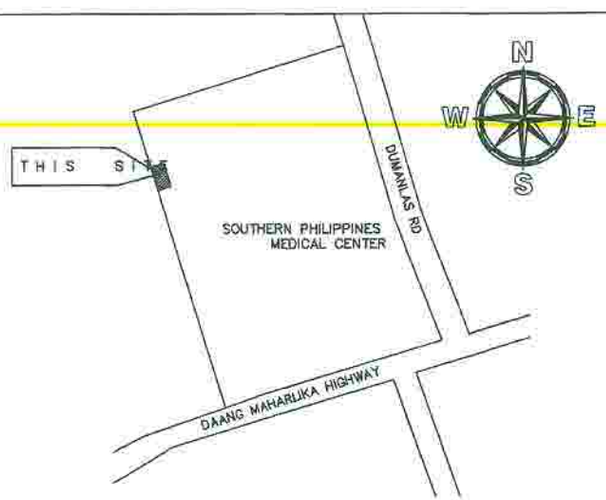
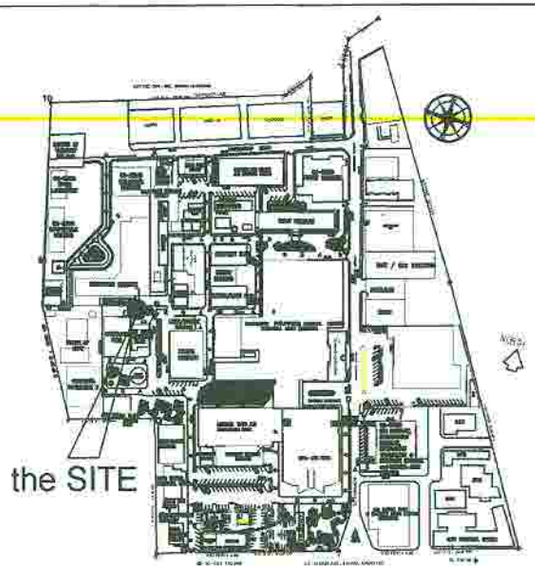


VICINITY MAP
SCALE: DNTS



SPMC MASTER SITE DEVELOPMENT PLAN

REPUBLIC OF THE PHILIPPINES
OFFICE OF THE BUILDING OFFICIAL

DAVAO

LAND USE & ZONING

LINE & GRADE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

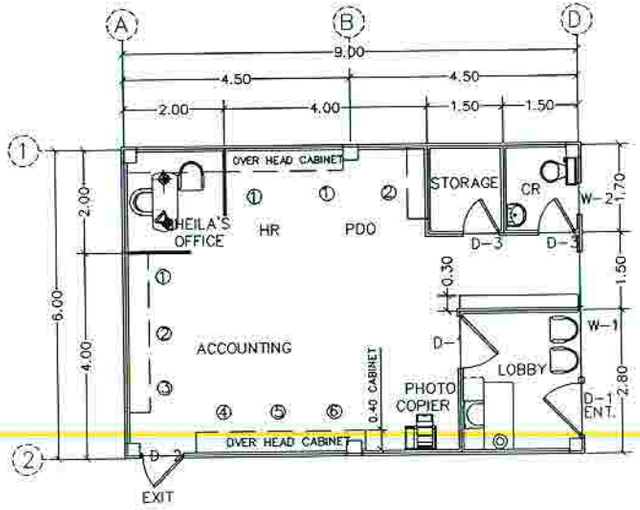
MECHANICAL

Republic of the Philippines
DEPARTMENT OF HEALTH
SOUTHERN PHILIPPINES MEDICAL CENTER
J.P. Laurel Avenue, Bajada
Davao City

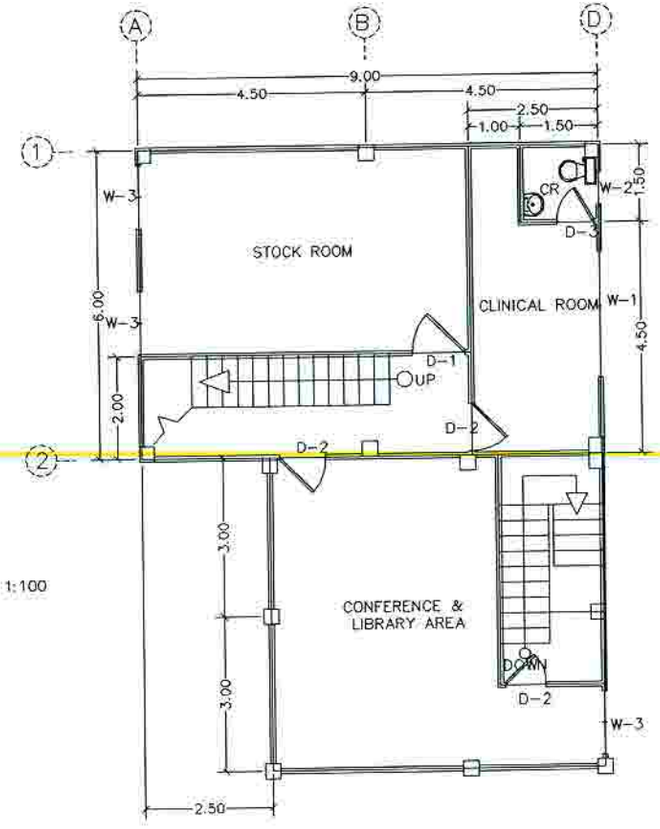
PREPARED BY	CHECKED BY	PROJECT TITLE	SHEET CONTENT	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET NO.
PRC REG. No. / Validity PTR No. / Date Place / TIN No.	PRC REG. No. / Validity PTR No. / Date Place / TIN No.	PROPOSED 3-STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY		HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007633 / Validity Dec 26, 2017 PTR No. / Date June 15, 1998 Place DAVAO CITY / TIN No. 145-135-124	LEOPOLDO J. VEGA, M.D., FPCS, FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER		A-1 DWN BY: CHECKED BY: DATE

RA 9292 SECTION 33
Specialties and professions not also covered by existing laws, rules and regulations of the Philippines, namely: architecture, civil engineering, mechanical engineering, electrical engineering, sanitary engineering, and other related fields, shall be deemed to be included in the coverage of this Code if and when the Board, upon the recommendation of the proper Board or Boards, shall have determined that the practice of such professions or specialties shall be governed by a set of rules and regulations to be promulgated by the corresponding Board or Boards, subject to the approval of and to the extent allowed by the proper national agency or office, subject to the rules governing the delegation of authority or the exercise of the rule-making power.

A REGISTERED and INDEPENDENT file provides a set of standard documents and other instruments of these nature.



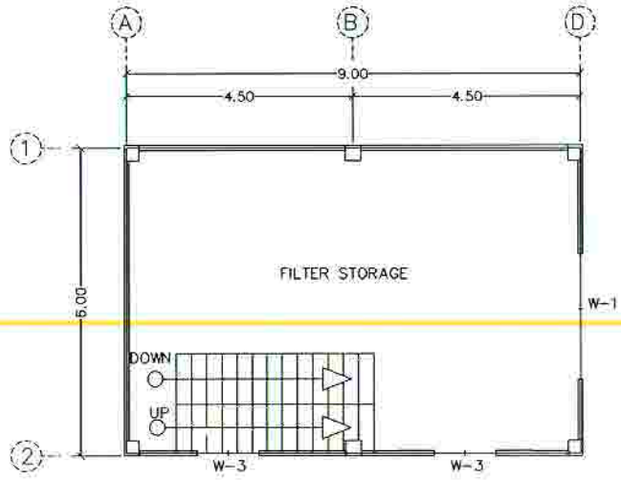
GROUND FLOOR PLAN
SCALE:



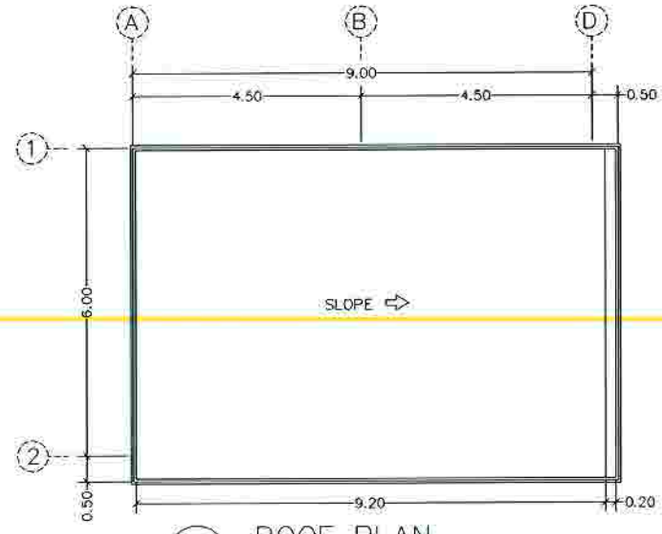
1:100

SECOND FLOOR PLAN
SCALE:

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY	RA 9266 SECTION 33	CHECKED BY	PROJECT TITLE	SHEET CONTENT	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET NO.
	PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.		PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY		HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date June 19, 1996 Place DAVAO CITY / TIN No. 142-126-124	LEOPOLDO J. VEGA M.D., FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER		A-2 CADD BY: CHECKED BY: DATE:

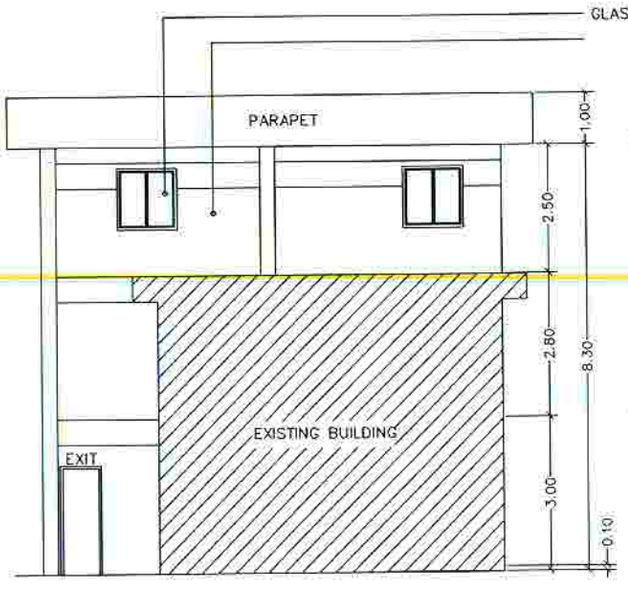


THIRD FLOOR PLAN
SCALE:

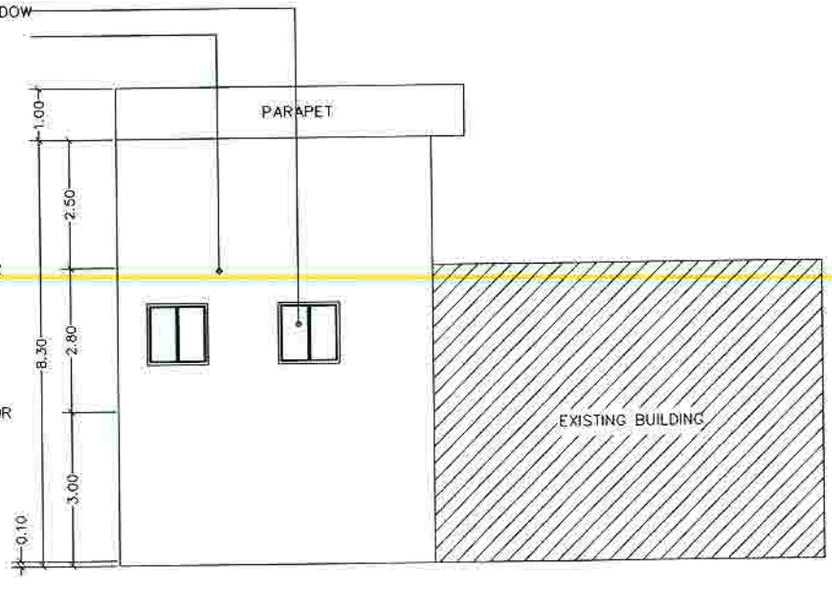


ROOF PLAN
SCALE: 1:100

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY		RA 9266 SECTION 33	CHECKED BY		PROJECT TITLE	SHEET CONTENT	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET NO.
	PRC REG. No.	Validity		PRC REG. No.	Validity	PROPOSED 3-STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION		HENRY Q. TANCIO SPMC- ENGINEER IV	LEOPOLDO J. VEGA M.D.,FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER		A-3
	PTR No.	Date		PTR No.	Date	LOCATION		PRC REG. No. 007632 Validity Dec. 26, 2017			CADD BY:
	Place	TIN No.		Place	TIN No.	SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY		PTR No. Date June 19, 1996			CHECKED BY:
								Place DAVAO CITY TIN No. 142-128-124			DATE:

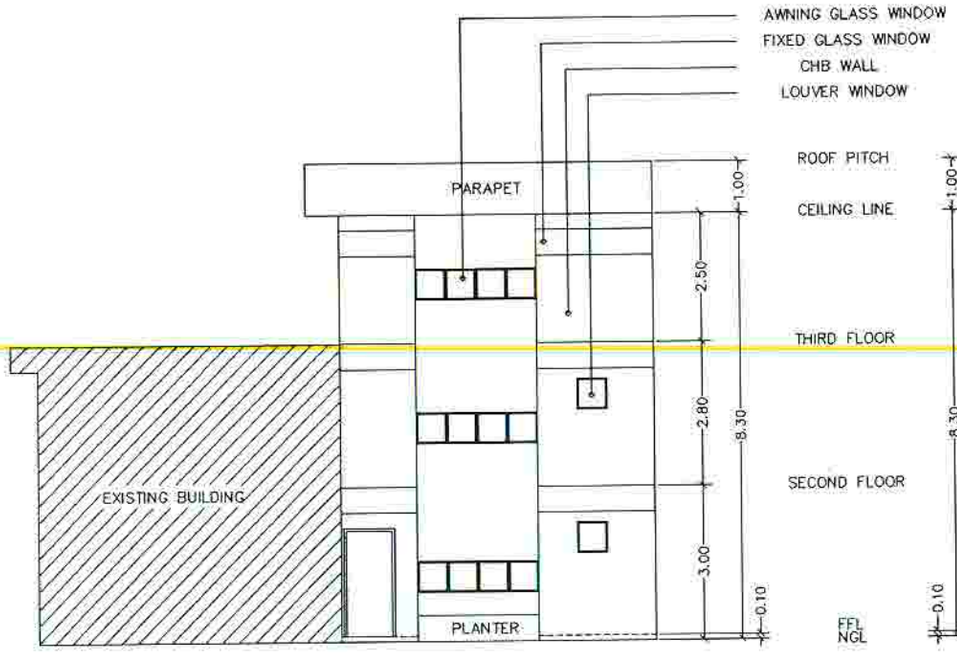


LEFT ELEV.
SCALE: 1:100

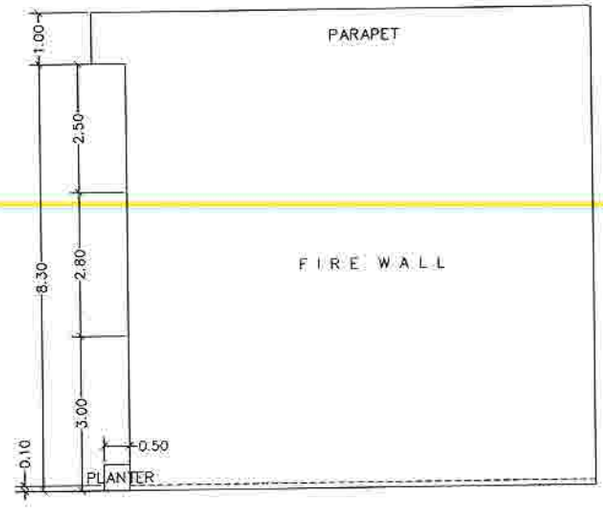


REAR ELEV.
SCALE 1:100

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	RA 9266 SECTION 33 Drawings and specifications and other original documents that signed, stamped or marked, as instruments of service, are the intellectual property and documents of the ARCHITECT, whether the project for which they are made is executed or not. It shall be unlawful for any person to reproduce, change or alter the documents without the written consent of the ARCHITECT. Any alteration, whether consented of ARCHITECT or the owner of the land (proponent), is at the sole risk and responsibility of the owner (proponent). The ARCHITECT shall incorporate his provisions in all contract documents and other instruments of form service.	CHECKED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	PROJECT TITLE PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BUNDA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMO - ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date: June 19, 1996 Place DAVAO CITY / TIN No. 142-128-124	RECOMMENDING APPROVAL LEOPOLDO T. VEGA M.D., FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. A-4 CADD BY: CHECKED BY: DATE:

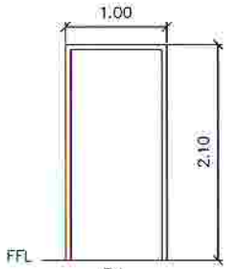


FRONT ELEV.
SCALE: 1:100



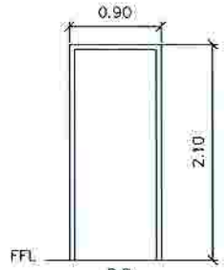
RIGHT ELEV.
SCALE: 1:1

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	RA 9266 SECTION 33 Drawings and specifications and other contract documents duly signed, sealed or sealed, as instruments of service, are property of the ARCHITECT, whether the right has been or not, shall be retained for any purpose in which, in the opinion of the ARCHITECT, may be used to the injury of the ARCHITECT or the value of his and professional. All ARCHITECTS and Interiors, into problem is all contract documents and other instruments of form service.	CHECKED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	PROJECT TITLE PROPOSED 3-STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date June 19, 1996 Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D. FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. A-5 CADD BY: CHECKED BY: DATE:



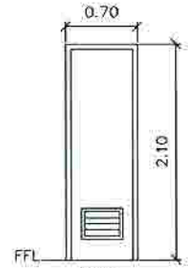
D1

TYPE: GLASS PANEL DOOR
LOCATION: ENTRANCE,LOOBY, BALCONY
UNIT: 4



D2

TYPE: WOODEN PANEL DOOR
LOCATION: CONFERENCE & LIBRARY AREA
UNIT: 2

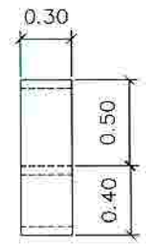


D3

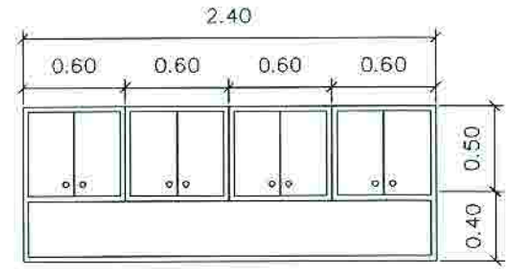
TYPE: WOODEN PANEL DOOR
LOCATION: STORAGE & CR
UNIT: 3

DOOR DETAIL

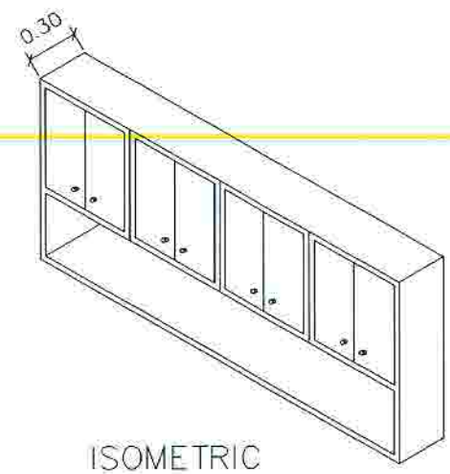
SCALE:



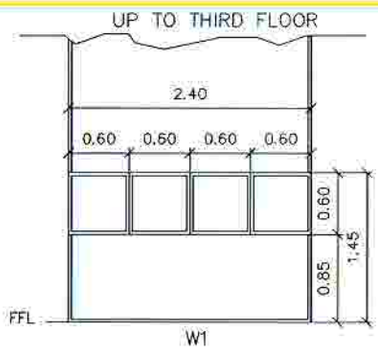
SIDE



FRONT

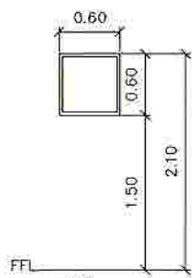


ISOMETRIC



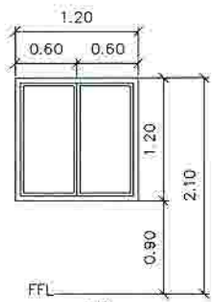
W1

TYPE: FIXED WINDOW WITH AWNING
LOCATION: LOBBY,CLINICAL ROOM,FILTER STORAGE
UNIT: 3



W2

TYPE: LOUVER
LOCATION: CR
UNIT: 2



W3

TYPE: GLASS SLIDING WINDOW
LOCATION: 1ST TO 3RD FLOOR
UNIT: 4

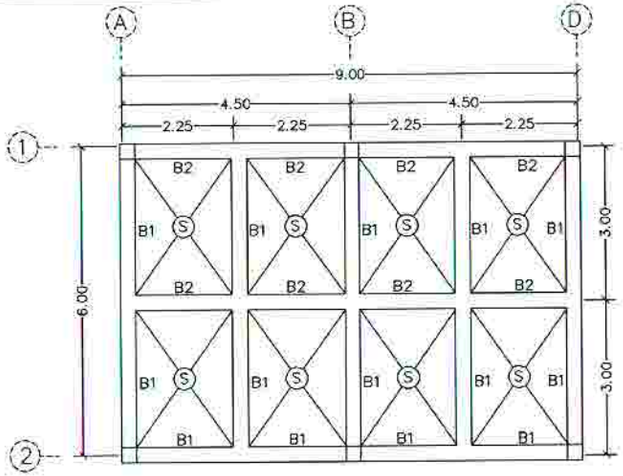
WINDOW DETAIL

SCALE:

CABINET

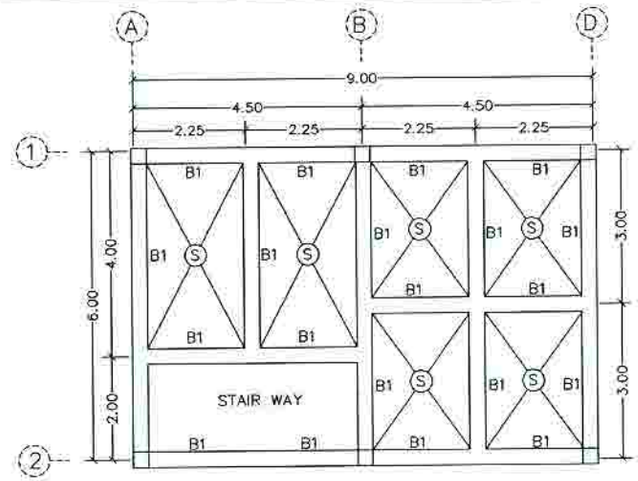
SCALE: 1:30

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	RA 9266 SECTION 33 Drawings and specifications and other contract documents of SPMC are the property of SPMC and shall remain the property of SPMC. Any use of such documents for any purpose other than those for which they are issued is prohibited or in some cases of half documents for use in the execution of one or other projects or buildings, whether executed partly or in whole without the written consent of SPMC or the author of the said documents. All PROJECTS shall incorporate the provision of contract documents and other instruments of their service.	CHECKED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	PROJECT TITLE: PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION. LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO, SPMC- ENGINEER IV. PRC REG. No. 007632 / Validity Dec. 25, 2017 / PTR No. / Date June 19, 1998 / Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA M.D., FPCS,FPATACSI, MEDICAL CENTER CHIEF II, SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. A-6 / CADD BY: / CHECKED BY: / DATE:



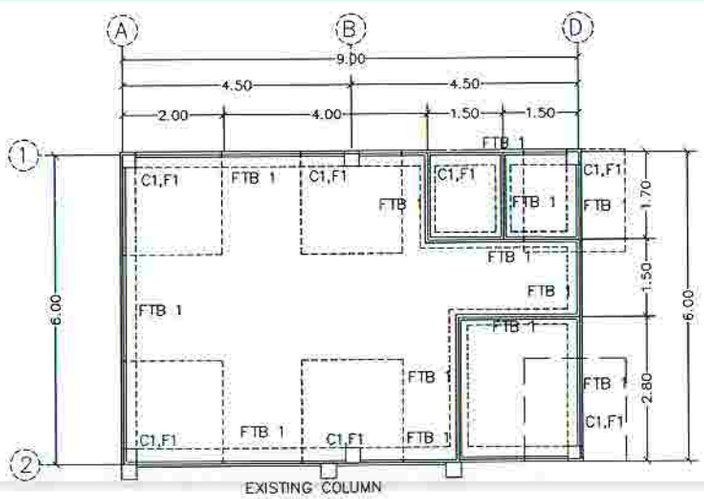
SECOND FLOOR BEAM PLAN

1:100 SCALE: 1:100



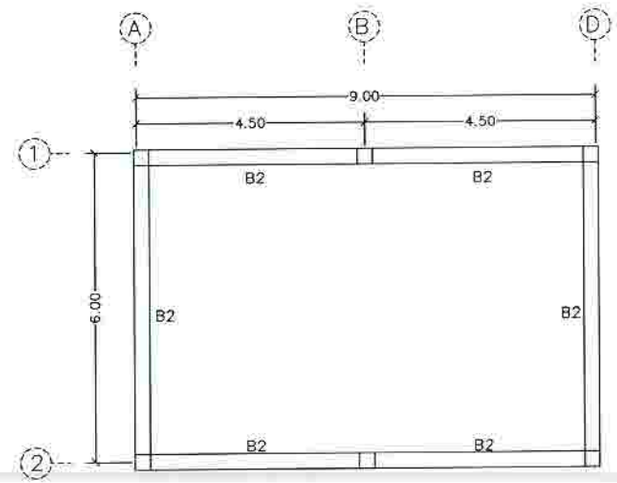
THIRD FLOOR BEAM PLAN

SCALE: 1:100



FOUNDATION PLAN

SCALE:



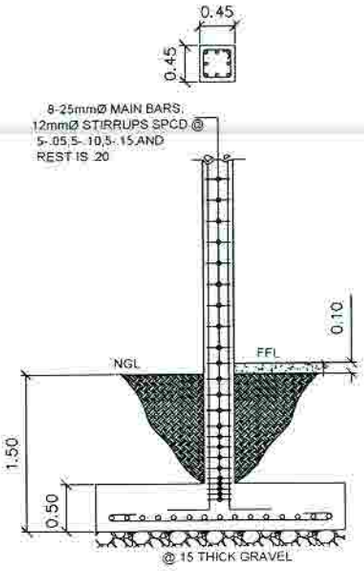
ROOF BEAM PLAN

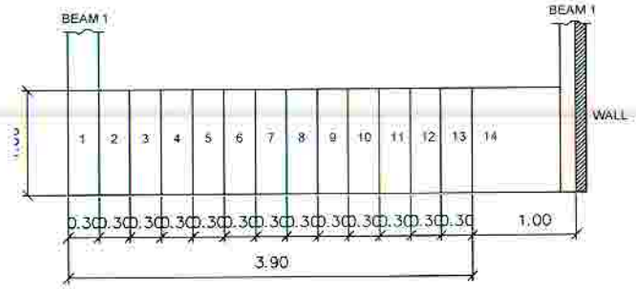
SCALE: 1:100

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	RA 9266 SECTION 33 Drawings, specifications and other contract documents that signed, stamped or sealed, as requirements of section 33 of the Architect Law, and possession of the ARCHITECT, whether the signed, but which they are made to executed or not, it shall be submitted for any person to duplicate, in the entirety or in part, any document, or use the original or any copy thereof, without the written consent of ARCHITECT or the author of the said document. IF ARCHITECT shall transgress this provision in all contract documents and other instruments of their service.	CHECKED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	PROJECT TITLE PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SENIOR ENGINEER IV PRC REG. No. 007633 Validity Dec. 26, 2017 PTR No. Date June 19, 1996 Place DAVAO CITY TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D., FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. S-1 CADD BY: CHECKED BY: DATE:

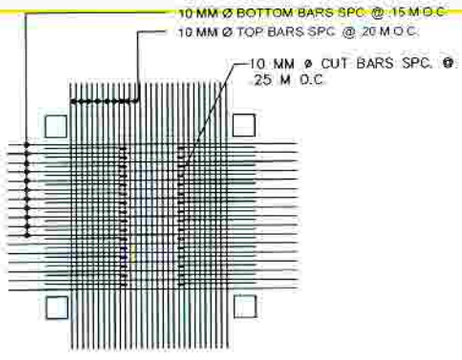
SCHEDULE OF BEAM

MARK	TYPICAL LONGITUDINAL SECTION	CROSS SECTION
B1	12mm# STIRRUPS SPCD @ 5-.05,5-.10,5-.15,AND REST IS .20 (L)	0.30 × 0.55; 6-20mm#; 8-20mm#; 12mm# STIRRUPS SPCD @ 5-.05,5-.10,5-.15,AND REST IS .20
B2	12mm# STIRRUPS SPCD @ 5-.05,5-.10,5-.15,AND REST IS .20 (L)	0.25 × 0.30; 4-16mm#; 2-16mm#; 4-16mm#; 12mm# STIRRUPS SPCD @ 5-.05,5-.10,5-.15,AND REST IS .20
FTB1	.60; 12mm# STIRRUPS SPCD @ 5-.05,5-.10,5-.15,AND REST IS .20 (L)	0.35 × 0.40; 4-16mm#; 4-16mm#; 12mm# STIRRUPS SPCD @ 5-.05,5-.10,5-.15,AND REST IS .20

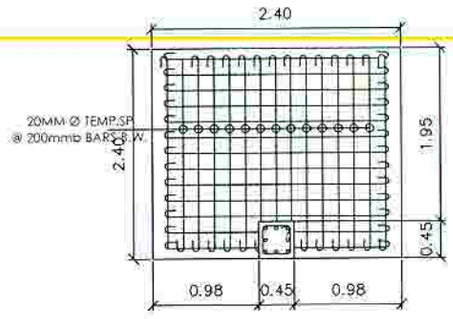




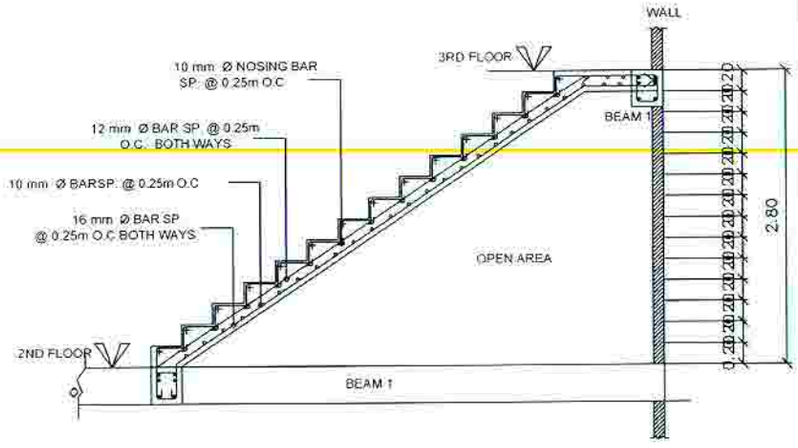
TOP



SLAB DETAIL
SCALE: 1:40

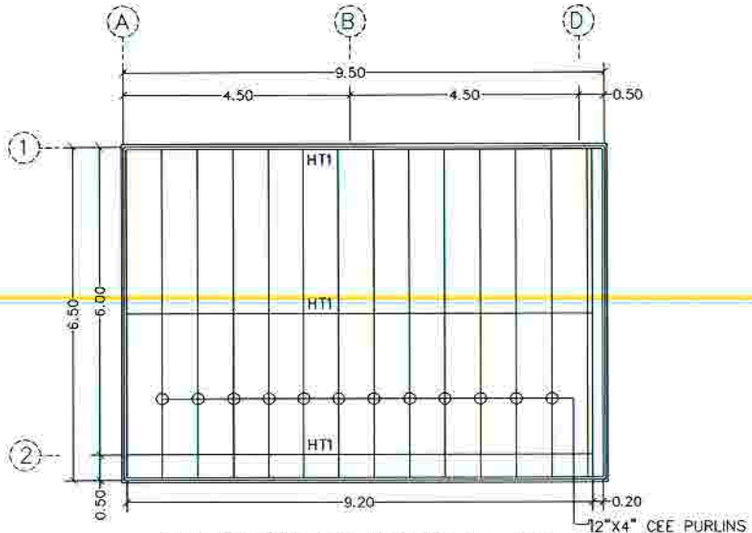


C1,F1
SCALE: 1:50

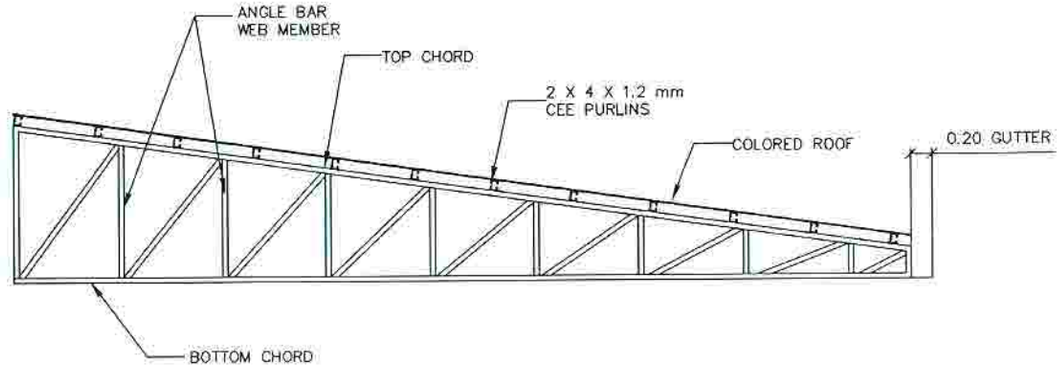


STAIR DETAIL
SCALE: 1:40

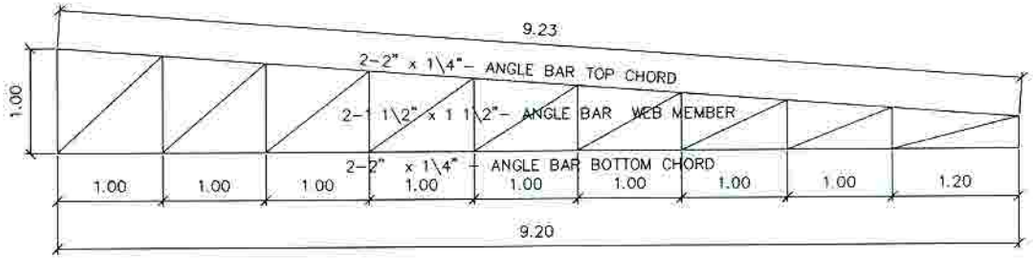
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	RA 9266 SECTION 33	CHECKED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	PROJECT TITLE: PROPOSED 3-STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO, SPMC-I ENGINEER IV, PRC REG. No. 007632, Validity Dec. 26, 2017, PTR No., Date June 19, 1996, Place DAVAO CITY, TIN No. 142-126-124	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA,M.D.,FPCS,FPATACSI, MEDICAL CENTER CHIEF II, SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. S-2
				LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY					CADD BY: CHECKED BY: DATE:



ROOF FRAMING PLAN
SCALE:

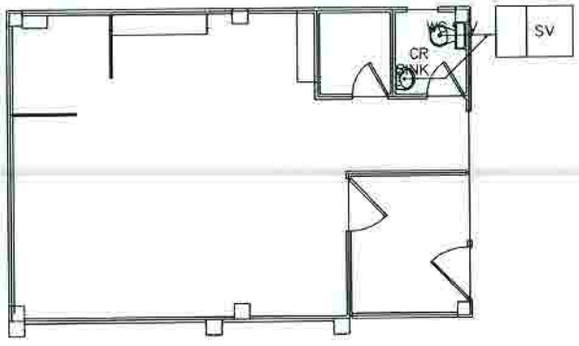


HALF TRUSS 1 DETAIL
SCALE: 1:50

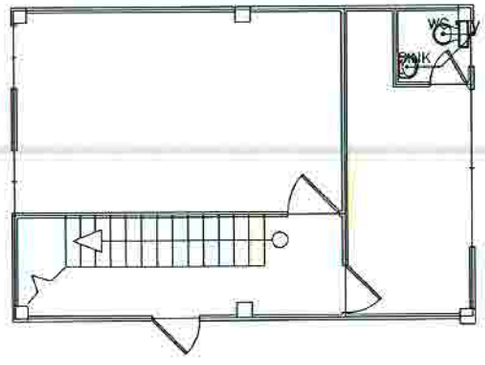


HALF TRUSS 1
SCALE: 1:50

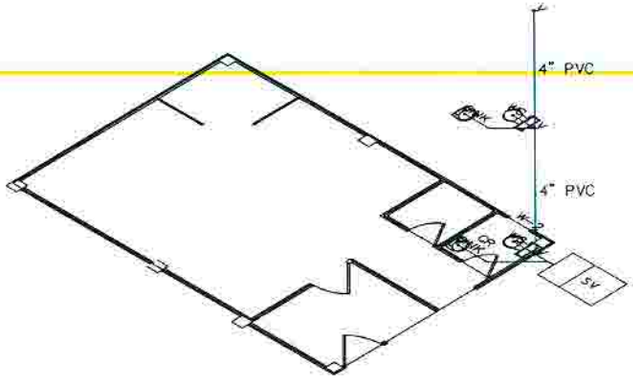
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	RA 9266 SECTION 33	CHECKED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	PROJECT TITLE PROPOSED 3- STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 28, 2017 PTR No. / Date June 19, 1996 Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D., FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. S-3 CADD BY: CHECKED BY: DATE:



GROUND SOIL PIPE LAY-OUT
SCALE:
1:100



SECOND SOIL PIPE LAY-OUT
SCALE:
1:100

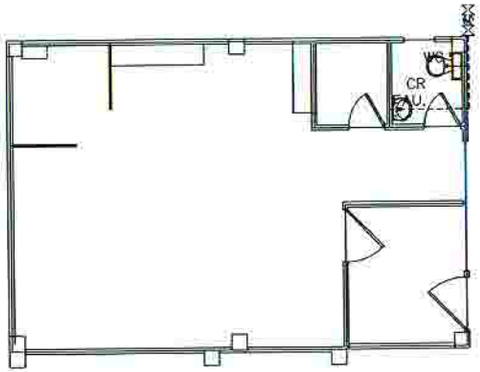


ISOMETRIC SOIL PIPE LAY-OUT
SCALE:
1:100

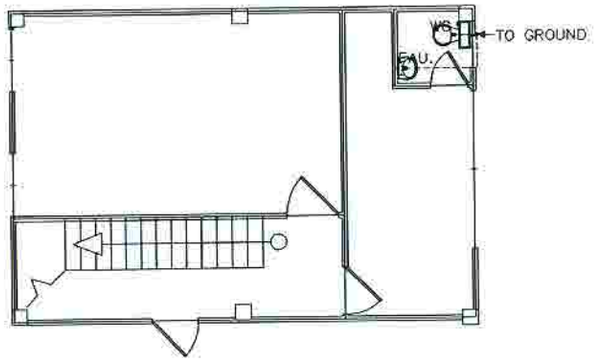
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY		RA 9266 SECTION 33	CHECKED BY	PROJECT TITLE	SHEET CONTENT	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET NO.
	PRC REG. No.	Validity		PRC REG. No.	Validity		HENRY Q. TANCIO SPMC - ENGINEER IV	LEOPOLDO J. VEGA M.D., FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER		P-1
	PTR No.	Date:		PTR No.	Date:		PRC REG. No. 0076632 Validity: Dec. 26, 2017			CADD BY:
	Place	TIN No.		Place	TIN No.		PTR No. Date: June 19, 1996			CHECKED BY:
							Place DAVAO CITY TIN No. 142-128-124			DATE:

PROPOSED 1-STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION

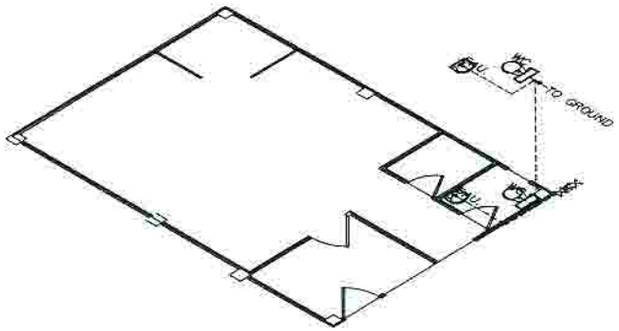
LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY



GROUND CLEAN WATER LAY-OUT
SCALE:
1:100

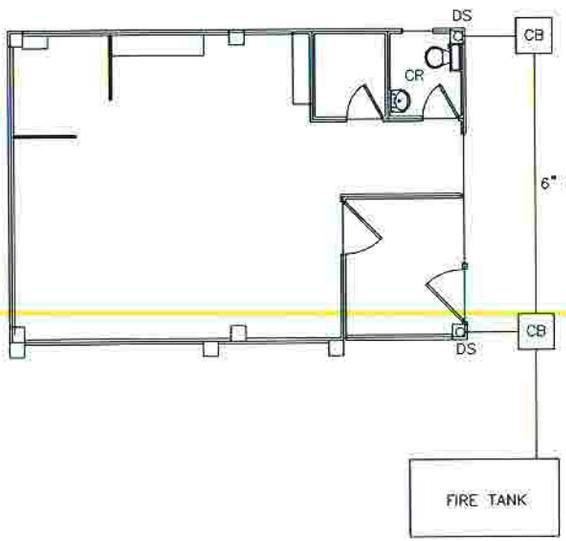


SECOND CLEAN WATER LAY-OUT
SCALE:
1:100

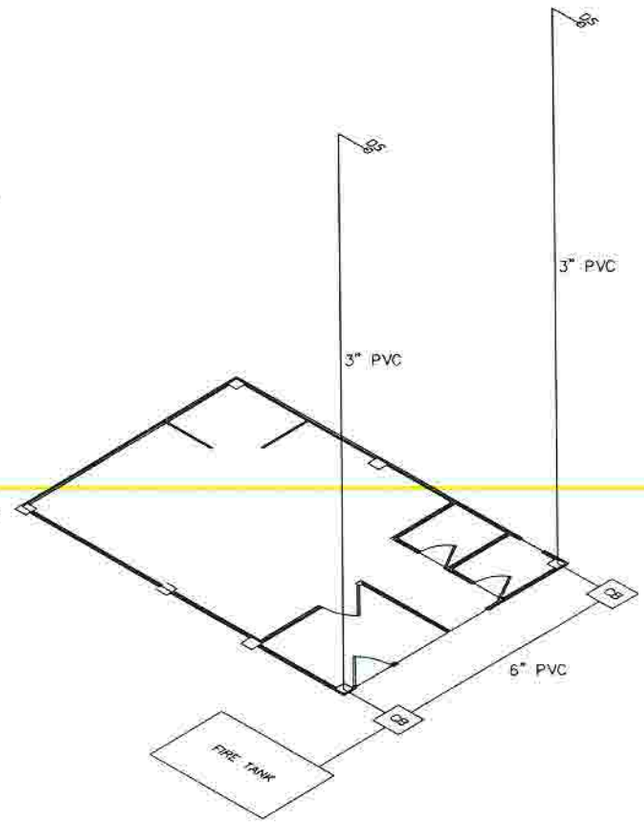


ISOMETRIC CLEAN WATER LAY-OUT
SCALE:
1:100

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	RA 8266 SECTION 33 Drawings and specifications and other contract documents duly signed, stamped or sealed, as instruments of service, are the intellectual property and shareholdings of the ARCHITECT, working for and in behalf of the Government of the Philippines. Only the original copies of such documents shall be recognized as valid representations of the work. Any unauthorized use of these documents for any purpose other than those agreed to in writing, shall be construed as violations of the rights of the ARCHITECT or the author of the said document. All ARCHITECTS shall incorporate this provision in all contract documents and other instruments of their service.	CHECKED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	PROJECT TITLE PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date: June 19, 1996 Place: DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D., FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. P-2 CADD BY: CHECKED BY: DATE:



CATCH BASIN & DOWN SPOUT
SCALE: 1:100



ISOMETRIC CATCH BASIN & DOWN SPOUT LAY-OUT
SCALE: 1:100

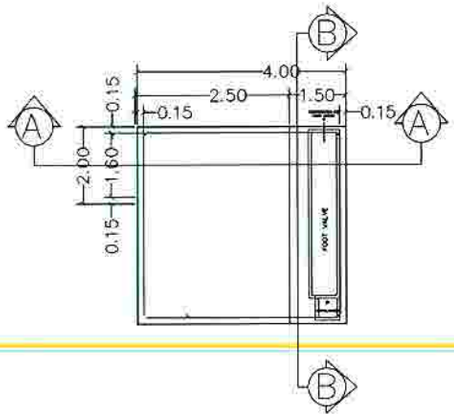
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	RA 8293, SECTION 33 — COPYRIGHT: All designs and other contents described in this plan, including but not limited to sketches, or instruments of service, are the intellectual property and documents of the ARCHITECT, whether the same has been or not yet issued or registered or not. It shall not be entitled for any person to duplicate or to make copies of said documents for use in the execution of and for other projects. In addition, written consent of ARCHITECT is the author of the said documents. ARCHITECT shall incorporate this provision in all contract documents and other instruments of their service.	CHECKED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	PROJECT TITLE: PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION. LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO, SPMC - ENGINEER IV. PRC REG. No. 007632 / Validity DEC. 26, 2017 / PTR No. / Date June 19, 1996 / Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA M.D. FPCS,FPATACSI, MEDICAL CENTER CHIEF II, SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. P-3. CADD BY: CHECKED BY: DATE:

PLUMBING NOTES:

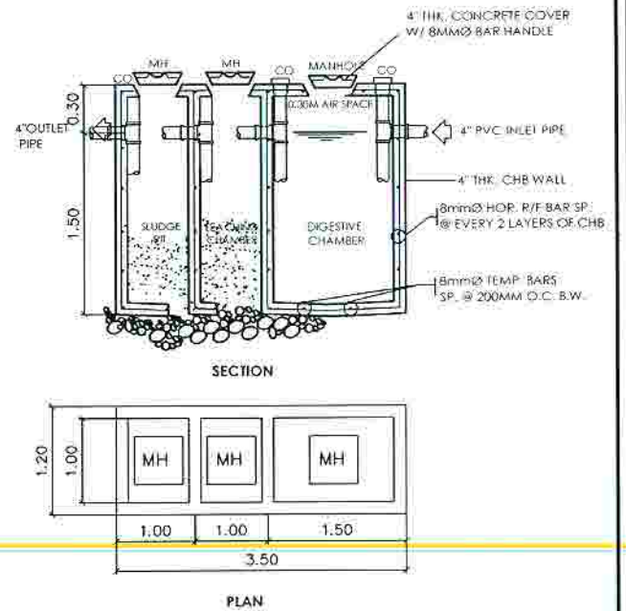
1. GRADES OF HORIZONTAL PIPING
   RUN HORIZONTAL PIPES IN PERFECT ALIGNMENT & AT A GRADE NOT LESS THAN 2%.
2. CHANGE IN DIRECTION
   ALL CHANGE OF DIRECTION SHALL BE MADE BY APPROPRIATE 45° WYES, LONG SWEEP QUARTER BEND,SIXTH-EIGHT OR SIXTEENTH BEND. WHEN THE CHANGE OF FLOW IS FROM HOR. TO VERT. A SINGLE $\frac{1}{8}$ BEND COMBINATION MAYBE USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTE LINE, TEE AND CROSSES MAYBE USED IN BENT PIPES.
3. PROHIBITED FITTINGS
   NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HOR. SOIL & WASTE LINES, THE DRILLINGS & TAPPINGS OF HOUSE DRAIN. WASTE OR VENT PIPES AND USED OF SADDLE HUB & BEND ARE PROHIBITED.
4. PIPE CLEAN-OUTS
   CLEAN OUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
   4.1 EVERY CHANGE OF HOR. DIRECTION EXCEEDING 22 1/2°.
   4.2 1.50M INSIDE THE PROPERTY LINES BEFORE THE HOUSE DRAIN DIRECTIONS.
   4.3 EVERY 15M IN HORIZONTAL RUN OF PIPES
   4.4 AT THE END OF ANY HORIZONTAL PIPE LINES
5. THE DIGESTION CHAMBER OF SEPTIC VAULT MUST BE WATERPROOF
6. NOT LESS THAN 0.30M OF AIRSPACE MUST BE LEFT BET. THE TOP OF THE SEWAGE AND THE UNDER PART OF VAULT ROOF SLAB.
7. NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.

LEGENDS:

———	SEWER LINE	FAU	FAUCET
———	WATER LINE	DS	DOWN SPOUT
———	VENT	LAV	LAVATORY
WC	WATER CLOSET	KS	KITCHEN SINK
FD	FLOOR DRAIN		
CO	CLEAN OUT		



CISTERN TANK TOP VIEW
SCALE 2:100



SEPTIC VAULT DETAIL
SCALE 1:75

CISTERN TANK CALCULATION

CALCULATION

V= Ave. Mo. Rainfall x catchment surface x effic

Given: Roof Area = 501
Ave. Monthly Rainfall = 156 mm
Collection efficiency = 80 %

V= 0.156 x 501 x 0.8 x 0.25
= 15.63 cu.m

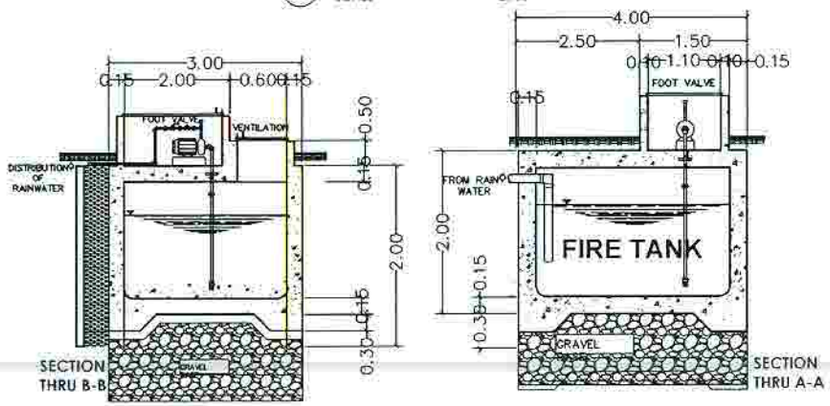
Rectangular Tank – 4m x 2m

$h = \frac{\text{Volume}}{\text{Dimension of Tank}}$

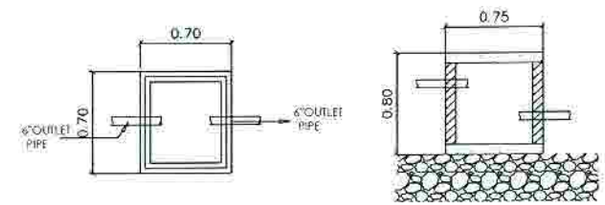
$h = \frac{15.63}{7.5(2)}$

h = 1.95 m

say = 2 m

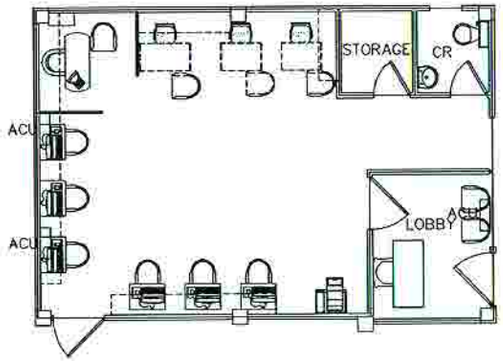


CISTERN TANK SECTION
SCALE 2:100

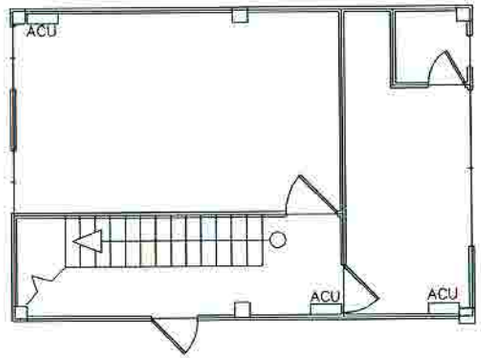


CATCH BASIN DETAIL
SCALE 1:75

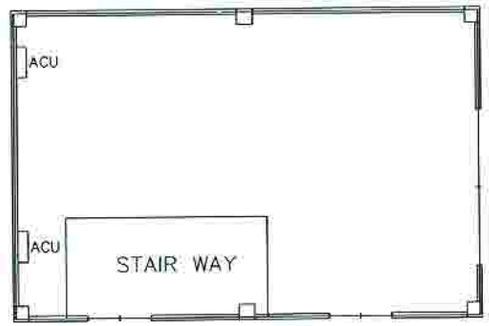
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY	RA 9266 SECTION 33	CHECKED BY	PROJECT TITLE: PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO, SPMC ENGINEER IV	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA M.D. FPCS,FPATACSI, MEDICAL CENTER CHIEF II, SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. P-4
	PRC REG. No. / Validity		PRC REG. No. / Validity	LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY		PRC REG. No. 007632 / Validity Dec. 28, 2017			CADD BY:
	PTR No. / Date		PTR No. / Date			PTR No. / Date June 19, 1996			CHECKED BY:
	Place / TIN No.		Place / TIN No.			Place DAVAO CITY / TIN No. 142-126-124			DATE:



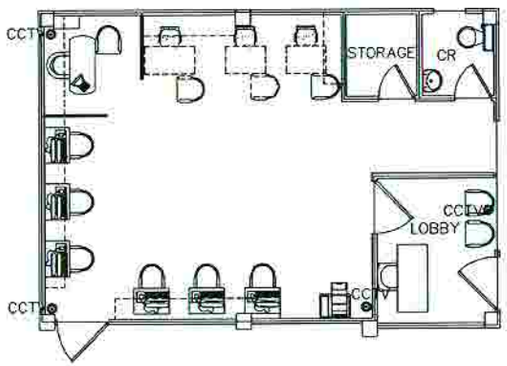
GROUND FLOOR ACU PLAN
SCALE:
1:100



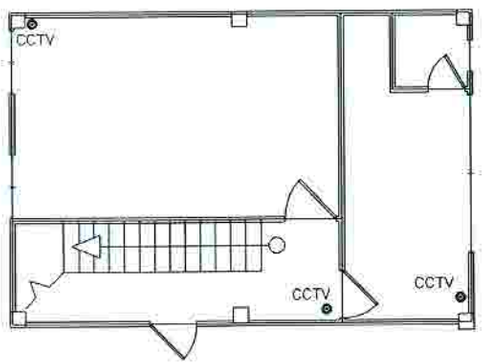
SECOND FLOOR ACU PLA
SCALE:
1:100



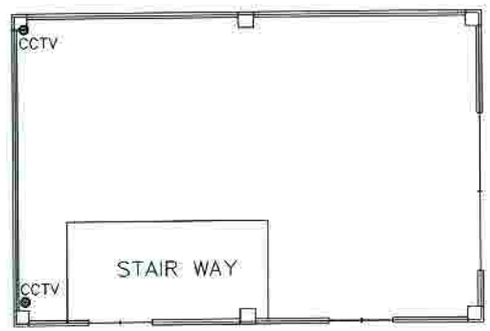
THIRD FLOOR ACU PLAN
SCALE:



GROUND FLOOR CCTV PLAN
SCALE:
1:100

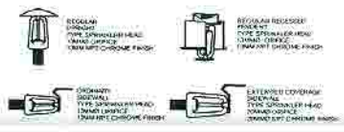


SECOND FLOOR CCTV PLAN
SCALE:
1:100

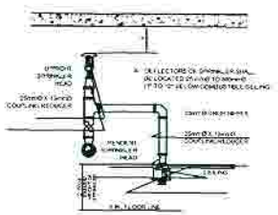


THIRD FLOOR CCTV PLAN
SCALE:
1:100

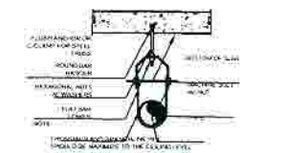
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	RA 9266 SECTION 33. Tracings and specifications and other original documents bearing signature, attempted or verified, as instruments of service, are the intellectual property and possession of the ARCHITECT, whether the work for which they are made is executed or not, and may be withheld by any person in possession of the original until payment is made to the architect of and for other projects or buildings, whether executed wholly or in part, without the written consent of ARCHITECT or the author of the said documents. All ARCHITECTS shall incorporate this provision in all contract documents and other instruments of their service.	CHECKED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	PROJECT TITLE PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC - ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2013 PTR No. / Date: JAN 13, 1996 Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D. FPCS,FPATACS MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. CADD BY: CHECKED BY: DATE:



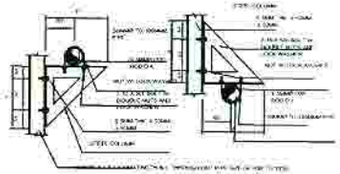
TYPES OF SPRINKLER HEADS



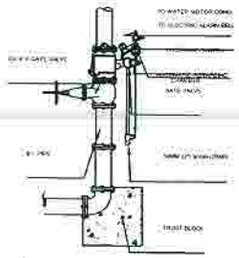
COMBINATION SPRINKLER HEADS DETAIL



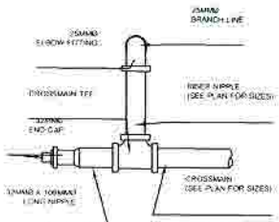
ADJUSTABLE TYPE CLEVIS HANGER



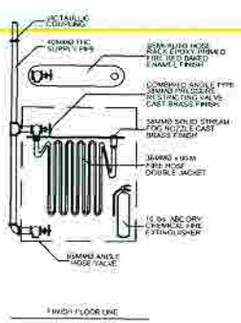
WALL PIPE HANGER DETAIL



ALARM CHECK VALVE ASSEMBLY



FLUSHING CONNECTION DETAIL



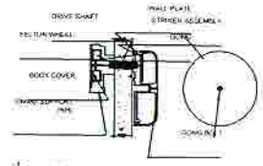
FIRE HOSE CABINET DETAIL

SCHEDULE OF EQUIPMENT

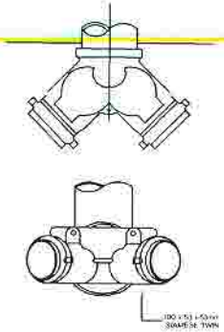
DESIGNATION	QTY	CAPACITY (Lmin. / (GPM)	TYPE	TDH (M)	PUMP DATA						REMARKS
					RPM	KW	HP	VOLTS	PHASE	HEARTZ	
FIRE WATER PUMP	1	60 LPM	END-SUCTION CENTRIFUGAL FIRE PUMP	70 M	3560	29.84	40	220	THREE	60	BRAND NEW AND COMPLETE STANDARD ACCESSORIES, READY FOR SERVICE
JOCKEY PUMP	1	18 LPM	VERTICAL MULTI-STAGE JOCKEY PUMP	70 M	3450	3.73	5	220	TWO	60	BRAND NEW AND COMPLETE STANDARD ACCESSORIES, READY FOR SERVICE

SCHEDULE OF TANKS

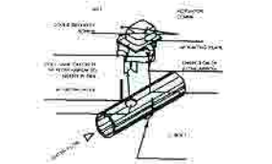
EQUIPMENT NO	QTY.	DESCRIPTION	TYPE	CAPACITY (M3)	SIZE (L x W x H)	REMARKS
GSTBM - 1	1	FIRE FIGHTING WATER TANK	VERTICAL TYPE POSITION	40 M3	4.75 x 4.6 M x 2.2 M	READY TO USE



WATER MOTOR ALARM GONG DETAIL

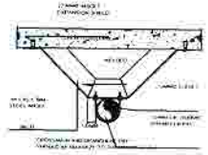


FIRE DEPARTMENT CONNECTION

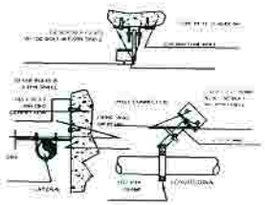


WATER FLOW SWITCH MOUNTING ARRANGEMENT

IDENTIFICATION SIGNS



PIPE RISER BRACKET DETAIL



TWO-WAY SWAY BRACE

LEGEND & SYMBOLS

	SPRINKLER HEADS (PENDANT)
	SPRINKLER HEADS (UPRIGHT)
	SPRINKLER HEADS (SIDE WALL)
	PIPE RISER
	PIPE UP
	PIPE DOWN
FHC	FIRE HOSE CABINET
	FLANGE CONNECTION
	BLIND FLANGE
	BUTTERFLY VALVE
	BALL VALVE
	CHECK VALVE
	FLOW METER
	SIGHT GLASS
	COUPLING REDUCER
	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
	TEE FITTINGS
	ELBOW FITTINGS
	OS & Y GATE VALVE
FE	FIRE EXIT
FP	FIRE PUMP
JP	JOCKEY PUMP

Republic of the Philippines
DEPARTMENT OF HEALTH
SOUTHERN PHILIPPINES MEDICAL CENTER
J.P. Laurel Avenue, Bajada
Davao City

PREPARED BY

PRC REG. No. | Validity
PTR No. | Date:
Place | TIN No.

RA 9266 SECTION 33

CHECKED BY

PRC REG. No. | Validity
PTR No. | Date:
Place | TIN No.

PROJECT TITLE

PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION

LOCATION

SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY

SHEET CONTENT

CHECKED BY

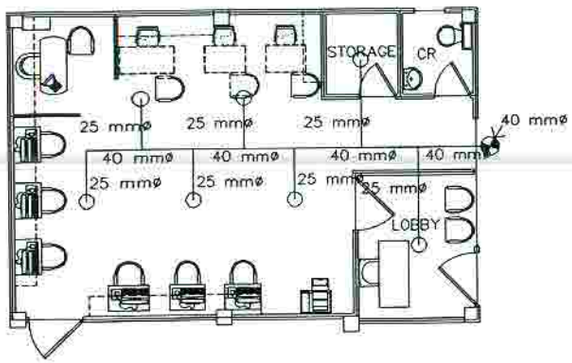
HENRY Q. TANCIO
SENIOR ENGINEER IV
PRC REG. No. 0078532 | Validity Dec. 26, 2017
PTR No. | Date: June 19, 1996
Place DAVAO CITY | TIN No. 142-128-124

RECOMMENDING APPROVAL

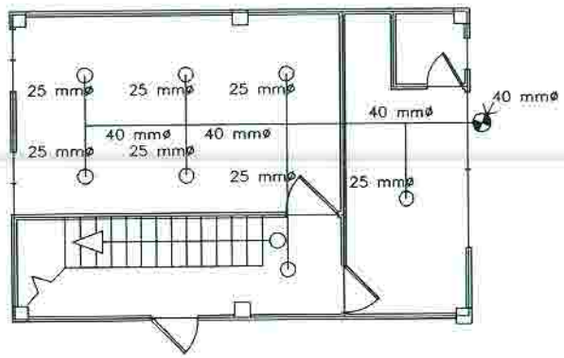
LEOPOLDO J. VEGA M.D., FPCS,FPATACSI
MEDICAL CENTER CHIEF II
SOUTHERN PHILIPPINES MEDICAL CENTER

APPROVED BY

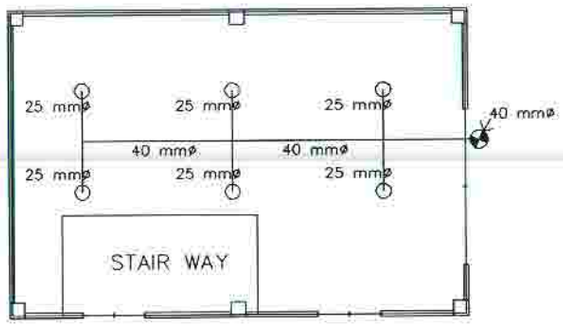
SHEET NO.
M-3
CADD BY:
CHECKED BY:
DATE:



GROUND FLOOR SPRINKLER PLAN
SCALE:
1:100



SECOND FLOOR SPRINKLER PLAN
SCALE:
1:100



THIRD FLOOR SPRINKLER PLAN
SCALE:
1:100

GENERAL NOTES & SPECIFICATIONS:

1 ALL FIRE PROTECTION WORKS SHALL CONFORM WITH THE LATEST EDITIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES,THE PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS (PSME) CODES AND STANDARDS, THE RULES & REGULATIONS OF THE LOCAL ENFORCING AUTHORITY OF THE LOCAL GOVERNMENT.

2. THE CONTRACTOR SHALL BE I.S.O. CERTIFIED COMPANY WITH TECHNICAL EXPERTISE, AND PAST SIMILAR PROJECTS UNDERTAKEN AND SPECIALIZED IN WET-PIPE SPRINKLER SYSTEM DESIGN AND INSTALLATION DETERMINED AND APPROVED BY THE OWNER AND/OR ARCHITECT.

3. CONSTRUCT AND INSTALL WET-PIPE SPRINKLER BASED ON PLANS, NOTES AND

4. THE CONTRACTOR SHALL VERIFY THE SITE PRIOR TO INSTALLATION, SHALL COORDINATE WITH OTHER TRADE AND AT ALL TIMES SHALL OBSERVE SAFETY AND

5. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF SPRINKLERS IN ACCORDANCE WITH ARCHITECTURAL CEILING PLAN. ANY DEVIATION OR RELOCATION SHALL BE SUBJECT TO ARCHITECT AND ENGINEER'S APPROVAL.

6. ALL B.I. PIPES FOR MAIN & BRANCH LINES WITH ADEQUATE HANGERS SHALL BE HYDROSTATICALLY TESTED AT MINIMUM 150 PSI FOR A DURATION OF TWO (2) HOURS AND SHOULD BE WITNESSED AND CERTIFIED BY ENGINEER OR HIS REPRESENTATIVE

7. ALL SPRINKLER HEADS IN ROOMS OR SPACES WITH CEILING SHALL BE RECESSED PENDENT TYPE COMPLETE WITH ESCUTHEON PLATE, ½" ORIFICE, AND RATED AT 155 DEG.F. EXCEPT FOR THE KITCHEN AT 235 DEG.F. THE SAME SPECIFICATIONS WITH HORIZONTAL SIDE WALLS SPRINKLER HEADS, ½" ORIFICE, RATED AT 135 DEG.F. WITH ESCUTHEON PLATE AND DEFLECTOR. MODEL F950,F948 OR ITS EQUIVALENT FOR BOTH

8. ALL PIPE MATERIALS SHALL BE BLACK IRON (B.I.) PIPE SCH.40,ASTM,A53, NEW AND CLEAN INCLUDING BRACKETS, SUPPORTS AND HANGERS. THE SAME SHALL BE PRIMER PAINTED AND PIPES SHALL BE PAINTED WITH RED COLOR CODE.

9 IT IS NOT INTENDED THAT THIS DRAWINGS SHALL SHOW ALL THE DETAILS OF THE ENTIRE SYSTEM AND THEREFORE, ANY ITEMS NOT FOUND THEREIN SUCH AS PIPES, FITTINGS, CONTROL, VALVES PARTS/COMPONENTS, ETC. BUT NEEDED TO COMPLETE THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF THE CONTRACT BASED ON ITEM #1 AND IN FAVOR OF THE PROJECT

10. CONTRACTOR SHALL SUBMIT WARRANTY CERTIFICATE UPON COMPLETION OF THE PROJECT AFTER TESTING, COMMISSIONING AND FULL ACCEPTANCE BY THE OWNER AND/OR THE ARCHITECT.

11. CONTRACTOR SHALL BE REQUIRED TO SUBMIT SHOP DRAWINGS PRIOR TO IMPLEMENTATION AND SHALL SUBMIT AS-BUILT PLANS AFTER COMPLETION DULY SIGNED AND SEALED BY A PROF. MECHANICAL ENGINEER (PME).

12. ALL WORKS SHALL BE DONE UNDER THE IMMEDIATE SUPERVISION OF A DULY QUALIFIED & COMPETENT MECHANICAL ENGINEER.

13 ALL PIPES SHALL BE PLUMB, PARALLEL TO THE BUILDING, AND ANCHORED AT A MAXIMUM DISTANCE OF 2.0 METERS WHILE, LINE PIPE HANGERS AND SUPPORTS AT CROSS MAIN AND BRANCHLINE PIPES SHALL BE INSTALLED @ 1.5 METERS APART

14 MINIMUM PIPE SIZE FOR ALL SPRINKLERS SHALL BE 25mm DIAMETER, UNLESS

15 MAXIMUM INTERVAL BETWEEN PENDENT TYPE SPRINKLER HEADS SHALL BE 3.0m., WHILE SPRINKLER HEADS AND WALL IT SHALL BE 1.5m. MAXIMUM

16 HORIZONTAL SIDE WALL SPRINKLER HEADS SHALL BE INSTALLED WITH AN INTERVAL OF 2.0m. BETWEEN HEADS AT THE ATRIUM.

17 MINIMUM DISTANCE BETWEEN SPRINKLER HEAD AND DIFFUSER OR ANY UTILITY (ELECTRICAL/MECHANICAL) SHALL BE 0.30m (300mm).

18 PROVIDE SPRINKLER HEADS IN ALL ENCLOSED AREAS EXCEPT IN I.T. ROOM, POWER ROOM, LABORATORY AND RADIOLOGY ON SELECTED AREAS (REFER LAY-OUT

19 INSTALL 3" SWING CHECK VALVE (BUTTERFLY-STYLE) AND A 3" OUTSIDE SCREW & YOLK (OS&Y) GATE VALVE IN EVERY FLOOR LOOP OF WET-PIPE SPRINKLER SYSTEM

20 INSTALL 2 1/2" SWING CHECK VALVE (BUTTERFLY-STYLE) EVERY SIAMESE CONNECTION OF A WET-PIPE HYDRANT SYSTEM

21 ALL CONNECTIONS ON PIPELINES SHALL BE THREADED TYPE FOR 1in. & 1½" PIPE ", 3" & 4" PIPE DIA. AND FLANGED TYPE CONNECTION FROM PIPE TO PUMPS, VALVES AND ACCESSORIES.

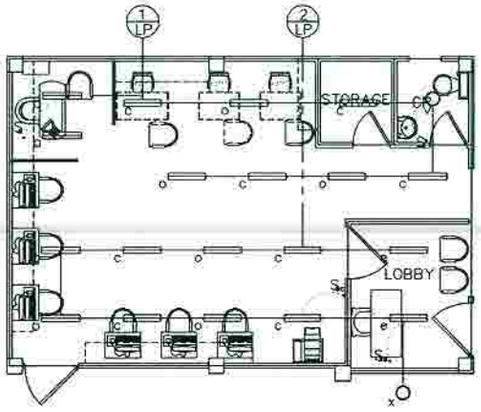
22. ALL PROVISION FOR CONNECTIONS FROM FIRE DEPARTMENT/OTHER SOURCE AND TOWARDS FIRE HOSE CABINET INCLUDING ITS FITTINGS SHALL BE THREADED TYPE REGARDLESS OF SIZES BASED ON PLUMBING STANDARDS

23 INSTALL 38mm DIA. MAIN DRAIN AT THE PUMP HOUSE WITH BALL VALVE AND 25mm DIA. PIPE DRAIN WITH BALL VALVE AT THE END OF EVERY FLOOR LEVEL DOWN TO

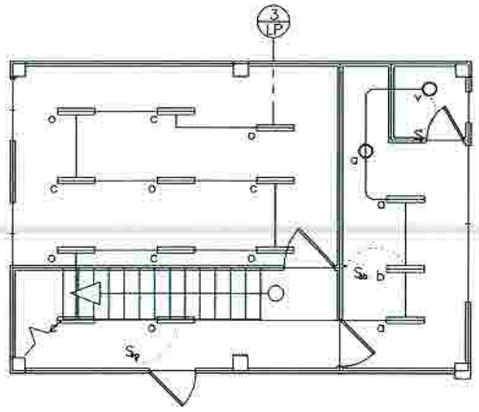
24. ALL WELDING WORKS SHALL BE DONE ONLY BY A CERTIFIED TESDA CLASS-A

25 APPLY TWO (2) COATS EPOXY PRIMER RED AND TWO (2) COATS EPOXY FIRE RED FOR PIPES, HANGERS, BRACKETS & ACCESSORIES. FINAL COLOR OF WALL FOR EXPOSED STEEL FRAMES, PLATFORM, BRACKETS AND SUPPORTS.

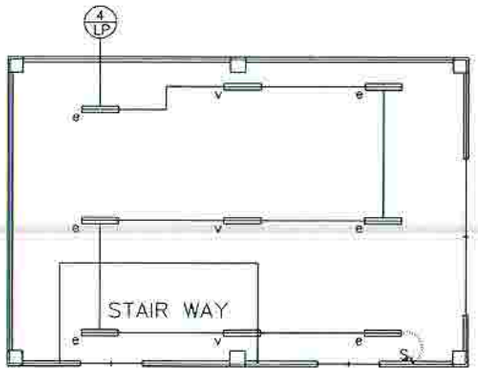
Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity / PTR No. / Date: / Place / TIN No.	RA 9266 SECTION 33	CHECKED BY: PRC REG. No. / Validity / PTR No. / Date: / Place / TIN No.	PROJECT TITLE: PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO, SMC - ENGINEER IV; PRC REG. No. 007632; Validity Dec. 24, 2017; PTR No.; Date: June 19, 1998; Place DAVAO CITY; TIN No. 147-128-124	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA M.D. FPCS,FPATACSI, MEDICAL CENTER CHIEF II, SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. M-2
				LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY					CADD BY: / CHECKED BY: / DATE:



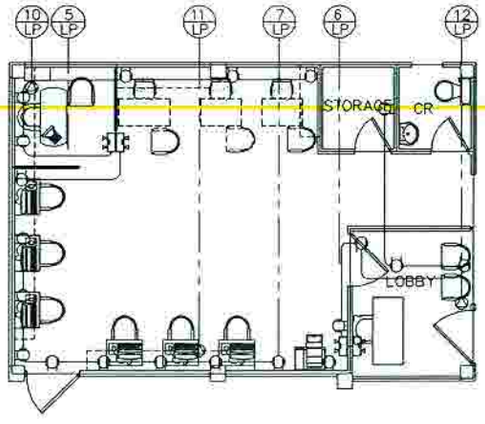
GROUND FLOOR LIGHTING PLAN
SCALE:
1:100



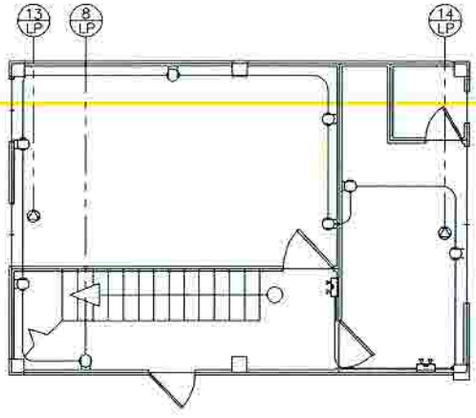
SECOND FLOOR LIGHTING PLAN
SCALE:



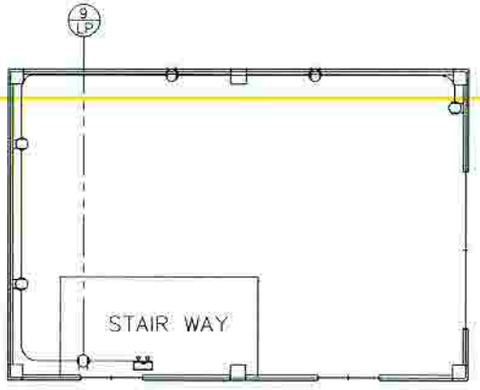
THIRD FLOOR LIGHTING PLAN
SCALE:
1:100



GROUND FLOOR POWER PLAN
SCALE:
1:100

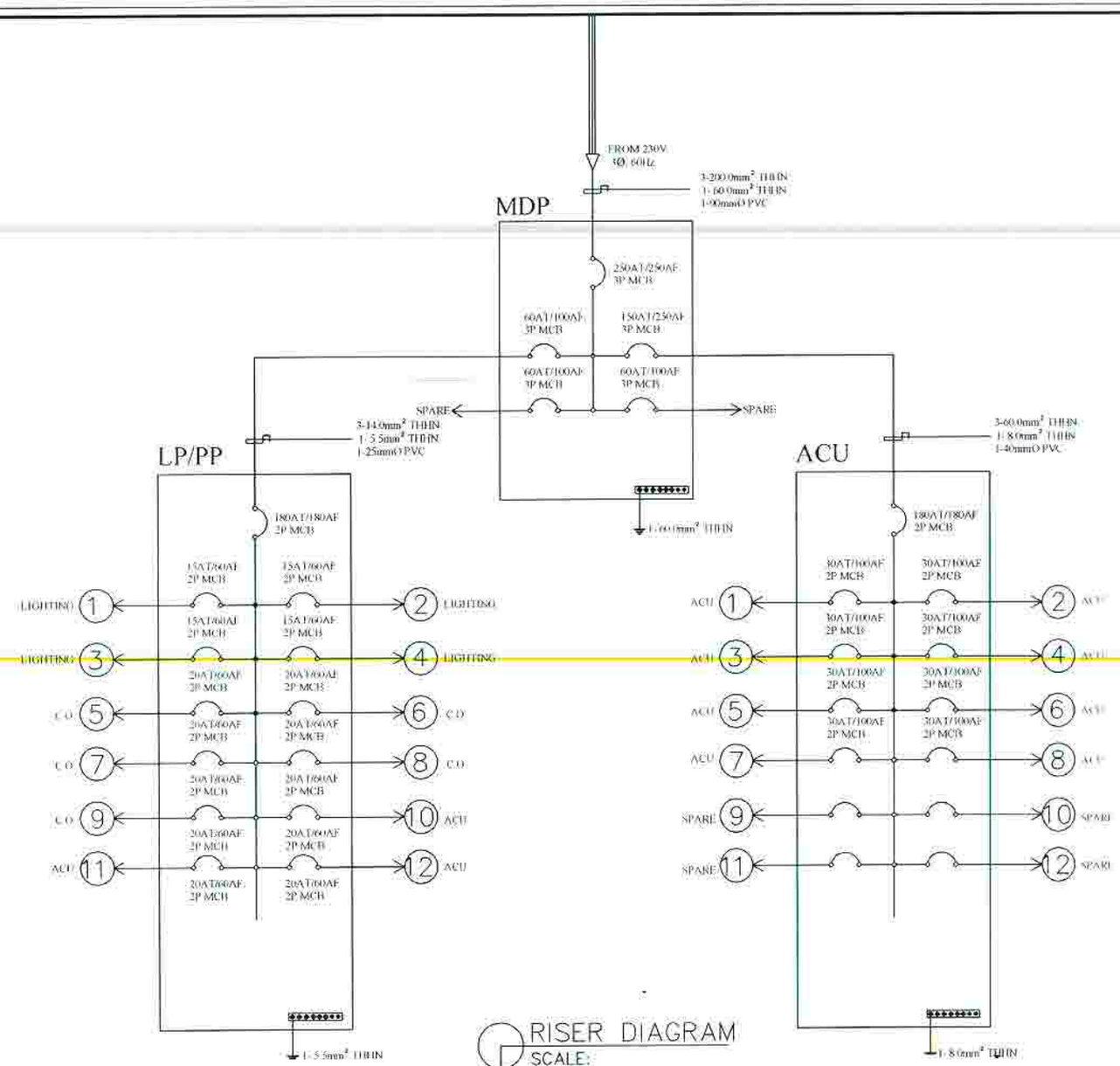


SECOND FLOOR POWER PLAN
SCALE:



THIRD FLOOR POWER PLAN
SCALE:
1:100

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity PTR No. / Date Place / TIN No.	RA 9266 SECTION 33 Drawings and specifications and other contract documents, that original ownership of architect, as instruments of service are the intellectual property and documents of the ARCHITECT, whether the subject for which they are made is executed or not, it shall not be reproduced for any purpose in duplicate of the same original of that documents for use in the completion of and for other projects in Philippines, whether contracted WITH or WITHOUT the written consent of ARCHITECT or the author of the said documents. An ARCHITECT shall incorporate his protocols in all contract documents and other submissions of these service.	CHECKED BY GREGALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015361 / Validity Dec. 26, 2017 PTR No. / Date: May 24, 1993 Place DAVAO CITY / TIN No. 184-220-220	PROJECT TITLE PROPOSED 3 STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 0076327 / Validity Dec. 26, 2017 PTR No. / Date June 19, 1996 Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEDRIOLEO J. VEGA M.D. FPCS,FPATACS) MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY:	SHEET NO. E-1 CADD BY: CHECKED BY: DATE:



RISER DIAGRAM

SCALE:
DNTS

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	RA 9266 SECTION 33	CHECKED BY: GREZALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015361 Validity Dec. 26, 2017 PTR No. Date: May 24, 1993 Place DAVAO CITY TIN No. 164-200-230	PROJECT TITLE: PROPOSED 3 STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007832 Validity Dec. 26, 2017 PTR No. Date: June 19, 1998 Place DAVAO CITY TIN No. 142-126-124	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA-M.D. FPCS.FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY:	SHEET NO. E-2 CADD BY: CHECKED BY: DATE:

SCHEDULE OF LOADS (MDP)

CKT. NO.	LOAD DESCRIPTION	VOLTS	NO. OF OUTLETS	KW POWER	AMPERES (AB)	AMPERES (BC)	AMPERES (CA)	CKT. BREAKER AT/AF	POLE	WIRE SIZE (mm^2)	RACEWAY
1	LP/PP	230		17.40	21.43	28.17	26.06	30/100	2	2-5.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
2	ACU	230		18.00	29.34	29.34	19.56	30/100	2	2-5.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
3	SPARE										
4	SPARE										
	TOTAL			35.40	50.77	57.51	45.62				

COMPUTATION

Icd = 57.77 (1.732) + 9.78 (0.25)
Icd = 102.50 Amp.

IB = 57.77 (1.732) + 9.78 (1.50)
= 114.73 Amp.

USE MAIN C.B. = 250AT/250AF, 230V, 3 POLE, 60Hz MCCB

FEEDER. 3-200.0mm^2 THHN
1-60.0mm^2 THHN
VIA 1-90mmØ IMC/PVC

GENERAL NOTES:

1. ALL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LOCAL ORDINANCES, THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY, AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
2. ALL WORKS HEREIN SHALL BE DIRECTLY SUPERVISED BY A DULY LICENSED ELECTRICAL ENGINEER AS ENFORCED BY THE NEW ELECTRICAL ENGINEERING LAW OR R.A. 7920.
3. ALL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
4. ALL MATERIALS TO BE USED SHALL BE BRAND NEW, OF THE BEST QUALITY AND OF THE APPROVED TYPE AND SHALL BEAR THE MANUFACTURER'S NAME INCLUDING THE "PSA" MARK. PULL BOXES SHALL BE PROVIDED IN APPROPRIATE AREAS EVEN IF NOT INDICATED IN THE PLAN.
5. OUTLET BOXES SHALL HAVE A MINIMUM THICKNESS OF GA. # 16 WITH 1/2 KO AND SHALL BE PAINTED WITH RED LEAD PAINT PRIOR TO INSTALLATION.
6. WIRES AND CABLES SHALL BE OF THE APPROVED TYPE AND BEARING THE "PS" MARK UNLESS SPECIFIED OR INDICATED OTHERWISE. ALL POWER AND LIGHTING CONDUCTORS SHALL BE INSULATED FOR 600 VOLTS MINIMUM.
7. LIGHTING FIXTURES SHALL CONFORM WITH THE SCHEDULE AS PREPARED BY THE ARCHITECT.
8. PANEL BOARDS SHALL CONFORM TO THE LOAD SCHEDULE AS SHOWN ON PLANS WITH RESPECT TO BREAKER PHASE ARRANGEMENT, RATING, CAPACITY AND SHORT CIRCUIT CONSIDERATION.

LEGEND

- 1-36 W DOWNLIGHT
- Sm — SINGLE POLE SWITCH
- Smn — TWO GANG SINGLE POLE SWITCH
- DUPLEX CONVENIENCE OUTLET
- AIR CONDITIONING UNIT OUTLET
- CIRCUIT BREAKER
- SWITCH LINE
- FEEDER LINE
- SERVICE ENTRANCE
- M — KILOWATT-HOUR METER
- PANELBOARD
- N — CIRCUIT HOMERUN N- INDICATES CIRCUIT NUMBER
- GROUNDING

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	RA 9266 SECTION 33	CHECKED BY GREZALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015381 / Validity Dec. 26, 2017 PTR No. / Date: May 24, 1993 Place DAVAO CITY / TIN No. 154-220-230	PROJECT TITLE PROPOSED 3-STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date: June 19, 1996 Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D., FPCS, FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. E-2 CADD BY: CHECKED BY: DATE:

SCHEDULE OF LOADS (ACU)

CKT. NO.	LOAD DESCRIPTION	VOLTS	NO. OF OUTLETS	KW POWER	AMPERES (AB)	AMPERES (BC)	AMPERES (CA)	CKT. BREAKER AT/AF	POLE	WIRE SIZE (mm^2)	RACEWAY
1	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250	9.78			30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
2	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250		9.78		30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
3	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250			9.78	30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
4	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250	9.78			30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
5	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250		9.78		30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
6	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250			9.78	30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
7	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250	9.78			30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
8	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250		9.78		30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
9	SPARE										
10	SPARE										
11	SPARE										
12	SPARE										
	TOTAL			18.00	29.34	29.34	19.56				

COMPUTATION

Icd = 29.34 (1.732) + 9.78 (0.25)
Icd = 53.26 Amp.

IB = 29.34 (1.732) + 9.78 (1.50)
= 65.48

USE MAIN C.B = 150AT/250AF, 230V, 3 POLE, 60Hz MCCB

FEEDER: 3-60.0mm² THHN
1- 8.0mm² THHN
VIA 1-40mmØ IMC/PVC

Republic of the Philippines
DEPARTMENT OF HEALTH
SOUTHERN PHILIPPINES MEDICAL CENTER
J.P. Laurel Avenue, Bajada
Davao City

PREPARED BY
PRC REG. No. | Validity
PTR No. | Date:
Place | TIN No.

RA 9266 SECTION 33
Drawings and specifications and other contract documents bearing signature of, sealed, or bearing seals of certain are the intellectual property and documents of the ARCHITECT, whether the project for which they are made is executed or not, and are collected for use primarily for the purpose of and for other purposes as may be agreed to by the ARCHITECT. Reproduction or re-use except of said documents for use in the completion of work for which they are intended, whether executed partly or in whole, without the written consent of ARCHITECT or the author of the said documents.
All ARCHITECTS shall incorporate this provision in all contract documents and other instruments of their service.

CHECKED BY
GREZALDO B. BETITA, REE
SPMC- ENGINEER III
PRC REG. NO. 0015361 | Validity Dec. 26, 2017
PTR No. | Date: May 24, 1993
Place DAVAO CITY | TIN No. 184-220-230

PROJECT TITLE
PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION
LOCATION
SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY

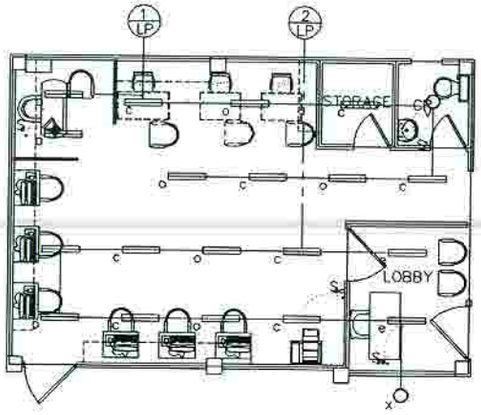
SHEET CONTENT

CHECKED BY
HENRY O. TANCIO
SPMC- ENGINEER IV
PRC REG. No. 007632 | Validity Dec. 26, 2017
PTR No. | Date June 15, 1996
Place DAVAO CITY | TIN No. 142-126-124

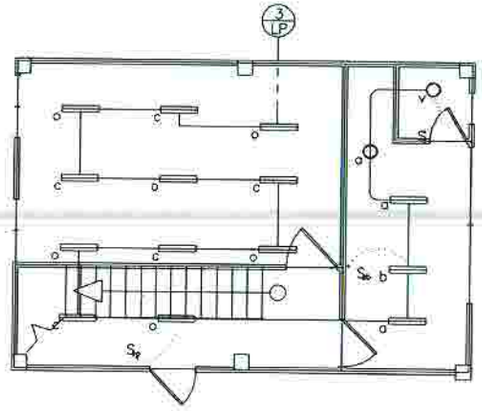
RECOMMENDING APPROVAL
LEOPOLDO J. VEGA M.D., FPCS, FPATACSI
MEDICAL CENTER CHIEF II
SOUTHERN PHILIPPINES MEDICAL CENTER

APPROVED BY

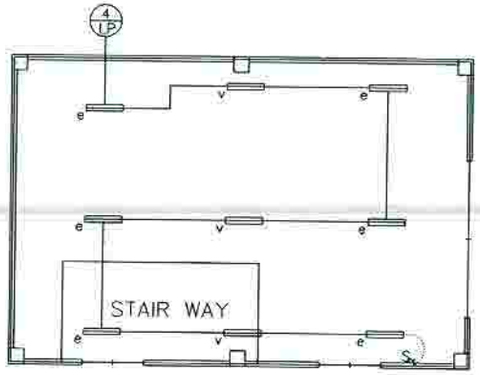
SHEET NO.
CADD BY:
CHECKED BY:
DATE:



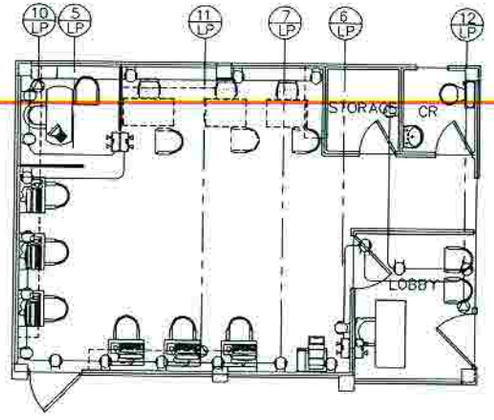
GROUND FLOOR LIGHTING PLAN
SCALE:
1:100



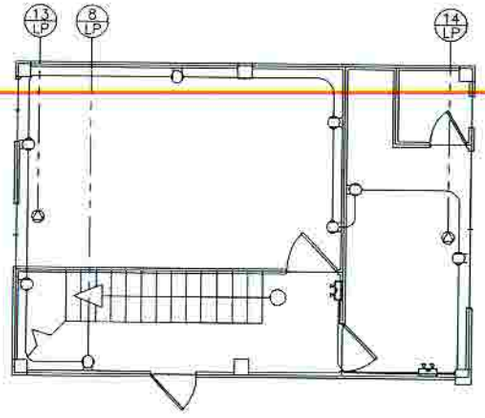
SECOND FLOOR LIGHTING PLAN
SCALE:



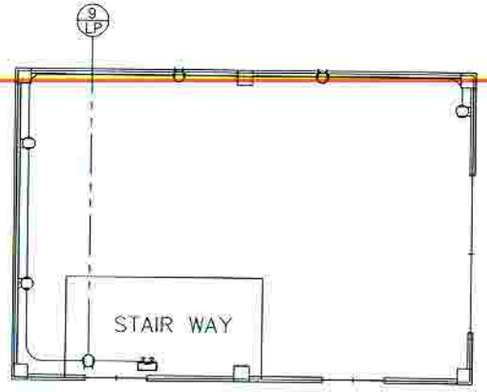
THIRD FLOOR LIGHTING PLAN
SCALE:
1:100



GROUND FLOOR POWER PLAN
SCALE:
1:100

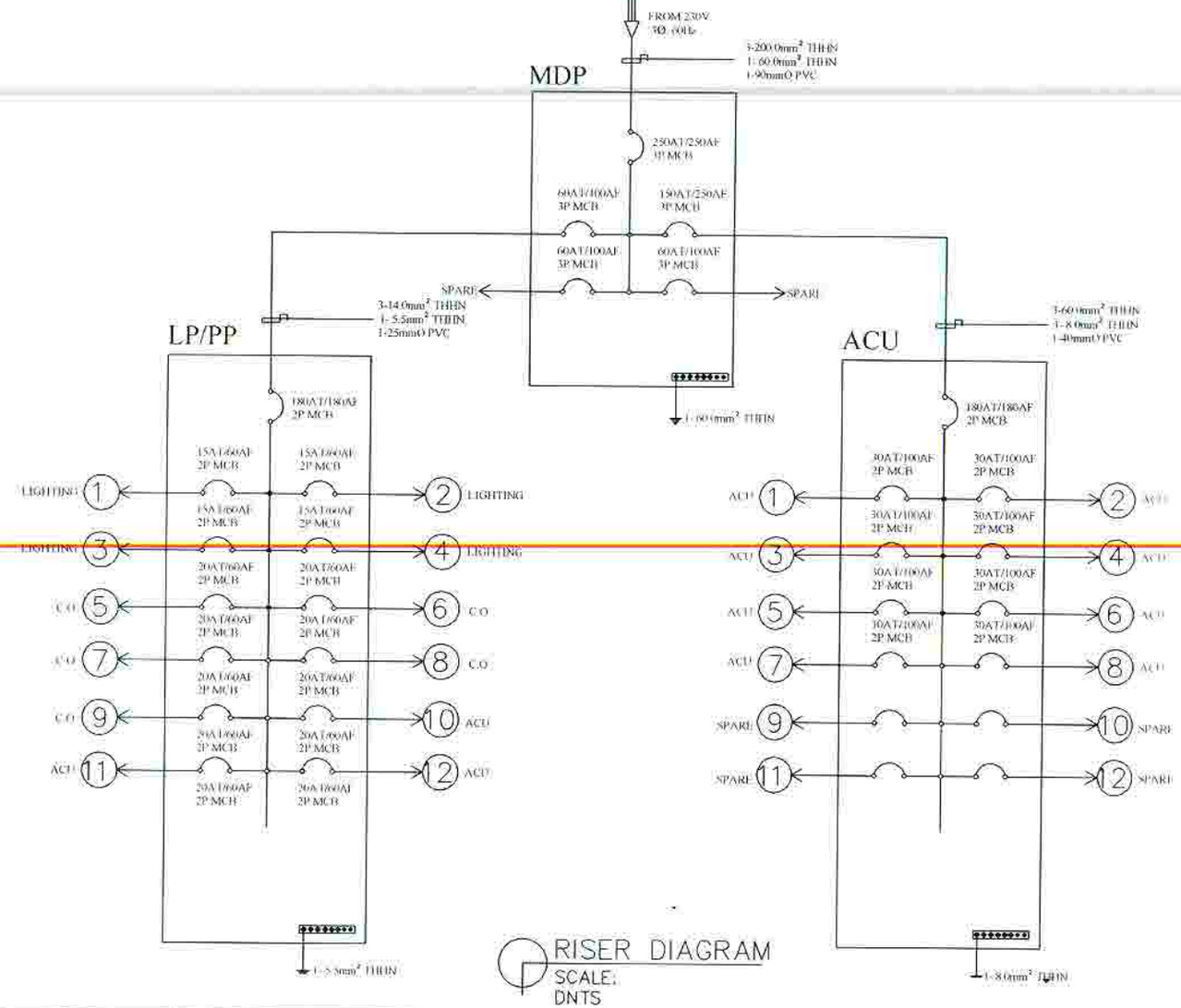


SECOND FLOOR POWER PLAN
SCALE:



THIRD FLOOR POWER PLAN
SCALE:
1:100

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	RA 9266 SECTION 33	CHECKED BY GREZALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015361 / Validity Dec. 26, 2017 PTR No. / Date: May 24, 1993 Place DAVAO CITY / TIN No. 164-220-220	PROJECT TITLE PROPOSED 1- STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 0076332 / Validity Dec. 26, 2017 PTR No. / Date: June 19, 1998 Place DAVAO CITY / TIN No. 142-128-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D. FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. E-1 CADD BY: CHECKED BY: DATE:



RISER DIAGRAM

SCALE:
DNTS

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY	RA 9266 SECTION 33	CHECKED BY	PROJECT TITLE	SHEET CONTENT	CHECKED BY	RECOMMENDING APPROVAL	APPROVED BY	SHEET NO.
	PRC REG. No. / Validity	Drawings and specifications and other original documents that remain, changed or modified, as instruments of service, are the intellectual property of the Architect, and the Architect retains the right to claim ownership and copyright of the same. Any use made is covered by RA 9266 and is subject to the provisions of Section 33 of the same, which provides that the reproduction of any such drawings, specifications and other instruments of service, or any portion thereof, for use in connection with any other project or extension of the project shall be allowed only with the express written permission of the Architect or the author of the said documents. AS ARCHITECTS shall incorporate this provision in all contract documents and other instruments of bona service.	GREZALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015361 / Validity Dec. 26, 2017 PTR No. / Date: May 24, 1993 Place: DAVAO CITY / TIN No. 164-220-230	PROPOSED 3 STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY		HENRY O. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date: June 19, 1996 Place: DAVAO CITY / TIN No. 142-125-124	LEOPOLDO J. VEGA M.D., FPCS, FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER		E-2 CADD BY: CHECKED BY: DATE:

SCHEDULE OF LOADS (LP/PP)

CKT. NO.	LOAD DESCRIPTION	VOLTS	NO. OF OUTLETS	KW POWER	AMPERES (AB)	AMPERES (BC)	AMPERES (CA)	CKT. BREAKER AT/AF	POLE	WIRE SIZE (mm^2)	RACEWAY
1	Lighting	230	10-2x28W	0.560	2.43			15/100	2	2-3.5mm^2 THHN	20mmØ
2	Lighting	230	11-2x28W	0.616	2.68			15/100	2	2-3.5mm^2 THHN	20mmØ
3	Lighting	230	17-2x28W	0.952			4.14	15/100	2	2-3.5mm^2 THHN	20mmØ
4	Lighting	230	9-2x28W	0.514	2.23			15/100	2	2-3.5mm^2 THHN	20mmØ
5	Convenience Outlet & Emergency Light	230	8-2x180W	2.880		12.52		20/100	2	2-3.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
6	Convenience Outlet & Emergency Light	230	7-2x180W	2.520			10.96	20/100	2	2-3.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
7	Convenience Outlet & Emergency Light	230	9-2x180W	3.240	14.09			20/100	2	2-3.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
8	Convenience Outlet & Emergency Light	230	10-2x180W	3.600		15.65		20/100	2	2-3.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
9	Convenience Outlet & Emergency Light	230	7-2x180W	2.520			10.96	20/100	2	2-3.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
10	SPARE										
11	SPARE										
12	SPARE										
	TOTAL			17.40	21.43	28.17	26.06				

COMPUTATION

Icd = 28.17x 1.732
Icd = 48.79 Amp.

USE MAIN C.B. = 60AT/100AF, 230V, 3 POLE, 60Hz MCCB

FEEDER: 3 - 14.0mm^2 THHN
1 - 5.5mm^2 THHN
VIA 1-25mmØ IMC/PVC

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date Place / TIN No.	RA 9266 SECTION 33	CHECKED BY GREZALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015341 / Validity Dec. 26, 2017 PTR No. / Date May 24, 1993 Place DAVAO CITY / TIN No. 154-200-230	PROJECT TITLE PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date June 19, 1996 Place DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D. FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. CADD BY: CHECKED BY: DATE:

SCHEDULE OF LOADS (ACU)

CKT. NO.	LOAD DESCRIPTION	VOLTS	NO. OF OUTLETS	KW POWER	AMPERES (AB)	AMPERES (BC)	AMPERES (CA)	CKT. BREAKER AT/AF	POLE	WIRE SIZE (mm^2)	RACEWAY
1	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250	9.78			30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
2	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250		9.78		30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
3	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250			9.78	30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
4	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250	9.78			30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
5	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250		9.78		30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
6	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250			9.78	30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
7	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250	9.78			30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
8	ACU SPLIT TYPE WALL MOUNTED 2.5HP	230	1-1x2250W	2.250		9.78		30/100	2	2-5.5mm² THHN 1-2.0mm² THHN	20mmØ
9	SPARE										
10	SPARE										
11	SPARE										
12	SPARE										
	TOTAL			18.00	29.34	29.34	19.56				

COMPUTATION

Icd = 29.34 (1.732) + 9.78 (0.25)
Icd = 53.26 Amp.

IB = 29.34 (1.732) + 9.78 (1.50)
= 65.48

USE MAIN C.B: = 150AT/250AF, 230V, 3 POLE, 60Hz MCCB

FEEDER: 3-60.0mm² THHN
1- 8.0mm² THHN
VIA 1-40mmØ IMC/PVC

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY PRC REG. No. / Validity PTR No. / Date: Place / TIN No.	RA 9266 SECTION 33	CHECKED BY GREZALDO B. BETITA, REE SPMC- ENGINEER III PRC REG. No. 0015361 / Validity Dec. 26, 2017 PTR No. / Date: May 24, 1993 Place: DAVAO CITY / TIN No. 164-220-230	PROJECT TITLE PROPOSED 3 STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION LOCATION SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY HENRY Q. TANCIO SPMC- ENGINEER IV PRC REG. No. 007632 / Validity Dec. 26, 2017 PTR No. / Date: June 19, 1996 Place: DAVAO CITY / TIN No. 142-126-124	RECOMMENDING APPROVAL LEOPOLDO J. VEGA M.D., FPCS, FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY	SHEET NO. CADD BY: CHECKED BY: DATE:

SCHEDULE OF LOADS (MDP)

CKT. NO.	LOAD DESCRIPTION	VOLTS	NO. OF OUTLETS	KW POWER	AMPERES (AB)	AMPERES (BC)	AMPERES (CA)	CKT. BREAKER AT/AF	POLE	WIRE SIZE (mm^2)	RACEWAY
1	LP/PP	230		17.40	21.43	28.17	26.06	30/100	2	2-5.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
2	ACU	230		18.00	29.34	29.34	19.56	30/100	2	2-5.5mm^2 THHN 1-2.0mm^2 THHN	20mmØ
3	SPARE										
4	SPARE										
	TOTAL			35.40	50.77	57.51	45.62				

COMPUTATION

Icd = 57.77 (1.732) + 9.78 (0.25)
Icd = 102.50 Amp.

IB = 57.77 (1.732) + 9.78 (1.50)
= 114.73 Amp.

USE MAIN C.B. = 250AT/250AF, 230V, 3 POLE, 60Hz MCCB

FEEDER: 3-200.0mm^2 THHN
1-60.0mm^2 THHN
VIA 1- 90mmØ IMC/PVC

GENERAL NOTES:

1. ALL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LOCAL ORDINANCES, THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY, AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY.
2. ALL WORKS HEREIN SHALL BE DIRECTLY SUPERVISED BY A DULY LICENSED ELECTRICAL ENGINEER AS ENFORCED BY THE NEW ELECTRICAL ENGINEERING LAW OR R.A. 7920.
3. ALL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
4. ALL MATERIALS TO BE USED SHALL BE BRAND NEW, OF THE BEST QUALITY AND OF THE APPROVED TYPE AND SHALL BEAR THE MANUFACTURER'S NAME INCLUDING THE "PSA" MARK. PULL BOXES SHALL BE PROVIDED IN APPROPRIATE AREAS EVEN IF NOT INDICATED IN THE PLAN.
5. OUTLET BOXES SHALL HAVE A MINIMUM THICKNESS OF GA. # 16 WITH 1/2 KO AND SHALL BE PAINTED WITH RED LEAD PAINT PRIOR TO INSTALLATION.
6. WIRES AND CABLES SHALL BE OF THE APPROVED TYPE AND BEARING THE "PS" MARK UNLESS SPECIFIED OR INDICATED OTHERWISE. ALL POWER AND LIGHTING CONDUCTORS SHALL BE INSULATED FOR 600 VOLTS MINIMUM.
7. LIGHTING FIXTURES SHALL CONFORM WITH THE SCHEDULE AS PREPARED BY THE ARCHITECT.
8. PANEL BOARDS SHALL CONFORM TO THE LOAD SCHEDULE AS SHOWN ON PLANS WITH RESPECT TO BREAKER PHASE ARRANGEMENT, RATING, CAPACITY AND SHORT CIRCUIT CONSIDERATION.

LEGEND

- 1-36 W DOWNLIGHT
- Sm — SINGLE POLE SWITCH
- Smn — TWO GANG SINGLE POLE SWITCH
- DUPLEX CONVENIENCE OUTLET
- AIR CONDITIONING UNIT OUTLET
- CIRCUIT BREAKER
- SWITCH LINE
- FEEDER LINE
- SERVICE ENTRANCE
- M — KILOWATT-HOUR METER
- PANELBOARD
- N — CIRCUIT HOMERUN N- INDICATES CIRCUIT NUMBER
- GROUNDING

Republic of the Philippines DEPARTMENT OF HEALTH SOUTHERN PHILIPPINES MEDICAL CENTER J.P. Laurel Avenue, Bajada Davao City	PREPARED BY: PRC REG. No. / Validity / PTR No. / Date / Place / TIN No.	RA 9266 SECTION 33	CHECKED BY: GREZALDO T. BETITA, REE SPMC- ENGINEER II; PRC REG. No. 0015361 Validity Dec. 26, 2017; PTR No. Date: May 24, 1993; Place DAVAO CITY; TIN No. 184-220-230	PROJECT TITLE: PROPOSED 3 - STOREY NEWBORN SCREENING CENTER OFFICE EXTENSION; LOCATION: SOUTHERN PHILIPPINES MEDICAL CENTER COMPOUND, J.P. LAUREL AVENUE, BAJADA, DAVAO CITY	SHEET CONTENT	CHECKED BY: HENRY Q. TANCIO SPMC- ENGINEER IV; PRC REG. No. 007632 Validity Dec. 26, 2017; PTR No. Date June 19, 1996; Place DAVAO CITY; TIN No. 142-126-124	RECOMMENDING APPROVAL: LEOPOLDO J. VEGA M.D. FPCS,FPATACSI MEDICAL CENTER CHIEF II SOUTHERN PHILIPPINES MEDICAL CENTER	APPROVED BY:	SHEET NO. E-2; CADD BY: CHECKED BY: DATE: