



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION III
OFFICE OF THE REGIONAL DIRECTOR

PROJECT NAME AND LOCATION:

**CONSTRUCTION OF
MULTI-PURPOSE BUILDING**
INGENIOUR CLASSON SUNDSTEN & STEN LUNDQVIST

TRUSS DETAILS

ENCODER
JAMMER M. SAELKE

REVIEWED:

SUBMITTED

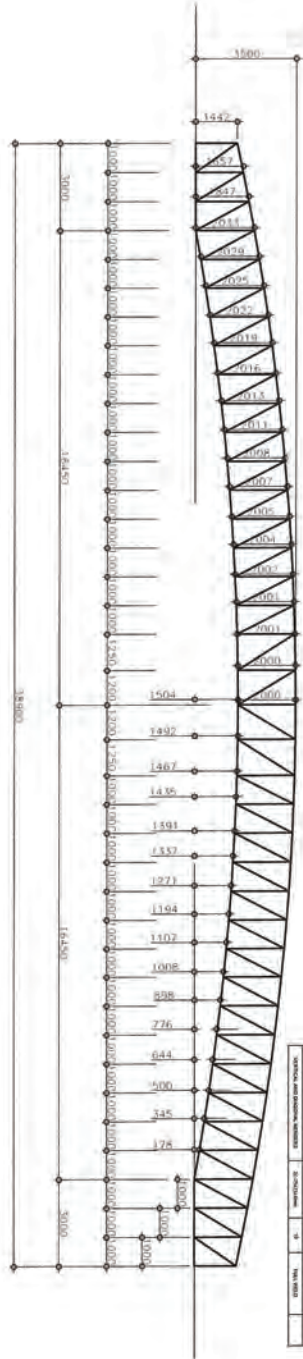
RECOMMENDATION

APPROVED _____

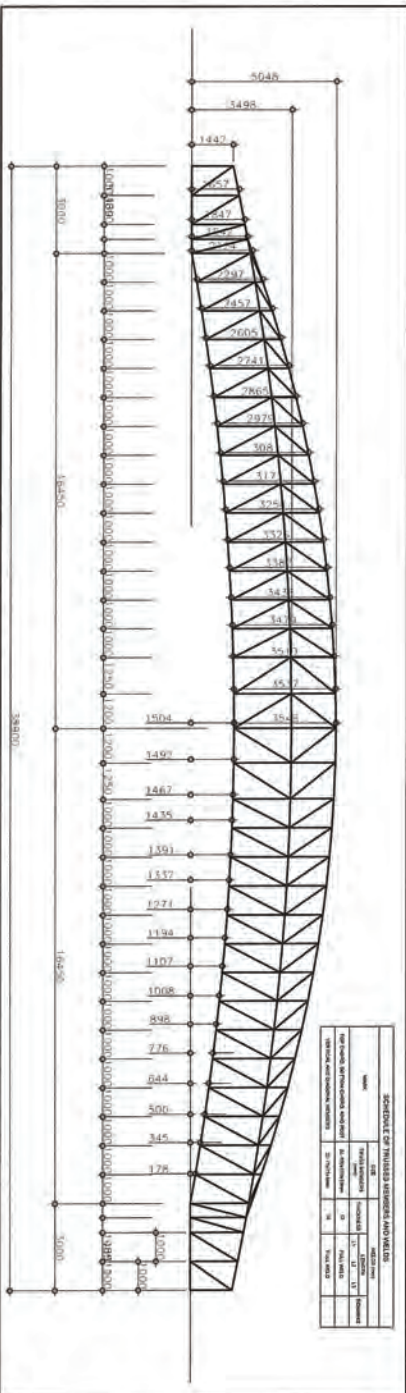
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SET NO.

SHEET NO.



1 TRUSS DETAILS (T-1)



2 TRUSS DETAILS (T-2)

[illegible]

SCHEMATIC OF TRANSFUSION MATERIALS AND METHODS					
Source	RBC	WBC (mm ³)			
		Transfusion	Control	LT	LT
Red Cross, Western Canada and other	100	100	100	100	100
100 mL and 200 mL aliquots	100	100	100	100	100



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
REGION III
OFFICE OF THE REGIONAL DIRECTOR

SINDALAY, CITY OF SAN FERNANDO, PAMPANGA

CONSTRUCTION OF MULTI-PURPOSE BUILDING

WALL FOOTING DETAILS
SLAB ON GRADE DETAILS
RAMP DETAILS
STAIRCASE STAIR ENTRY DETAILS
TYPICAL STAIR DETAILS

ENGINEER II

PREPARED BY: *John E. Dimarbut*

JOHN EDEL G. DIMARBUT

C. COLLEGE, INC.

weaver
CARLINA C. GAZO
SECTION CHIEF, BRIDGES & OTHER

ARTHUR O. SANTOS
CHIEF, PLANNING AND DESIGN DIVISION

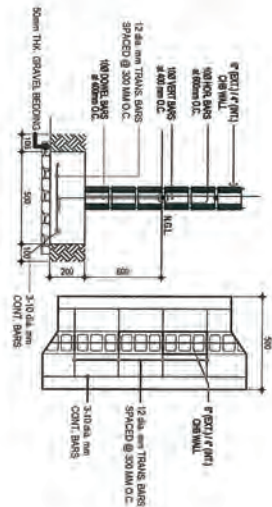
MELQUIADES H. STO. DOMINGO
ASSISTANT REGIONAL DIRECTOR

ROSSELLER A. TOLENTINO
REGIONAL DIRECTOR

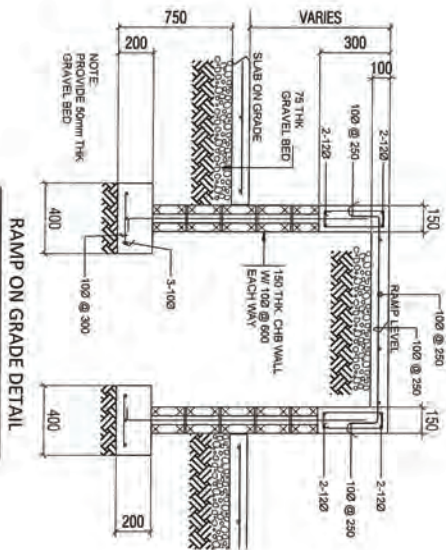
John
DR. ROY N. VILLALOBOS
UNIVERSITY PRESIDENT
PO BOX 9770 RANCHO MARIETTA, GA 30128

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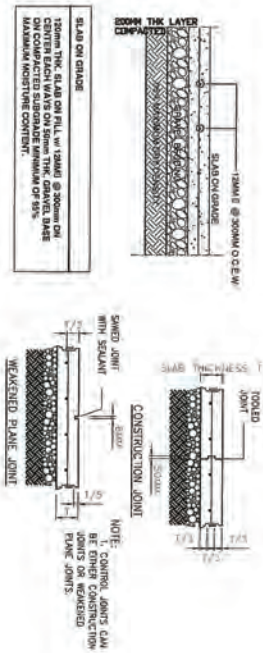
S-28 SCALE



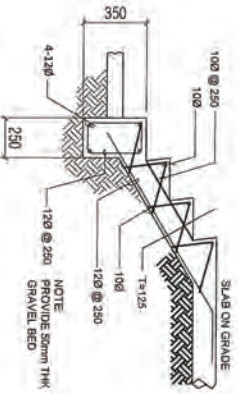
S-28 SCALE:



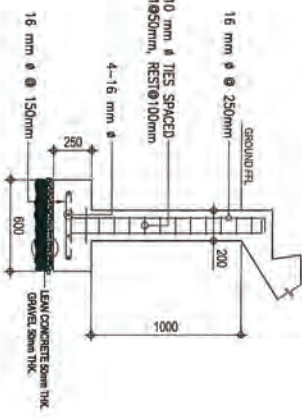
S-28 SCALE



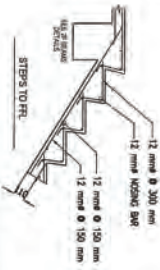
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S-28 SCALE:



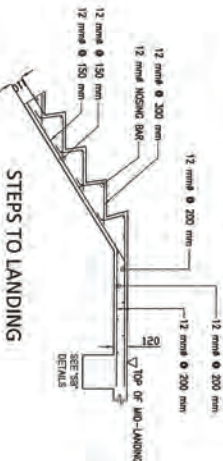
S-28 SCALE



STEPS TO 2ND FLOOR



STEPS TO LANDING



GENERAL NOTES:

1. ALL ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE W/ THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, LAWS AND ORDINANCES OF THE LOCAL CODE ENFORCING AUTHORITIES.
2. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER SUPERVISION OF LICENSED ELECTRICAL ENGINEER.
3. ALL FEEDERS AND BRANCH CIRCUITS SHALL BE INSTALLED AS INDICATED ON PLANS. INDIVIDUAL BRANCH CIRCUIT HOMERUNS SHALL NOT BE COMBINED IN THE SAME RACEWAY.
4. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND SHALL BE INSTALLED IN APPLICATIONS FOR WHICH THEY ARE INTENDED.
5. UNLESS REQUIRED BY FIELD CONDITIONS, MOUNTING HEIGHT SHALL BE AS FOLLOWS:
 POWER AND LIGHTING PANEL 1.5M ABOVE FLOOR FINISH/SURFACE
 CONTROL SWITCHES 1.4M ABOVE FLOOR FINISH/SURFACE
 TELEPHONE AND CATV OUTLET 0.3M ABOVE FLOOR FINISH/SURFACE
 CONVENIENCE OUTLET 0.3M ABOVE FLOOR FINISH/SURFACE
6. STANDARD TYPES OF ACCESSORIES, SPlicing DEVICES TERMINATION AND APPURTENANCES SHALL BE USED FOR THE ENTIRE ELECTRICAL INSTALLATION.
7. PULL BOXES WHICH ARE NECESSARY TO FACILITATE WIRE PULLINGS SHALL BE PROVIDED BY THE IMPLEMENTOR EVEN THOUGH THEY ARE NOT INDICATED ON PLANS.
8. THE CONTRACTOR SHALL SECURE ALL PERMITS AND PAY ALL FEES REQUIRED FOR THE WORK AND SHALL FURNISH THE OWNER, FINAL CERTIFICATE OF ELECTRICAL INSPECTION AND APPROVAL OF COMPLETE WORKS FROM PROPER GOVERNMENT AUTHORITIES.

ELECTRICAL LEGENDS

	2-36W INDUSTRIAL FLORESCENT LAMP
	9W LED PIN LIGHT
	12W CFL DECORATED PIN LIGHT
	DUPLEX CONVENIENCE OUTLET (WALL MOUNTED)
	SPECIAL OUTLET
	S1 ONE GANG DEVICE SWITCH
	S2 TWO GANG DEVICE SWITCH
	S3 THREE GANG DEVICE SWITCH
	Swa THREE WAY GANG DEVICE SWITCH
	1 CIRCUIT HOMERUN
	PANEL BOARD
	HIGH BAY LIGHT
	FLOOD LIGHT 100W
	WALL LIGHT
	INDUSTRIAL WALL FAN
	WEATHERPROOF OUTLET
	CIRCULAR LIGHT
	EMERGENCY LIGHT
	STRIP LIGHT

	PROJECT NAME AND LOCATION:	SHEET CONTENTS:	PREPARED:	REVIEWED:	SUBMITTED:	RECOMMENDED:	APPROVED:	CONCURRED:	SET NO.	SHEET NO.
	CONSTRUCTION OF MULTI-PURPOSE BUILDING	GENERAL NOTES - ELECTRICAL LEGENDS	Michael Angelo D. Lopez ELECTRICAL ENGINEER DATE	CARINA RIZZO SECTION CHIEF/ENGINEER & OTHER DATE	ARTHUR D. SANTOS CHIEF, PLANNING AND DESIGN DIVISION DATE	MELODY ESTILLO DUBINSKO ASSISTANT REGIONAL DIRECTOR DATE	ROSE LEE A. MANUEL REGIONAL DIRECTOR DATE	DR. ROY N. VILLALOBOS PRESIDENT, TAWAG MANILA DATE	1	10



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
SIPOLAN, CITY OF SAN FERNANDO, PAMPANGA

CONSTRUCTION OF
MULTI-PURPOSE BUILDING
(REPLACING EXISTING BUILDING)

SHEET CONTENTS:
- LOWER AREA LIGHTING
LAYOUT

PREPARED BY:
MICHAEL ANGELO O. LAGMAN
DATE: 05/14/20

REVIEWED BY:
DARIN O. GAZO
SECTION CHIEF & OTHER
DATE: 05/14/20

SUBMITTED BY:
ARTURO D. SANTOS
CHIEF (TRAINING AND DESIGN DIVISION)
DATE: 05/14/20

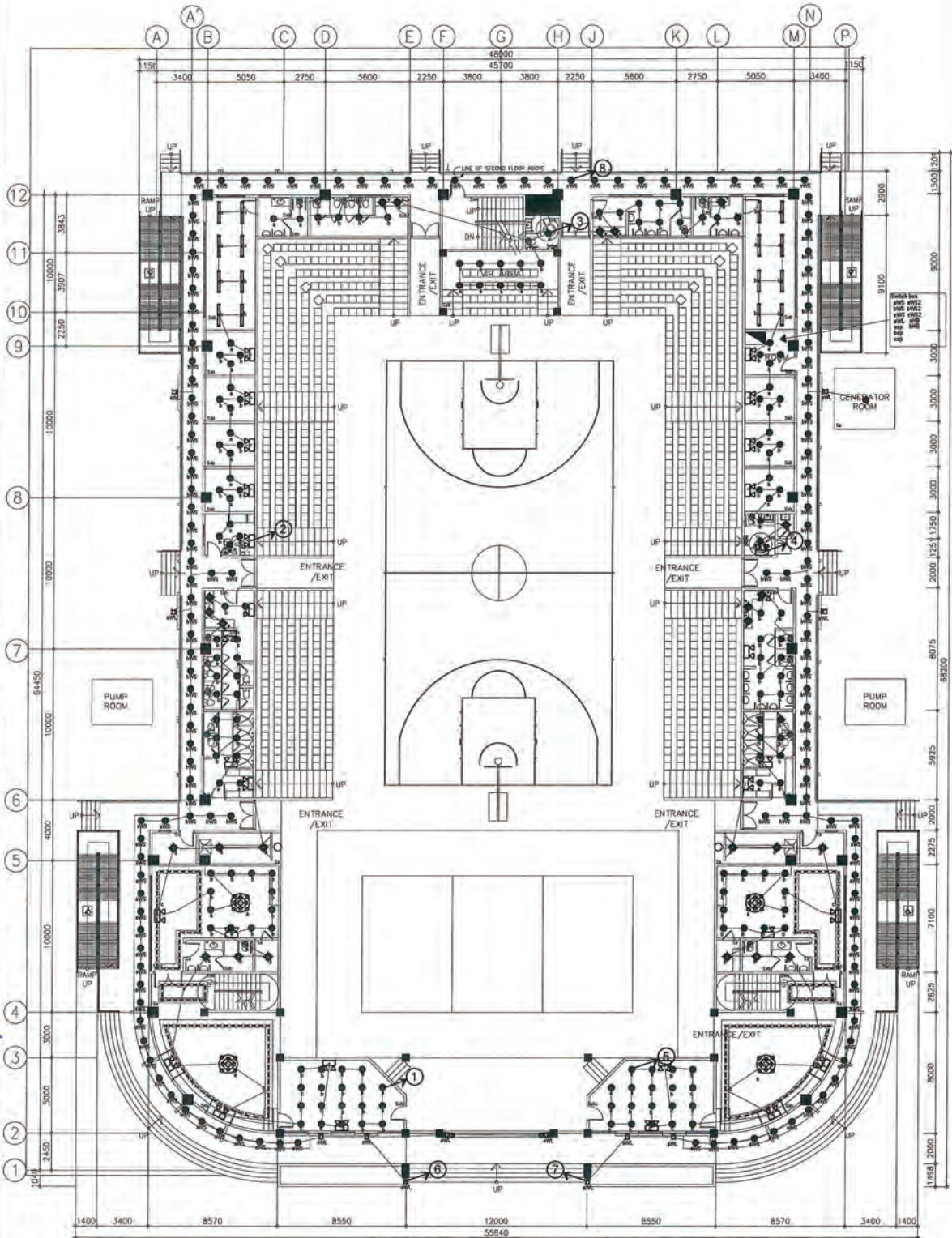
RECOMMENDED BY:
MEYER G. H. SPO. DOMINGO
REGIONAL DIRECTOR
DATE: 05/14/20

APPROVED BY:
ROSEMARIA M. PUNTO
REGIONAL DIRECTOR
DATE: 05/14/20

CONCURRED BY:
DR. ROY N. VILLALOBOS
PRESIDENT, PAMPANGA STATE
UNIVERSITY PRESIDENT
DATE: 05/14/20

SHEET NO.
E

SHEET NO.
2



1 LOWER AREA LIGHTING LAYOUT
E - 2 SCALE: NTS.

SCOPE OF WORK: PIPING/CONDUIT WORKS ONLY



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
BIDJAL CITY OF SAN FERNANDO, PAMPANGA

PROJECT NAME AND LOCATION:
CONSTRUCTION OF
MULTI-PURPOSE BUILDING
RECTORIA DE SAN FERNANDO

SHEET CONTENTS:
- UPPER AREA LIGHTING
LAYOUT

PREPARED:
MICHAEL ANGELO O. LAGUANA
DATE: 000001

REVIEWED:
CARINA C. JAZO
SECTION CHIEF & OTHER
DATE: 000001

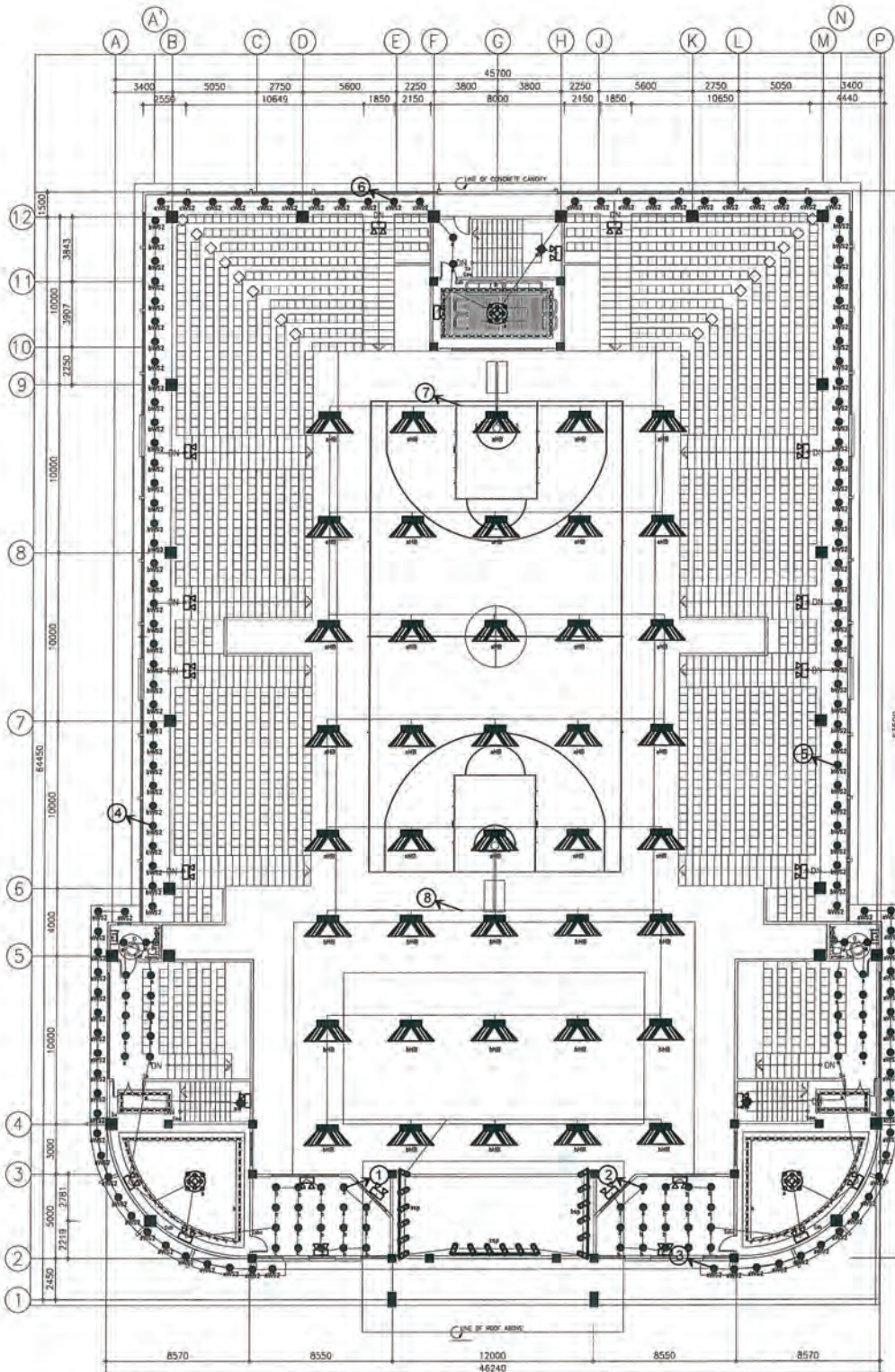
SUBMITTED:
ARTHUR D. SANTOS
CHIEF PLANNING AND DESIGN DIVISION
DATE: 000001

RECOMMENDED:
WELDON A. STO. DOMINGO
ASSISTANT REGIONAL DIRECTOR
DATE: 000001

APPROVED:
ROSEMARY T. TINGITINO
REGIONAL DIRECTOR
DATE: 000001

CONCURRED:
DR. ROYAL M. LALLA OROS
PRESIDENT, PAMPANGA UNIVERSITY
DATE: 000001

SHEET NO.
E
3



1
E-3

UPPER AREA LIGHTING LAYOUT

SCALE:

NTS.

SCOPE OF WORK: PIPING/CONDUIT WORKS ONLY



DEPARTMENT OF THE PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
REGION III
MARIKINA CITY, SAN FERNANDO, PAMPANGA

PROJECT NAME AND LOCATION:
CONSTRUCTION OF
MULTI-PURPOSE BUILDING
(RECONSTRUCTION OF EXISTING BUILDING)

SHEET CONTENTS:
- LOWER AREA POWER LAYOUT

PREPARED:
MICHAEL ANGELO D. DEGEN
MICHAEL ANGELO D. LAGMAN
ELECTRICIAN

REVIEWED:
CARLINO G. GAZO
SECTION CHIEF & OTHER
PUBLIC WORKS

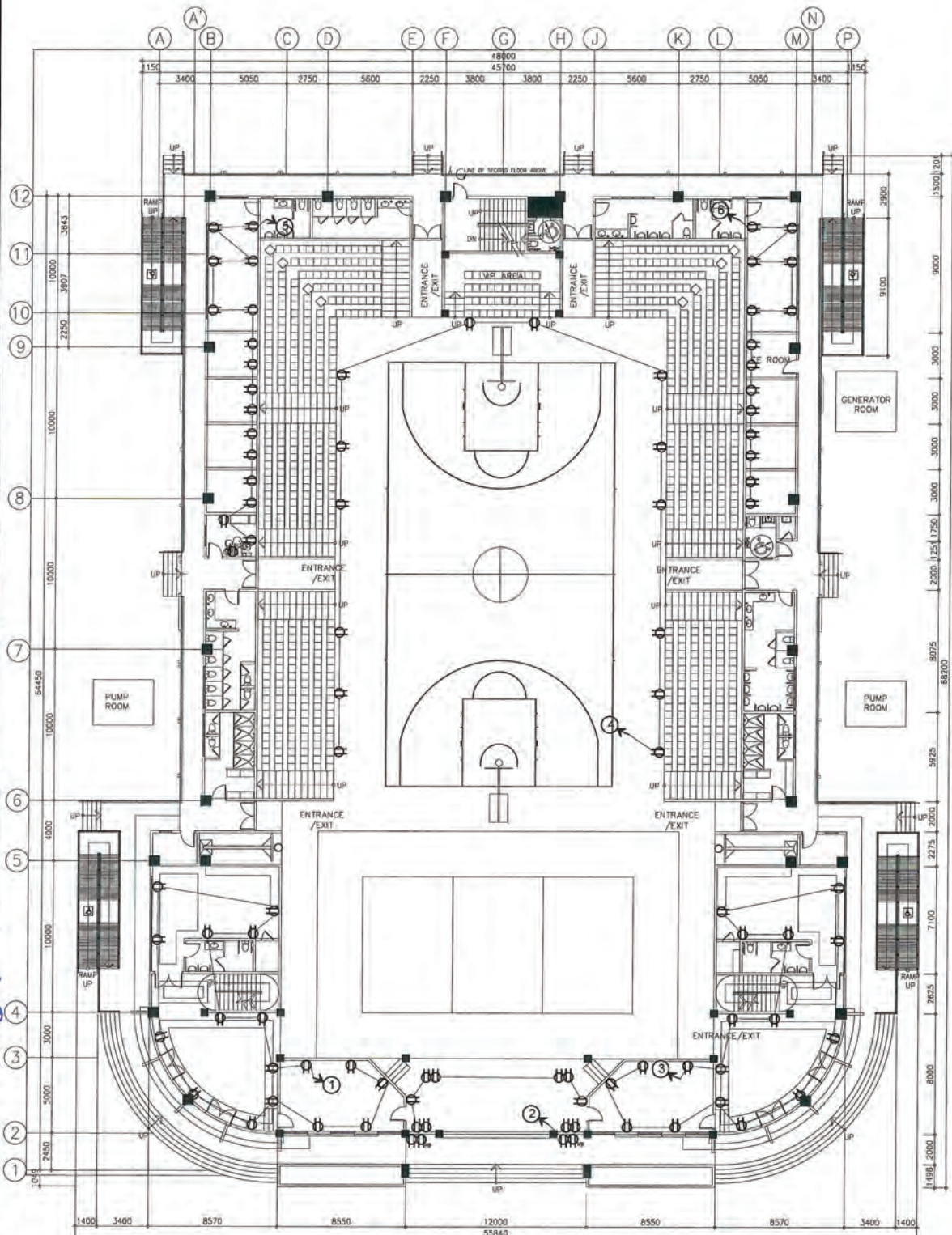
SUBMITTED:
ARTHUR D. SANTOS
CHIEF / CHAIRMAN AND DESIGN DIVISION
DATE: 04/05/2024

RECOMMENDED:
MICHAEL ANGELO D. DEGEN
ASSISTANT REGIONAL DIRECTOR

APPROVED:
ROSALBA V. ENAYAKO
REGIONAL DIRECTOR

CONCURRED:
DR. JOY A. VILLALBA
PRESIDENT, MARICOPA
SANTA VICTORIA
DATE: 04/05/2024

SHEET NO.
E-4
10



1 LOWER AREA POWER LAYOUT
E-4 SCALE: NTS.

SCOPE OF WORK: PIPING/CONDUIT WORKS ONLY



REGION III
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
DIVISION CITY OF SAN FERNANDO, PANGASINAN

PROJECT NAME AND LOCATION:
CONSTRUCTION OF
MULTI-PURPOSE BUILDING
(San Fernando City, Pangasinana)

SHEET CONTENTS:
- UPPER AREA POWER LAYOUT

PREPARED:
MICHAEL ANGELO B. LAGUNA
ELECTRICAL ENGINEER
DATE: 05/05/2020

REVIEWED:
CARLOS O. LACAYO
SECTION CHIEF, ELECTRICAL & OTHER
PUBLIC WORKS
DATE: 05/05/2020

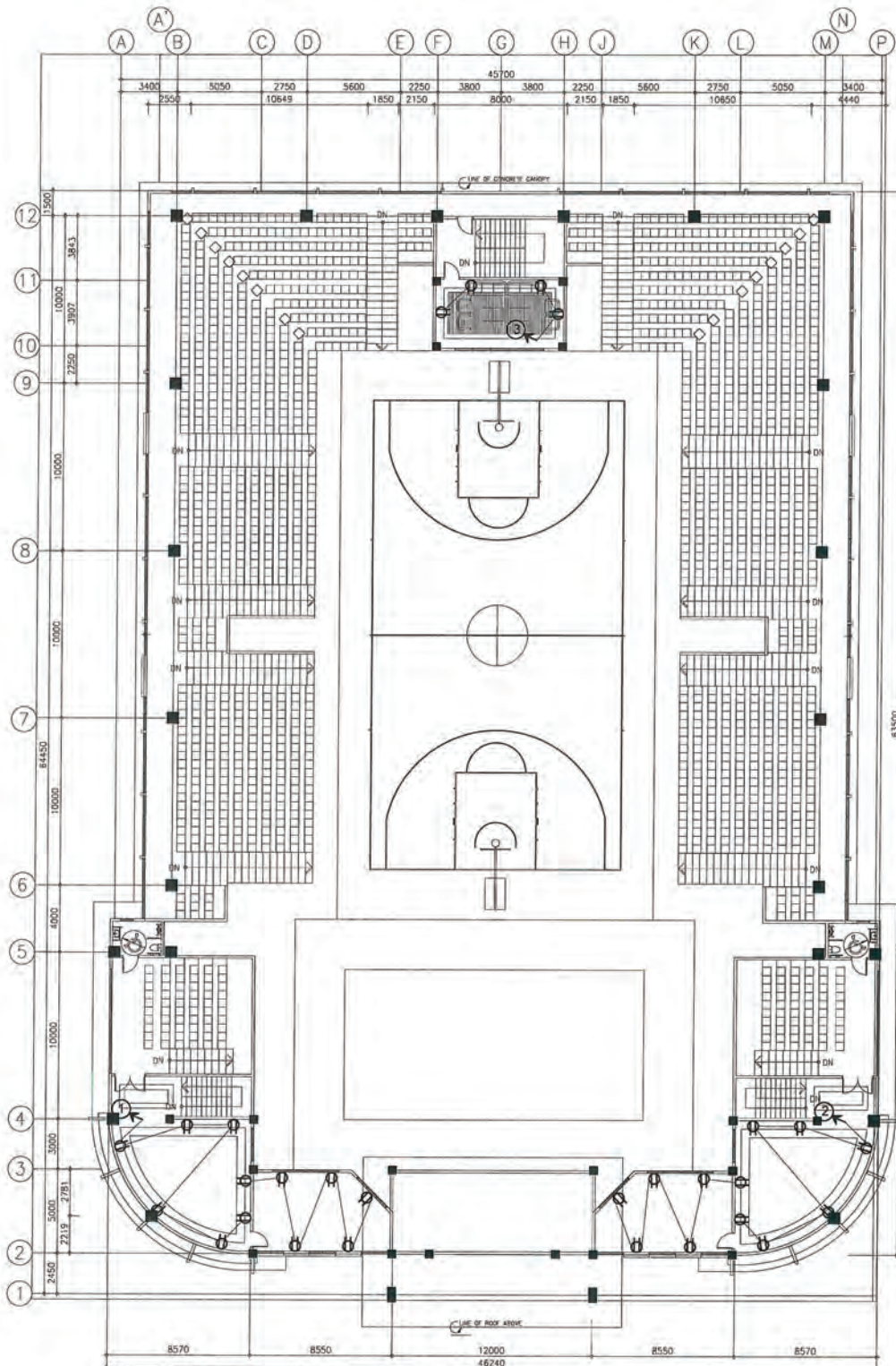
SUBMITTED:
ARTURO SANTOS
CHIEF, PLANNING AND DESIGN DIVISION
DATE: 05/05/2020

RECOMMENDED:
MELODY MARIE V. SOTO DOMINGO
ASSISTANT REGIONAL DIRECTOR
DATE: 05/05/2020

APPROVED:
ROSELLE L. DOMINIANO
REGIONAL DIRECTOR
DATE: 05/05/2020

CONCLUDED:
DR. ROSELLE L. DOMINIANO
PRESIDENT, PUBLIC WORKS AND HIGHWAYS
DIVISION CITY OF SAN FERNANDO
DATE: 05/05/2020

SHEET NO.
E
SHEET NO.
10



1 UPPER AREA POWER LAYOUT
E - 5 SCALE: NTS.

SCOPE OF WORK: PIPING/CONDUIT WORKS ONLY



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
MANILA, CITY OF SAN FERNANDO, PAMPANGA

PROJECT NAME AND LOCATION:
CONSTRUCTION OF
MULTI-PURPOSE BUILDING
(Multi-Purpose Building and Gymnasium)

SHEET CONTENTS:
- LOWER AREA ACCU POWER
LAYOUT

PREPARED:
MICHAEL ANGELO O. LABRADOR
ENGINEER

REVIEWED:
CARLOS ANTONIO O. LABRADOR
SECTION IN CHARGE & OTHER
PUBLIC WORKS

SUBMITTED:
ASTRINO SANTOS
CHIEF PLANNING AND DESIGN DIVISION
ASSISTANT REGIONAL DIRECTOR

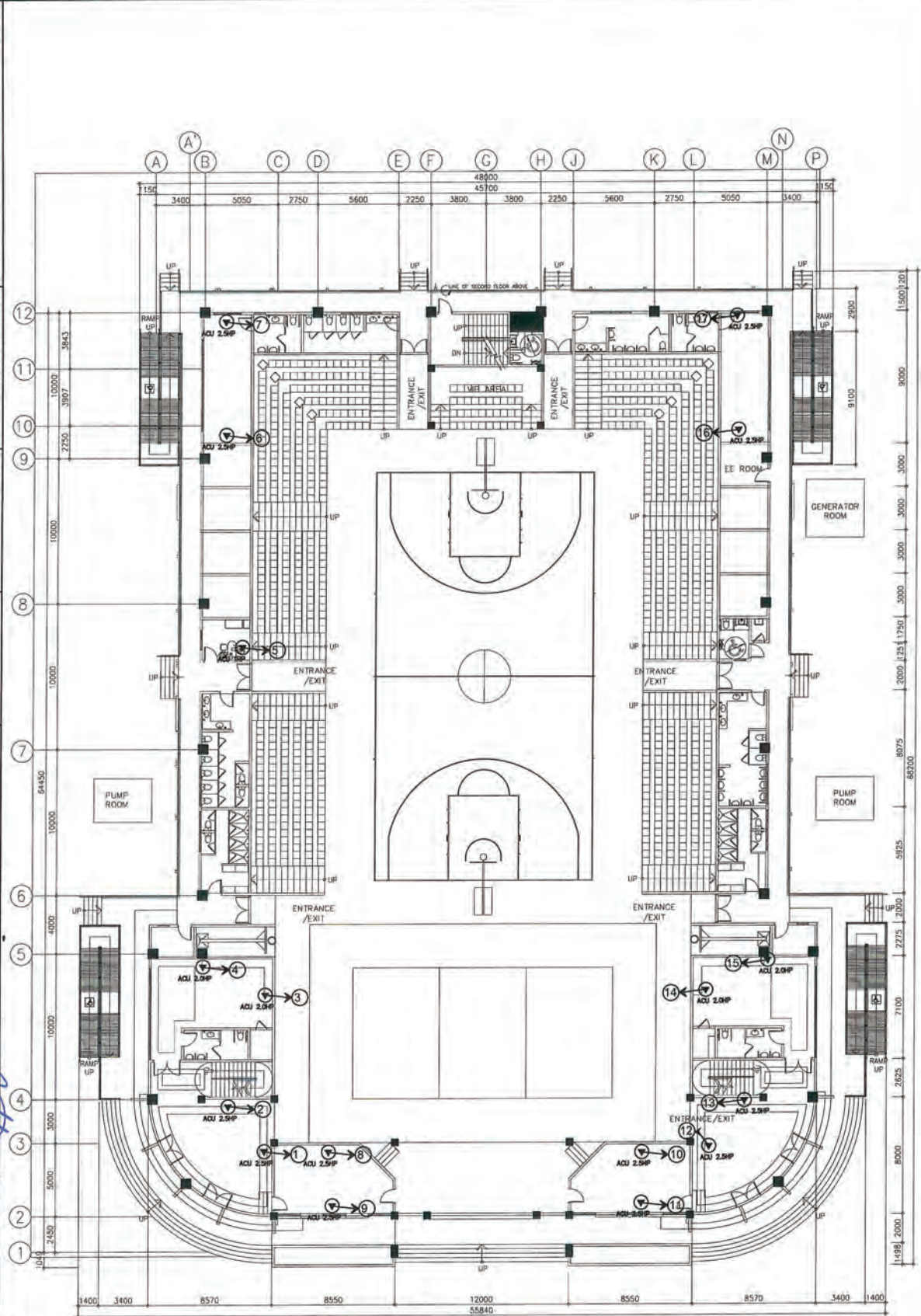
RECOMMENDED:
MELBA MARIE H. SOTO DOMINCO
ASSISTANT REGIONAL DIRECTOR

APPROVED:
ROSELLE MARIE VILLALBA
REGIONAL DIRECTOR

CONCURRED:
DR. ROY AL VILLALBA
PRESIDENT
UNIVERSITY PRESIDENT
MANILA, CITY OF SAN FERNANDO

SET NO.
E

SHEET NO.
6



1
E-6

LOWER AREA ACCU POWER LAYOUT

SCALE:

NTS.

SCOPE OF WORK: PIPING/CONDUIT WORKS ONLY



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
BIDJUAN CITY OF SAN FERNANDO, PAMPANGA

PROJECT NAME AND LOCATION:
MULTI-PURPOSE BUILDING
WATERBURY HIGHWAY, SAN FERNANDO

SHEET CONTENT:
- SCHEDULE OF LOADS

PREPARED:
MICHAEL ANGELO D. LAGIDAN
ENGINEER

REVIEWED:
CARLOS R. BAZO
SECTION CHIEF, BRIDGES & OTHER
PUBLIC WORKS

SUBMITTED:
ARTHUR L. SANTOS
CHIEF, PLANNING AND DESIGN DIVISION

RECOMMENDED:
MICHAEL ANGELO D. LAGIDAN
ASSISTANT REGIONAL DIRECTOR

APPROVED:
ROSEMARY A. GARCIA
REGIONAL DIRECTOR

CONCLUDED:
DR. ROY N. VILLALBA
UNIVERSITY PROFESSOR
STATE UNIVERSITY

SET NO.
8
SHEET NO.
10

SCHEDULE OF LOADS (LPI-1)									
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	EA	P	SIZE OF WIRE & CONDUIT
1	LPI-1	1600	240	21	21	60	AT	3P	3-14mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC
2	LCD-1	2400	240	32	32	75	AT	3P	3-16mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC
3	ACU-1	59500	240	88	92	80	225	AT	3-100mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC
4	VP	4238	240	9	48	4	40	AT	3-16mm ² THHN WIRES IN 20mm dia. UPVC
895X DIF	1.728X35359/240X353+10.25	103138	150	148	137	325	AT	3P	3-200mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC

SCHEDULE OF LOADS (CON-1)									
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	EA	P	SIZE OF WIRE & CONDUIT
1	CONVENIENCE OUTLET	2500	230	10			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
2	CONVENIENCE OUTLET	2500	230	10			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
3	CONVENIENCE OUTLET	2500	230	12			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
4	CONVENIENCE OUTLET	2500	230	12			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
5	CONVENIENCE OUTLET	2500	230	12			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
6	CONVENIENCE OUTLET	2500	230	10			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
7	SPACE	2500	230	10			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
8	SPACE	2500	230	10			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
9	SPACE	2500	230	10			40	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
10	SPACE	2500	230	10			40	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
11	SPACE	2500	230	10			40	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
12	SPACE	2500	230	10			40	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
895X DIF	1.728X7800/230X50= 52.86	103138	150	148	137	325	AT	3P	3-200mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC

SCHEDULE OF LOADS (LPI-1)									
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	EA	P	SIZE OF WIRE & CONDUIT
1	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
2	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
3	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
4	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
5	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
6	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
7	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
8	LIGHTING OUTLET	1800	230	7			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
9	SPACE	800	230	3.47			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
10	SPACE	800	230	3.47			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
895X DIF	1.728X5400/230X50=36.64	103138	150	148	137	325	AT	3P	3-200mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC

SCHEDULE OF LOADS (VP)									
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	EA	P	SIZE OF WIRE & CONDUIT
1	VP-15HP	1119	230	4.86			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
2	VP-15HP	1119	230	4.86			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
3	SPACE DETECTOR	1000	230	4.36			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
4	SPACE DETECTOR	1000	230	4.36			20	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
5	SPACE	230	230	30			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
6	SPACE	230	230	30			30	AT	3-3.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
895X DIF	1.728X2119/230X50=15.16	4238	14200	4.86	4.36	40	AT	3P	3-16mm ² THHN WIRES IN 20mm dia. UPVC

SCHEDULE OF LOADS (ACU-1)									
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	EA	P	SIZE OF WIRE & CONDUIT
1	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
2	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
3	ACU 25HP	2760	230	12			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
4	ACU 25HP	2760	230	12			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
5	ACU 25HP	1840	230	8			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
6	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
7	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
8	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
9	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
10	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
11	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
12	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
13	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
14	ACU 25HP	2760	230	12			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
15	ACU 25HP	2760	230	12			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
16	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
17	ACU 25HP	3910	230	17			30	AT	3-5.5mm ² THHN CO. WIRES IN 20mm dia. UPVC (RIGID).
895X DIF	1.728X2119/230X50=15.16	59600	88	92	80	225	AT	3P	3-200mm ² THHN WIRES + 1-25mm ² THHN WIREBROD IN 20mm dia. UPVC

1

E-8

SCHEDULE OF LOADS

NTS.



REGION III
OFFICE OF THE REGIONAL DIRECTOR
BICOLANDIA DIVISION OFFICE
MARIKINA CITY, LAGUNA

PROJECT NAME AND LOCATION:
CONSTRUCTION OF
MULTI-PURPOSE BUILDING
(BICOLANDIA DIVISION OFFICE)

SHEET CONTENTS:
- SCHEDULE OF LOADS

PREPARED BY:
MICHAEL ANGELO D. LARAGAN
ENGINEER

REVIEWED BY:
CARINA A. GAYO
SECTION CHIEF/ENGINEER & OTHERS

SUBMITTED BY:
ARTURO SANTOS
CHIEF PLANNING AND DESIGN DIVISION

RECOMMENDED BY:
MARILYN P. DELA CRUZ
REGIONAL DIRECTOR

APPROVED BY:
ROSELENA T. TORRENTE
REGIONAL DIRECTOR

CONDUCTED BY:
DR. ROY N. VILLALBA
UNIVERSITY PRESIDENT
STATE UNIVERSITY

SHEET NO.
9

SHEET NO.
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SCHEDULE OF LOADS

SCALE

NTS.

SCHEDULE OF LOADS (MIP-2)

SCHEMATIC OF LOADS (ATS)										
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	CB	RATING	P	SIZE OF WIRE & CONDUIT
1	MIP-1	100138	240	150	150	137	325	AT	3P	3-20mm ² THHN WIRES + 1-80mm ² THHN WIREXED IN 20mm dia. UPVC
2	MIP-2	62560	240	107	107	100	225	AT	3P	3-10mm ² THHN WIRES + 1-80mm ² THHN WIREXED IN 20mm dia. UPVC
8955	DI	173819979/240X250+10.25	16809	237	237	237	500	AT	3P	3-20mm ² + 1-80mm ² EOL THHN WIRES each set in 75mm dia. UPVC
										USE 1-125mm ² THHN WIRE FOR 100% REMANUFACTURED AND RECYCLED DIESEL
										USE 3-100mm ² THHN WIREXED IN 20mm dia. UPVC

SCHEDULE OF LOADS (MIP-2)

SCHEMULE OF LOADS (MTP-2)											
CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	SIZE OF WIRE & CONDUIT				
							CB	P			
2	LIP-2	21300	240	31	27	75	AT	3P	3-20mm ² THHN WIRES + 1-55mm ² THHN WIREXED IN 40mm dia. UPVC		
3	CD-2	15900	240	22	22	60	AT	3P	3-14mm ² THHN WIRES + 1-35mm ² THHN WIREXED IN 20mm dia. UPVC		
5	ACU-2	23760	240	34	34	31	125	AT	3P	3-20mm ² THHN WIRES + 1-30mm ² THHN WIREXED IN 20mm dia. UPVC	
8955	DI	173819979/240X250+10.25	62560	107	107	100	225	AT	3P	3-10mm ² THHN WIRES + 1-80mm ² THHN WIREXED IN 20mm dia. UPVC	
		= 177 A								3-100mm ² THHN WIREXED IN 20mm dia. UPVC	

SCHEDULE OF LOADS (MIP-2)

CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	CB	RATING	P	SIZE OF WIRE & CONDUIT
1	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
2	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
3	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
4	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
5	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
6	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
7	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
8	LIGHTING OUTLET	1800	230		7			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
9	INDUSTRIAL FAN	2500	230	11				30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
10	SPACE	800	230		3			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
11	SPACE	800	230		3			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
12	SPACE	800	230		3			20	AT	3-2.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
	TOTAL	21300	240	31	27			75	AT	3-20mm ² THHN WIRES + 1-55mm ² THHN WIREXED IN 40mm dia. UPVC
8955	DI	173819979/240X250+10.25	62560	107	107	100	225	AT	3P	3-10mm ² THHN WIRES + 1-80mm ² THHN WIREXED IN 20mm dia. UPVC

SCHEDULE OF LOADS (CD-2)

CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	CB	RATING	P	SIZE OF WIRE & CONDUIT
1	CONVEYANCE	2500	230	10				30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
2	CONVEYANCE	2500	230		10			30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
3	CONVEYANCE	2500	230			12		30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
4	SPACE	2500	230	12				30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
5	SPACE	2500	230		12			30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
6	SPACE	2500	230			10		30	AT	3-3.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
	TOTAL	15900	240	22	22			60	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
8955	DI	173819979/240X250+10.25	62560	107	107	100	225	AT	3P	3-10mm ² THHN WIRES + 1-80mm ² THHN WIREXED IN 20mm dia. UPVC

SCHEDULE OF LOADS (ACU-2)

CIRCUIT NO.	DESCRIPTION	VA	V	AN	BN	CN	CB	RATING	P	SIZE OF WIRE & CONDUIT
1	ACU 25HP	3910	230	17				30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
2	ACU 25HP	3910	230		17			30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
3	ACU 25HP	3910	230			17		30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
4	ACU 25HP	3910	230	17				30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
5	ACU 25HP	3910	230		17			30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
6	ACU 25HP	3910	230			17		30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
7	ACU 15HP	2300	230	10				30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
8	ACU 25HP	2300	230		10			30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
9	ACU 25HP	2300	230			10		30	AT	3-5.5mm ² THHN CU WIRES IN 20mm dia. UPVC ORGID.
	TOTAL	23760	240	34	34	31		125	AT	3-20mm ² THHN WIRES + 1-30mm ² THHN WIREXED IN 20mm dia. UPVC
8955	DI	173819979/240X250+10.25	62560	107	107	100	225	AT	3P	3-10mm ² THHN WIRES + 1-80mm ² THHN WIREXED IN 20mm dia. UPVC



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
OFFICE OF THE REGIONAL DIRECTOR
SINGAPOUR CITY OF SANFERMINO, PAMPANGA

CONSTRUCTION OF
MULTI-PURPOSE BUILDING
(PROPOSED 4-STOREY BUILDING WITH GARAGE)

PROJECT NAME AND LOCATION

SHEET CONTENTS

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SHEET NO.

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E - 10
SCALE: NTS.

