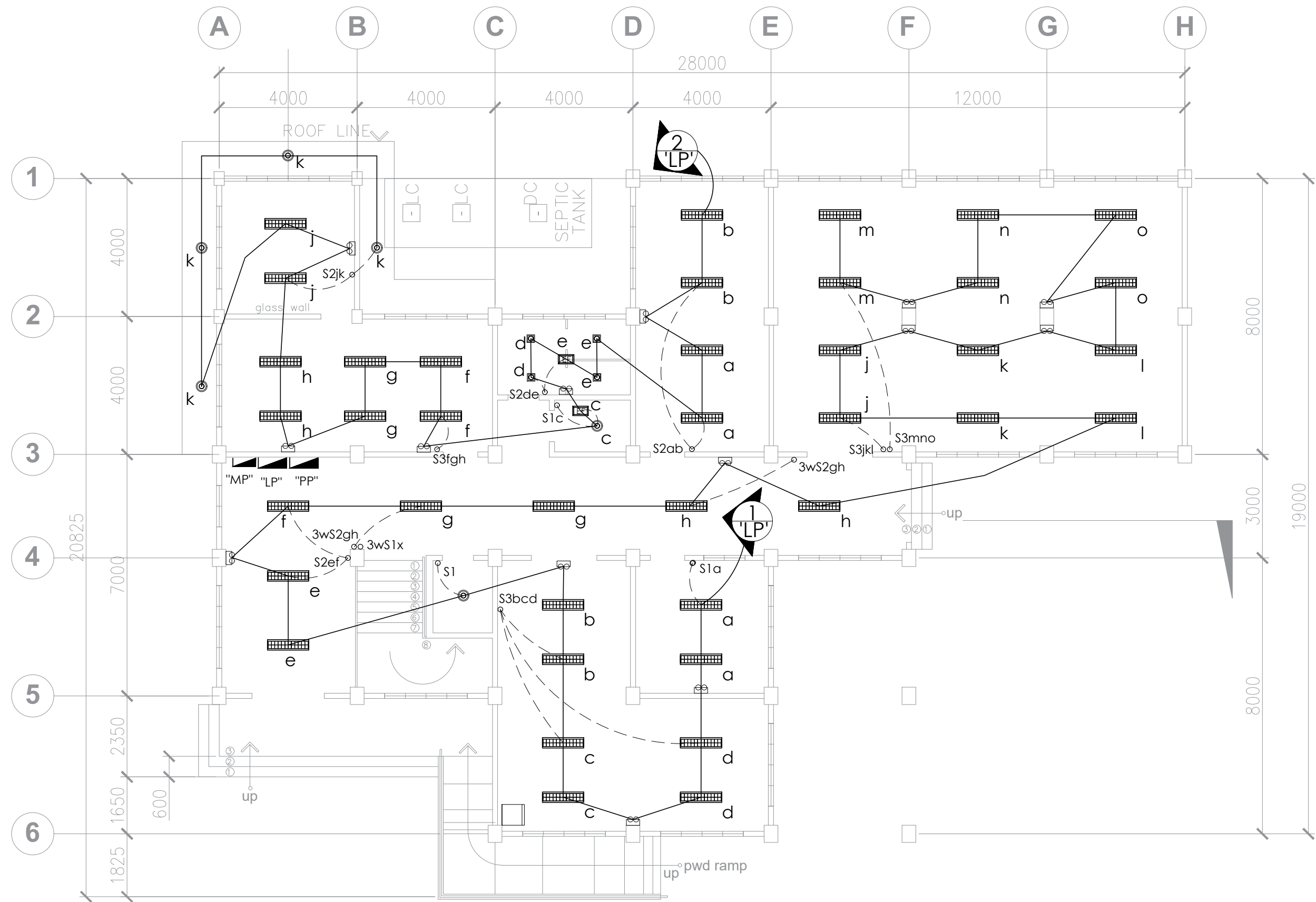
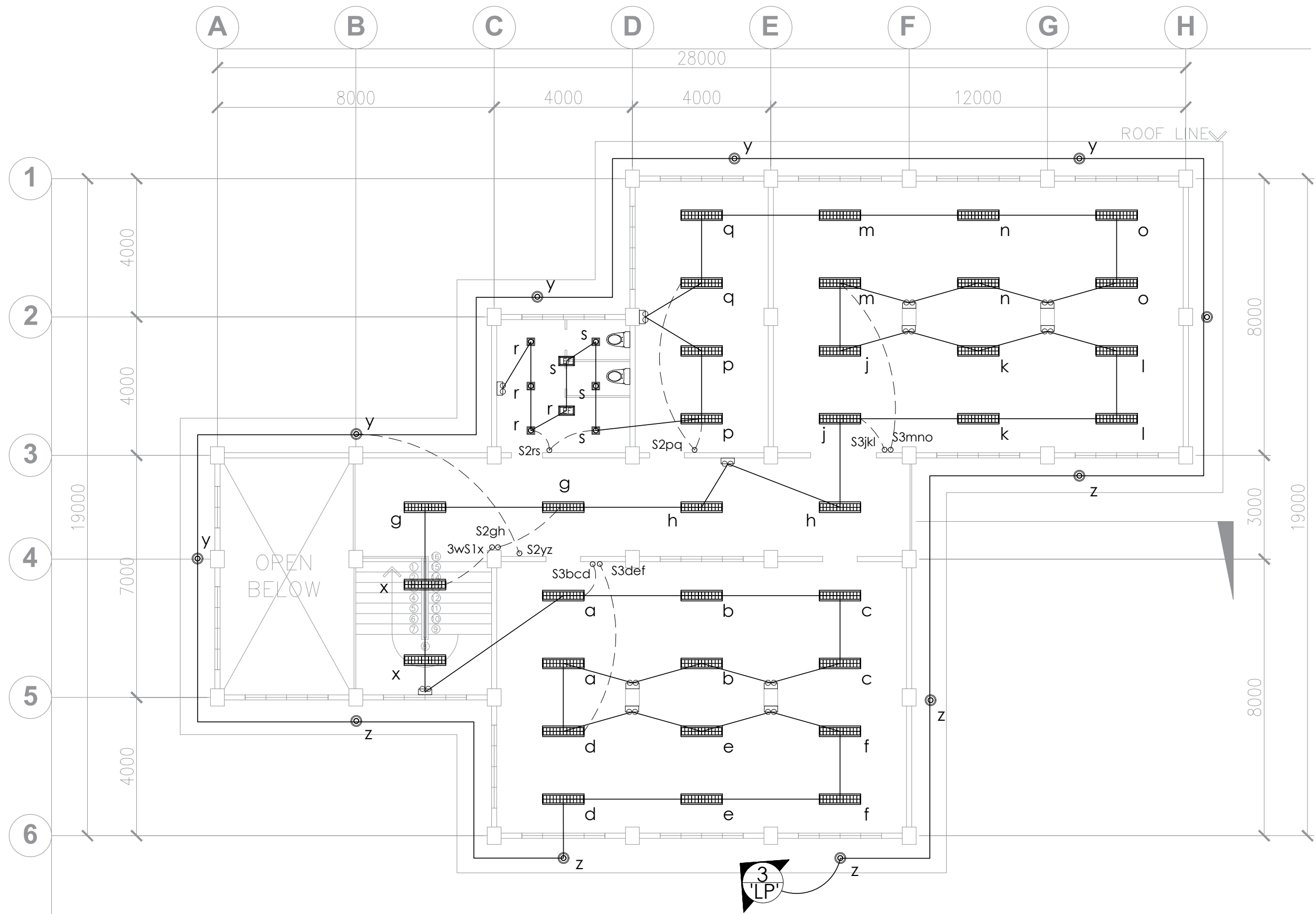




**GROUND FLOOR
LIGHTING LAY-OUT**
1
E-1 SCALE 1 : 100 M



TIN :	Prepared by:	Project Title :	Checked by :	Noted by :	Conformed by :	Approved by :	Concept by :	E1 01 SHEET NO. 01 09
PRC : 0059366	Engr. CLINT C. SARVIDA	CONSTRUCTION OF A TWO STOREY MARINE MULTI - SPECIES HATCHERY BUILDING	Engr. MARIO LILJOP. VALENZONA	ARNEL G. AGRAVA	Dr. DANIEL LESLIE A. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :	
PTR :							Date Started :	
Date : 09/30/2015							Date Finished :	
Place : Ormoc City	Electrical Engineer	Location : VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	DIRECTOR, PPO	HEAD, Office of the Planning & Institute Management VSU - Tolosa	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Place :	



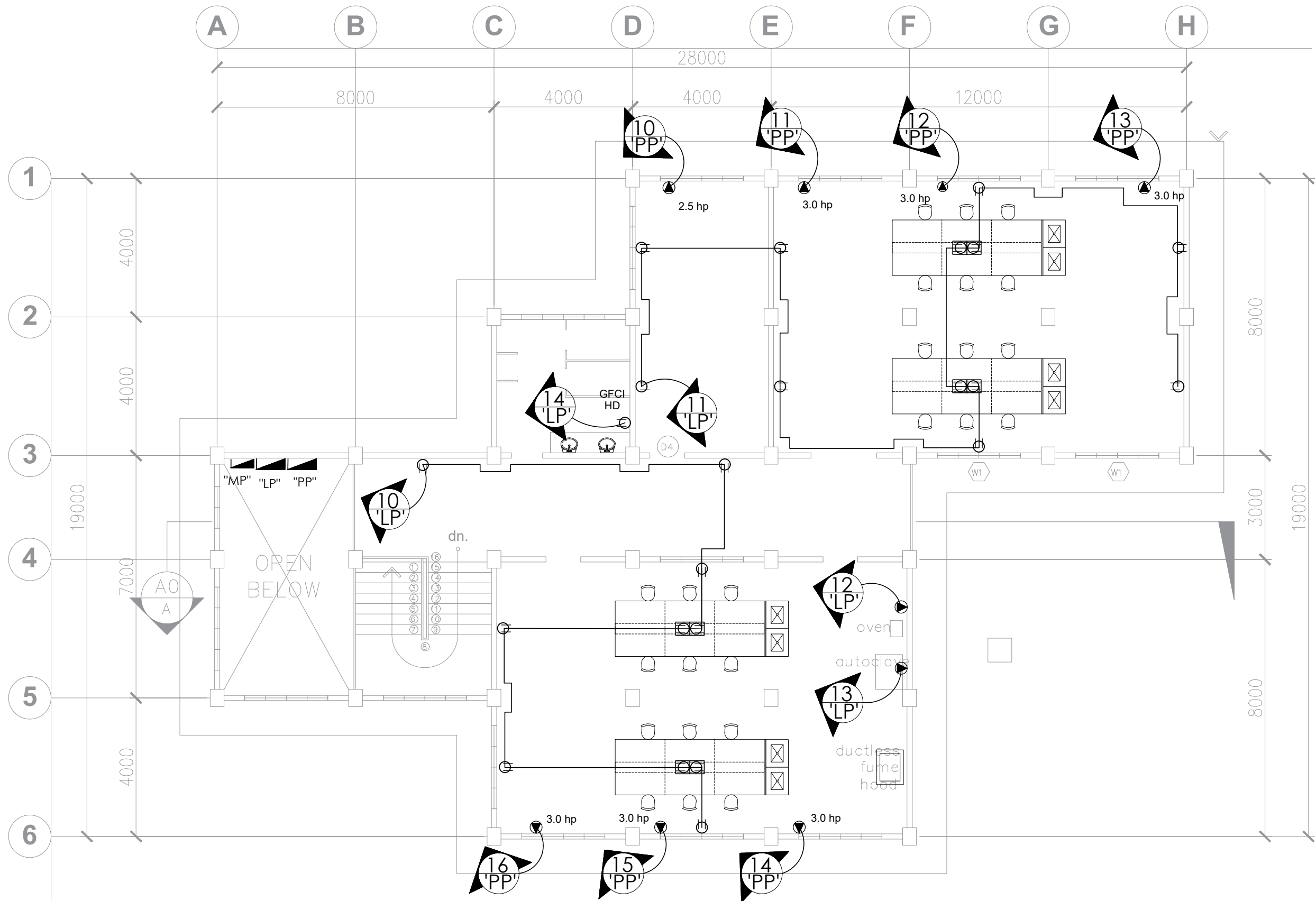
**SECOND FLOOR
LIGHTING LAY-OUT**

1
E-2

SCALE 1 : 100 M



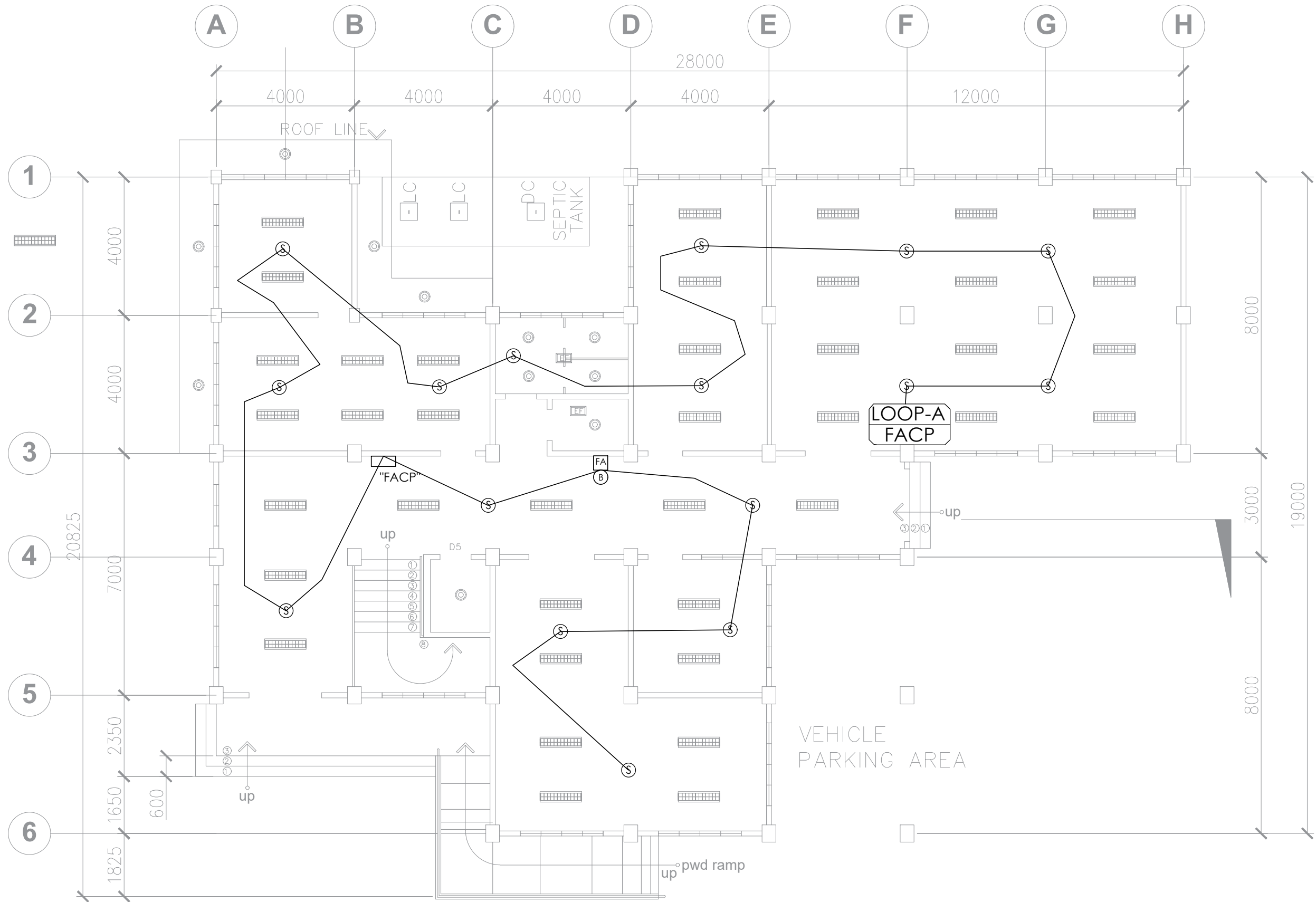
TIN :	Prepared by:	NOTES: THESE DRAWINGS ARE PREPARED FOR THE USE OF THE CLIENT AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING FROM THE USE OF THESE DRAWINGS.	Project Title :	Checked by :	Noted by :	Conformed by :	Approved by :	Concept by :	E201 SHEET NO. 0209
PRC : 0059366	Engr. CLINT C. SARVIDA		CONSTRUCTION OF A TWO STOREY MARINE MULTI - SPECIES HATCHERY BUILDING	Engr. MARIO LILJOP. VALENZONA	ARNEL G. AGRAVA	Dr. DANIEL LESLIE A. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :	
PTR :								Date Started :	
Date : 09/30/2015									
Place : Ormoc City	Client's Engineer		Location : VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	DIRECTOR, PPO	HEAD, Office of the Planning & Institute Management VSU - Tolosa	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Place :	



SECOND FLOOR
1
E-4 POWER LAY-OUT
SCALE 1 : 100 M



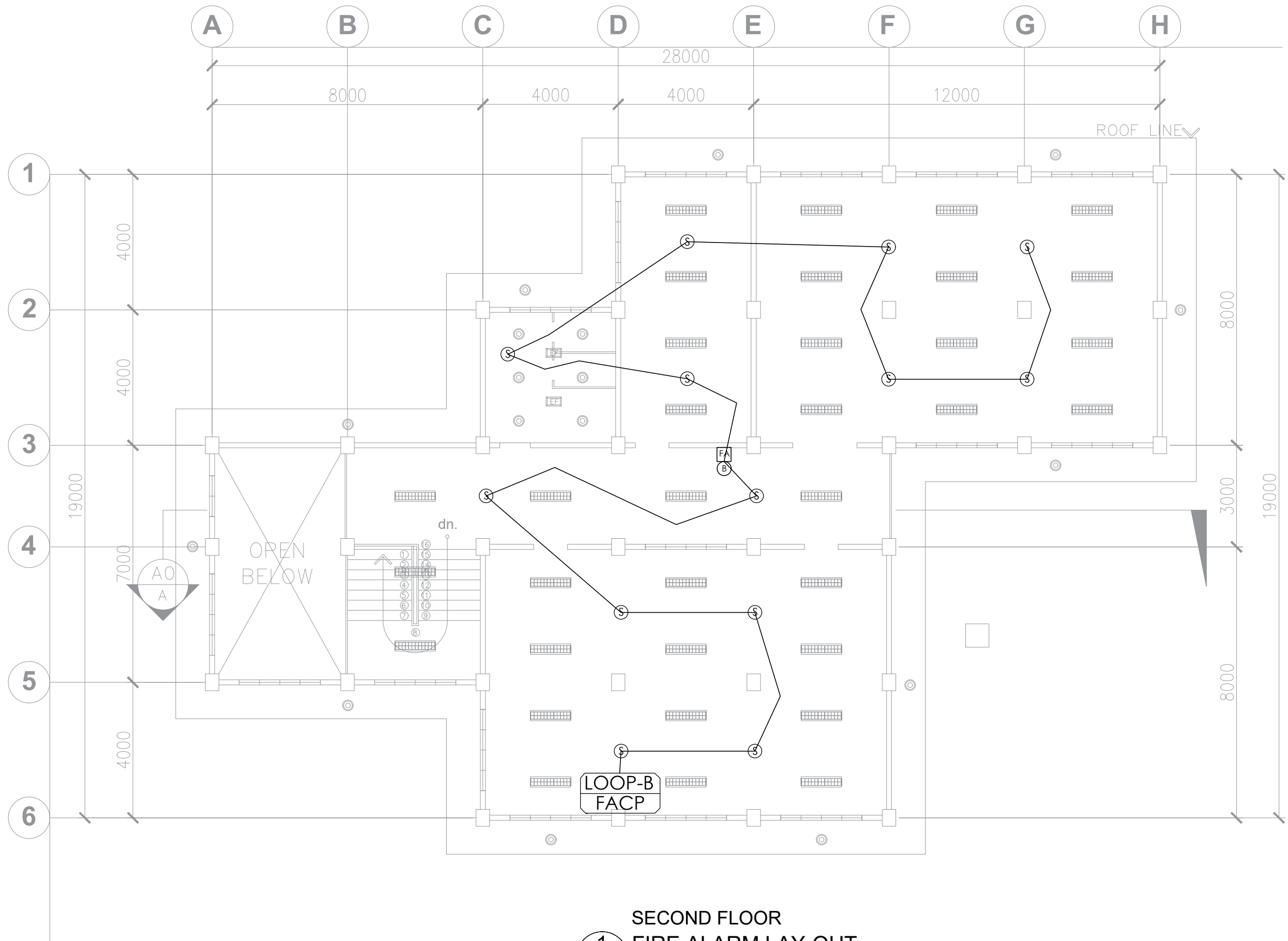
TIN :	Prepared by:	Project Title :	Checked by :	Noted by :	Conformed by :	Approved by :	Concept by :	E4 01 SHEET NO. 04 09
PRC : 0059366	Engr. CLINT C. SARVIDA	CONSTRUCTION OF A TWO STOREY MARINE MULTI - SPECIES HATCHERY BUILDING	Engr. MARIO L. VALENZONA	ARNEL G. AGRAVA	Dr. DANIEL LESLIE A. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :	
PTR :							Date Started :	
Date : 09/30/2015							Date Finished :	
Place : Ormoc City	Electrical Engineer	Location : VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	DIRECTOR, PPO	HEAD, Office of the Planning & Institute Management VSU - Tolosa	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Place :	



GROUND FLOOR
1
E-5
FIRE ALARM LAY-OUT
SCALE 1 : 100 M



TIN :	Prepared by:	# 101 THE STUDENT PROJECTS AT THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY ARE THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY. THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY ARE THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY. THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY ARE THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY. THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY ARE THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY. THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY ARE THE STUDENT PROJECTS OF THE SCHOOL OF ENGINEERING AND ARCHITECTURE OF VSU - TACLOBAN CITY. 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1
E-6

SECOND FLOOR
FIRE ALARM LAY-OUT

SCALE 1 : 100 M



TIN :	Prepared by:	# 001 NOTES: 1. THIS DRAWING IS THE PROPERTY OF VSU. IT IS TO BE USED ONLY FOR THE PROJECT FOR WHICH IT WAS PREPARED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM VSU. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR ANY VIOLATION OF THE BUILDING CODES AND STANDARDS. THE USER SHALL BE RESPONSIBLE FOR ANY VIOLATION OF THE BUILDING CODES AND STANDARDS. THE USER SHALL BE RESPONSIBLE FOR ANY VIOLATION OF THE BUILDING CODES AND STANDARDS.	Project Title :	Checked by :	Noted by :	Conformed by :	Approved by :	Concept by :	E6 01 SHEET NO. 06 09
PRC : 0059366	Engr. CLINT C. SARVIDA		CONSTRUCTION OF A TWO STOREY MARINE MULTI - SPECIES HATCHERY BUILDING	Engr. MARIO LILIO P. VALENZONA	ARNEL G. AGRAVA	Dr. DANIEL LESLIE A. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :	
PTR :			Location : VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	DIRECTOR, PPO	HEAD, Office of the Planning & Institute Management VSU - Tolosa	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Date Started :	
Date : 09/30/2015								Date Finished :	
Place : Ormoc City	Engr. CLINT C. SARVIDA							Place :	

PROJECT NAME:		CONSTRUCTION OF A TWO-STOREY MARINE MULT-SPECIES HATCHERY BUILDING												WIRE COLOR CODING :			
ADDRESS:		VSU TOLOSA CAMPUS, TANGHAS, TOLOSA, LEYTE, PHILIPPINES												L1- RED			
PANEL NAME:		"LP"												L2- YELLOW			
ENCLOSURE:		NEMA 3R												L3- BLUE			
LOAD CONFIGURATION: DELTA CONNECTED LOAD		SYSTEM : THREE PHASE CORNER GROUNDED DELTA CONNECTION												G- GREEN			
		VOLTAGE: 240 VOLTS															
		FREQUENCY: 60 HZ															
CKT. NO.	LOAD DESCRIPTION	OTHERS	LOAD (VA)	LOAD IN AMPERE				OVERCURRENT PROTECTION (INVERSE TIME DELAY)					WIRES (THHN/THW)			CONDUITS (PVC)	REMARKS
				AB	BC	CA	3Ø	AT	AF	P	KAIC	TYPE	SETS	PHASE	EGC		
1	LIGHTING OUTLET (28 units)	9 em. lights	2347	9.78				20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
2	LIGHTING OUTLET (21 units)	5 em. lights & 2 exh.fan	1147	4.78				20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
3	LIGHTING OUTLET (51 units)	12 em. lights & 2 exh.fan	3095		12.90			20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
4	FIRE ALARM CIRCUIT		500		2.08			20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
5	RECEPTACLE OUTLET (11 units)		2200			9.17		20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
6	RECEPTACLE OUTLET (7 units)		1400			5.83		20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
7	RECEPTACLE OUTLET (13 units)		2600	10.83				20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
8	AUTOCLAV		2880	12.00				20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
9	HAND DRYER		1800		7.50			20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
10	RECEPTACLE OUTLET (10 units)		2000		8.33			20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
11	RECEPTACLE OUTLET (12 units)		2400			10.00		20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
12	OVEN		2000			8.33		20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
13	AUTOCLAV		2880	12.00				20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
14	HAND DRYER		1800	7.50				20	50	2	8	MCCB	1	3.5 mm2	3.5 mm2	20 mm dia.	
15	SPARE		1000		4.17			20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
16	SPARE		1000		4.17			20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
17	SPARE		1000			4.17		20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
18	SPARE		1000			4.17		20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
19	SPACE			0.00				-	-	-	-	-	-	-	-	20 mm dia.	20 mm dia. conduit stud
20	SPACE			0.00				-	-	-	-	-	-	-	-	20 mm dia.	20 mm dia. conduit stud
21	SPARE		1000		4.17			20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
22	SPARE		1000		4.17			20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
23	SPARE		1000			4.17		20	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud
24	SPARE		1000			4.17		20	50	2	8	MCCB	-	-	-	-	
TOTAL			37049	56.89	47.48	50.00	0										
1. TOTAL LOAD																	
= 37049 VA																	
D.F. = $\frac{0.8}{29639.2}$ VA																	
2. LINE CURRENT																	
71.30 A																	
FEEDER AND CONDUIT SIZE:																	
Use : 3 - 30mm2 THHN/THW + 8.0mm2 TW wire in 32 mm dia. IMC pipe																	
FEEDER PROTECTION SIZE:																	
Use : 80 AT/ 80AF, 3P, 18KAIC, MCCB																	

PANEL "LP"

1
E-7

NOT TO SCALE

SCHEDULE OF LOADS



TIN :
PRC : 0059366
PTR :
Date : 09/30/2015
Place : Ormoc City

Prepared by:

Engr. CLINT C. SARVIDA

Checked by:

Engr. CLINT C. SARVIDA

Project Title :

CONSTRUCTION OF A TWO STOREY MARINE
MULTI - SPECIES HATCHERY BUILDING

Location : VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines

Checked by :

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Concept by :
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Date Started :
Date Finished :
Place :

E8 01
SHEET NO.
07 09

PROJECT NAME:			CONSTRUCTION OF A TWO-STOREY MARINE MULT-SPECIES HATCHERY BUILDING											WIRE COLOR CODING :						
ADDRESS:			VSU TOLOSA CAMPUS, TANGHAS, TOLOSA, LEYTE, PHILIPPINES											L1- RED L2- YELLOW L3- BLUE G- GREEN						
PANEL NAME:			"PP"					SYSTEM :		THREE PHASE CORNER GROUNDED DELTA CONNECTION										
ENCLOSURE:			NEMA 3R					VOLTAGE:		240 VOLTS										
LOAD CONFIGURATION:			DELTA CONNECTED LOAD					FREQUENCY:		60 HZ										
CKT. NO.	LOAD DESCRIPTION	OTHERS	LOAD (VA)	LOAD IN AMPERE				OVERCURRENT PROTECTION (INVERSE TIME DELAY)					WIRES (THHN/THW)			CONDUITS (PVC)	REMARKS			
				AB	BC	CA	3Ø	AT	AF	P	KAIC	TYPE	SETS	PHASE	EGC					
1	AIRCONDITIONER (3.0 HP)		4080	17.00				30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
2	AIRCONDITIONER (1.5 HP)		1231	5.13				30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
3	AIRCONDITIONER (2.5 HP)		2425		10.10			30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
4	AIRCONDITIONER 3.0 HP)		3200		13.33			30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
5	AIRCONDITIONER 3.0 HP)		3200			13.33		30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
6	AIRCONDITIONER 3.0 HP)		3200			13.33		30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
7	AIRCONDITIONER (1.5 HP)		1231	5.13				30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
8	AIRCONDITIONER (2.0 HP)		1810	7.54				30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
9	AIRCONDITIONER (2.0 HP)		1810		7.54			30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
10	AIRCONDITIONER (2.5 HP)		2425		10.10			30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
11	AIRCONDITIONER (3.0 HP)		3200			13.33		30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
12	AIRCONDITIONER (3.0 HP)		3200			13.33		30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
13	AIRCONDITIONER (3.0 HP)		3200	13.33				30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
14	AIRCONDITIONER (3.0 HP)		3200	13.33				30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
15	AIRCONDITIONER (3.0 HP)		3200		13.33			30	50	2	8	MCCB	1	5.5 mm2	3.5 mm2	20 mm dia.				
16	AIRCONDITIONER (3.0 HP)		3200		13.33			30	50	2	8	MCCB	2	5.5 mm3	3.5 mm3	21 mm dia.				
17	SPARE		2400			10		30	50	2	8	MCCB	1	-	-	20 mm dia.	20 mm dia. conduit stud			
18	SPACE		2400			10		30	50	2	8	MCCB	-	-	-	20 mm dia.	20 mm dia. conduit stud			
TOTAL			48612	61.47	67.75	73.33	0													
1. TOTAL LOAD =48612 VA D.F. = 0.9 43750.8 VA 2. LINE CURRENT 105.25 A FEEDER AND CONDUIT SIZE: Use : 3 - 60mm2 THHN/THW + 22mm2 TW wire in 50 mm dia. IMC pipe FEEDER PROTECTION SIZE: Use : 150 AT/ 150AF, 3P, 18KAIC, MCCB																				

PROJECT NAME:		CONSTRUCTION OF A TWO-STOREY MARINE MULT-SPECIES HATCHERY BUILDING												WIRE COLOR CODING :					
ADDRESS:		VSU TOLOSA CAMPUS, TANGHAS, TOLOSA, LEYTE, PHILIPPINES												L1- RED L2- YELLOW L3- BLUE G- GREEN					
PANEL NAME:		"MDP"						SYSTEM :		THREE PHASE CORNER GROUNDED DELTA CONNECTION									
ENCLOSURE:		NEMA 3R						VOLTAGE:		240 VOLTS									
LOAD CONFIGURATION:		DELTA CONNECTED LOAD						FREQUENCY:		60 HZ									
CKT. NO.	LOAD DESCRIPTION	OTHERS	LOAD (VA)	LOAD IN AMPERE				OVERCURRENT PROTECTION (INVERSE TIME DELAY)					WIRES (THHN/THW)			CONDUITS (PVC)	REMARKS		
				L1	L2	L3	3Ø	AT	AF	P	KAIC	TYPE	SETS	PHASE	EGC				
1	PANEL "LP"		37049	71.30	71.30	71.30		-	-	-	-	-	1	30 mm2	14 mm2	32 mm dia.			
2	PANEL "PP"		48612	105.25	105.25	105.25		-	-	-	-	-	1	60 mm2	22 mm2	50 mm dia.			
TOTAL			85661	176.55	176.55	176.55	0												
1. TOTAL LOAD =85661 VA D.F. = 0.8 68528.8 VA 2. LINE CURRENT 164.86 A																			
FEEDER AND CONDUIT SIZE: Use : 3 - 100mm2 THHN/THW + 30mm2 TW wire in 65 mm dia. IMC pipe FEEDER PROTECTION SIZE: Use : 200 AT/ 200AF, 3P, 25KAIC, MCCB																			

1

E-8

PANEL "PP" & "MDP"

SCHEDULE OF LOADS

NOTTOSCALE



TIN :	Prepared by: Engr. CLINT C. SARVIDA Structural Engineer	# 177 THIS DOCUMENT PREPARED BY THE ARCHITECTURAL DIVISION OF THE UNIVERSITY OF TOLOSA, LEYTE, PHILIPPINES. THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND IS NOT TO BE RELEASED TO THE PUBLIC WITHOUT THE WRITTEN AUTHORIZATION OF THE UNIVERSITY OF TOLOSA, LEYTE, PHILIPPINES. THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND IS NOT TO BE RELEASED TO THE PUBLIC WITHOUT THE WRITTEN AUTHORIZATION OF THE UNIVERSITY OF TOLOSA, LEYTE, PHILIPPINES.	Project Title :	Checked by :	Noted by :	Conformed by :	Approved by :	Concept by :	E901 SHEET NO. 0809
PRC : 0059366			CONSTRUCTION OF A TWO STOREY MARINE MULTI - SPECIES HATCHERY BUILDING	Engr. MARIO LILJOP. VALENZONA	ARNEL G. AGRAVA	Dr. DANIEL LESLIE A. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :	
PTR :			Location : VSU Tolosa Campus, Tanghas, Tolosa, Leyte, Philippines	DIRECTOR, PPO	HEAD, Office of the Planning & Institute Management VSU - Tolosa	VP OF ADMINISTRATIVE AND FINANCE	VSU PRESIDENT	Date Started :	
Date : 09/30/2015								Date Finished :	
Place : Ormoc City								Place :	

1 GENERAL NOTES

- NOT
- TO
- SCALE
1. ALL ELECTRICAL WORKS SHALL COMPLY IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS, THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC), THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND THE REQUIREMENTS OF THE LOCAL POWER COMPANY. THE ELECTRICAL WORKS SHALL BE UNDER IMMEDIATE SUPERVISION OF A DULLY REGISTERED ELECTRICAL ENGINEER.
2. THE ELECTRICAL SERVICE POWER IS 3 - PHASE, 3 WIRE + GROUND 230 V AC, 60Hz.
3. WIRING METHOD SHALL BE AS FOLLOWS :

a. FEEDERS AND RISERS - POLYVINYL CHLORIDE CONDUIT

b. LIGHTING, POWER RECEPTACLE

BRANCH CKT., & AUXILLARY - POLYVINYL CHLORIDE CONDUIT
4. ALL WIRES SHALL BE COPPER AND THERMOPLASTIC INSULATED TYPE "THHN" UNLESS OTHERWISE INDICATED IN THE PLAN. THE MINIMUM SIZE OF WIRE FOR POWER AND LIGHTING CIRCUIT HOME RUN SHALL BE 3.5 mm AND INSULATED FOR 600 VOLTS. SMALLEST RACEWAY SHALL BE 15 mm2 TRADE/NOMINAL SIZE. LIKEWISE ALL ELECTRICAL WIRES SHALL BE COLOR CODED.
5. ALL OUTLET BOXES SHALL BE GALVANIZED GAGE NO. 16 DEEP TYPE WITH FACTORY KNOCKOUTS.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE FOR THE PARTICULAR LOCATION AND PURPOSE OF USAGE.
7. EQUIPMENT GROUNDING SYSTEM SHALL BE PROVIDED TO ELECTRICAL SYSTEM AS PER ELECTRICAL CODE REQUIREMENT.
8. MOUNTING HEIGHT OF WIRING DEVICES SHALL BE AS FOLLOWS :

a. LIGHT SWITCH - 1.20 M ABOVE FINISHED FLOOR

b. CONVENIENCE OUTLET - 0.30 M ABOVE FINISHED FLOOR

c. PANELBOARD - 1.80 M ABOVE FINISHED FLOOR

d. FIRE ALARM STATION OUTLET - 1.50 ABOVE FINISHED FLOOR

e. PUSH BOTTON OUTLET - 1.20 M ABOVE FINISHED FLOOR

f. FIRE ALARM AND VIBRATING BELL - 0.30 M BELOW CEILING LINE

2 ELECTRICAL LEGEND

- NOT
- TO
- SCALE
- 3 WATTS SQUARE LIGHT

7 WATTS CIRCULAR PINLIGHT

20 WATTS CIRCULAR LIGHTING FIXTURE

2x40W FLOURESCENT LAMP LIGHTING FIXTURE

EXHAUST FAN

BATTERY POWERED EMERGENCY LIGHT

S1 ONE GANG SWITCH WITH LED INDICATOR

S2 TWO GANG SWITCH WITH LED INDICATOR

S3 THREE GANG SWITCH WITH LED INDICATOR

3wS1 THREE WAY ONE GANG SWITCH

3wS2 THREE WAY TWO GANG SWITCH

DUPEX RECEPTACLE OUTLET WITH GROUND PRONG

DUPEX FLOOR RECEPTACLE OUTLET WITH GROUND

DUPEX RECEPTACLE OUTLET WITH GROUND PRONG (COUNTER HEIGHT)

SPACIAL PURPOSE OUTLET WITH GROUND PRONG

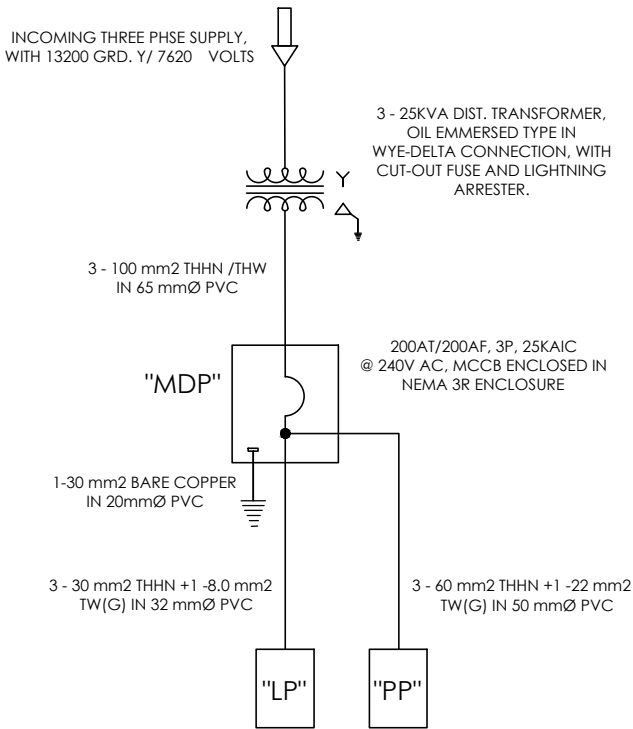
SMOKE DETECTOR

HEAT DETECTOR

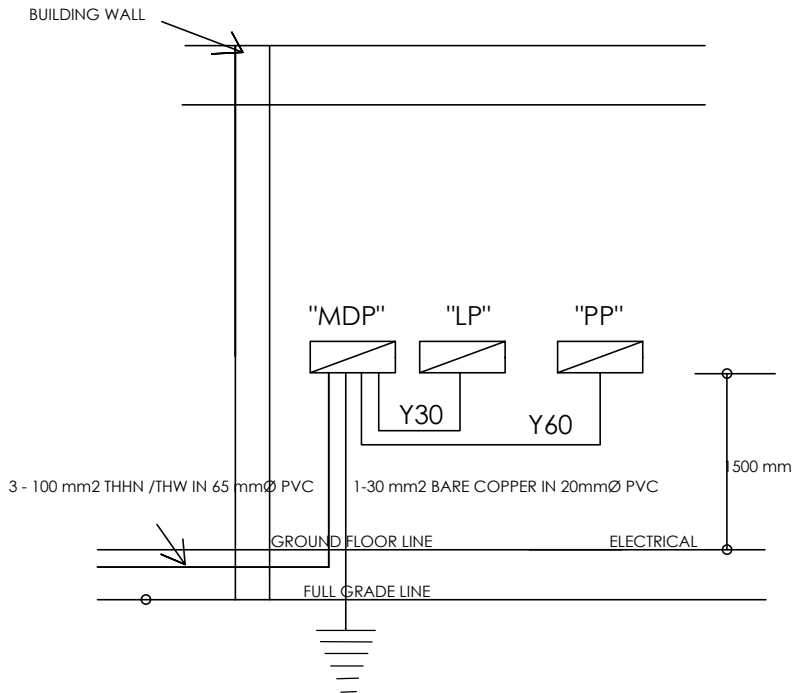
FIRE ALARM BELL & MANUAL CALL POINT

FIRE ALARM CONTROL PANEL

PANEL BOARD WITH NEMA ENCLOSURE



4 SINGLE LINE DIAGRAM



3 RISER DIAGRAM



TIN :	Prepared by:		Project Title :	Checked by :	Noted by :	Conformed by :	Approved by :	Concept by :	E704 SHEET NO. 0909
PRC : 0059366	Engr. CLINT C. SARVIDA		CONSTRUCTION OF A TWO STOREY MARINE MULTI - SPECIES HATCHERY BUILDING	Engr. MARIO LILLO P. VALENZONA	ARNEL G. AGRAVA	Dr. DANIEL LESLIE A. TAN	Dr. EDGARDO E. TULIN	AutoCAD by :	
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