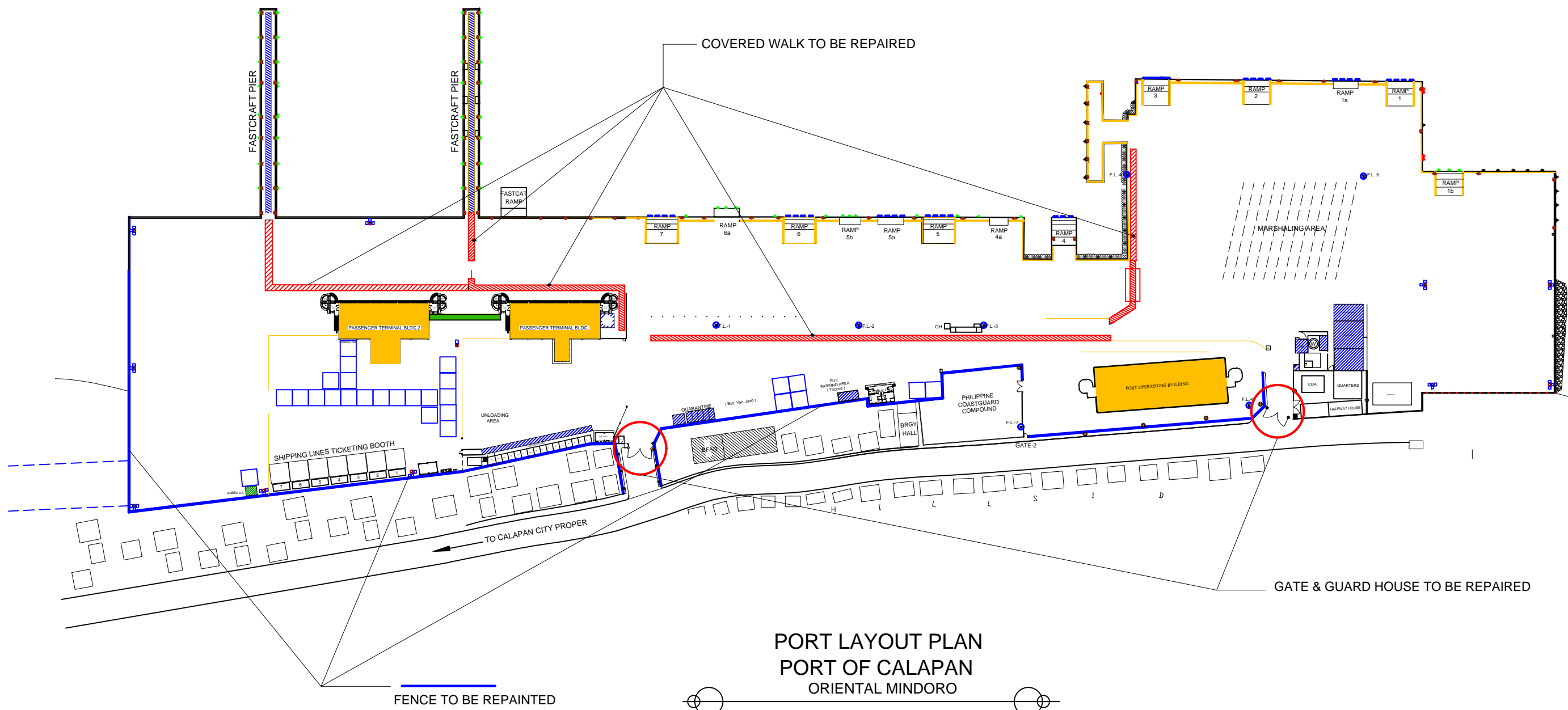




## REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE

PORT OF CALAPAN, ORIENTAL MINDORO



PORT LAYOUT PLAN  
PORT OF CALAPAN  
ORIENTAL MINDORO



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Assistant Port Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

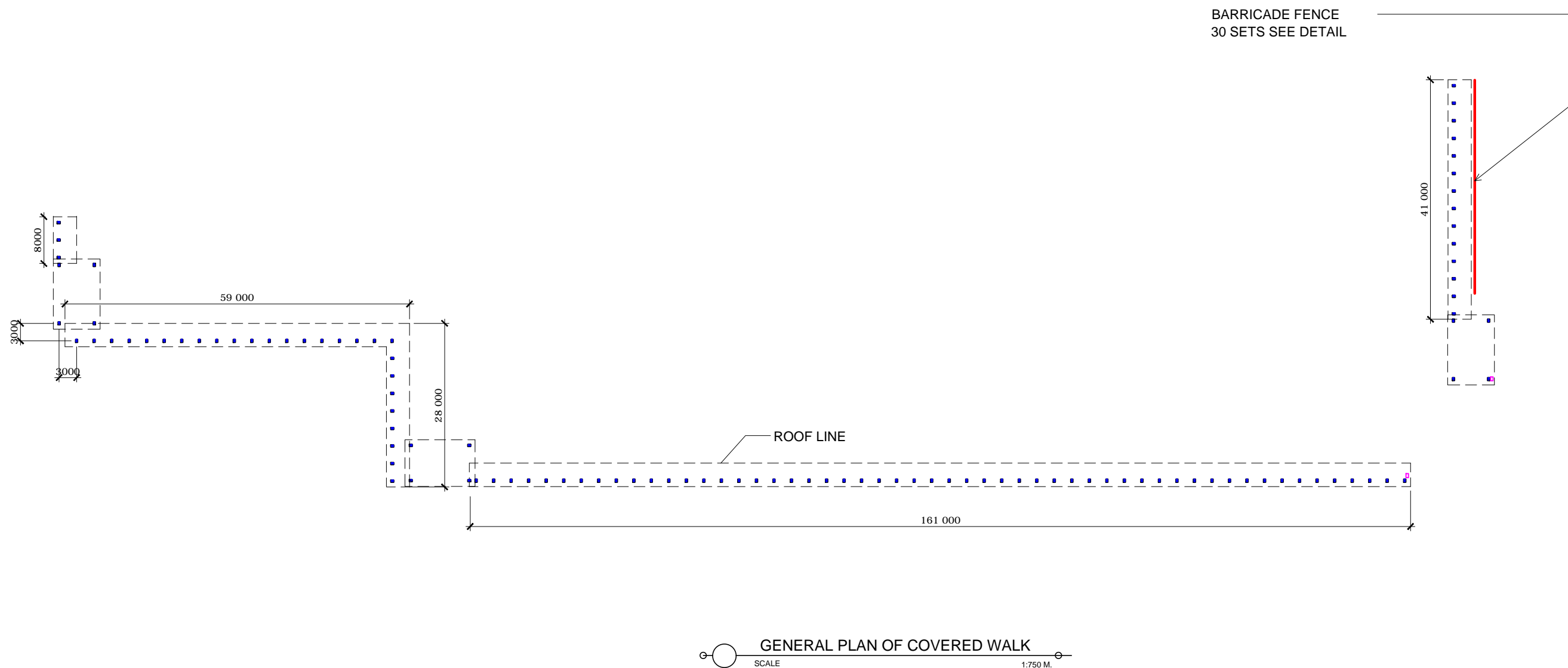
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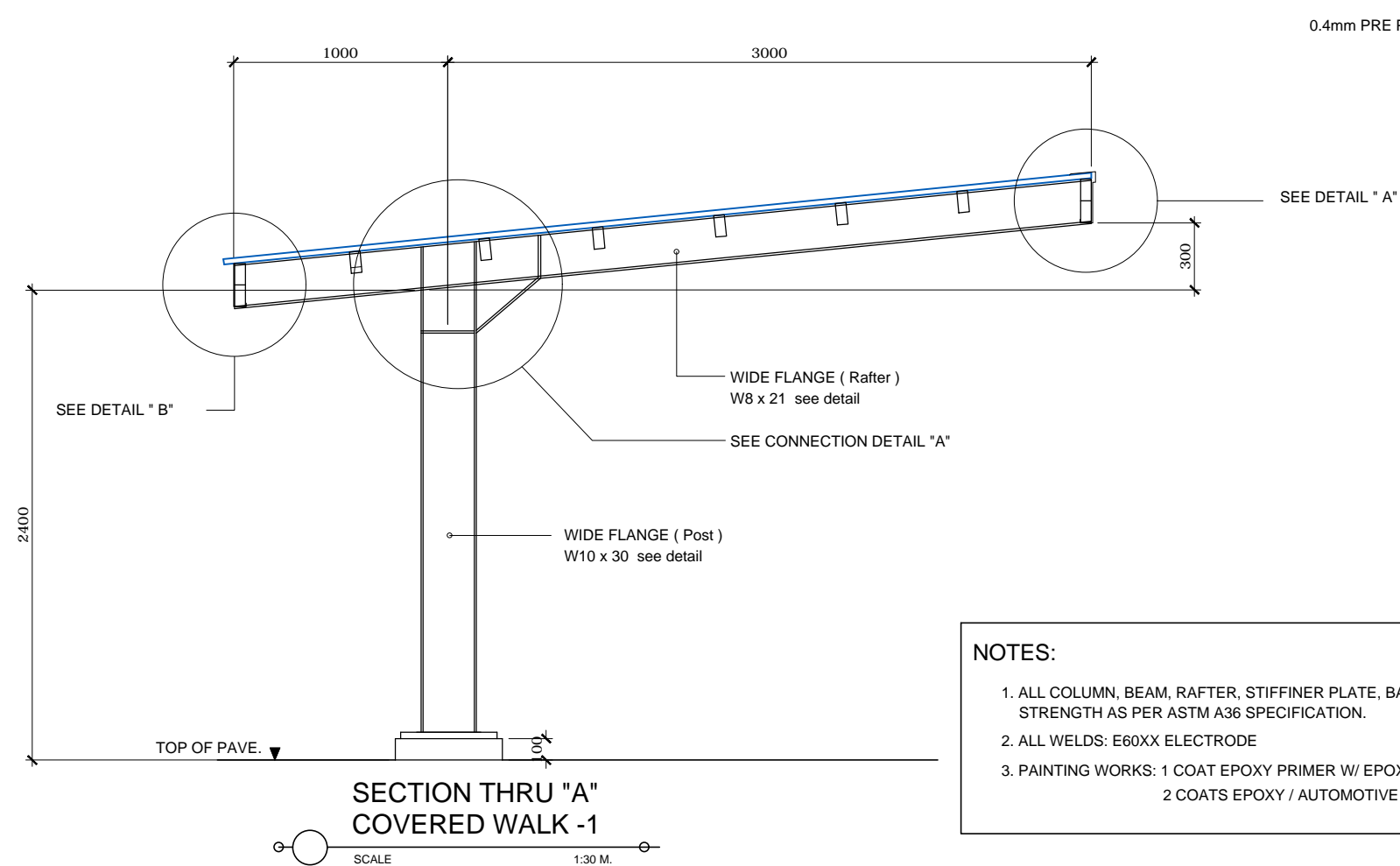
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SHEET NO.  
1 of 45

DATE :

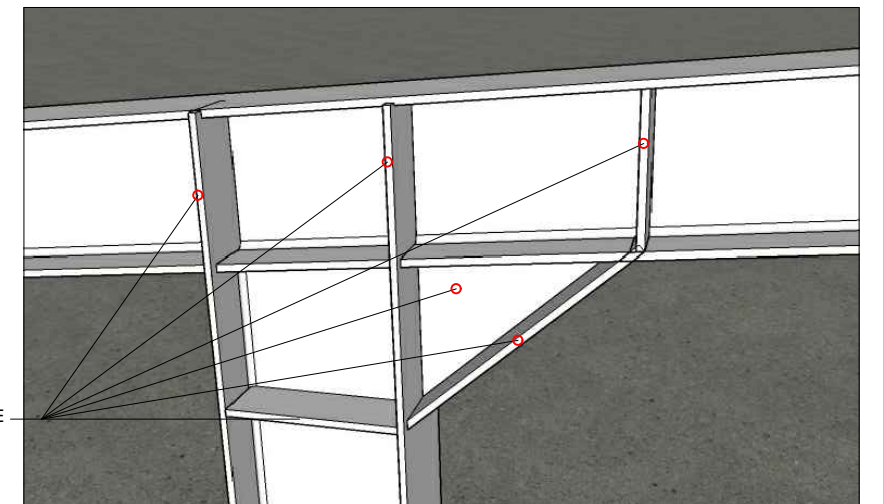
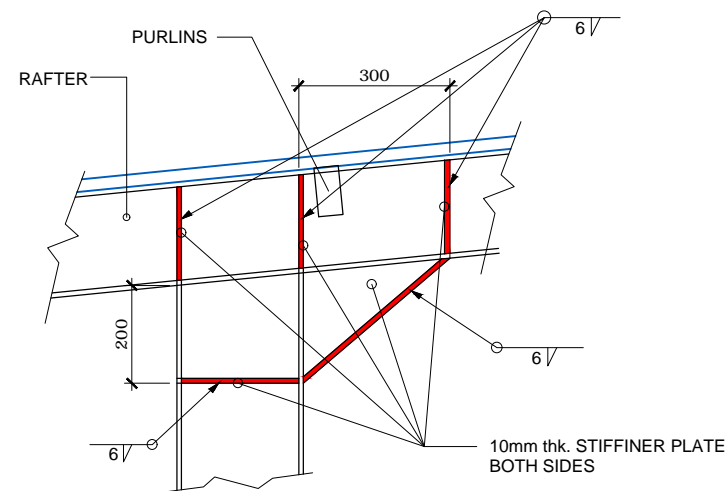
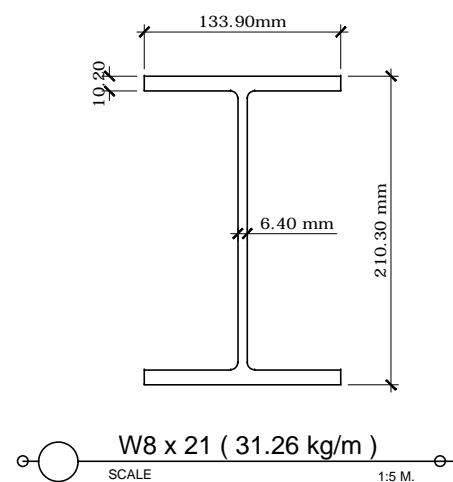
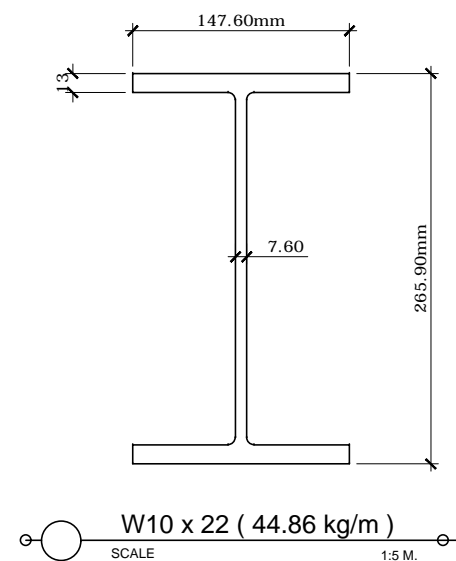
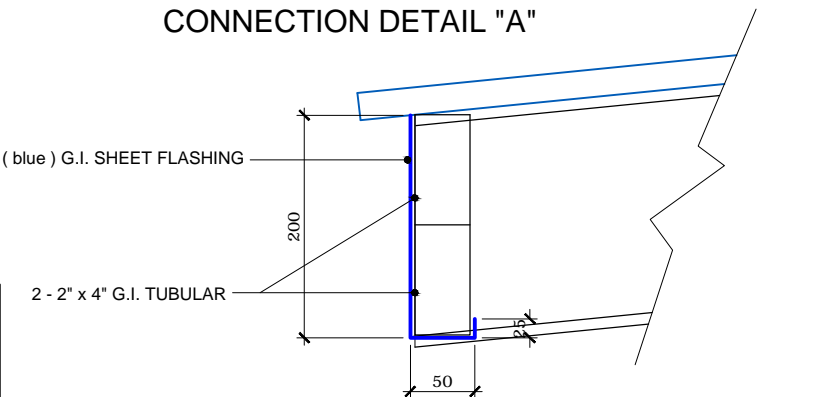
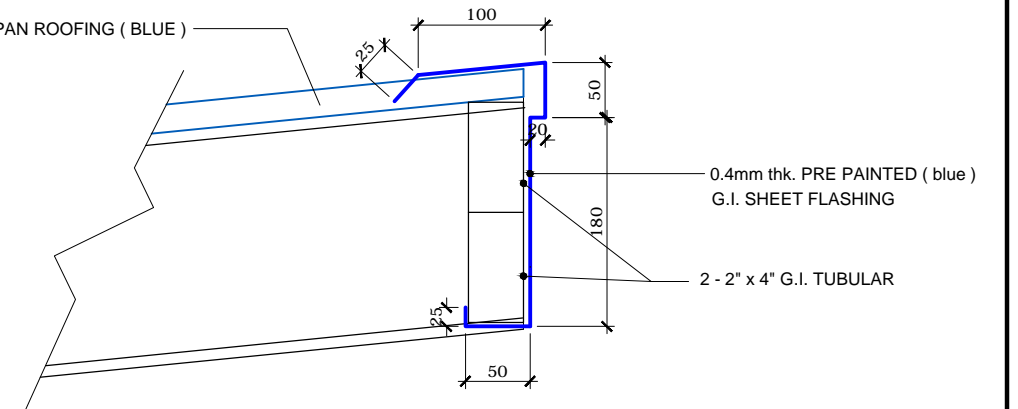


	<b>PROJECT TITLE:</b> REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					<b>SHEET CONTENTS:</b>	<b>SCALE:</b> AS SHOWN
	<b>PREPARED BY:</b>  <div style="text-align: center;"> <u>FERNANDO J. GALVEZO</u>        Engineering Assistant A     </div>	<b>SUBMITTED BY:</b>  <div style="text-align: center;"> <u>EMERSON D. QUIAMBAO</u>        Office Engineer     </div>	<b>CHECKED / REVIEWED BY:</b>  <div style="text-align: center;"> <u>RONALD O. MATIBAG</u>        Acting Principal Engineer A     </div>	<b>RECOMMENDING APPROVAL:</b>  <div style="text-align: center;"> <u>MARGARITO P. DIMAILIG</u>        Acting Division Manager A, ESD     </div>	<b>APPROVED :</b>  <div style="text-align: center;"> <u>ELVIS R. MEDALLA</u>        Port Manager A     </div>	<b>AS SHOWN</b>	<b>SHEET NO.</b> 2 of 45
							<b>DATE :</b> 04 OCT 2019



**NOTES:**

1. ALL COLUMN, BEAM, RAFTER, STIFFENER PLATE, BASE PLATE STRENGTH AS PER ASTM A36 SPECIFICATION.
2. ALL WELDS: E60XX ELECTRODE
3. PAINTING WORKS: 1 COAT EPOXY PRIMER W/ EPOXY REDUDER ( Spray finish )  
2 COATS EPOXY / AUTOMOTIVE PAINT ( Spray finish )



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

AS SHOWN

SCALE:  
AS SHOWN

SHEET NO.  
3 of 45

DATE :  
04 OCT 2019



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

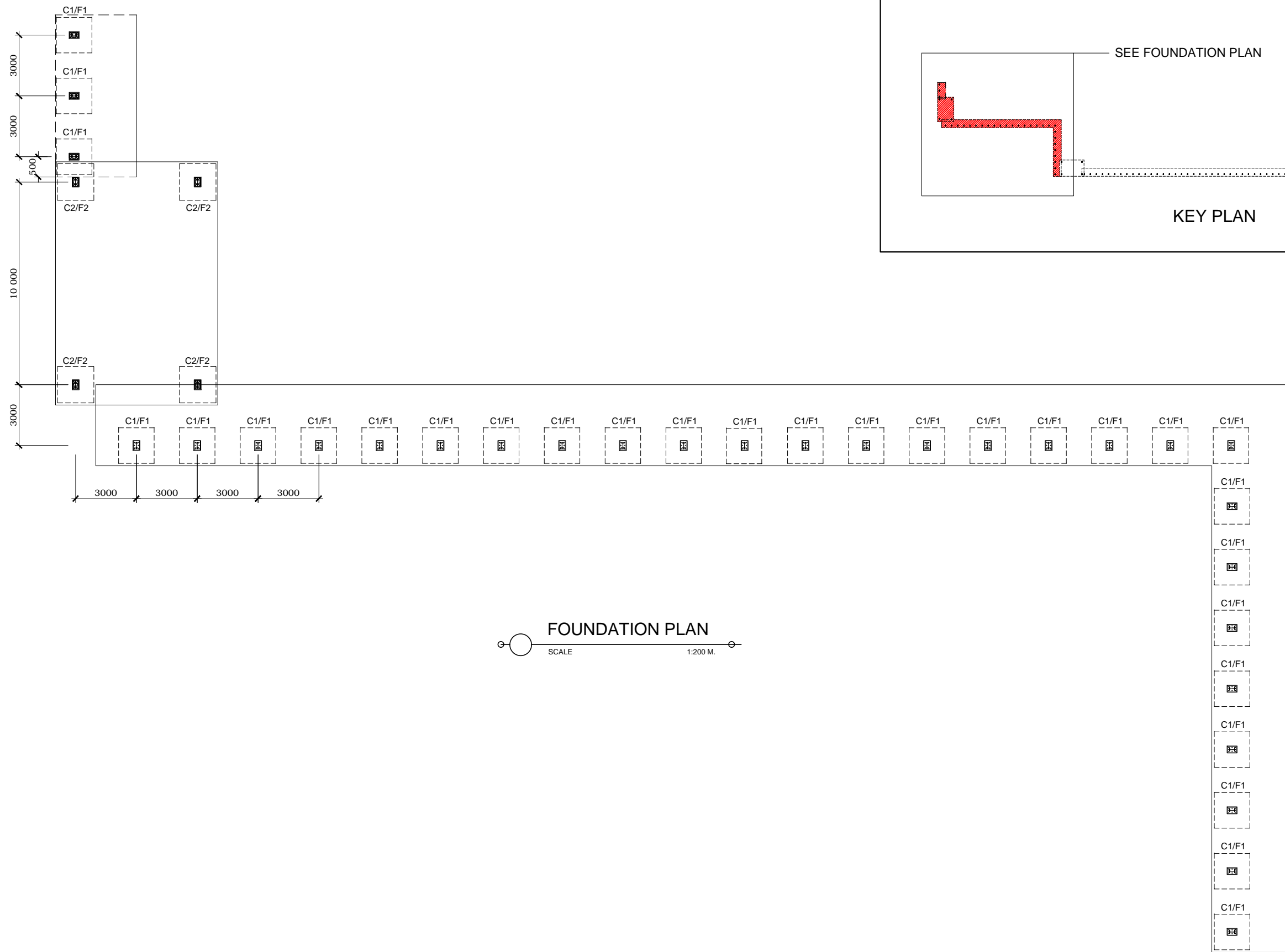
SHEET CONTENTS:

AS SHOWN

SCALE:  
AS SHOWN

SHEET NO.  
4 of 45

DATE :  
04 OCT 2019



FOUNDATION PLAN  
SCALE 1:200 M.



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

AS SHOWN

SCALE:  
AS SHOWN

SHEET NO.  
5 of 45

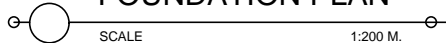
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04 OCT 2019



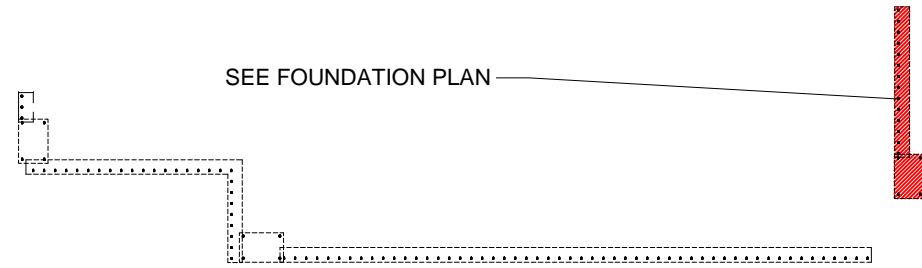
## KEY PLAN



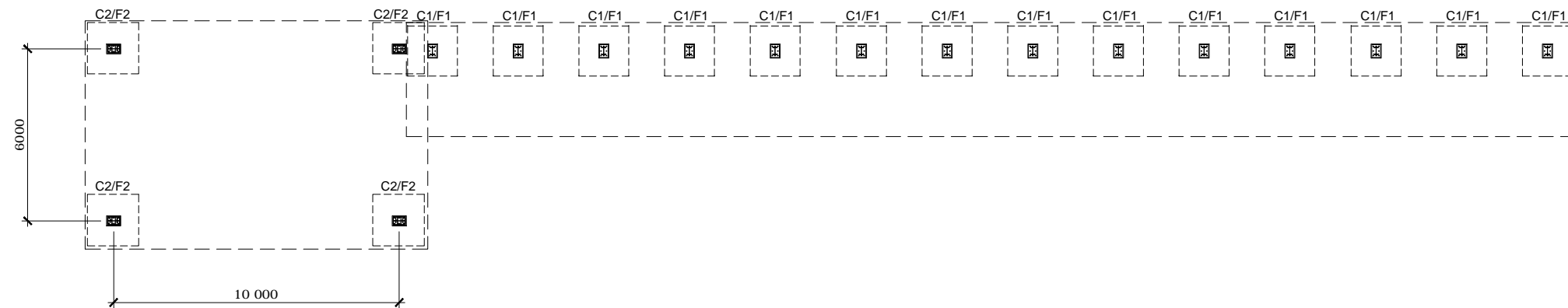
## FOUNDATION PLAN



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS:	SCALE: AS SHOWN
PREPARED BY:	SUBMITTED BY:	CHECKED / REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED :	AS SHOWN	SHEET NO. 6 of 45
<u>FERNANDO J. GALVEZO</u> Engineering Assistant A	<u>EMERSON D. QUIAMBAO</u> Office Engineer	<u>RONALD O. MATIBAG</u> Acting Principal Engineer A	<u>MARGARITO P. DIMAILIG</u> Acting Division Manager A, ESD	<u>ELVIS R. MEDALLA</u> Port Manager A		DATE : 04 OCT 2019



KEY PLAN



FOUNDATION PLAN  
SCALE 1:200 M.



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

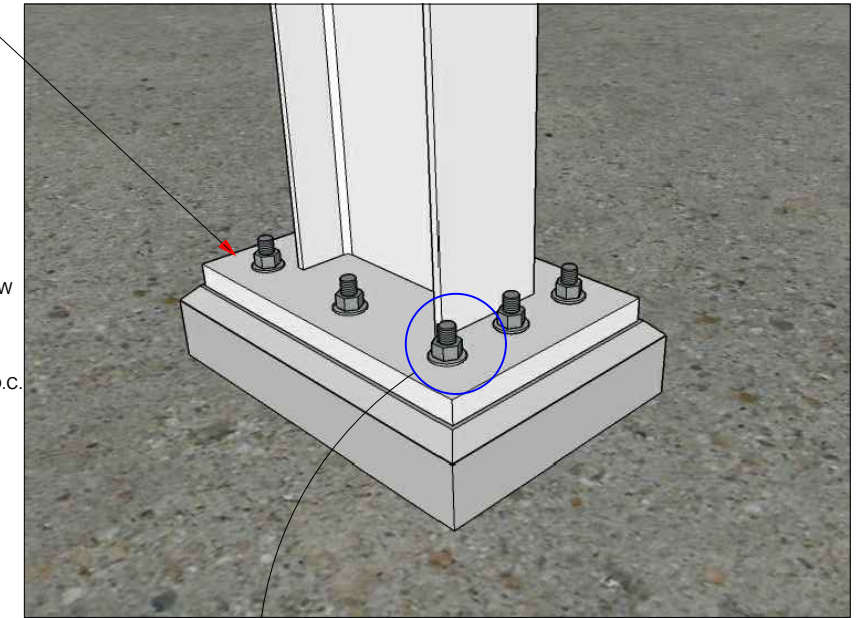
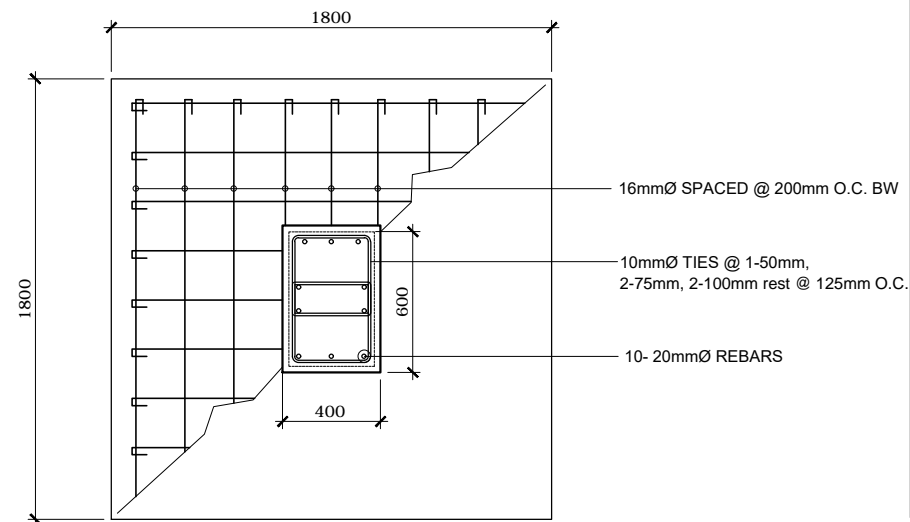
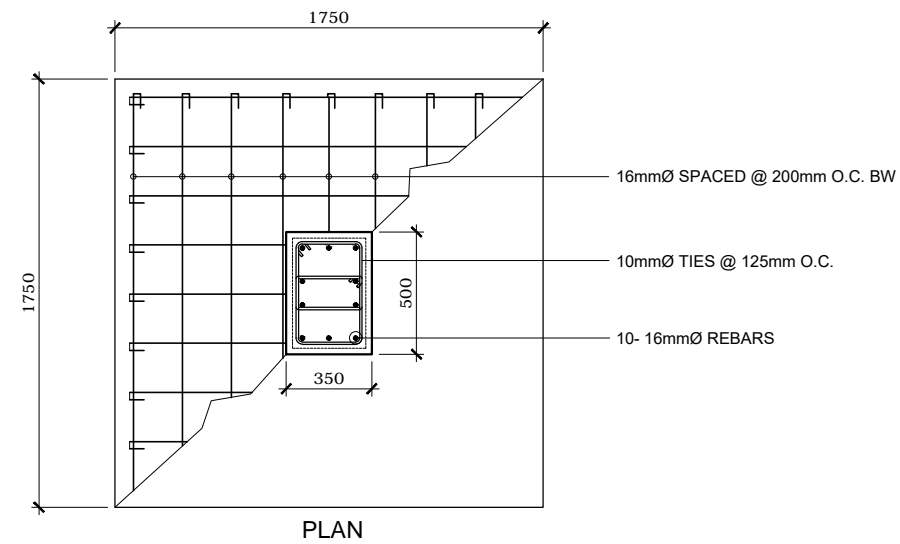
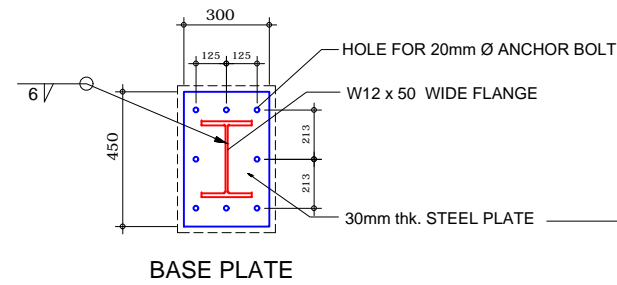
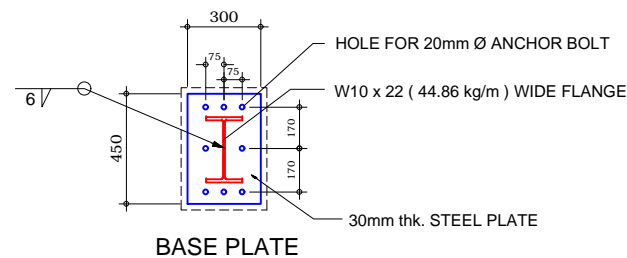
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SCALE:  
AS SHOWN

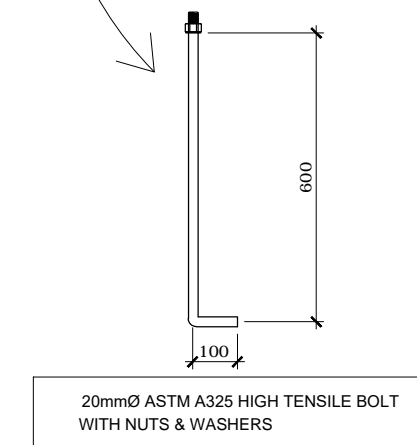
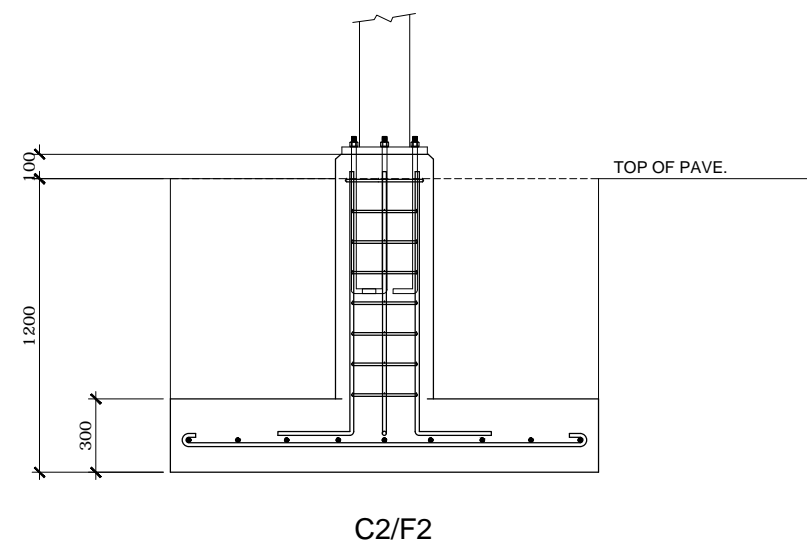
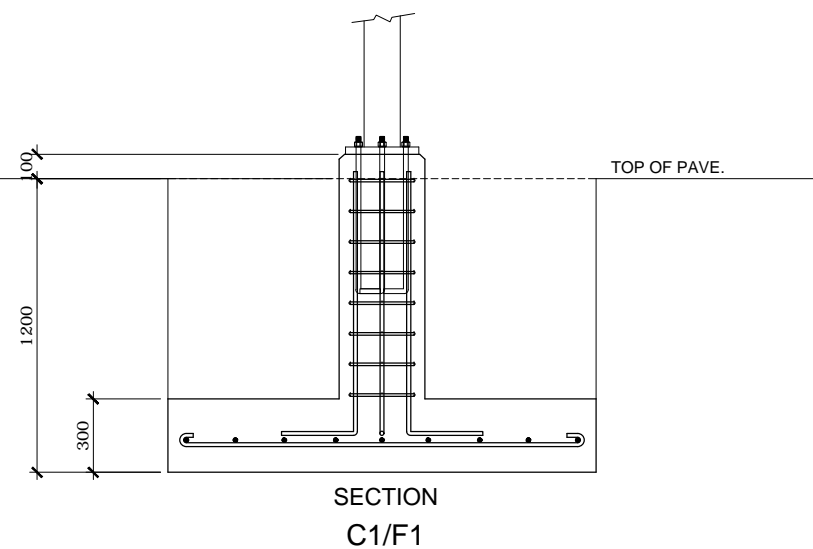
SHEET NO.  
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DATE :  
04 OCT 2019





ISOMETRIC VIEW



ANCHOR BOLT DETAIL

COLUMN & FOOTING DETAIL  
SCALE 1:30 M.



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

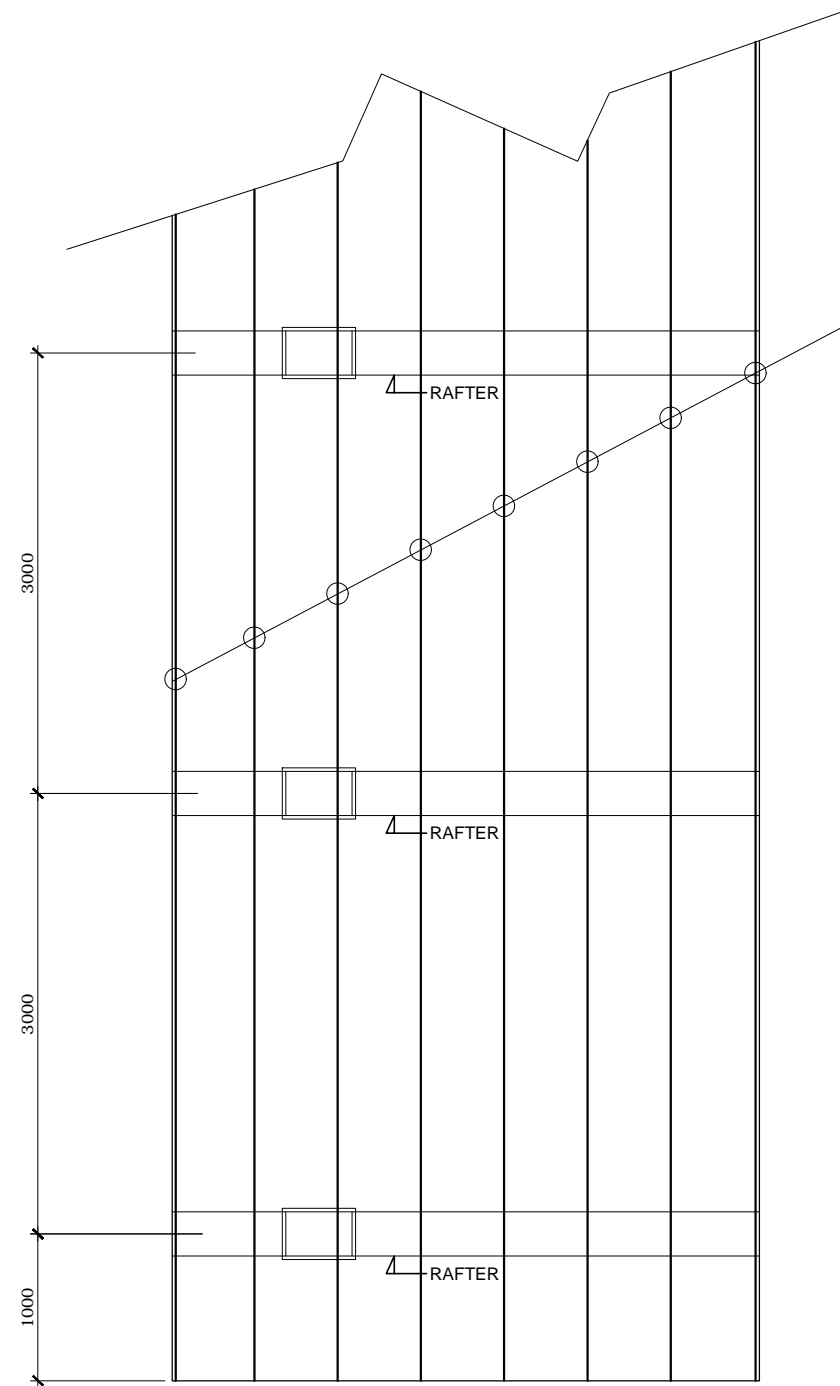
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SCALE:  
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SHEET NO.  
8 of 45

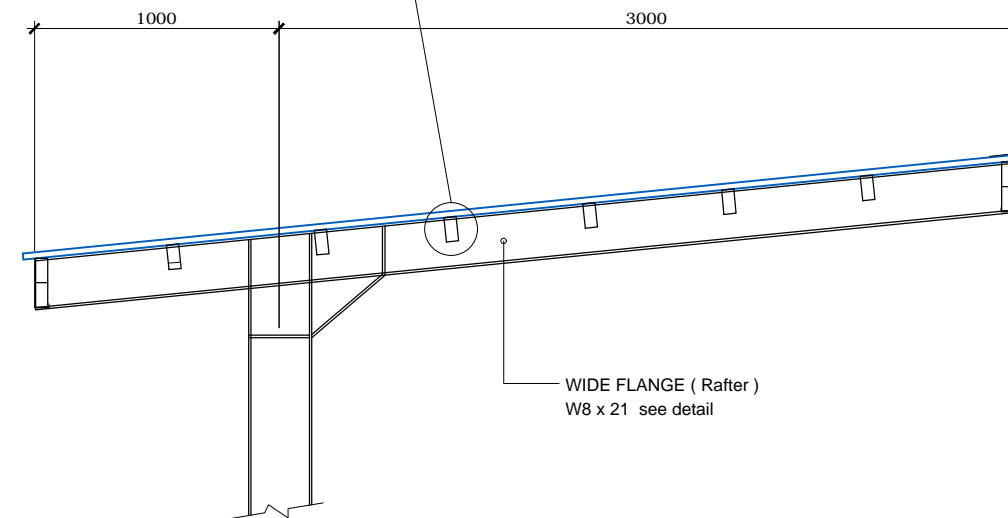
DATE :  
04 OCT 2019



ROOF FRAMING PLAN  
COVERED WALK -1

SCALE 1:50 M.

100 x 50 x 2.0mm thk. G.I. TUBULAR PURLINS  
SPACED AS SHOWN



RAFTER & PURLINS DETAIL

SCALE 1:30 M.



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

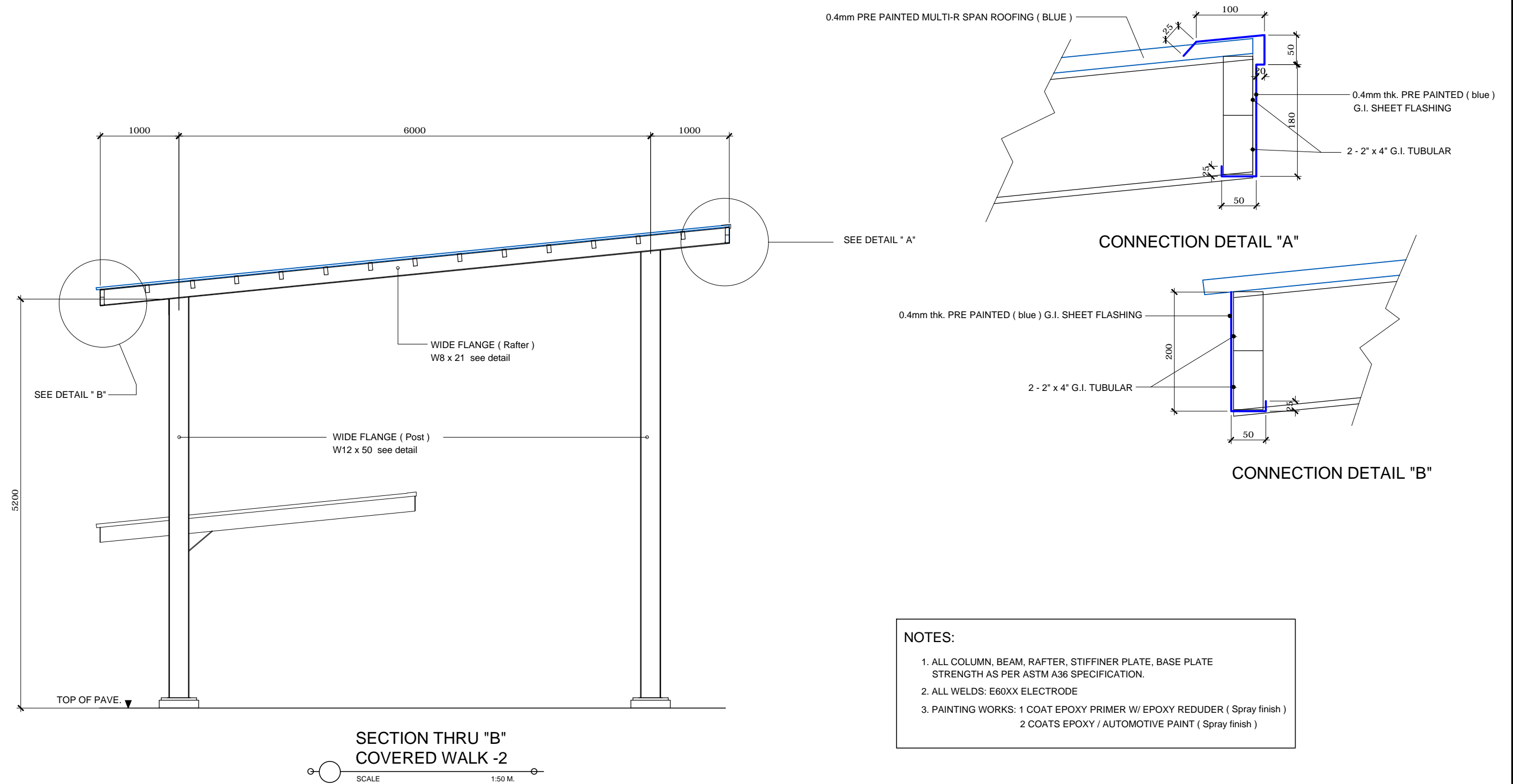
SHEET CONTENTS:

AS SHOWN

AS SHOWN

SHEET NO.  
9 of 45

DATE :  
04 OCT 2019



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

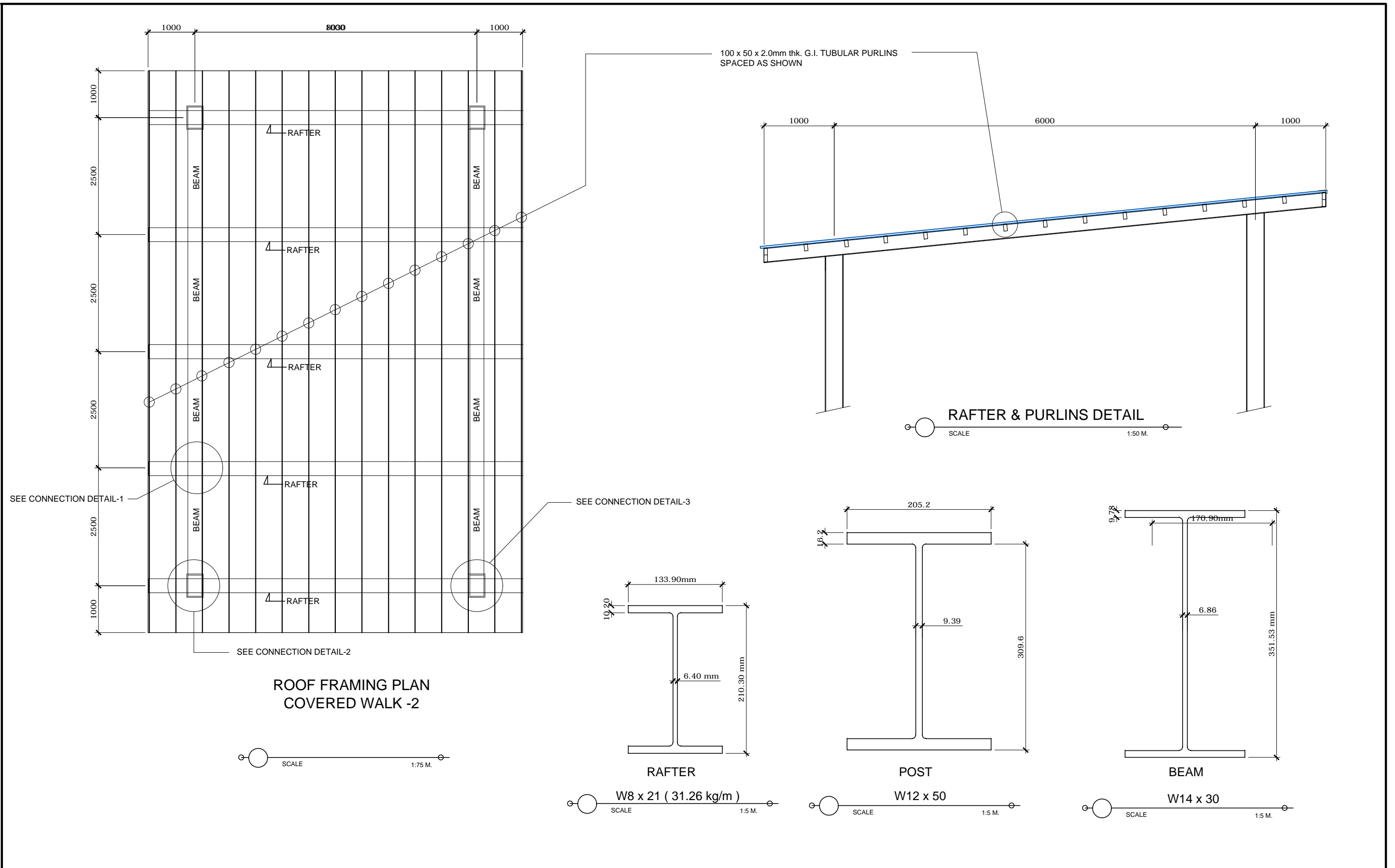
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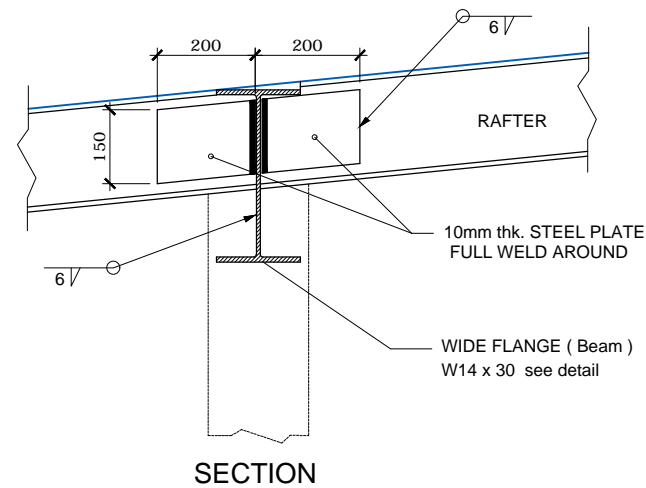
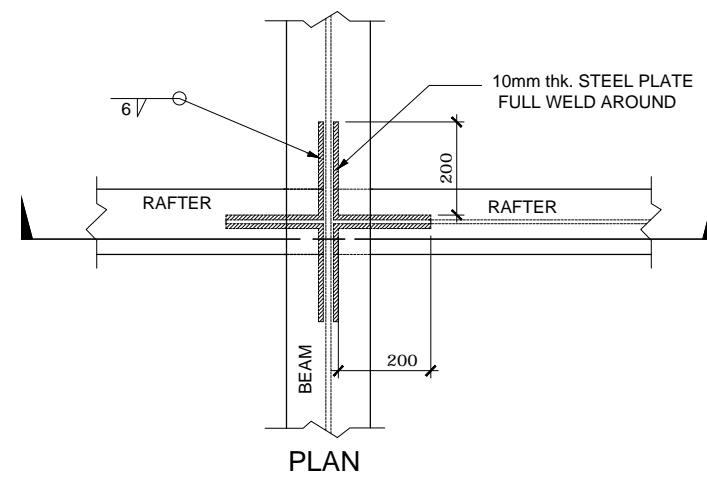
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SHEET NO.  
10 of 45

DATE :  
04 OCT 2019

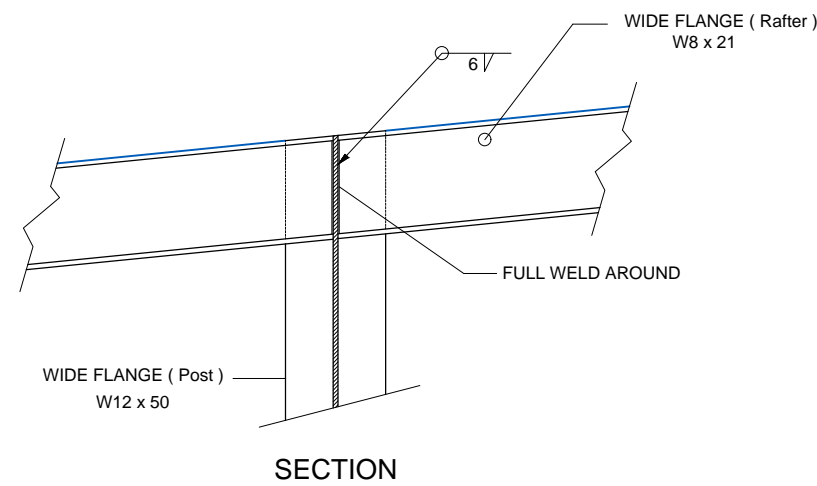
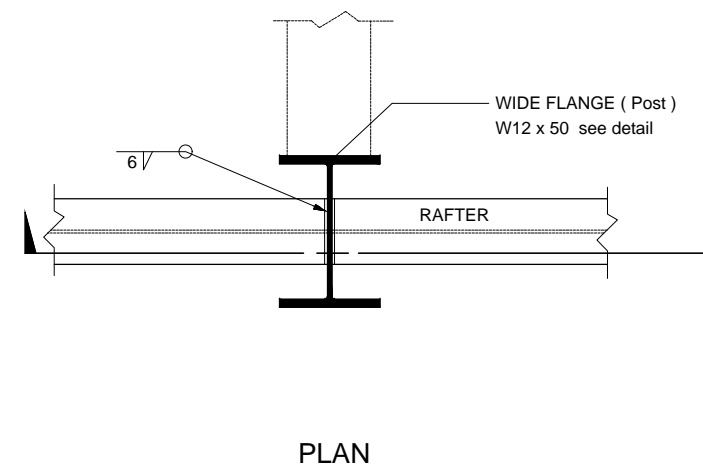


PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO						SHEET CONTENTS:	SCALE: AS SHOWN
PREPARED BY:	SUBMITTED BY:	CHECKED / REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED :		AS SHOWN	SHEET NO. 11 of 45
FERNANDO J. GALVEZO Engineering Assistant A	EMERSON D. QUIAMBAO Office Engineer	RONALD O. MATIBAG Acting Principal Engineer A	MARGARITO P. DIMAILIG Acting Division Manager A, ESD	ELVIS R. MEDALLA Port Manager A			DATE : 04 OCT 2019



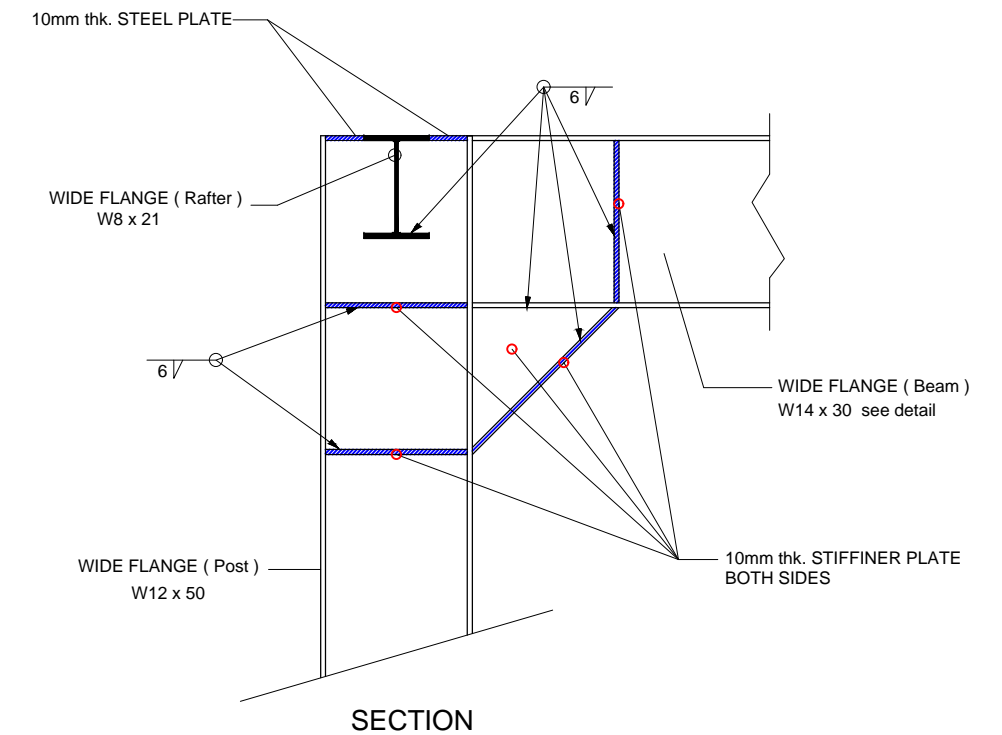
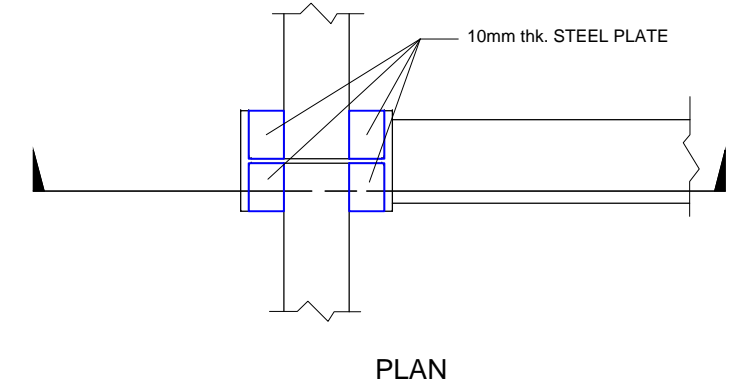
CONNECTION DETAIL - 1

SCALE 1:15 M.



CONNECTION DETAIL - 2

SCALE 1:15 M.



CONNECTION DETAIL - 3

SCALE 1:15 M.

#### NOTES:

1. ALL COLUMN, BEAM, RAFTER, STIFFENER PLATE, BASEPLATE STRENGTH AS PER ASTM A36 SPECIFICATION.
2. ALL WELDS: E60XX ELECTRODE
3. PAINTING WORKS: 1 COAT EPOXY PRIMER W/ EPOXY REDUDER ( Spray finish )  
2 COATS EPOXY / AUTOMOTIVE PAINT ( Spray finish )



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

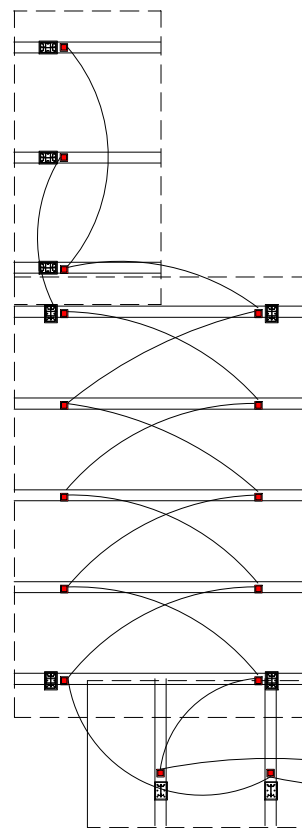
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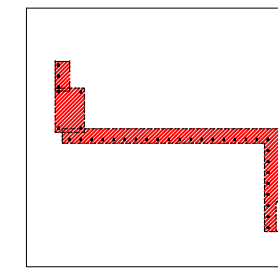
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12 of 45

DATE :  
04 OCT 2019



LEGEND:

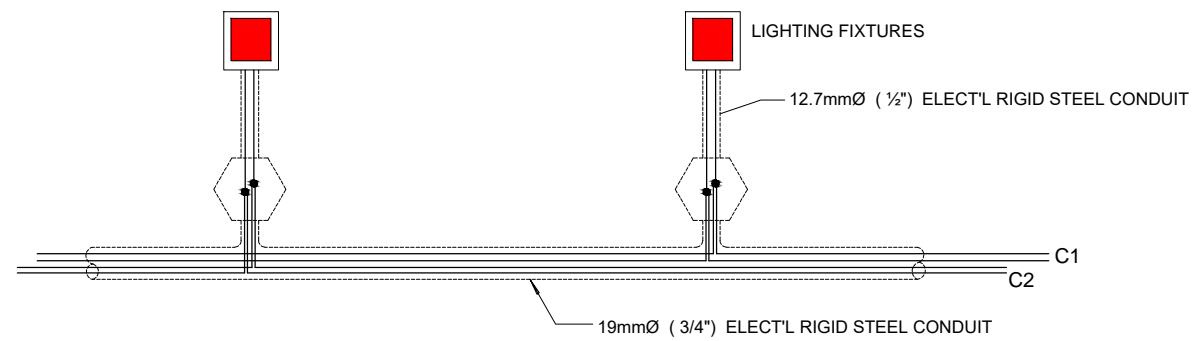
■ 10 W LED OUTDOOR FLOODLIGHTS



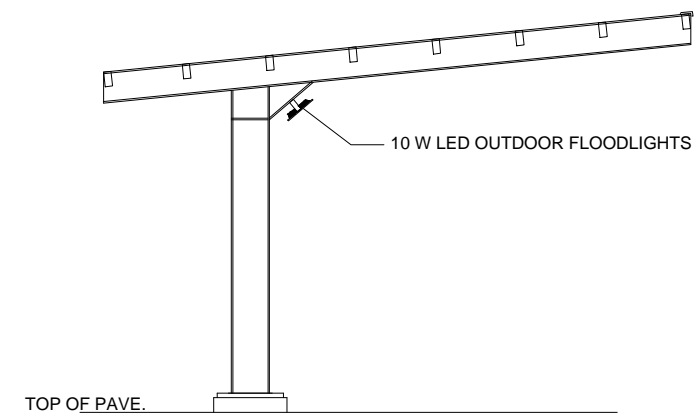
SEE ELECTRICAL PLAN  
COVERED WALK - 1

KEY PLAN

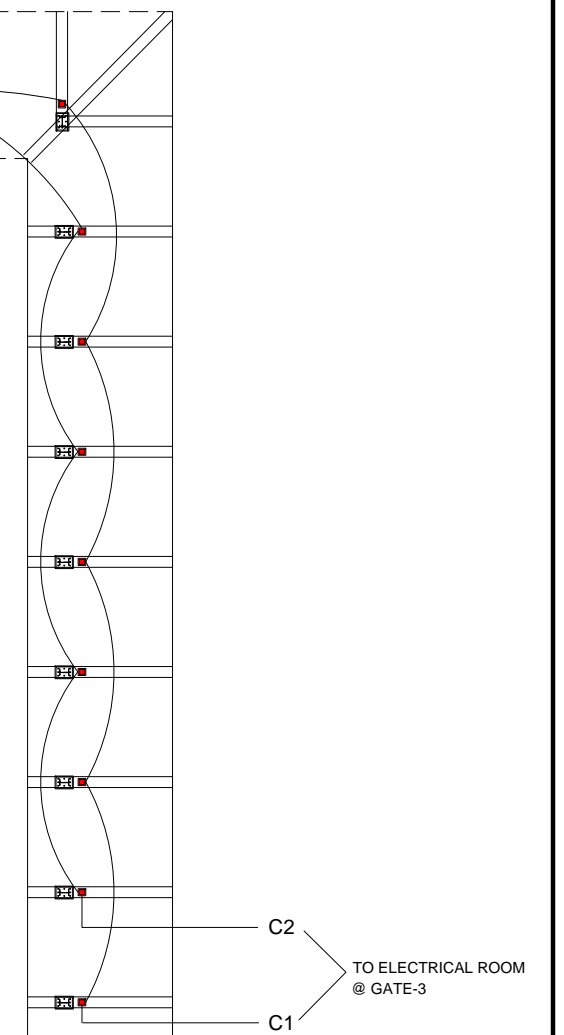
ELECTRICAL PLAN  
SCALE 1:200 M.



WIRE CONNECTION DETAIL



LIGHTING FIXTURES LOCATION



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

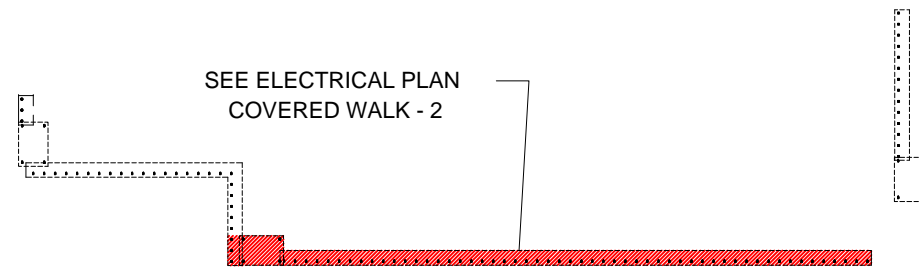
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AS SHOWN

SCALE:  
AS SHOWN

SHEET NO.  
13 of 45

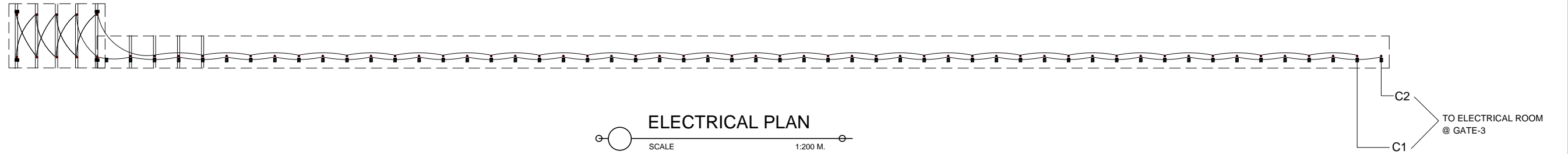
DATE :  
04 OCT 2019



KEY PLAN

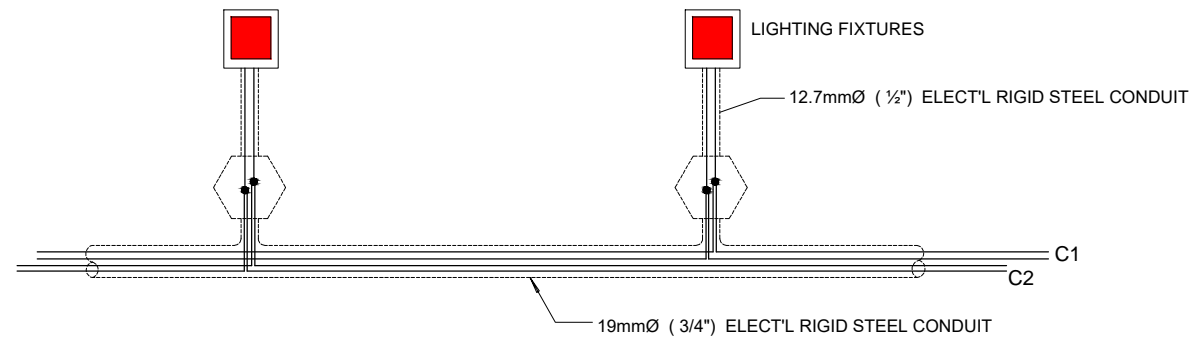
LEGEND:

10 W LED OUTDOOR FLOODLIGHTS

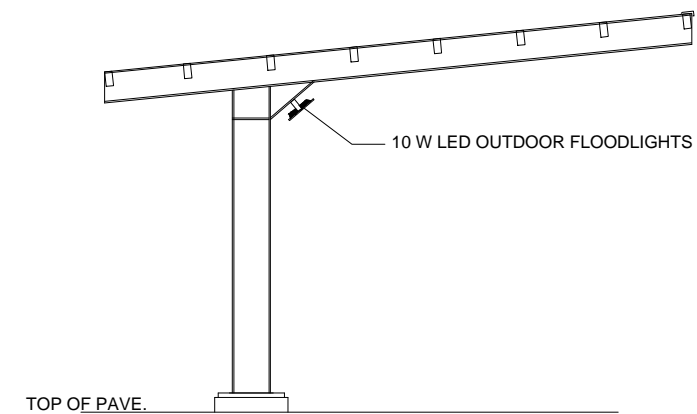


ELECTRICAL PLAN

SCALE 1:200 M.



WIRE CONNECTION DETAIL



LIGHTING FIXTURES LOCATION



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

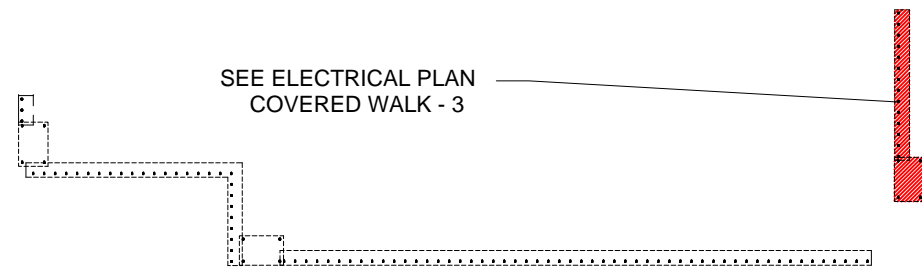
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AS SHOWN

SCALE:  
AS SHOWN

SHEET NO.  
14 of 45

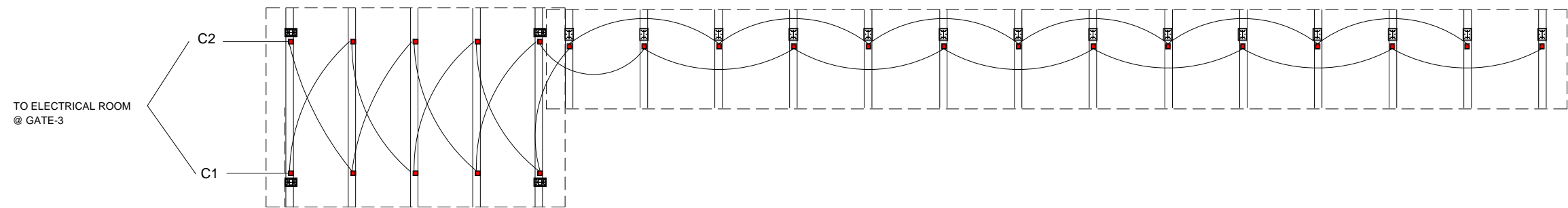
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04 OCT 2019



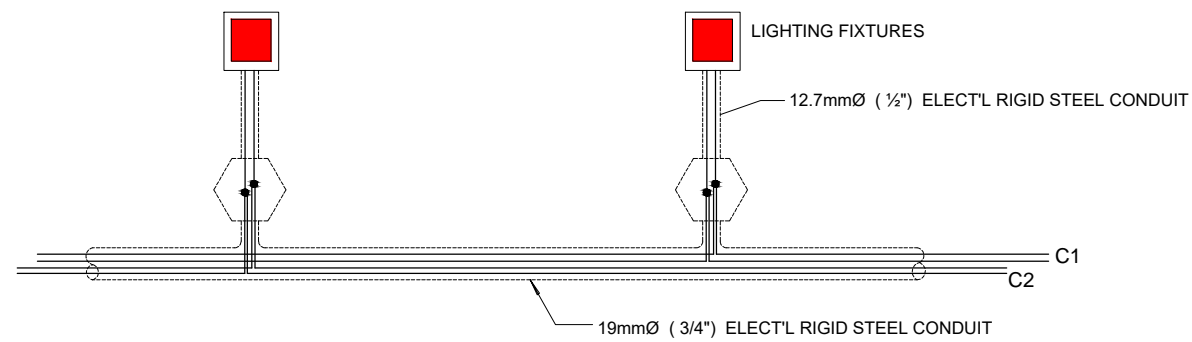
KEY PLAN

LEGEND:

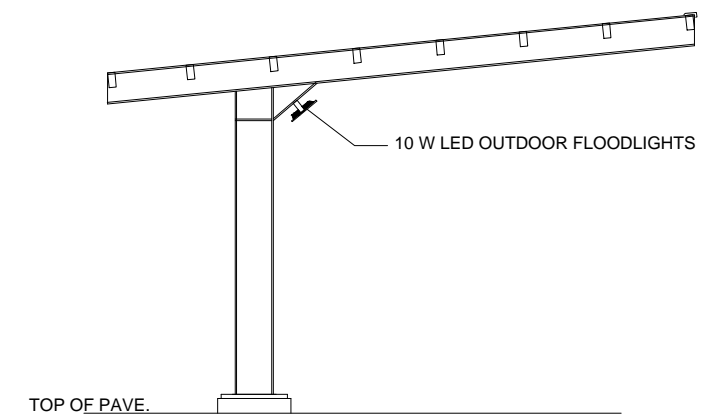
■ 10 W LED OUTDOOR FLOODLIGHTS



ELECTRICAL PLAN  
SCALE 1:200 M.



WIRE CONNECTION DETAIL



LIGHTING FIXTURES LOCATION



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

AS SHOWN

SCALE:  
AS SHOWN

SHEET NO.  
15 of 45

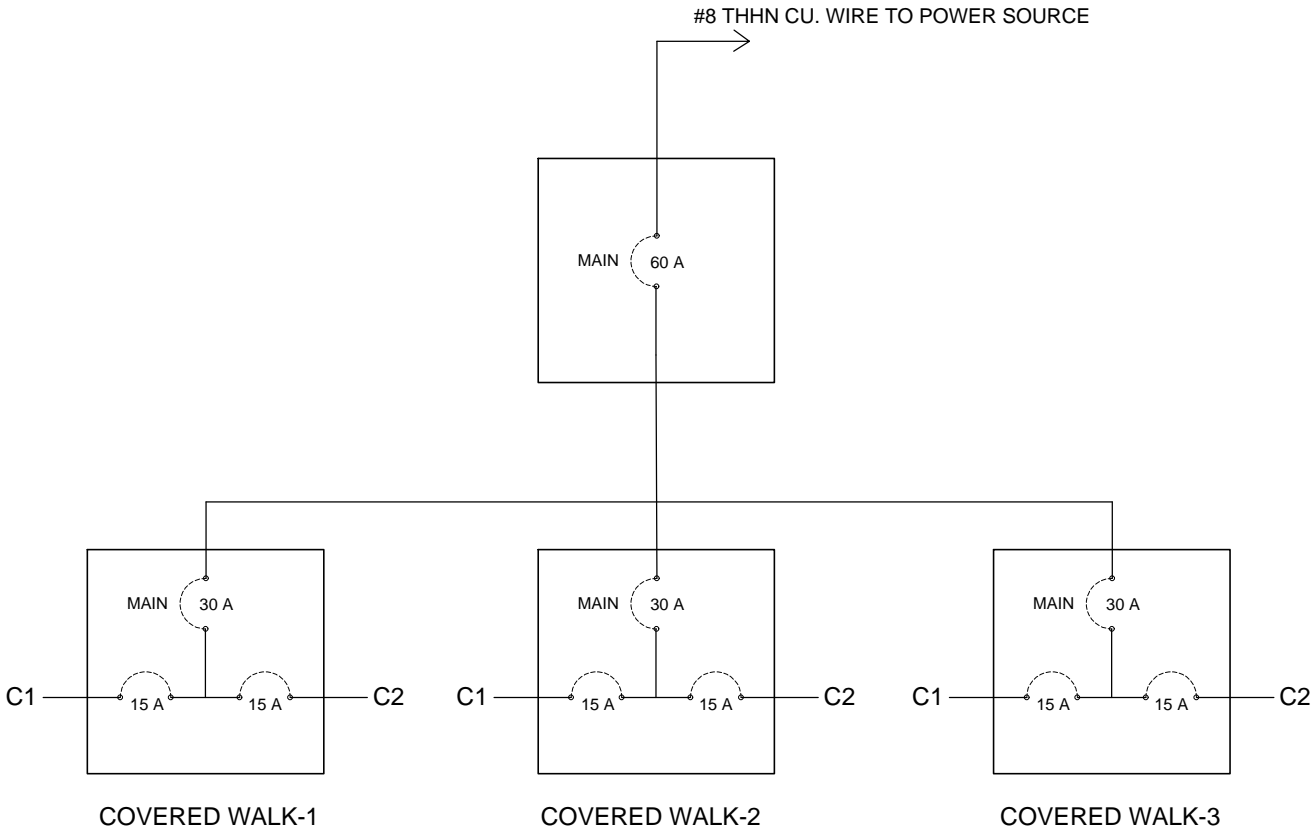
DATE :  
04 OCT 2019



SCHEDULE OF LOAD										
COVERED WALK - 1										
CKT. NO.	Unit		LOAD DESCRIPTION	VOLTS	WATTS	AMPS	WIRE (mm <sup>2</sup> ) THHN / THWN		METAL ELEC'L CONDUIT PIPE mmØ	CIRCUIT BREAKER PROTECTION
1	21		10 W LED LIGHTING FIXTURES	220	210		3.5		SEE CONNECTION DETAIL	15 AT - 2P
2	19		10 W LED LIGHTING FIXTURES	220	190		3.5		SEE CONNECTION DETAIL	15 AT - 2P
TOTAL	40									30 AT - 2P

SCHEDULE OF LOAD										
COVERED WALK - 2										
CKT. NO.	Unit		LOAD DESCRIPTION	VOLTS	WATTS	AMPS		WIRE (mm <sup>2</sup> ) THHN / THWN	METAL ELEC'L CONDUIT PIPE mmØ	CIRCUIT BREAKER PROTECTION
1	31		10 W LED LIGHTING FIXTURES	220	310			3.5	SEE CONNECTION DETAIL	15 AT - 2P
2	32		10 W LED LIGHTING FIXTURES	220	320			3.5	SEE CONNECTION DETAIL	15 AT - 2P
TOTAL	63									30 AT - 2P

SCHEDULE OF LOAD										
COVERED WALK - 3										
CKT. NO.	Unit		LOAD DESCRIPTION	VOLTS	WATTS	AMPS	WIRE (mm <sup>2</sup> / THHN / THWN)	METAL ELEC'L CONDUIT PIPE mmØ	CIRCUIT BREAKER PROTECTION	
1	12		10 W LED LIGHTING FIXTURES	220	120		3.5	SEE CONNECTION DETAIL	15 AT - 2P	
2	12		10 W LED LIGHTING FIXTURES	220	120		3.5	SEE CONNECTION DETAIL	15 AT - 2P	
TOTAL	24								30 AT - 2P	



**NOTE:** PROPOSED PANEL BOARD TO BE INSTALLED IN ELECTRICAL ROOM @ GATE-3



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

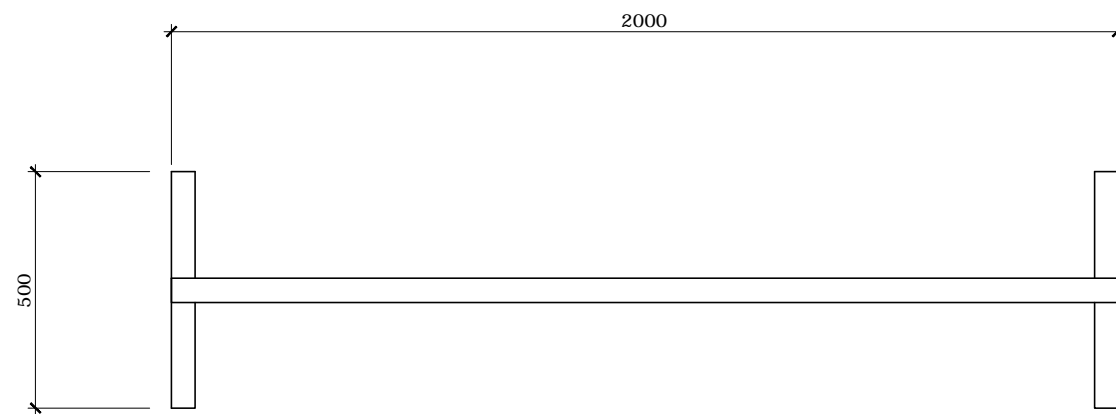
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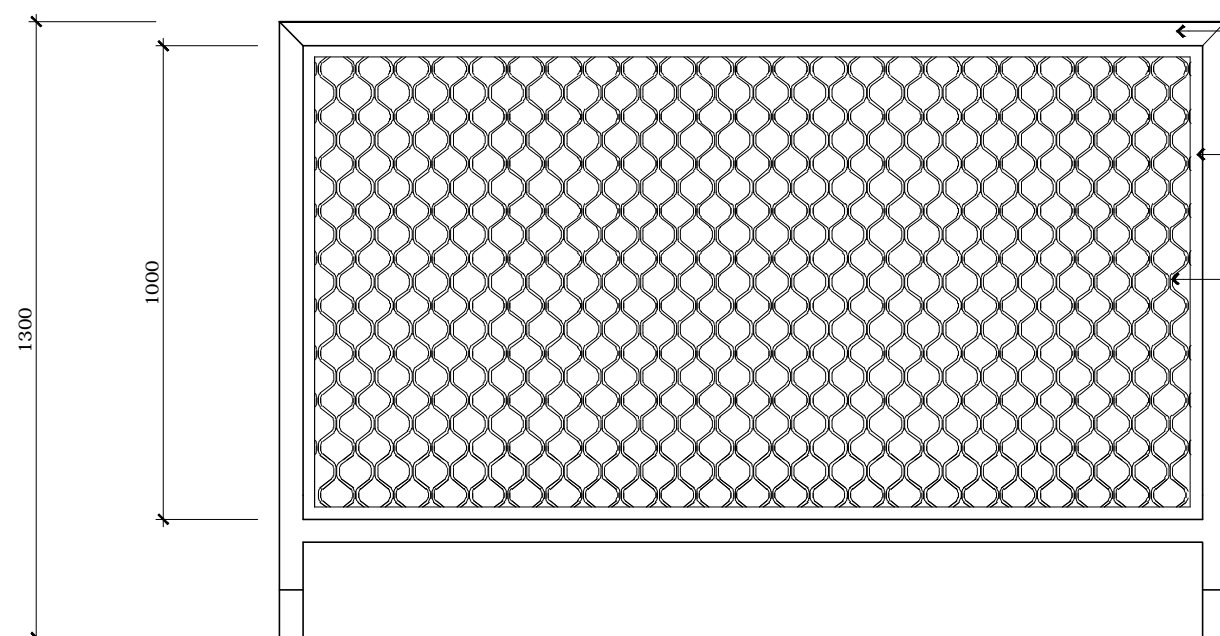
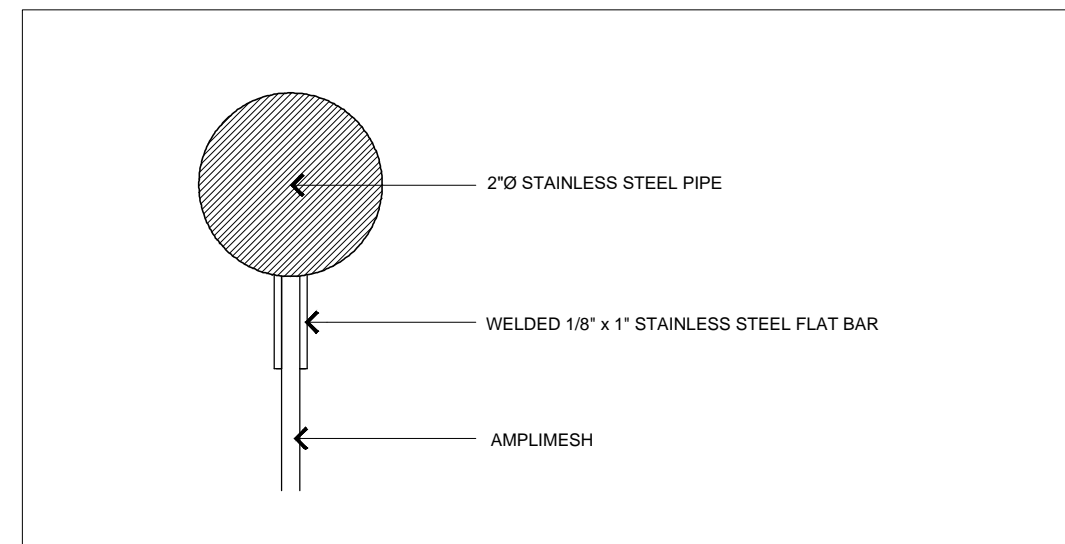
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DATE :  
04 OCT 2019



PLAN

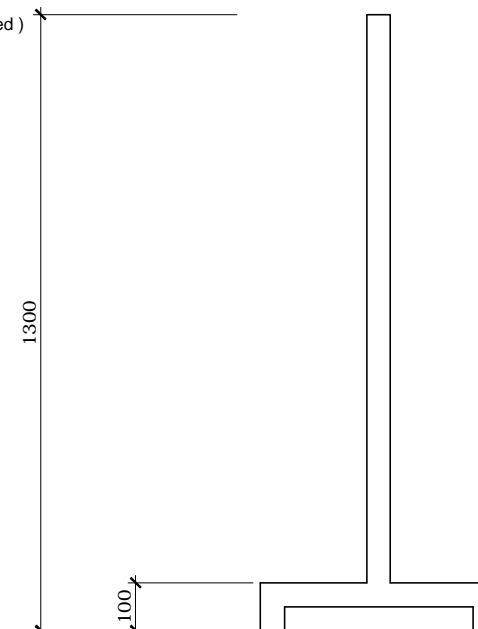


FRONT ELEVATION

P304 x 60.33 x 3.91mm STAINLESS STEEL PIPE ( smoked / un-polished )

WELDED 1/8" x 1" STAINLESS STEEL FLAT BAR

AMPLIMESH ( white )



SIDE ELEVATION

## MOVABLE BARRICADE FENCE 30SETS



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

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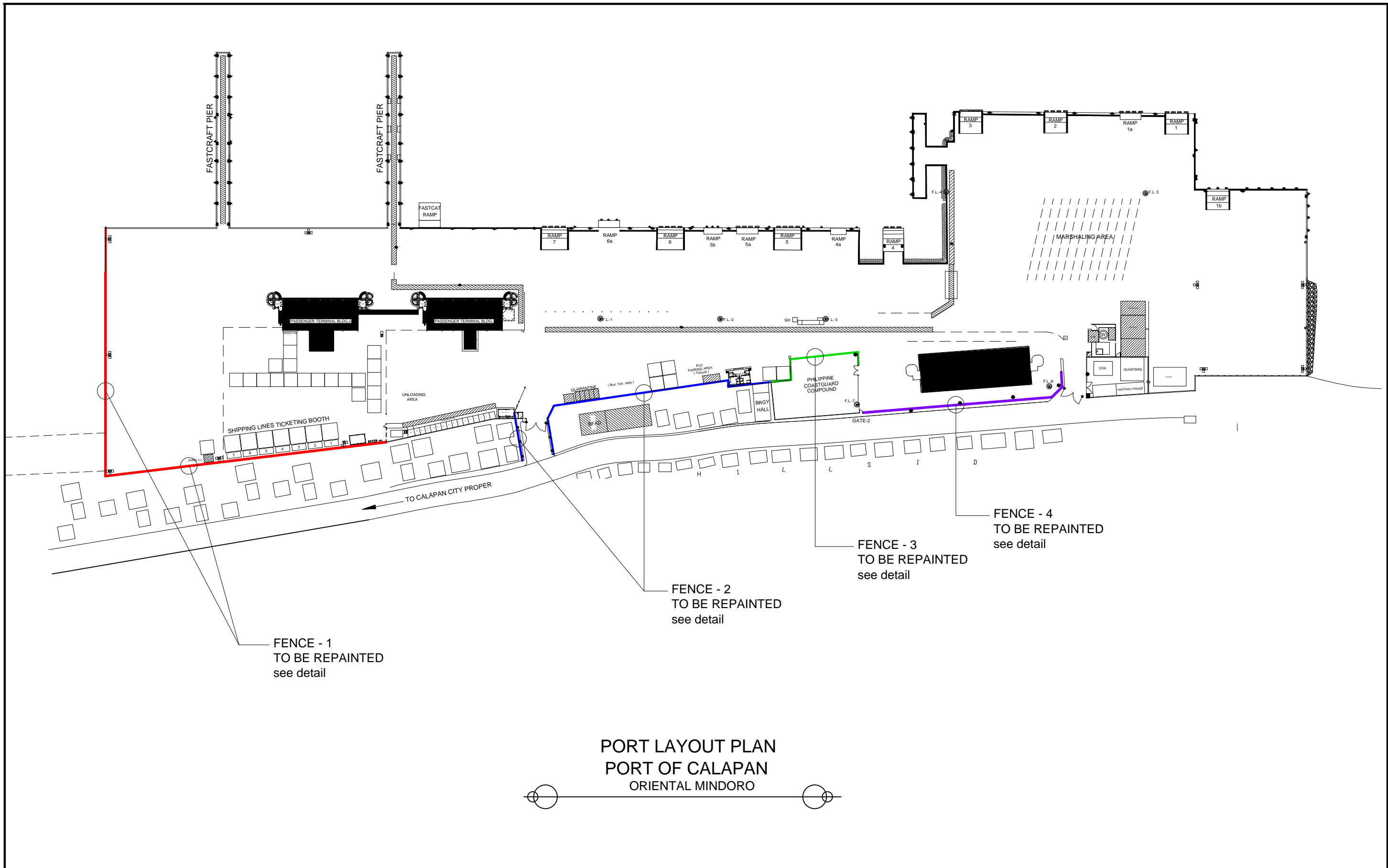
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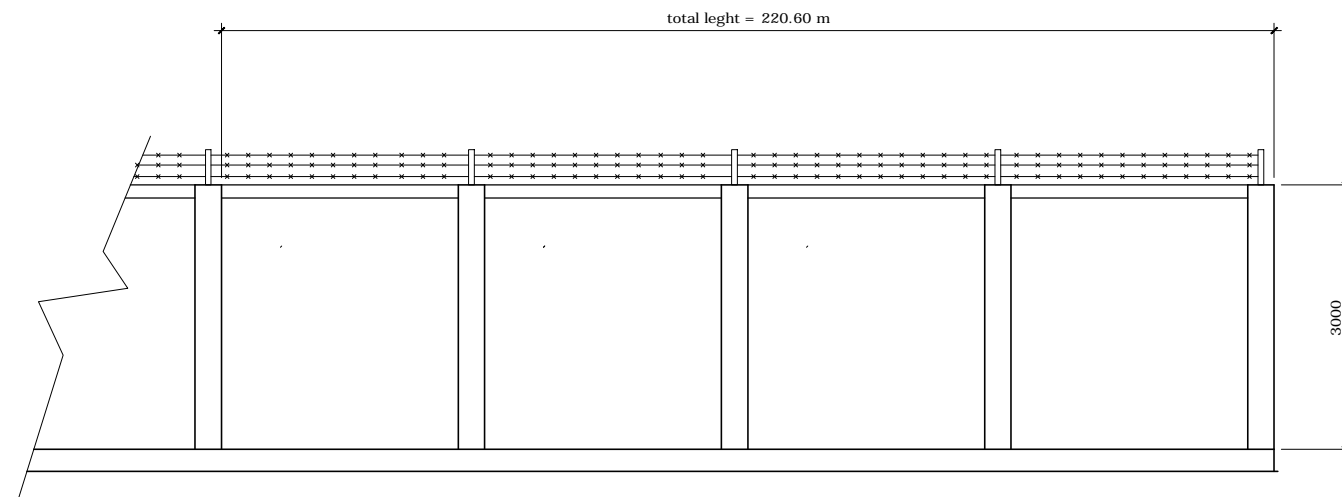
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DATE :

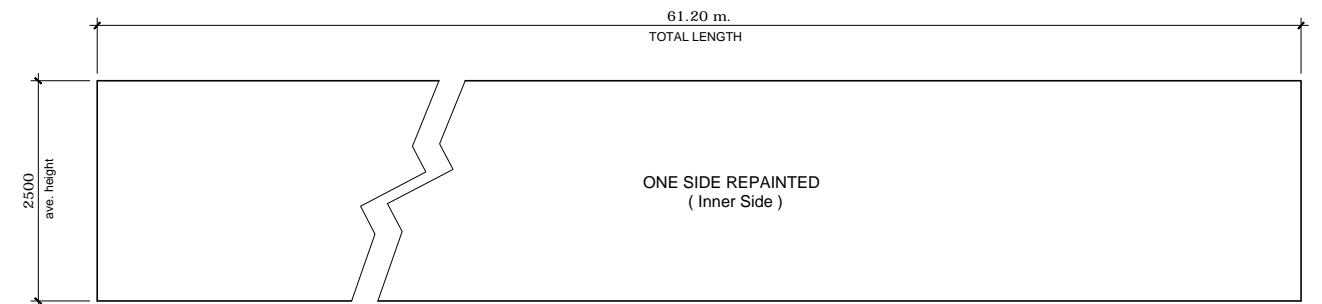
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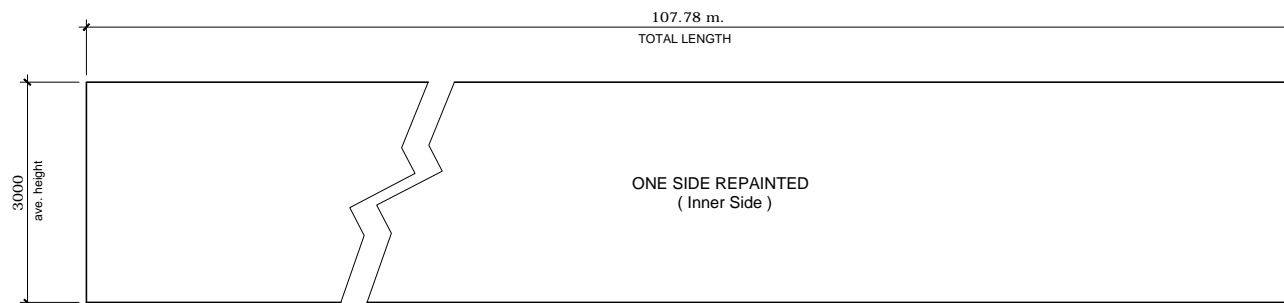
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	PREPARED BY:	SUBMITTED BY:	CHECKED / REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED :	AS SHOWN	SHEET NO. 18 of 45
	FERNANDO J. GALVEZO Engineering Assistant A	EMERSON D. QUIAMBAO Office Engineer	RONALD O. MATIBAG Acting Principal Engineer A	MARGARITO P. DIMAILIG Acting Division Manager A, ESD	ELVIS R. MEDALLA Port Manager A		DATE : 04 OCT 2019



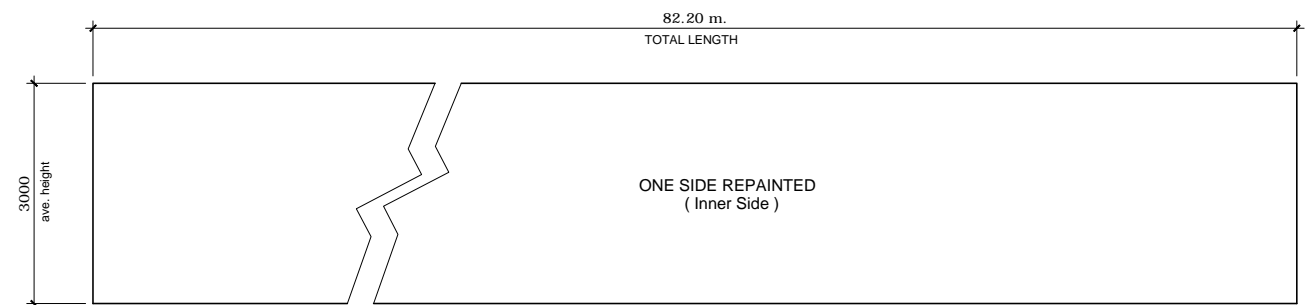
TYPICAL ELEVATION OF FENCE - 1



FENCE - 3



FENCE - 2



FENCE - 4



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

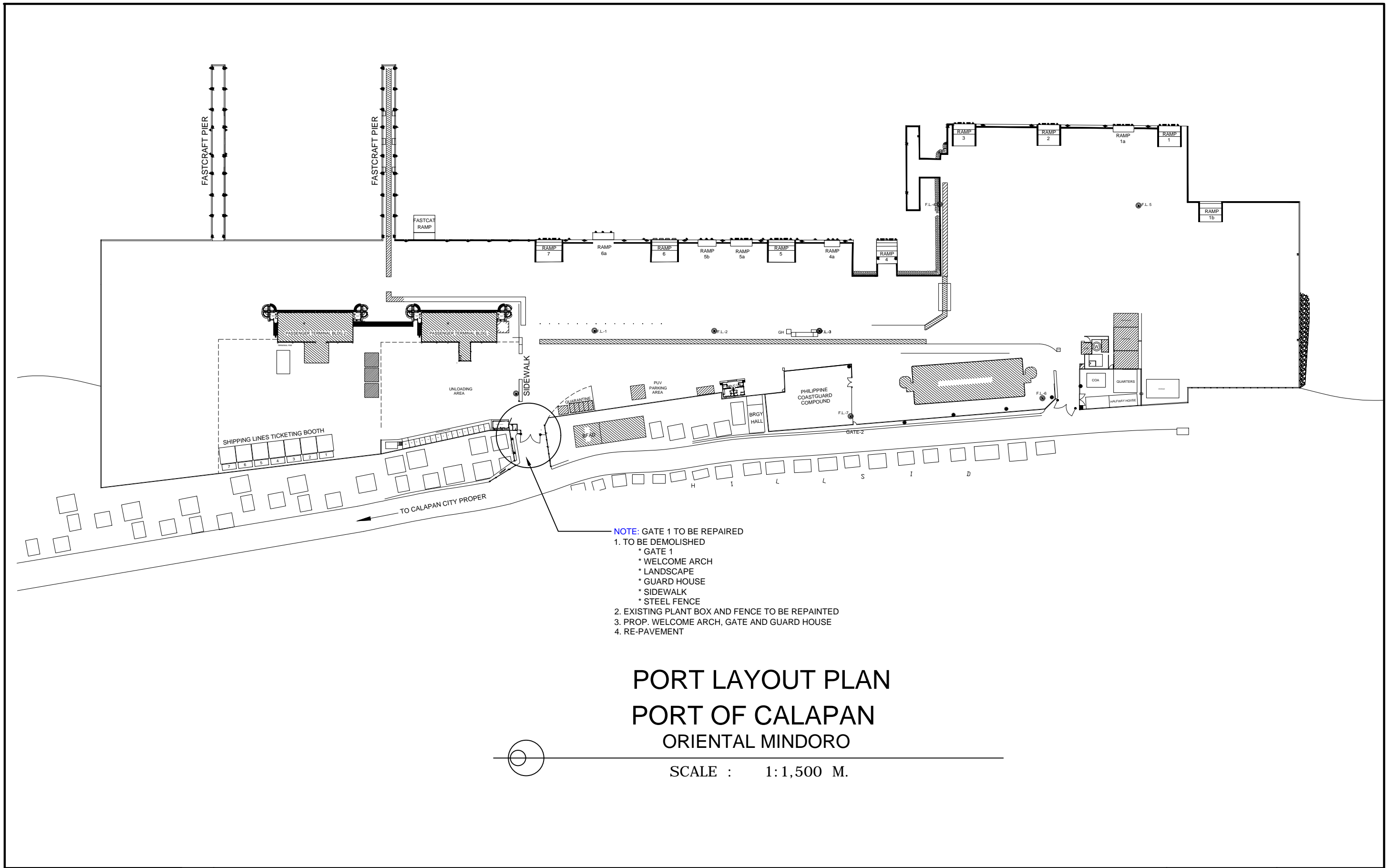
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SCALE:  
AS SHOWN

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19 of 45

DATE :  
04 OCT 2019



PORT LAYOUT PLAN  
PORT OF CALAPAN  
ORIENTAL MINDORO

SCALE : 1:1,500 M.



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

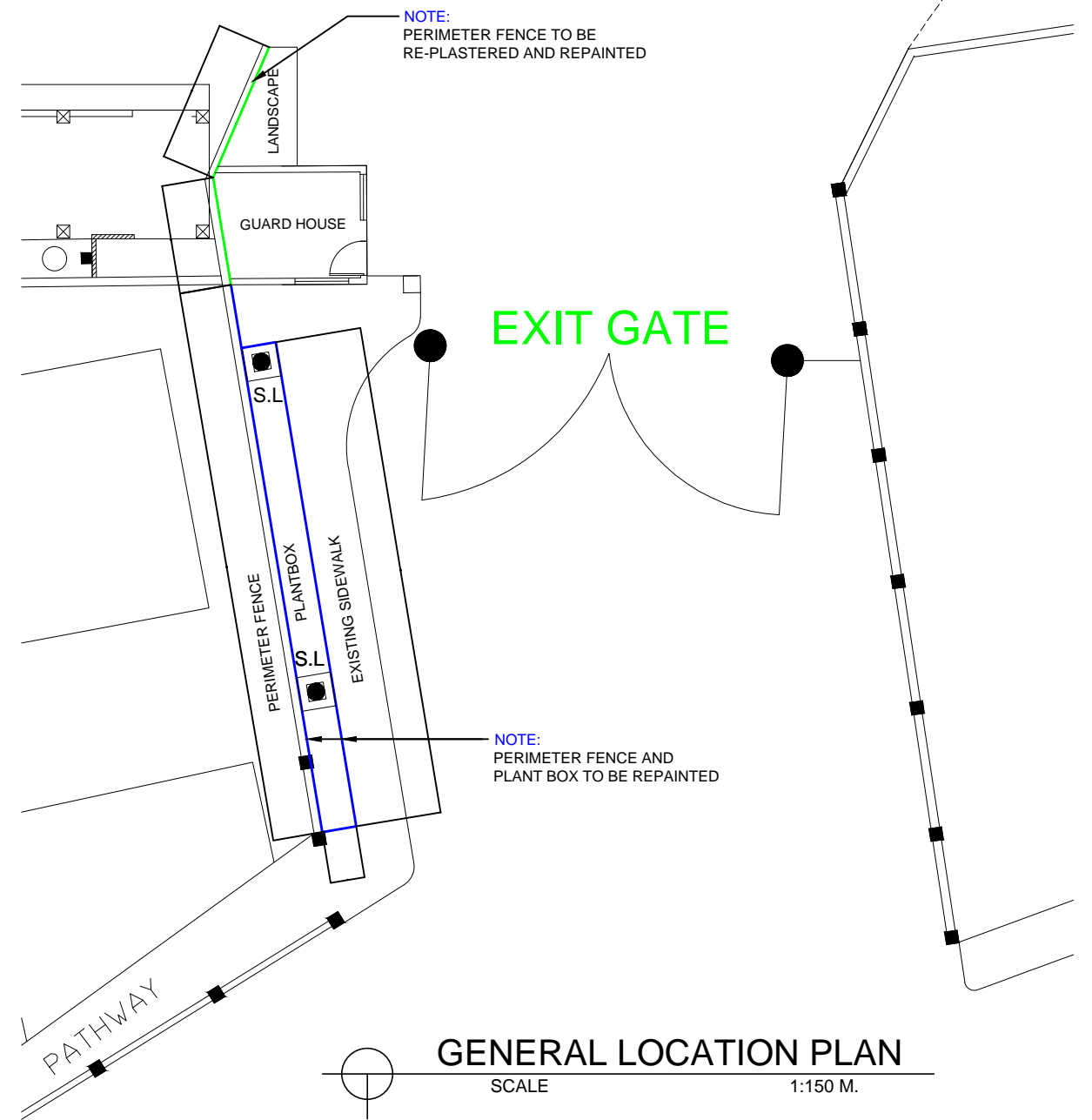
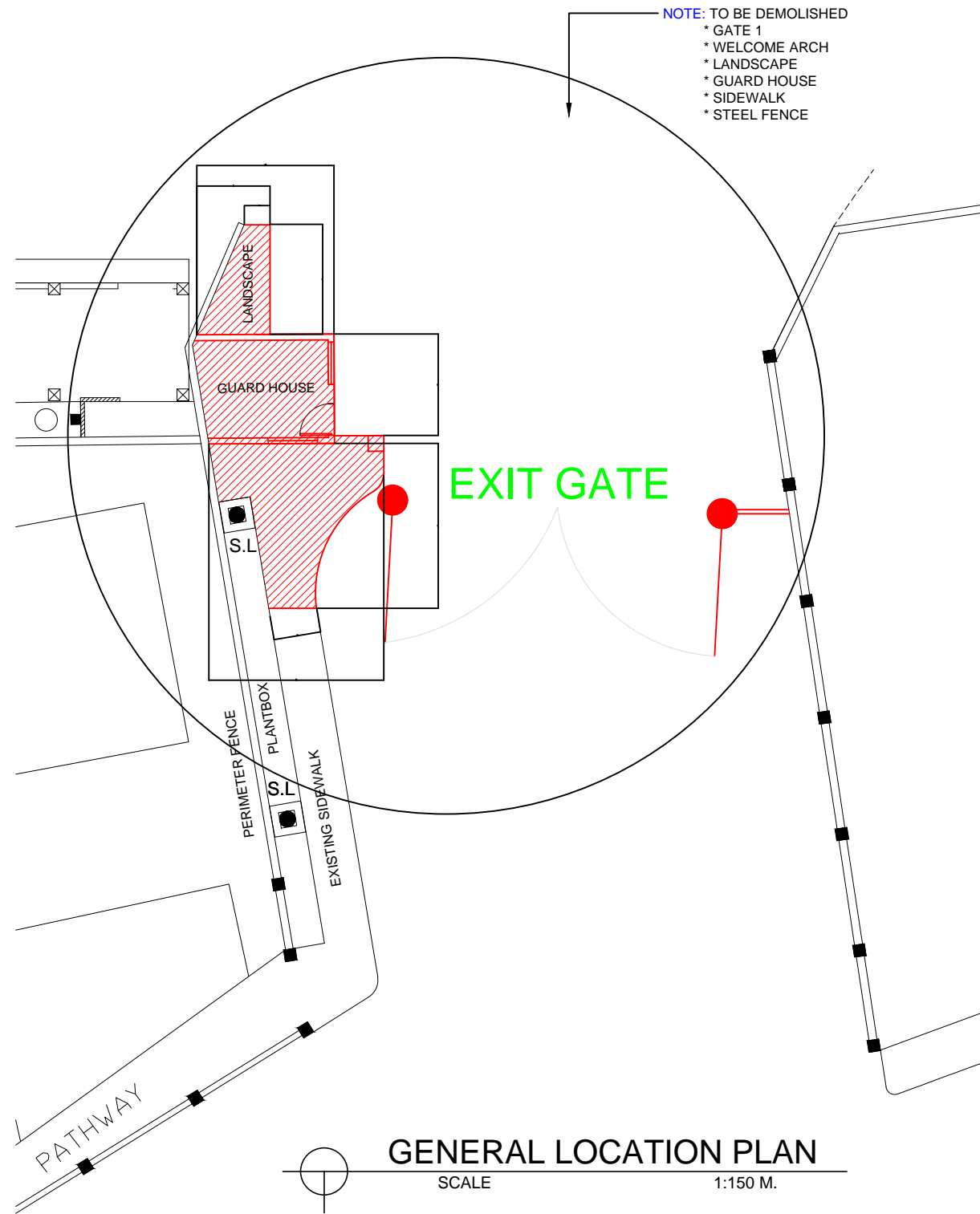
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AS SHOWN

SHEET NO.  
20 of 45

DATE :  
04 OCT 2019



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

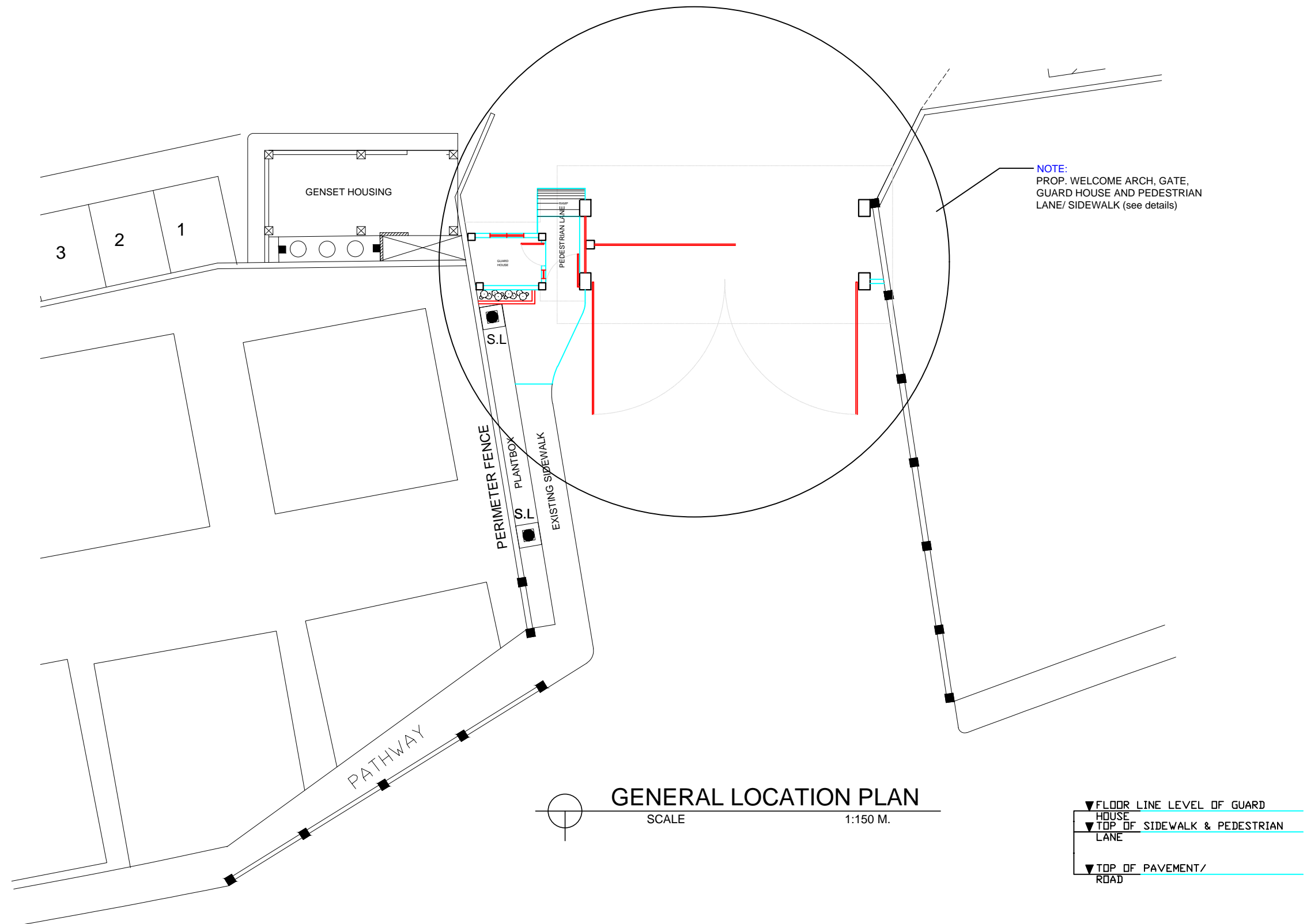
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**SCALE:**  
AS SHOWN

**SHEET NO.**  
21 of 45

**DATE :**  
04 OCT 2019



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

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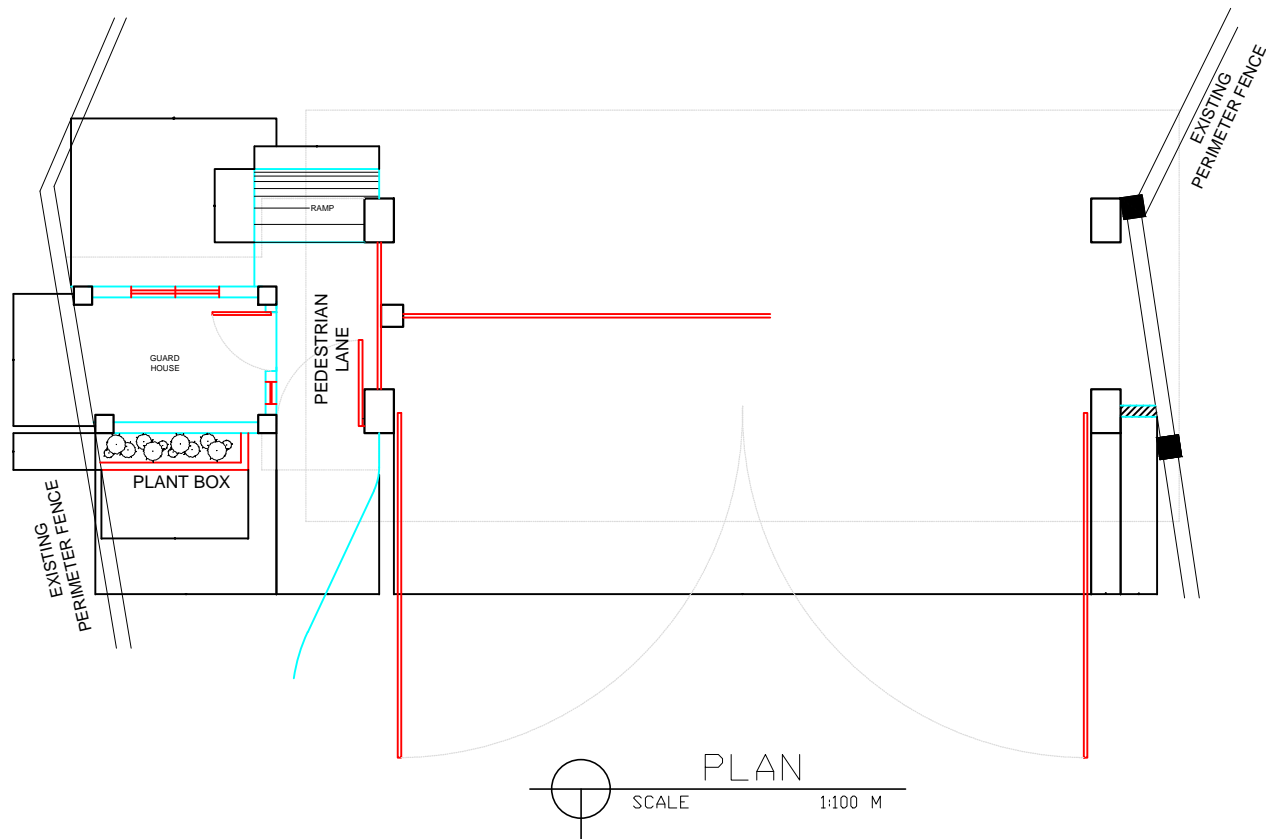
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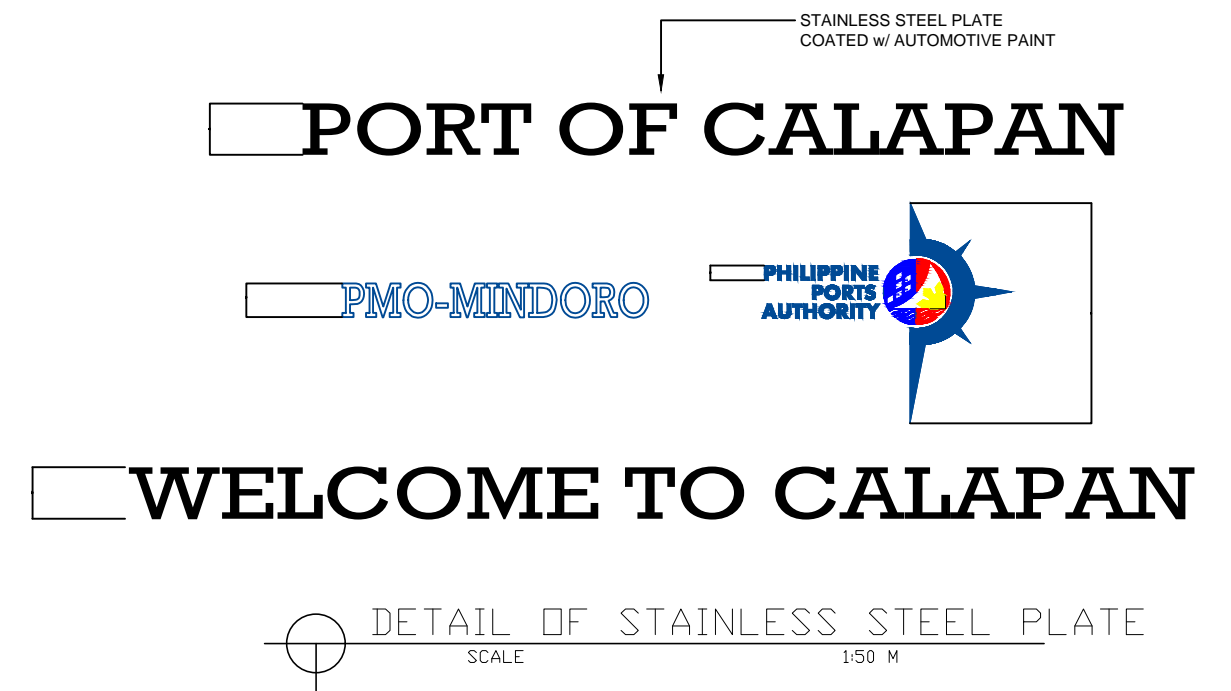
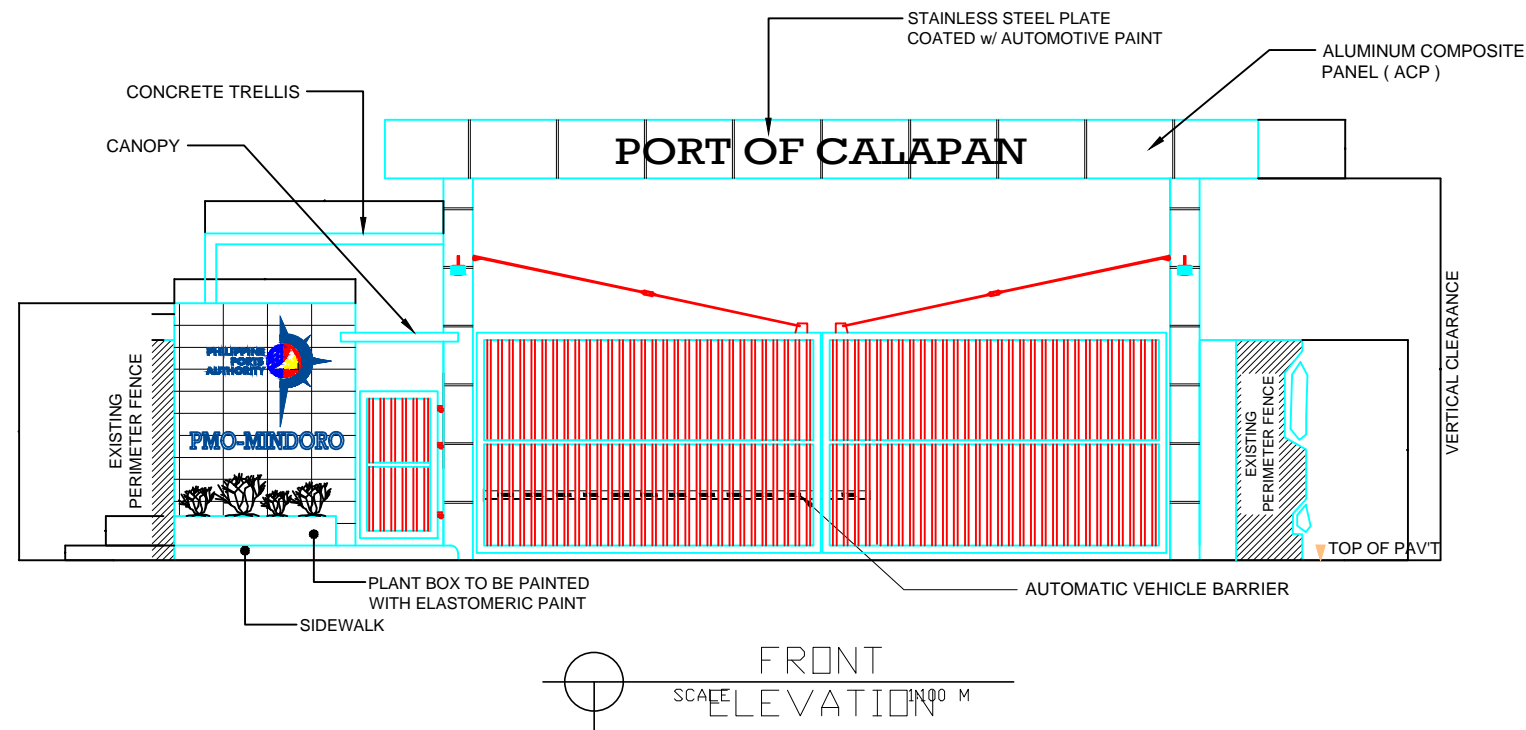
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04 OCT 2019





PERSPECTIVE  
VIEW



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

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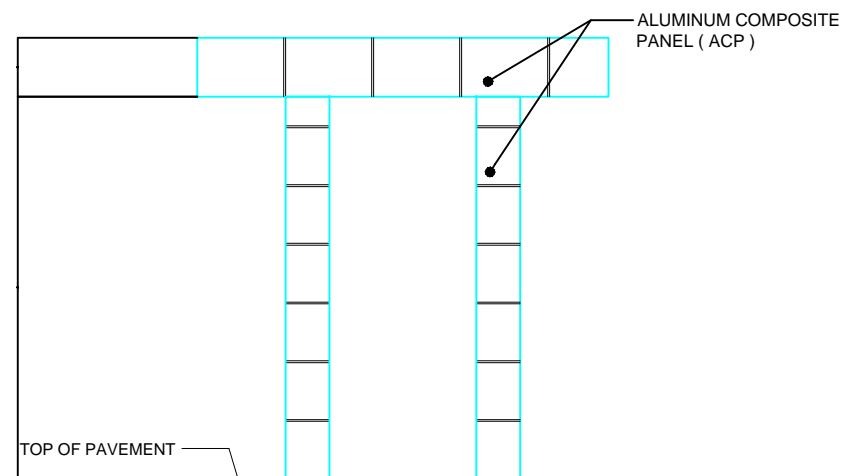
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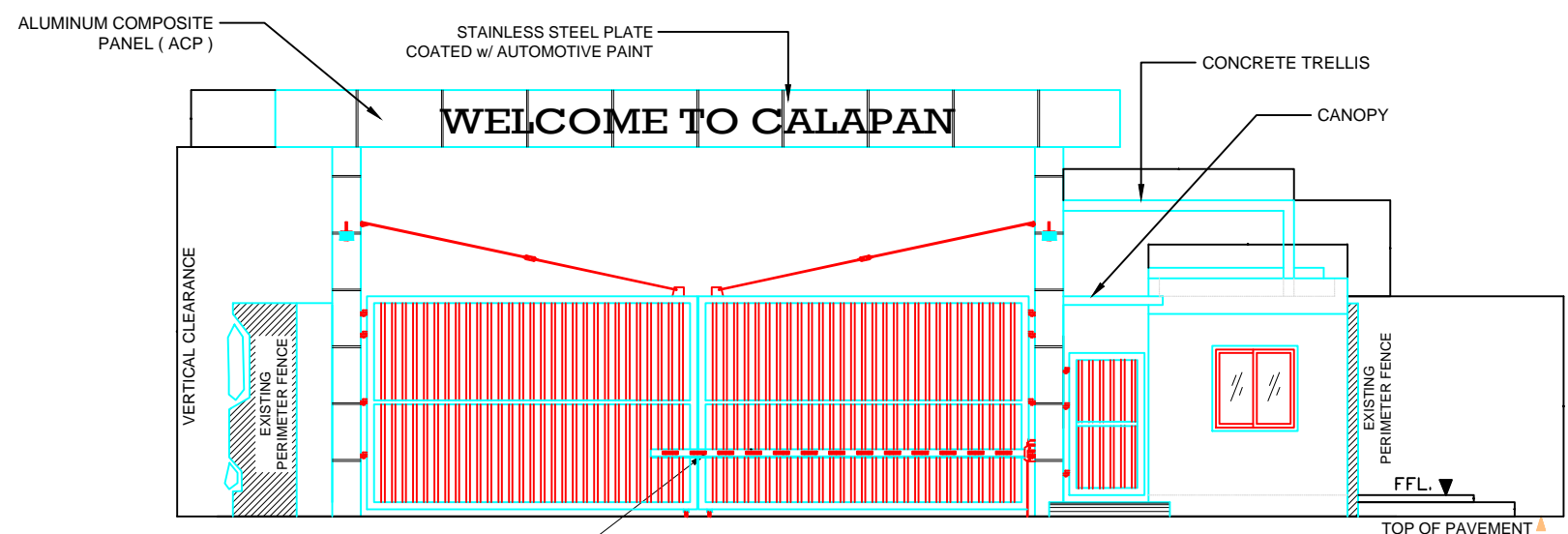
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DATE :  
04 OCT 2019

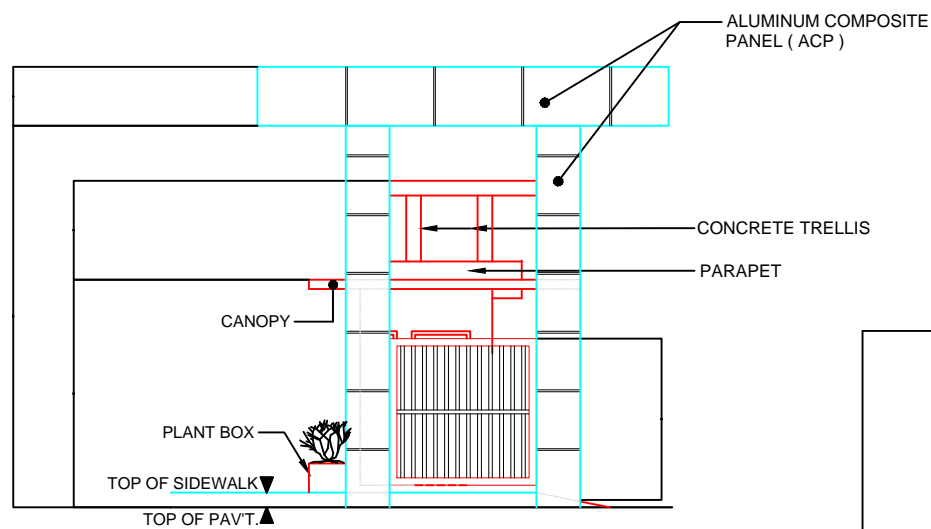




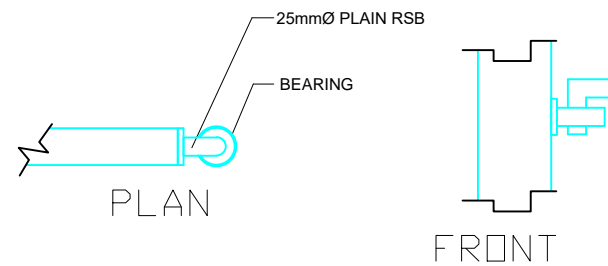
RIGHT  
ELEVATION  
SCALE 1:100 M



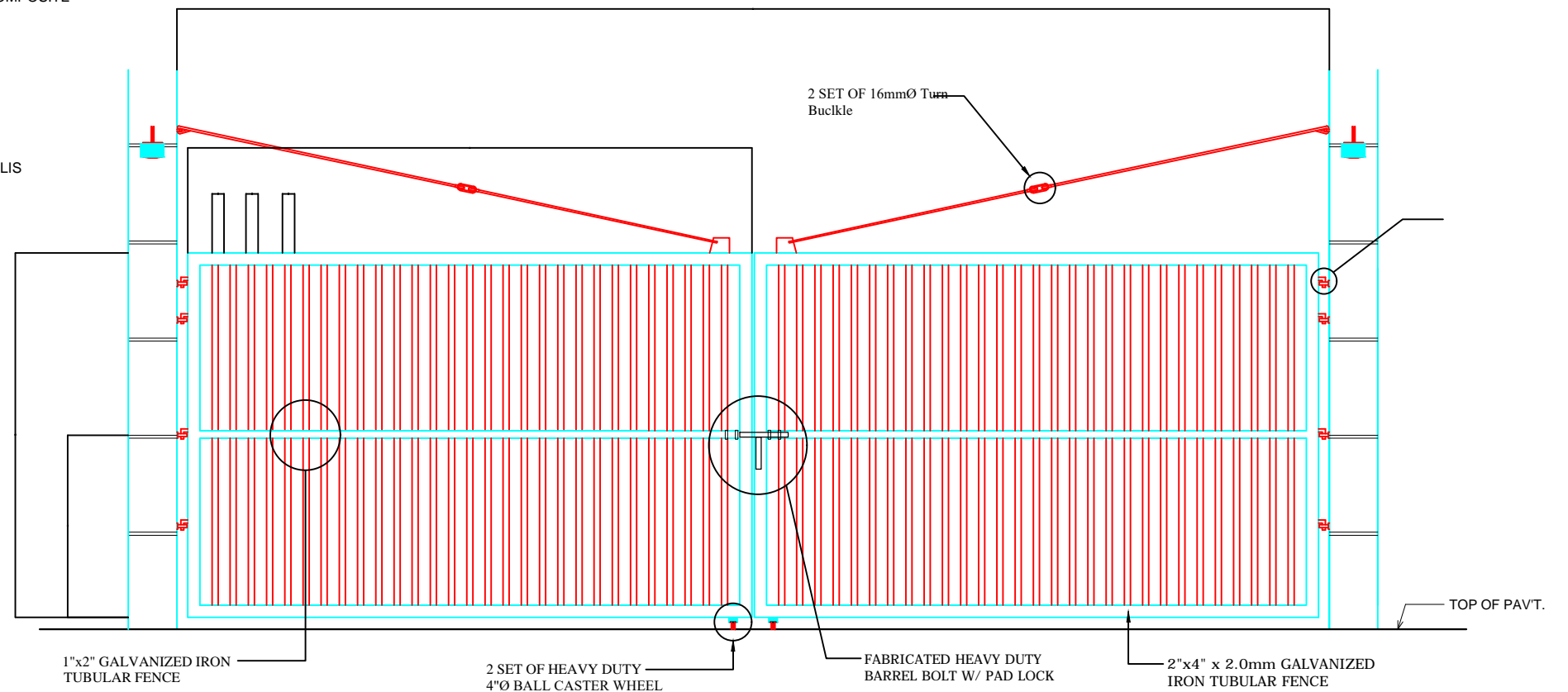
REAR  
ELEVATION  
SCALE 1:100 M



LEFT  
ELEVATION  
SCALE 1:100 M



PILLOW BLOCK BEARING DETAIL



GATE DETAILS  
SCALE 1:50 M



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

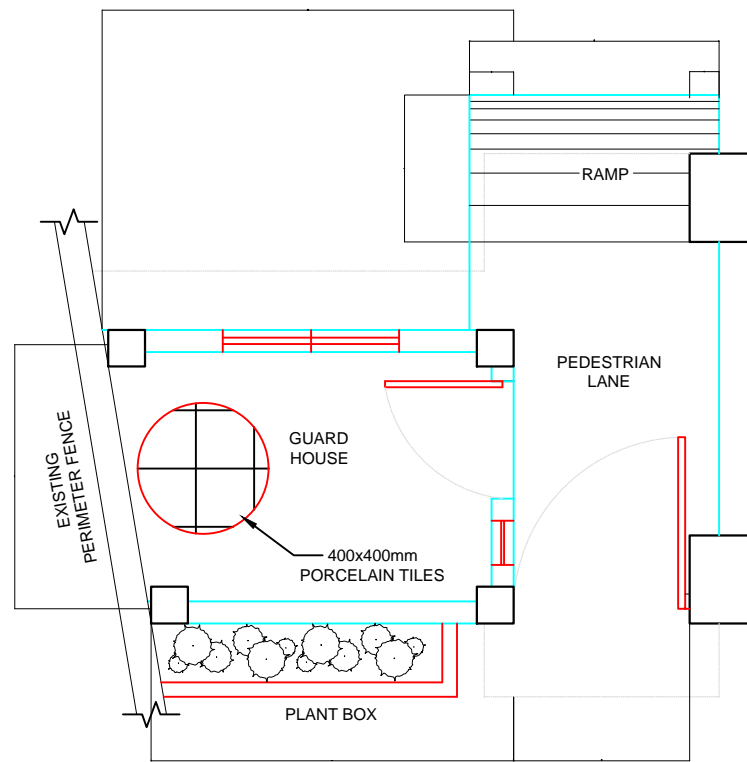
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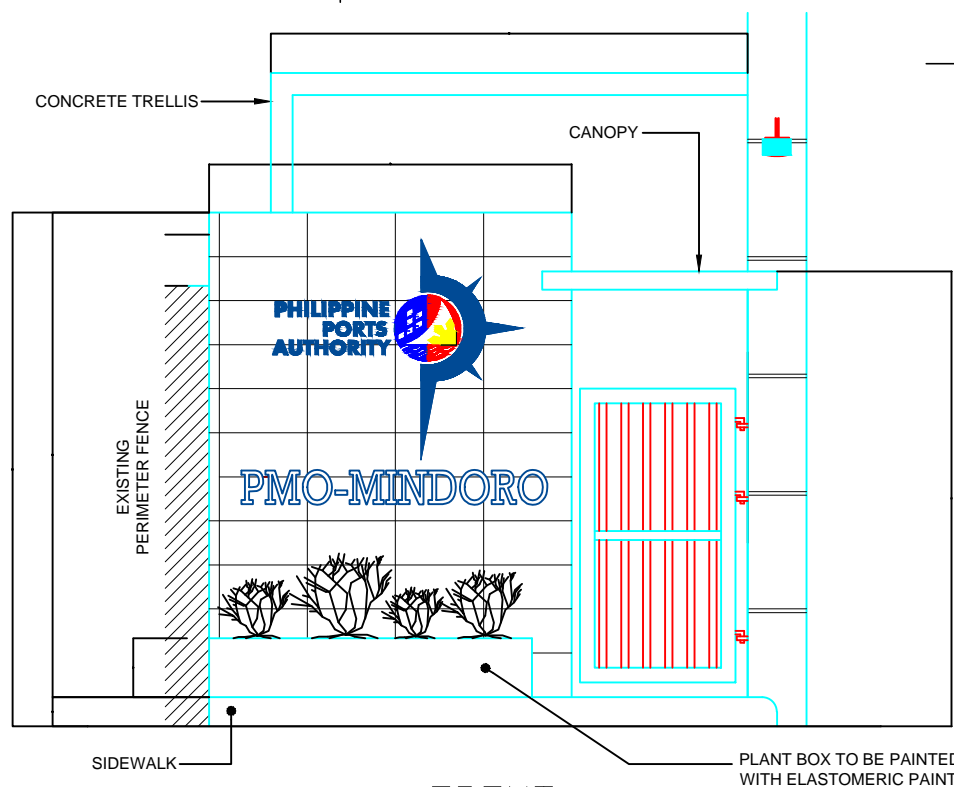
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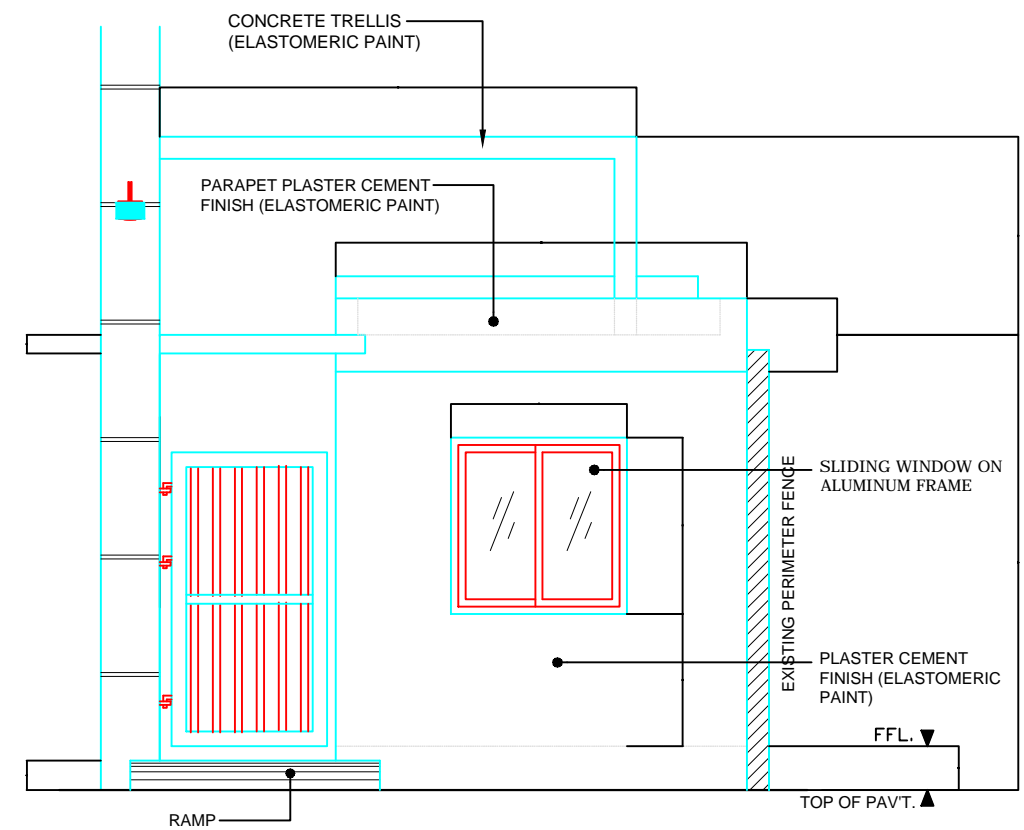
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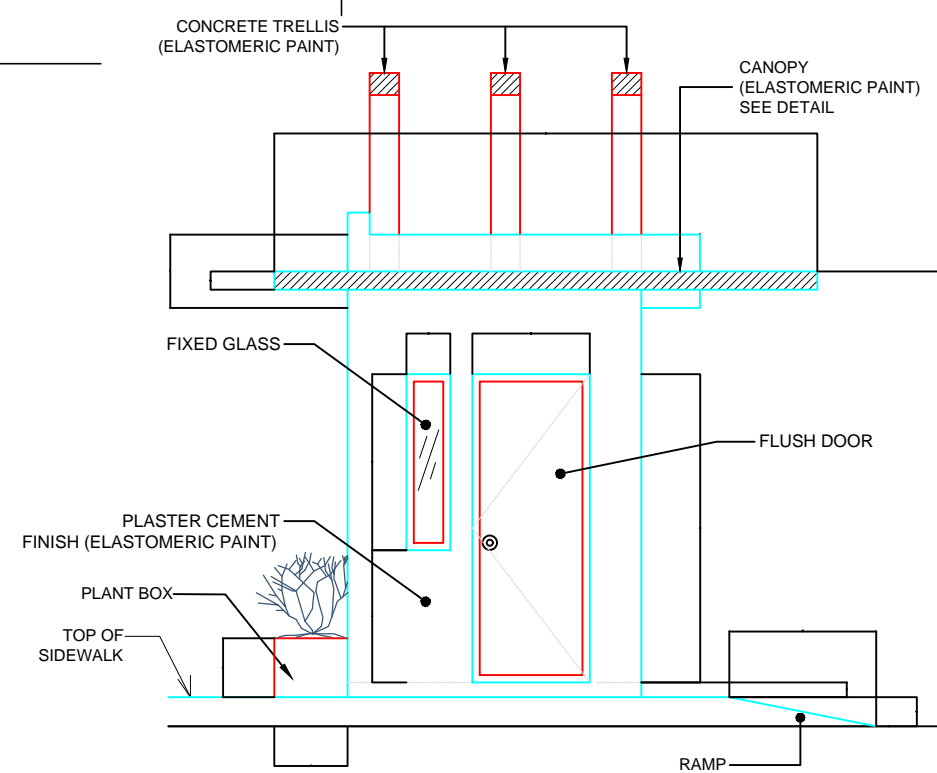
PLAN  
SCALE 1:50 M



FRONT ELEVATION  
SCALE 1:50 M



REAR ELEVATION  
SCALE 1:50 M



RIGHT ELEVATION  
SCALE 1:50 M

## GUARD HOUSE DETAIL



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

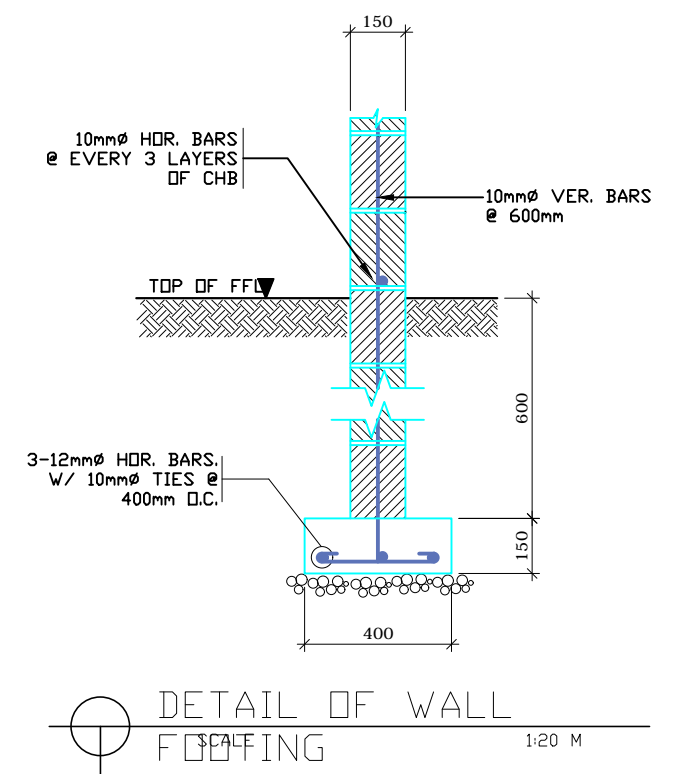
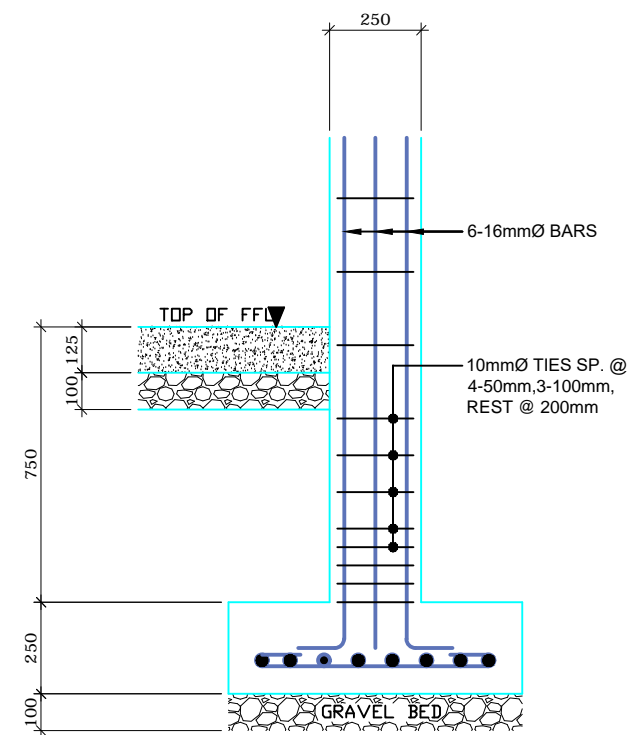
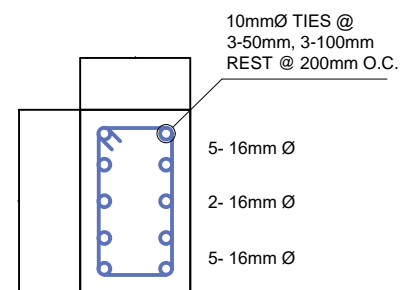
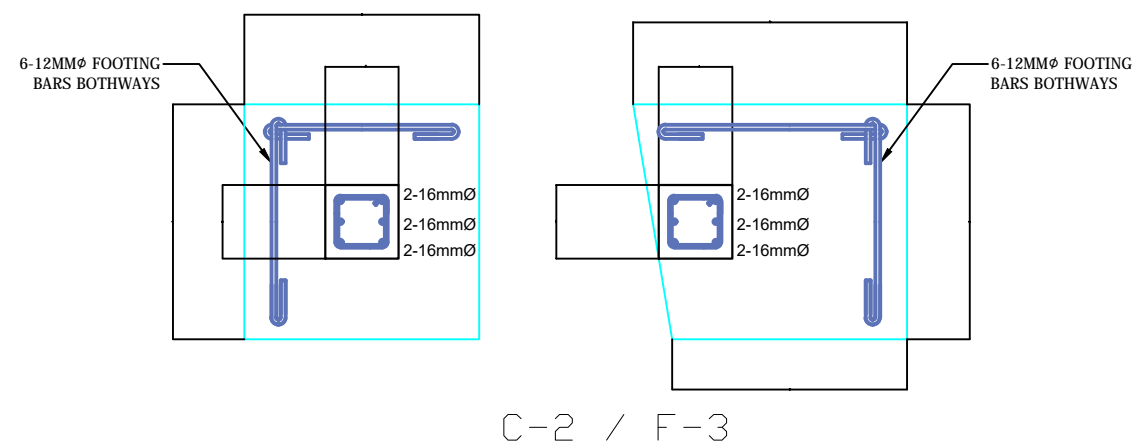
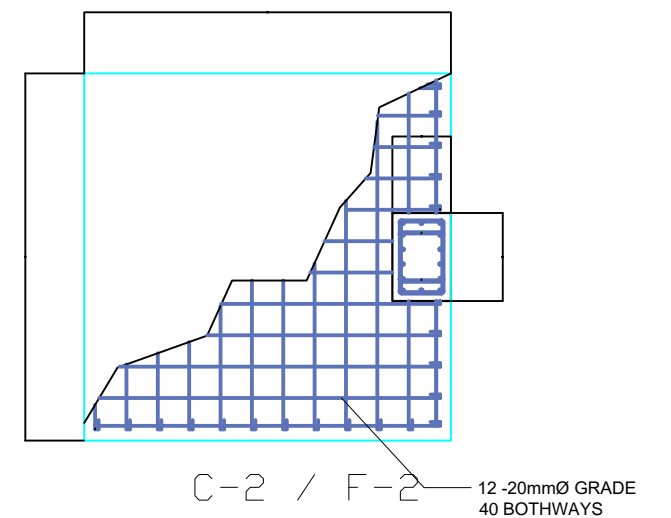
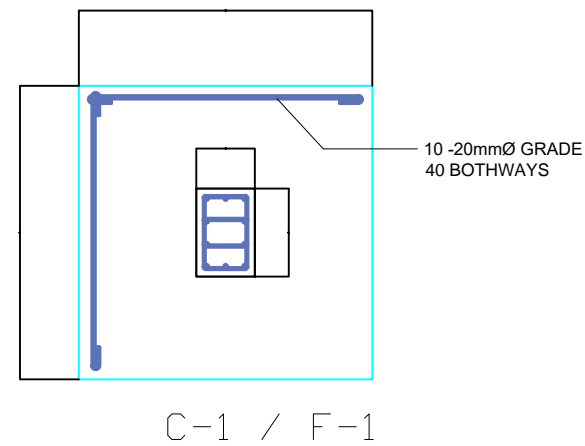
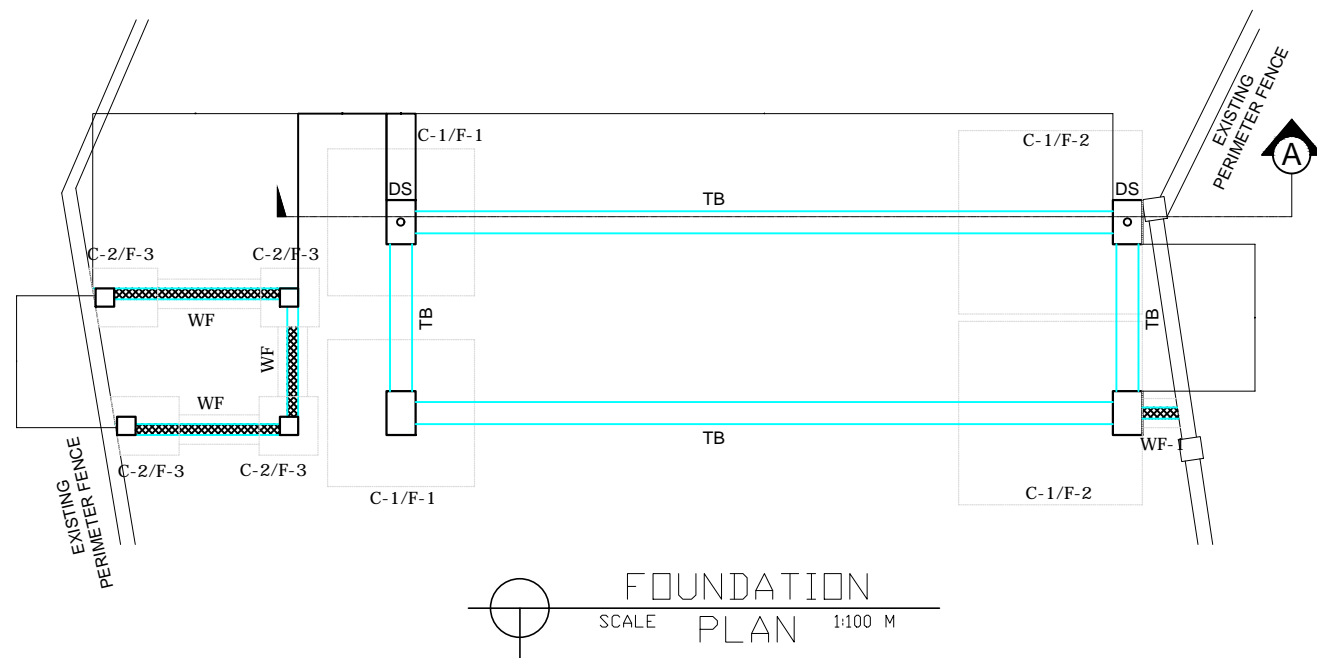
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SCALE:  
AS SHOWN

SHEET NO.  
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DATE :  
04 OCT 2019



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

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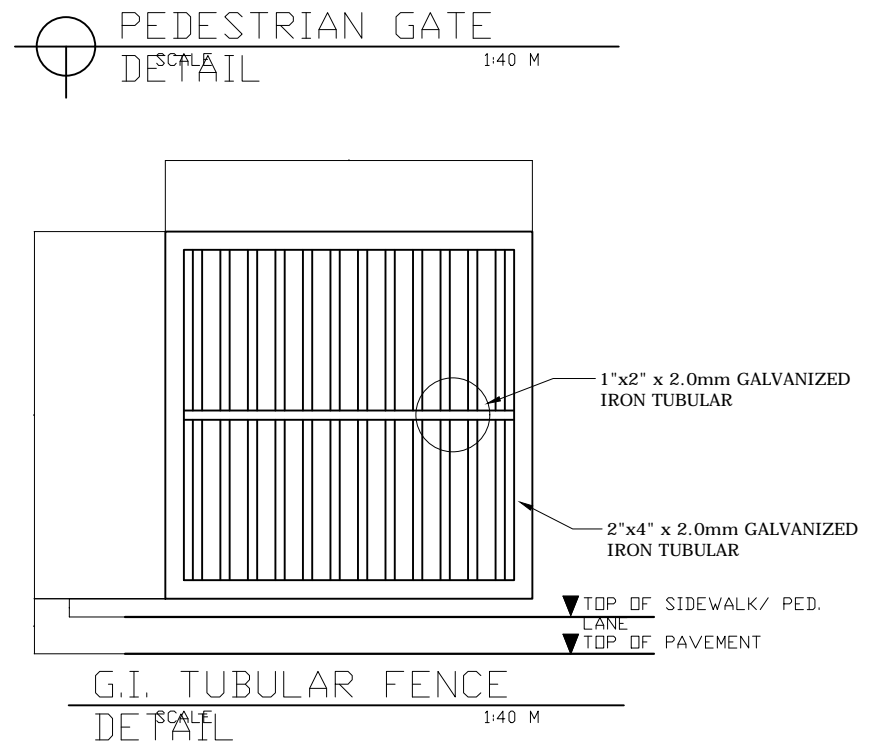
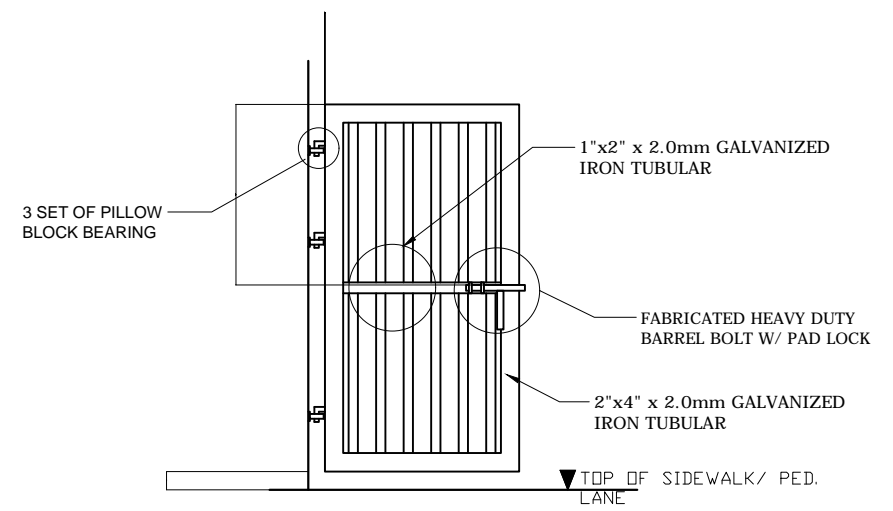
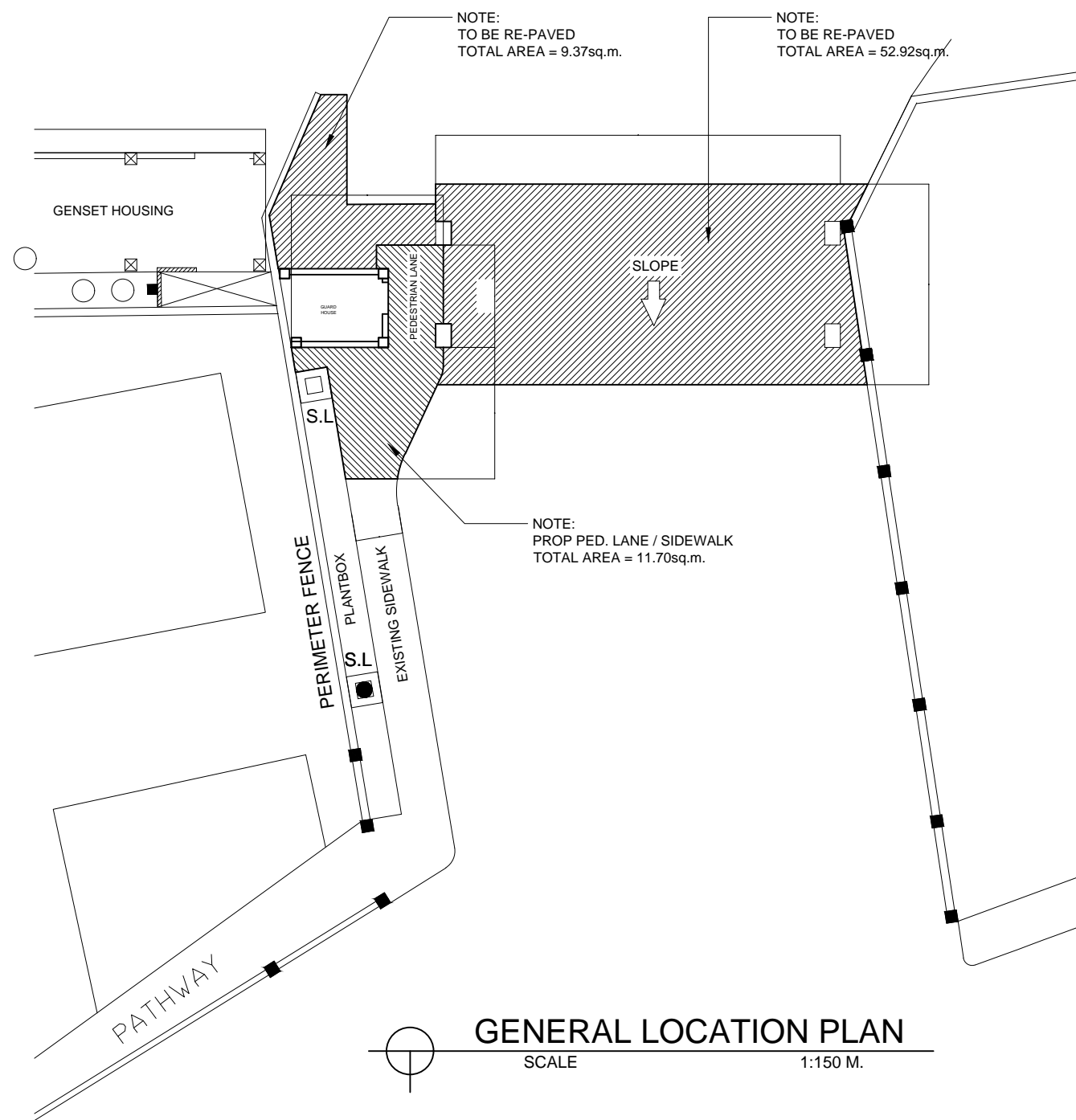
SCALE:  
AS SHOWN

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DATE :  
04 OCT 2019



SLAB DETAIL				
	HEIGHT from top of pavement	SLAB Thickness	BASECOURSE Thickness	REINFORCEMENT
CONC. PAVEMENT/ ROAD	0	300	200	16mmØ @ 600mm O.C.
SIDEWALK/ PED. LANE	200	100	100	10mmØ @ 600mm O.C.
GUARD HOUSE	300	100	100	10mmØ @ 600mm O.C.



# RE - PAVEMENT



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

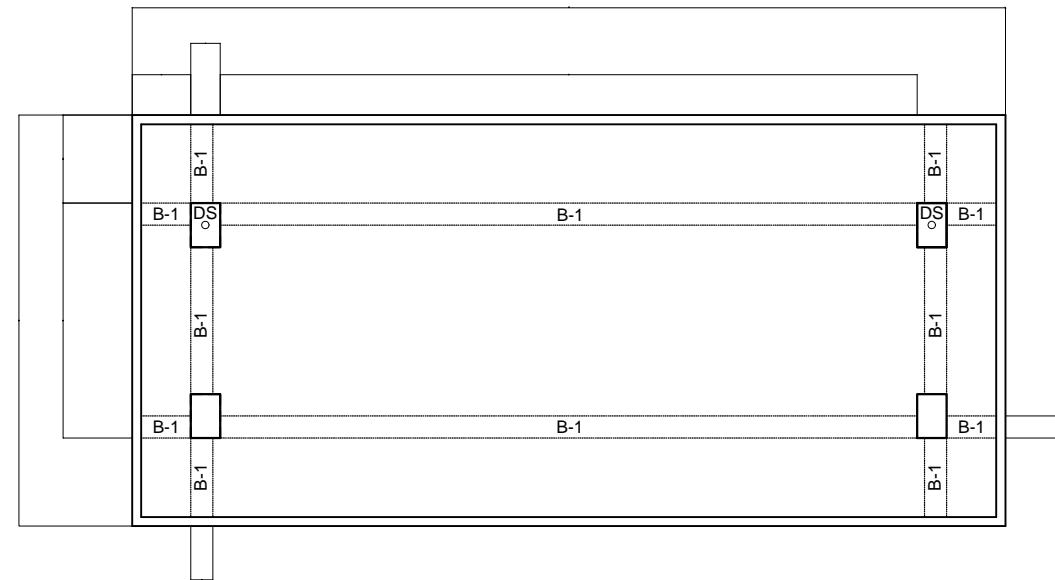
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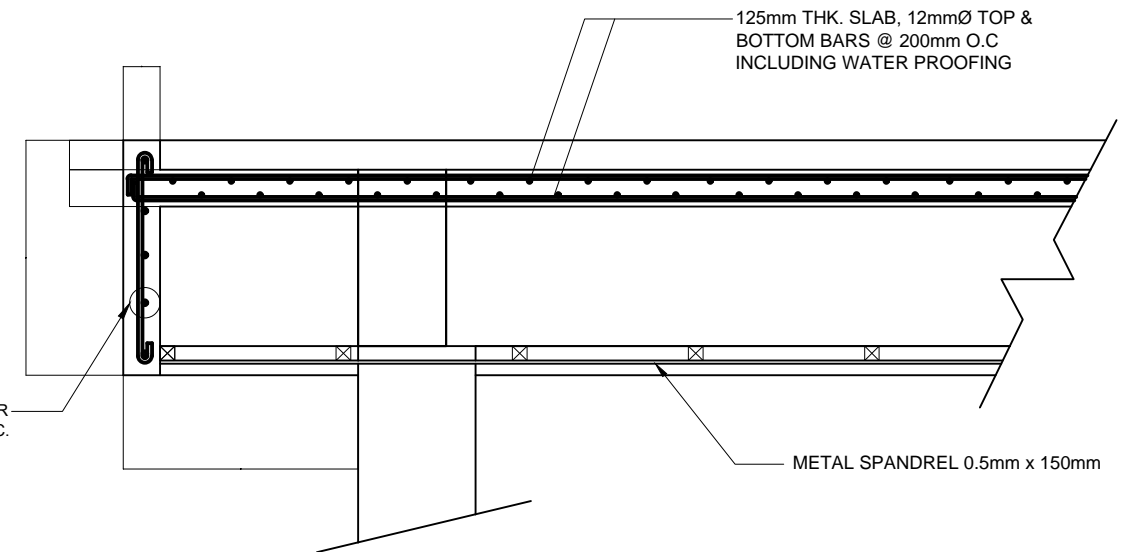
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04 OCT 2019

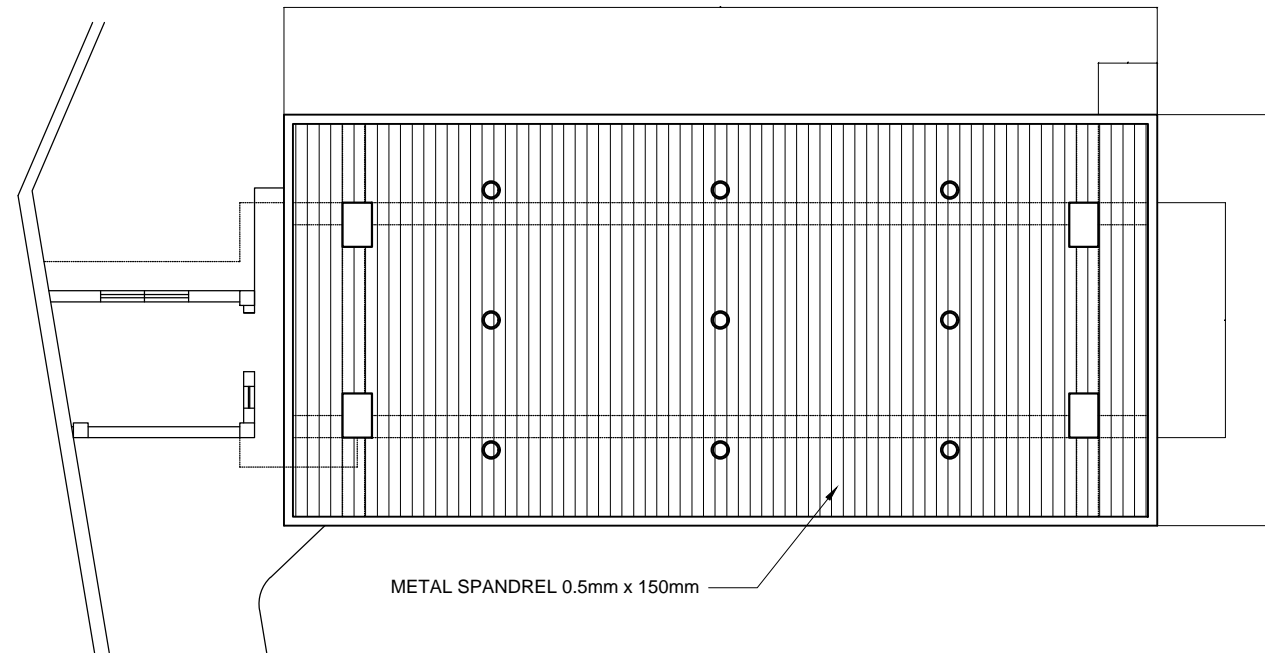


**ROOF DECK FRAMING PLAN**  
SCALE 1:100 M

5-12mmØ HORIZONTAL BAR  
10mmØ VERTICAL BAR @ 200mm OC.



**SLAB SECTION DETAIL**  
SCALE 1:25 M



METAL SPANDREL 0.5mm x 150mm

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



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

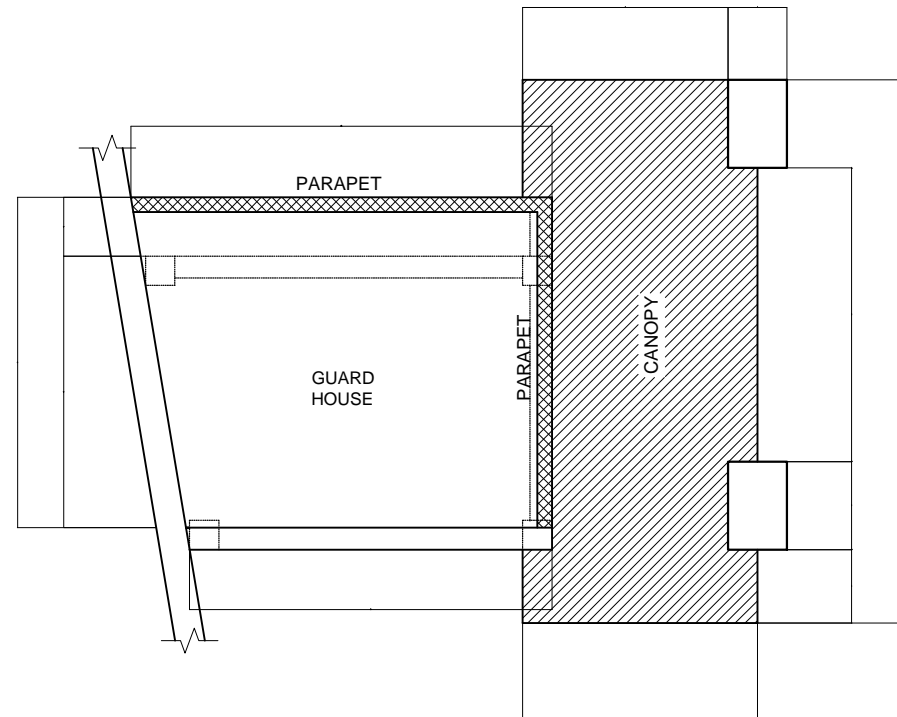
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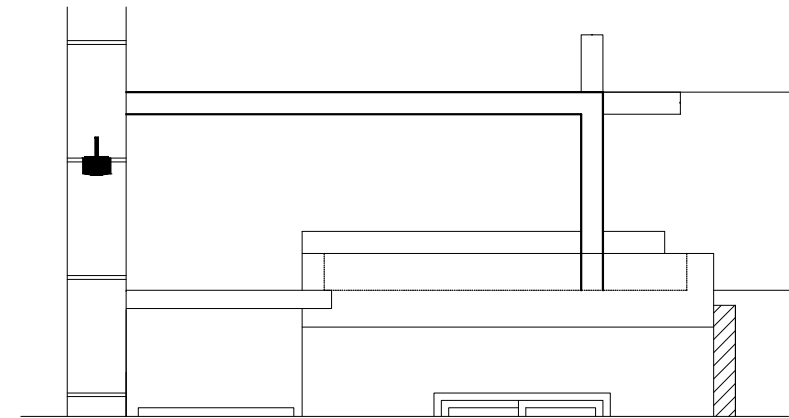
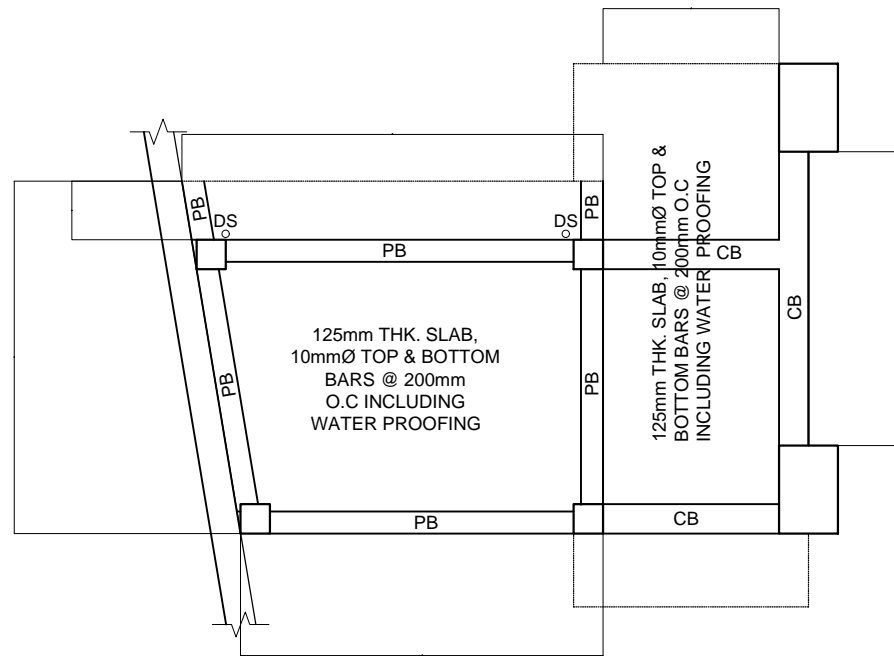
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**SHEET NO.**  
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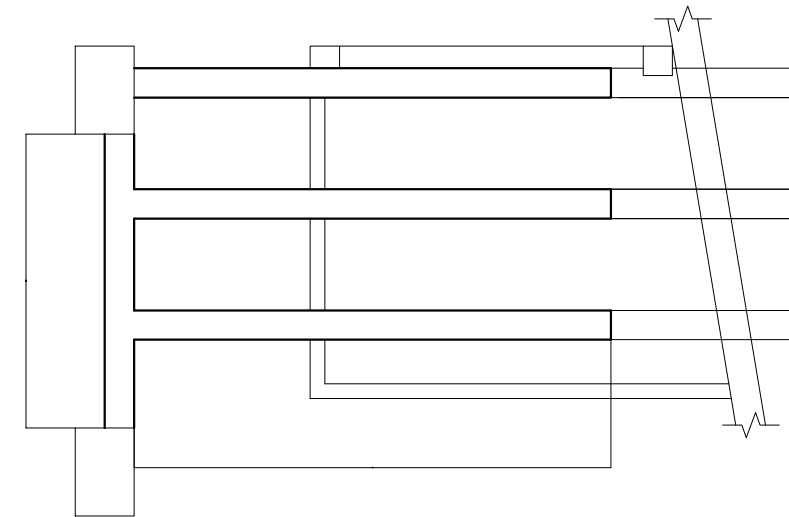
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04 OCT 2019



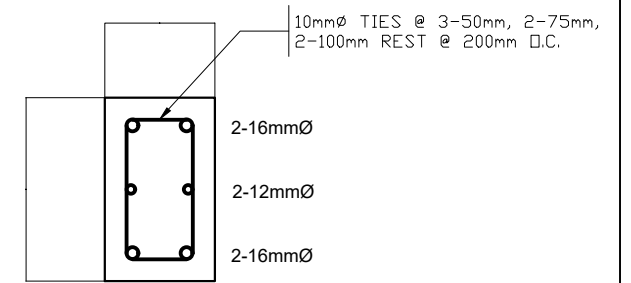
**GUARD HOUSE ROOF BEAM PLAN**  
SCALE 1:50 M



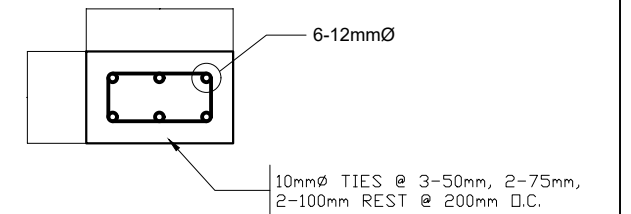
**CONCRETE TRELLIS DETAIL**  
SCALE 1:50 M



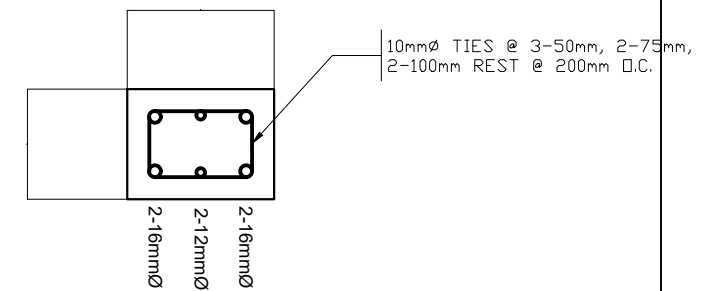
**GUARD HOUSE SLAB SECTION DETAIL**  
SCALE 1:40 M



**PB PLAN**



**CB PLAN**



**TRELLIS PLAN**



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

**SHEET CONTENTS:**

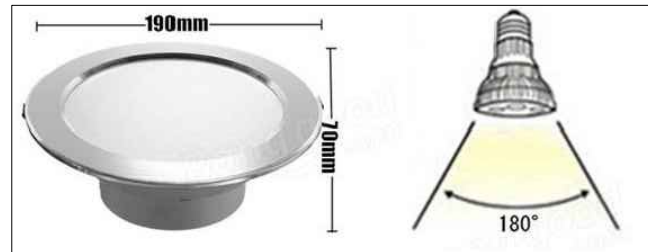
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**SCALE:**  
AS SHOWN

**SHEET NO.**  
30 of 45

**DATE :**  
04 OCT 2019

LEGEND:



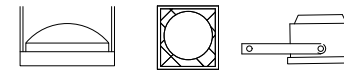
**Specification:**

Power: 15W  
Lumens : 1500lm  
Voltage : 85-265V AC  
Cover material: Aluminum  
Beam angle : 180 degree  
Color temperature :  
Warm White ( 3200-3500K)  
Pure white ( 6000-6500K)  
Dimmable : No  
Certification : CE and RoHS  
Lifetime : > 50,000 hours

**Features:**

- High Brightness and Low Heat
- No UV radiation
- Light up your whole room
- Save up more than 90% power consumption
- Safe and long lifespan
- Instant start, no flashing and shockproof
- No RF interference

LEGEND:

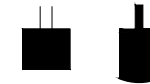


SPECIFICATIONS:	
LED TYPE	CREE
CRI	>80
WATTAGE	18w
VOLTAGE	12V
IP RATING	IP68
FINISH	Aluminium Diecast
BEAM ANGLE	45 degrees
ADD. DETAIL	6mm Tempered Glass



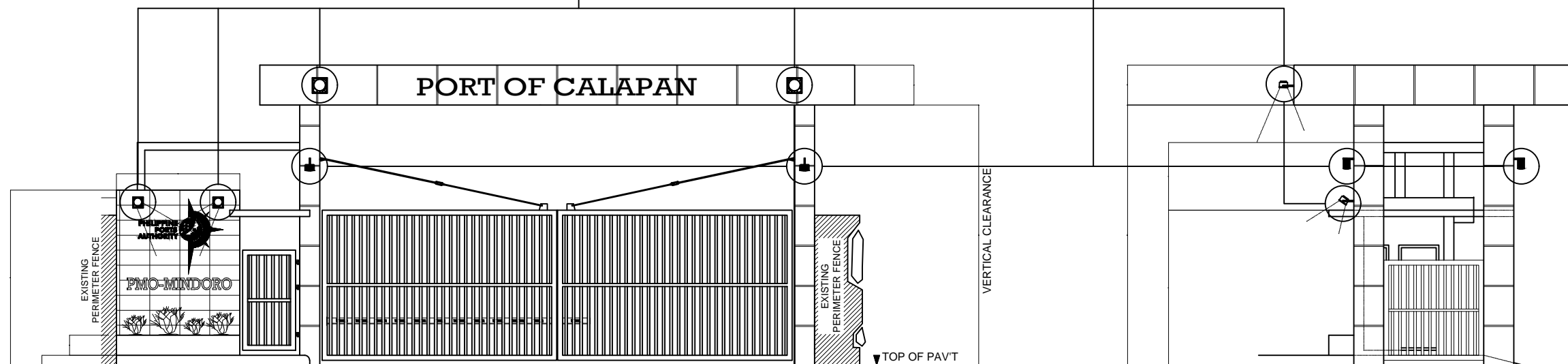
6 SET OF LED External Lighting at Diecasting  
Aluminium Casing Ø 150 x 133mm(18W)  
UWL-0902-18W-12V CR

LEGEND:



SPECIFICATIONS:	
DIMENSIONS	200mm Height
FITLAMP	LED
IP RATING	IP65
ITEM COLOR	Dark Gray
LAMP HOLDER	CREE LED 6pcs. 6x1w LED & driver included
TEMP. COLOR	Warmwhite (WW)

4 SET OF LED IP65 Post Lighting w/ casing, holder & driver  
UWL-0902-18W-12V CR



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

**SHEET CONTENTS:**

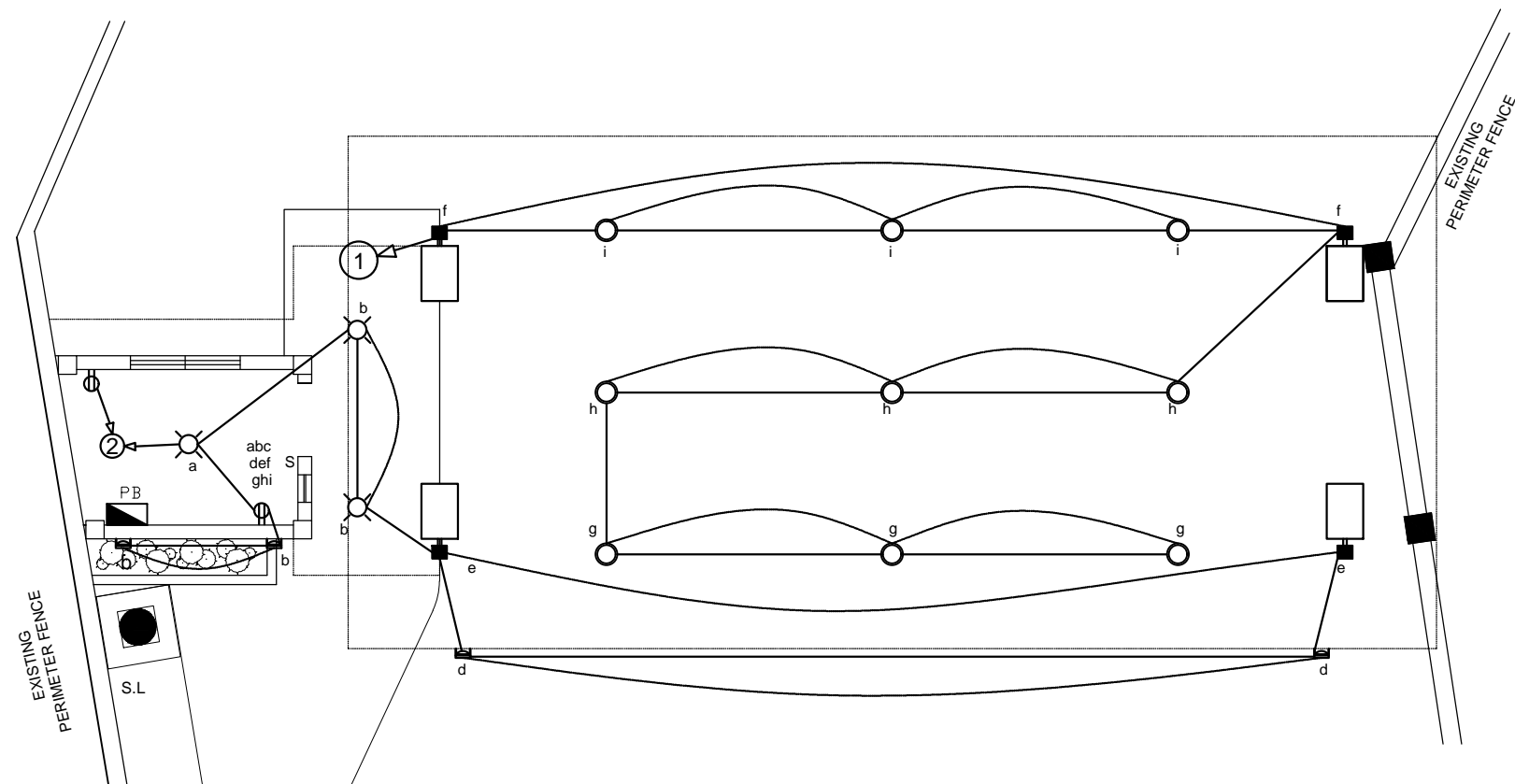
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**SCALE:**  
AS SHOWN

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**DATE :**  
04 OCT 2019

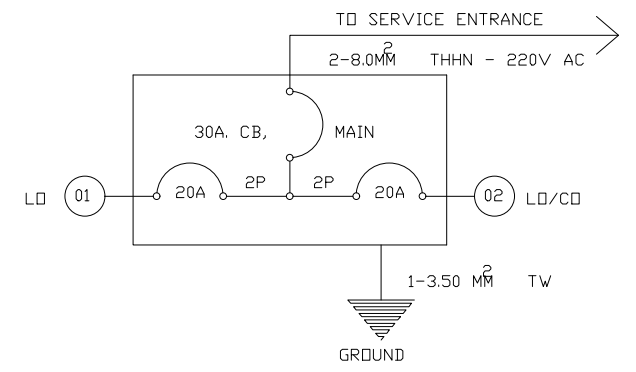




ELECTRICAL PLAN  
SCALE 1:75 M

LEGEND:

- 9 SET OF LED RECESSED TYPE DOWN LIGHT
- ⊗ 3 SET OF LED LIGHT BULB (10W)
- 4 SET LED IP65 Post Lighting w/ casing, holster & driver
- S<sub>abc</sub> 3 SET OF THREE-GANG SWITCH
- ⌞ 4 SET OF LED External Lighting at Diecasting Aluminum Casing Ø 150 x 133mm(18W)
- ⌚ 2 SET OF DUPLEX CONVENIENCE OUTLET
- PB 1 SET OF PANEL BOARD



PANEL BOARD DIAGRAM  
SCALE NTS.

CKT. NO.	NUMBER OF OUTLET/S		RATING VOLTS	RATING WATTS	AMPERES	POLE	WIRE SIZE MM <sup>2</sup> (THHN)	CONDUIT SIZE MM <sup>2</sup> D (PVC)	PROTECTION AT
	LO	CO							
01	11		220	1100	5.00	2	3.50	20	20
02	9	2	220	1300	5.90	2	3.50	20	20
TOTAL	20	2		2,400	10.90 A				
PROTECTION : 20A - CB, 2P, 60HTZ, 220V; SINGLE PHASE									
USE : 2-8.0MM THHN; 1-3.50MM TW, GROUND, Ø 25MM RSC									

LOAD SCHEDULE  
SCALE NTS.

**NOTE:**  
CONDUIT SIZE:  
NOMINAL SIZE: (OUTSIDE DIAMETER)  
USE: 20mm (½")  
25mm (¾") > PVC



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

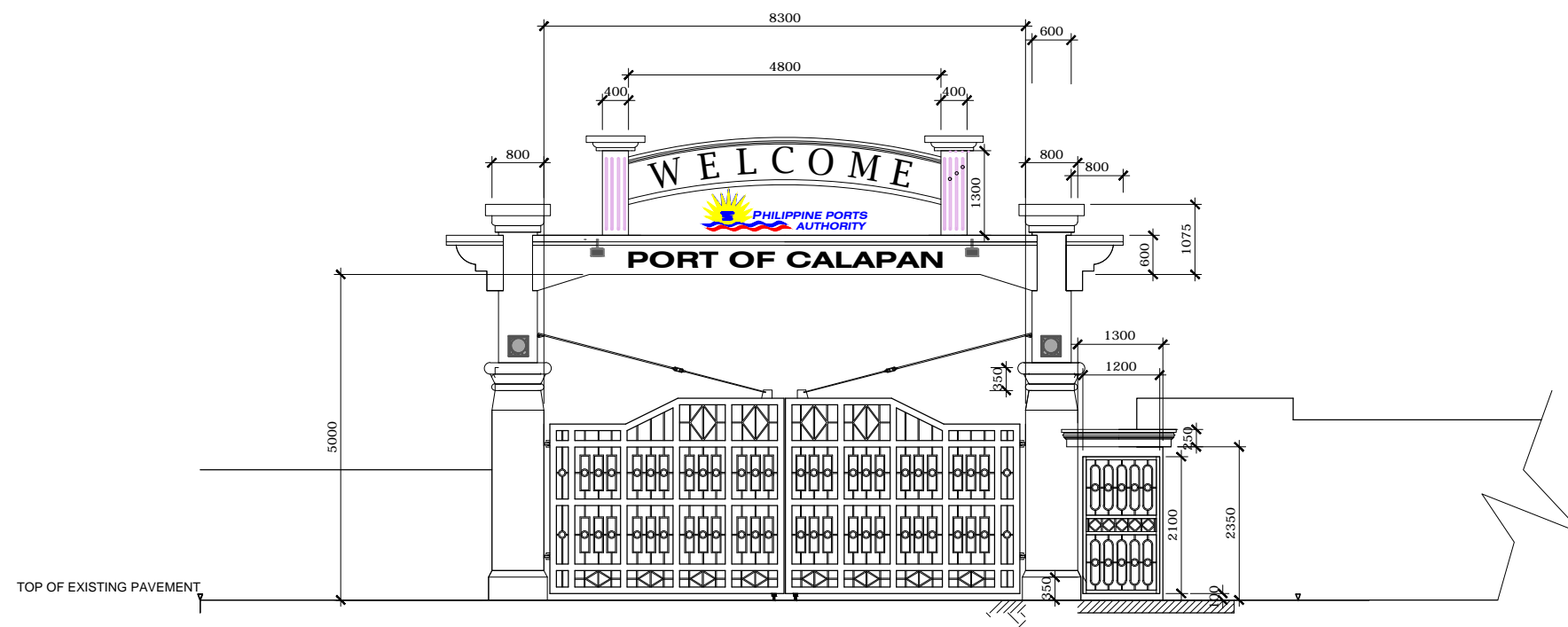
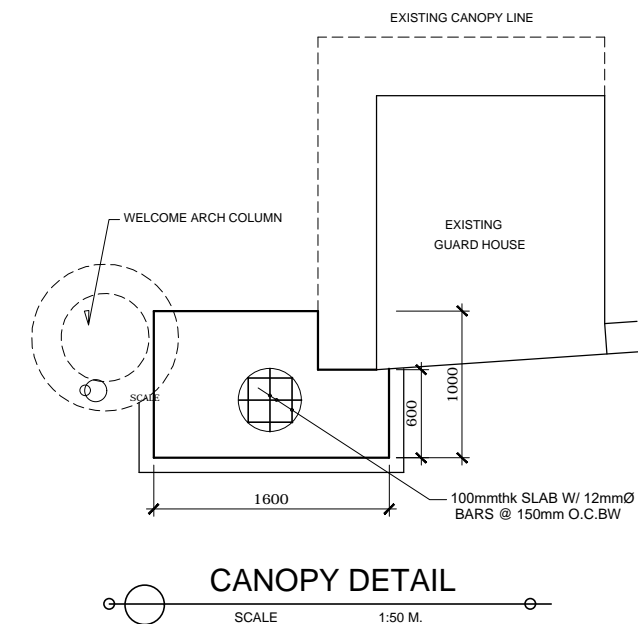
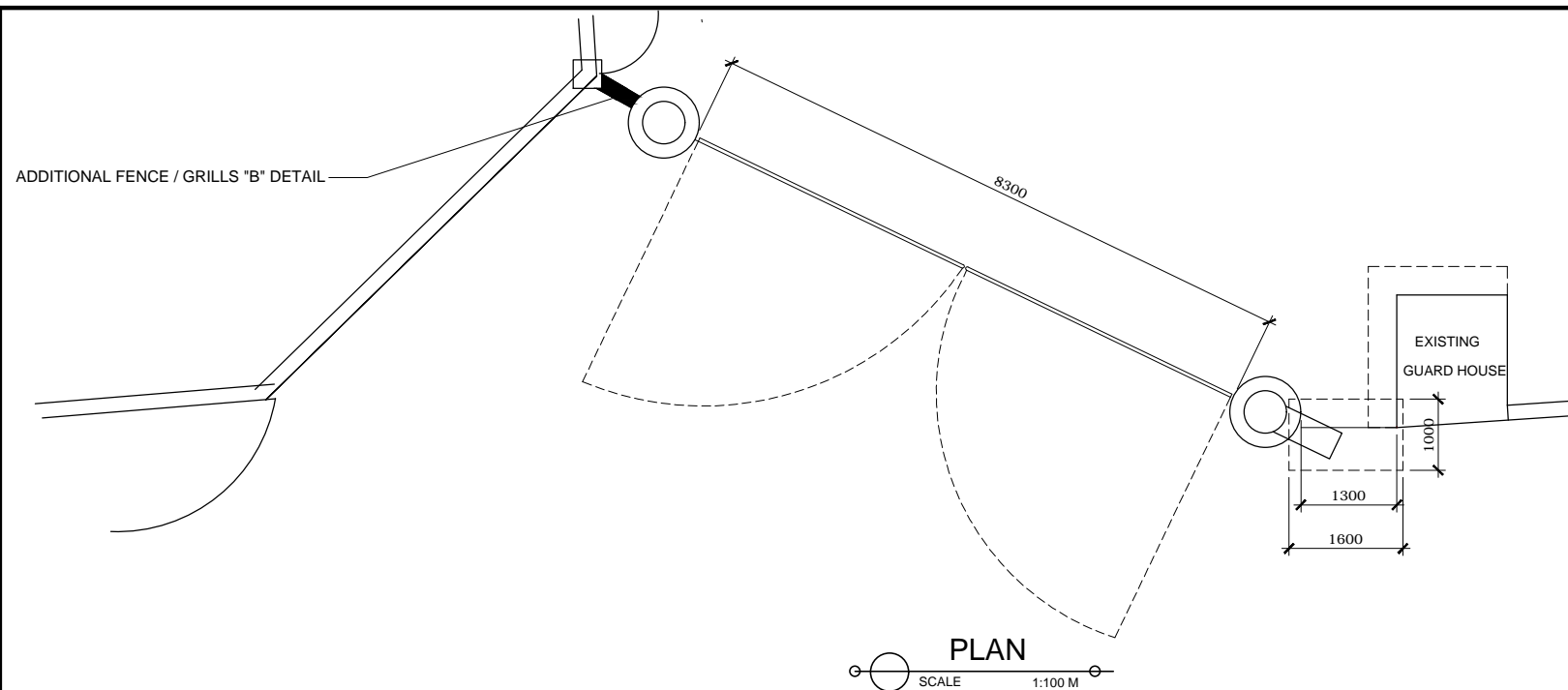
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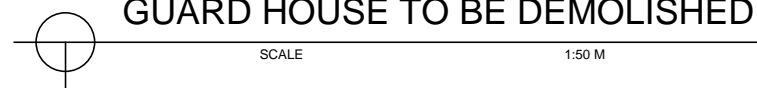
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AS SHOWN

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DATE :  
04 OCT 2019



DETAIL OF GATE - 3, WELCOME ARCH & GUARD HOUSE TO BE DEMOLISHED



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

SHEET CONTENTS:

AS SHOWN


SCALE:  
AS SHOWN

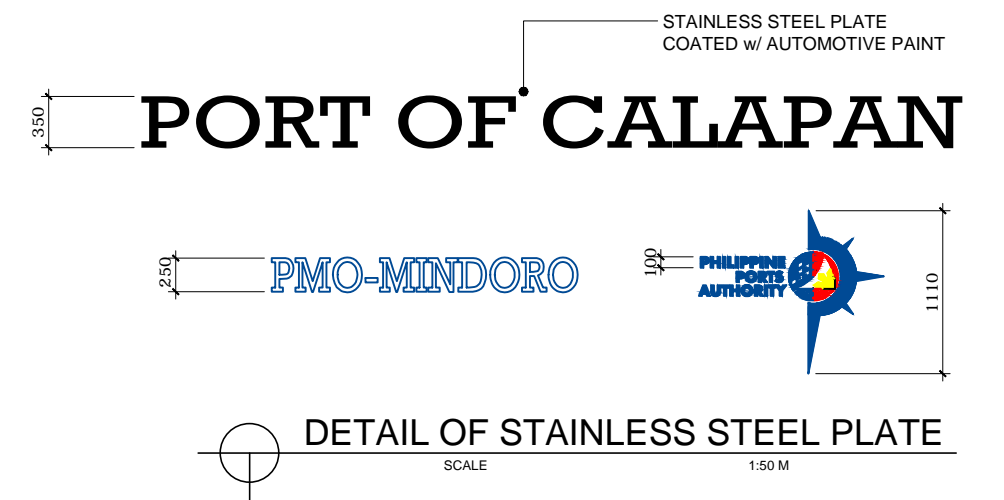
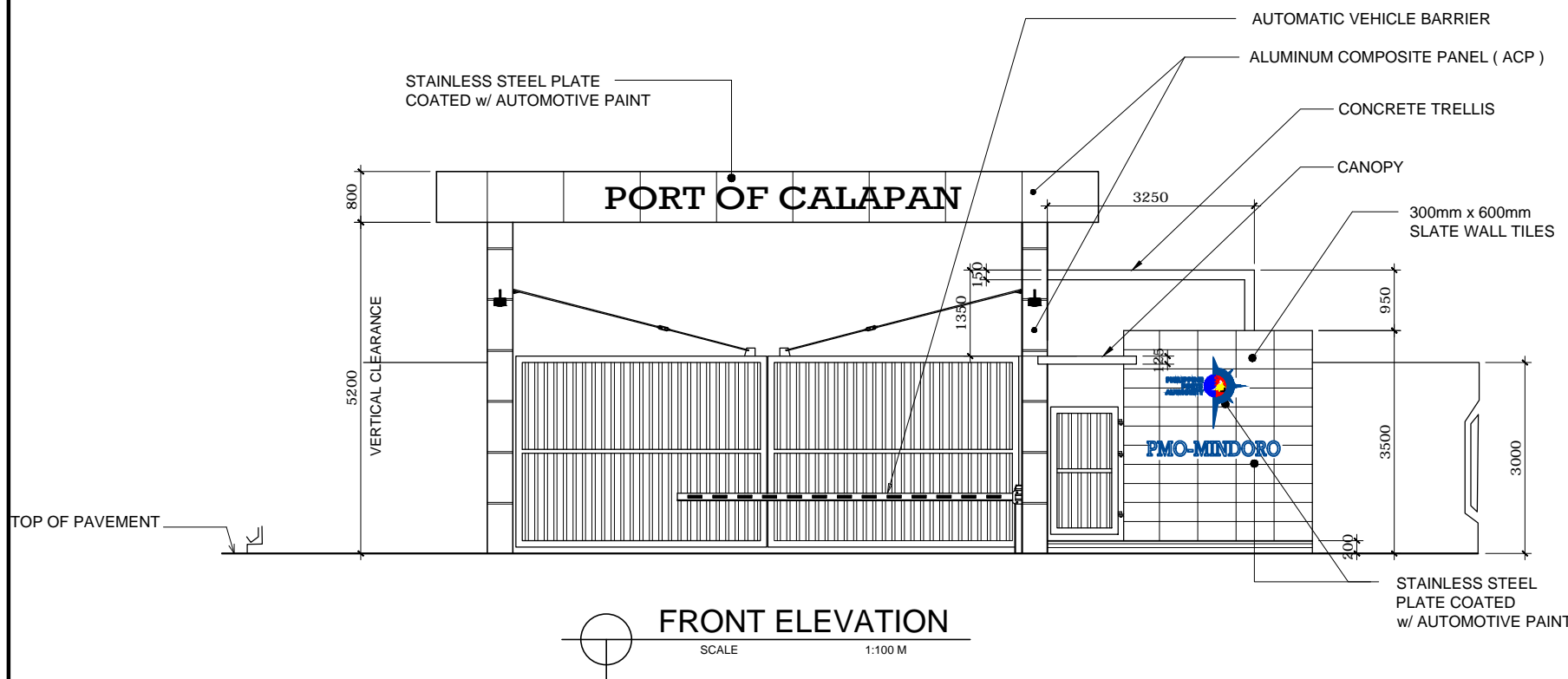
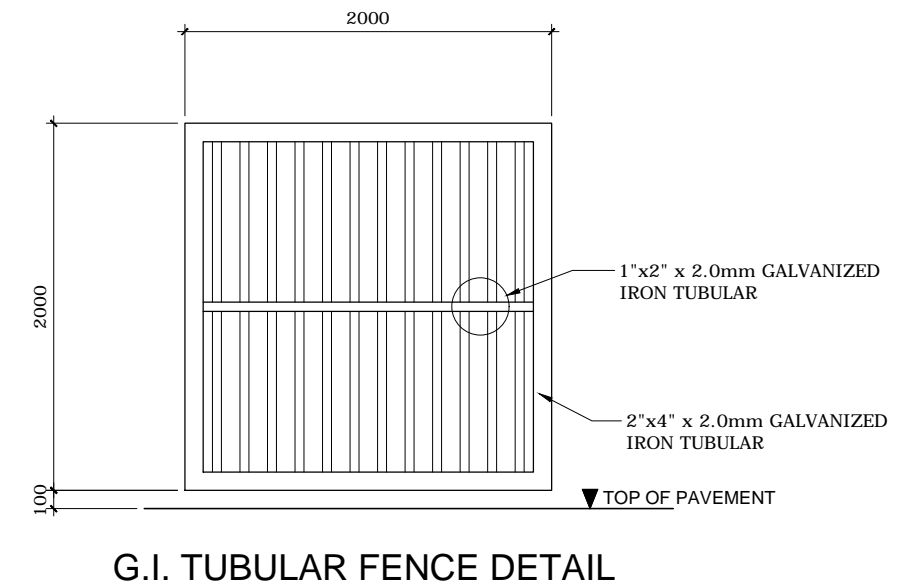
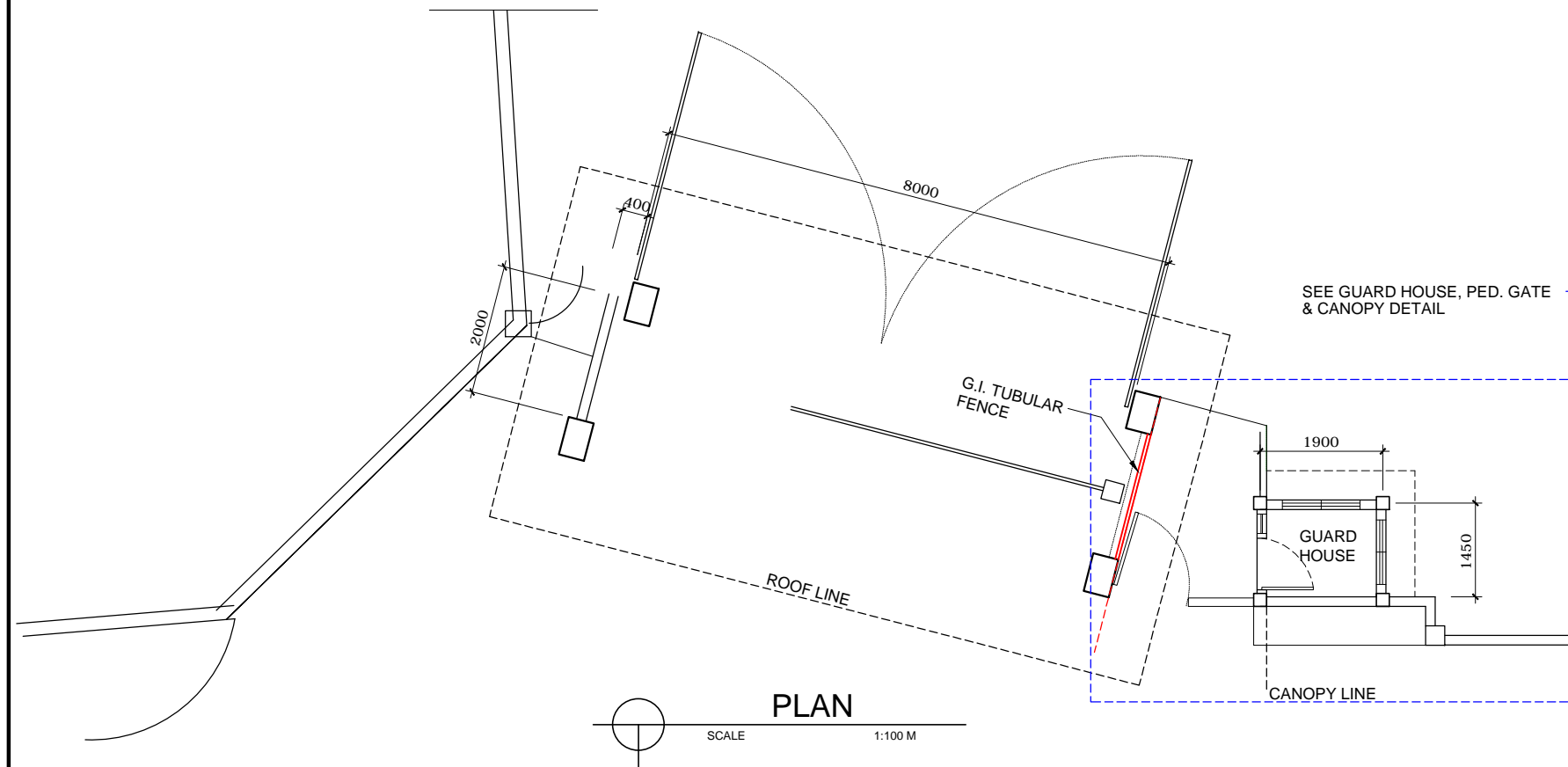
SHEET NO.  
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DATE :  
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PERSPECTIVE  
GATE - 3

	PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS:	SCALE: AS SHOWN
	PREPARED BY:	SUBMITTED BY:	CHECKED / REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED :	AS SHOWN	SHEET NO. 34 of 45
	<u>FERNANDO J. GALVEZO</u> Engineering Assistant A	<u>EMERSON D. QUIAMBAO</u> Office Engineer	<u>RONALD O. MATIBAG</u> Acting Principal Engineer A	<u>MARGARITO P. DIMAILIG</u> Acting Division Manager A, ESD	<u>ELVIS R. MEDALLA</u> Port Manager A		DATE : 04 OCT 2019



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

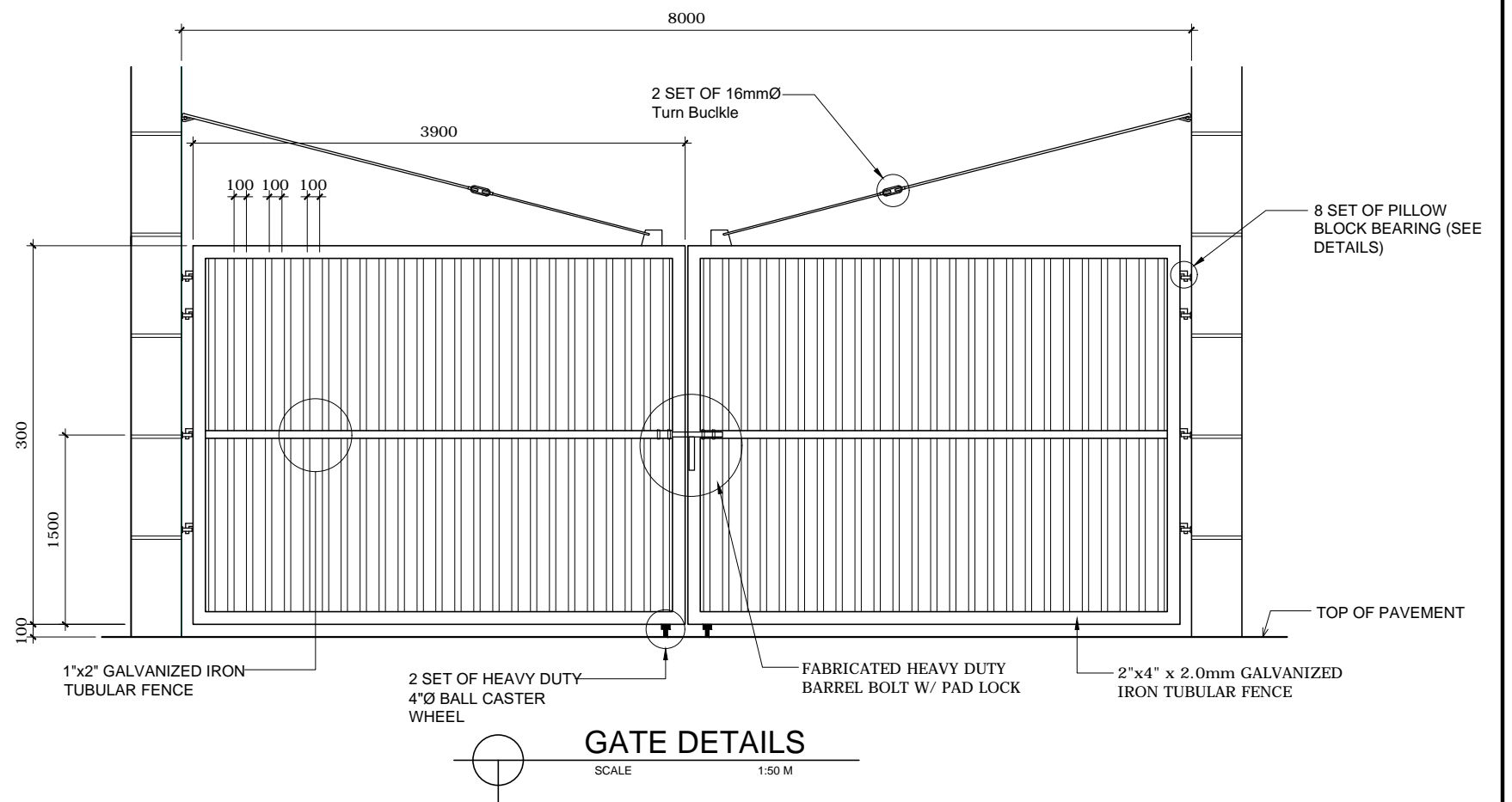
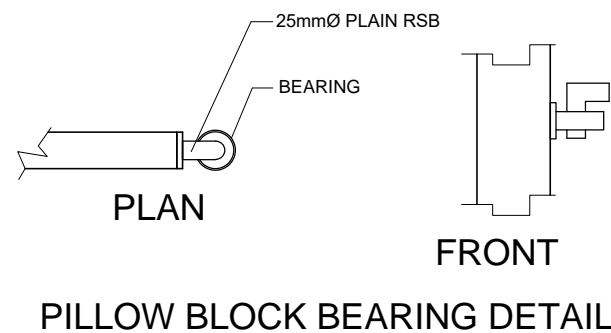
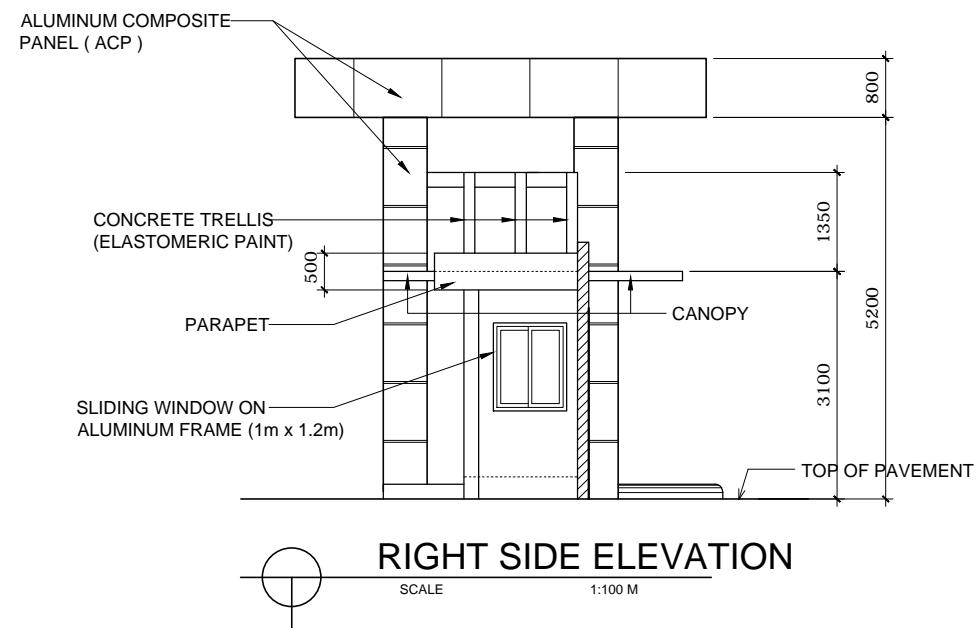
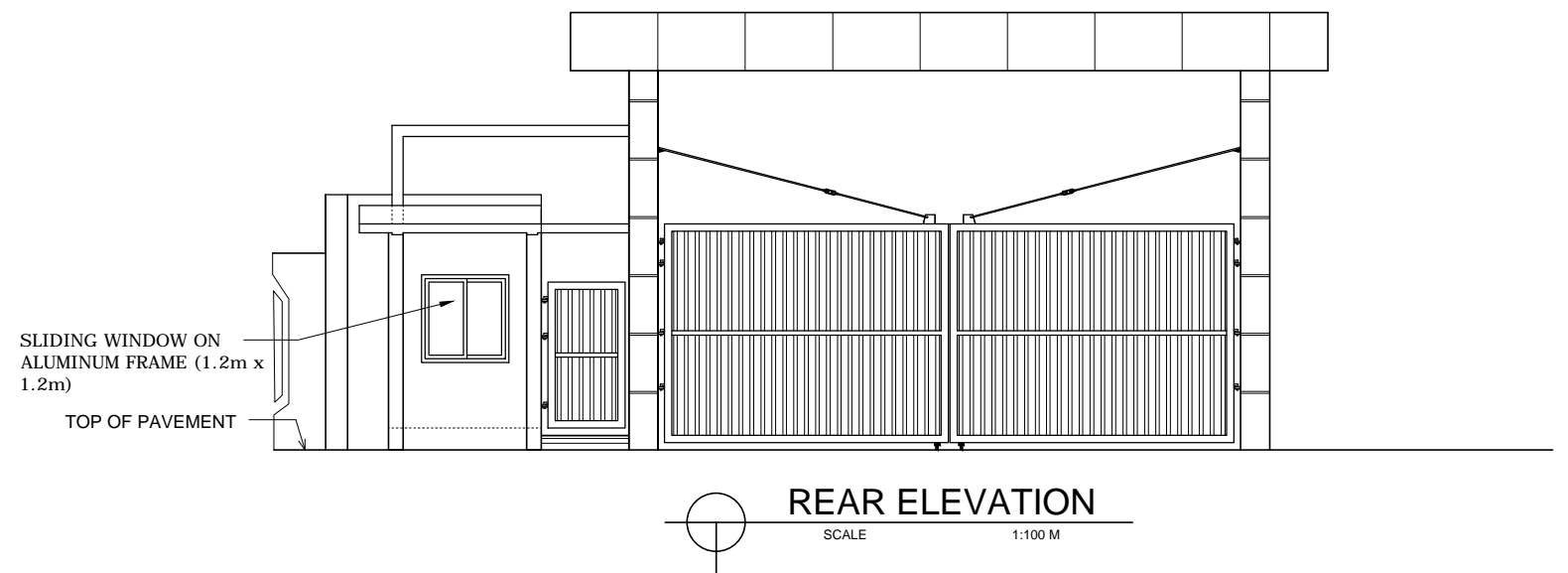
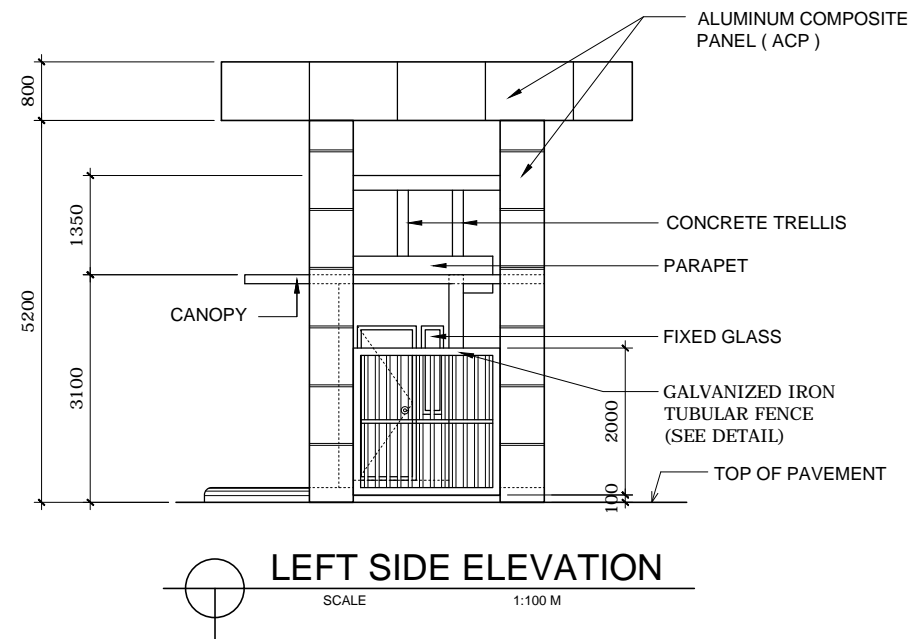
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SCALE:  
AS SHOWN

SHEET NO.  
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DATE :  
04 OCT 2019



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

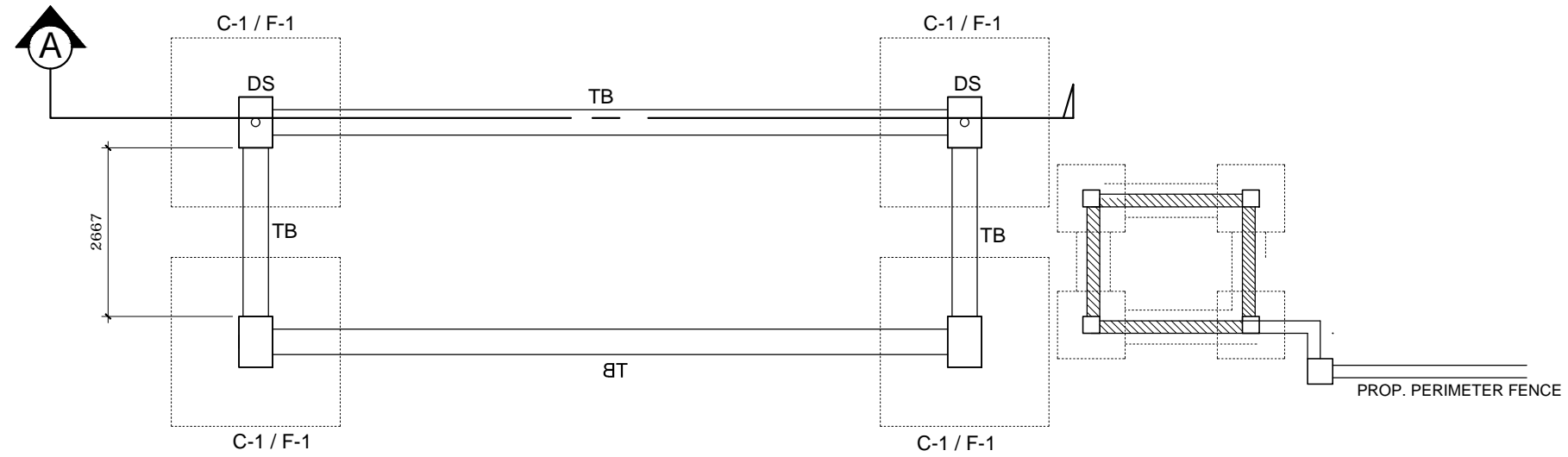
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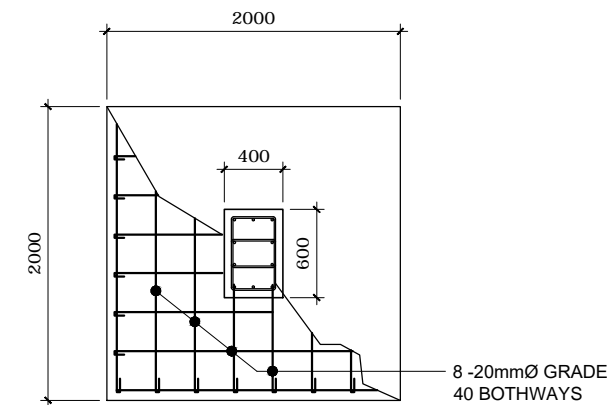
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DATE :  
04 OCT 2019



**FOUNDATION PLAN**  
 SCALE 1:75 M

SCHEDULE OF FOOTINGS					
FOOTING MARK	FOOTING DIMENSION ( m )				REINFORCEMENT
	LENGTH ( L )	WIDTH ( W )	Thickness ( T )	Depth ( D )	
F-1	2000	2000	300	2000	8 -20mmØ GRADE 40 BOTHWAYS



**C-1 / F-1**



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

**SHEET CONTENTS:**

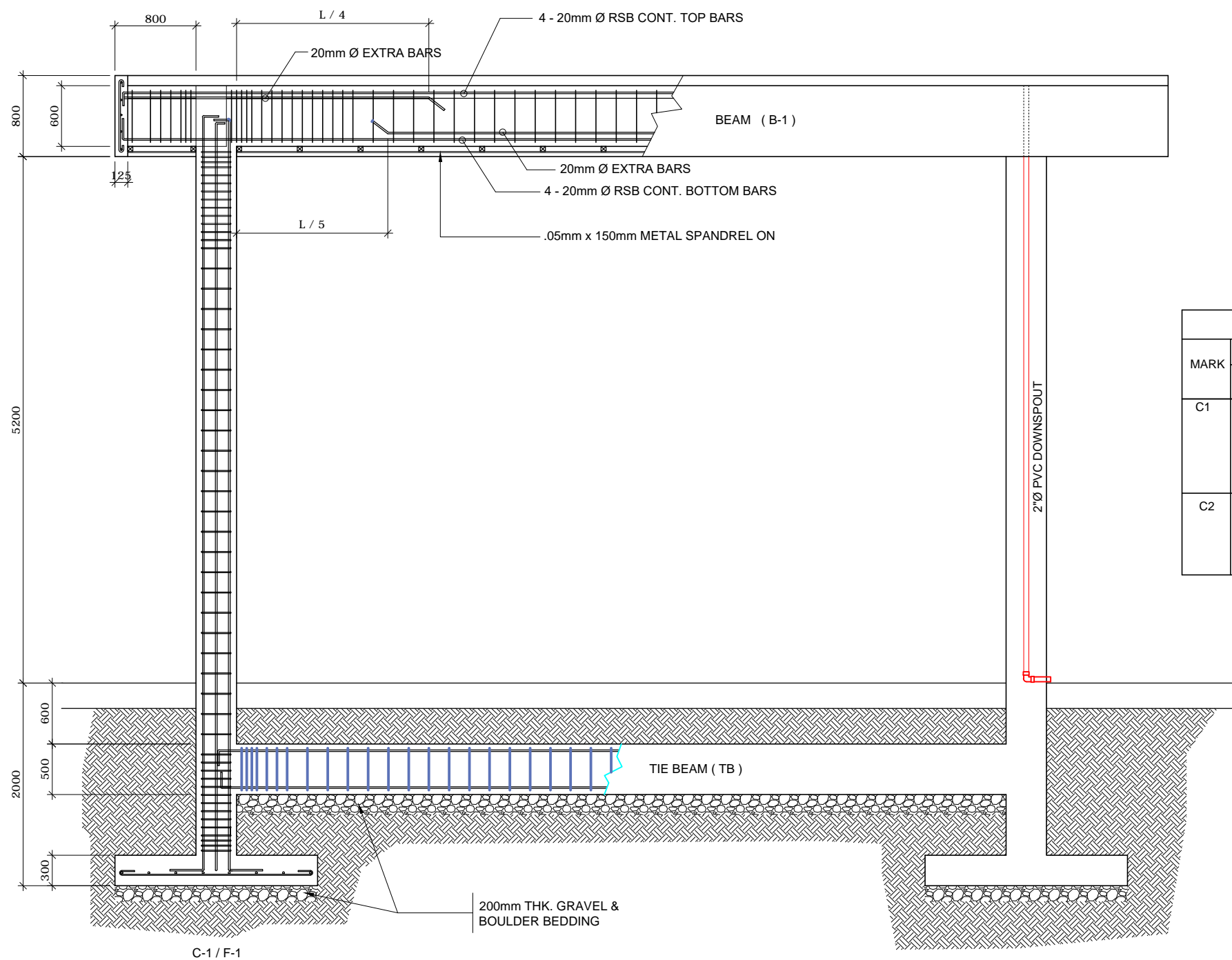
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

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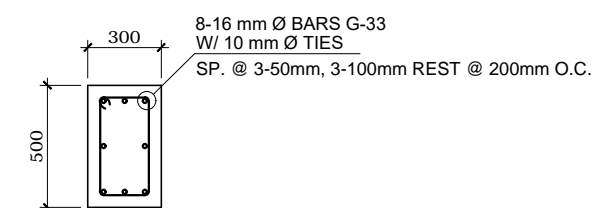
**DATE :**  
04 OCT 2019





SCHEDULE OF BEAMS									
MARK	BEAM DIMENSIONS		STEEL REINFORCEMENT				STIRRUPS TIES	SECTION	
			AT SUPPORT		AT MIDSPAN			AT SUPPORT	AT MIDSPAN
	WIDTH	DEPTH	TOP	BOT.	TOP	BOT.			
B1	300mm	600mm	8-20 mmØ BARS	4-20 mmØ BARS	4-20 mmØ BARS	8-20 mmØ BARS	10mmØ STIRRUPS SP. @ 5-50mm, 4-75mm 6-100mm, REST 200mm O.C.		

SCHEDULE OF COLUMNS							
MARK	COLUMN DIMENSIONS			VERTICAL BARS	LATERAL TIES	SECTION	
	WIDTH	LENGTH	HEIGHT				
			from top of footing to FFL / pavement				
			from FFL / Pavement to bottom of beam				
C1	400mm	600mm	1700mm	5300mm	10-20mmØ	10mmØ LATERAL TIES SP. @ SEE COLUMN SECTION 4-50mm, 10-100mm REST @ 200mm	
C2	250mm	250mm	750mm	2850mm	6-12mmØ	10mmØ LATERAL TIES AP. @ SEE COLUMN SECTION 4-50mm, 3-100mm, REST @ 200mm	



**TIE BEAM SECTION**  
SCALE 1:30 M

**SECTION THRU "A"**  
SCALE 1:50 M



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

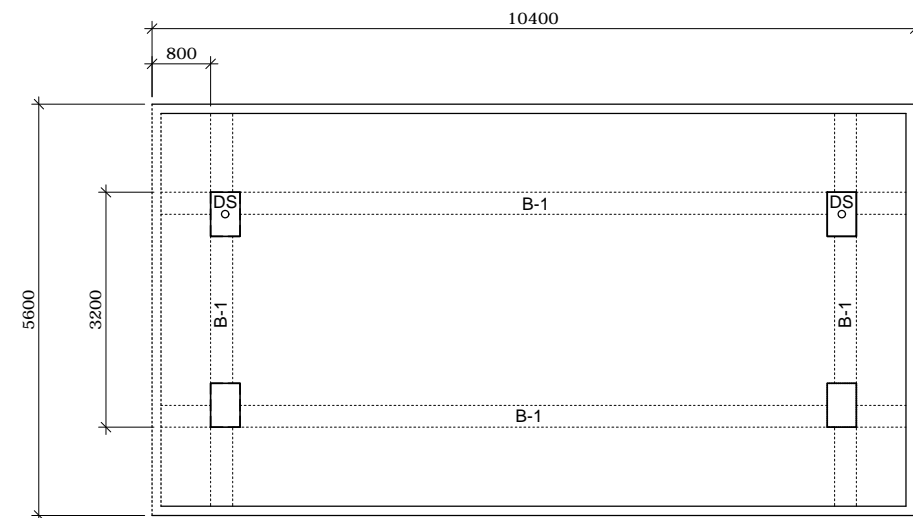
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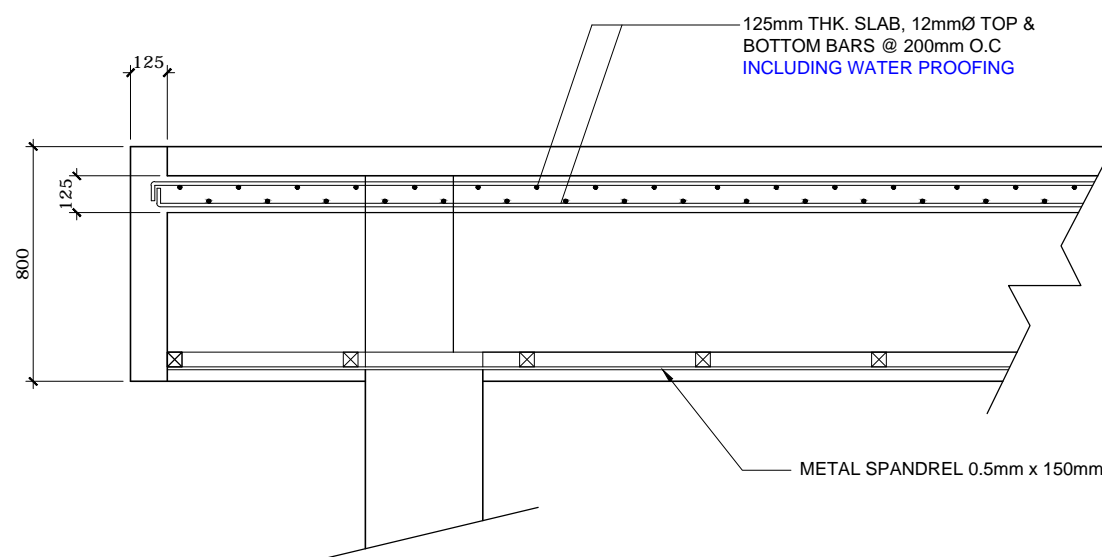
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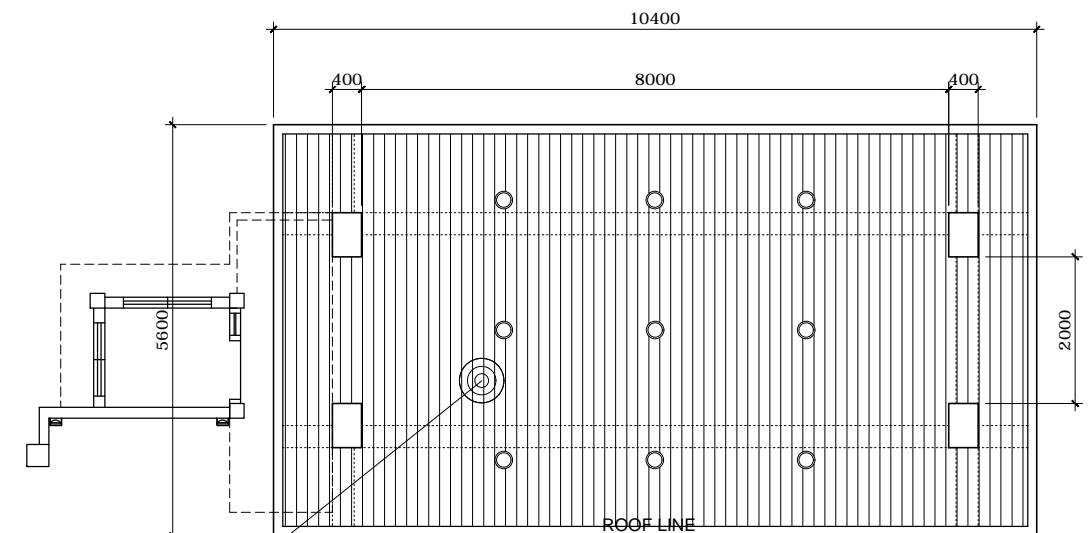
DATE :  
04 OCT 2019




**ROOF DECK FRAMING PLAN**  
 SCALE 1:100 M




**SLAB SECTION DETAIL**  
 SCALE 1:25 M




**REFLECTED CEILING PLAN**  
 SCALE 1:60 M



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
 PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
 Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
 Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
 Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
 Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
 Port Manager A

**SHEET CONTENTS:**

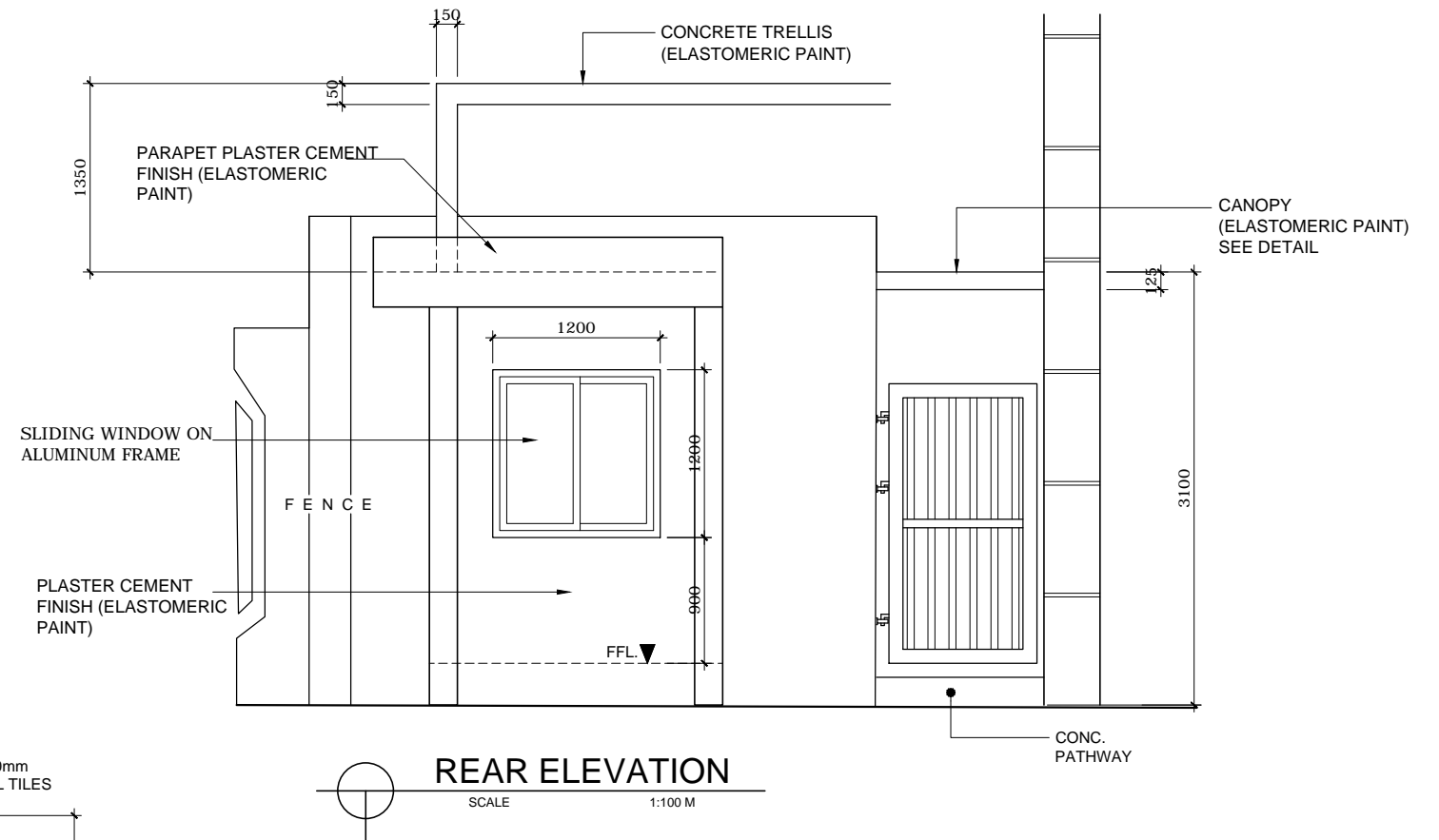
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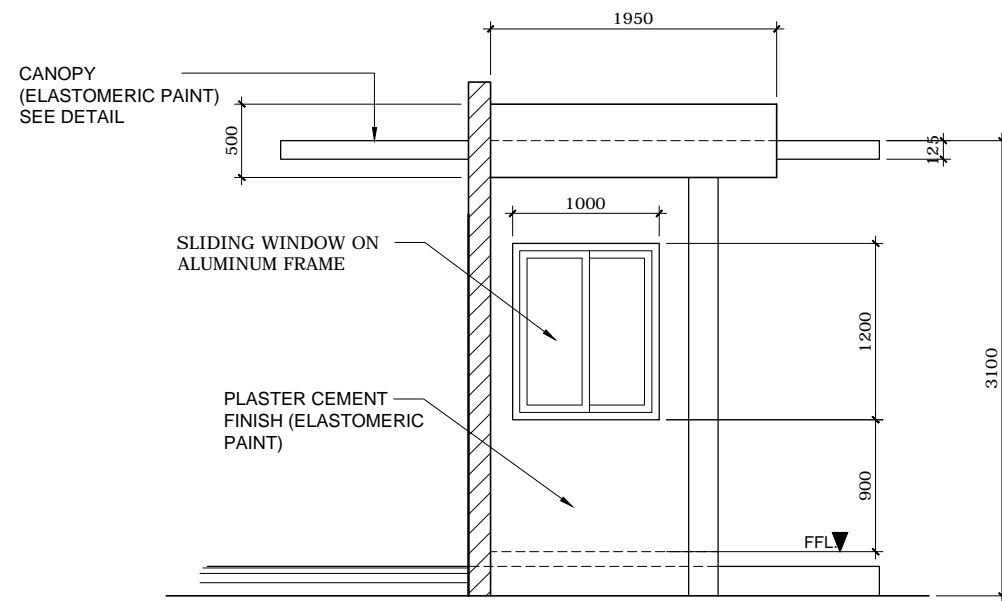
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**DATE :**  
 04 OCT 2019

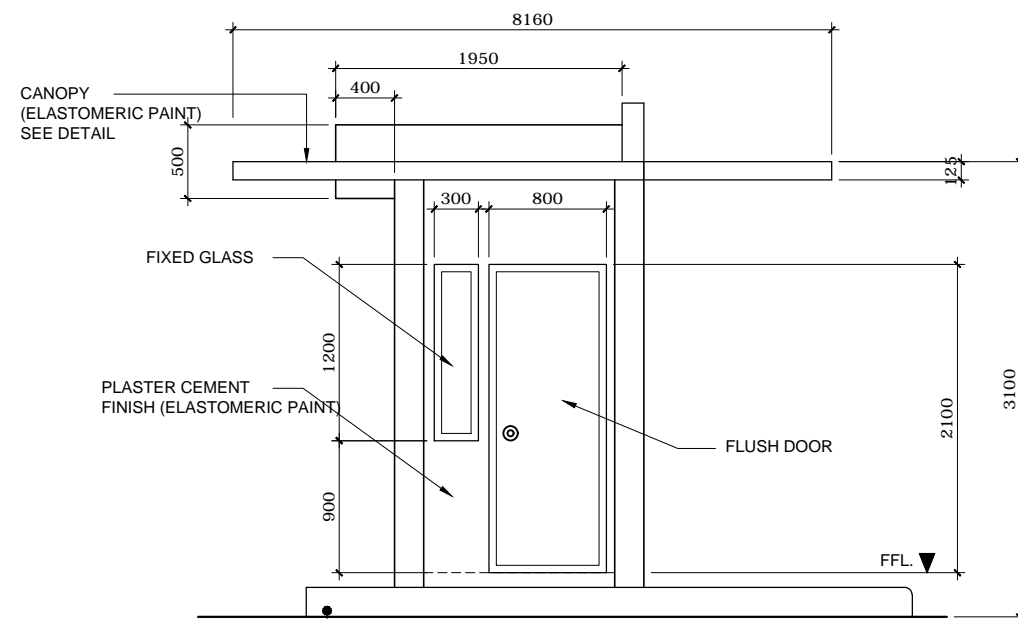




	<b>PROJECT TITLE:</b> REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					<b>SHEET CONTENTS:</b>	<b>SCALE:</b> AS SHOWN
	<b>PREPARED BY:</b>  <u>FERNANDO J. GALVEZO</u> Engineering Assistant A	<b>SUBMITTED BY:</b>  <u>EMERSON D. QUIAMBAO</u> Office Engineer	<b>CHECKED / REVIEWED BY:</b>  <u>RONALD O. MATIBAG</u> Acting Principal Engineer A	<b>RECOMMENDING APPROVAL:</b>  <u>MARGARITO P. DIMAILIG</u> Acting Division Manager A, ESD	<b>APPROVED :</b>  <u>ELVIS R. MEDALLA</u> Port Manager A	<b>AS SHOWN</b>	<b>SHEET NO.</b> 40 of 45
							<b>DATE :</b> 04 OCT 2019



**LEFT SIDE ELEVATION**  
SCALE 1:50 M



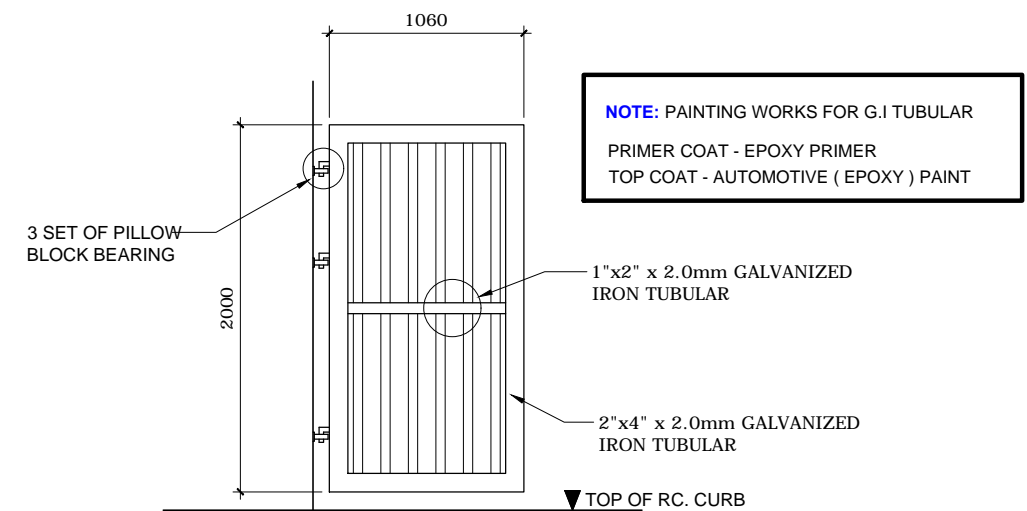
**RIGHT ELEVATION**  
SCALE 1:50 M



**PMO-MINDORO**

MATERIALS : STAINLESS STEEL PLATE  
COATED w/ AUTOMOTIVE PAINT

**DETAIL OF LOGO**



**PEDESTRIAN GATE DETAIL**



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

**FERNANDO J. GALVEZO**  
Engineering Assistant A

**SUBMITTED BY:**

**EMERSON D. QUIAMBAO**  
Office Engineer

**CHECKED / REVIEWED BY:**

**RONALD O. MATIBAG**  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

**MARGARITO P. DIMAILIG**  
Acting Division Manager A, ESD

**APPROVED :**

**ELVIS R. MEDALLA**  
Port Manager A

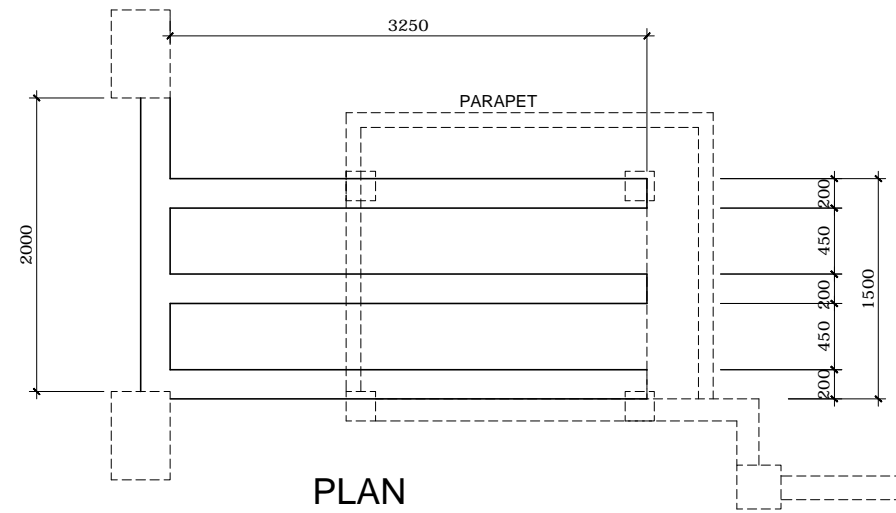
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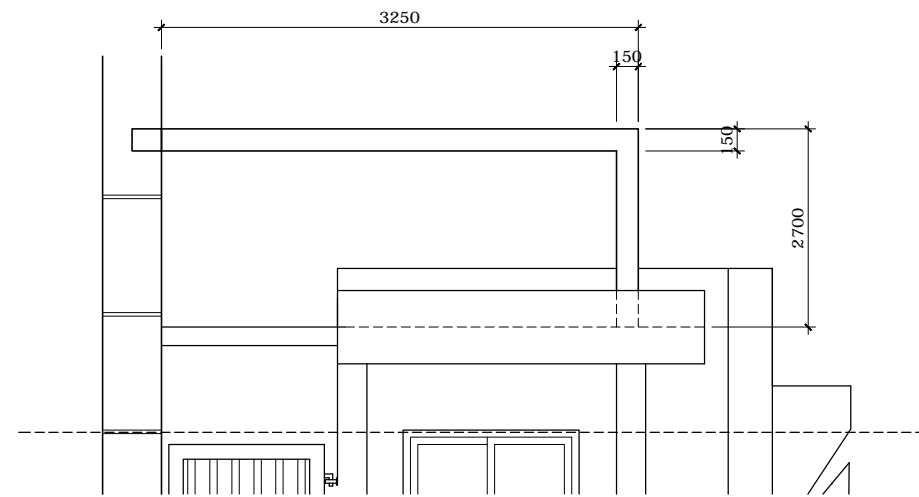
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**SHEET NO.**  
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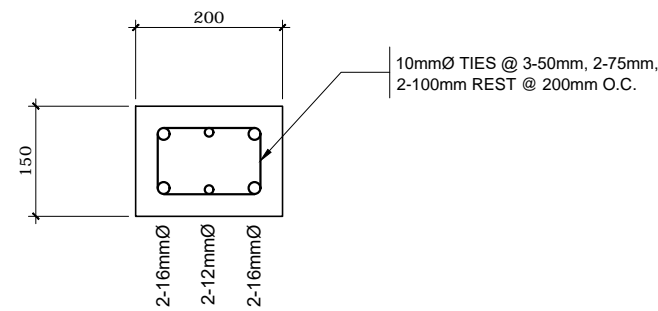
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04 OCT 2019



PLAN



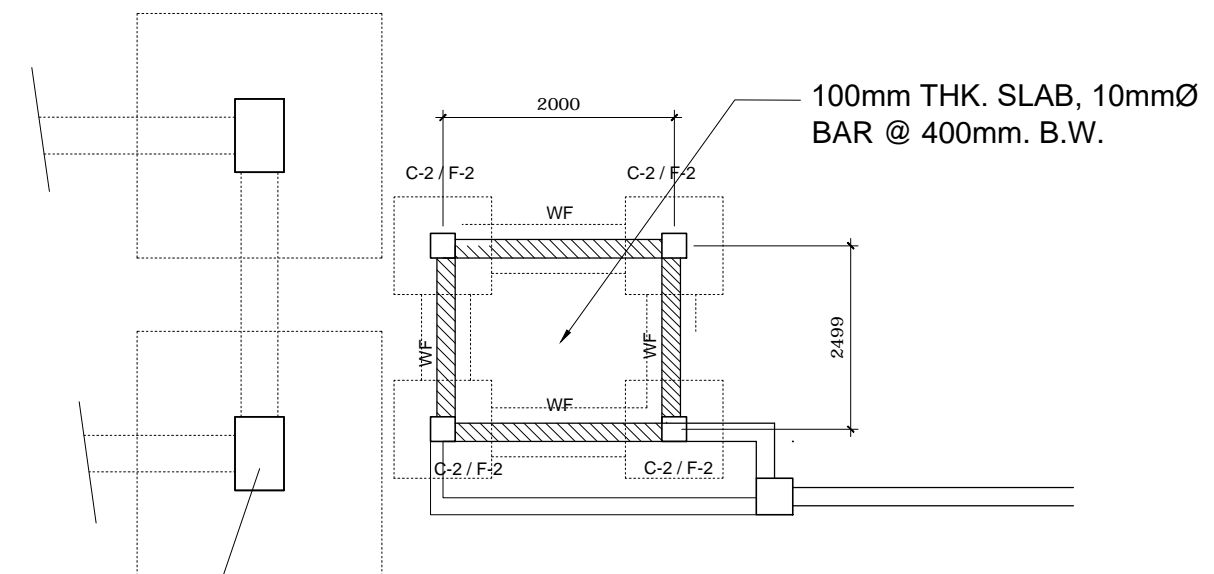
ELEV.



CB PLAN



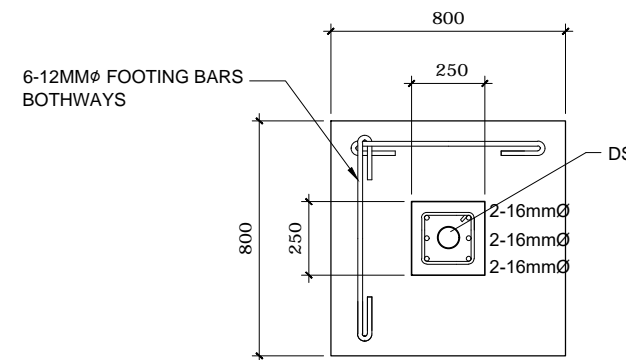
CONCRETE TRELLIS DETAIL



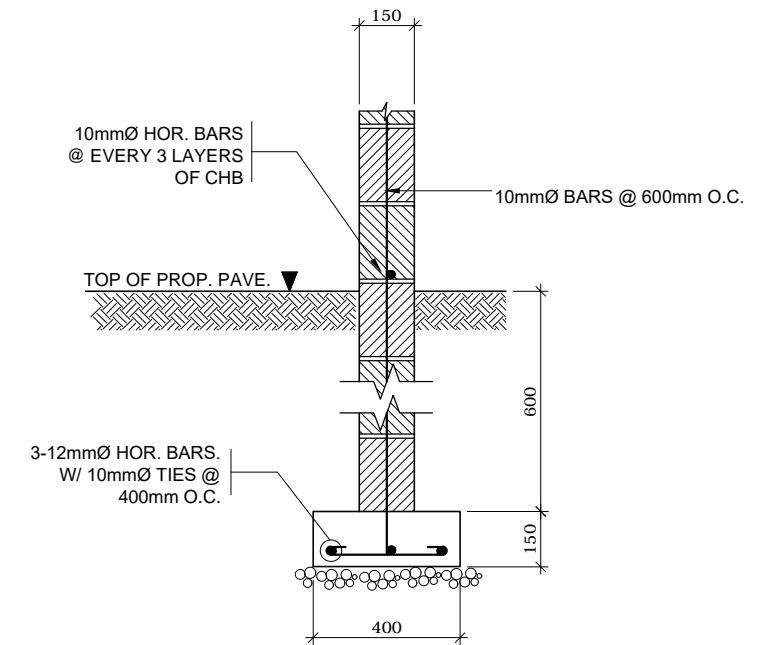
MAIN GATE COLUMN

FOUNDATION PLAN

SCALE 1:60 M



C-2 / F-2



DETAIL OF WALL FOOTING

SCALE 1:20 M

SCHEDULE OF FOOTINGS					
FOOTING MARK	FOOTING DIMENSION ( m )				REINFORCEMENT
	LENGTH ( L )	WIDTH ( W )	Thickness ( T )	Depth ( D )	
F-2	800	800	250	1000	6 -12mmØ GRADE 40BOTHWAYS



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
Port Manager A

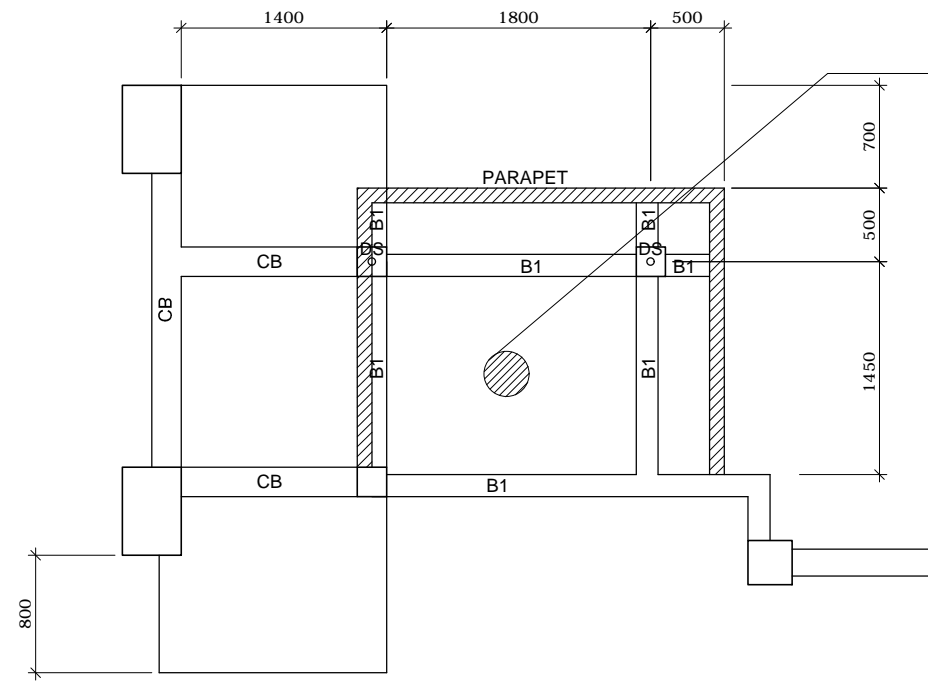
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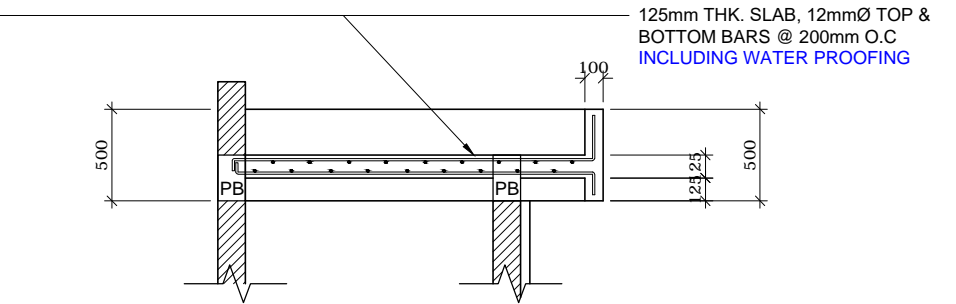
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DATE :  
04 OCT 2019

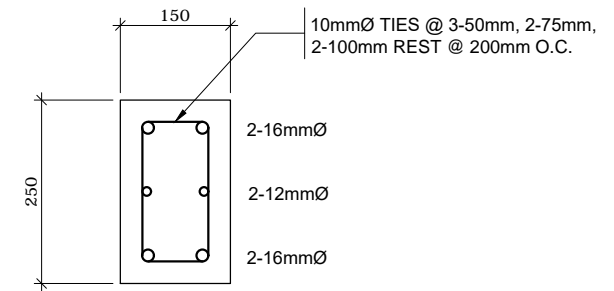


**GUARD HOUSE ROOF BEAM PLAN**  
SCALE 1:50 M

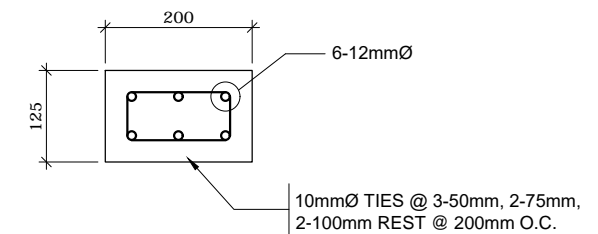


**GUARD HOUSE SLAB SECTION DETAIL**

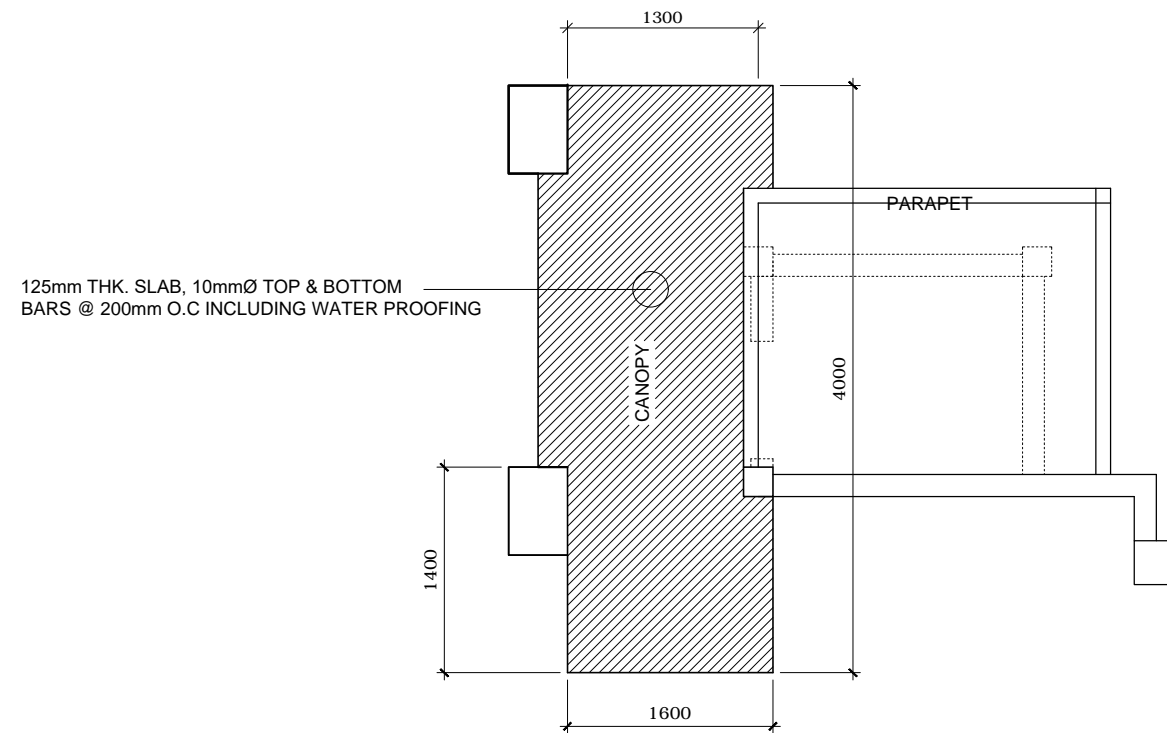
SCALE 1:25 M



**B1 PLAN**



**CB PLAN**



**PLAN OF PED. GATE CANOPY**



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

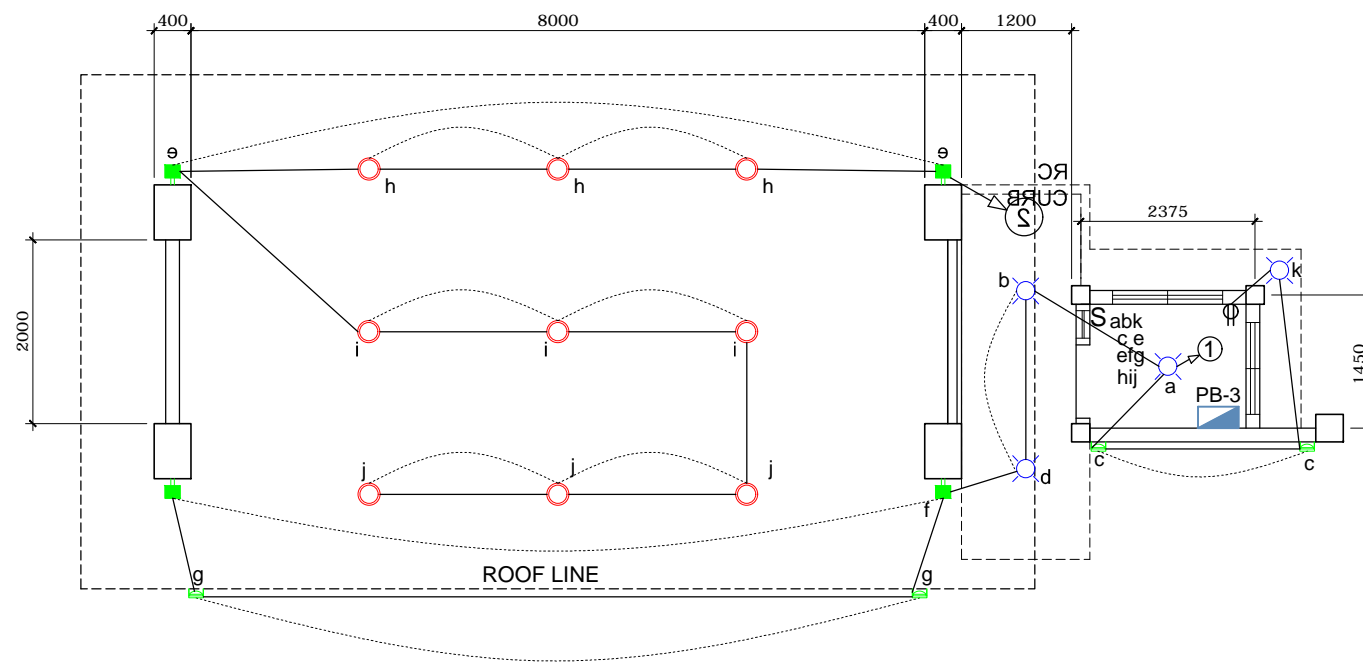
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**SCALE:**  
AS SHOWN









**SHEET NO.**  
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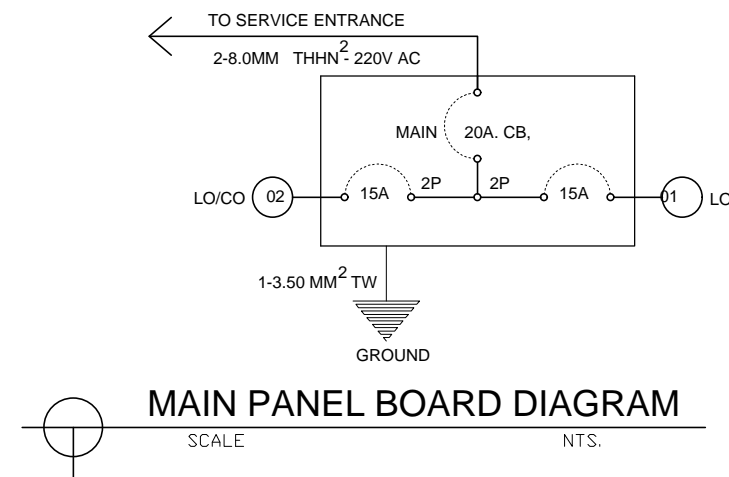
**DATE :**  
04 OCT 2019



 **ELECTRICAL PLAN**

**LEGEND:**

-  9 SET OF LED RECESSED TYPE DOWN LIGHT
-  4 SET OF LED LIGHT BULB (10W)
-  4 SET LED IP65 Post Lighting w/ casing, holher & driver
-  1 SET OF TWO-GANG SWITCH
-  3 SET OF THREE-GANG SWITCH
-  6 SET OF LED External Lighting at Diecasting Aluminum Casing Ø 150 x 133mm(18W)
-  1 SET OF DUPLEX CONVENIENCE OUTLET
-  1 SET OF PANEL BOARD



LOAD SCHEDULE									
CKT. NO.	NUMBER OF OUTLET/S		RATING VOLTS	RATING WATTS	AMPERES	POLE	WIRE SIZE MM <sup>2</sup> (THHN)	CONDUIT SIZE MM <sup>2</sup> D (PVC)	PROTECTION AT
	LO	CO							
01	11		220	1100	5.00	2	2.00	15	15
02	11	1	220	1300	5.91	2	2.00	15	15
TOTAL	22	1		2,400	10.91 A				
PROTECTION : 20A - CB, 2P, 60HTZ,230V; SINGLE PHASE USE : 2-8.0MM <sup>2</sup> THHN; 1-3.50MM <sup>2</sup> TW, GROUND, Ø 25MM RSC									
$IT = < (2,400/220V) + (0.25 \times 23.86) > (80 \% D.F.)$ $= (10.91 + 5.965)(80\% DF)$ $= 13.50 A$ SAY 20 AMPERES FOR MAIN									



**PROJECT TITLE:** REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
PORT OF CALAPAN, ORIENTAL MINDORO

**PREPARED BY:**

FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**

EMERSON D. QUIAMBAO  
Office Engineer

**CHECKED / REVIEWED BY:**

RONALD O. MATIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**

MARGARITO P. DIMAILIG  
Acting Division Manager A, ESD

**APPROVED :**

ELVIS R. MEDALLA  
Port Manager A

**SHEET CONTENTS:**

AS SHOWN

**SCALE:**  
AS SHOWN

**SHEET NO.**  
44 of 45

**DATE :**  
04 OCT 2019

### LEGEND:

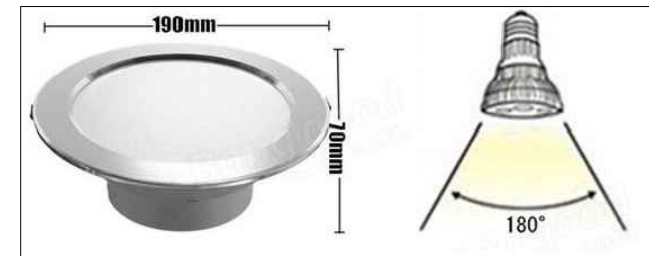


SPECIFICATIONS:	
DIMENSIONS	200mm Height
FITLAMPS	LED
IP RATING	IP65
ITEM COLOR	Dark Gray
LAMP HOLDER	CREE LED 6pcs. 6x1w LED & driver included
TEMP. COLOR	Warmwhite (WW)



SPECIFICATIONS:	
LED TYPE	CREE
CRI	>80
WATTAGE	18w
VOLTAGE	12V
IP RATING	IP68
FINISH	Aluminium Diecast
BEAM ANGLE	45 degrees
ADD. DETAIL	6mm Tempered Glass

### LEGEND:



### Specification:

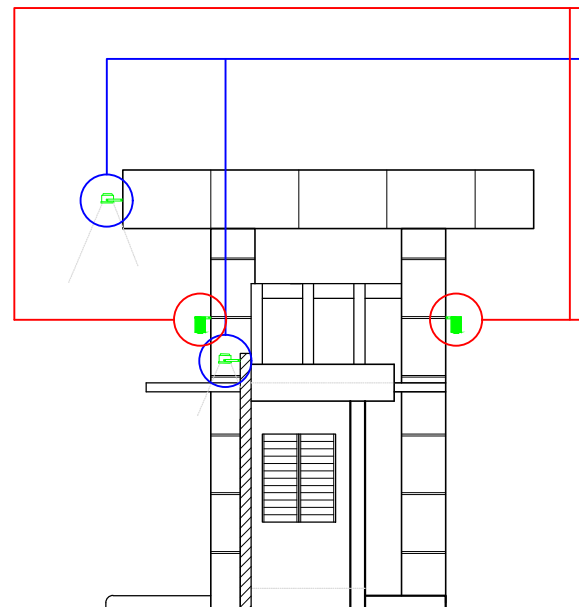
Power: 15W  
 Lumens : 1500lm  
 Voltage : 85-265V AC  
 Cover material: Aluminum  
 Beam angle : 180 degree  
 Color temperature :  
 Warm White ( 3200-3500K)  
 Pure white ( 6000-6500K)  
 Dimmable : No  
 Certification : CE and RoHS  
 Lifetime : > 50,000 hours

### Features:

- High Brightness and Low Heat
- No UV radiation
- Light up your whole room
- Save up more than 90% power consumption
- Safe and long lifespan
- Instant start, no flashing and shockproof
- No RF interference

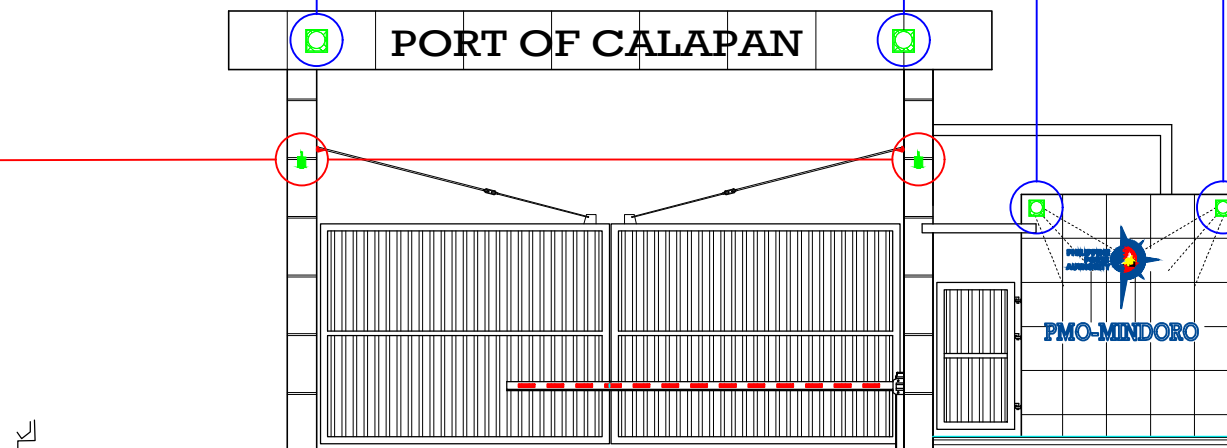
4 SET OF LED IP65 Post Lighting w/ casing, holder & driver  
 UWL-0902-18W-12V CR

6 SET OF LED External Lighting at Diecasting  
 Aluminium Casing Ø 150 x 133mm(18W)  
 UWL-0902-18W-12V CR



LEFT ELEVATION

SCALE 1:100 M



FRONT ELEVATION

SCALE 1:100 M



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE  
 PORT OF CALAPAN, ORIENTAL MINDORO

PREPARED BY:

FERNANDO J. GALVEZO  
 Engineering Assistant A

SUBMITTED BY:

EMERSON D. QUIAMBAO  
 Office Engineer

CHECKED / REVIEWED BY:

RONALD O. MATIBAG  
 Acting Principal Engineer A

RECOMMENDING APPROVAL:

MARGARITO P. DIMAILIG  
 Acting Division Manager A, ESD

APPROVED :

ELVIS R. MEDALLA  
 Port Manager A

SHEET CONTENTS:

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SCALE:  
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