



Name of Contract : REPAIR OF MULTI-PURPOSE SHED,  
COMFORT ROOM AND STEEL CANOPY  
Location of Project : Port of Kolambugan, Lanao del Norte  
Reference Number : CW 003- 2023

### QUOTATION (BILL OF QUANTITIES)

Project Name : REPAIR OF MULTI-PURPOSE SHED, COMFORT ROOM AND STEEL CANOPY  
Project Location : Port of Kolambugan, Lanao del Norte

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
I	<b>Chipping-off,Excavate and Removal of Existing Structures</b>	lot	1.00	P	P
Chipping-off concrete portion,removal of dilapidated roof and excavate existing flooring prior for foundation.This is to include disposal of unnecessary debris as indicated in the plan.					
(Pesos					
II	<b>Supply and Place Filling Materials</b>	cu.m.	5.00	P	P
Chipping-off concrete portion,removal of dilapidated roof and excavate existing flooring prior for foundation.This is to include disposal of unnecessary debris as indicated in the plan.					
(Pesos					
III	<b>Supply and Place Concrete (3,500 psi)</b>	cu.m.	8.00	P	P
Supply and place concrete for concrete footings,column and concrete flooring as indicated in the plan.					
(Pesos					
IV	<b>Supply and Install Reinforcing Bars</b>	kgs.	560.00	P	P
Supply and install reinforcements for concrete footings,pedestal,affected concrete flooring and etc. as indicated in the plan.					
(Pesos					
V	<b>Supply and Install Steel Framing Accessories</b>	lot	1.00	P	P
Supply and install various G.I. post and steel roof framing accessories as indicated in the plan.					
(Pesos					
VI	<b>Supply and Install of Various Roof Panels &amp; Accessories</b>	lot	1.00	P	P
Supply and install various roof panes to include installation of PVC pipe downspouts as indicated in the plan.					
(Pesos					
<b>SUB - TOTAL A</b>					<b>P</b>

SUBMITTED BY :



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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
VII	<b>Supply and Install of Door and Window</b>	lot	1.00	P	P
Supply and install designated door and window as indicated in the plan.					
(Pesos					
VIII	<b>Ceiling Works</b>	sq.m.	43.00	P	P
Supply and install hardilite ceiling panel and accessories as indicated in the plan.					
(Pesos					
IX	<b>Masonry Works</b>	sq.m.	5.00	P	P
Supply, deliver and install 4" thk. Concrete hollow blocks with reinforcements including mortar and plastering finishes as indicated in the plan.					
(Pesos					
X	<b>Tileworks</b>	sq.m.	51.00	P	P
Supply and install various floor tiles, wall tiles and accessories as indicated in the plan.					
(Pesos					
XI	<b>Plumbing Works</b>	lot	1.00	P	P
Supply and install new plumbing fixtures as indicated in the plan.					
(Pesos					
XII	<b>Painting Works</b>	sq.m.	225.00	P	P
Surface preparation and application of 1 primer paint and 2 coats of final paint on all masonry and steel surfaces as indicated in the plan.					
(Pesos					
<b>SUB - TOTAL B</b>					<b>P</b>

SUBMITTED BY :



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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (Pesos)	AMOUNT (Pesos)
XIII	<b>Electrical Works</b>	lot	1.00	P	P
Supply and install various electrical lightings and wirings, including tapping to existing power connection as per plan and specifications.					
(Pesos)					
XIV	<b>Permits and Clearances</b>	lot	1.00	P	P
Secure building permit and occupancy permit					
(Pesos)					
X-X-X-X-X-X-X-X-X-X-X-					
<b>SUB - TOTAL C</b>					P
<b>GRAND TOTAL</b>					P

IN WORDS :

CALENDAR DAYS TO COMPLETE : 75 CD

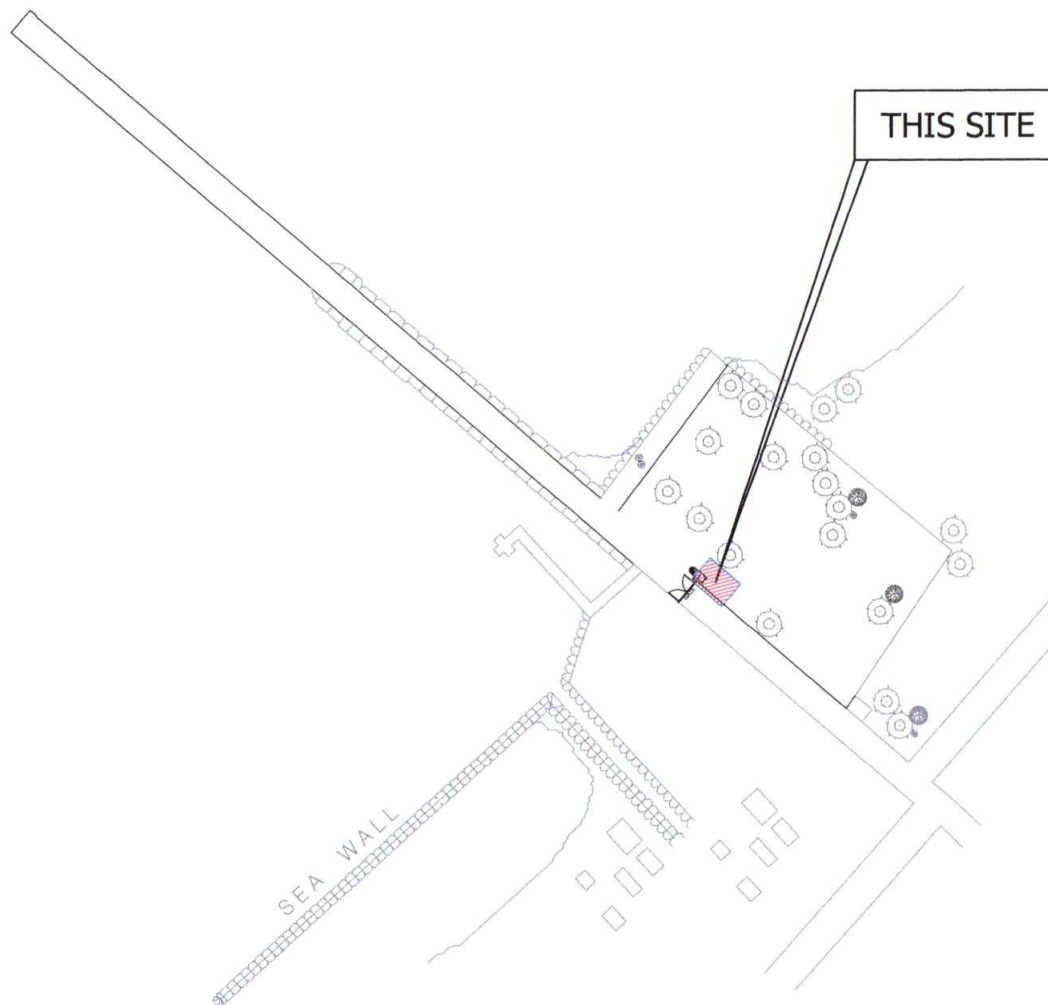
NOTE : 1 For Labor, Material and Equipments  
2 For details please refer to the Engineering Services Division

SUBMITTED BY :

NAME OF THE REPRESENTATIVE OF THE BIDDER

NAME OF BIDDER





## SITE DEVELOPMENT PLAN

SCALE:

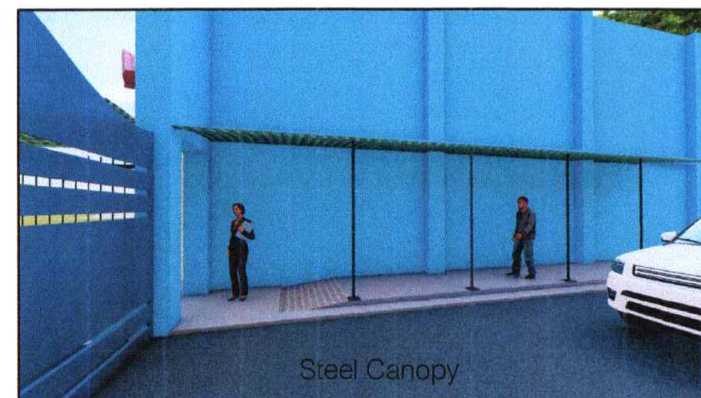
NTS.



## LOCATION PLAN



Multi-Purpose Shed and Comfort Room



Steel Canopy



## PERSPECTIVE VIEWS

SCALE:

NTS.



TITLE:

**REPAIR OF MULTI-PURPOSE SHED, COMFORT ROOM AND STEEL CANOPY**

LOCATION:

PORT OF KOLAMBUGAN, LANA O DEL NORTE

PREPARED BY:

SGD.  
ARNEL C. OCLARINO  
Senior Engineer A

CHECKED BY:

SGD.  
COLIN KAY R. CAJOTE  
Supervising Engineer A

RECOMMENDED BY:

SGD.  
JOEL B. ESCALA  
ESD Manager

APPROVED:

SGD.  
MEDARDO I. SOSOBRADO, JR.  
Acting Port Manager

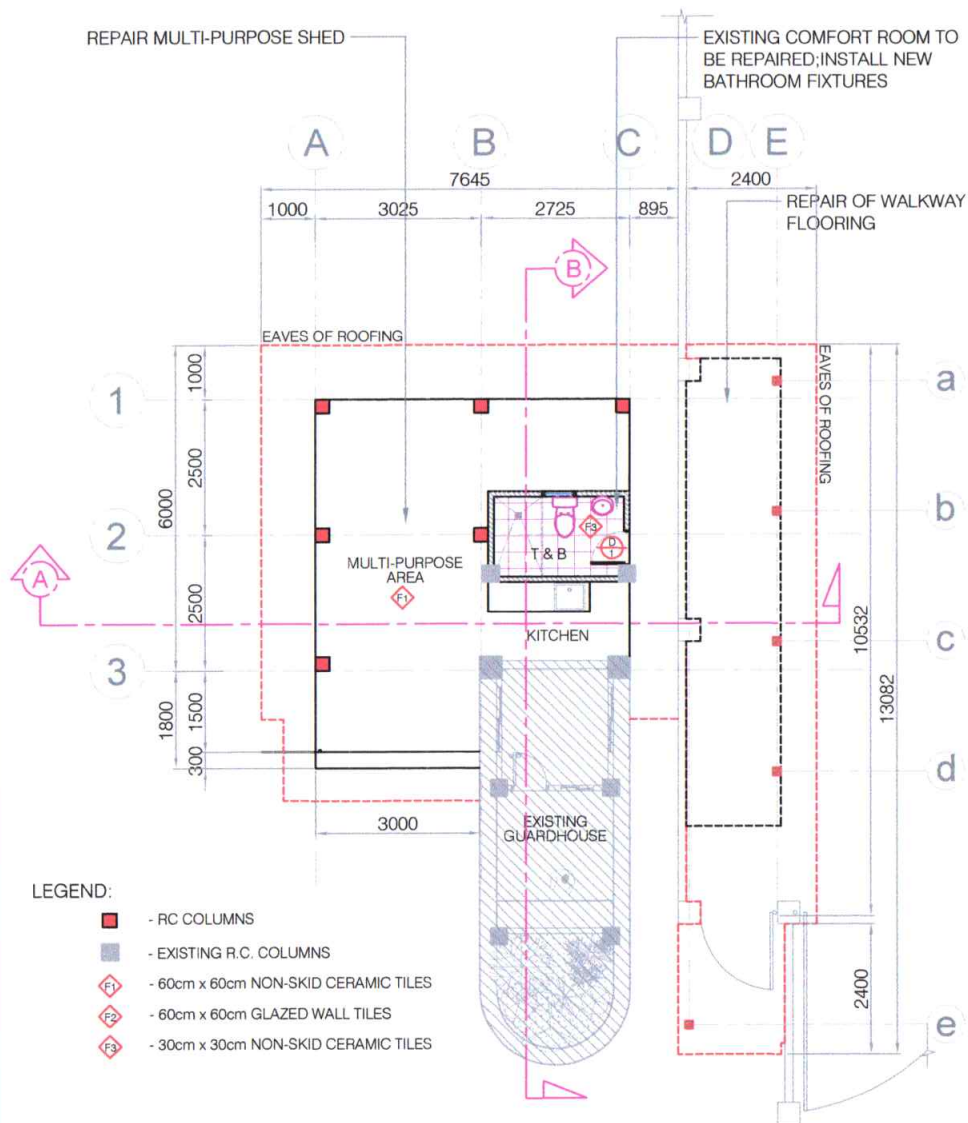
ARCHITECTURAL

SHEET NO.

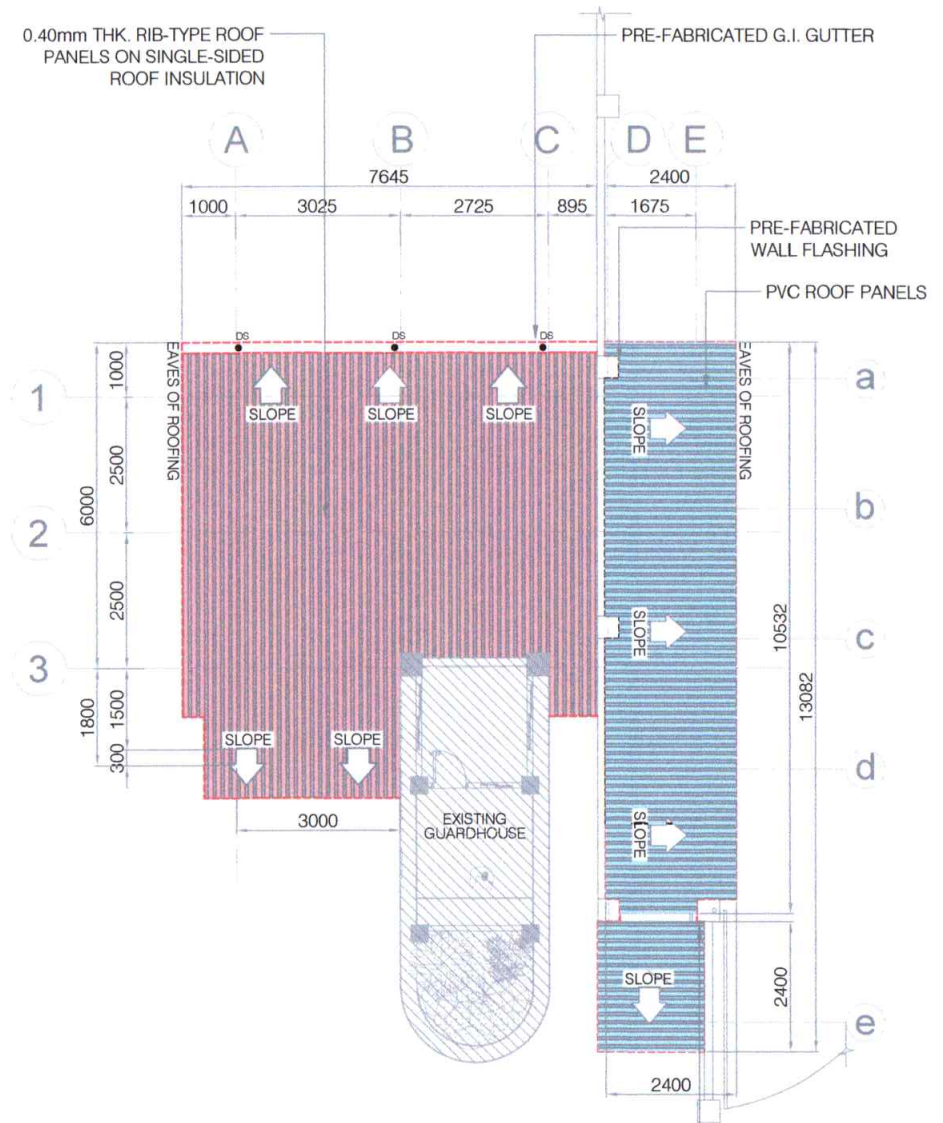
SHEET CONTENTS

- SITE DEVELOPMENT PLAN
- PERSPECTIVE VIEWS

1  
8



**A2 FLOOR PLAN**  
SCALE: 1:100

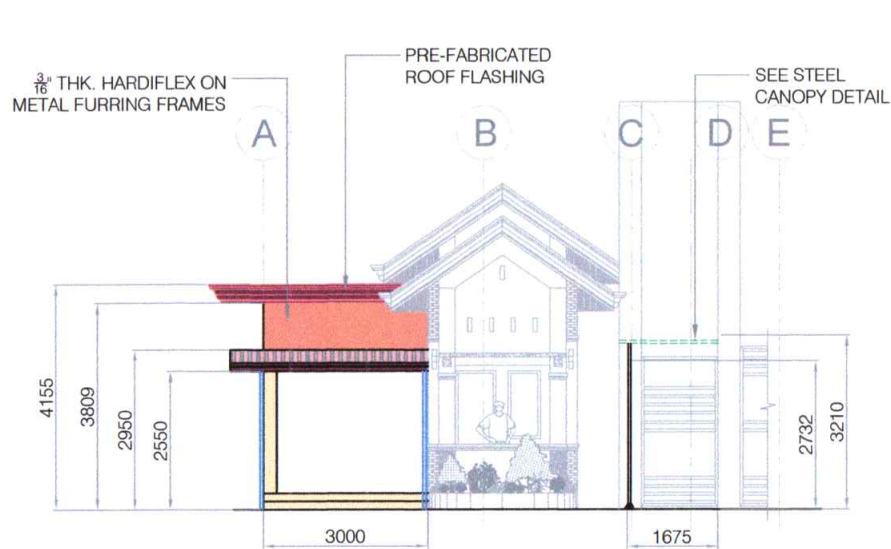


**A2 ROOF PLAN**  
SCALE: 1:100

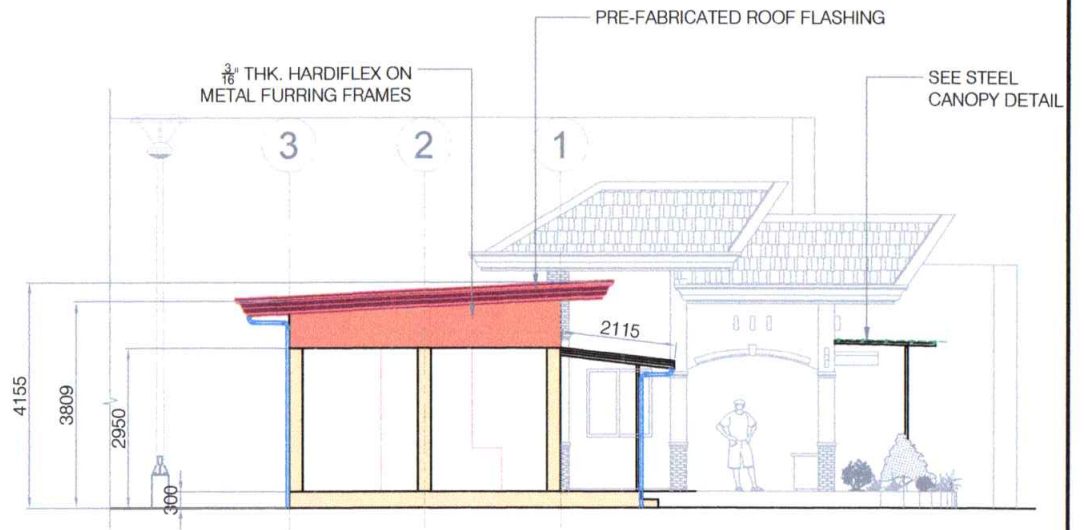


TITLE: <b>REPAIR OF MULTI-PURPOSE SHED, COMFORT ROOM AND STEEL CANOPY</b>		ARCHITECTURAL		SHEET NO.
LOCATION: <b>PORT OF KOLAMBUGAN, LANA O DEL NORTE</b>		SHEET CONTENTS		<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="text-align: center;">2 8</div> </div>
PREPARED BY: SGD. <b>ARNEL C. OCLARINO</b> Senior Engineer A	CHECKED BY: SGD. <b>COLIN KAY R. CAJOTE</b> Supervising Engineer A	RECOMMENDED BY: SGD. <b>JOEL B. ESCALA</b> ESD Manager	APPROVED: SGD. <b>MEDARDO I. SOSOBRADO, JR.</b> Acting Port Manager	

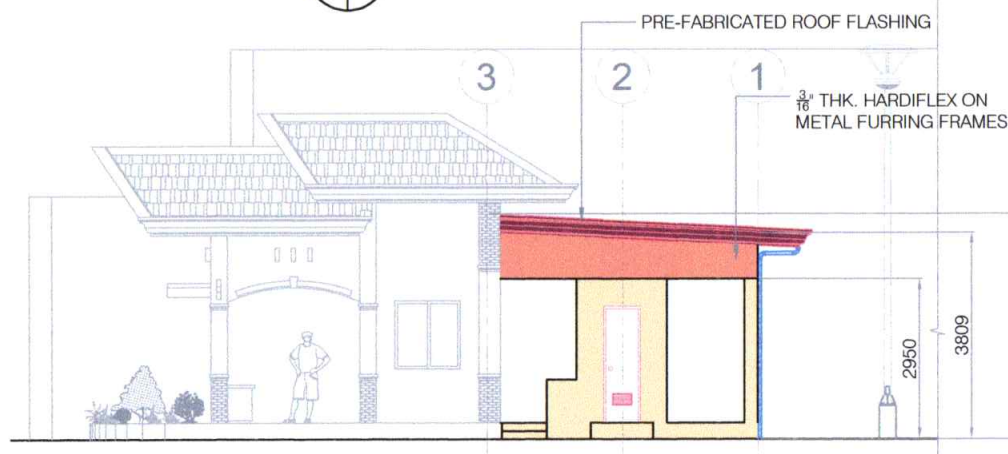




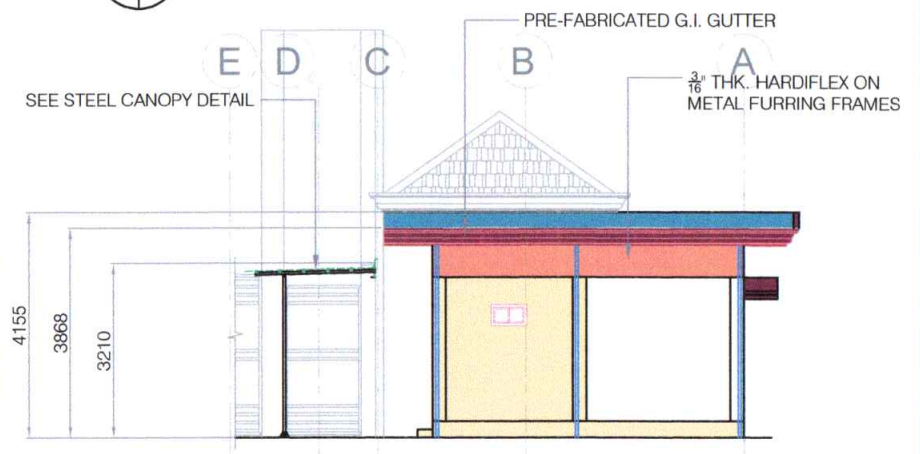
**A3 FRONT ELEVATION**  
SCALE: 1:100



**A3 LEFT SIDE ELEVATION**  
SCALE: 1:100



**A3 RIGHT SIDE ELEVATION**  
SCALE: 1:100

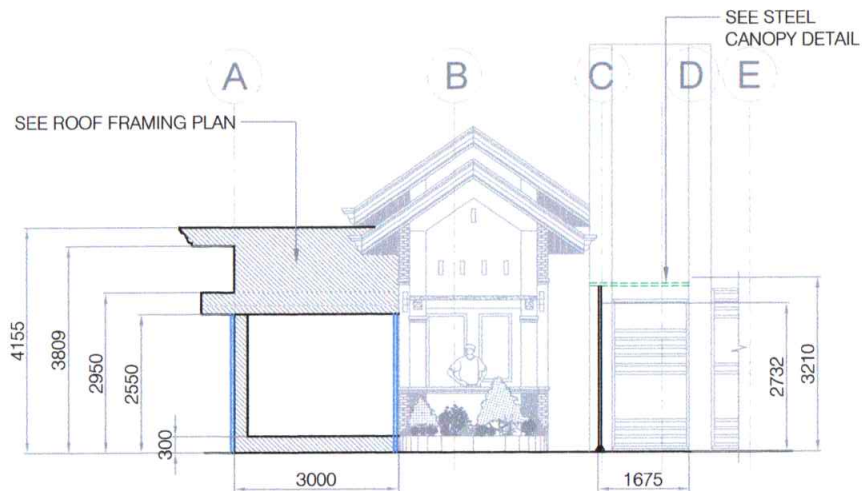


**A3 REAR ELEVATION**  
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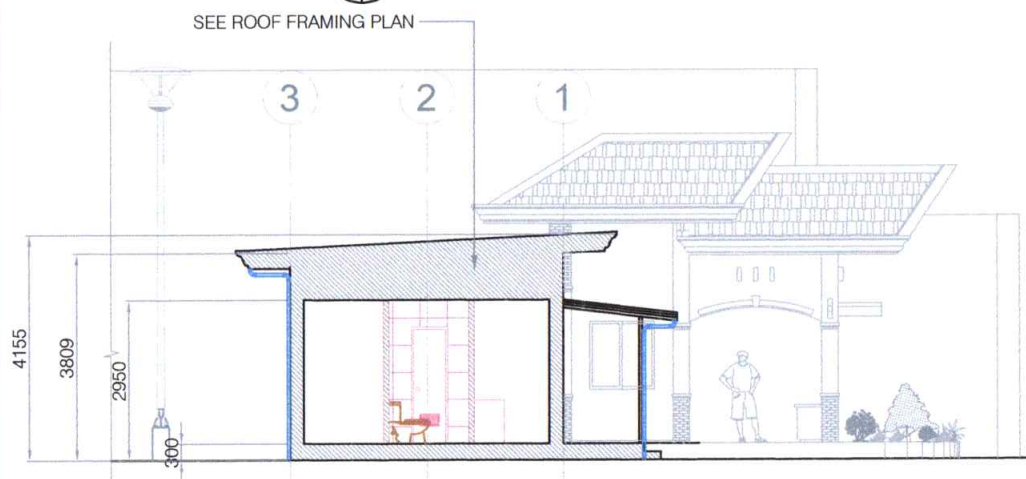


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LOCATION:		PORT OF KOLAMBUGAN, LANA O DEL NORTE			SHEET CONTENTS		<div>3 8</div>	
PREPARED BY:		CHECKED BY:	RECOMMENDED BY:		APPROVED:			
SGD. ARNEL C. OCLARINO Senior Engineer A		SGD. COLIN KAY R. CAJOTE Supervising Engineer A	SGD. JOEL B. ESCALA ESD Manager		SGD. MEDARDO I. SOSOBRAPO, JR. Acting Port Manager			
					<ul style="list-style-type: none"><li>● FRONT ELEVATION</li><li>● LEFT SIDE ELEVATION</li><li>● RIGHT SIDE ELEVATION</li><li>● REAR ELEVATION</li></ul>			

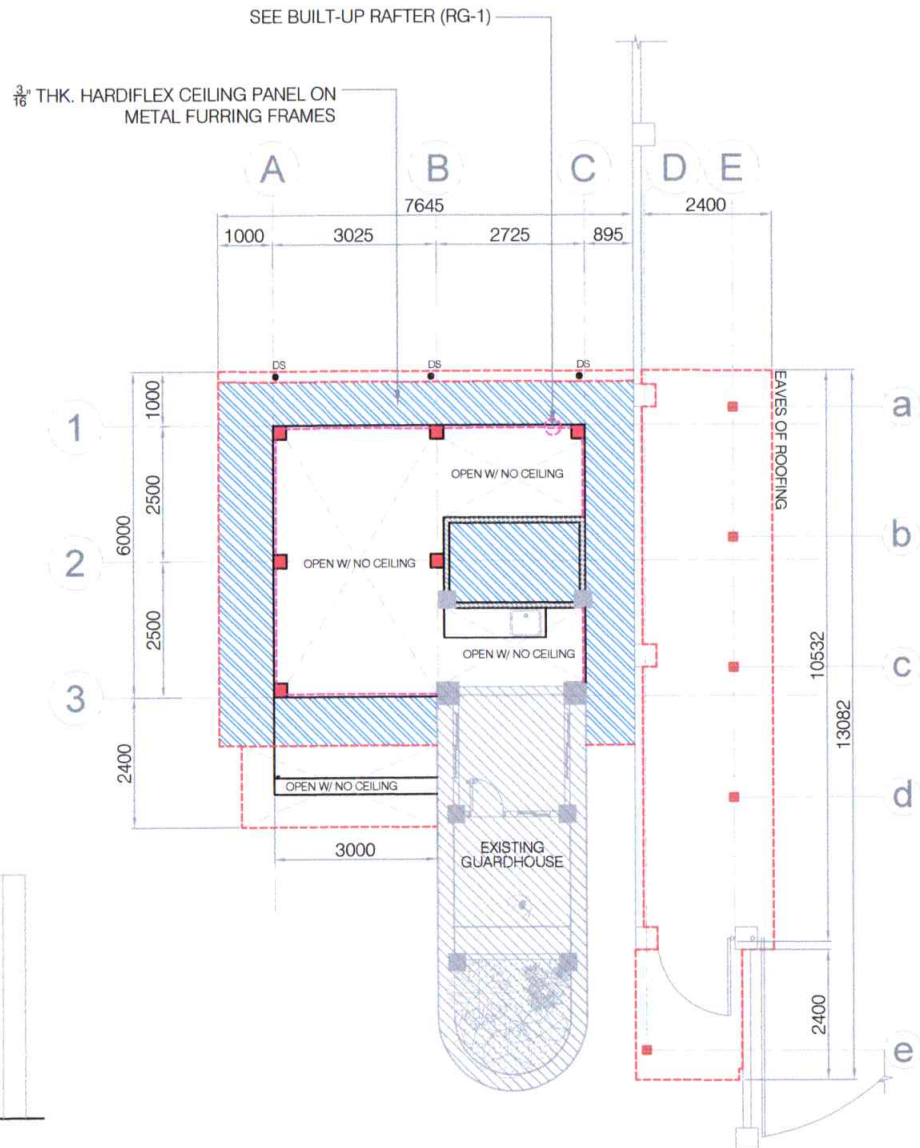
- FRONT ELEVATION
- LEFT SIDE ELEVATION
- RIGHT SIDE ELEVATION
- REAR ELEVATION



**A4** SECTION THRU "A"  
SCALE: 1:100



**A4** SECTION THRU "B"  
SCALE: 1:100

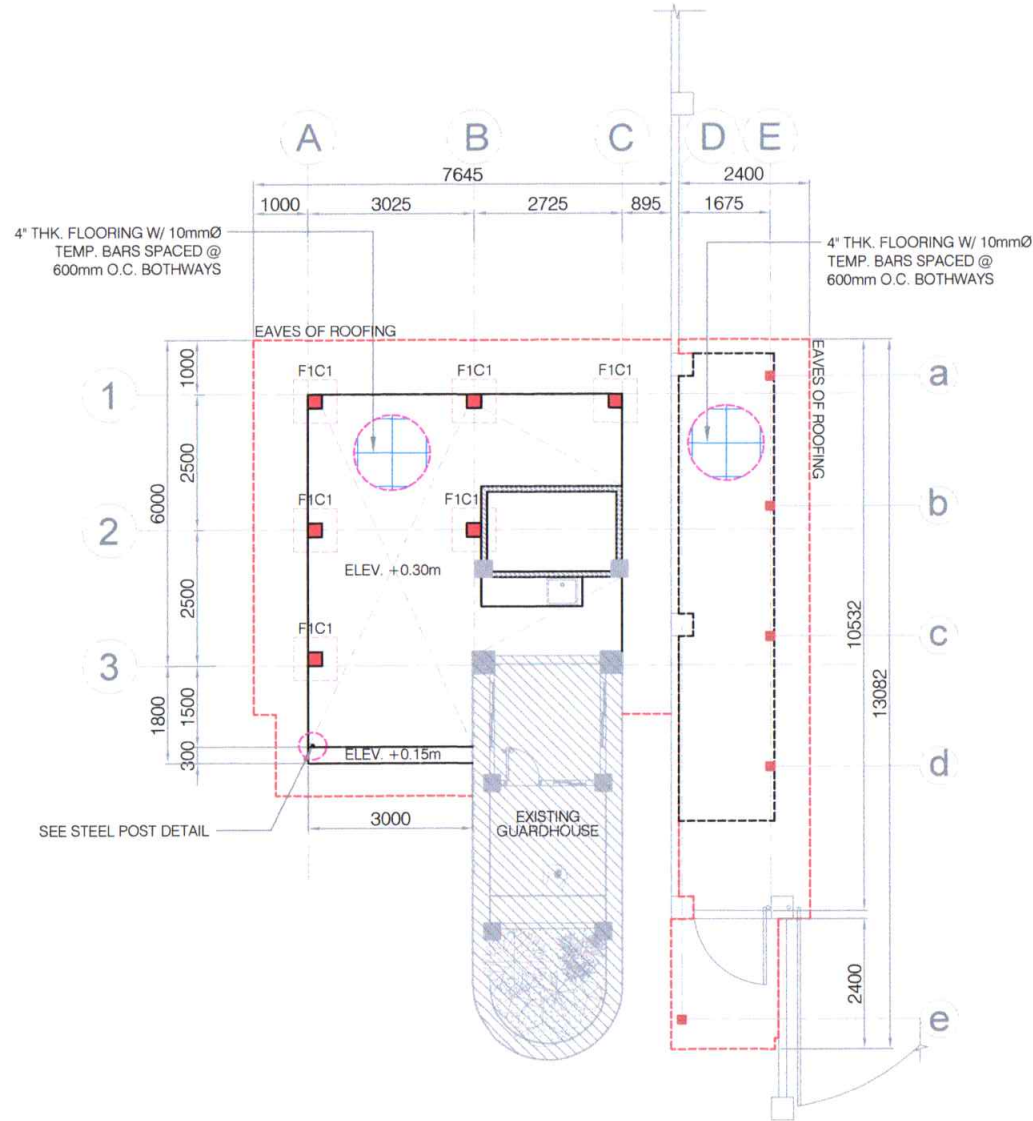


**S1** REFLECTED CEILING PLAN  
SCALE: 1:100

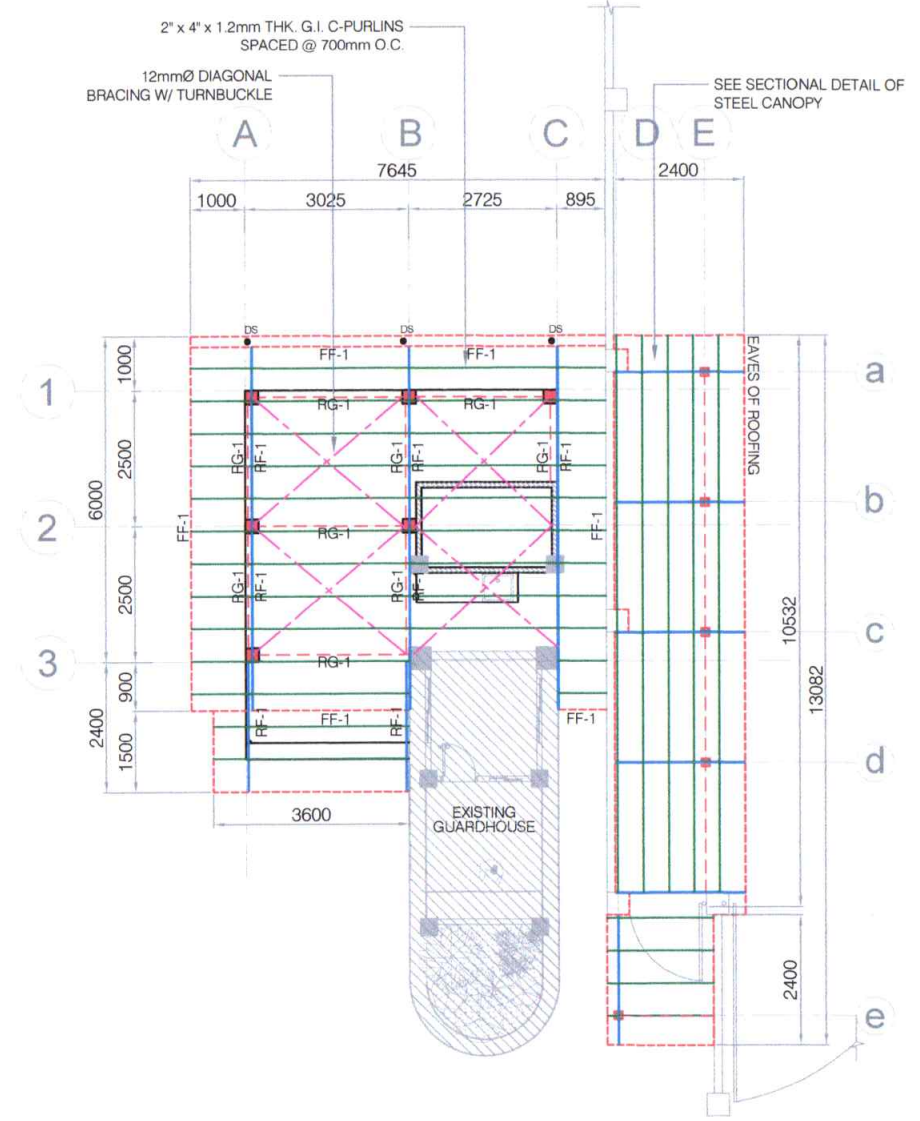


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LOCATION:	PORT OF KOLAMBUGAN, LANA DEL NORTE			SHEET CONTENTS	
PREPARED BY: SGD. ARNEL C. OCLARINO Senior Engineer A	CHECKED BY: SGD. COLIN KAY R. CAJOTE Supervising Engineer A	RECOMMENDED BY: SGD. JOEL B. ESCALA ESD Manager	APPROVED: SGD. MEDARDO I. SOSOBRAPO, JR. Acting Port Manager	<ul style="list-style-type: none"> <li>● SECTION THRU "A"</li> <li>● SECTION THRU "B"</li> <li>● REFLECTED CEILING PLAN</li> </ul>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="border-bottom: 1px solid black; width: 10px; height: 10px; margin: 0 auto;"></div> <div style="text-align: center; margin: 0 auto;"> 4 8 </div> </div>





**S1 FOUNDATION PLAN**  
SCALE: 1:100

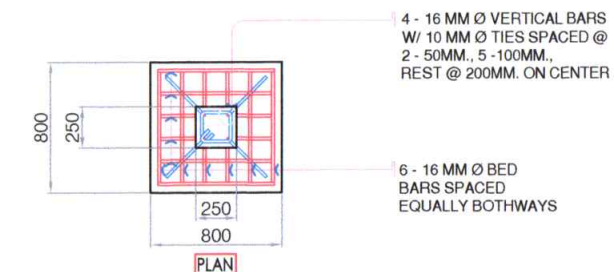
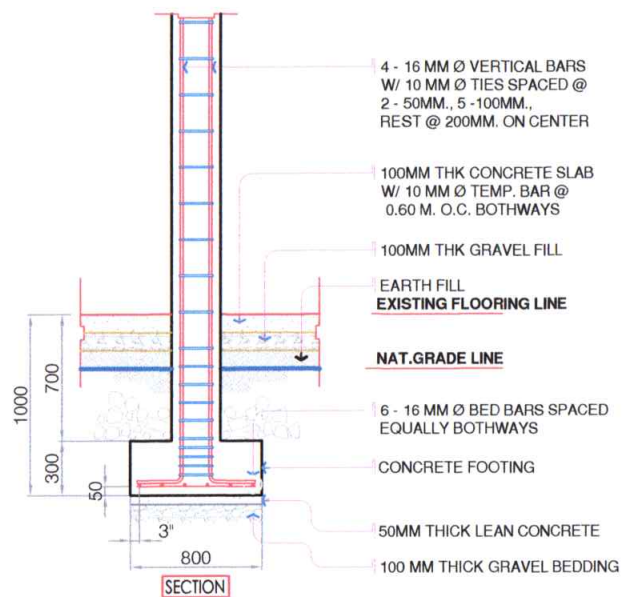


**S1 ROOF FRAMING PLAN**  
SCALE: 1:100

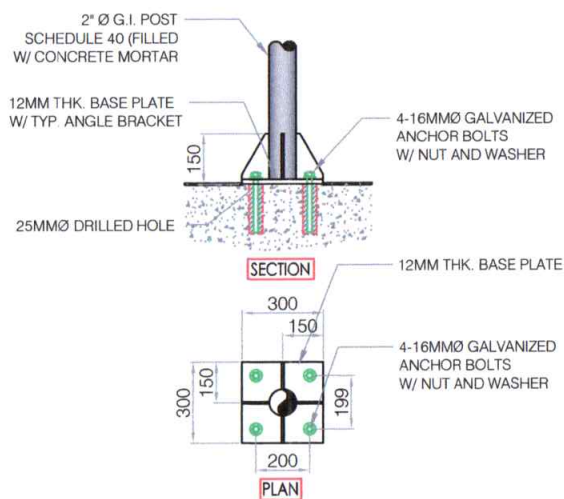


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LOCATION:		PORT OF KOLAMBUGAN, LANA DEL NORTE			SHEET CONTENTS		<div>58</div>
PREPARED BY:		CHECKED BY:	RECOMMENDED BY:	APPROVED:	<div>● FOUNDATION PLAN</div> <div>● ROOF FRAMING PLAN</div>		
SGD. ARNEL C. OCLARINO		SGD. COLIN KAY R. CAJOTE	SGD. JOEL B. ESCALA	SGD. MEDARDO L. SOSOBRAPO, JR.			
Senior Engineer A		Supervising Engineer A	ESD Manager	Acting Port Manager			

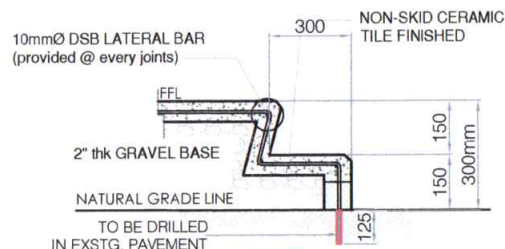




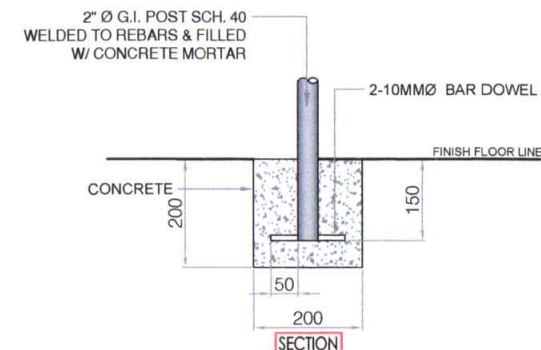
**F1C1 DETAIL**  
SCALE: 1:30



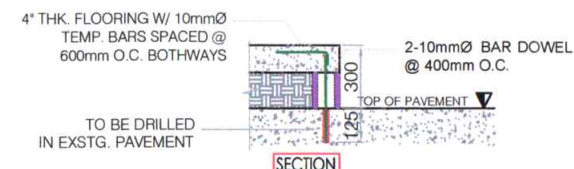
**BP-1 DETAIL**  
SCALE: 1:20



**STAIR DETAIL**  
SCALE: 1:30



**STEEL POST DET.**  
SCALE: 1:10



**FLOORING DETAIL**  
SCALE: 1:30



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LOCATION:

PORT OF KOLAMBUGAN, LANA O DEL NORTE

PREPARED BY:

SGD.  
**ARNEL C. OCLARINO**  
Senior Engineer A

CHECKED BY:

SGD.  
**COLIN KAY R. CAJOTE**  
Supervising Engineer A

RECOMMENDED BY:

SGD.  
**JOEL B. ESCALA**  
ESD Manager

APPROVED:

SGD.  
**MEDARDO I. SOSOBRADO, JR.**  
Acting Port Manager

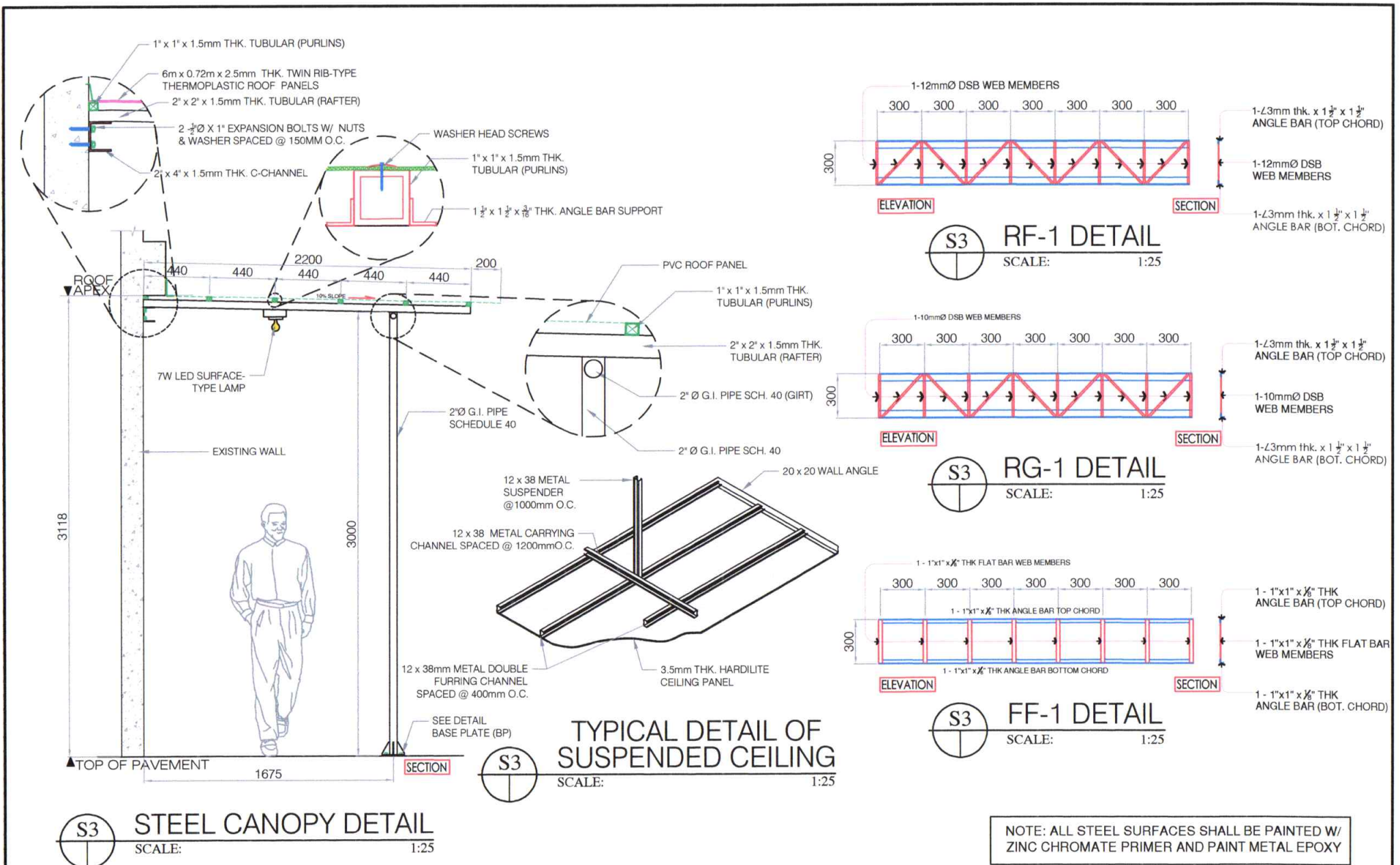
STRUCTURAL


SHEET NO.

SHEET CONTENTS

- F1C1 DETAIL
- BP-1 DETAIL
- STAIR DETAIL
- RAILING POST DET. & FLOORING DETAIL

6  
8



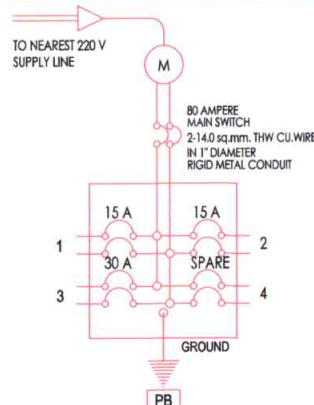
<div><div><div>PHILIPPINE PORTS AUTHORITY</div><div><small>PORT MANAGEMENT GROUP LANA O DEL NORTE DIVISION</small></div></div></div>	TITLE:		REPAIR OF MULTI-PURPOSE SHED, COMFORT ROOM AND STEEL CANOPY				STRUCTURAL		SHEET NO.		
	LOCATION:		PORT OF KOLAMBUGAN, LANA O DEL NORTE						SHEET CONTENTS		<div><div>7</div><div>8</div></div>
	PREPARED BY:		CHECKED BY:		RECOMMENDED BY:		APPROVED:		<div><div>● STEEL CANOPY DETAIL</div><div>● TYP. DET. OF SUSPENDED CEILING</div><div>● RB-1 DETAIL</div><div>● RF-1.RG-1 &amp; FF-1 DETAIL</div></div>		
	SGD ARNEL C. OCLARINO		SGD COLIN KAY R. CAJOTE		SGD JOEL B. ESCALA		SGD MEDARDO I. SOSOBRAO, JR.				
	Senior Engineer A		Supervising Engineer A		ESD Manager		Acting Port Manager				



# GENERAL NOTES & SPECIFICATIONS

- ALL ELECTRICAL WORKS AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) WITH THE RULES AND REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITIES CONCERNED.
- SERVICE VOLTAGE TO THE BUILDING SHALL BE 220 VOLTS, 60 HERTZ, THREE PHASE.
- ALL INSTALLATION SHALL BE CONCEALED FROM VIEW, WIRINGS SHALL BE INCASE IN POLYVINYL CHLORIDE (PVC) PIPE SCHEDULE 40.
- MINIMUM WIRE AND CONDUIT SIZE SHALL BE NO.12 AWG TW AND 1/2" Ø PVC TRADE SIZE, RESPECTIVE UNLESS OTHERWISE NOTED.
- ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE, APPROPRIATE FOR BOTH LOCATION AND INTENDED USE.
- NO BRAND CIRCUIT SHALL HAVE A LOAD MORE THAN 80% OF ITS RATING.
- ALL ELECTRICAL INSTALLATIONS SHALL BE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER, OR A MASTER ELECTRICIAN.

SCHEDULE OF LOADS							
220 VOLTS SINGLE PHASE TWO WIRES							
CKT. NO.	LOAD DESCRIPTION	NO. OF OUTLETS	VOLTS	WATTS	AMPERE PER CIRCUIT	PROTECTION PER CIRCUIT	SIZES OF WIRES AND CONDUITS
C1	LIGHTING LOAD	4	220	400	1.81 A	15 A	2-3.5 mm <sup>2</sup> BWS CU. WIRE IN 1/2" Ø C.
C2	LIGHTING LOAD	7	220	700	3.18 A	15 A	2-3.5 mm <sup>2</sup> BWS CU. WIRE IN 1/2" Ø C.
C3	CONV. OUTLET	6	220	2,160	9.82 A	30 A	2-3.5 mm <sup>2</sup> BWS CU. WIRE IN 3/4" Ø C.
C4	SPARE		220				
TOTAL			220	3,260	14.81 A	80 A	2-14.0 mm <sup>2</sup> BWS CU. WIRE IN 1" Ø RIGID METAL CONDUIT

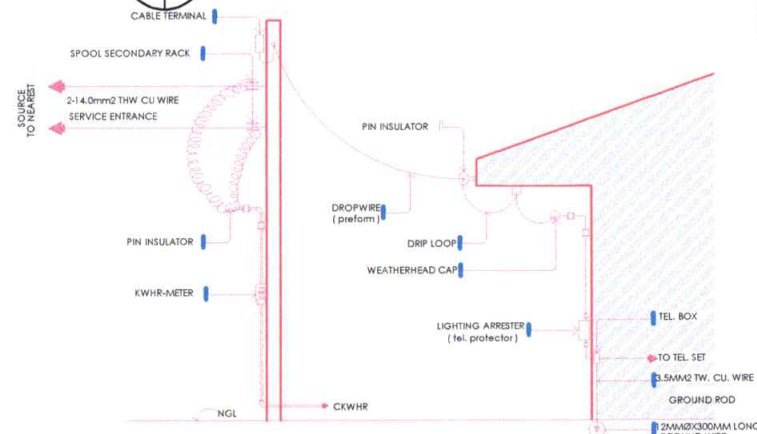


## LEGEND :

- PANEL BOARD
- 7W LED SURFACE-TYPE
- 10W LED LIGHT W/ CASING
- 10W LED DOWNLIGHT
- S<sub>1</sub> SINGLE-GANG SWITCH
- S<sub>2</sub> TWO-GANG SWITCH
- S<sub>3</sub> THREE-GANG SWITCH
- CONVENIENCE OUTLET
- CIRCUIT HOMERUN
- CIRCUIT LINE

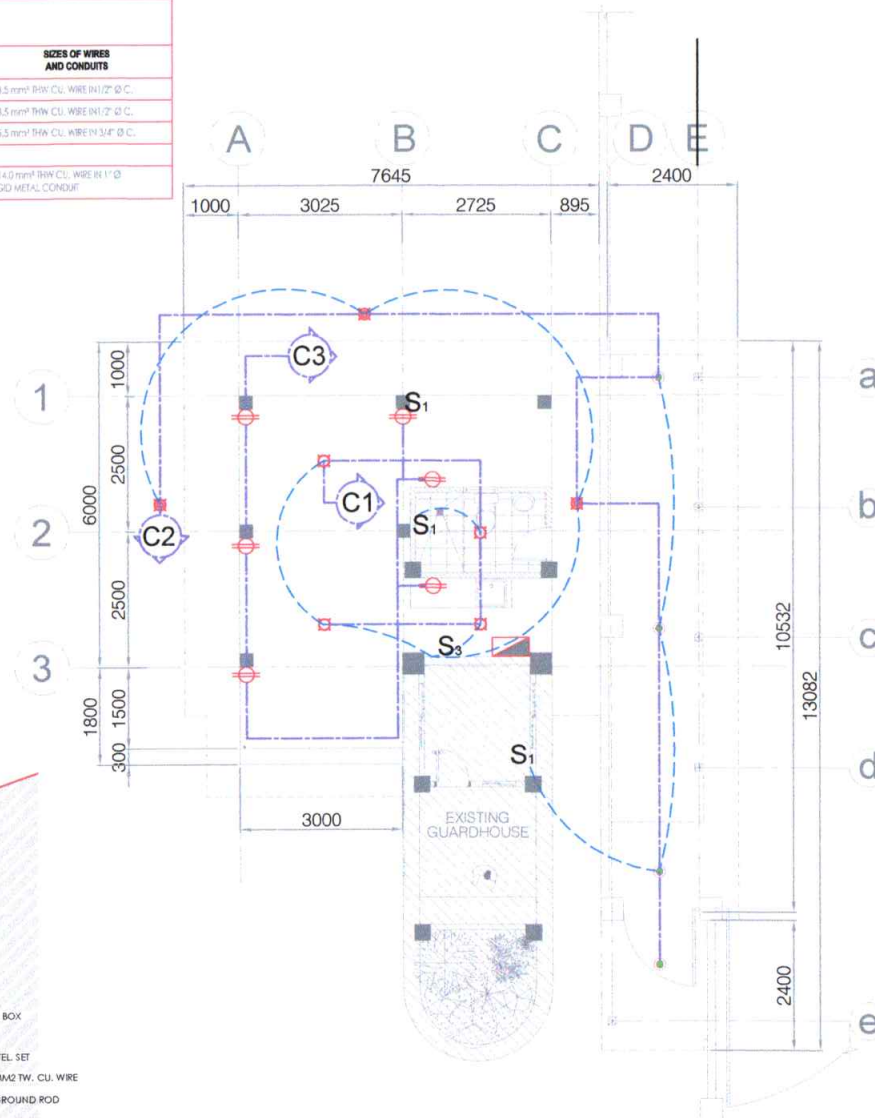
## SINGLE LINE DIAGRAM

SCALE: NTS.



## SERVICE ENTRANCE DETAIL

SCALE: NTS.



## LIGHTING AND POWER LAYOUT

SCALE: 1:100



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LOCATION:	PORT OF KOLAMBUGAN, LANAO DEL NORTE				SHEET CONTENTS	
PREPARED BY:	SGD. ARNEL C. OCLARINO Senior Engineer A	CHECKED BY:	SGD. COLIN KAY R. CAJOTE Supervising Engineer A	RECOMMENDED BY:	SGD. JOEL B. ESCALA ESD Manager	<ul style="list-style-type: none"> <li>GENERAL NOTES &amp; SPECIFICATIONS AND LEGEND</li> <li>LIGHTING AND POWER LAYOUT</li> <li>SCHEDULE OF LOADS</li> <li>SINGLE LINE DIAGRAM &amp; SERVICE ENTRANCE DETAIL</li> </ul>
				APPROVED:	SGD. MEDARDO I. SOSOBRAPO, JR. Acting Port Manager	