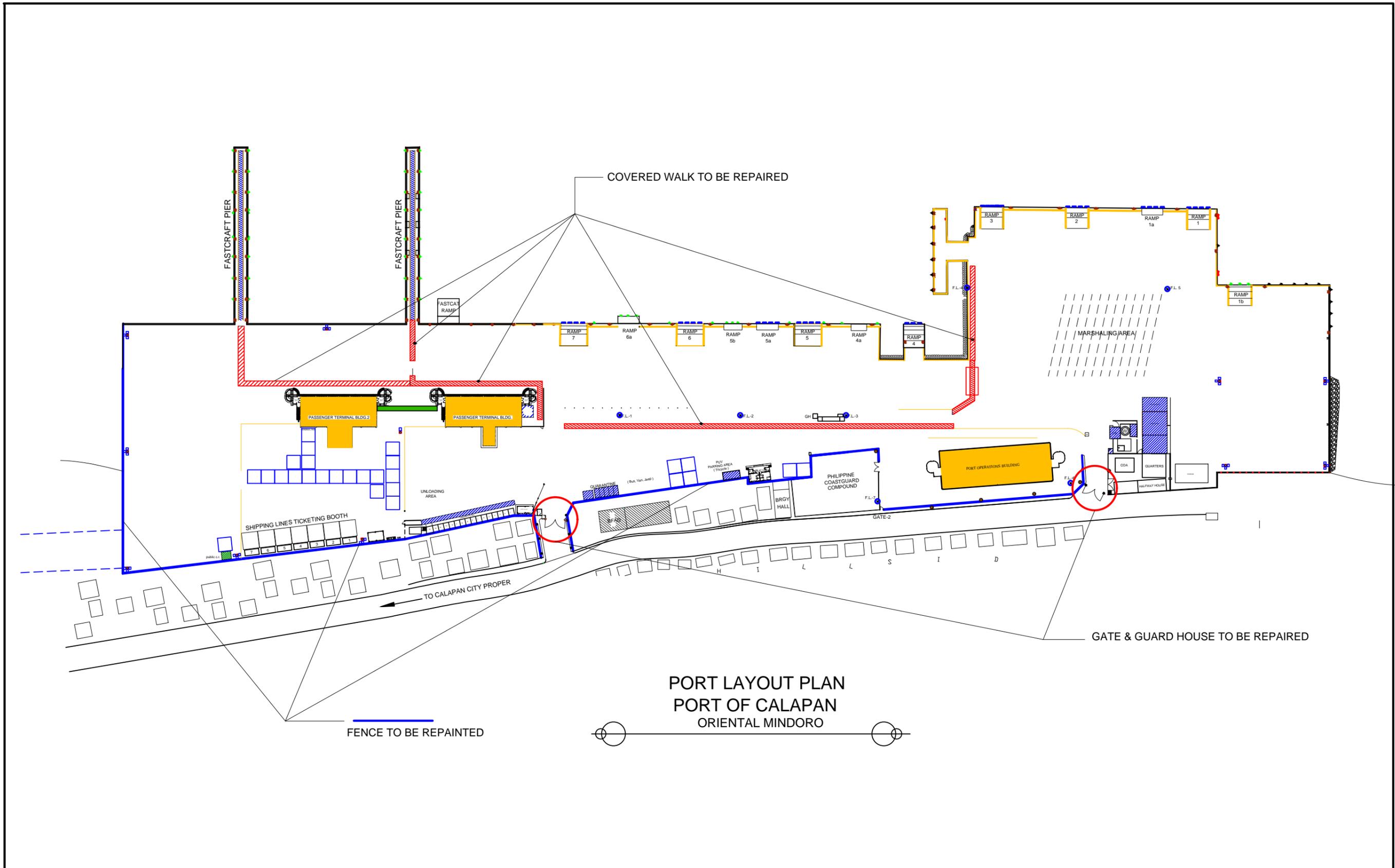




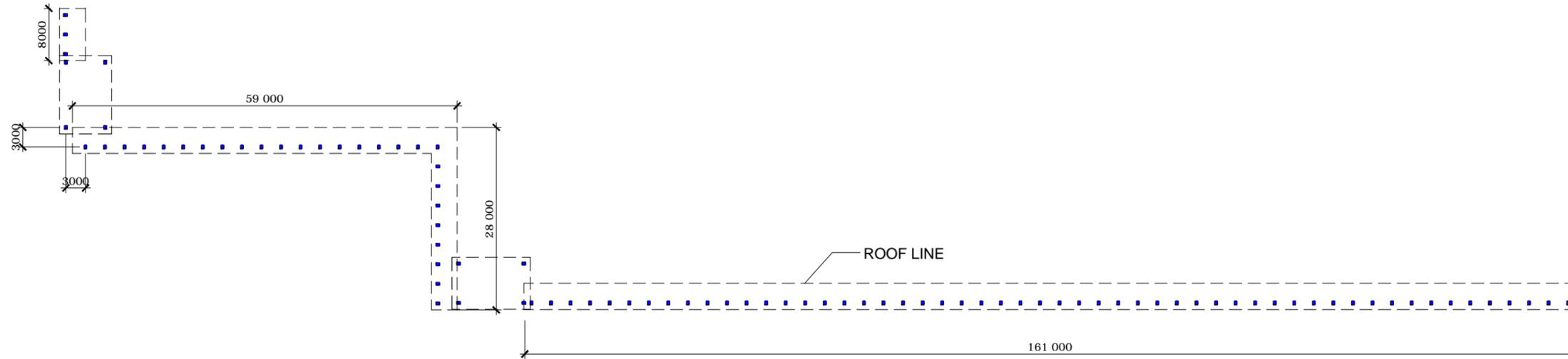
REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE

PORT OF CALAPAN, ORIENTAL MINDORO



	PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO				SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN	
	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	AS SHOWN	SHEET NO. 1 of 45
							DATE :

BARRICADE FENCE
30 SETS SEE DETAIL



GENERAL PLAN OF COVERED WALK
SCALE 1:750 M.



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

SHEET CONTENTS: SCALE: AS SHOWN

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

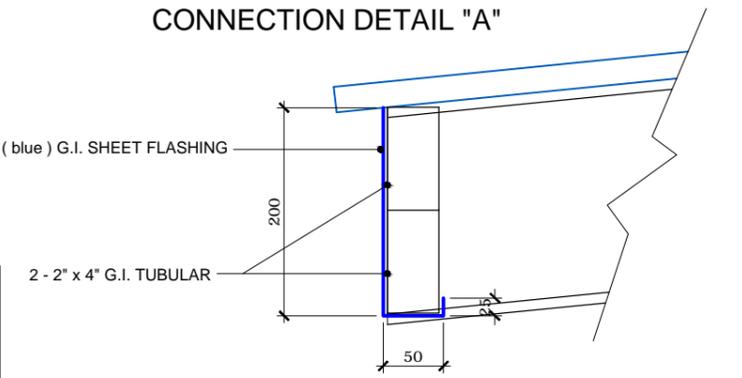
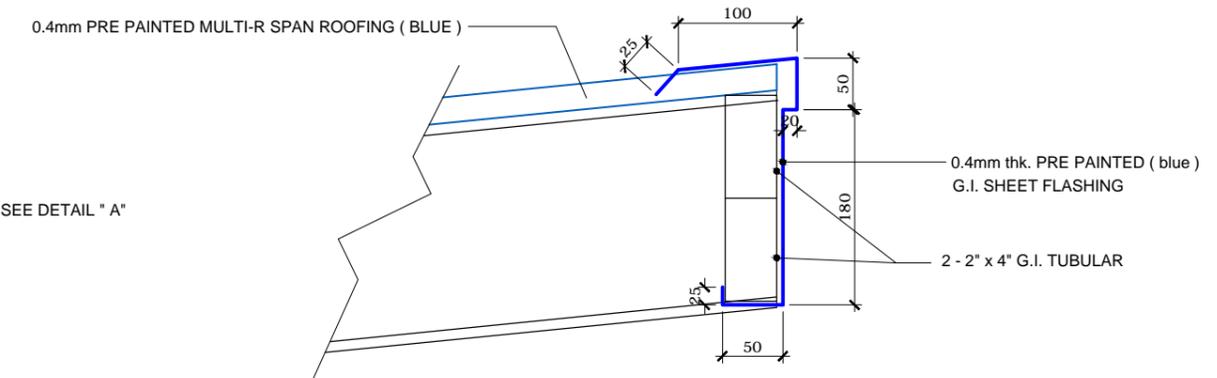
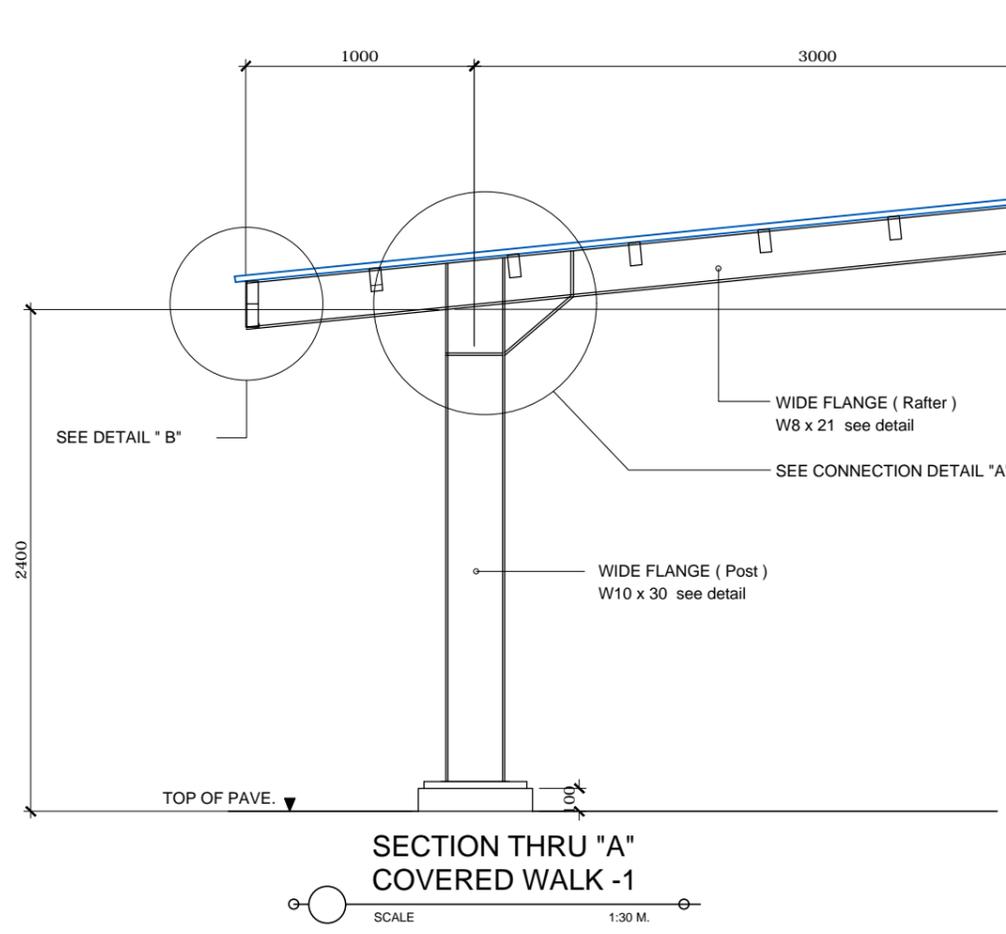
APPROVED :

ELVIS R. MEDALLA
Port Manager A

AS SHOWN

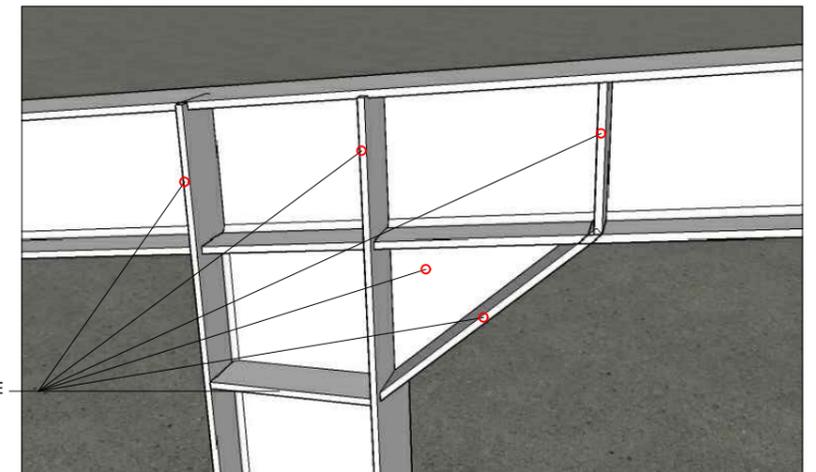
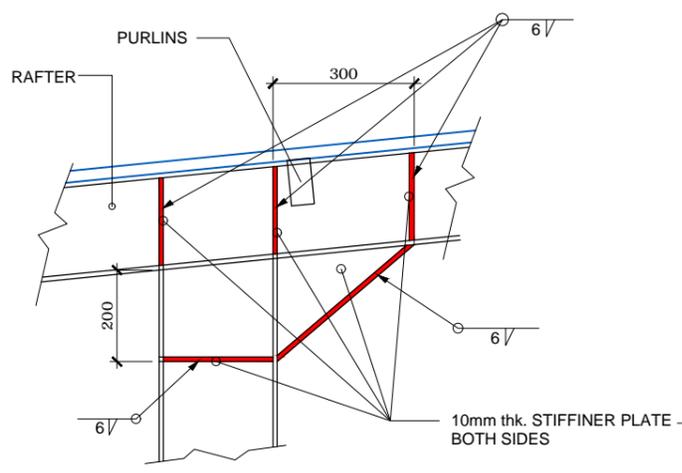
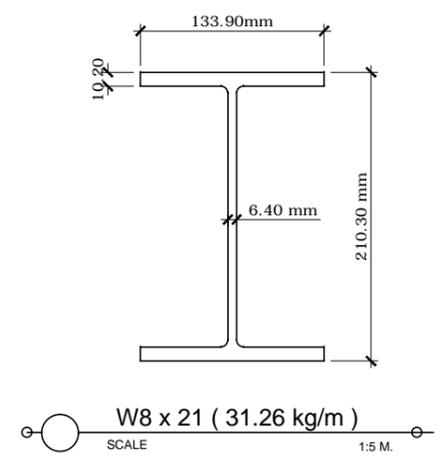
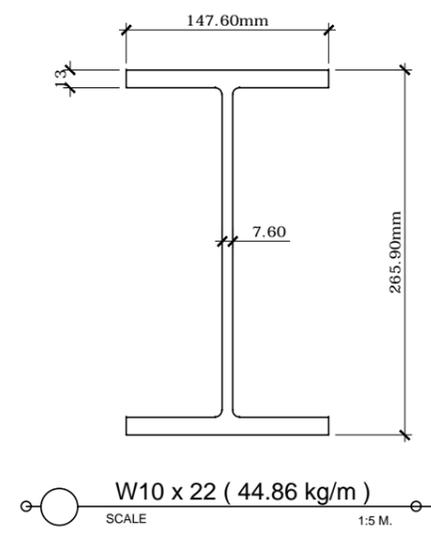
SHEET NO.
2 of 45

DATE :
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)



CONNECTION DETAIL "C"

ISOMETRIC VIEW



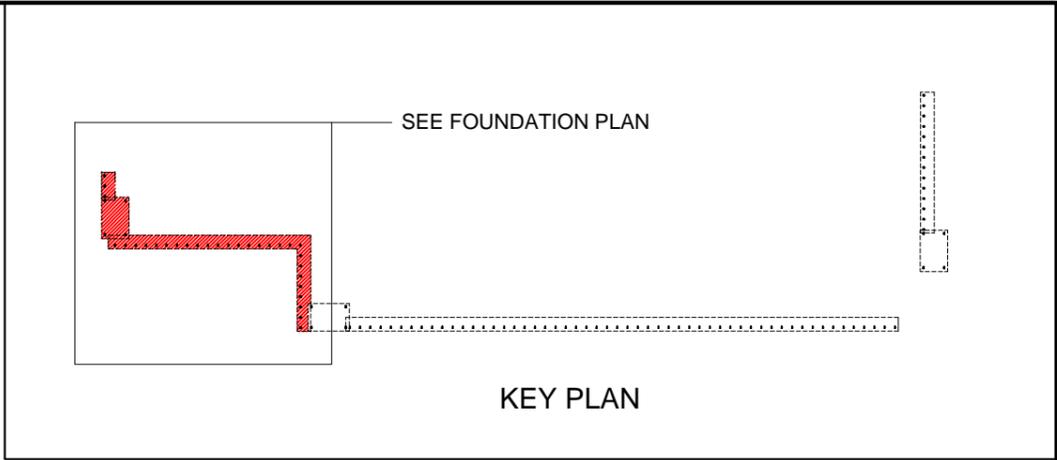
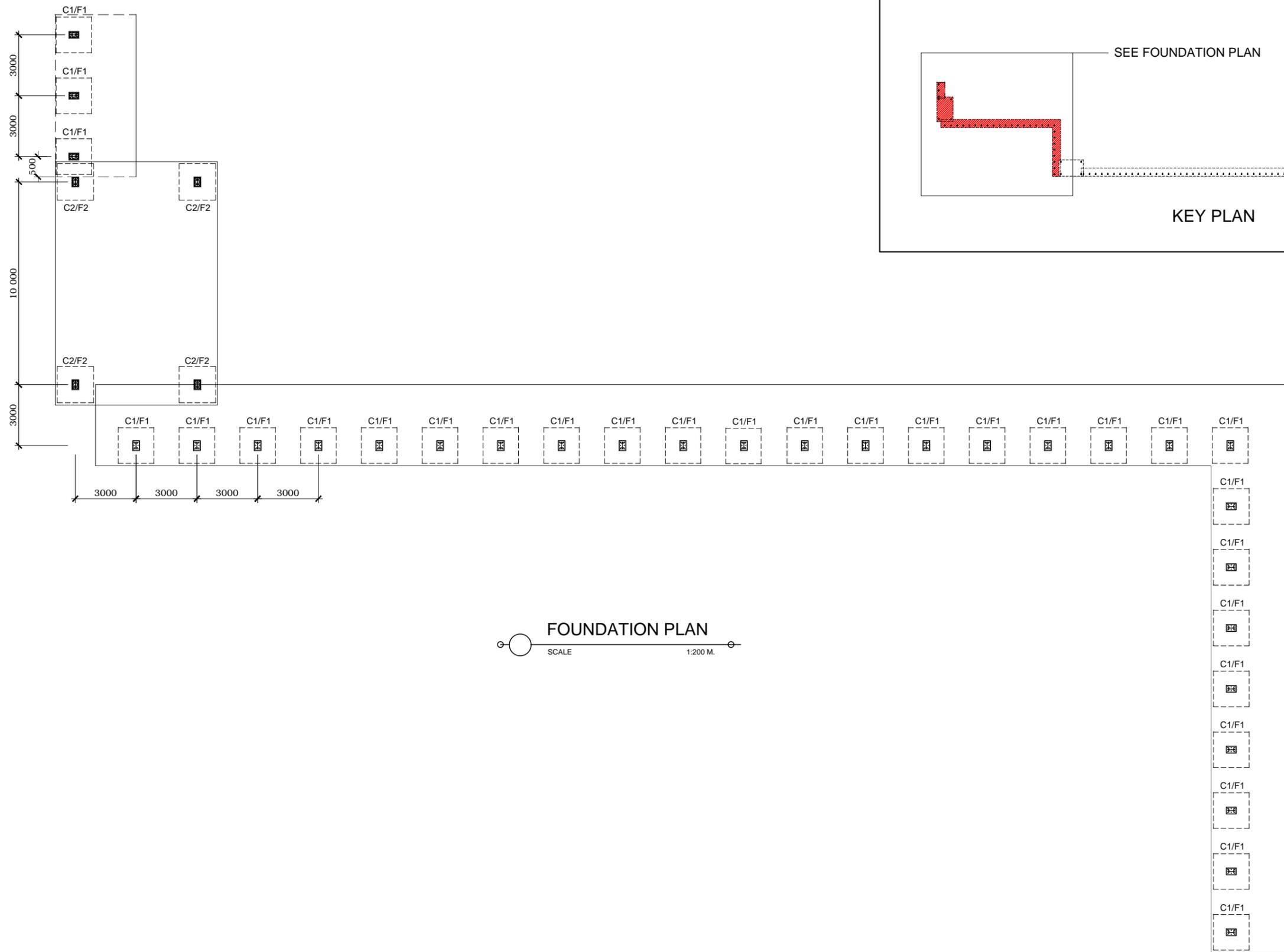
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED : ELVIS R. MEDALLA Port Manager A	AS SHOWN	SHEET NO. 3 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					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
PREPARED BY: <u>FERNANDO J. GALVEZO</u> Engineering Assistant A	SUBMITTED BY: <u>EMERSON D. QUIAMBAO</u> Office Engineer	CHECKED / REVIEWED BY: <u>RONALD O. MATIBAG</u> Acting Principal Engineer A	RECOMMENDING APPROVAL: <u>MARGARITO P. DIMAILIG</u> Acting Division Manager A, ESD	APPROVED : <u>ELVIS R. MEDALLA</u> Port Manager A	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

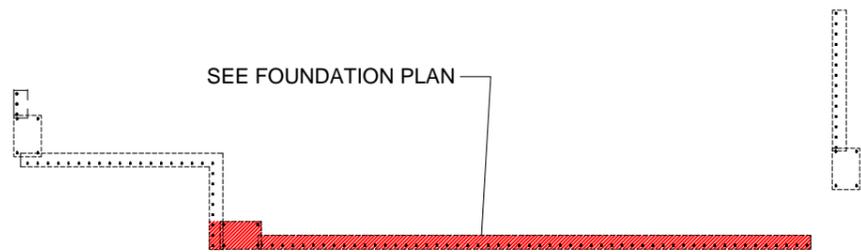
SHEET CONTENTS:

AS SHOWN

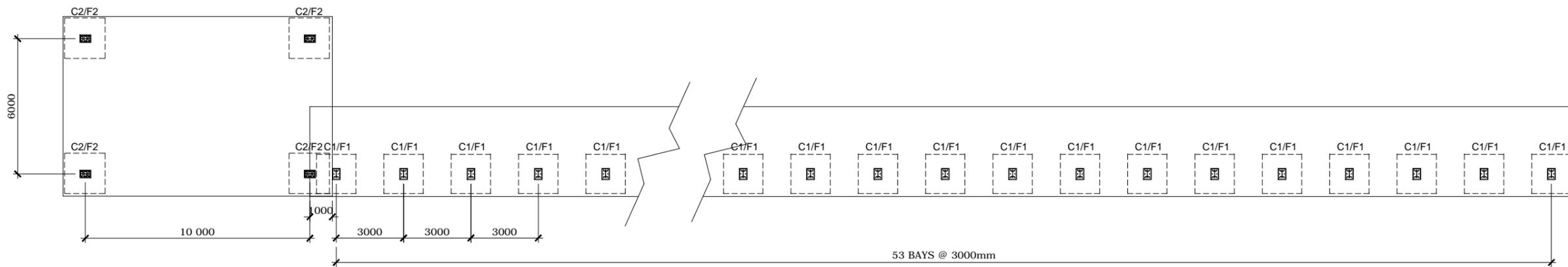
SCALE:
AS SHOWN

SHEET NO.
5 of 45

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

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN

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

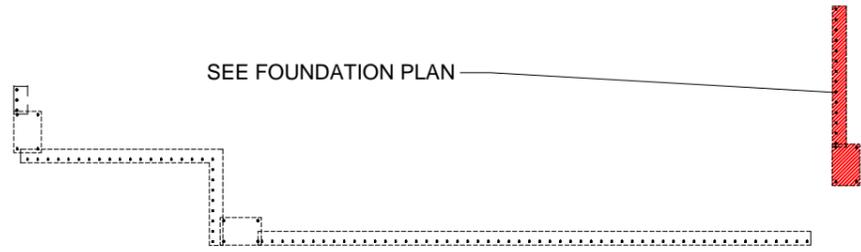
APPROVED :

ELVIS R. MEDALLA
Port Manager A

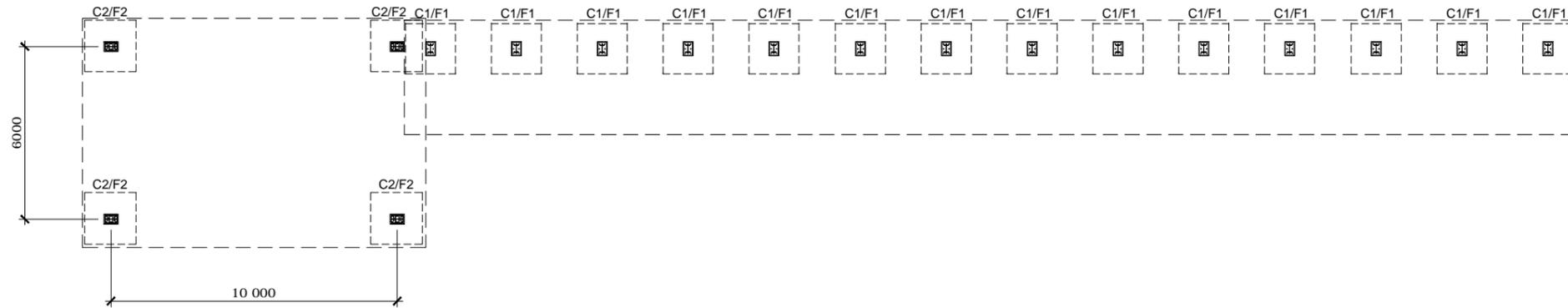
AS SHOWN

SHEET NO.
6 of 45

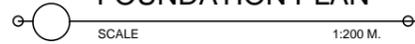
DATE :
04 OCT 2019



KEY PLAN



FOUNDATION PLAN



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

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN

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

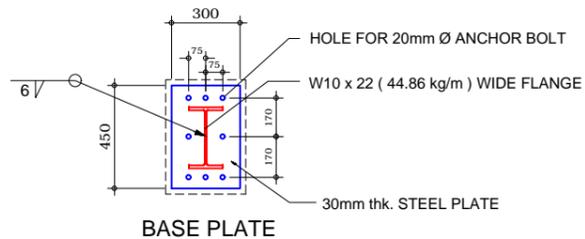
APPROVED :

ELVIS R. MEDALLA
Port Manager A

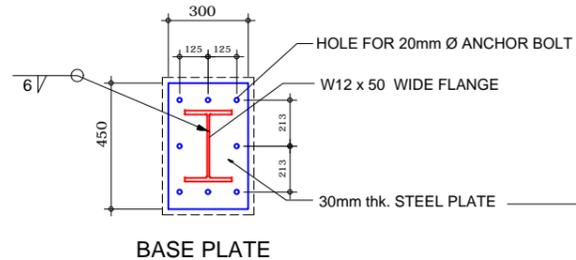
AS SHOWN

SHEET NO.
7 of 45

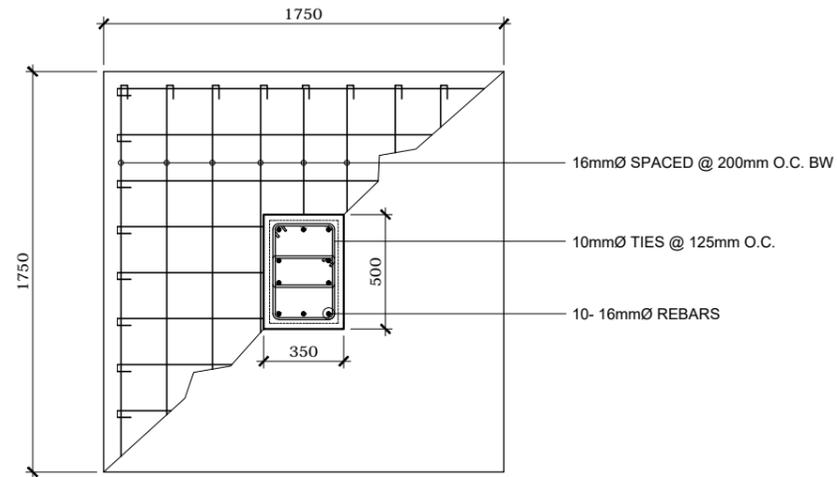
DATE :
04 OCT 2019



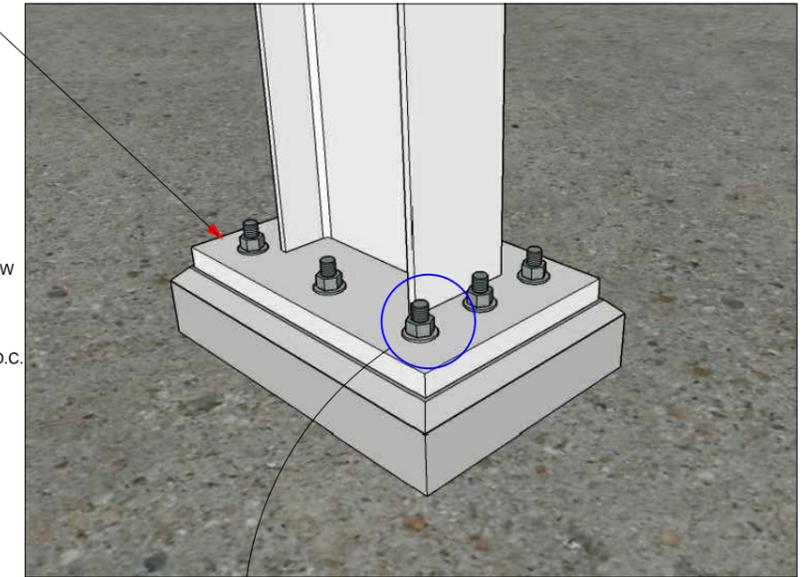
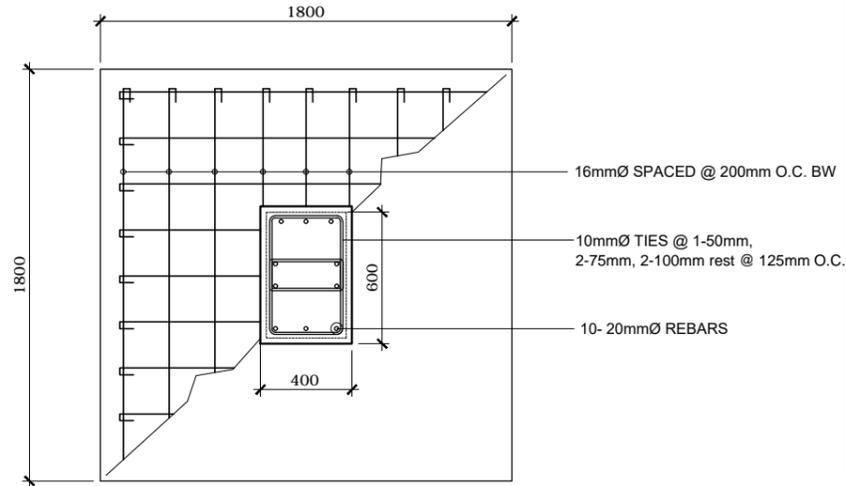
BASE PLATE



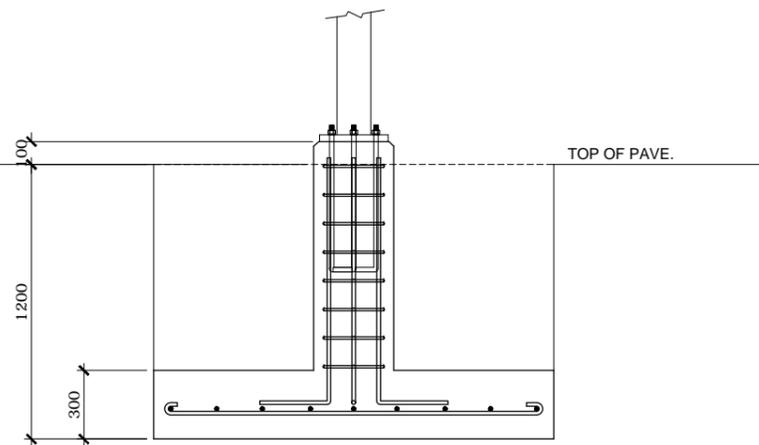
BASE PLATE



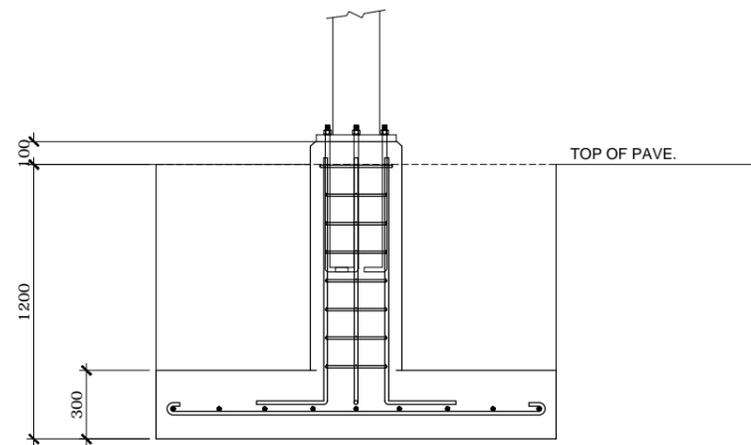
PLAN



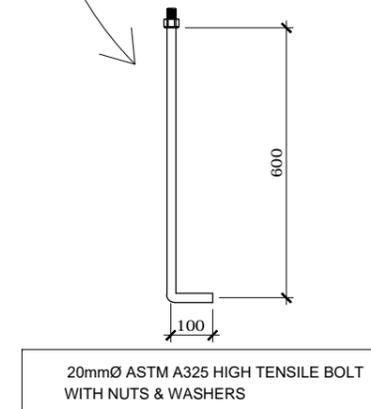
ISOMETRIC VIEW



SECTION
C1/F1



C2/F2



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

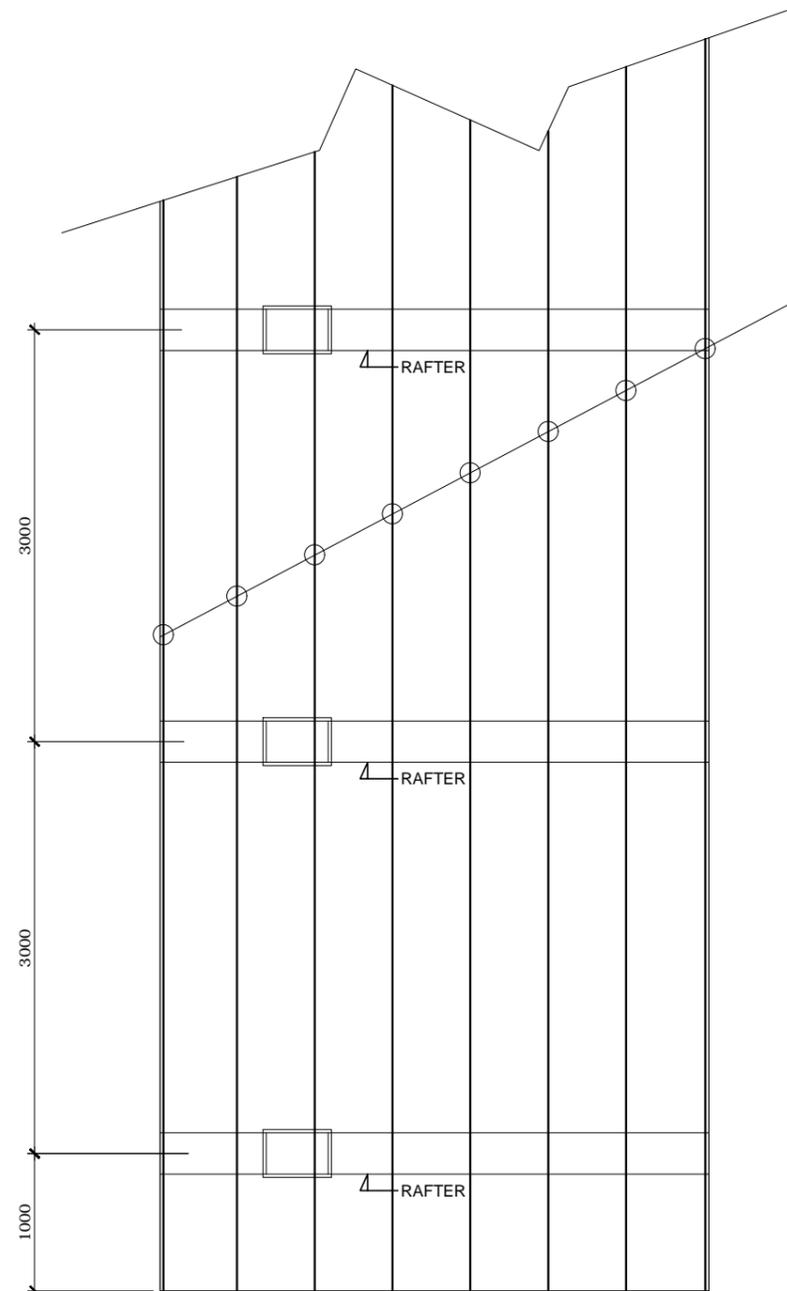
SUBMITTED BY:
EMERSON D. QUIAMBAO
Office Engineer

CHECKED / REVIEWED BY:
RONALD O. MATIBAG
Acting Principal Engineer A

RECOMMENDING APPROVAL:
MARGARITO P. DIMAILIG
Acting Division Manager A, ESD

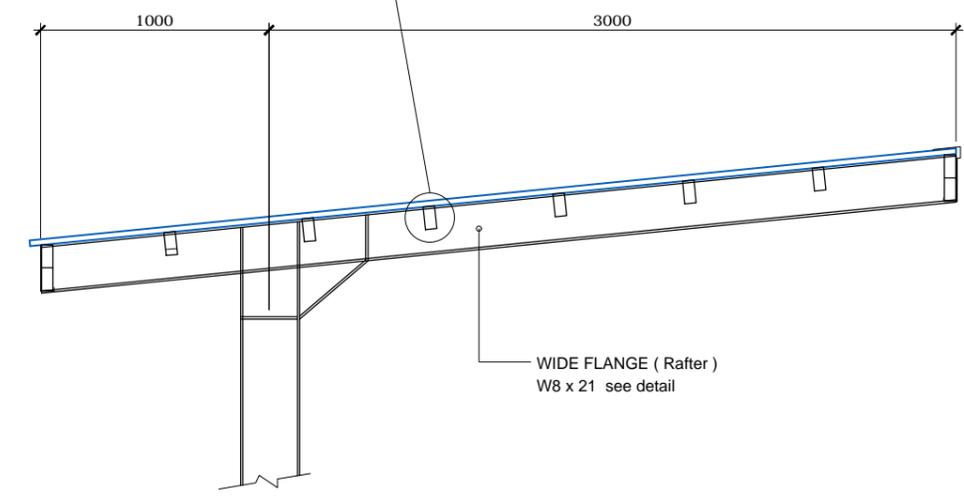
APPROVED :
ELVIS R. MEDALLA
Port Manager A

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN
SHEET NO. 8 of 45
DATE : 04 OCT 2019



**ROOF FRAMING PLAN
COVERED WALK -1**
SCALE 1:50 M.

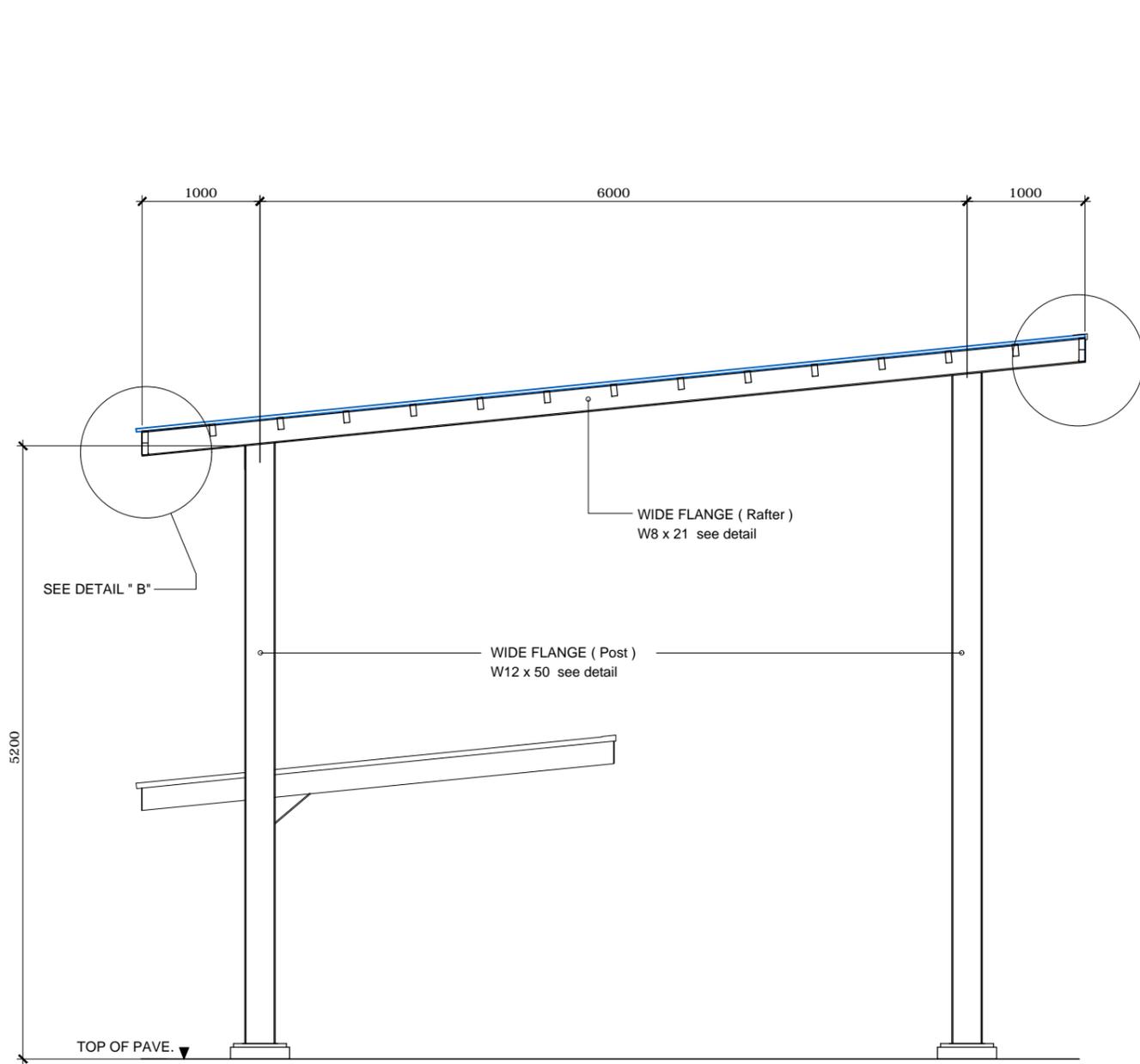
100 x 50 x 2.0mm thk. G.I. TUBULAR PURLINS
SPACED AS SHOWN



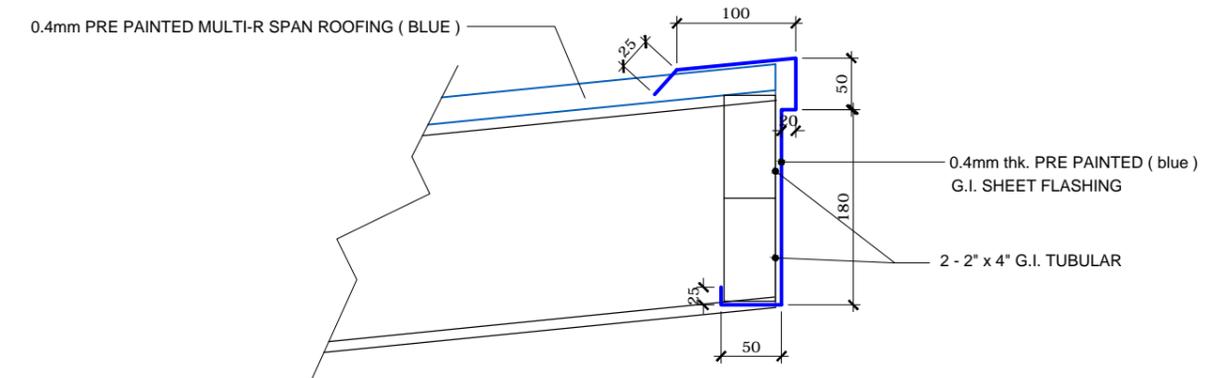
RAFTER & PURLINS DETAIL
SCALE 1:30 M.



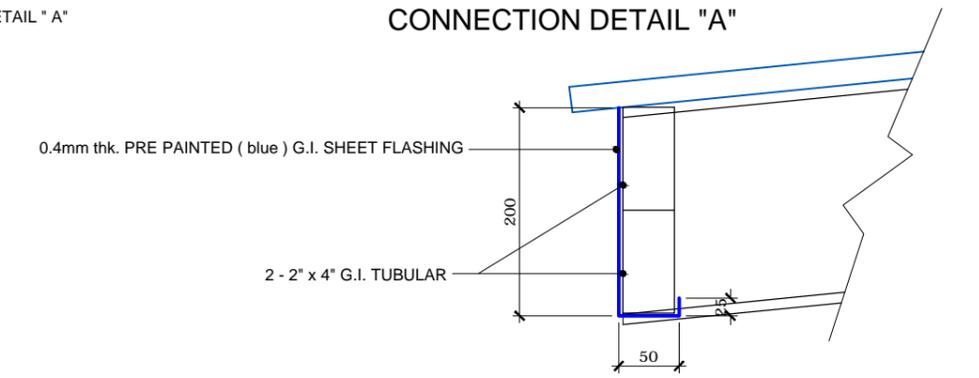
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS:	AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED : ELVIS R. MEDALLA Port Manager A	AS SHOWN	SHEET NO. 9 of 45
						DATE : 04 OCT 2019



SECTION THRU "B"
COVERED WALK -2
SCALE 1:50 M.



CONNECTION DETAIL "A"

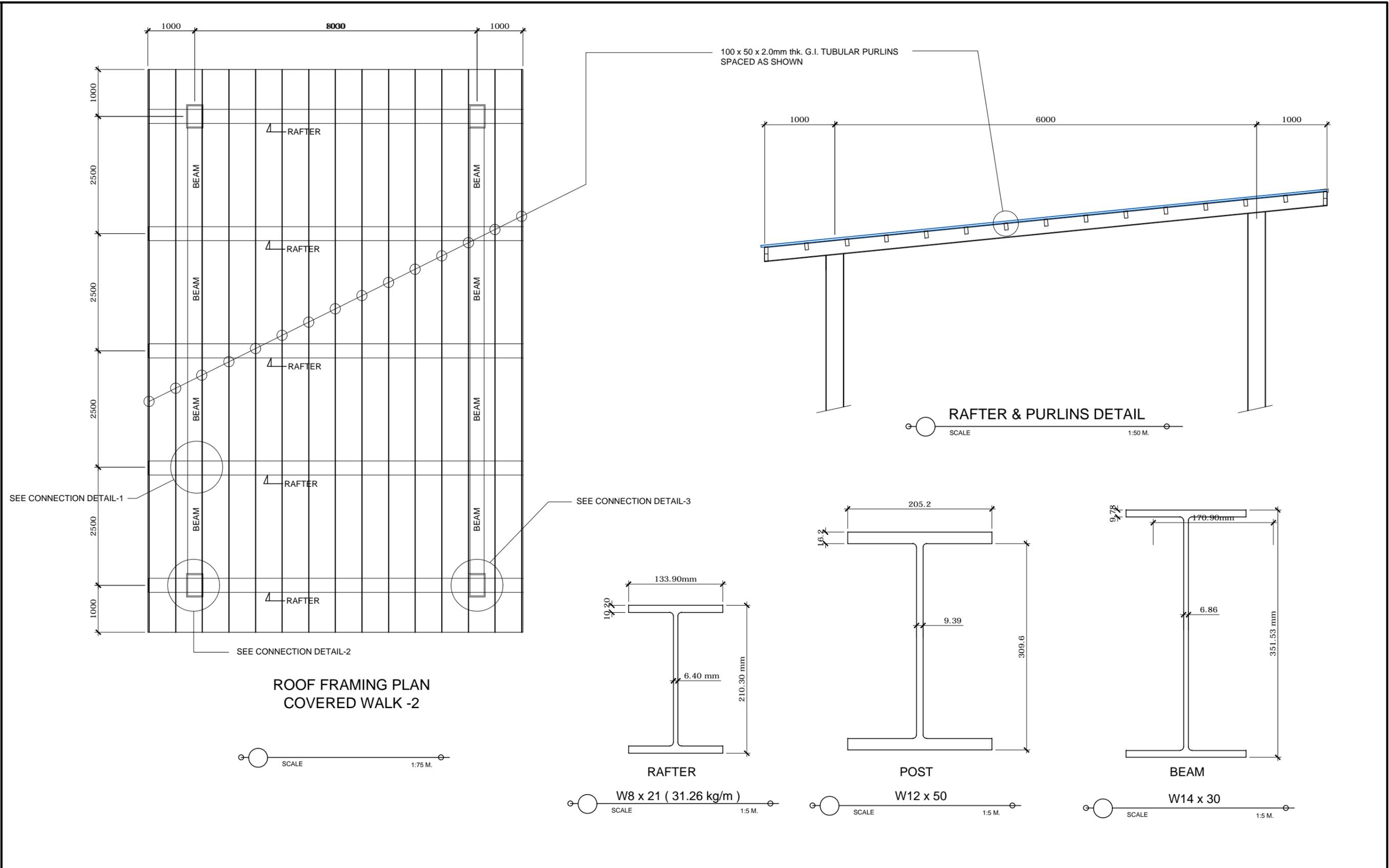


CONNECTION DETAIL "B"

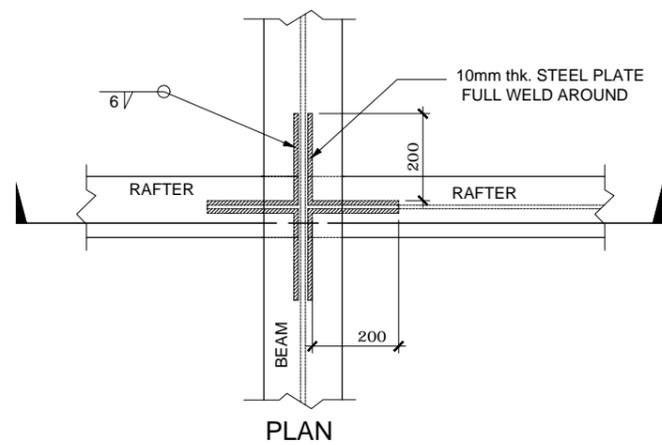
- NOTES:**
1. ALL COLUMN, BEAM, RAFTER, STIFFENER PLATE, BASE PLATE STRENGTH AS PER ASTM A36 SPECIFICATION.
 2. ALL WELDS: E60XX ELECTRODE
 3. PAINTING WORKS: 1 COAT EPOXY PRIMER W/ EPOXY REDUDER (Spray finish)
2 COATS EPOXY / AUTOMOTIVE PAINT (Spray finish)



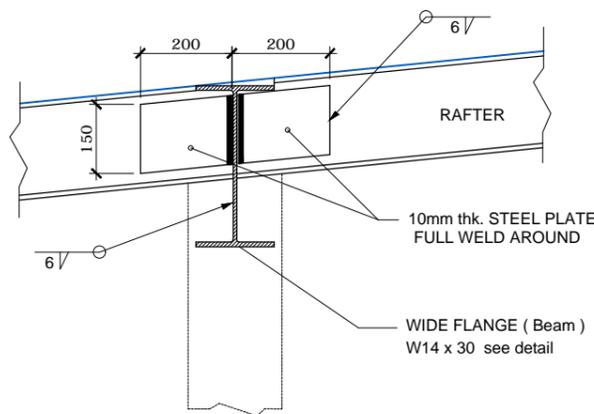
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting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

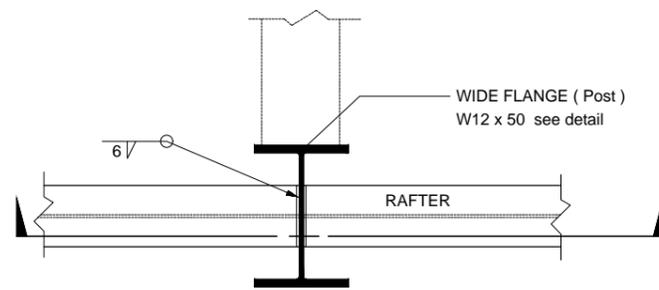
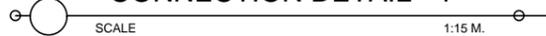


PLAN

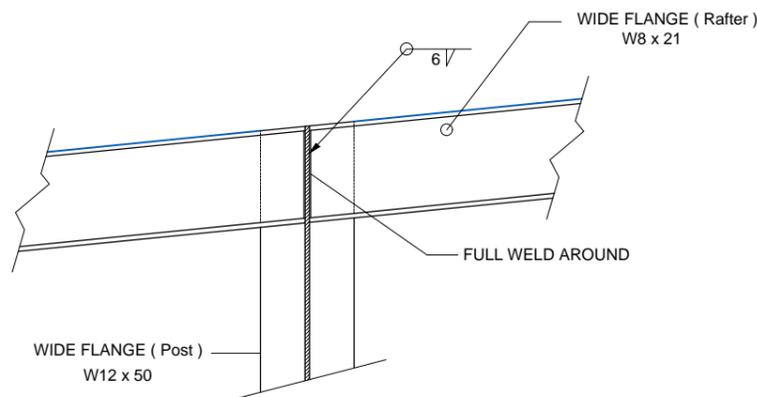


SECTION

CONNECTION DETAIL - 1

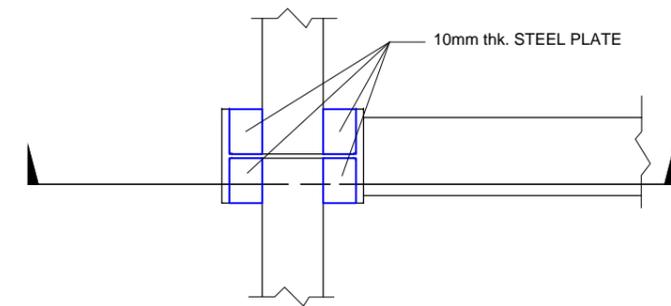
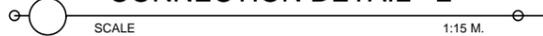


PLAN

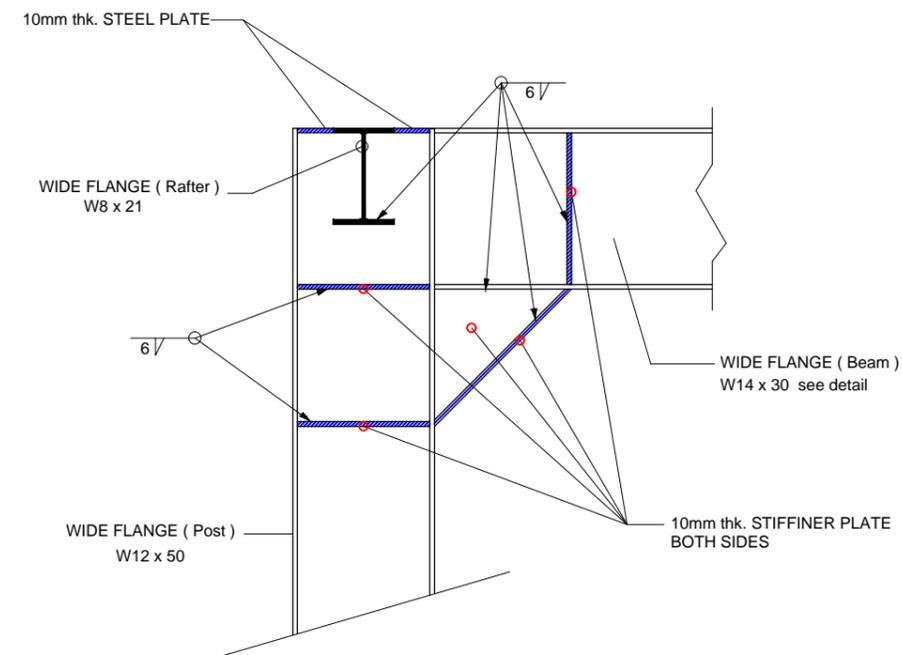


SECTION

CONNECTION DETAIL - 2



PLAN



SECTION

CONNECTION DETAIL - 3



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 REDUCER (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

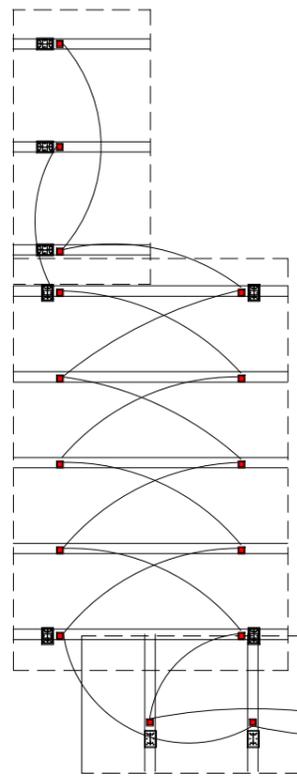
SHEET CONTENTS:

AS SHOWN

SCALE:
AS SHOWN

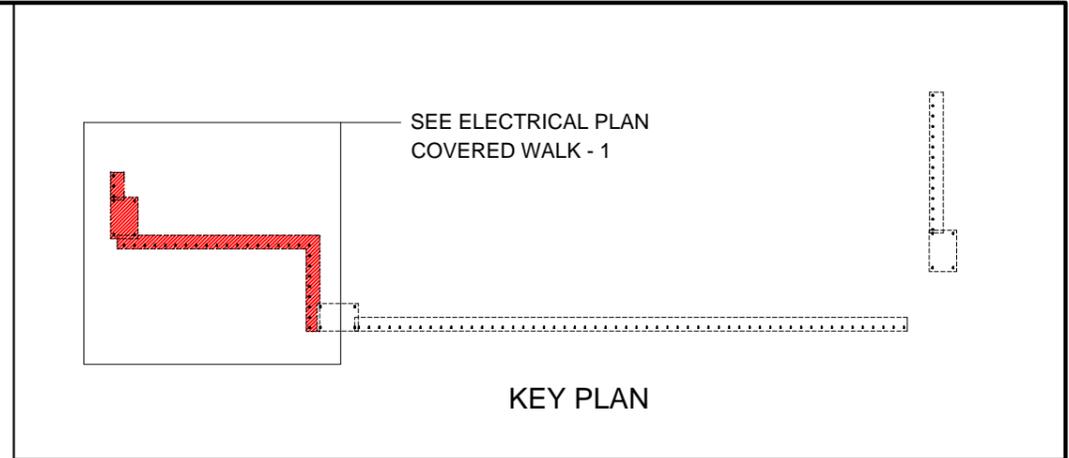
SHEET NO.
12 of 45

DATE :
04 OCT 2019



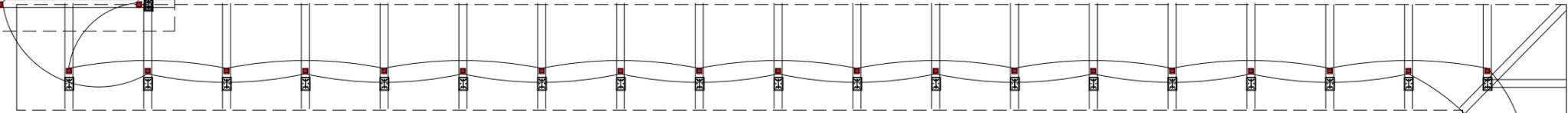
LEGEND:

■ 10 W LED OUTDOOR FLOODLIGHTS

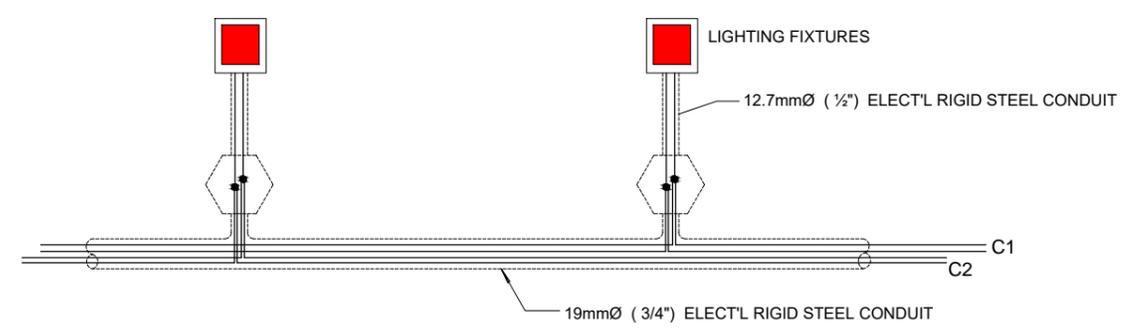


SEE ELECTRICAL PLAN
COVERED WALK - 1

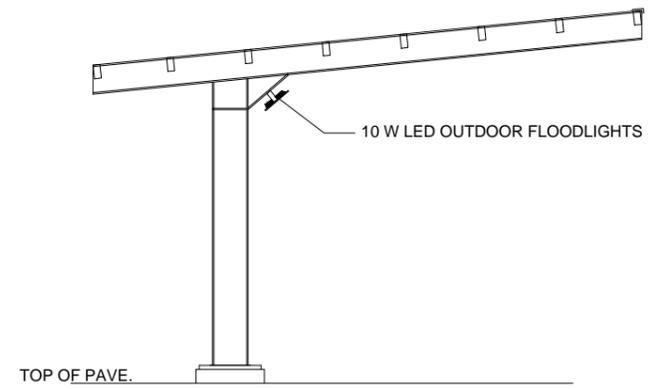
KEY PLAN



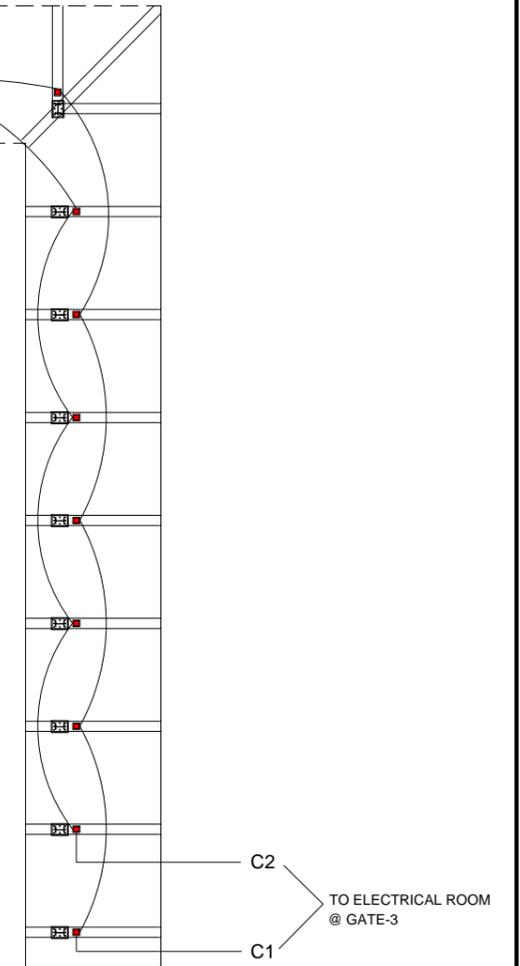
ELECTRICAL PLAN
SCALE 1:200 M.



WIRE CONNECTION DETAIL



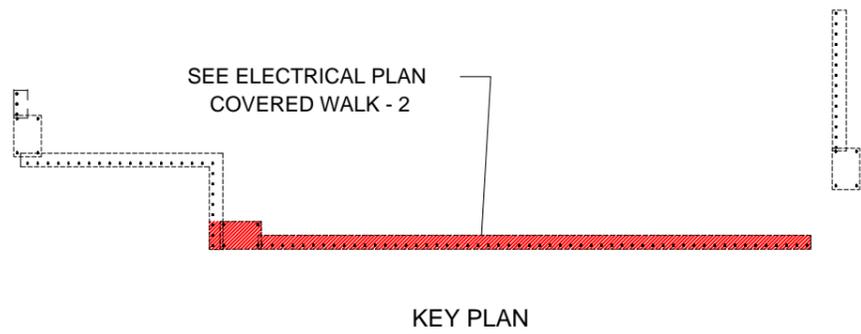
LIGHTING FIXTURES LOCATION



C2
C1
TO ELECTRICAL ROOM
@ GATE-3

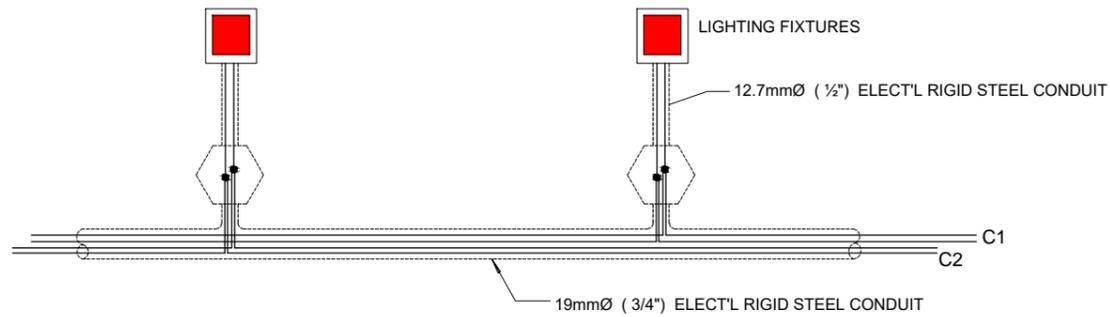
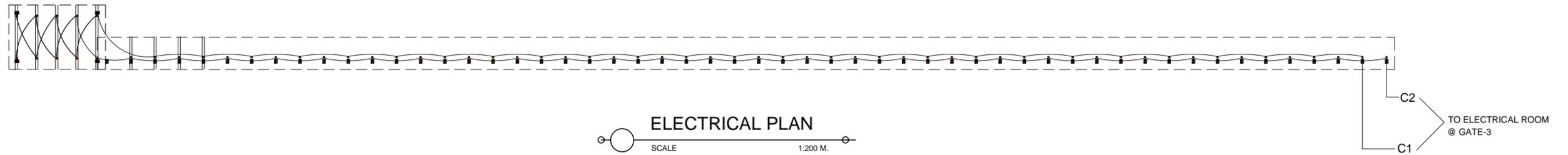


PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED : ELVIS R. MEDALLA Port Manager A	AS SHOWN	SHEET NO. 13 of 45
						DATE : 04 OCT 2019

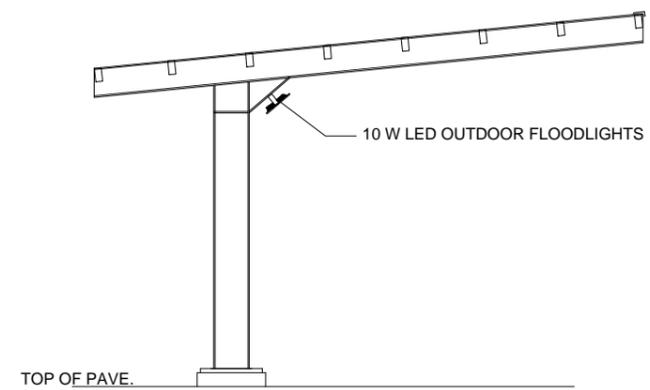


LEGEND:

■ 10 W LED OUTDOOR FLOODLIGHTS



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

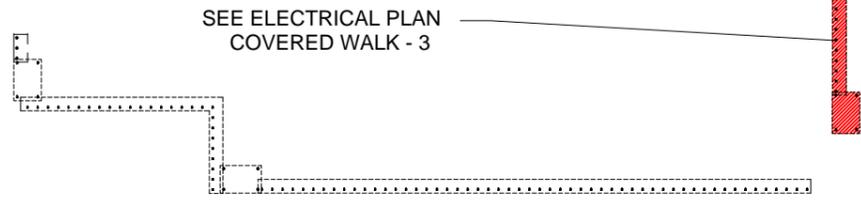
SHEET CONTENTS:

AS SHOWN

SCALE:
AS SHOWN

SHEET NO.
14 of 45

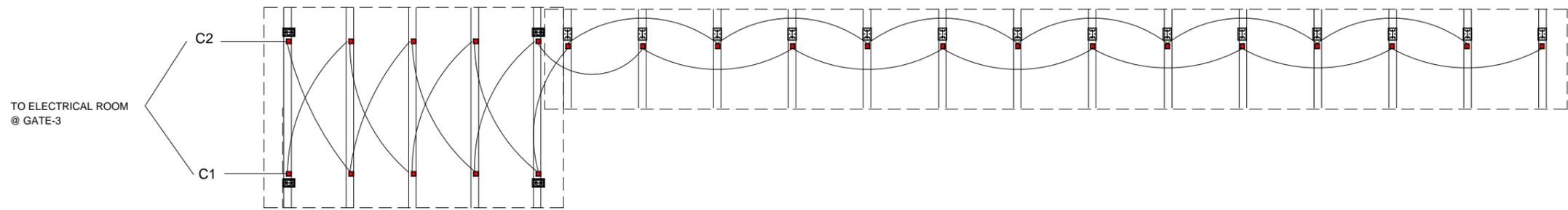
DATE :
04 OCT 2019



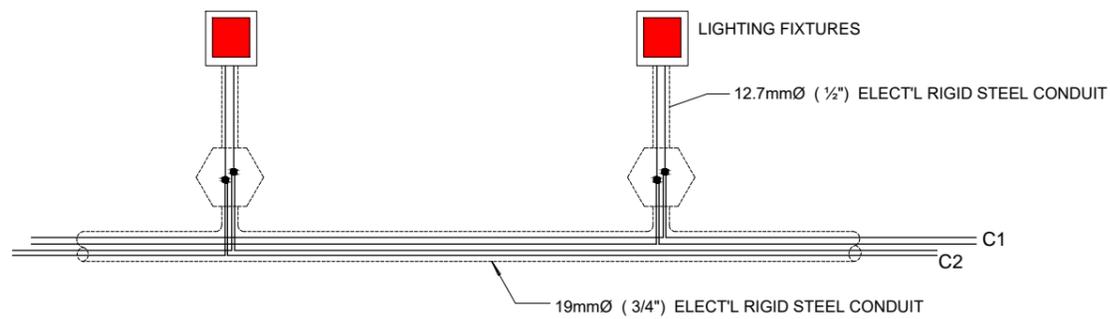
KEY PLAN

LEGEND:

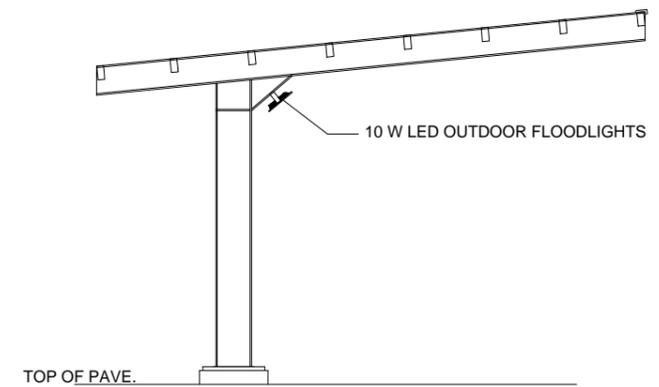
■ 10 W LED OUTDOOR FLOODLIGHTS



ELECTRICAL PLAN



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

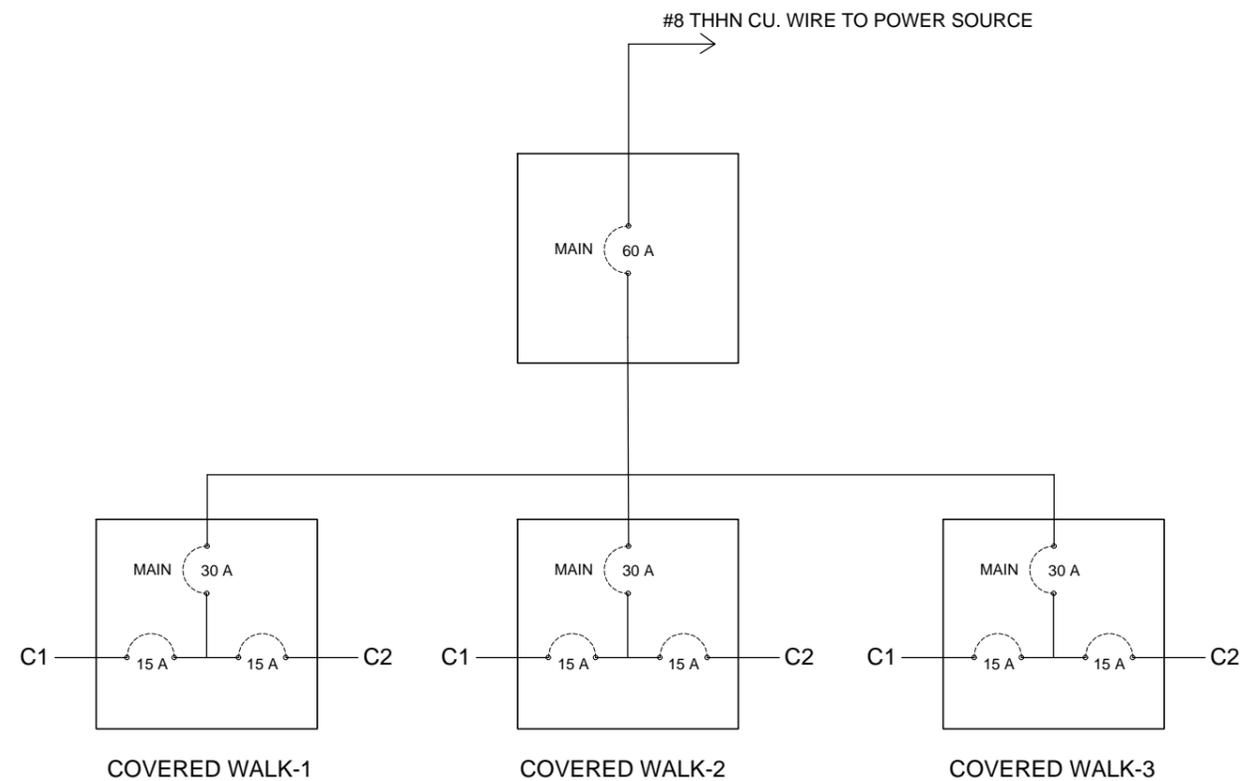
SHEET NO.
15 of 45

DATE :
04 OCT 2019

SCHEDULE OF LOAD									
COVERED WALK - 1									
CKT. NO.	Unit	LOAD DESCRIPTION	VOLTS	WATTS	AMPS	WIRE (mm ²) THHN / THWN	METAL ELECT'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 ²) THHN / THWN	METAL ELECT'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 ²) THHN / THWN	METAL ELECT'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

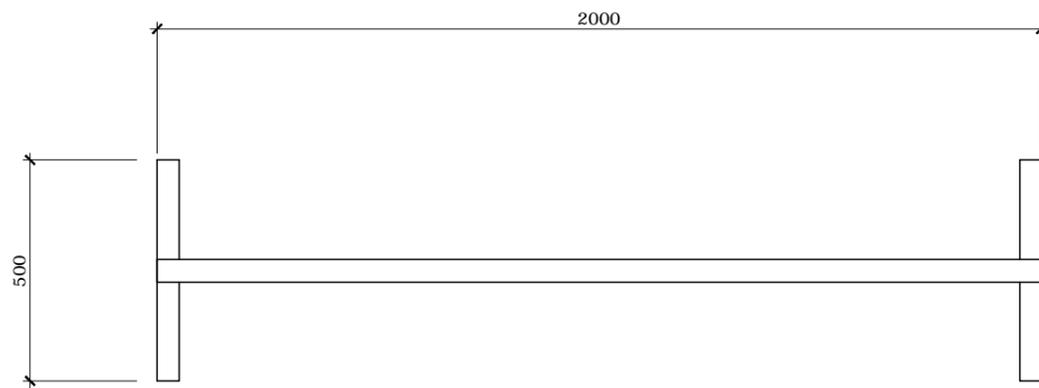
APPROVED:
ELVIS R. MEDALLA
Port Manager A

SHEET CONTENTS: AS SHOWN

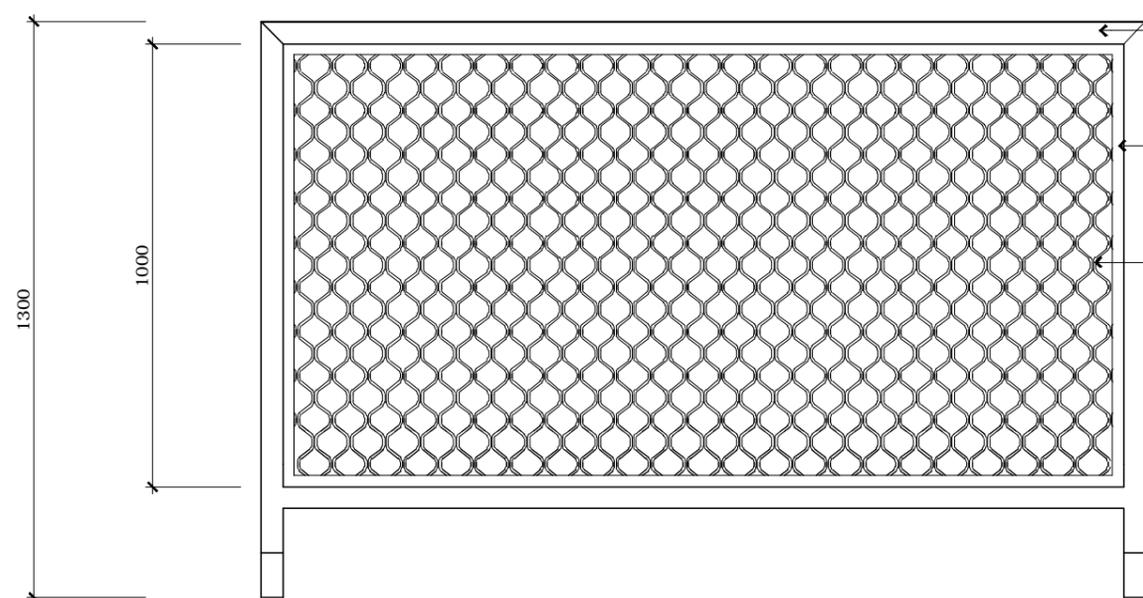
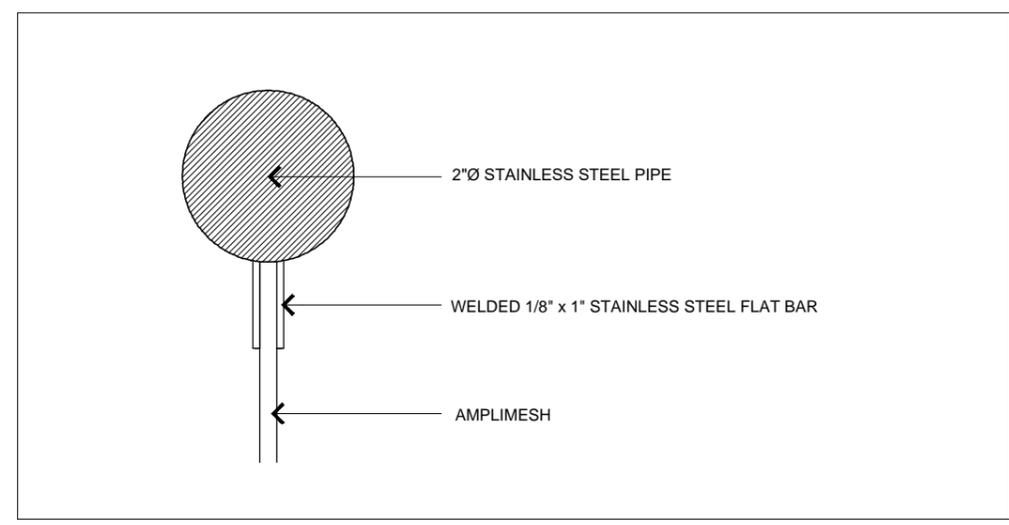
SCALE: AS SHOWN

SHEET NO. 16 of 45

DATE: 04 OCT 2019

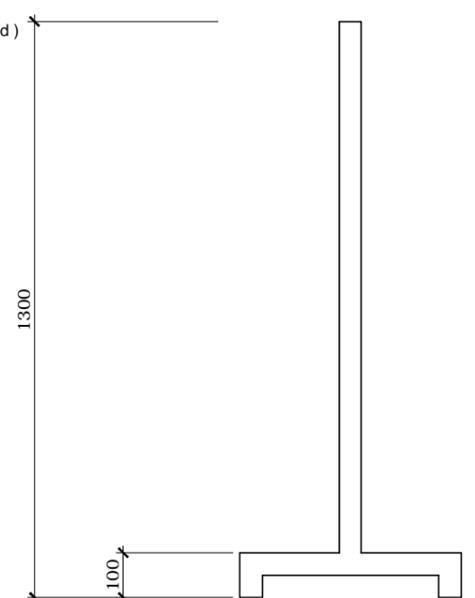


PLAN



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)

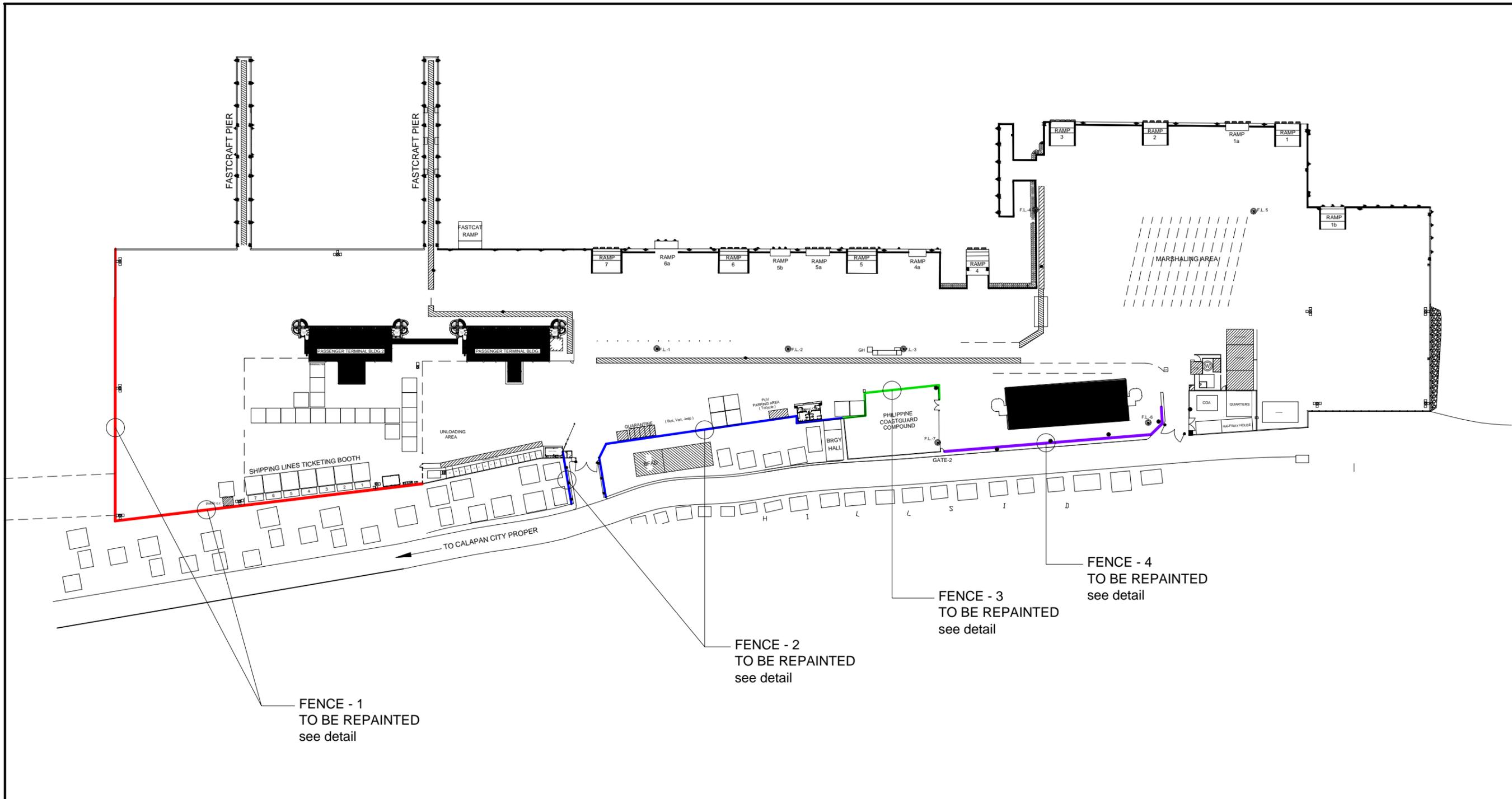


SIDE ELEVATION

MOVABLE BARRICADE FENCE 30SETS



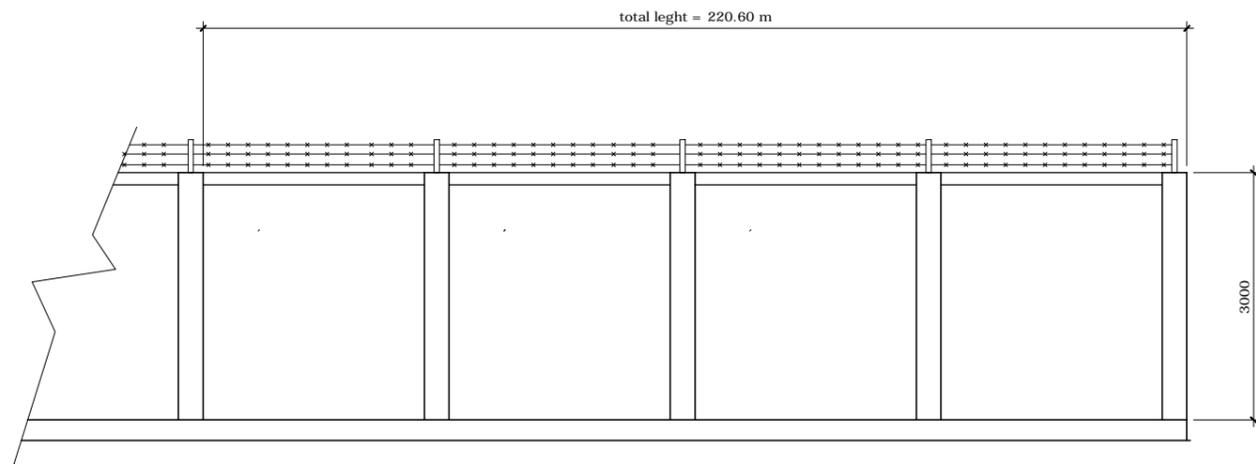
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED : ELVIS R. MEDALLA Port Manager A	AS SHOWN SHEET NO. 17 of 45 DATE : 04 OCT 2019



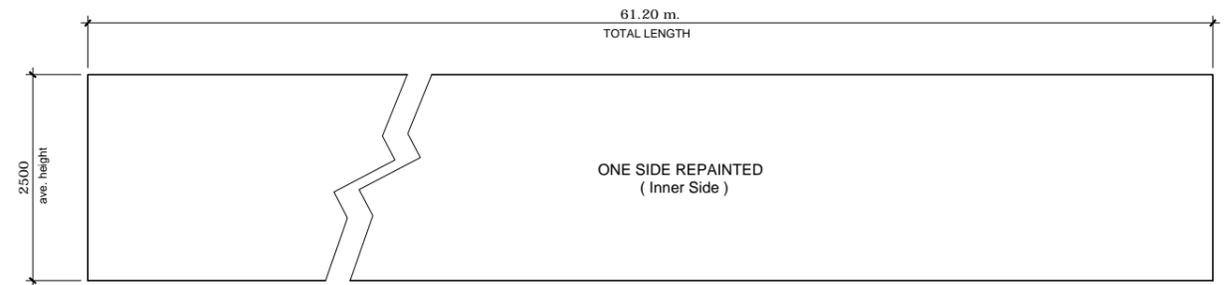
**PORT LAYOUT PLAN
PORT OF CALAPAN
ORIENTAL MINDORO**



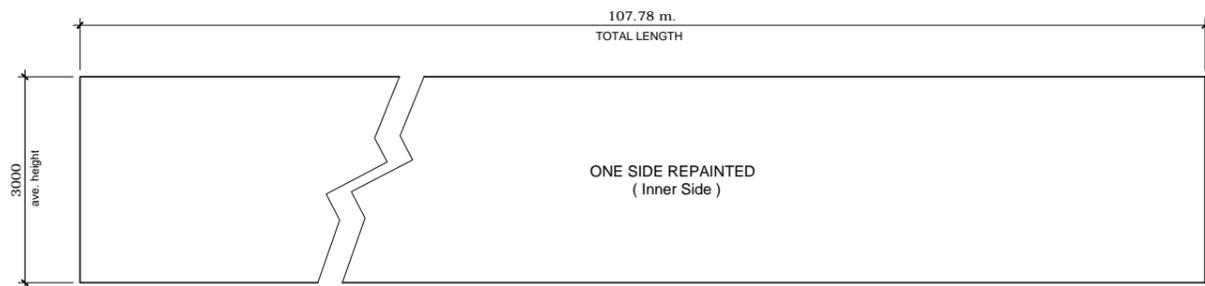
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED: ELVIS R. MEDALLA Port Manager A	AS SHOWN	SHEET NO. 18 of 45
						DATE: 04 OCT 2019



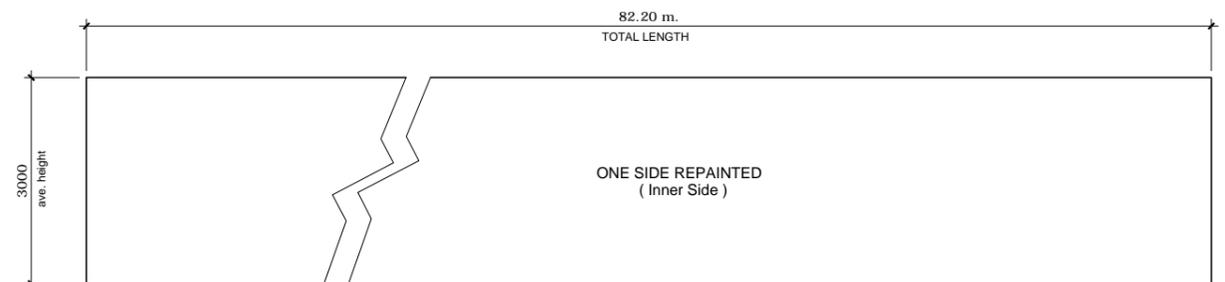
TYPICAL ELEVATION OF FENCE - 1



FENCE - 3



FENCE - 2



FENCE - 4



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

SHEET CONTENTS: SCALE:
AS SHOWN

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

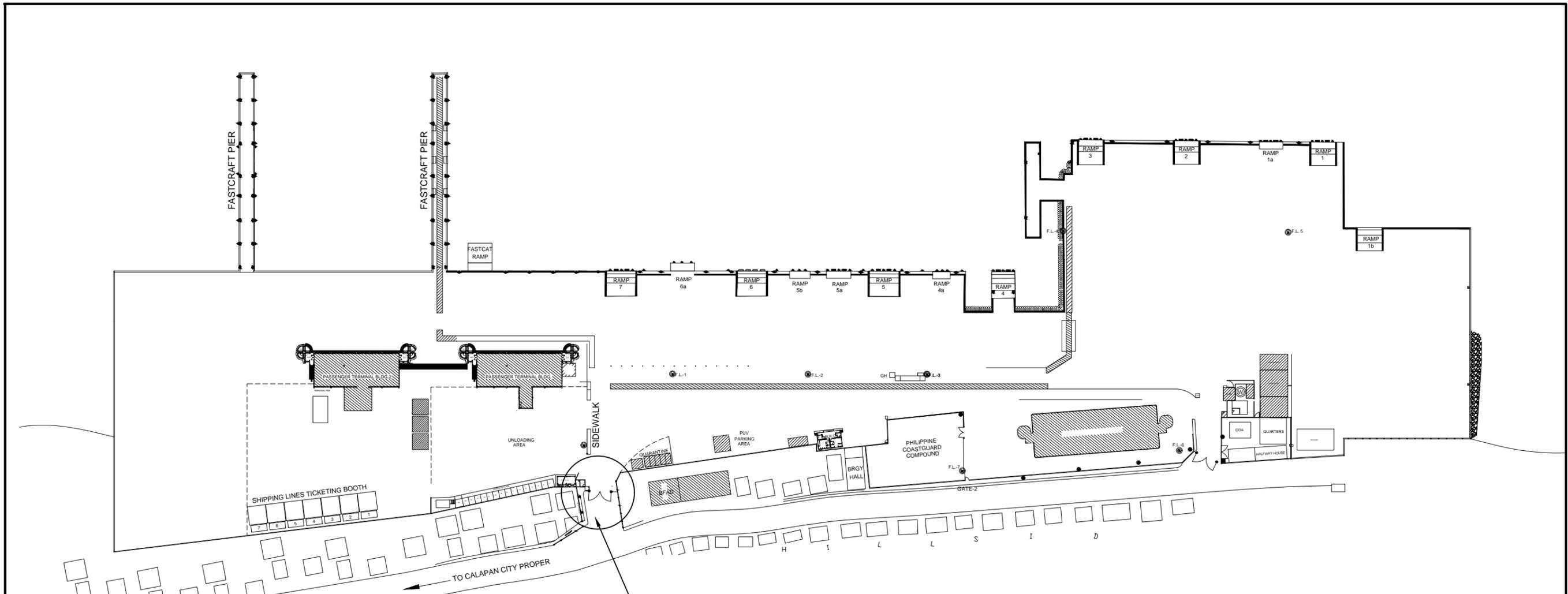
APPROVED :

ELVIS R. MEDALLA
Port Manager A

AS SHOWN

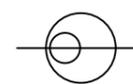
SHEET NO.
19 of 45

DATE :
04 OCT 2019



- NOTE: GATE 1 TO BE REPAIRED**
1. TO BE DEMOLISHED
 - * GATE 1
 - * WELCOME ARCH
 - * LANDSCAPE
 - * GUARD HOUSE
 - * SIDEWALK
 - * STEEL FENCE
 2. EXISTING PLANT BOX AND FENCE TO BE REPAINTED
 3. PROP. WELCOME ARCH, GATE AND GUARD HOUSE
 4. RE-PAVEMENT

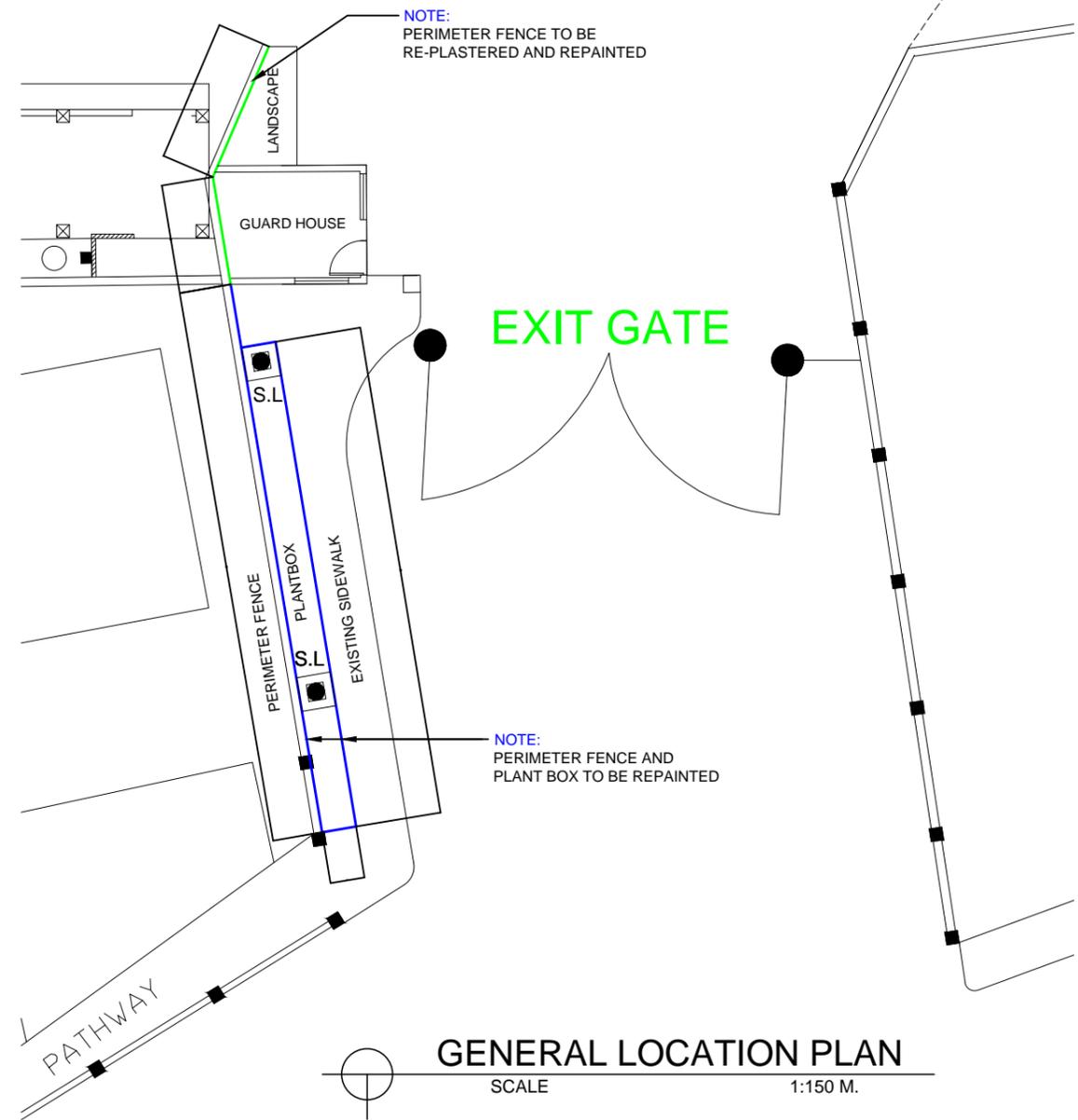
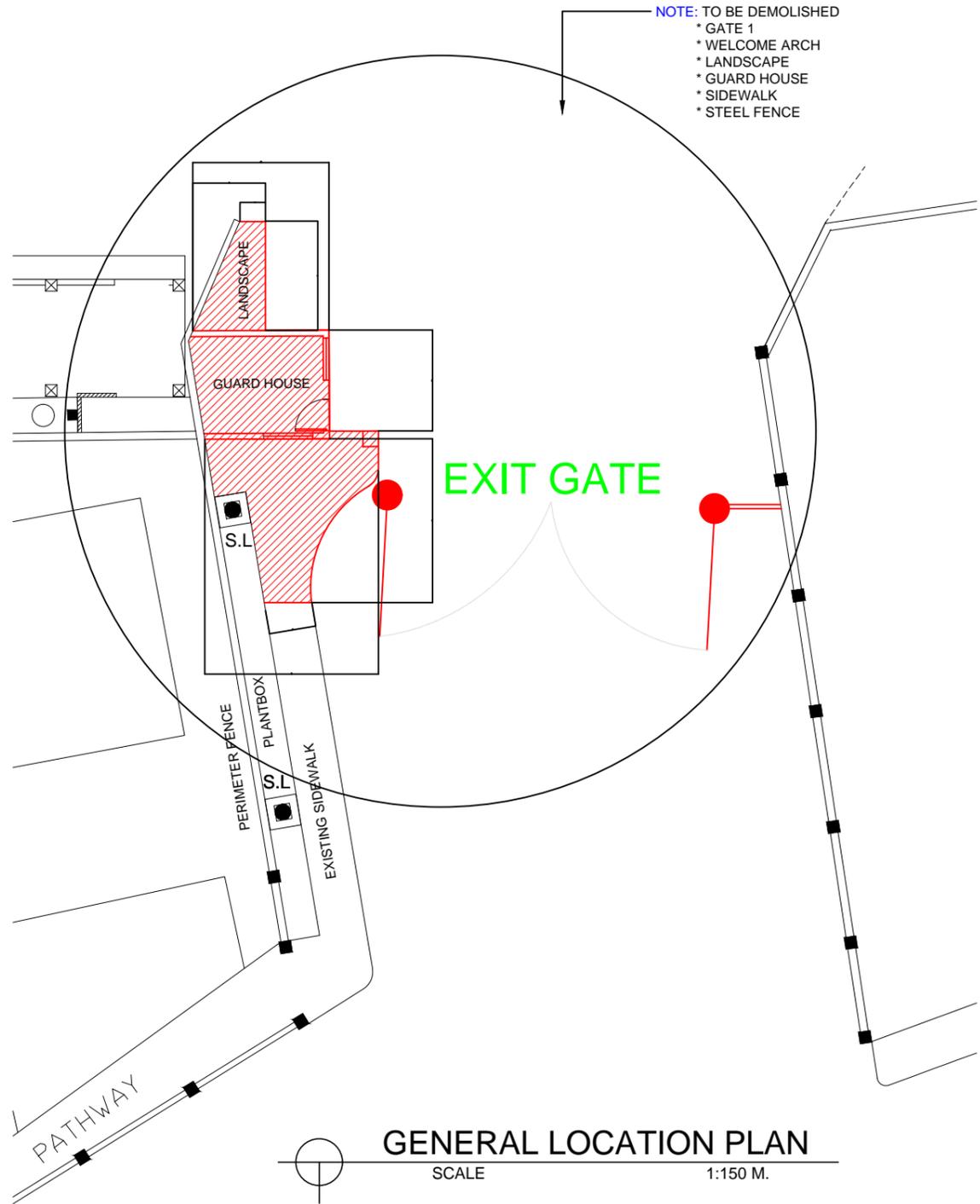
PORT LAYOUT PLAN PORT OF CALAPAN ORIENTAL MINDORO



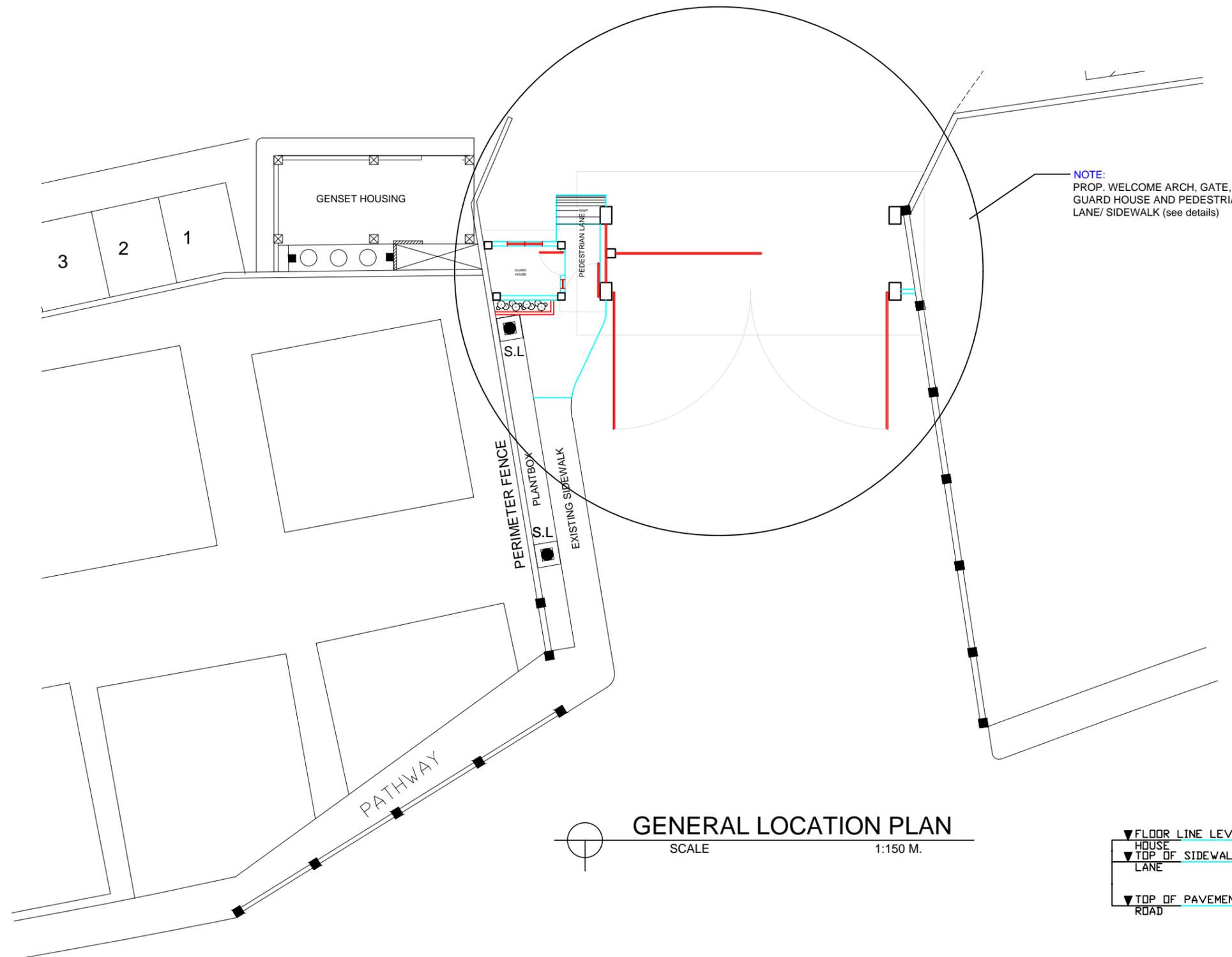
SCALE : 1:1,500 M.



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
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	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					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
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	AS SHOWN	SHEET NO. 21 of 45
						DATE: 04 OCT 2019



GENERAL LOCATION PLAN

SCALE 1:150 M.

- ▼ FLOOR LINE LEVEL OF GUARD HOUSE
- ▼ TOP OF SIDEWALK & PEDESTRIAN LANE
- ▼ TOP OF PAVEMENT/ ROAD



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

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN

PREPARED BY:
FERNANDO J. GALVEZO
Engineering Assistant A

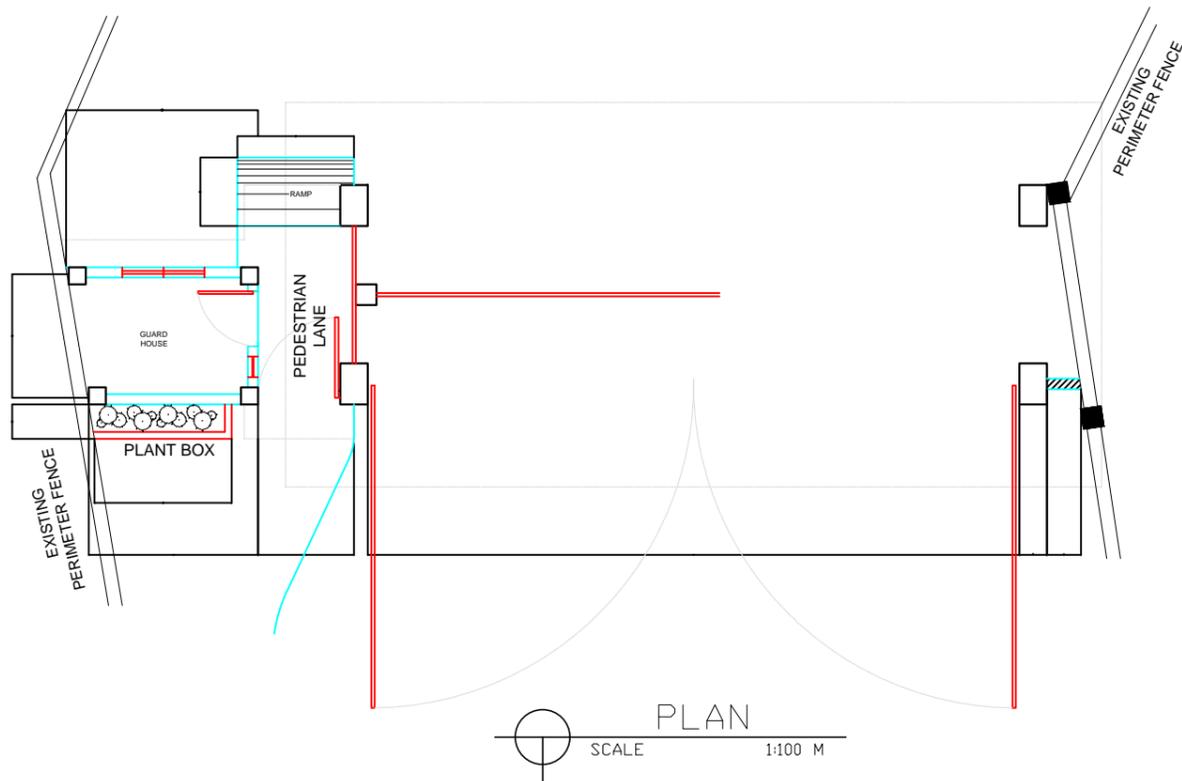
SUBMITTED BY:
EMERSON D. QUIAMBAO
Office Engineer

CHECKED / REVIEWED BY:
RONALD O. MATIBAG
Acting Principal Engineer A

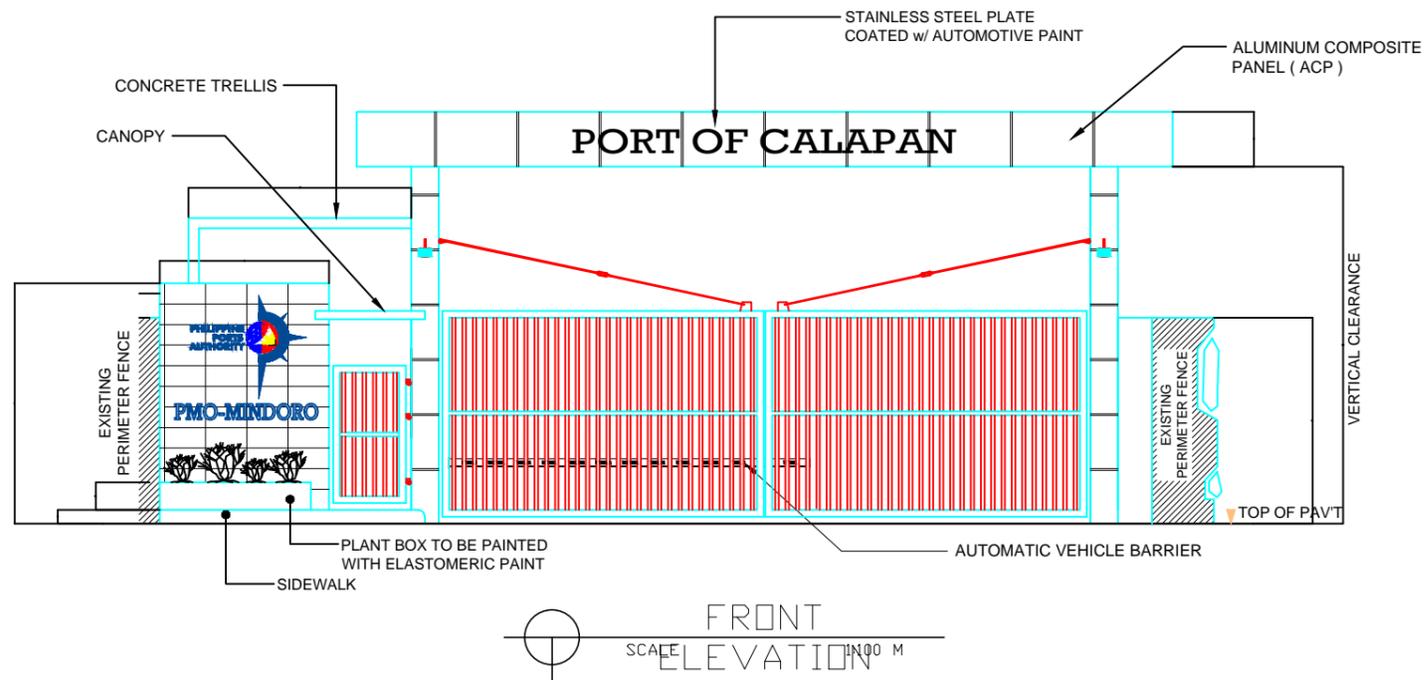
RECOMMENDING APPROVAL:
MARGARITO P. DIMAILIG
Acting Division Manager A, ESD

APPROVED :
ELVIS R. MEDALLA
Port Manager A

AS SHOWN
SHEET NO. 22 of 45
DATE : 04 OCT 2019



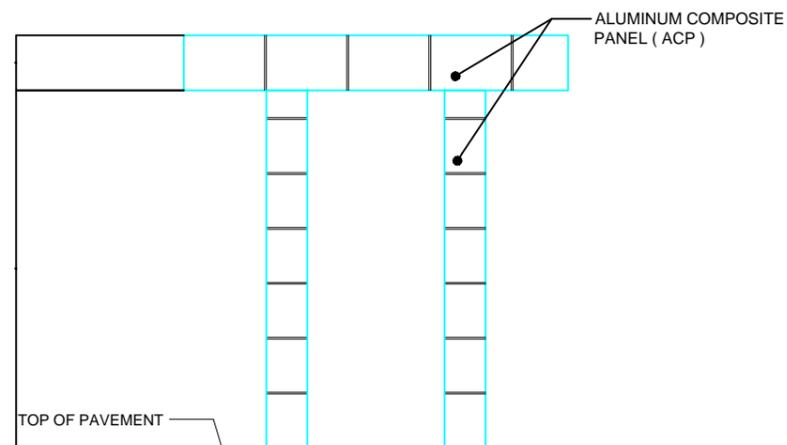
PERSPECTIVE VIEW



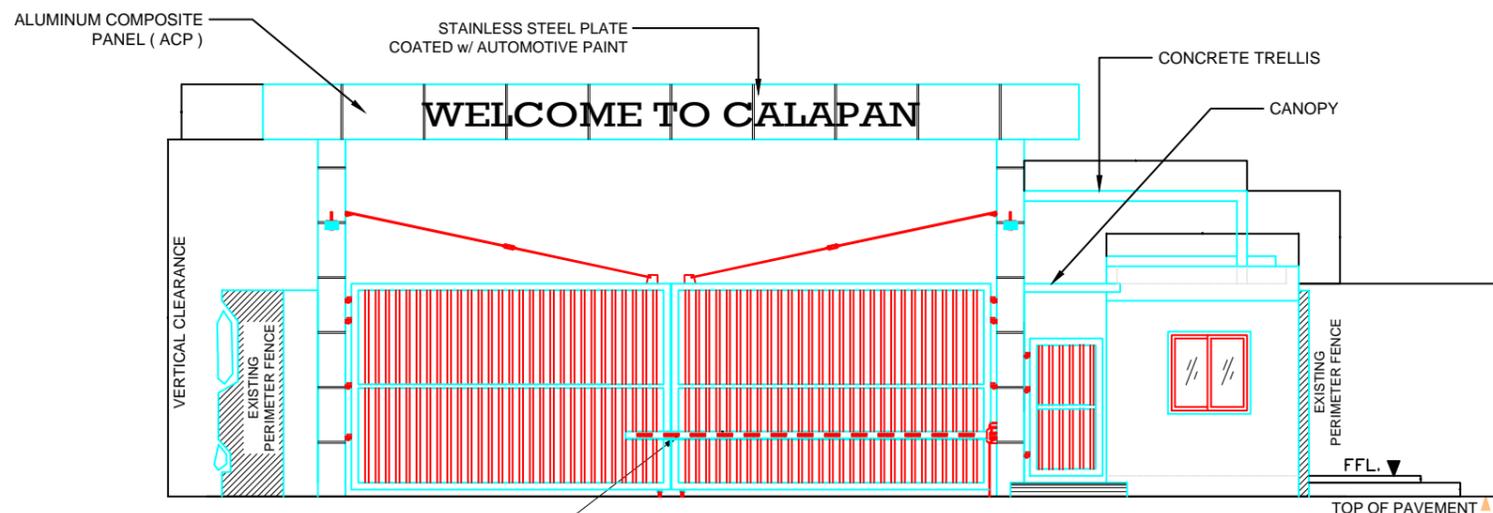
DETAIL OF STAINLESS STEEL PLATE
SCALE 1:50 M



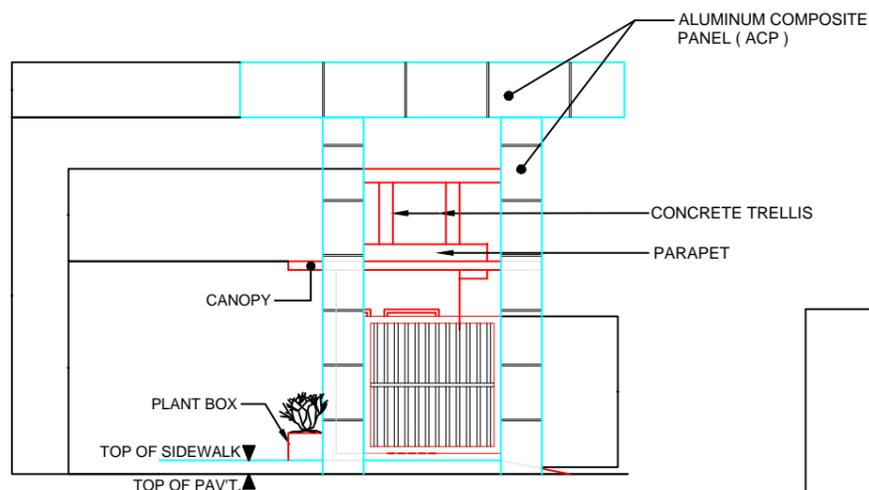
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED: ELVIS R. MEDALLA Port Manager A	AS SHOWN	SHEET NO. 23 of 45
						DATE: 04 OCT 2019



RIGHT ELEVATION
SCALE 1:100 M



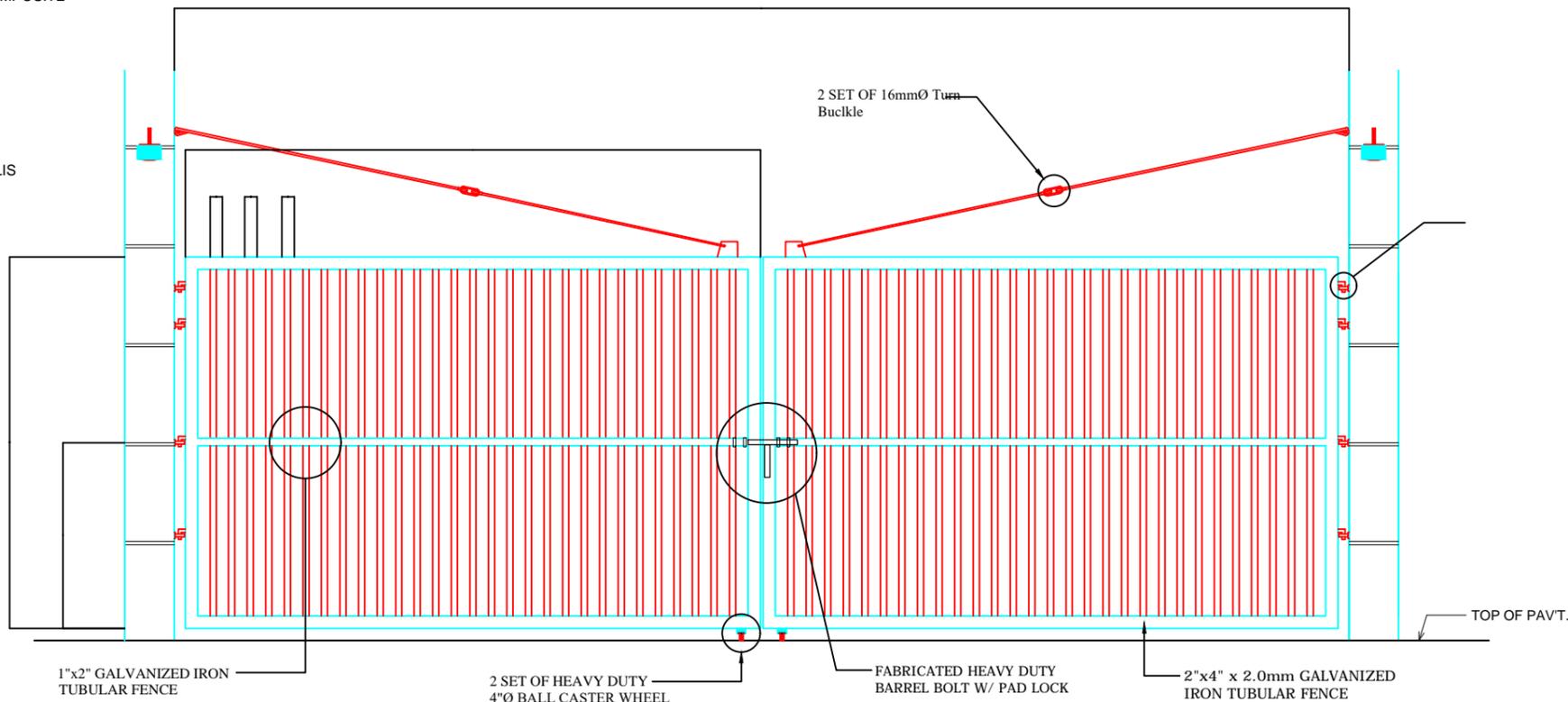
REAR ELEVATION
SCALE 1:100 M



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

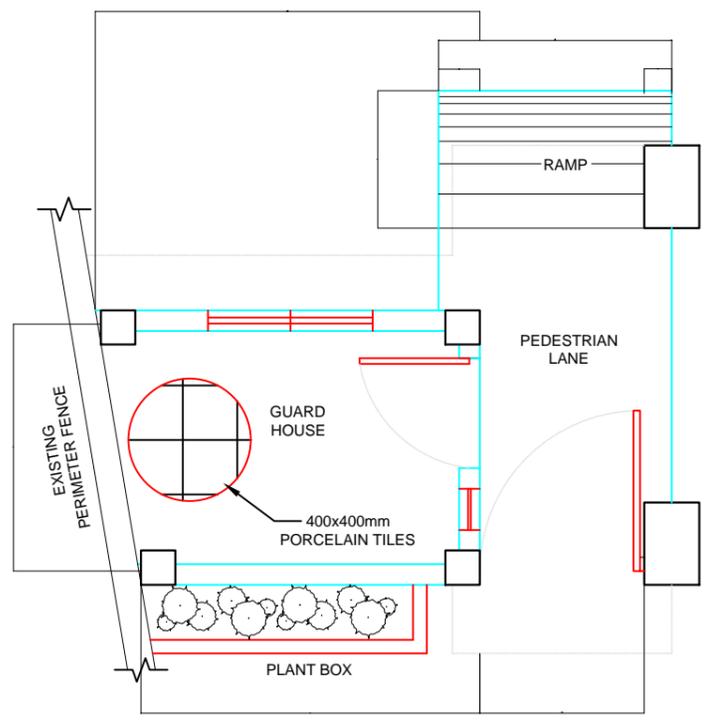
SHEET CONTENTS:

AS SHOWN

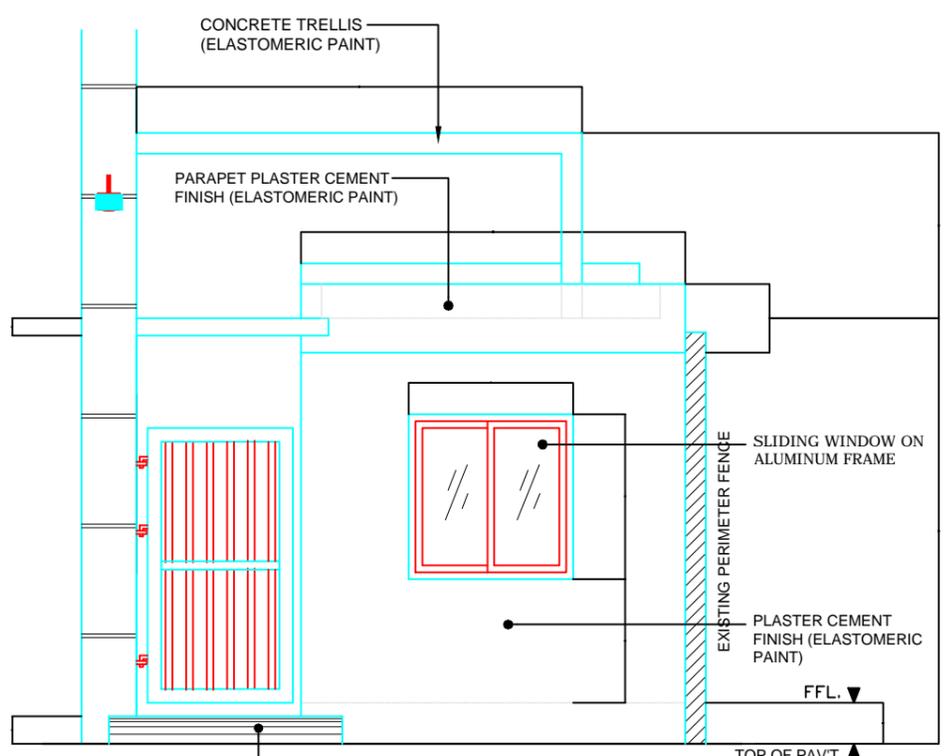
SCALE:
AS SHOWN

SHEET NO.
24 of 45

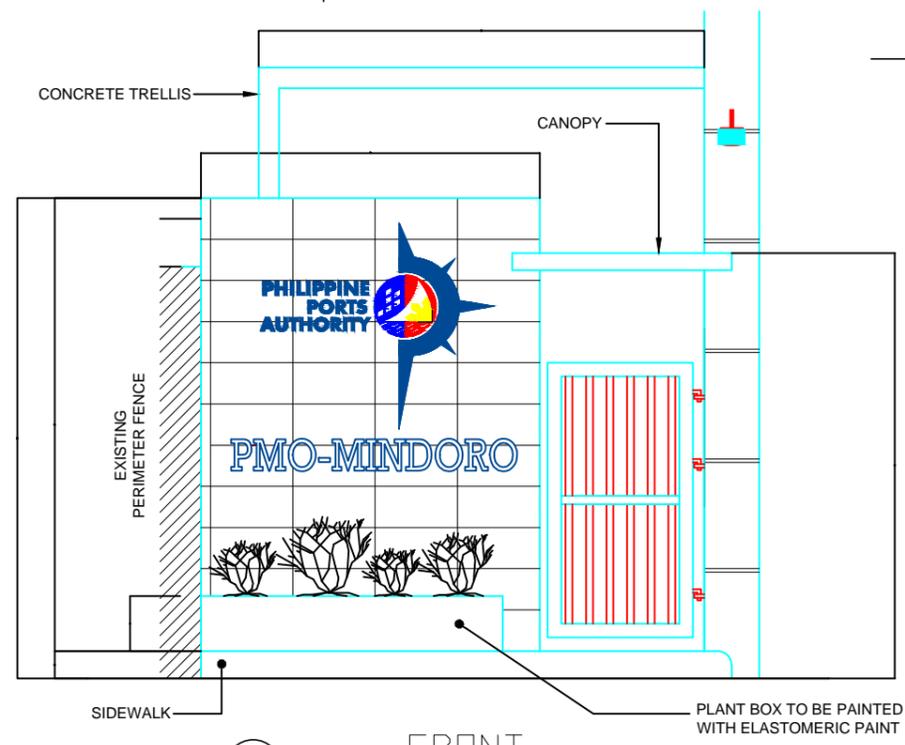
DATE:
04 OCT 2019



PLAN
SCALE 1:50 M

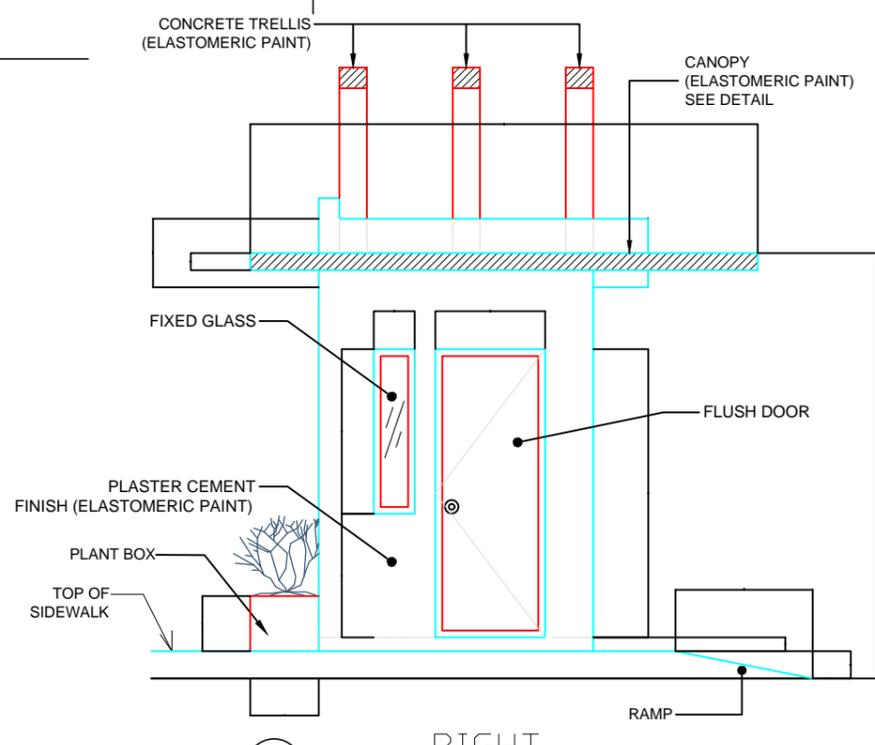


REAR ELEVATION
SCALE 1:50 M



FRONT ELEVATION
SCALE 1:50 M

GUARD HOUSE DETAIL



RIGHT ELEVATION
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

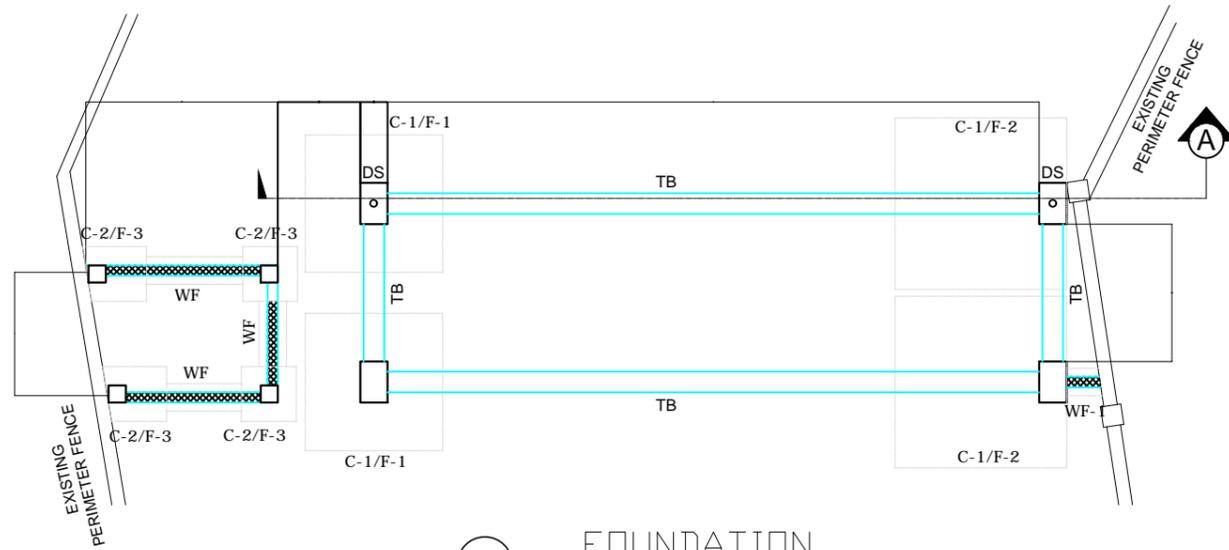
APPROVED :
ELVIS R. MEDALLA
Port Manager A

SHEET CONTENTS:
AS SHOWN

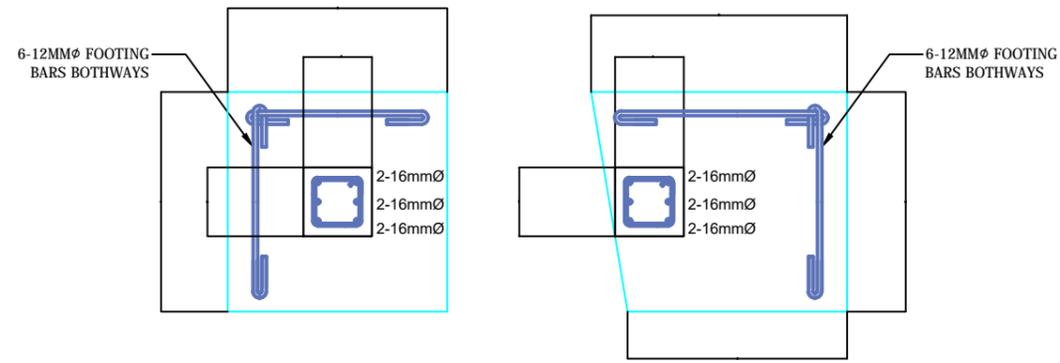
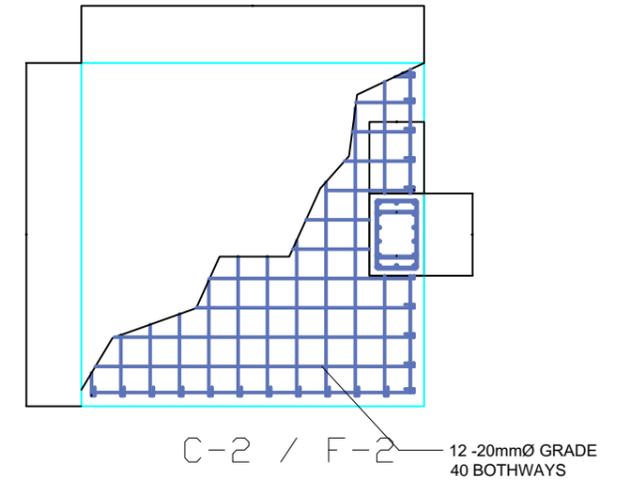
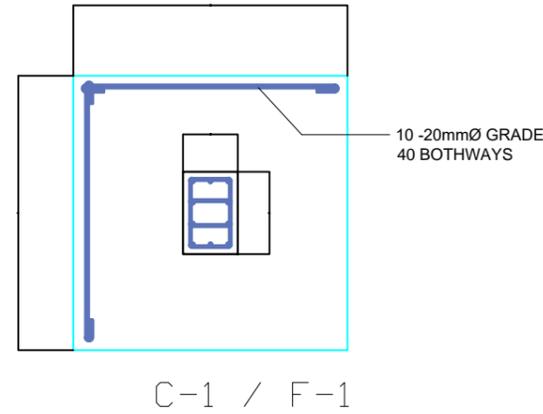
SCALE:
AS SHOWN

SHEET NO.
25 of 45

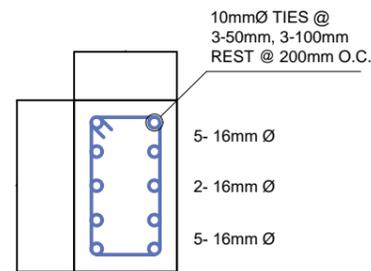
DATE :
04 OCT 2019



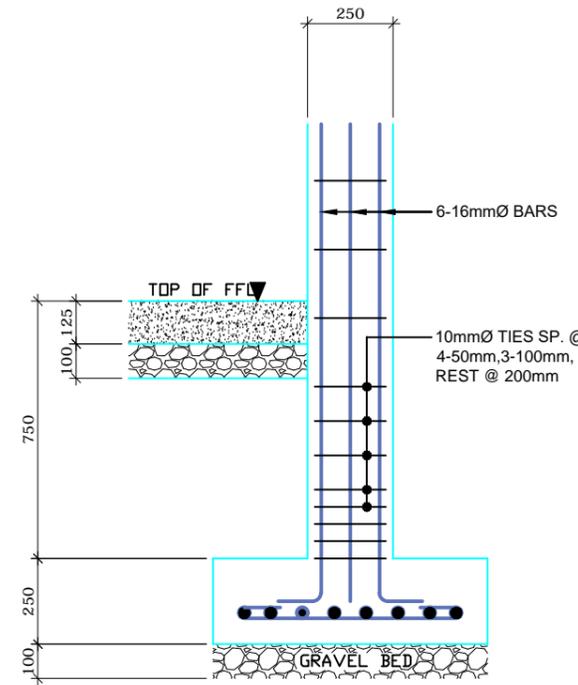
FOUNDATION PLAN
SCALE 1:100 M



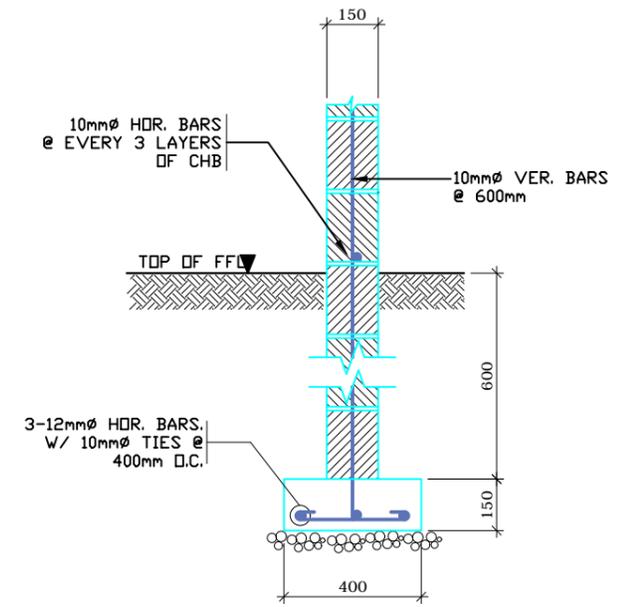
C-2 / F-3



TIE BEAM SECTION
SCALE 1:20 M



C-2 / F-3
SCALE 1:20 M



DETAIL OF WALL FOOTING
SCALE 1:20 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

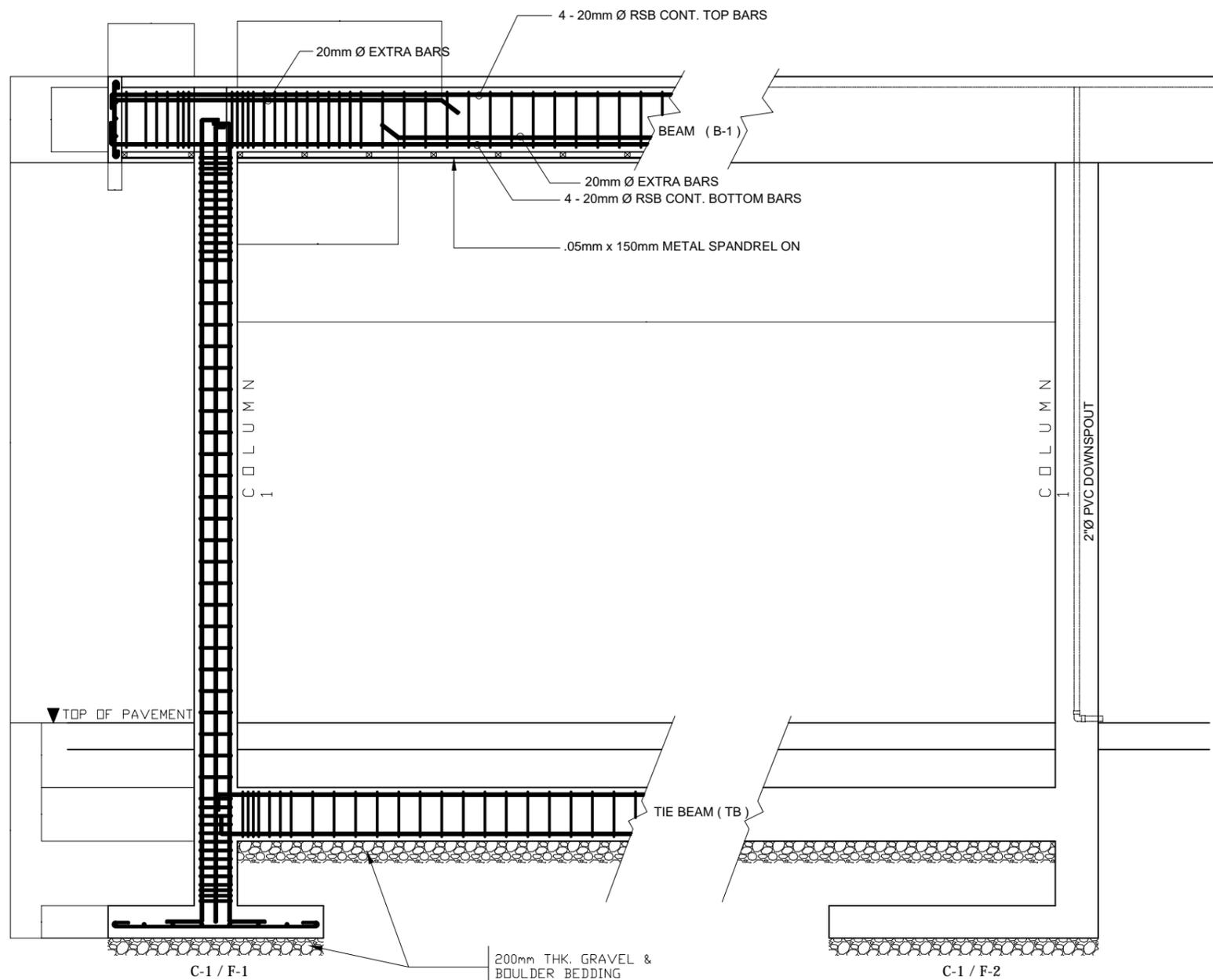
SUBMITTED BY:
EMERSON D. QUIAMBAO
Office Engineer

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. 26 of 45
DATE: 04 OCT 2019



SECTION THRU
SCALE "A" 1:50 M

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	2800mm	6-16mmØ	10mmØ LATERAL TIES AP. @ SEE COLUMN SECTION 4-50mm, 3-100mm, REST @ 200mm	

SCHEDULE OF FOOTINGS					
FOOTING MARK	FOOTING DIMENSION (m)				REINFORCEMENT
	LENGTH (L)	WIDTH (W)	Thickness (T)	Depth (D)	
F-1	2000	2000	300	2000	10 - 20mmØ GRADE 40 BOTHWAYS
F-2	2500	2500	300	2000	12 - 20mmØ GRADE 40 BOTHWAYS
F-3	800	800	250	1000	6 - 16mmØ GRADE 40 BOTHWAYS
WF		400	150	750	3-12mmØ HOR. BARS. W/ 10mmØ TIES @ 400mm O.C.

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.



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

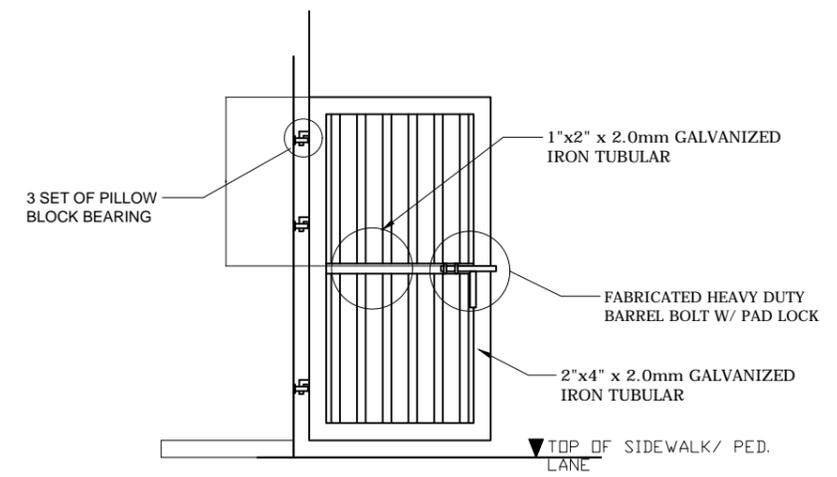
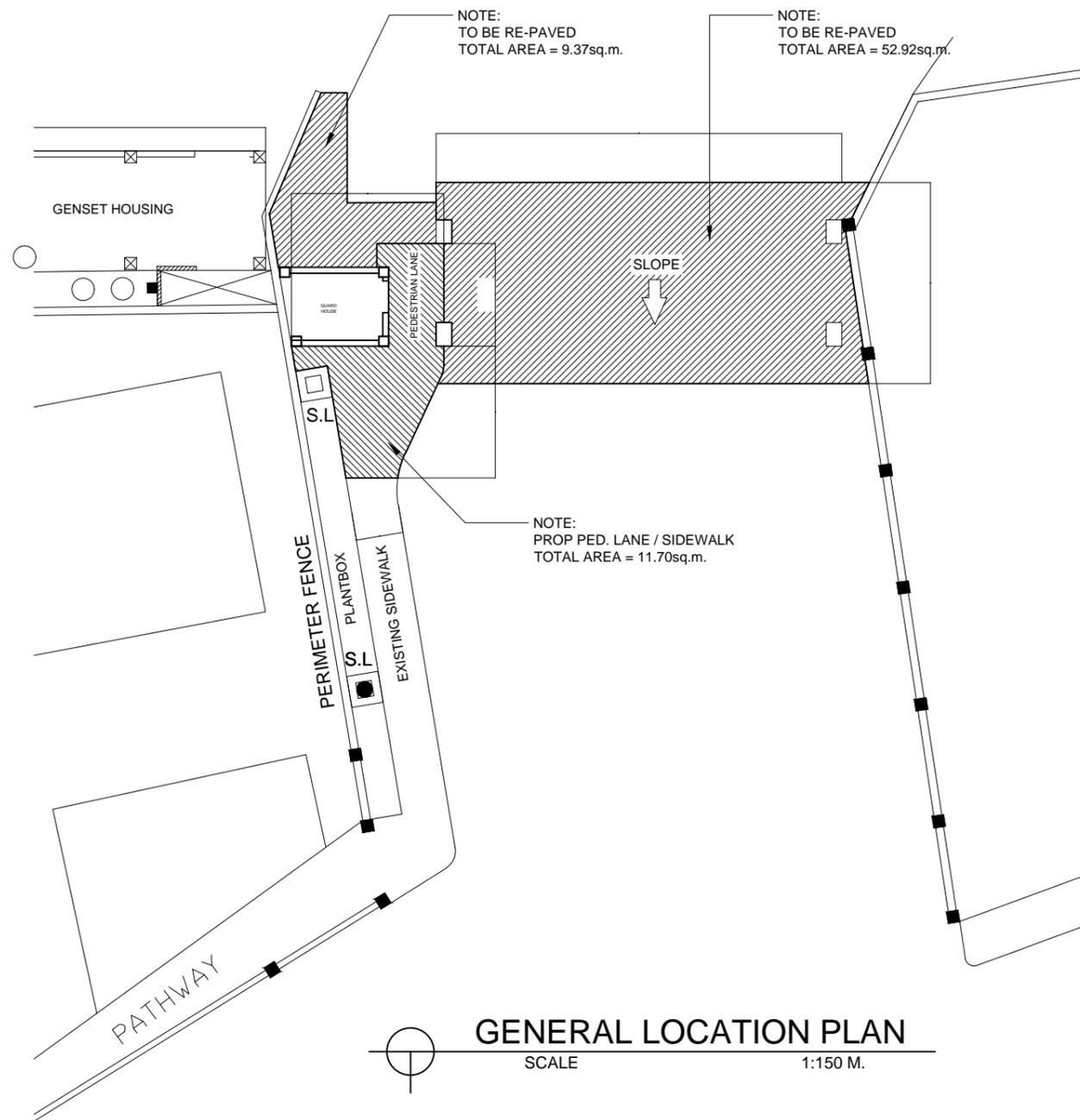
SHEET CONTENTS:

AS SHOWN

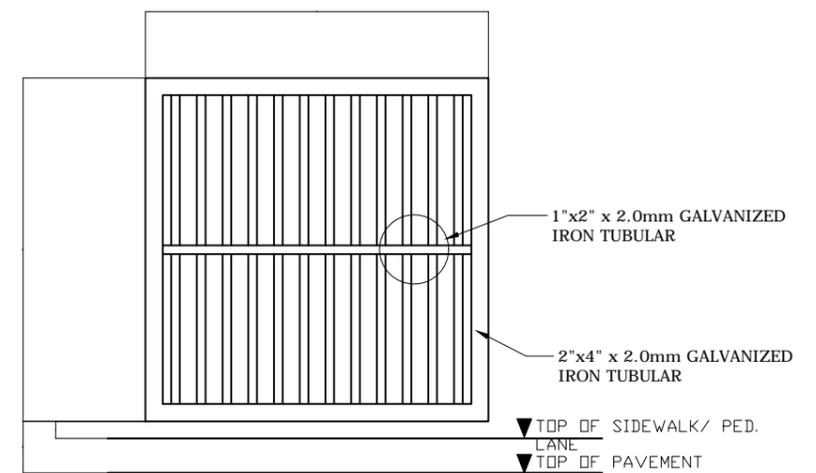
SCALE:
AS SHOWN

SHEET NO.
27 of 45

DATE :
04 OCT 2019



PEDESTRIAN GATE
SCALE 1:40 M



G.I. TUBULAR FENCE
SCALE 1:40 M

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

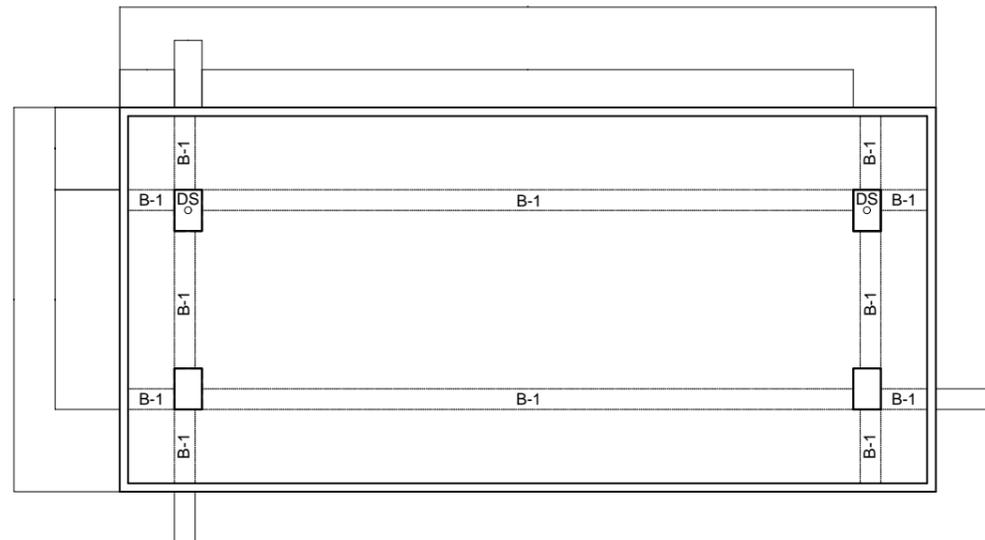
SHEET CONTENTS:

AS SHOWN

SCALE:
AS SHOWN

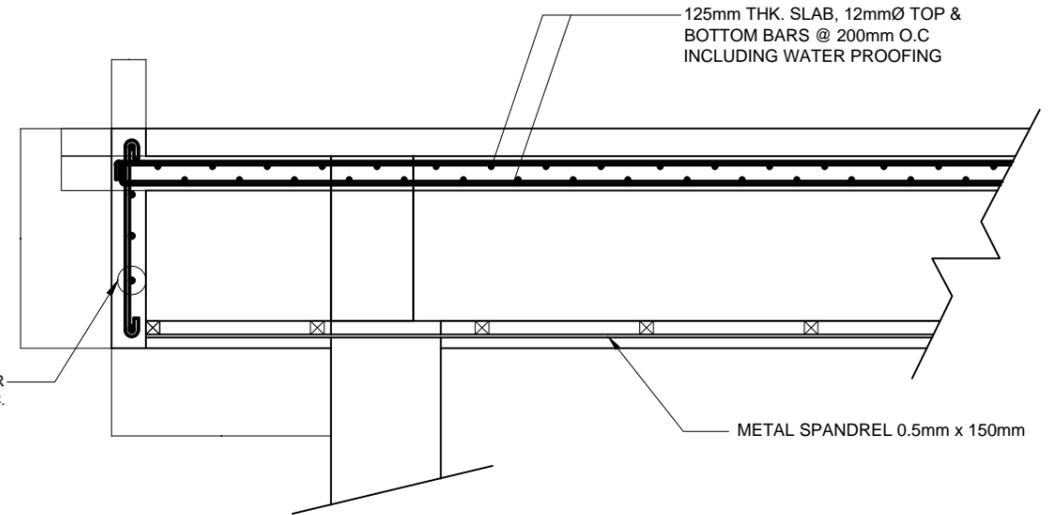
SHEET NO.
28 of 45

DATE :
04 OCT 2019

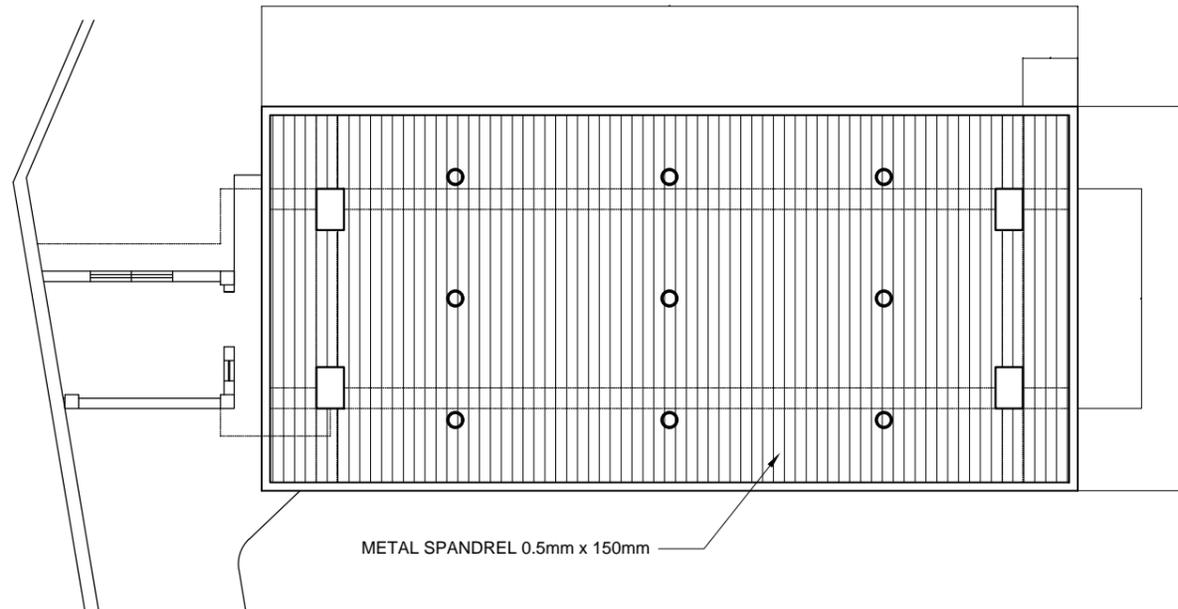


ROOF DECK FRAMING PLAN
SCALE 1:100 M

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

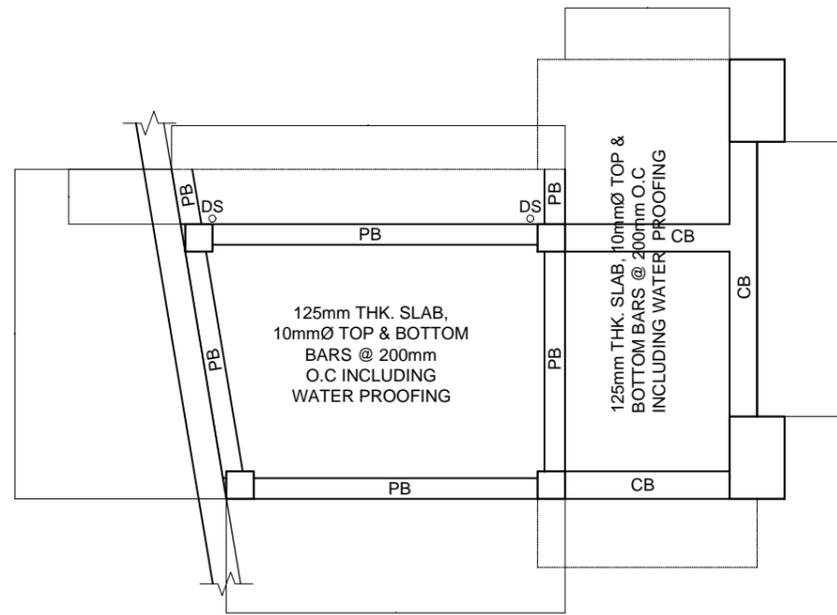
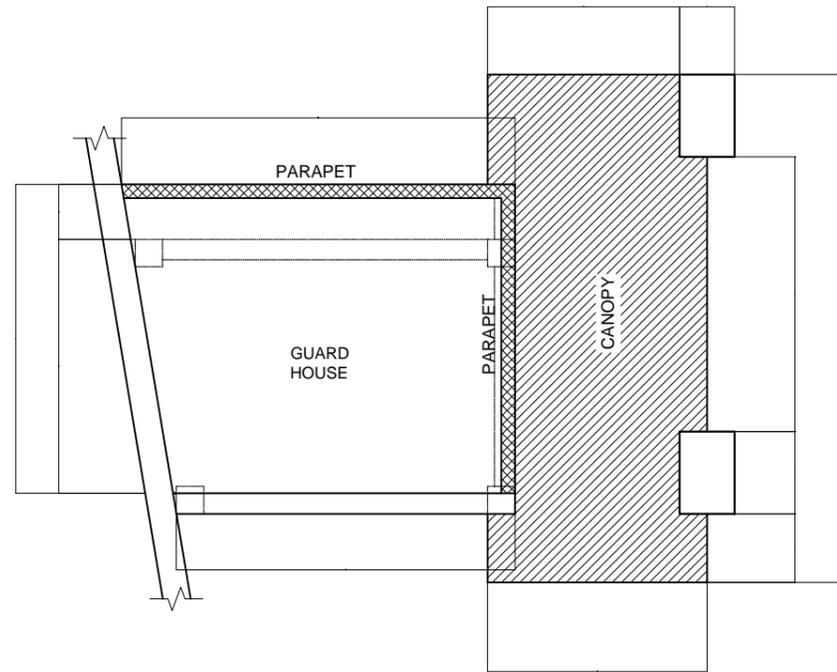
SHEET CONTENTS:

AS SHOWN

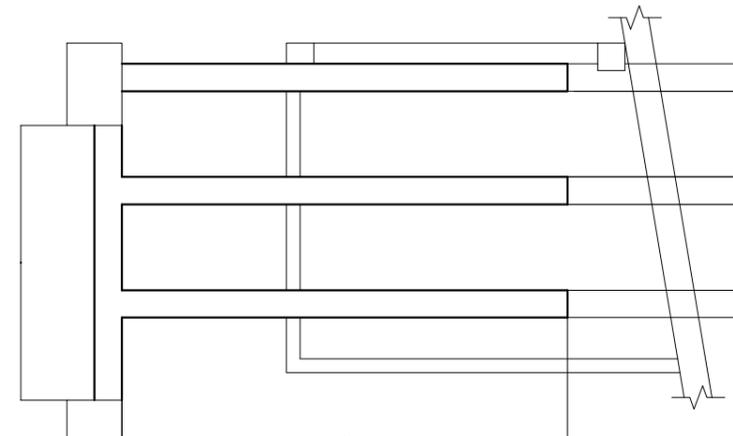
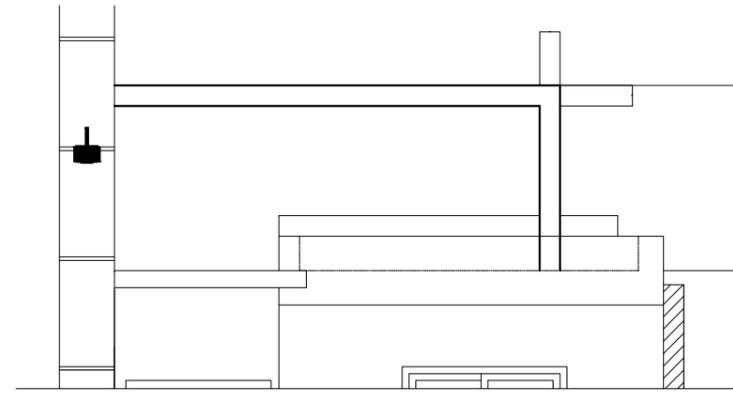
SCALE:
AS SHOWN

SHEET NO.
29 of 45

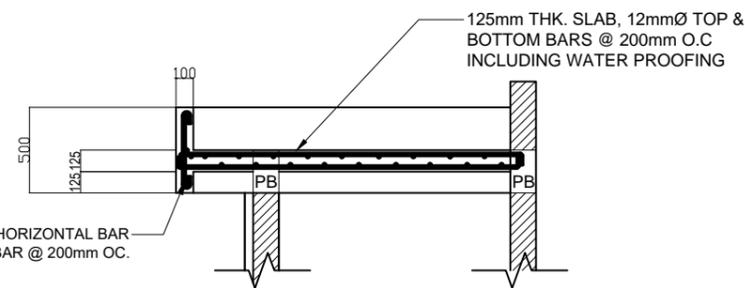
DATE :
04 OCT 2019



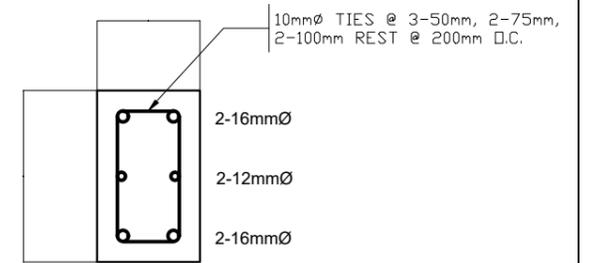
GUARD HOUSE ROOF BEAM PLAN
SCALE 1:50 M



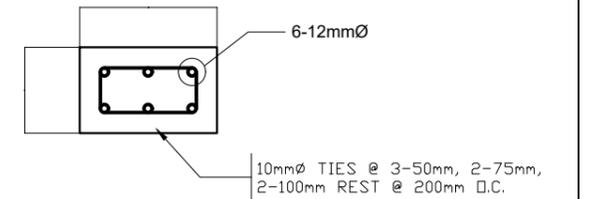
CONCRETE TRELLIS DETAIL
SCALE 1:50 M



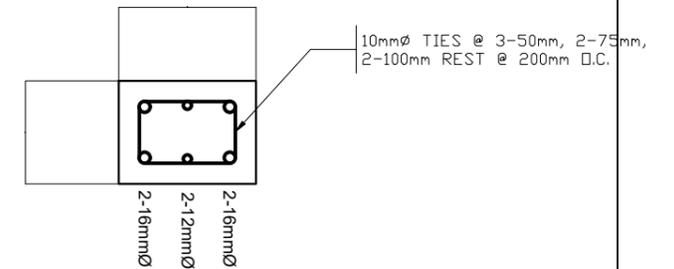
GUARD HOUSE SLAB SECTION DETAIL
SCALE 1:40 M



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

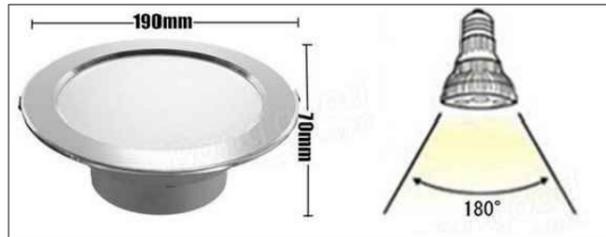
APPROVED:
ELVIS R. MEDALLA
Port Manager A

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN

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:



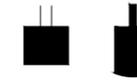
SPECIFICATIONS:

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:

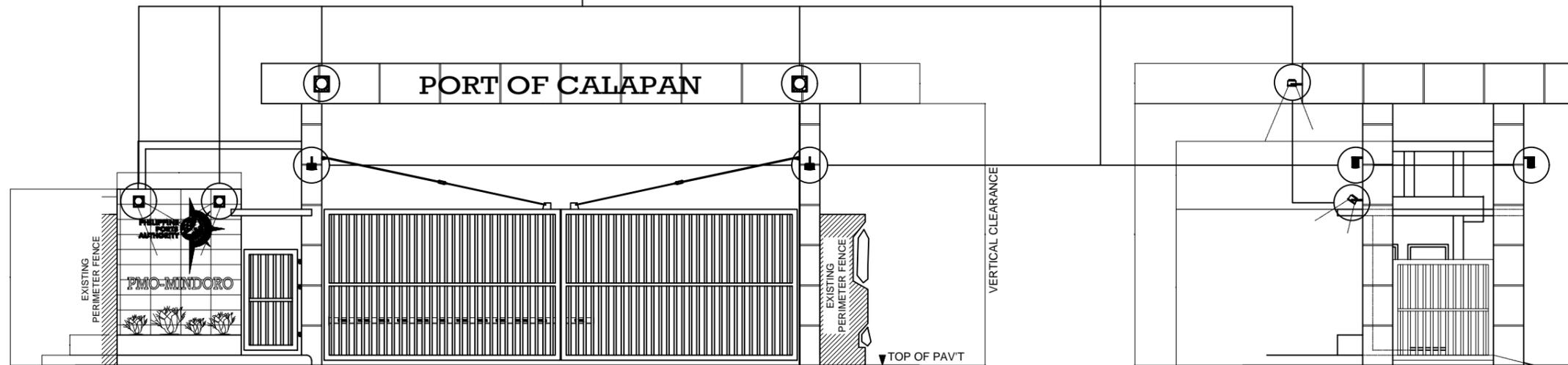


SPECIFICATIONS:

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

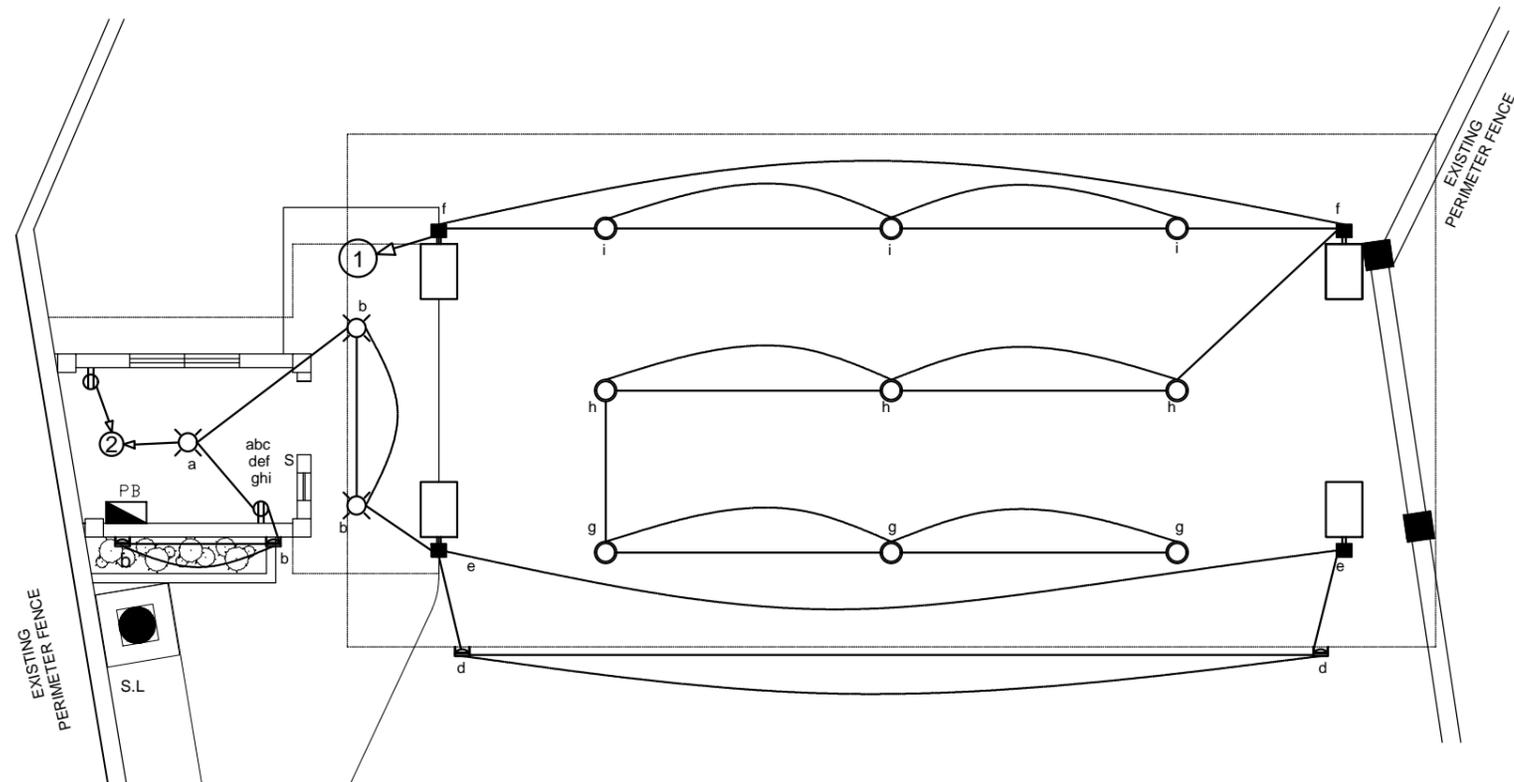
SHEET CONTENTS:

AS SHOWN

SCALE:
 AS SHOWN

SHEET NO.
 31 of 45

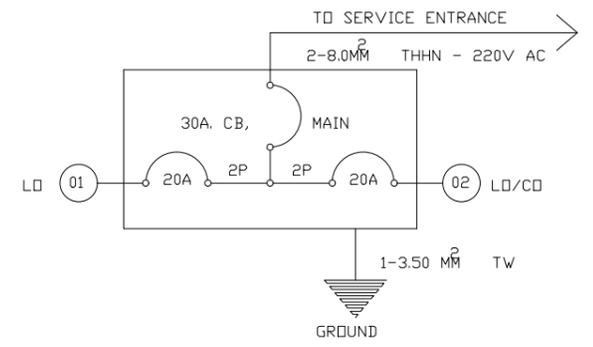
DATE :
 04 OCT 2019



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, holder & driver
- S_{abc} 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
- ▭ 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 ² (THHN)	CONDUIT SIZE MM ² 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				

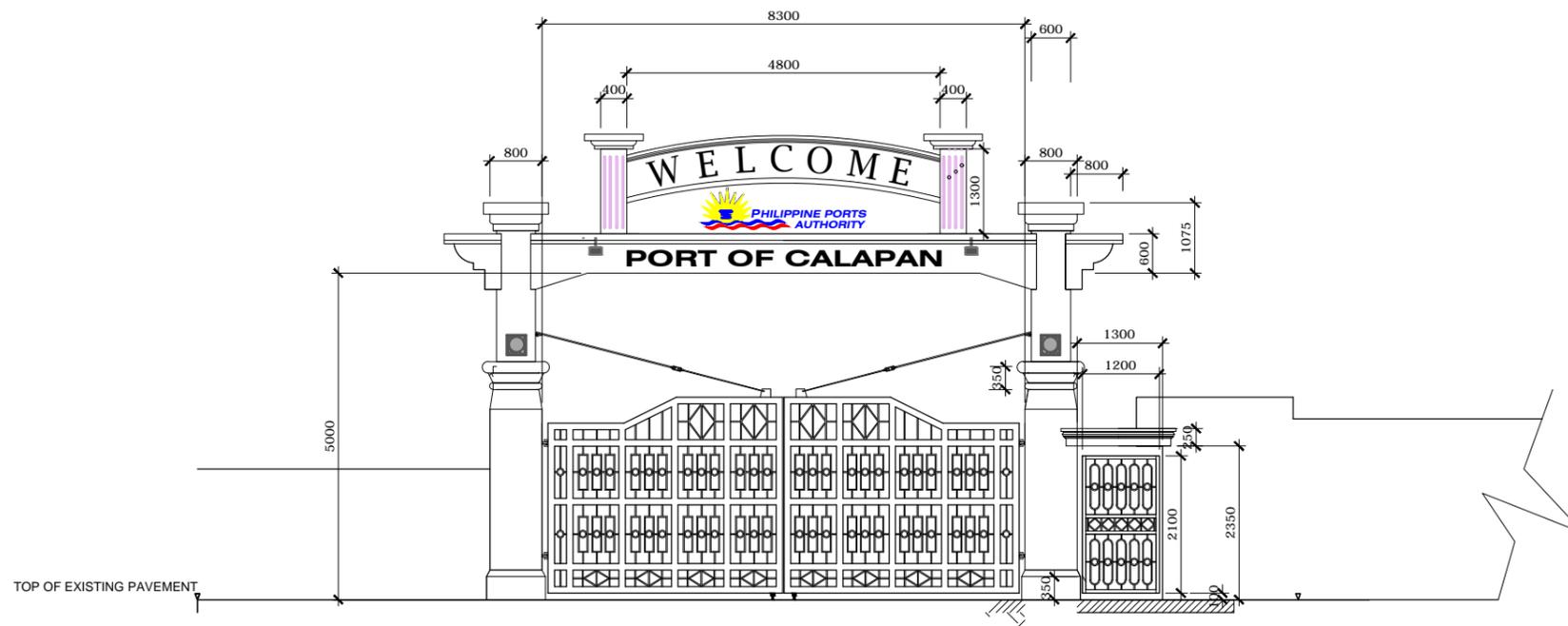
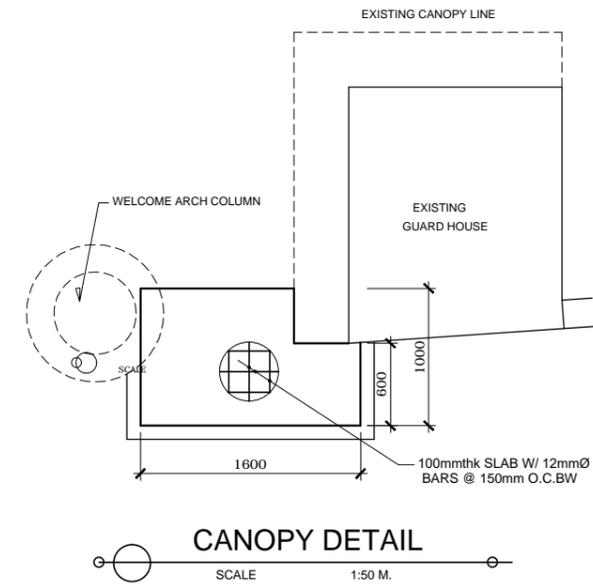
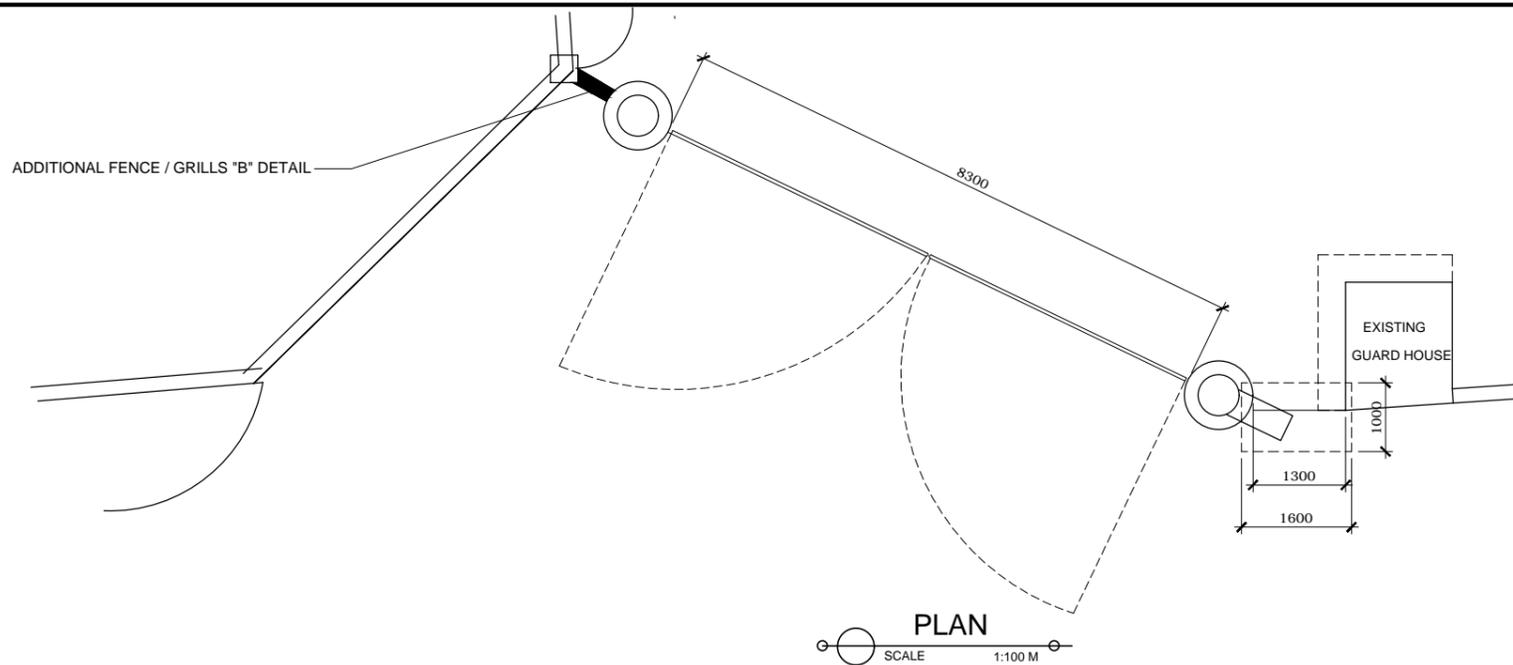
PROTECTION : 20A - CB, 2P, 60HTZ, 220V; SINGLE PHASE
 USE : 2-8.0MM THHN; 1-3.50MM TW, GROUND, Ø 25MM RSC

LOAD SCHEDULE
SCALE NTS.

NOTE:
 CONDUIT SIZE:
 NOMINAL SIZE: (OUTSIDE DIAMETER)
 USE: 20mm (1/2") > PVC
 25mm (3/4") >



PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS: AS SHOWN	SCALE: AS SHOWN
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	AS SHOWN	SHEET NO. 32 of 45
						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

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN

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

AS SHOWN
SHEET NO. 33 of 45
DATE : 04 OCT 2019



PERSPECTIVE
GATE - 3



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

SHEET CONTENTS: SCALE:
AS SHOWN AS SHOWN

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

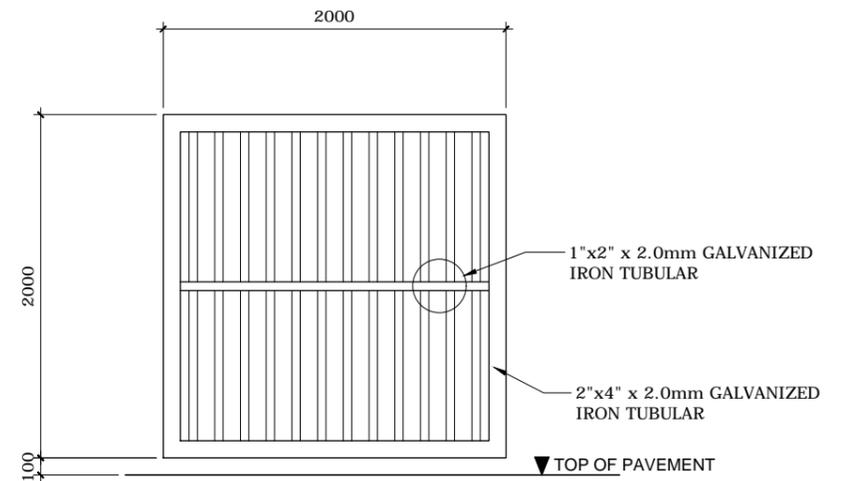
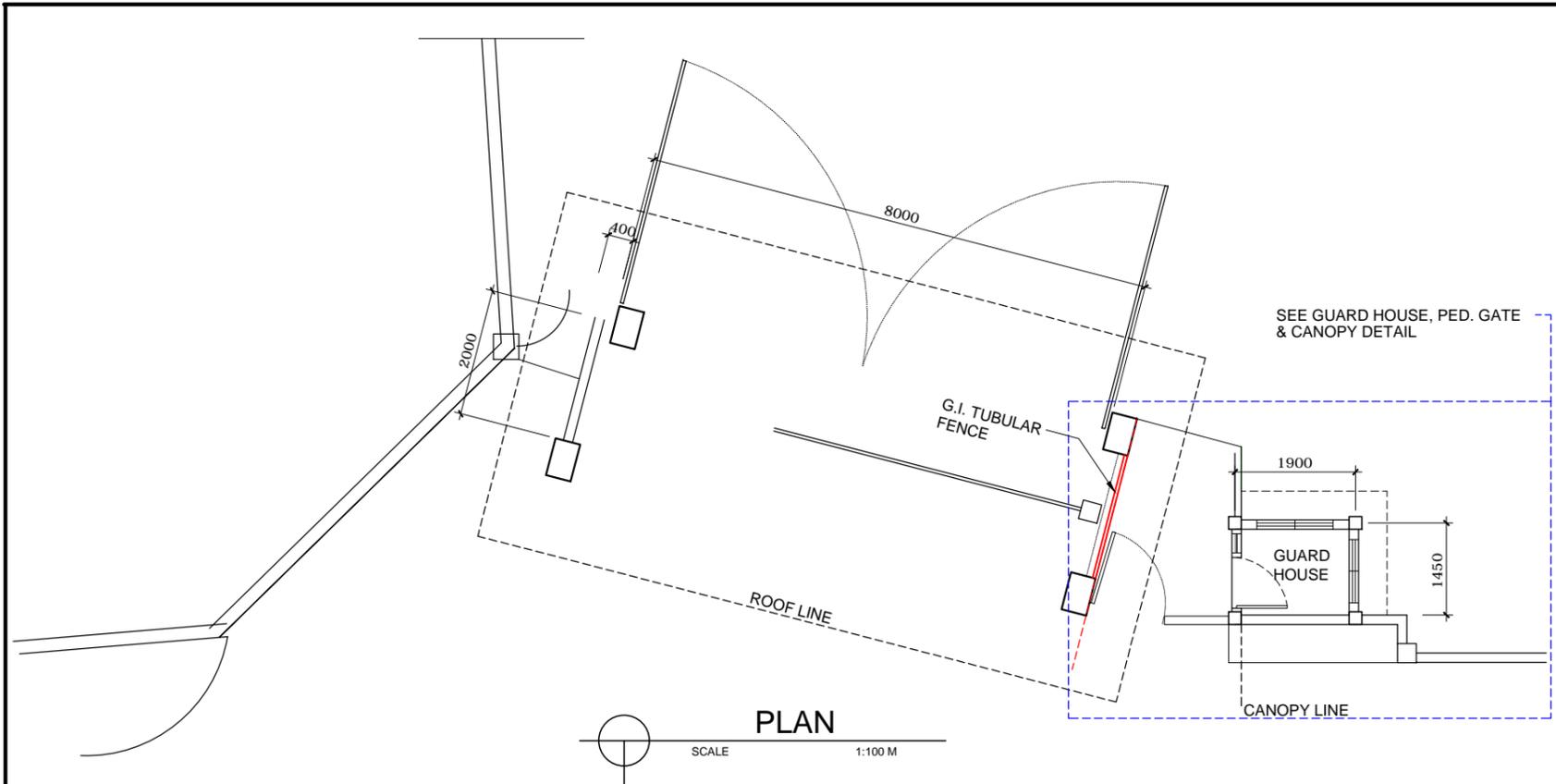
APPROVED :

ELVIS R. MEDALLA
Port Manager A

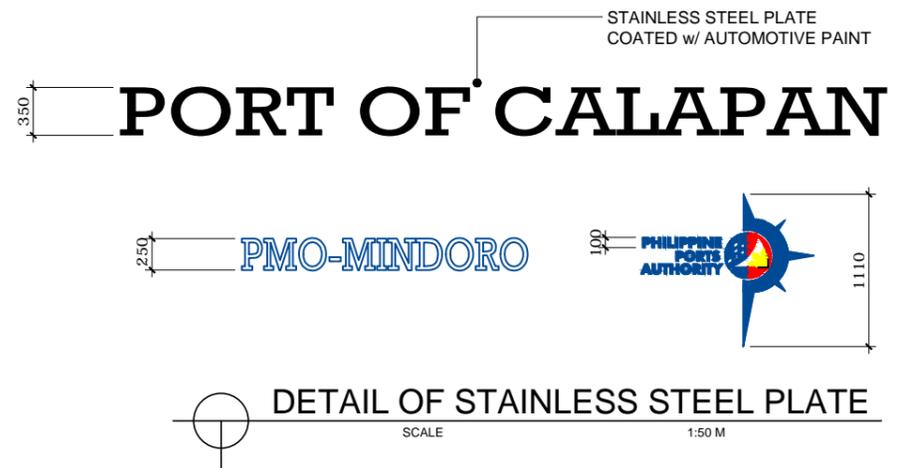
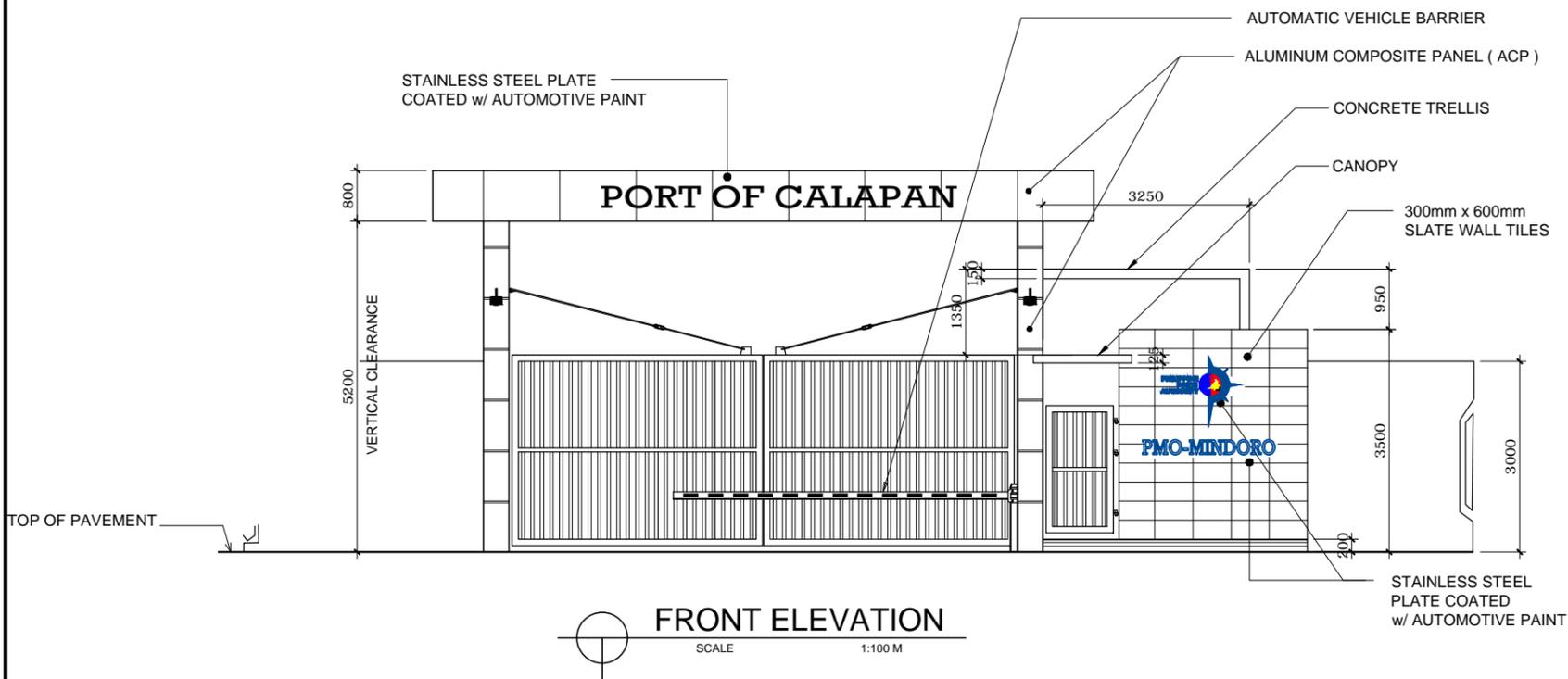
AS SHOWN

SHEET NO.
34 of 45

DATE :
04 OCT 2019



G.I. TUBULAR FENCE 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

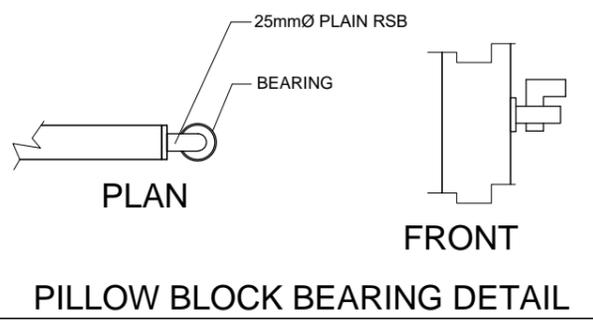
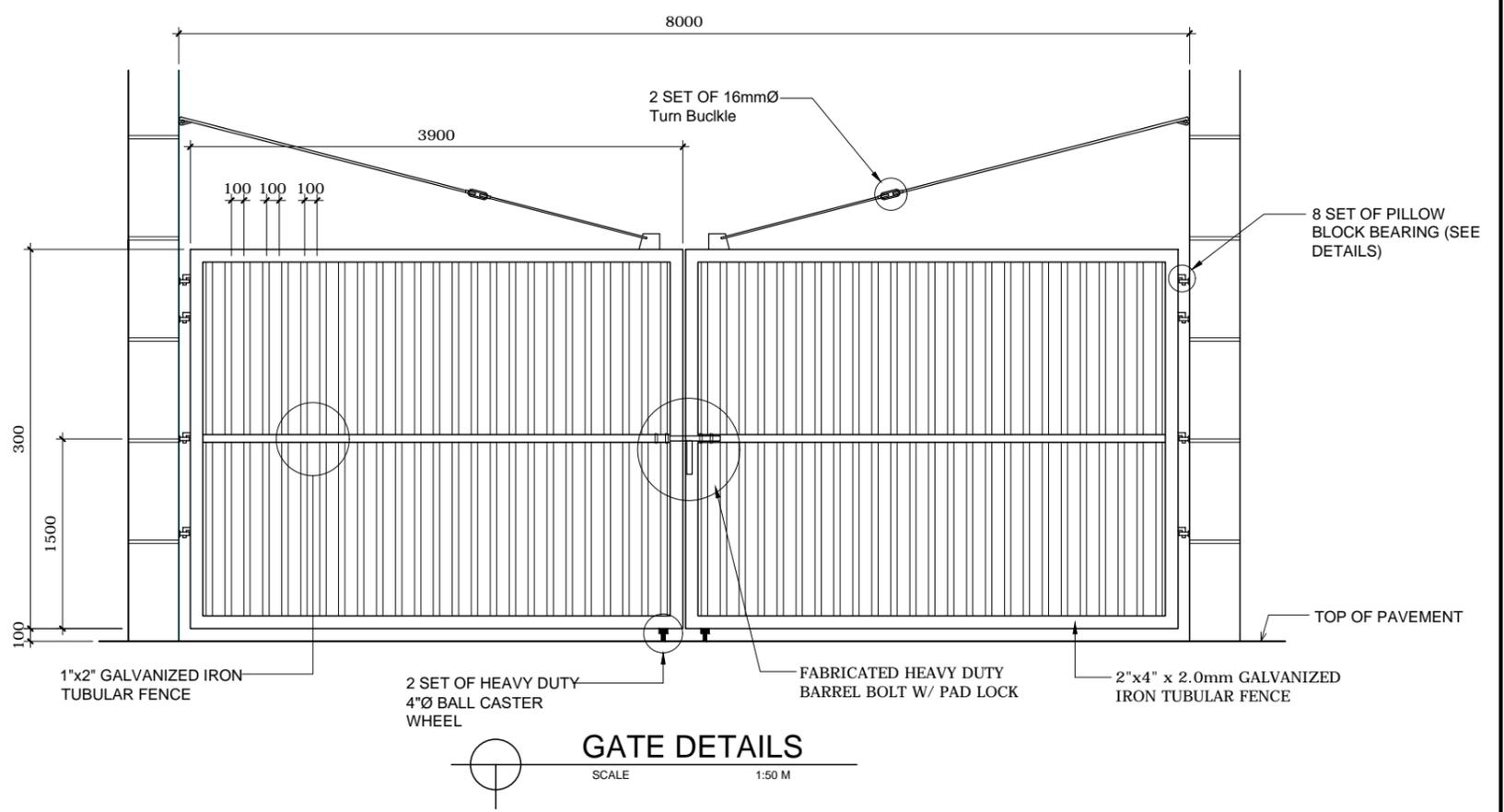
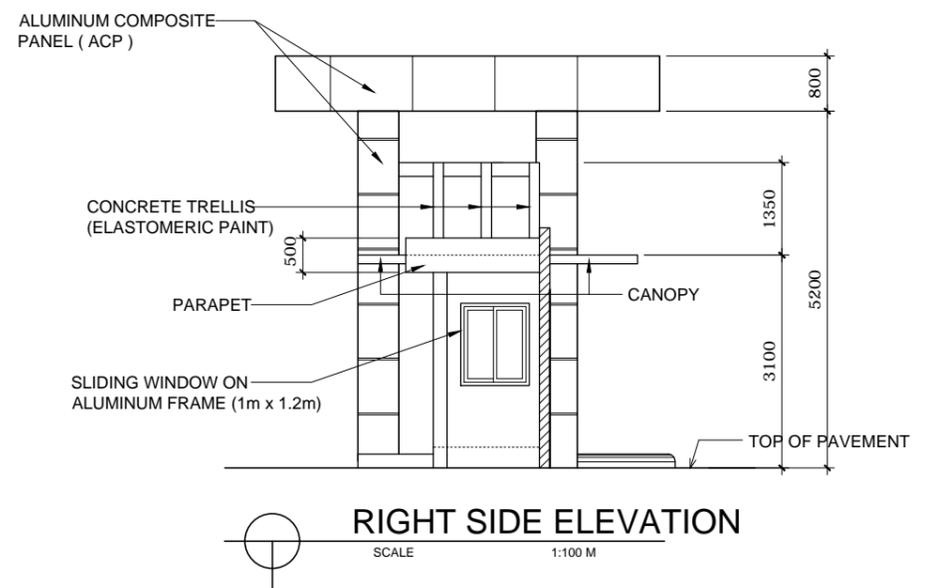
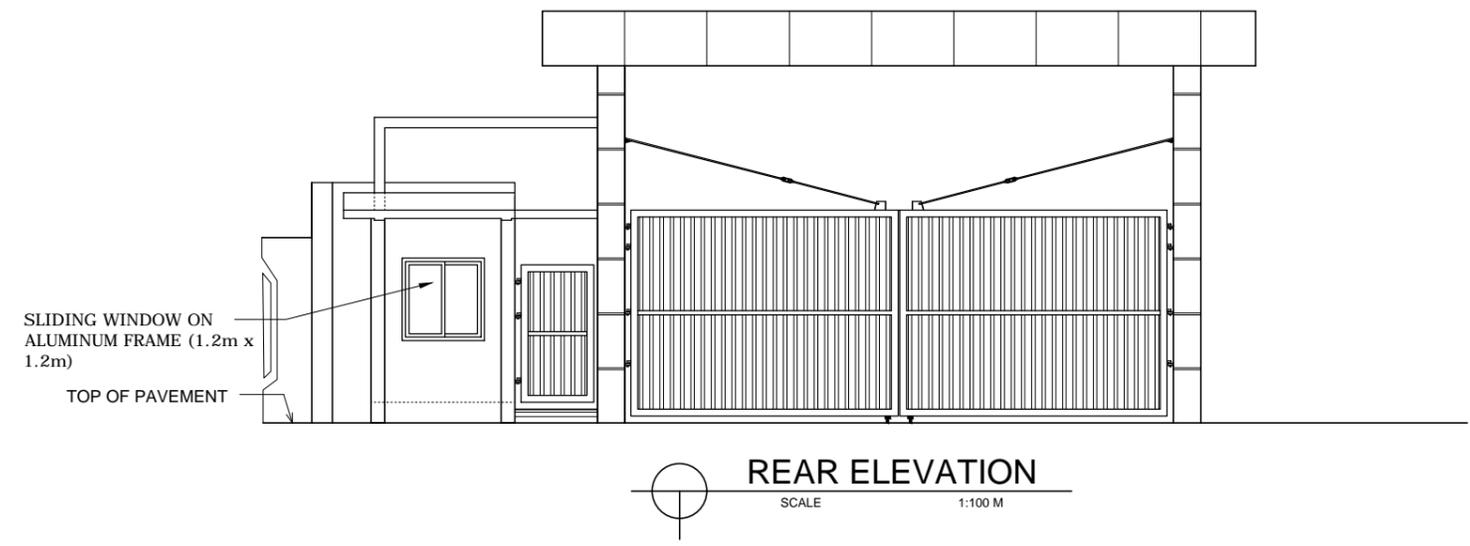
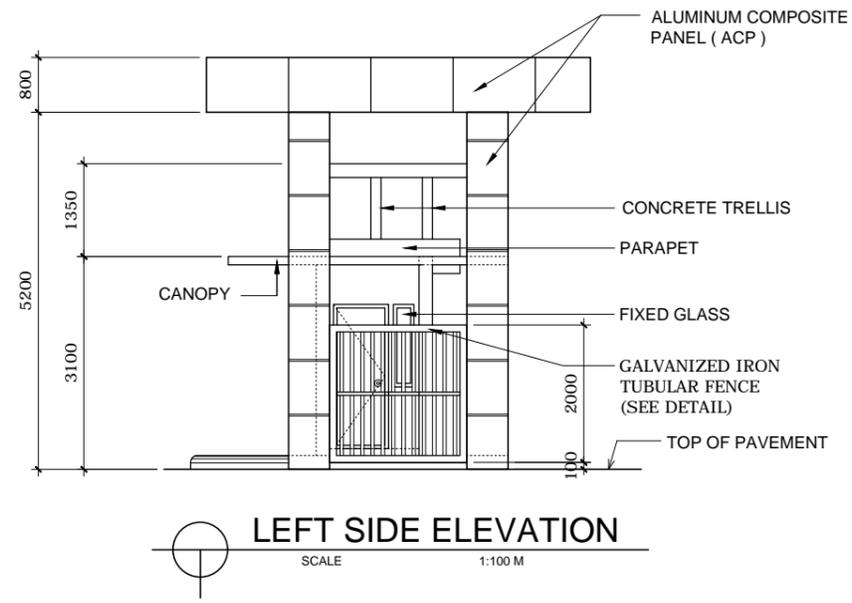
APPROVED :
ELVIS R. MEDALLA
Port Manager A

SHEET CONTENTS: AS SHOWN

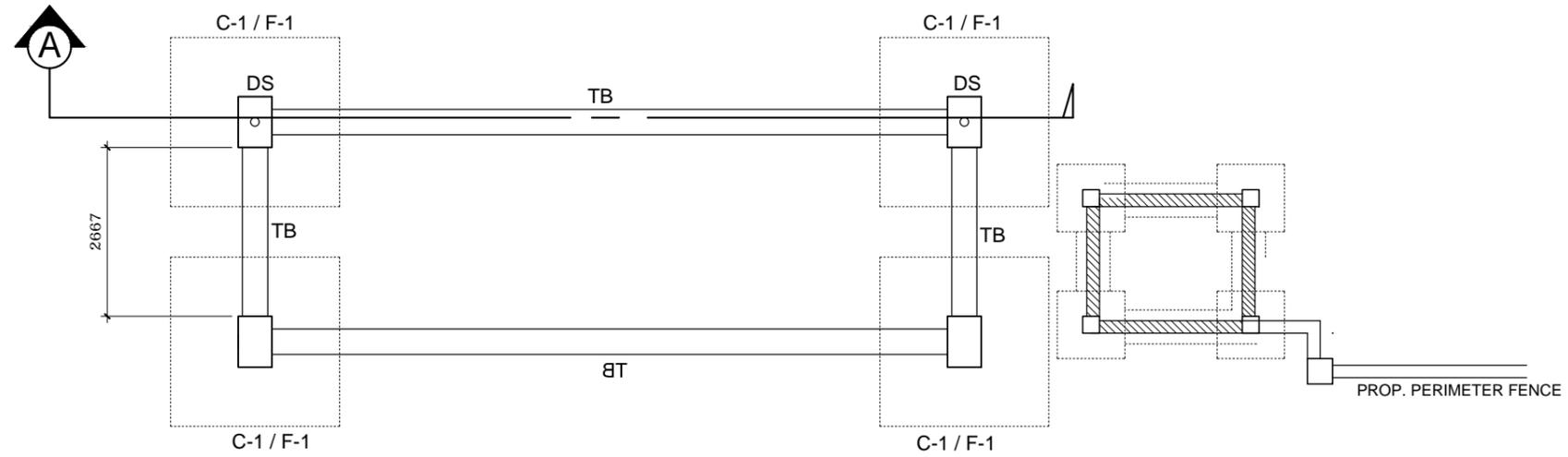
SCALE: AS SHOWN

SHEET NO. 35 of 45

DATE : 04 OCT 2019

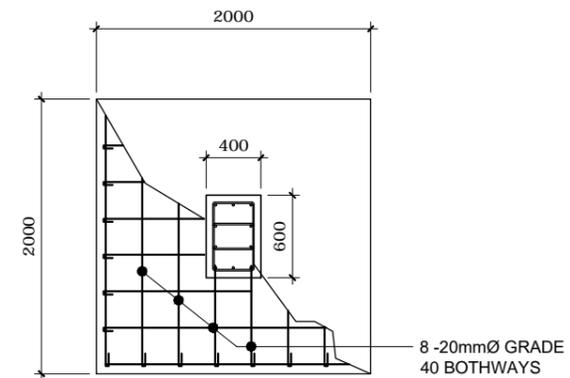


PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS:	SCALE: AS SHOWN
PREPARED BY: FERNANDO J. GALVEZO Engineering Assistant A	SUBMITTED BY: EMERSON D. QUIAMBAO Office Engineer	CHECKED / REVIEWED BY: RONALD O. MATIBAG Acting Principal Engineer A	RECOMMENDING APPROVAL: MARGARITO P. DIMAILIG Acting Division Manager A, ESD	APPROVED: ELVIS R. MEDALLA Port Manager A	AS SHOWN	SHEET NO. 36 of 45
						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

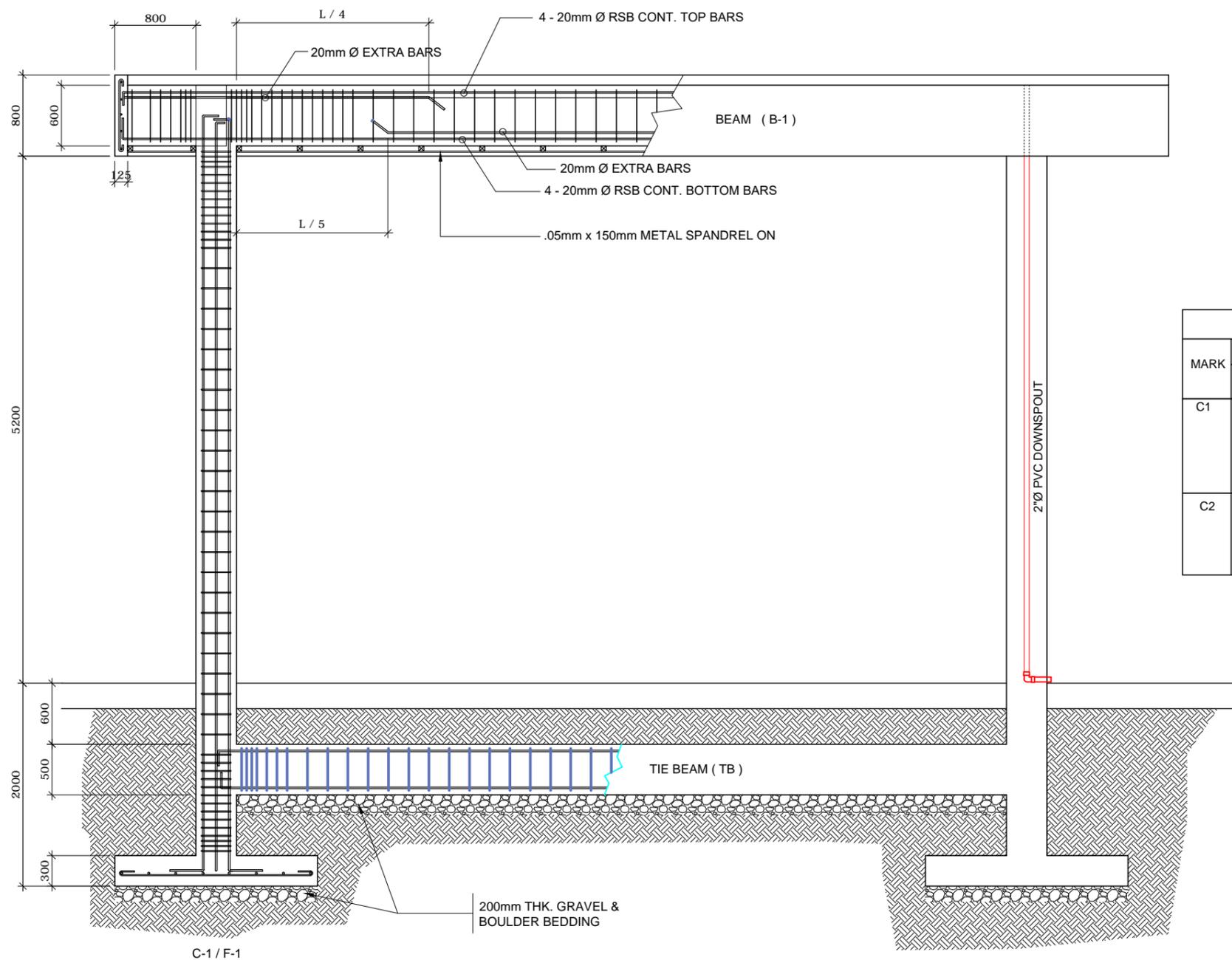
SHEET CONTENTS:

AS SHOWN

SCALE:
AS SHOWN

SHEET NO.
37 of 45

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	

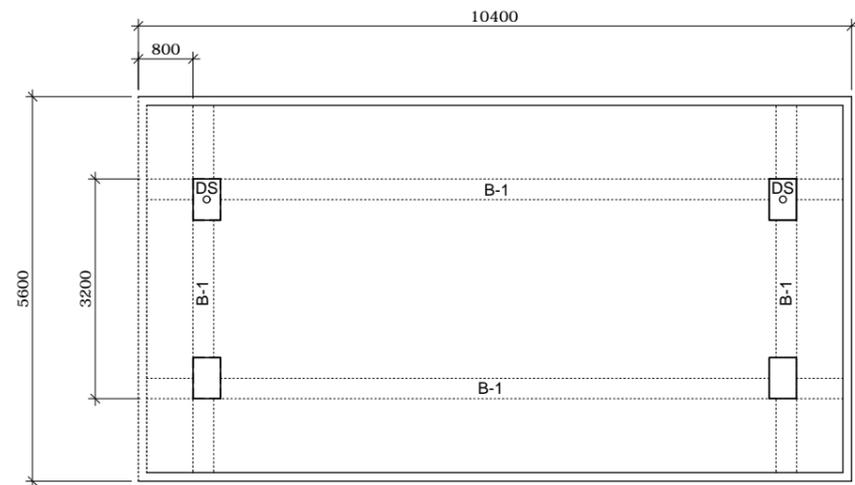


TIE BEAM SECTION
SCALE 1:30 M

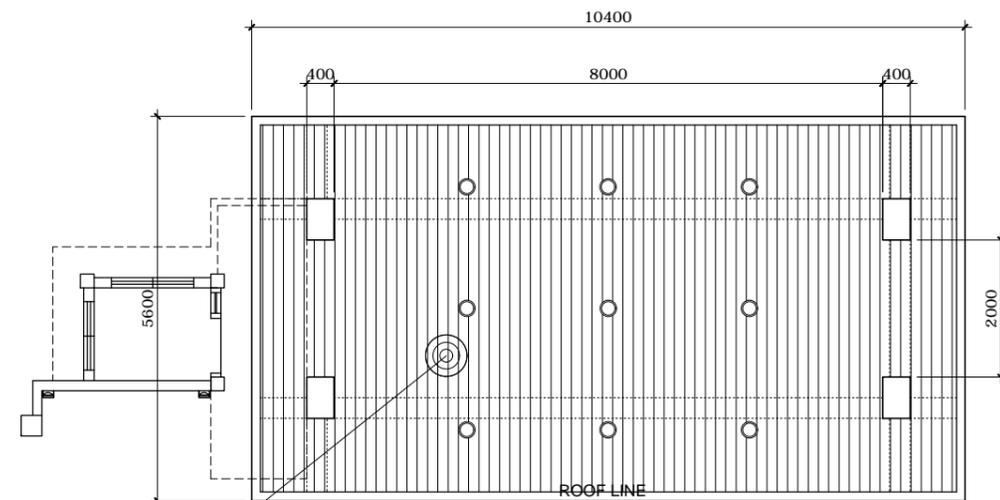
SECTION THRU "A"
SCALE 1:50 M



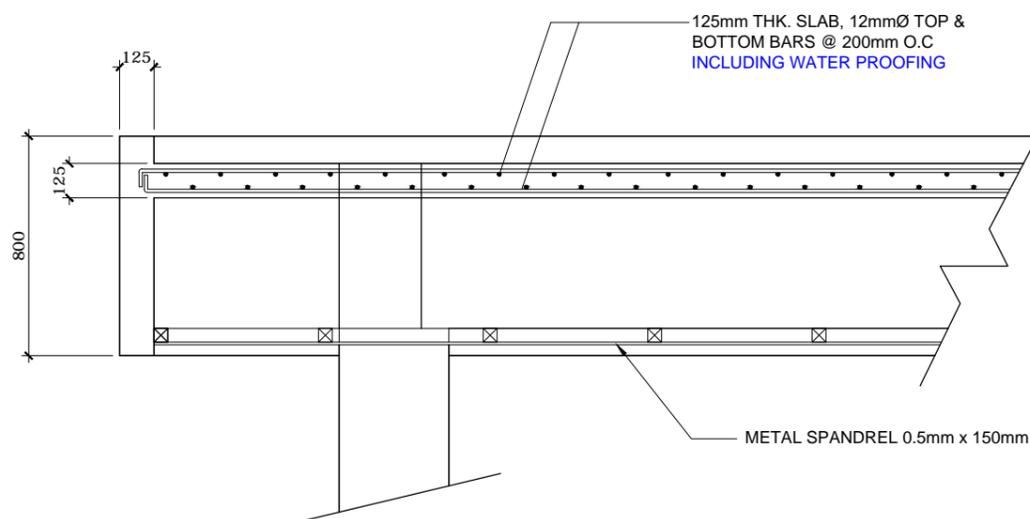
PROJECT TITLE: REPAIR OF COVERED WALK, FENCE, GATE AND GUARD HOUSE PORT OF CALAPAN, ORIENTAL MINDORO					SHEET CONTENTS:	SCALE: AS SHOWN
PREPARED BY: <u>FERNANDO J. GALVEZO</u> Engineering Assistant A	SUBMITTED BY: <u>EMERSON D. QUIAMBAO</u> Office Engineer	CHECKED / REVIEWED BY: <u>RONALD O. MATIBAG</u> Acting Principal Engineer A	RECOMMENDING APPROVAL: <u>MARGARITO P. DIMAILIG</u> Acting Division Manager A, ESD	APPROVED: <u>ELVIS R. MEDALLA</u> Port Manager A	AS SHOWN	SHEET NO. 38 of 45
						DATE: 04 OCT 2019



ROOF DECK FRAMING PLAN
SCALE 1:100 M



REFLECTED CEILING PLAN
SCALE 1:60 M



SLAB SECTION DETAIL
SCALE 1:25 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

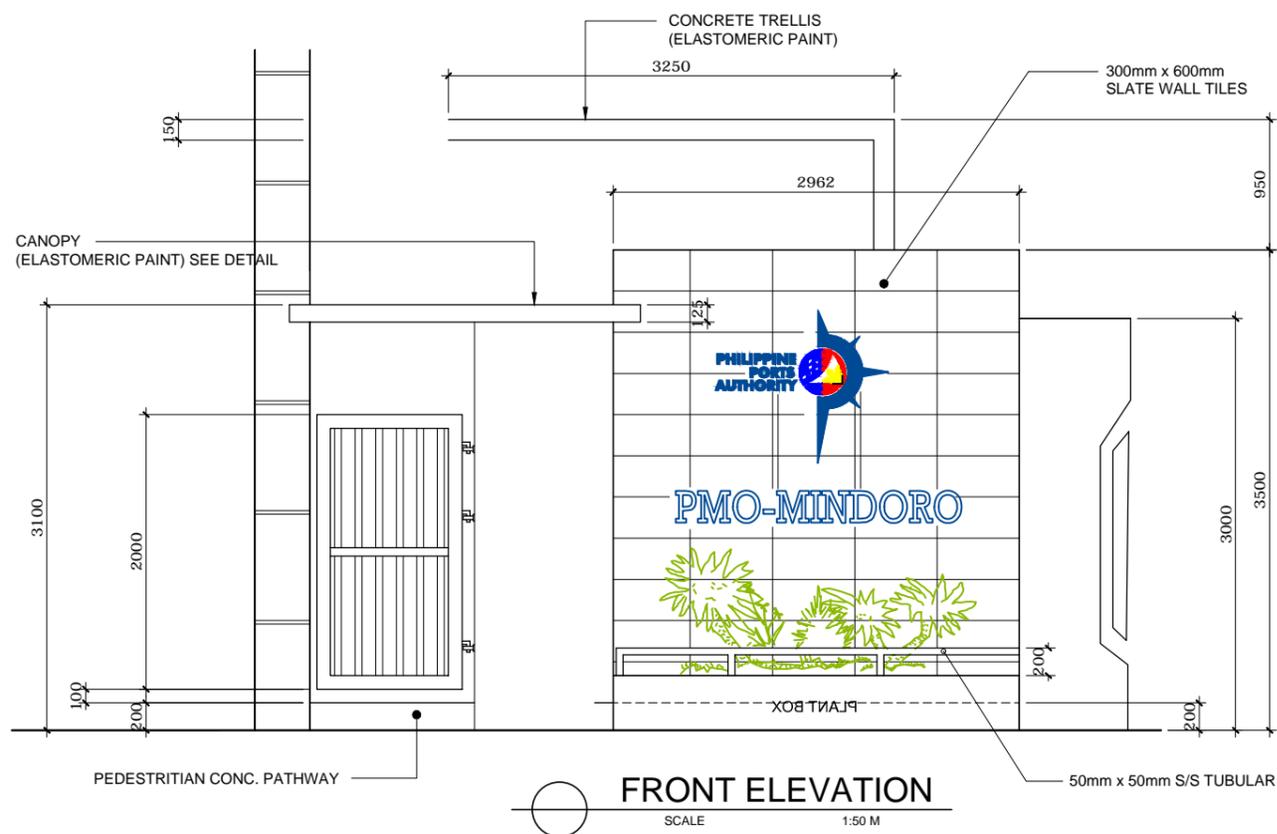
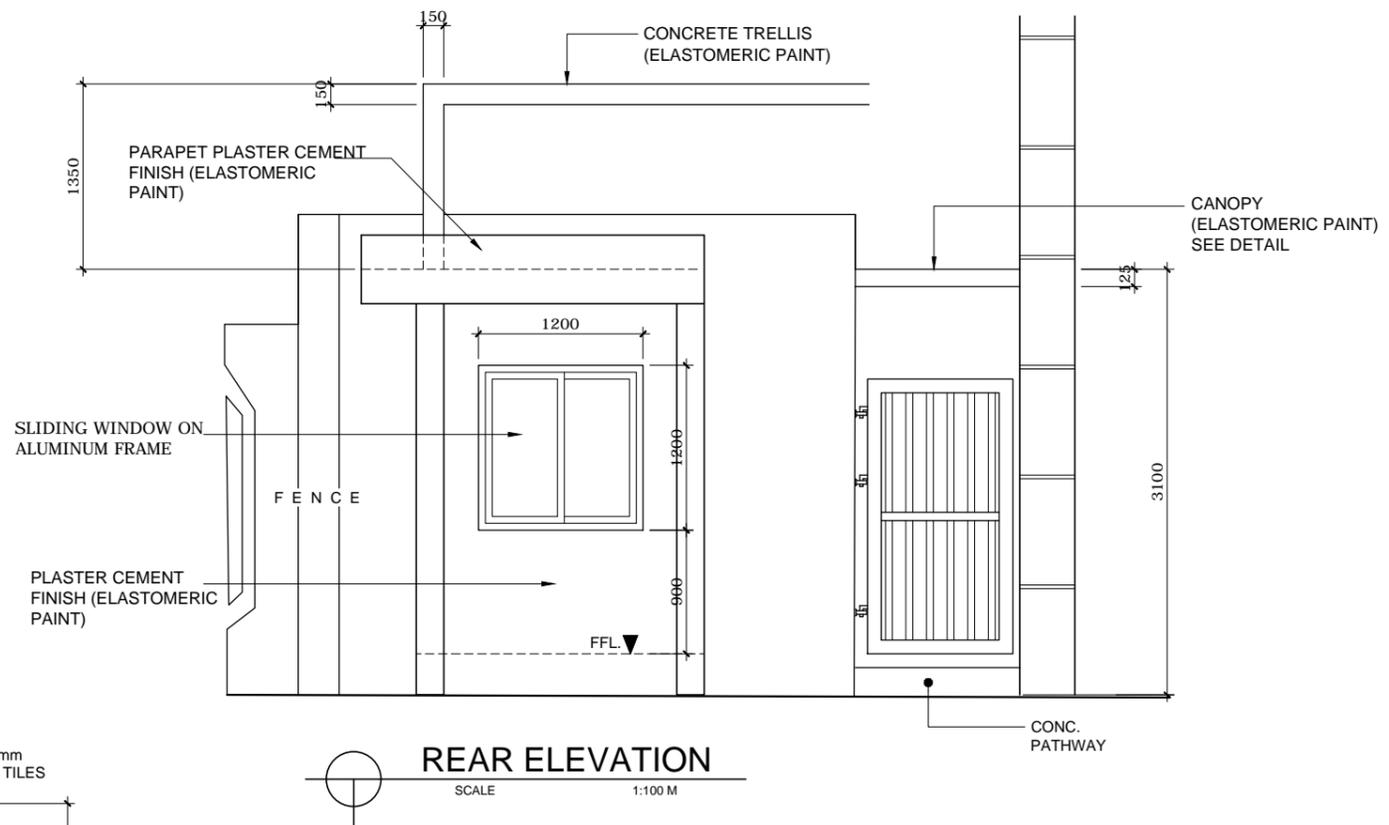
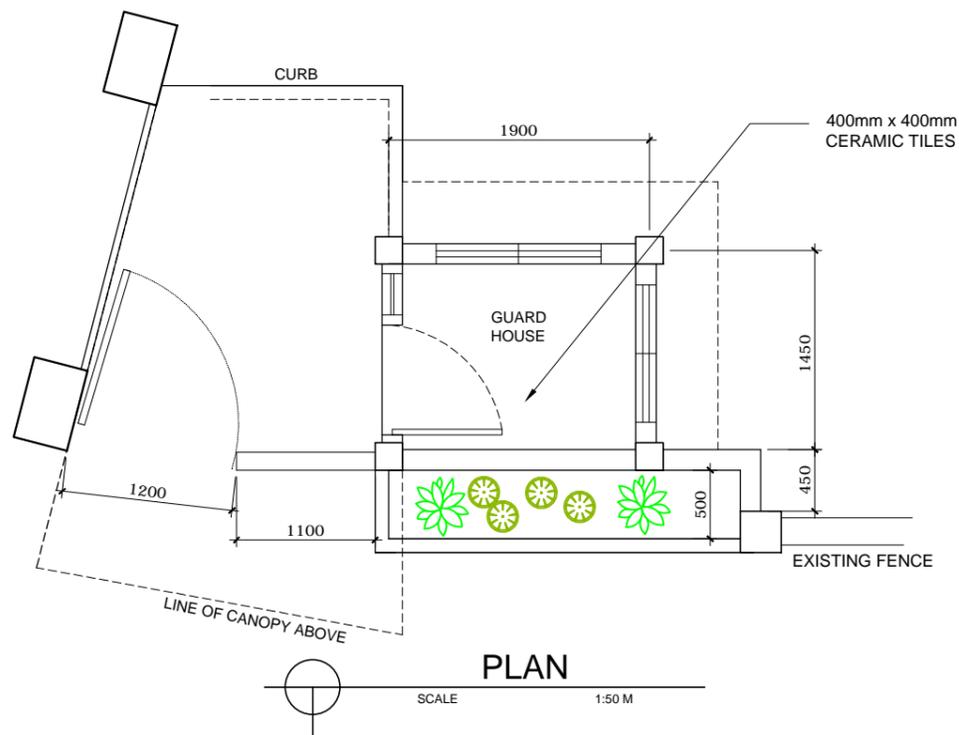
SHEET CONTENTS:

AS SHOWN

SCALE:
AS SHOWN

SHEET NO.
39 of 45

DATE :
04 OCT 2019



NOTE: PAINTING WORKS FOR CONCRETE
(PRIMERCOAT WITH TWO TOP COAT OF ELASTOMERIC PAINT)

GUARD HOUSE & PEDESTRIAN GATE DETAIL



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

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN

PREPARED BY:
FERNANDO J. GALVEZO
Engineering Assistant A

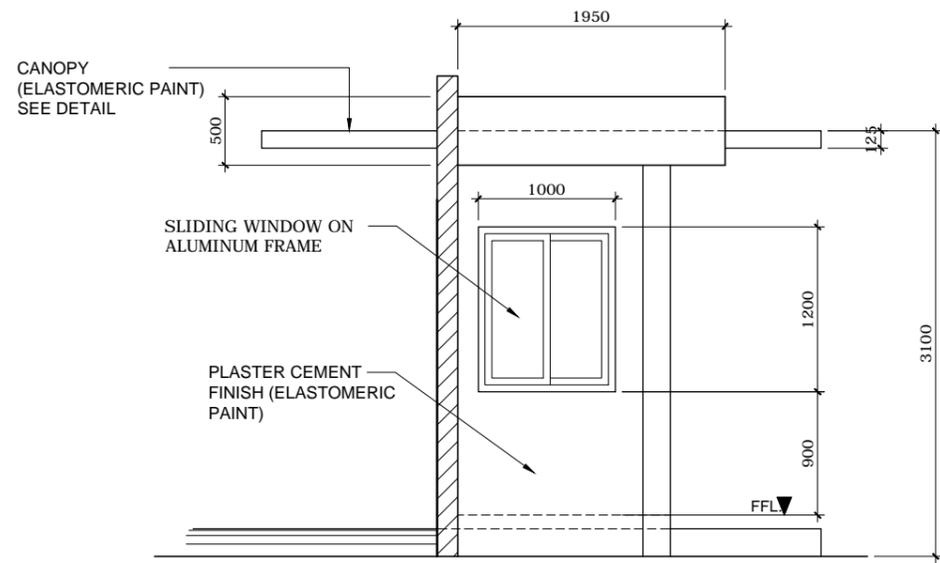
SUBMITTED BY:
EMERSON D. QUIAMBAO
Office Engineer

CHECKED / REVIEWED BY:
RONALD O. MATIBAG
Acting Principal Engineer A

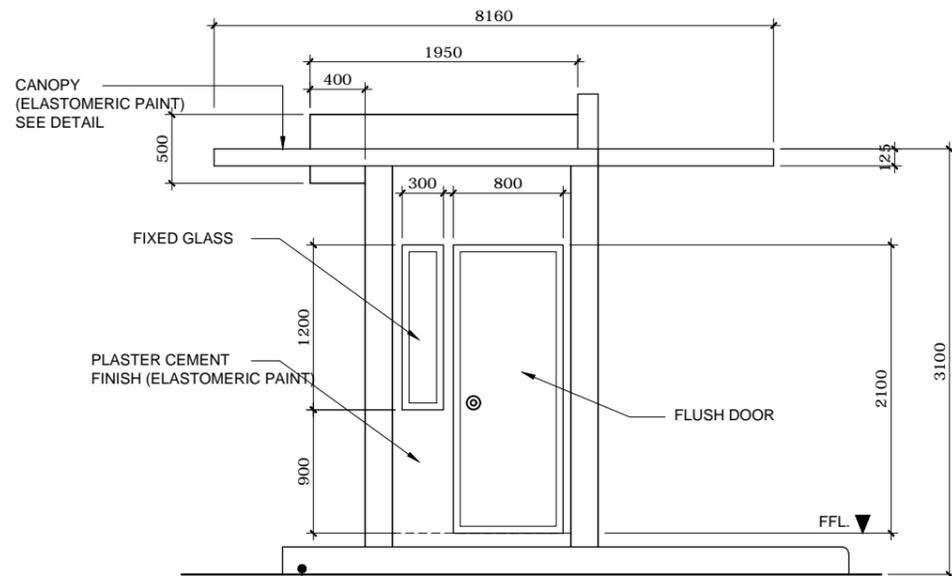
RECOMMENDING APPROVAL:
MARGARITO P. DIMAILIG
Acting Division Manager A, ESD

APPROVED:
ELVIS R. MEDALLA
Port Manager A

SHEET NO. 40 of 45
DATE: 04 OCT 2019



LEFT SIDE ELEVATION
SCALE 1:50 M



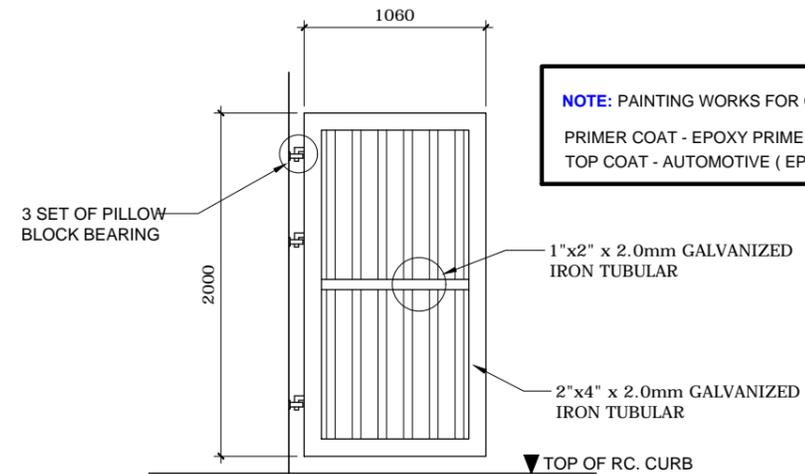
RIGHT ELEVATION
SCALE 1:50 M



PMO-MINDORO

MATERIALS : STAINLESS STEEL PLATE
COATED w/ AUTOMOTIVE PAINT

DETAIL OF LOGO



NOTE: PAINTING WORKS FOR G.I TUBULAR
PRIMER COAT - EPOXY PRIMER
TOP COAT - AUTOMOTIVE (EPOXY) PAINT

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

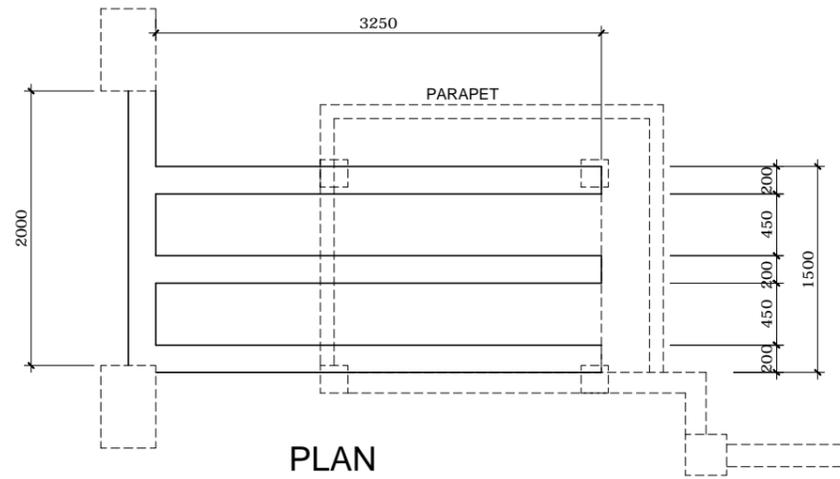
SHEET CONTENTS:

AS SHOWN

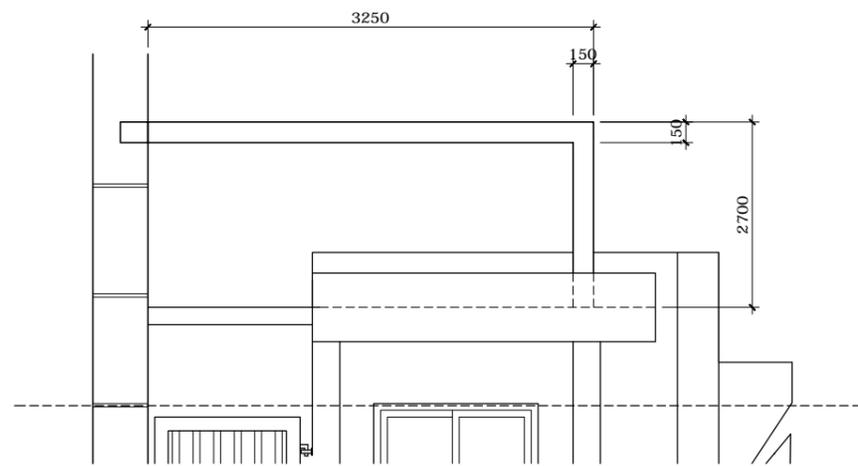
SCALE:
AS SHOWN

SHEET NO.
41 of 45

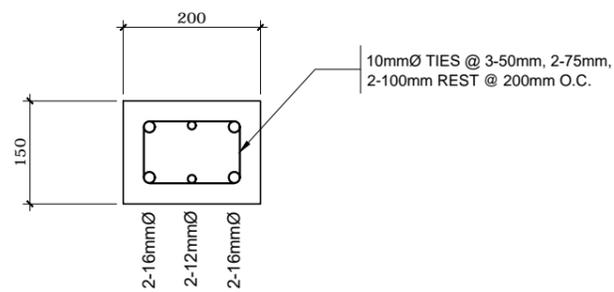
DATE :
04 OCT 2019



PLAN

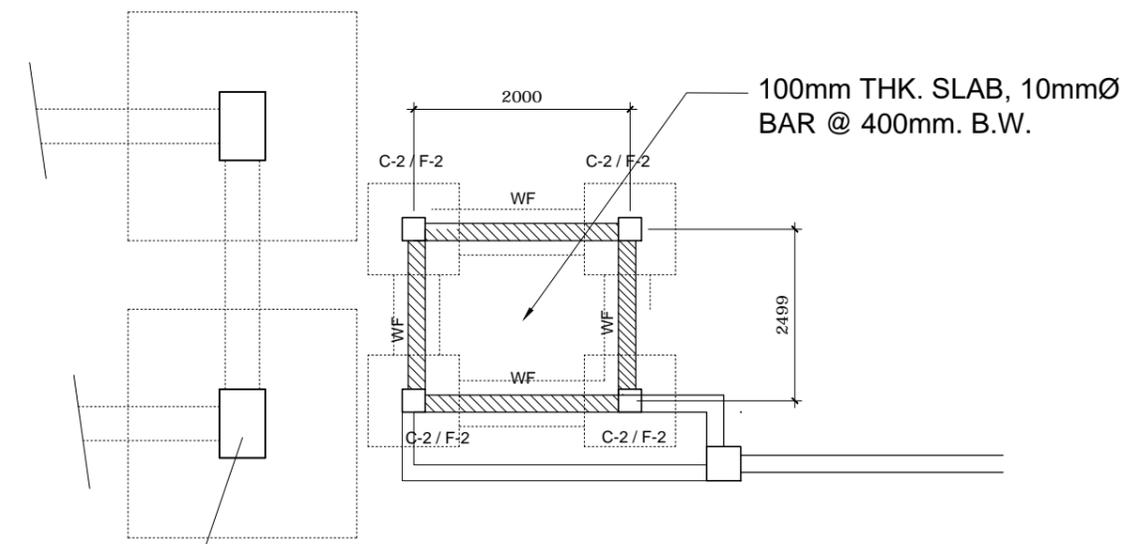


ELEV.



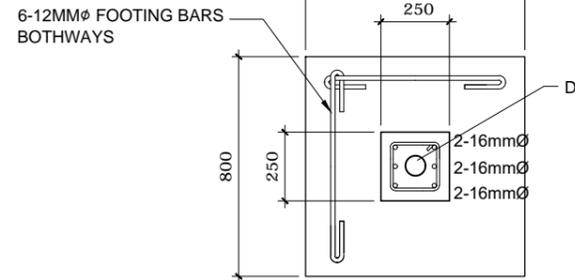
CB PLAN

CONCRETE TRELLIS DETAIL
SCALE 1:25 M



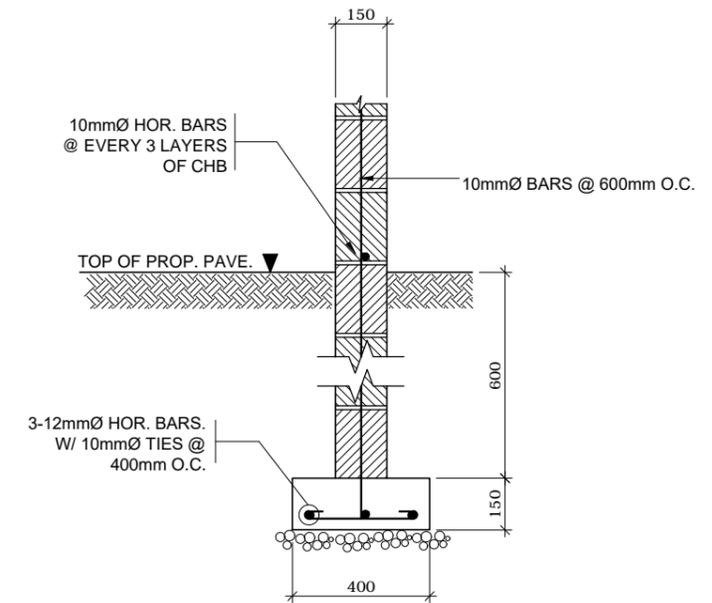
MAIN GATE COLUMN

FOUNDATION PLAN
SCALE 1:60 M



C-2 / F-2

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



DETAIL OF WALL FOOTING
SCALE 1:20 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

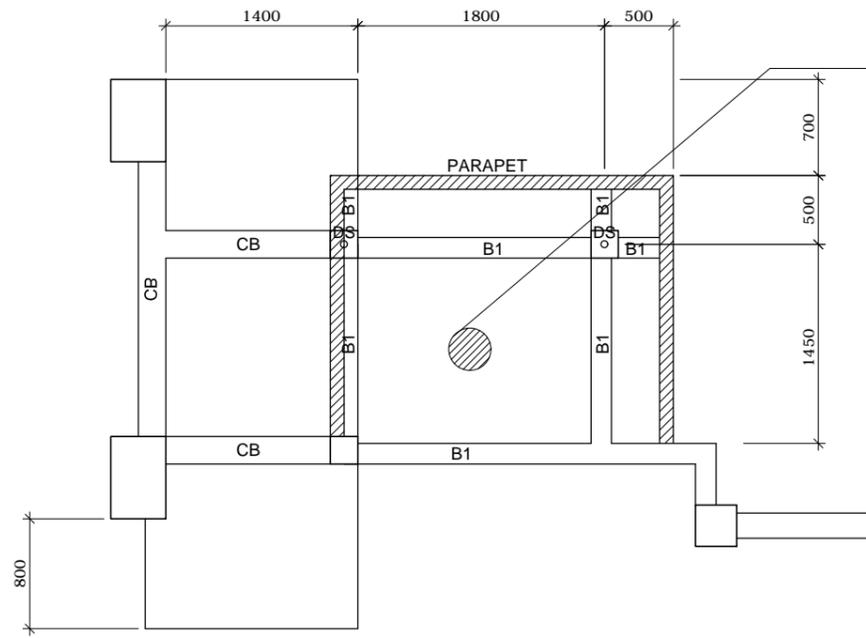
SUBMITTED BY:
EMERSON D. QUIAMBAO
Office Engineer

CHECKED / REVIEWED BY:
RONALD O. MATIBAG
Acting Principal Engineer A

RECOMMENDING APPROVAL:
MARGARITO P. DIMAILIG
Acting Division Manager A, ESD

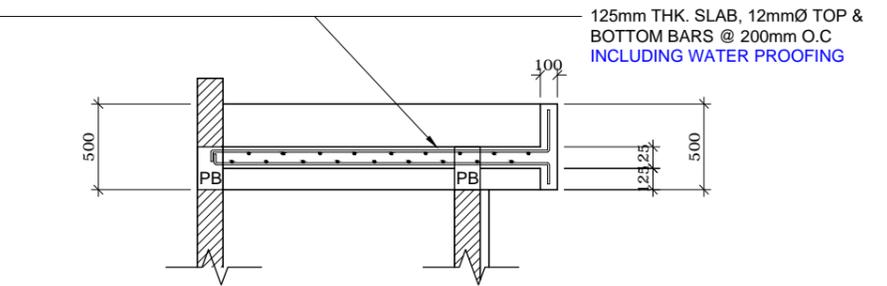
APPROVED :
ELVIS R. MEDALLA
Port Manager A

SHEET CONTENTS: AS SHOWN
SCALE: AS SHOWN
SHEET NO. 42 of 45
DATE : 04 OCT 2019



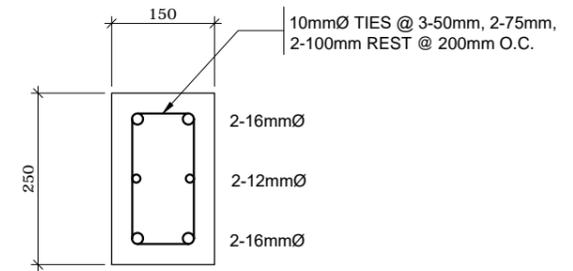
GUARD HOUSE ROOF BEAM PLAN

SCALE 1:50 M

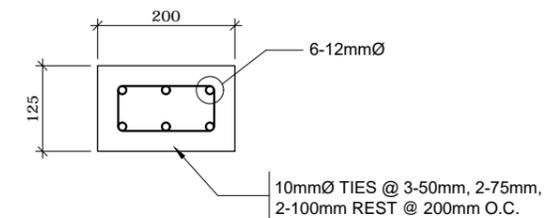


GUARD HOUSE SLAB SECTION DETAIL

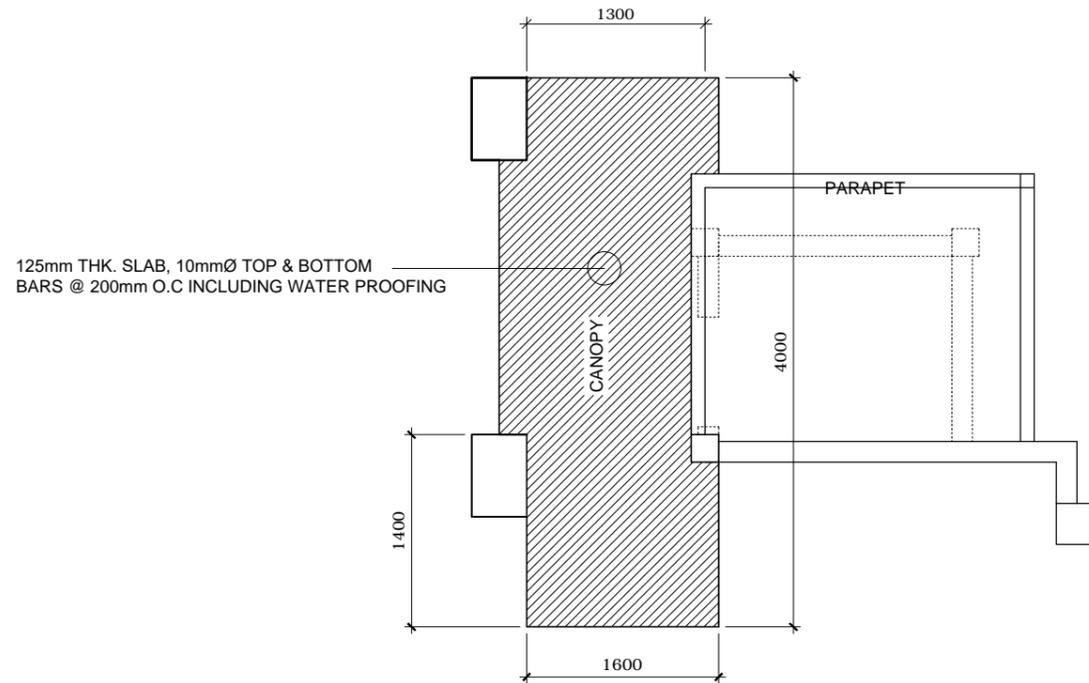
SCALE 1:25 M



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

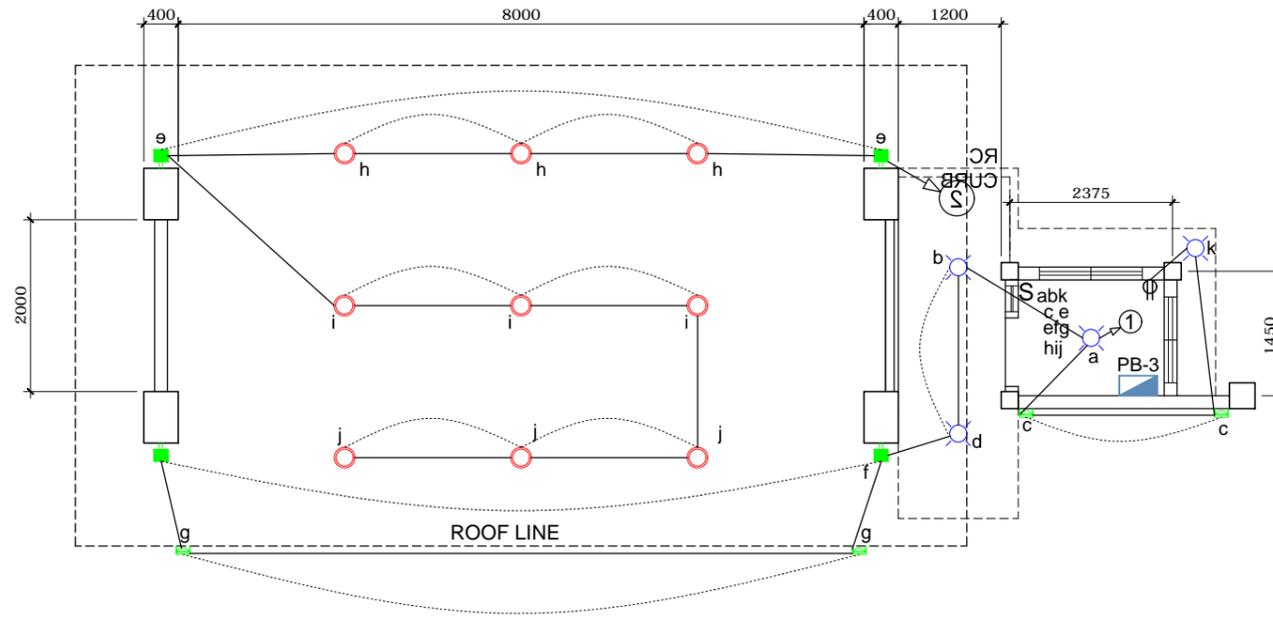
SHEET CONTENTS:

AS SHOWN

SCALE:
AS SHOWN

SHEET NO.
43 of 45

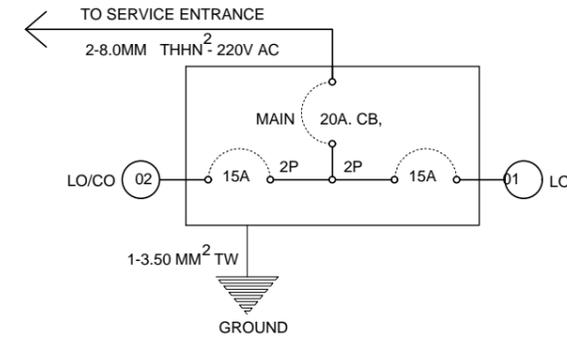
DATE:
04 OCT 2019



 **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, holster & driver
-  S_{ab} 1 SET OF TWO-GANG SWITCH
-  S_{abc} 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
-  PB-3 1 SET OF PANEL BOARD



MAIN PANEL BOARD DIAGRAM

SCALE NTS.

LOAD SCHEDULE

CKT. NO.	NUMBER OF OUTLET/S		RATING VOLTS	RATING WATTS	AMPERES	POLE	WIRE SIZE MM ² (THHN)	CONDUIT SIZE MM ² (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 : 2-8.0MM² THHN; 1-3.50MM² TW, GROUND, Ø 25MM RSC

$$\begin{aligned}
 IT &= < (2,400/220V) + (0.25 \times 23.86) > (80 \% D.F.) \\
 &= (10.91 + 5.965)(80 \% DF) \\
 &= 13.50 A \\
 &\text{SAY 20 AMPERES FOR MAIN}
 \end{aligned}$$



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:

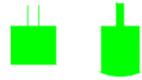
AS SHOWN

SCALE:
 AS SHOWN

SHEET NO.
 44 of 45

DATE :
 04 OCT 2019

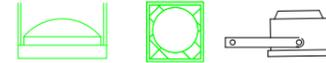
LEGEND:



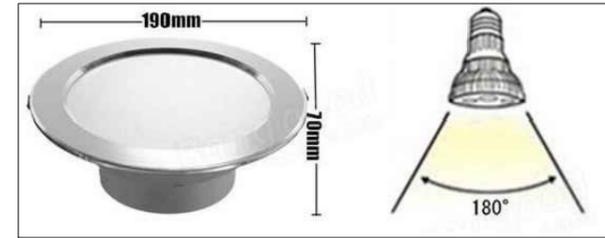
SPECIFICATIONS:	
DIMENSIONS	200mm Height
FITLAMPS	LED
IP RATING	IP65
ITEM COLOR	Dark Gray
LAMP HOLDER	CREE LED 6pcs. 6x1w LED & driver included
TEMP. COLOR	Warmwhite (WW)



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:

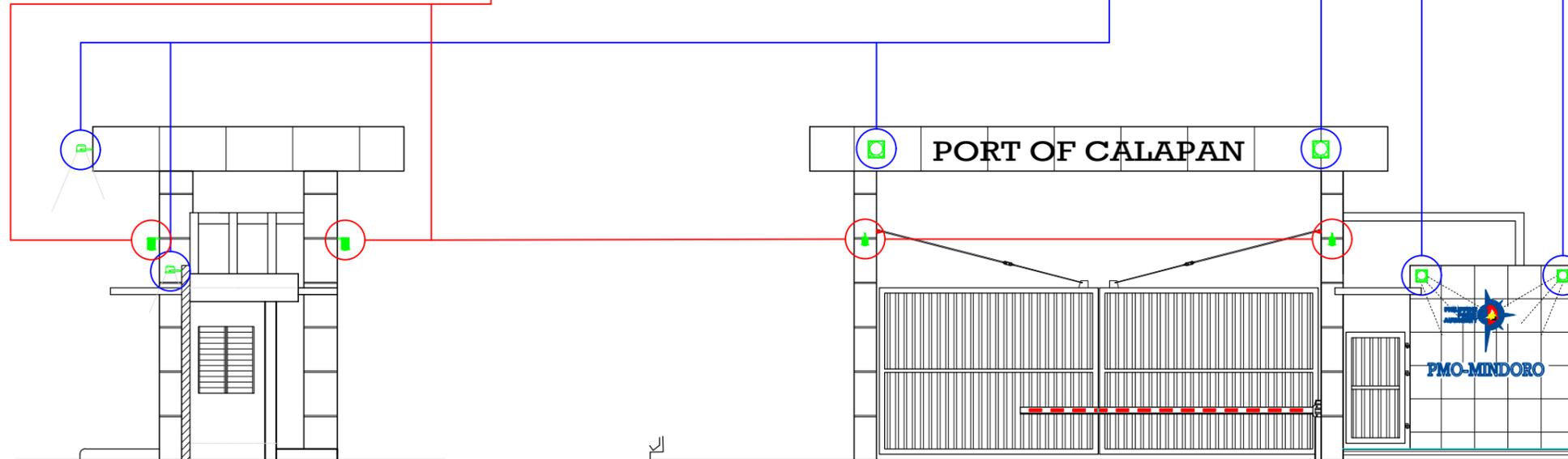
Power: 15W
 Lumens : 1500lm
 Voltage : 85-265V AC
 Cover material: Aluminum
 Beam angle : 180 degree
 Color temperature :
 Warm White (3200-3500K)
 Pure white (6000-6500K)
 Dimmable : No
 Certification : CE and RoHS
 Lifetime : > 50,000 hours

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:

AS SHOWN

SCALE:
 AS SHOWN

SHEET NO.
 45 of 45

DATE :
 04 OCT 2019