCE OUTLETS	10	230	1	1710	7.43	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
9	CONVENIENCE OUTLETS	9	230	1	1440	6.26	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
10	CONVENIENCE OUTLETS	7	230	1	1260	5.48	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
11	HAND DRYER OUTLET	1	230	1	1500	6.52	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
12	HAND DRYER OUTLET	1	230	1	1500	6.52	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
13	HAND DRYER OUTLET	1	230	1	1500	6.52	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
14	HAND DRYER OUTLET	1	230	1	1500	6.52	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
15	HAND DRYER OUTLET	1	230	1	1500	6.52	20	100	2	2 - 3.5mm ² THHN/THWN-2 CU WIRE + 1 - 3.5mm ² THHN/THWN-2 CU WIRE (G)	20mmØ PVC PIPE
16	SPACE										
	T O T A L					21890	95.27				
COMPUTATION:			FOR THE FEEDER CONDUCTORS:				FOR THE FEEDER CIRCUIT PROTECTION:				
It = 95.27 (80% D.F.) = 76.22 A			USE: 2 - 30mm ² THHN/THWN-2 COPPER WIRE				USE: 100AT, 100AF, 2-POLE, 230V, 25KAIC MCCB				
Ir = 95.27 A			1 - 8.0mm ² THHN/THWN-2 COPPER WIRE (G)								
Icb = 95.27 A			IN 40mmØ PVC ELECTRICAL PIPE								

1 SCHEDULE OF LOADS
SCALE: NTS

2 PANEL BOARD DIAGRAM
SCALE: NTS



3 SINGLE-LINE DIAGRAM
SCALE: NTS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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NOTES / REVISIONS:

PROJECT TITLE:
IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:
BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

DRAWING SCALE: SHEET NO:
AS SHOWN E 020

GENERAL NOTES:

- IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTINGS, DUCT FITTINGS, VALVES, DAMPERS, HANGERS/SUPPORTS, ETC.. ALL SUCH ITEM WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE ENGINEER AND THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE IN VERIFYING AND COORDINATING, THE FOLLOWING IN ACCORDANCE WITH MANUFACTURER'S DATA AND RECOMMENDATIONS.
 - FLOOR, ROOF AND WALL OPENINGS
 - EQUIPMENT PADS/PEDESTALS
 - CONDENSATE DRAIN LINES
- ALL PIPE SIZES ARE IN MILLIMETER (mm) UNLESS OTHERWISE INDICATED.
- ALL STRUCTURAL AND ARCHITECTURAL FINISHES DAMAGED DURING THE COURSE OF WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR AS APPROVED BY OWNER.
- PROVIDE SERVICE ACCESS & CLEARANCE TO CHANGE AIR FILTER ELEMENT FOR AC EQUIPMENT AS RECOMMENDED BY MANUFACTURER.
- ALL INSULATED MECHANICAL PIPES THAT ARE EXPOSED SHALL BE CLADDED WITH ALUMINUM SHEET. CLADDING SHALL BE MACHINE/SHOP FABRICATED.
- CONTRACTOR/VENDOR SHOULD BE FAMILIAR WITH THE ACTUAL SITE CONDITION AND INSTALLATION TO VERIFY IF THE WORK IS IN CONFORMANCE TO MANUFACTURER RECOMMENDATION AND SHOULD RECTIFY IF SUCH CONDITION EXIST.
- THE CONTRACTOR SHALL COORDINATE W/ THE STRUCTURAL, SANITARY, ARCHITECTURAL AND ELECTRICAL REGARDING THE ROUGHING-INS OF FUTURE AIR CONDITIONING UNITS. ALL EMBEDDED ITEMS SHALL BE INSTALLED IN PLACE UNDER THIS CONTRACT.
- FINAL EQPT. TAG NUMBERING SHALL BE MADE BY THE OWNER'S ENGINEERING DEPARTMENT FOR CASE OF IDENTIFICATION OF INDIVIDUAL UNIT.
- INSTALLATION OF ALL WORKS SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER, IMPROPERLY SET WORK OR FINISH AS DETERMINED BY THE ARCHITECT SHALL BE REMOVED AND REPLACED AT NO EXTRA COST.
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND CLEAN.
- DEVIATION AND REVISIONS FROM PLAN SHALL BE REFERRED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.
- ALL NECESSARY GOVERNMENT PERMIT SHALL BE SECURED AND PAID FOR THE CONTRACTOR.
- ALL MECHANICAL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST MECHANICAL ENGINEER'S CODE ASPE, ASHRAE AND SMACNA STANDARD.
- ALL A/C AND VENTILATING EQUIPMENT CONTROL PANEL SWITCH AND CIRCUIT BREAKERS ARE PROVIDED BY THE MECHANICAL CONTRACTOR.
- THE MECHANICAL CONTRACTOR SHALL CONDUCT TESTING, BALANCING AND COMMISSIONING OF ALL A/C AND VENTILATING EQUIPMENT.

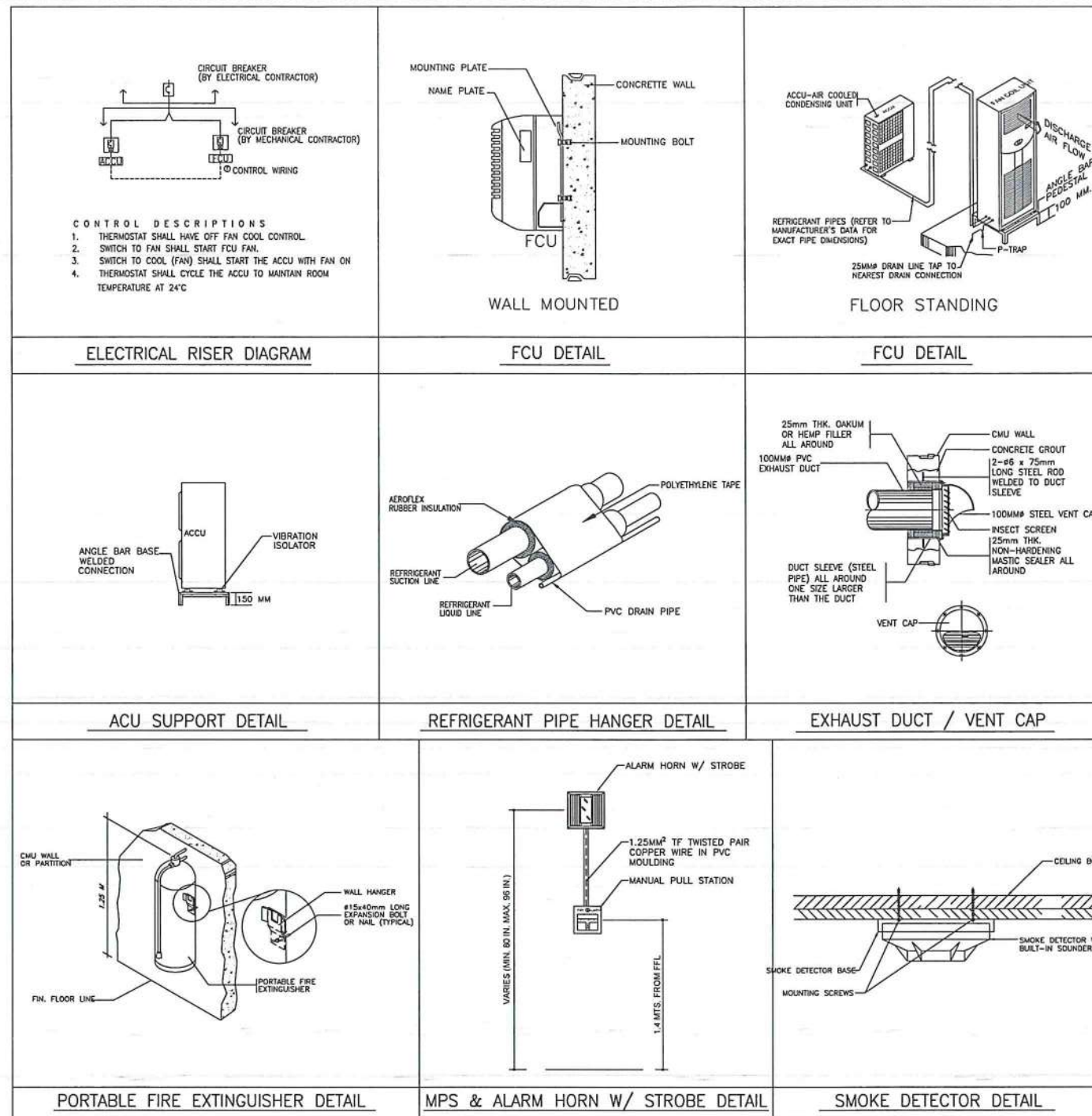
SYMBOL	ABBREVIATION	DESCRIPTION
	A/C	AIR CONDITIONING
	ACCU	AIR COOLED CONDENSING UNIT
	FCU	FAN COIL UNIT
	FDAS	FIRE DETECTION AND ALARM SYSTEM
	KLM	KILOMETERS
	PH	PHASE
		PIPE GOING UP
		PIPE GOING DOWN
	PFE	PORTABLE FIRE EXTINGUISHER
	QTY	QUANTITY
	RL	REFRIGERANT LIQUID
	RG	REFRIGERANT GAS
	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
	TR	TON OF REFRIGERATION
	TYP	TYPICAL
	HP	HORSEPOWER
	HZ	HERTZ
	V	VOLTS

FAN COIL UNIT (INDOOR UNIT)

MARK	QTY.	LOCATION / AREA SERVED	COOLING LOAD/UNIT HP (TR)	DRAIN LINE mm (IN)	REFRIGERANT		ELECTRICAL DATA				NET WEIGHT KG	REMARKS	
					TYPE	PIPE CONNECTION	V	PH	HZ	RATED CURRENT (A)			
						GAS LINE mm (IN)	LIQUID LINE mm (IN)						
	7	PRE-DEPARTURE AREA	(5.0)	25 (1)	R-32	15.88 (5/8)	9.52 (3/8)	220-230	1	60	-	58	INVERTER FLOOR STANDING TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE WIRELESS, TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.
	1	VIP LOUNGE	2.5	25 (1)	R-32	12.70 (1/2)	6.35 (1/4)	220-230	1	60	9.50	13	INVERTER WALL MOUNTED TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE WIRELESS, TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.

AIR COOLED CONDENSING UNIT (OUTDOOR UNIT)

MARK	QTY.	CAPACITY HP (TR)	EQUIPMENT SERVED	REFRIGERANT		ELECTRICAL DATA					NET WEIGHT KG	REMARKS	
				TYPE	PIPE CONNECTION	V	PH	HZ	RATED CURRENT (A)	CIRCUIT BREAKER (A)			
					GAS LINE mm (IN)	LIQUID LINE mm (IN)							
ACCU 1	7	(5.0)	FCU-1	R-32	15.88 (5/8)	9.52 (3/8)	220-230	1	60	19	60	87	INVERTER FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HERMETIC COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT PAD. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.
ACCU 2	1	2.5	FCU-2	R-32	12.70 (1/2)	6.35 (1/4)	220-230	1	60	-	30	29	INVERTER FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HERMETIC COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT PAD. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

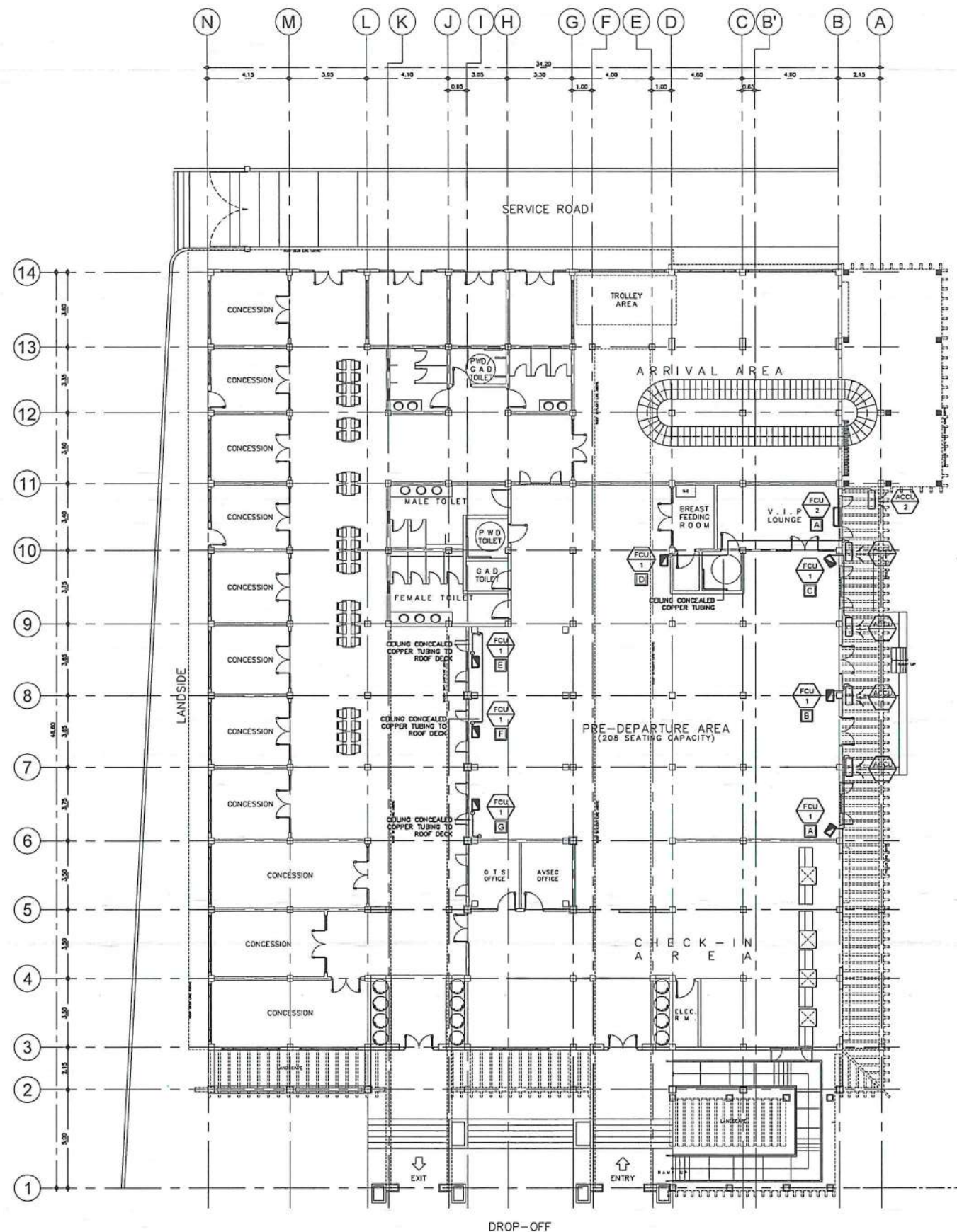
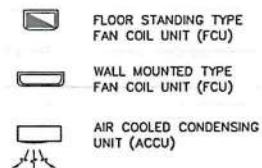
SHEET CONTENTS:

GENERAL NOTES
MISCELLANEOUS DETAILS
EQUIPMENT SCHEDULE

DRAWING SCALE: SHEET NO.

AS SHOWN M 01

LEGEND:



1 AIR-CONDITIONING LAYOUT
SCALE: 1:275M



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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

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NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION
OF PASSENGER TERMINAL
BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

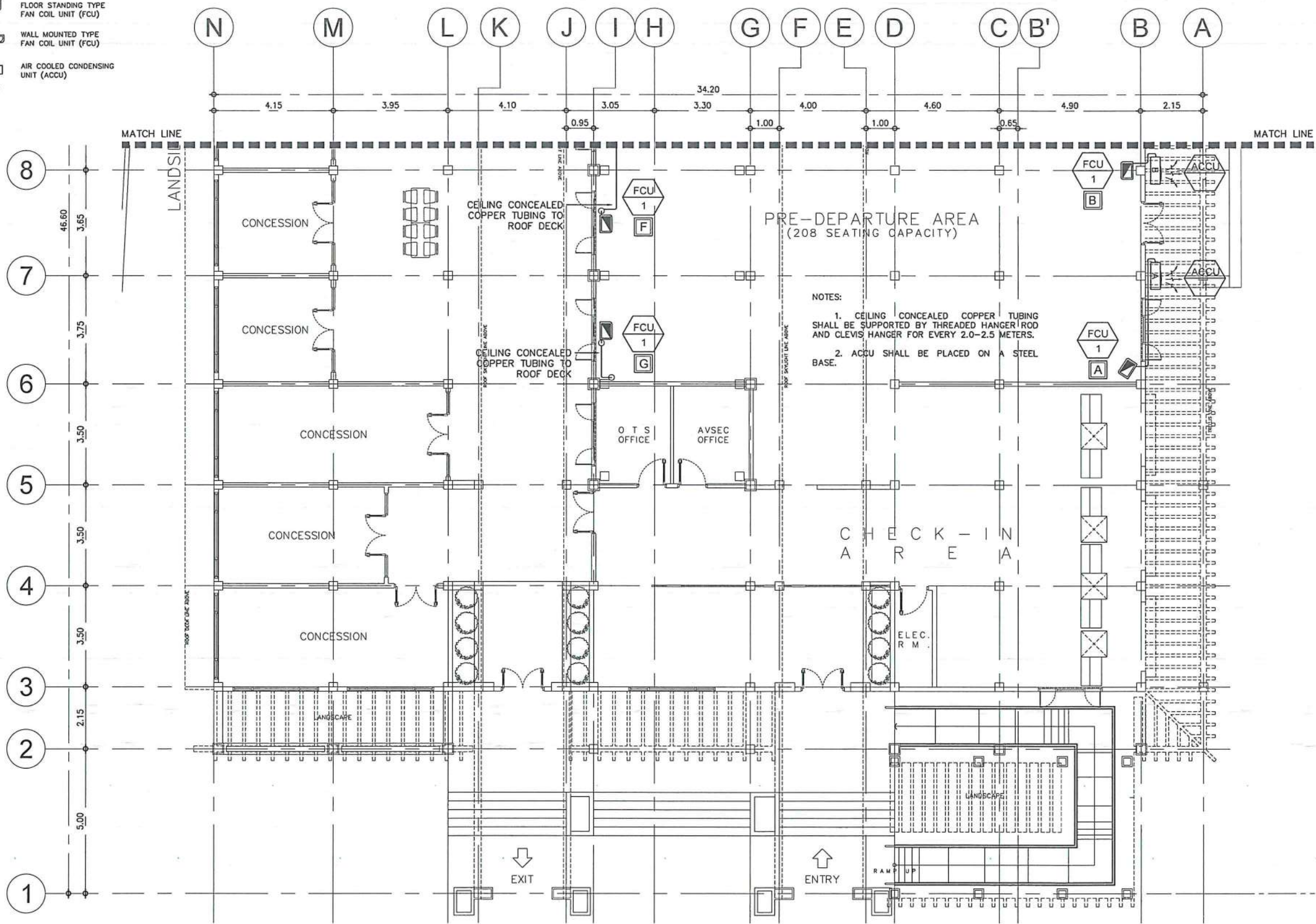
SHEET CONTENTS:

AIR-CONDITIONING LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 02

LEGEND:

-  FLOOR STANDING TYPE FAN COIL UNIT (FCU)
-  WALL MOUNTED TYPE FAN COIL UNIT (FCU)
-  AIR COOLED CONDENSING UNIT (ACCU)



NOTES:
 1. CEILING CONCEALED COPPER TUBING SHALL BE SUPPORTED BY THREADED HANGER ROD AND CLEVIS HANGER FOR EVERY 2.0-2.5 METERS.
 2. ACCU SHALL BE PLACED ON A STEEL BASE.

1 PARTIAL AIR-CONDITIONING LAYOUT - B
 M 04 SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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NOTES / REVISIONS:

PROJECT TITLE:
 IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

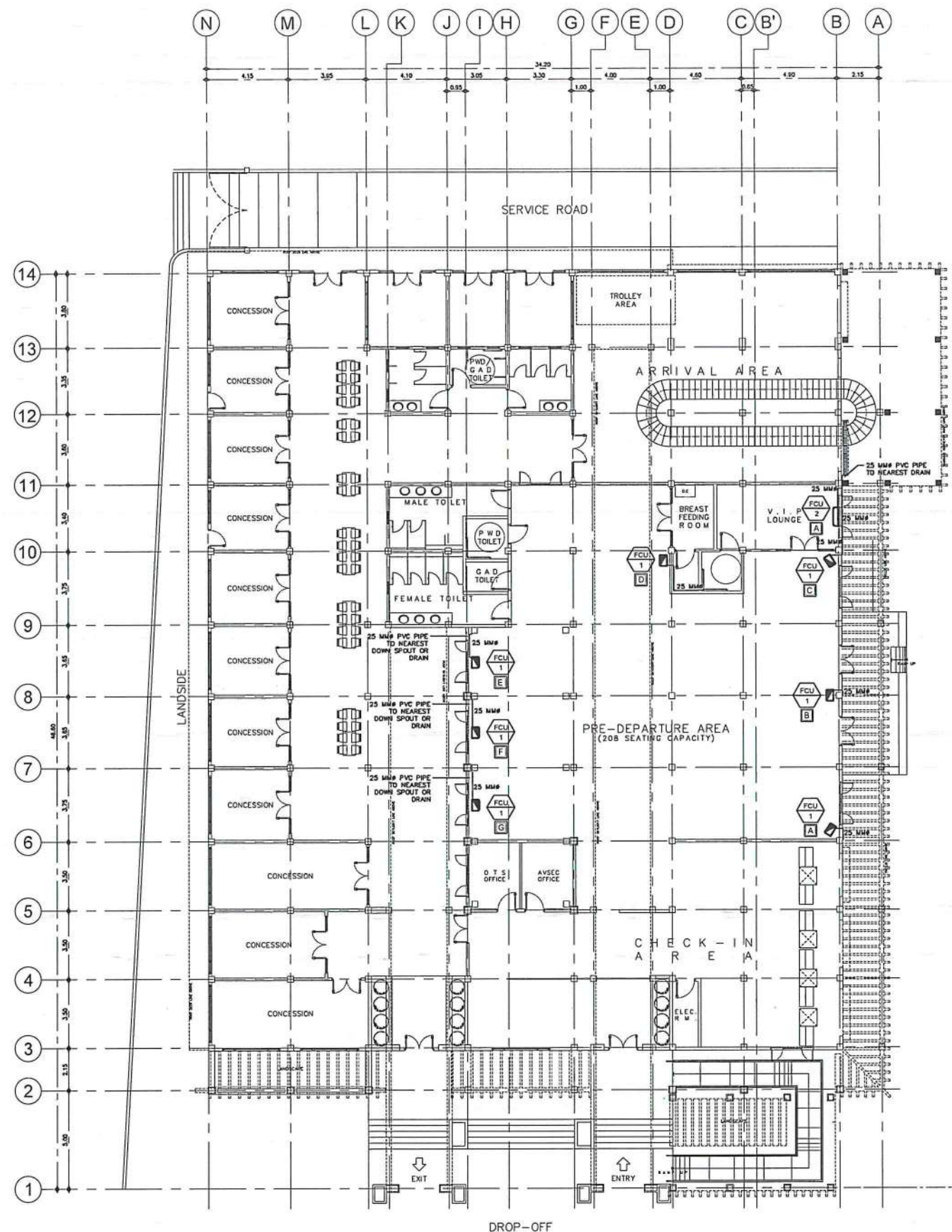
LOCATION:
 BASCO AIRPORT
 BASCO, BATANES

SHEET CONTENTS:
 PARTIAL AIR-CONDITIONING LAYOUT - B

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 04

LEGEND:

25 MMØ 25 MMØ PVC PIPE
(CONDENSATE DRAIN PIPE)



1 ACU CONDENSATE DRAIN PIPE LAYOUT
SCALE: 1:275M



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NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

ACU CONDENSATE DRAIN PIPE LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 05

LEGEND:

25 MMØ
25 MMØ PVC PIPE
(CONDENSATE DRAIN PIPE)



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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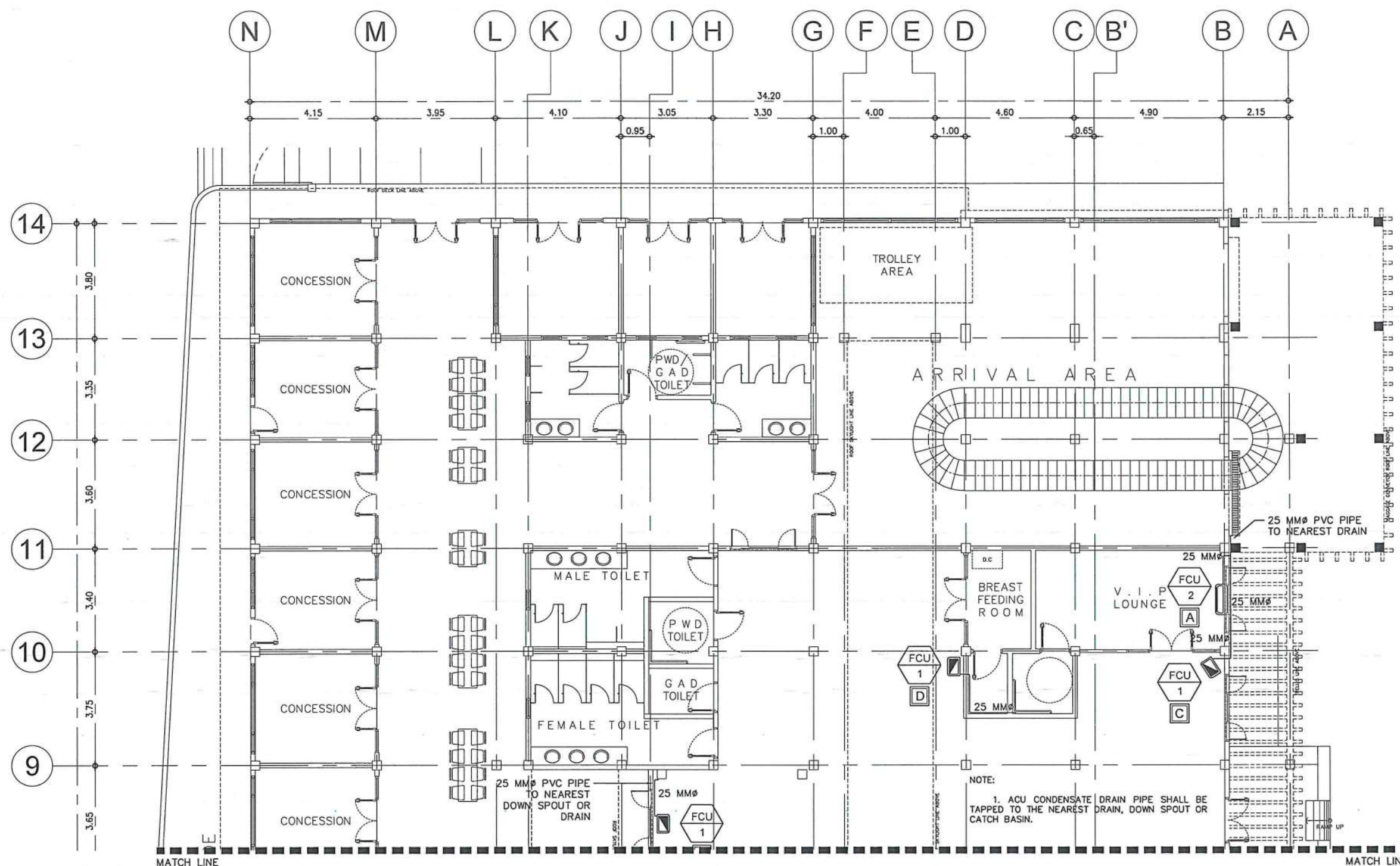
NOTES / REVISIONS:

PROJECT TITLE:
IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:
BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:
PARTIAL ACU CONDENSATE DRAIN PIPE LAYOUT - A

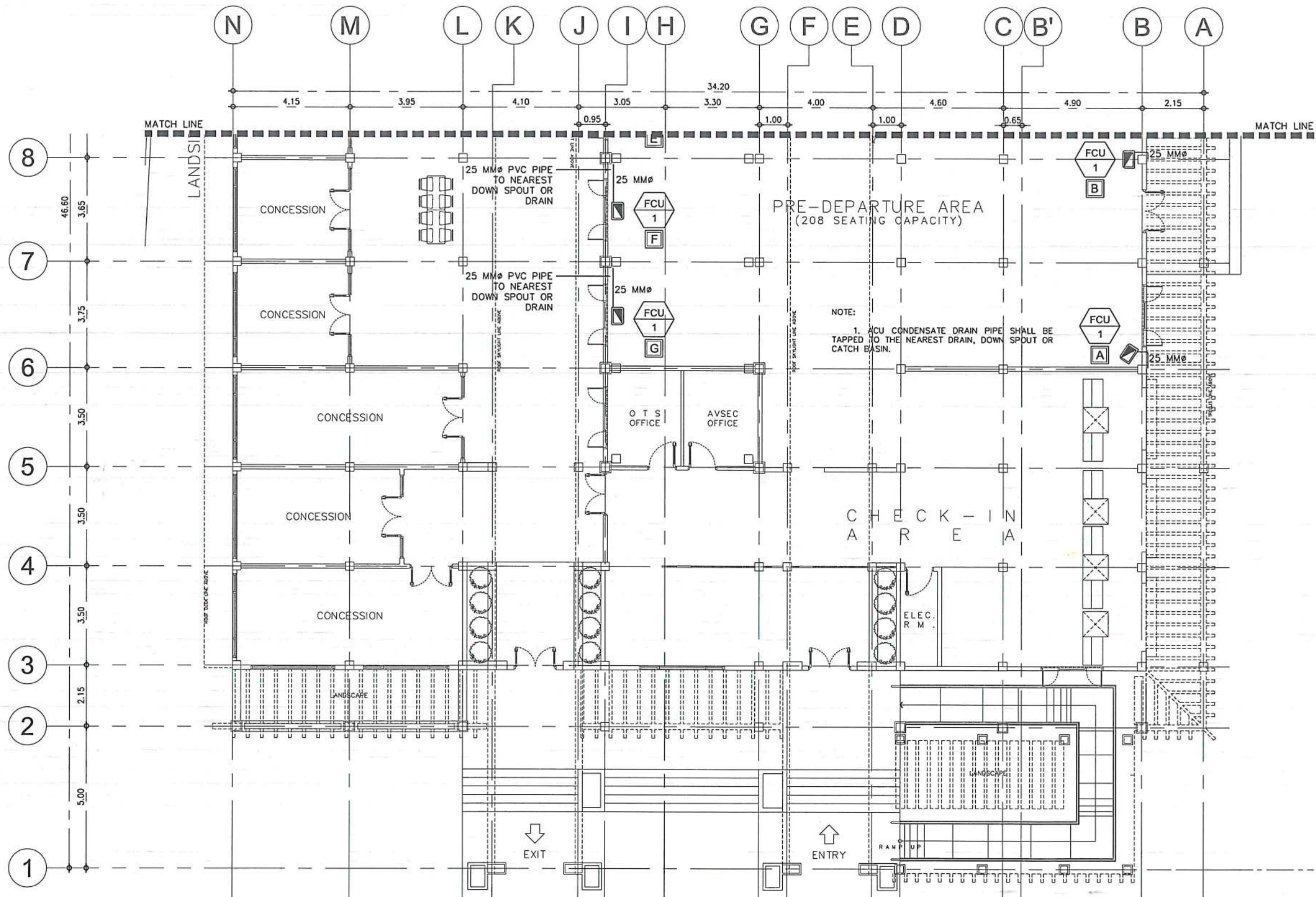
DRAWING SCALE: AS SHOWN
SHEET NO: M 06



1 PARTIAL ACU CONDENSATE DRAIN PIPE LAYOUT - A
M 06 SCALE: 1:150M

LEGEND:

25 MMØ 25 MMØ PVC PIPE
(CONDENSATE DRAIN PIPE)



1 PARTIAL ACU CONDENSATE DRAIN PIPE LAYOUT - B
M 07 SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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PROJECT TITLE:

IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

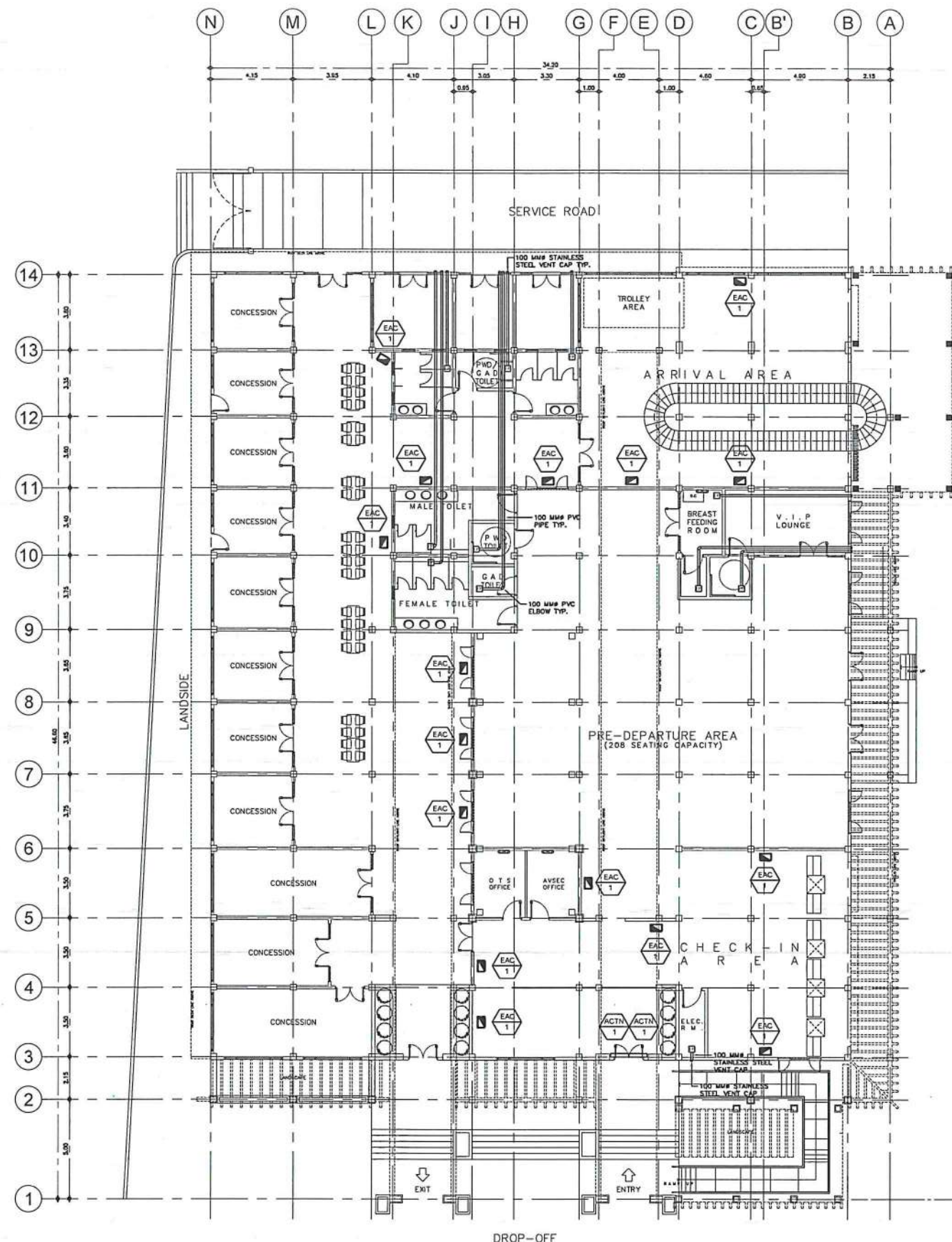
PARTIAL ACU CONDENSATE DRAIN PIPE LAYOUT - B

DRAWING SCALE: SHEET NO:

AS SHOWN M 07

LEGEND:

-  EVAPORATIVE AIR COOLER, HEAVY DUTY TYPE, FLOOR STANDING WITH CASTER WHEELS AND COMPLETE ACCESSORIES (REMOTE CONTROL, AUTO SHUT-OFF WATER PUMP, WATER SUPPLY INLET)
 POWER: 350 WATTS
 AIRFLOW: 6,000 M³/HR
 WATER TANK CAPACITY: 40 LITERS
-  18" WALL FAN W/ PULL STRING, 220-230V, 60Hz
-  12" CEILING MOUNTED EXHAUST FAN
-  36" AIR CURTAIN W/ COMPLETE ACCESSORIES



1 VENTILATION LAYOUT
 SCALE: 1:275M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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PROJECT TITLE:
 IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

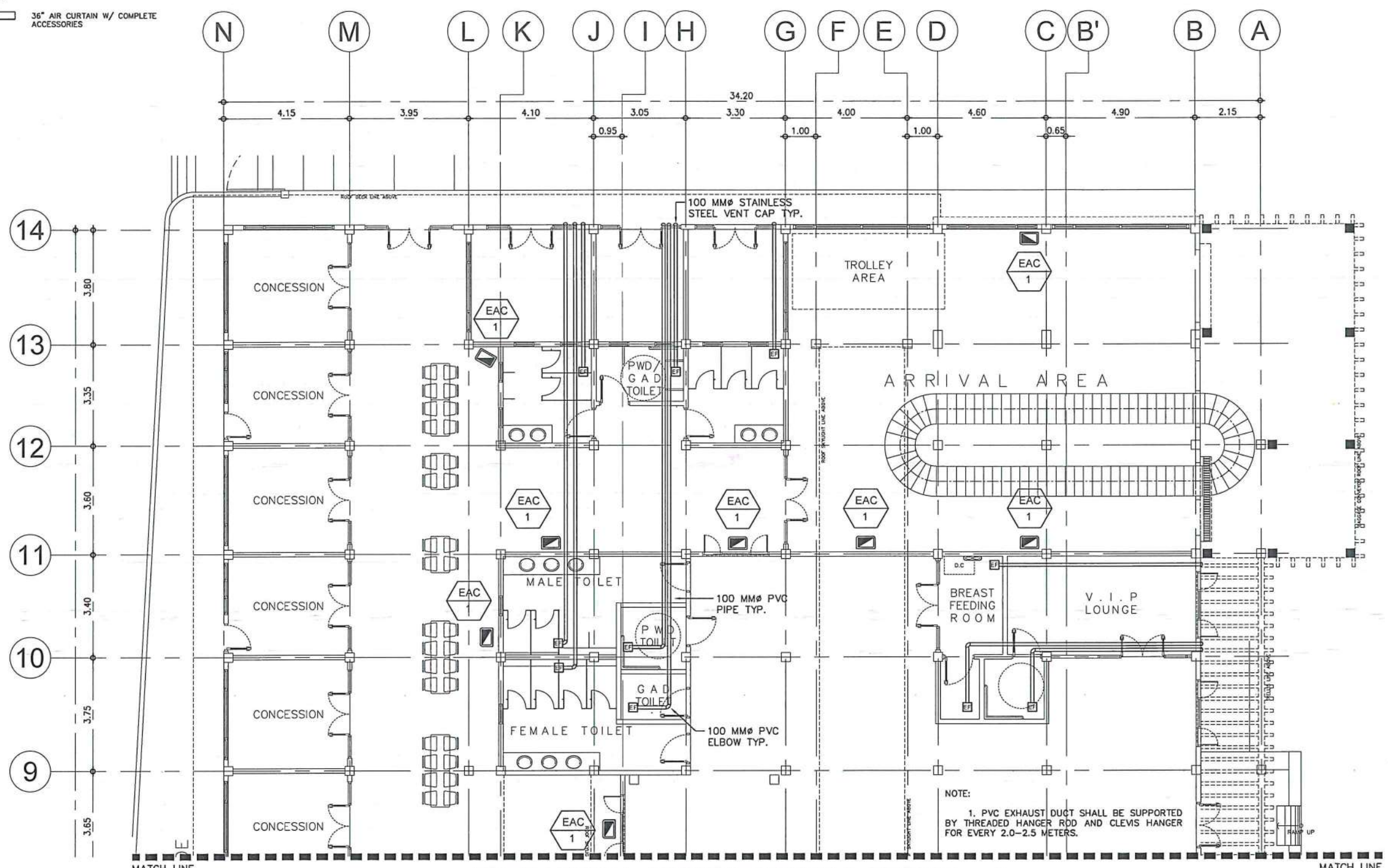
LOCATION:
 BASCO AIRPORT
 BASCO, BATANES

SHEET CONTENTS:
 VENTILATION LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 08

LEGEND:

-  EVAPORATIVE AIR COOLER, HEAVY DUTY TYPE, FLOOR STANDING WITH CASTER WHEELS AND COMPLETE ACCESSORIES (REMOTE CONTROL, AUTO SHUT-OFF WATER PUMP, WATER SUPPLY INLET) POWER: 350 WATTS AIRFLOW: 8,000 M3/HR WATER TANK CAPACITY: 40 LITERS
-  18" WALL FAN W/ PULL STRING, 220-230V, 60Hz
-  12" CEILING MOUNTED EXHAUST FAN
-  36" AIR CURTAIN W/ COMPLETE ACCESSORIES



1 PARTIAL VENTILATION LAYOUT - A
M 09 SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

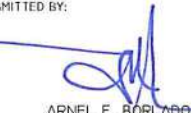
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LOCATION:

BASCO AIRPORT
BASCO, BATANES

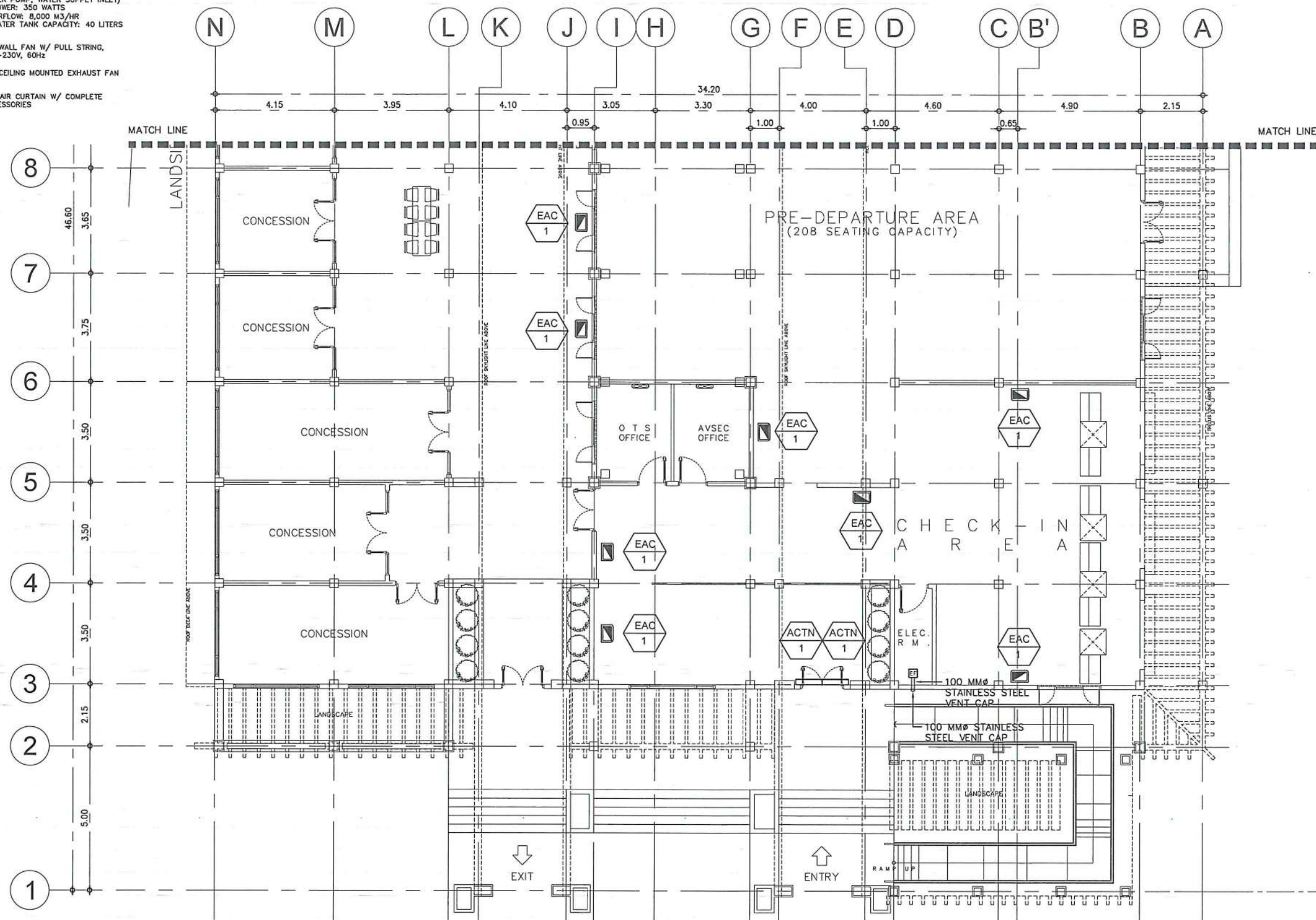
SHEET CONTENTS:

PARTIAL VENTILATION LAYOUT - A

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 09

LEGEND:

-  EVAPORATIVE AIR COOLER, HEAVY DUTY TYPE, FLOOR STANDING WITH CASTER WHEELS AND COMPLETE ACCESSORIES (REMOTE CONTROL, AUTO SHUT-OFF WATER PUMP, WATER SUPPLY INLET) POWER: 350 WATTS AIRFLOW: 8,000 M3/HR WATER TANK CAPACITY: 40 LITERS
-  18" WALL FAN W/ PULL STRING, 220-230V, 60Hz
-  12" CEILING MOUNTED EXHAUST FAN
-  36" AIR CURTAIN W/ COMPLETE ACCESSORIES



1 PARTIAL VENTILATION LAYOUT - B
SCALE: 1:150M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: IDDD
DRAWN BY: JCMC
CHECKED BY: RUAJR

REVIEWED BY:

RAUL R. CRUCENA
DIVISION CHIEF III, IDDD-ADMS

SUBMITTED BY:

ARNEL F. BORLADO
DEPARTMENT MANAGER III, AED-ADMS

RECOMMENDED APPROVAL:

LT COL. VALENTINO A. DIONELA PAF (RET)
ASSISTANT DIRECTOR GENERAL II, ADMS

APPROVED:

CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

NOTES / REVISIONS:

PROJECT TITLE:

IMPROVEMENT/EXPANSION OF PASSENGER TERMINAL BUILDING

LOCATION:

BASCO AIRPORT
BASCO, BATANES

SHEET CONTENTS:

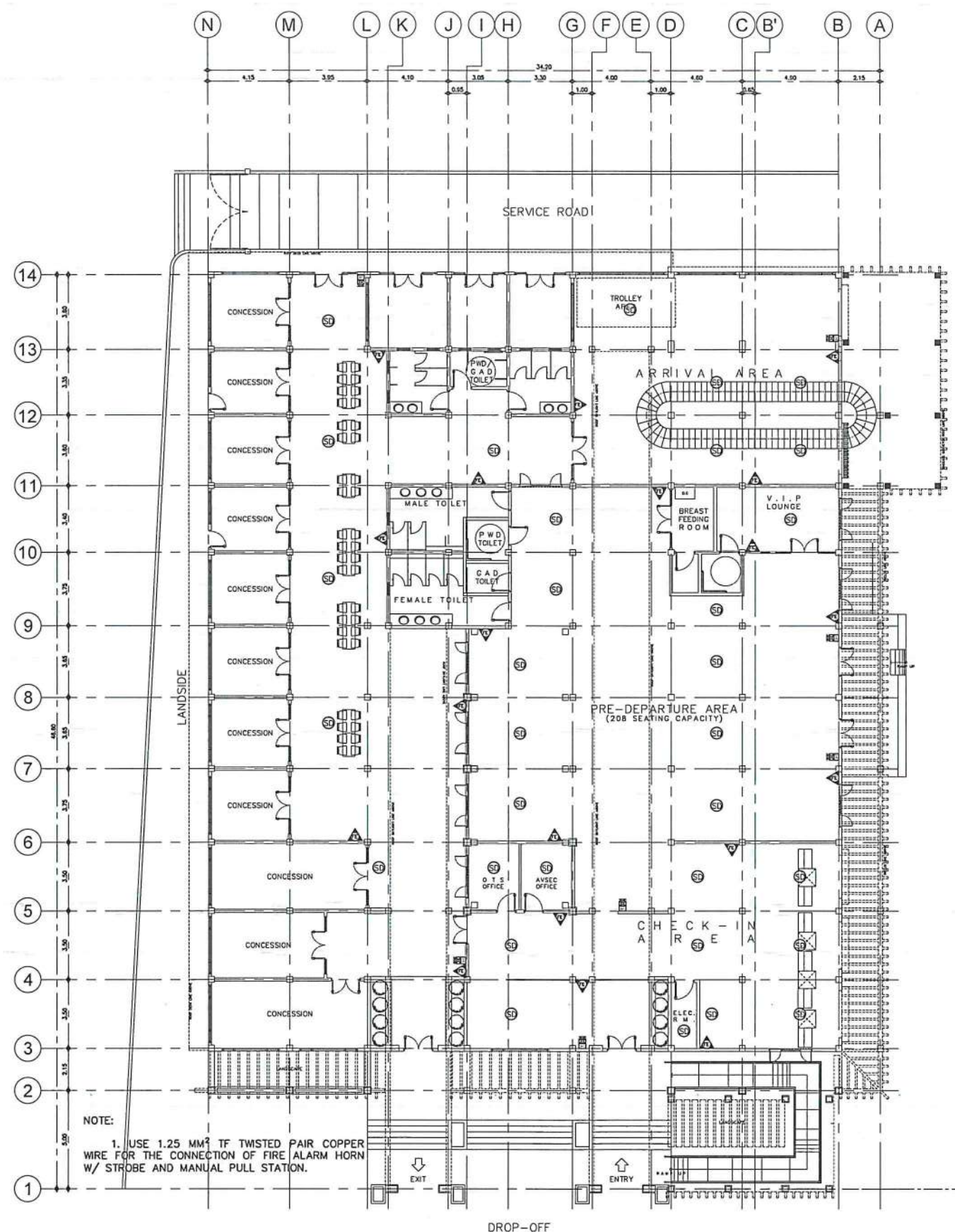
PARTIAL VENTILATION LAYOUT - B

DRAWING SCALE: SHEET NO:

AS SHOWN M 10

LEGEND:

-  SMOKE DETECTOR W/ ALKALINE BATTERIES
-  FIRE ALARM HORN W/ STROBE
-  MANUAL PULL STATION
-  10 LBS DRY CHEMICAL PORTABLE FIRE EXTINGUISHER W/ WALL HANGER



1 FDAS & FIRE EXTINGUISHER LAYOUT
SCALE: 1:275M



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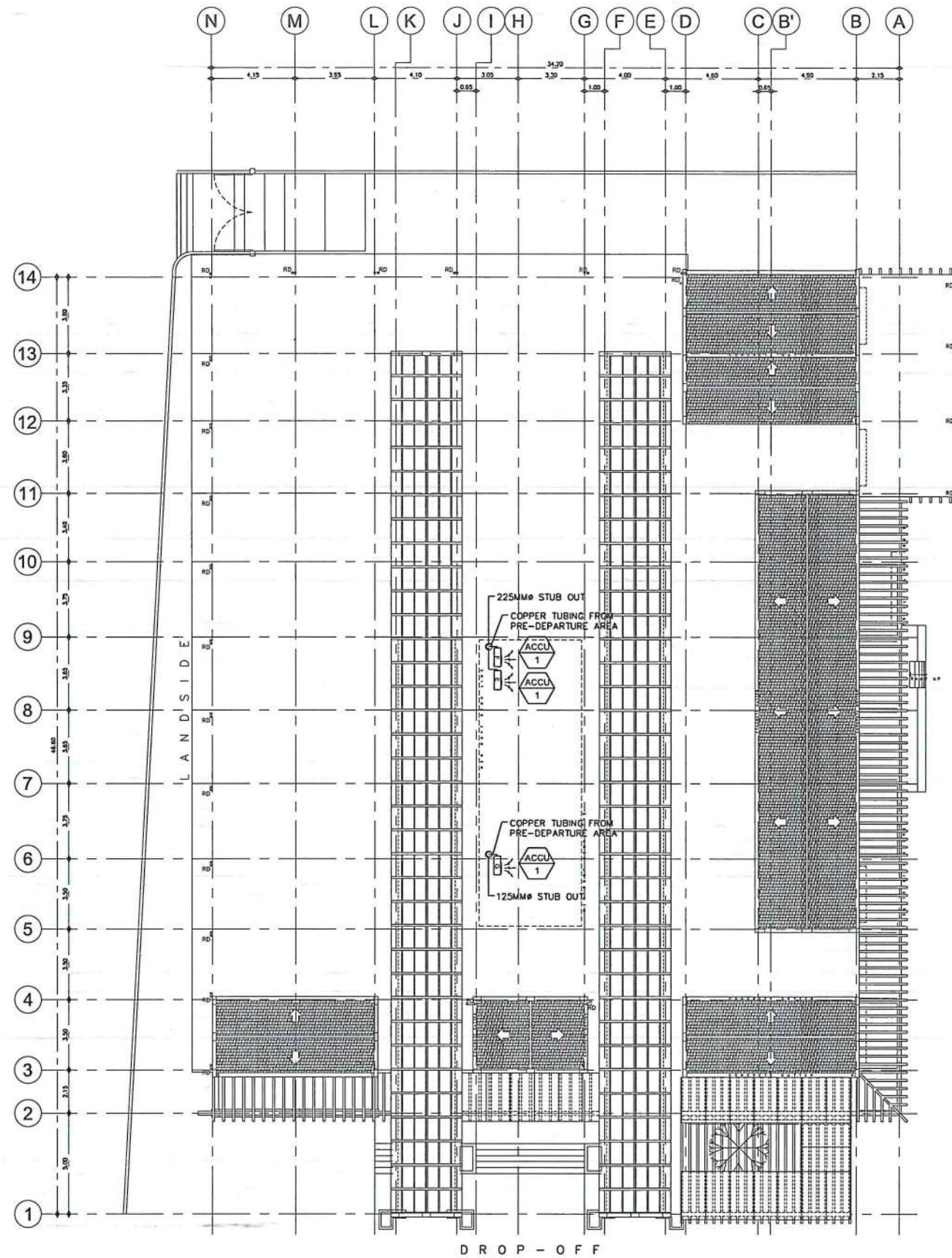
SHEET CONTENTS:

FDAS & FIRE EXTINGUISHER LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 11

LEGEND:

-  FLOOR STANDING TYPE FAN COIL UNIT (FCU)
-  WALL MOUNTED TYPE FAN COIL UNIT (FCU)
-  AIR COOLED CONDENSING UNIT (ACCU)



1 ROOF DECK AIR-CONDITIONING LAYOUT
SCALE: 1: 275M



CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
BAGONG BAYAN, PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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SHEET CONTENTS:

ROOF DECK AIR-CONDITIONING LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	M 12