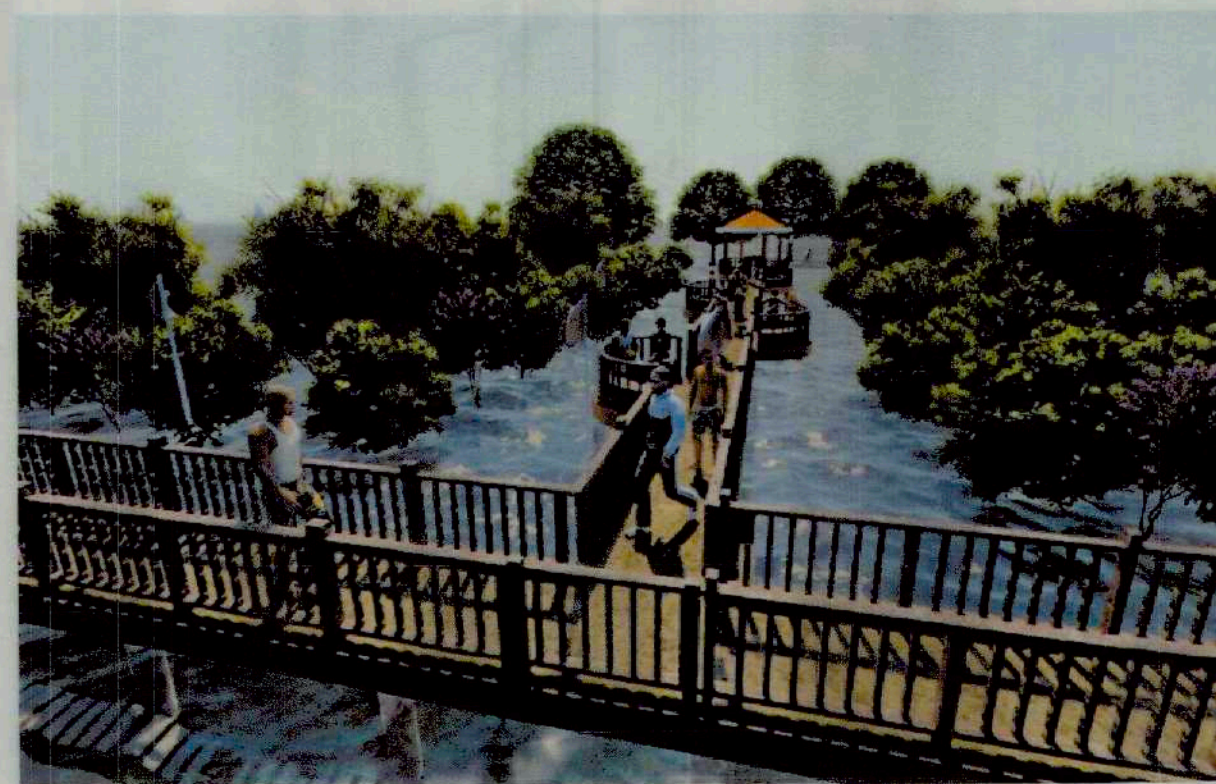




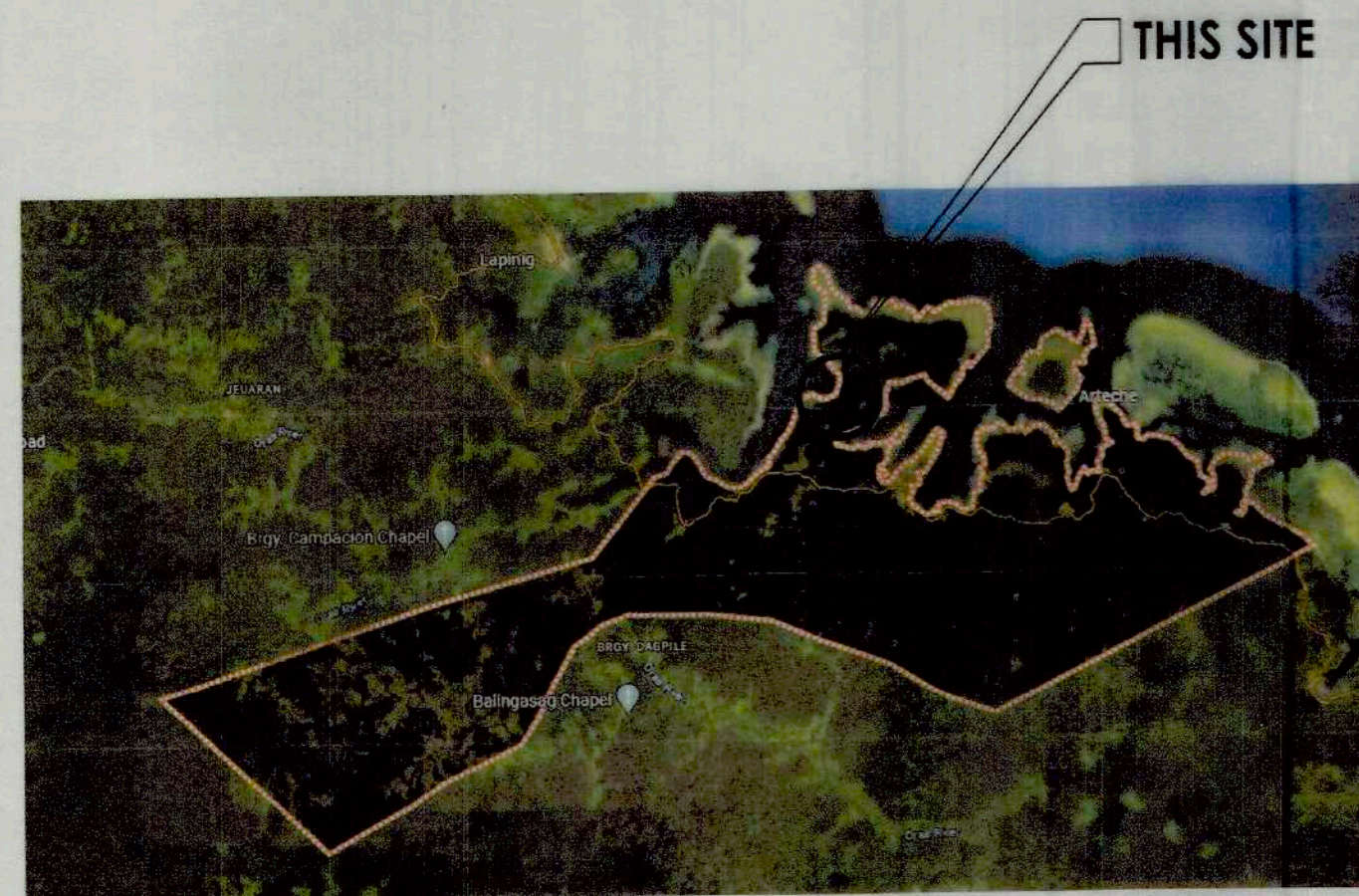
PERSPECTIVE OF FOOT BRIDGE



PERSPECTIVE OF BOARDWALK WITH REST AREA
& STILT TYPE GAZEBO -1



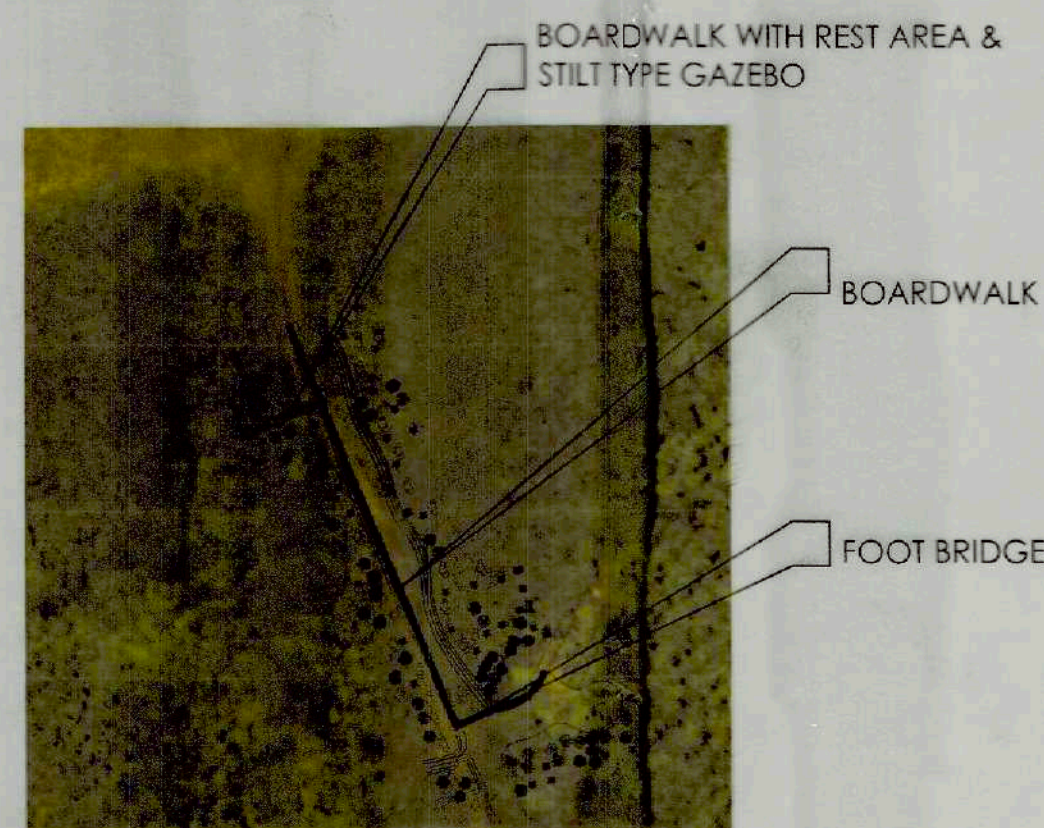
PERSPECTIVE OF BOARDWALK WITH REST AREA
& STILT TYPE GAZEBO-2



THIS SITE



THIS SITE



BOARDWALK WITH REST AREA &
STILT TYPE GAZEBO

BOARDWALK

FOOT BRIDGE

2 LOCATION MAP
GC-01 SCALE NTS

3 VICINITY PLAN
GC-01 SCALE NTS

SHEET CONTENTS

GENERAL COVER

GC-01	PERSPECTIVE
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	VICINITY MAP
	SITE DEVELOPMENT PLAN

ARCHITECTURAL

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A-02	TYPICAL ELEVATION OF BOARDWALK
	TYPICAL ELEVATION OF FOOT BRIDGE
	SECTION OF BOARDWALK
	SECTION OF FOOT BRIDGE
A-03	FLOOR PLAN OF BOARDWALK W/ REST AREA
	ELEVATION OF BOARDWALK W/ REST AREA
	SECTION OF STILT TYPE REST AREA
	SECTION OF STILT TYPE GAZEBO
AS-04	SECTION DETAIL OF A- A/2
	SECTION DETAIL OF B- A/2
	ROOF PLAN OF GAZEBO
	FLOOR PLAN OF BENCH & GAZEBO

STRUCTURAL

S-01	STRUCTURAL NOTES
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	OTHER DETAILS
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	TYPICAL BEAMS DETAILS & REINFORCEMENT
	TYPICAL FOOTING DETAIL
S-03	TYPICAL BOARDWALK ELEVATION & SECTION
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	ELEVATION & SECTION
	GAZEBO ELEVATION & SECTION
S-04	SCHEDULE OF COLUMNS
	SCHEDULE OF BEAMS
	SCHEDULE OF FOOTING

TF-1

SIGNAGE
TEMPORARY ENCLOSURE
TEMPORARY BARRACKS

SCOPE OF WORKS

- GENERAL NOTES
1. HEALTH AND SAFETY PROGRAM
2. TEMPORARY BARRACKS
3. PROJECT SIGNAGE
- PROPOSED BOARDWALK
- PROPOSED FOOT BRIDGE
- PROPOSED STILT TYPE REST AREA
AND STILT TYPE GAZEBO

NOTES:

- VERIFY ACTUAL ELEVATION MARKS AND LOT BOUNDARIES PRIOR TO COMMENCING WORKS.
- VERIFY ACTUAL BEARINGS, DISTANCES AND TECHNICAL SITE CONDITIONS.
- ALL WORKS TO BE DONE HEREIN SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATIONS OR CHANGES IN THE PLANS AND/OR SPECIFICATIONS SHALL BE SUBJECT TO THE APPROVAL OF PEPD DESIGNER.

CONFORME:


ROLAND BOIE M. EVARDONE

MUNICIPALITY MAYOR

Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS & HIGHWAYS
OFFICE OF THE BUILDING OFFICIAL

DISTRICT/ CITY/ MUNICIPALITY

LAND USE & ZONING

LINE AND GRADE

ARCHITECTURAL

CIVIL/STRUCTURAL

ELECTRICAL

MECHANICAL

SANITARY

PLUMBING

ELECTRONICS

INTERIOR DESIGN



TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6th & 7th FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION

CONSTRUCTION OF THE MANGROVE
FOREST TRAIL AND CONSERVATION CENTER

ARTECHE, EASTERN SAMAR

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:

TRUBBY D. EVASCO

DRAWN BY: TDE
DATE: JANUARY 2024

CHECKED BY:

RADY E. ADAME

MANAGER
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY:

JEFFREY L. MACALALAD

DEPARTMENT MANAGER
PROJECT EVALUATION & PLANNING DEPARTMENT

RECOMMENDING APPROVAL:

GREGORY A. OLLER

ASSISTANT CHIEF OPERATING OFFICER
ARCHITECTURAL & ENGINEERING SERVICES SECTOR

APPROVED BY:

MARYLAND

CHIEF OPERATING OFFICER

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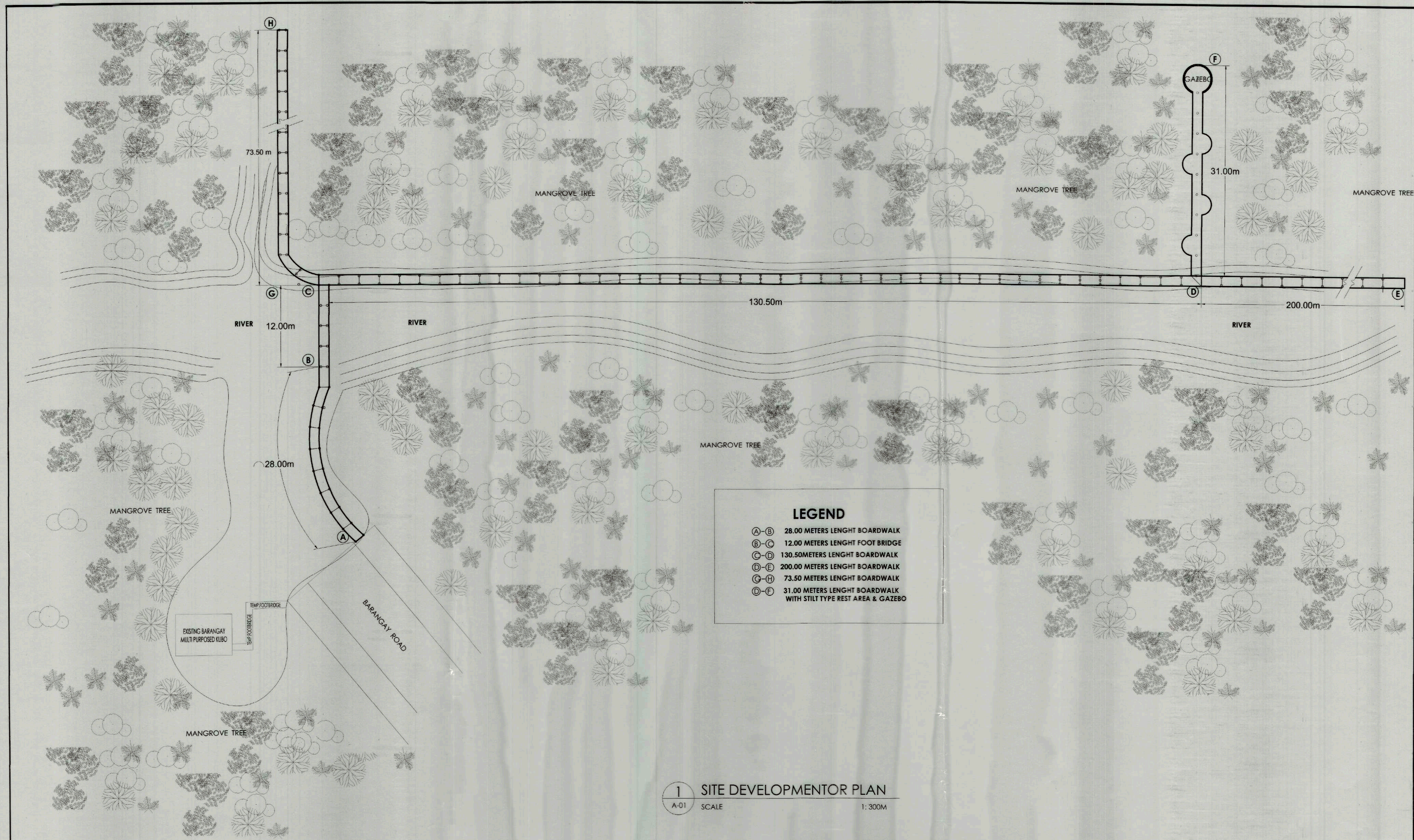
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GA-01

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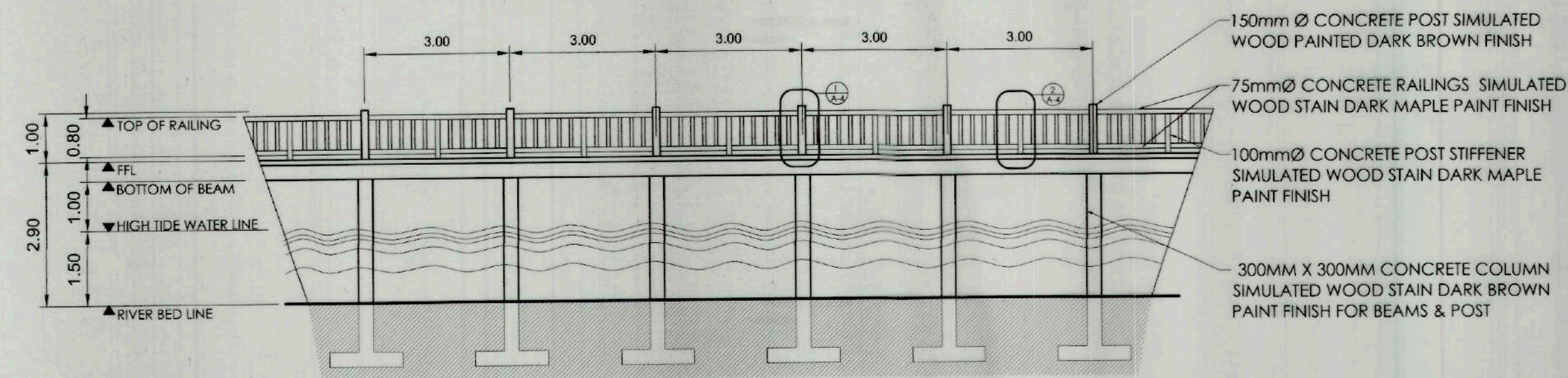


- LEGEND**
- A-B 28.00 METERS LENGHT BOARDWALK
 - B-C 12.00 METERS LENGHT FOOT BRIDGE
 - C-D 130.50METERS LENGHT BOARDWALK
 - D-E 200.00 METERS LENGHT BOARDWALK
 - G-H 73.50 METERS LENGHT BOARDWALK
 - D-F 31.00 METERS LENGHT BOARDWALK WITH STILT TYPE REST AREA & GAZEBO

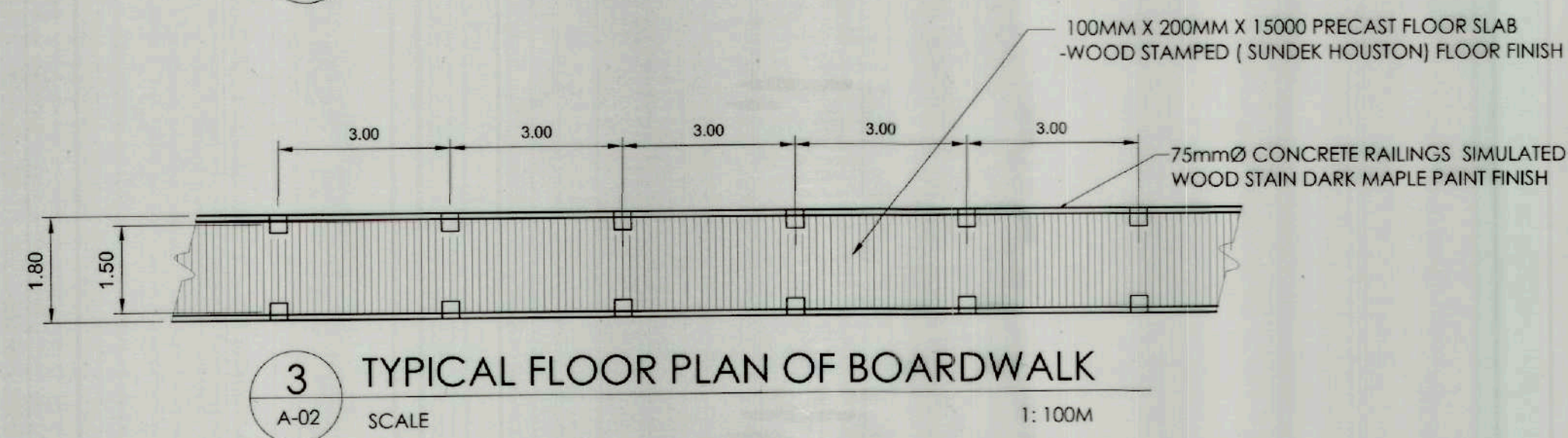
1 SITE DEVELOPMENTOR PLAN
A-01 SCALE 1: 300M

<p>TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY 6th & 7th FLR. TOWER 1 DOUBLE DRAGON PLAZA DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308</p>	<p>PROJECT TITLE/LOCATION</p> <p>CONSTRUCTION OF THE MANGROVE FOREST TRAIL AND CONSERVATION CENTER</p> <p>ARTECHE, EASTERN SAMAR</p>	PROJECT EVALUATION AND PLANNING DEPARTMENT			RECOMMENDING APPROVAL:	APPROVED BY:	SHEET CONTENTS:	R.A. 545	SHEET NO.
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		TRUBBY D. EVASCO	RADY E. ADAME	JEFFREY L. MACALALAD	GREGORY A. OLLER	MARK T. LAPID	AS SHOWN		A-01
		DRAWN BY: TDE DATE: JANUARY 2024	MANAGER PROJECT PLANNING & DESIGN DIVISION	DEPARTMENT MANAGER PROJECT EVALUATION & PLANNING DEPARTMENT	ASSISTANT CHIEF OPERATING OFFICER ARCHITECTURAL & ENGINEERING SERVICES SECTOR	CHIEF OPERATING OFFICER	REVISIONS:		4

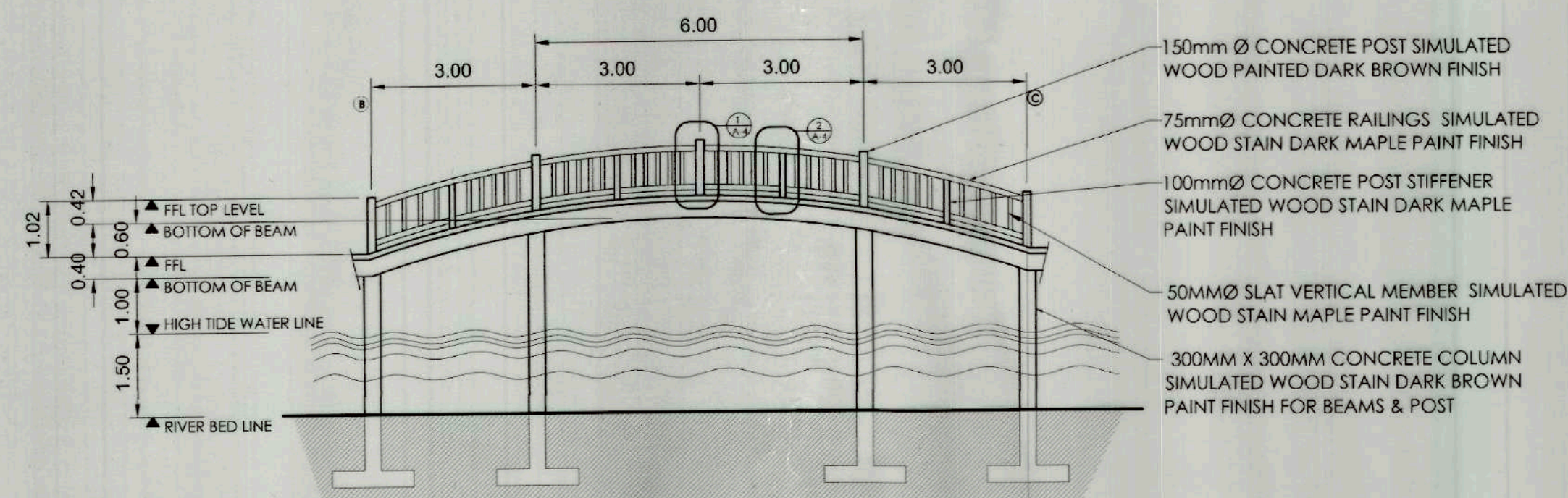
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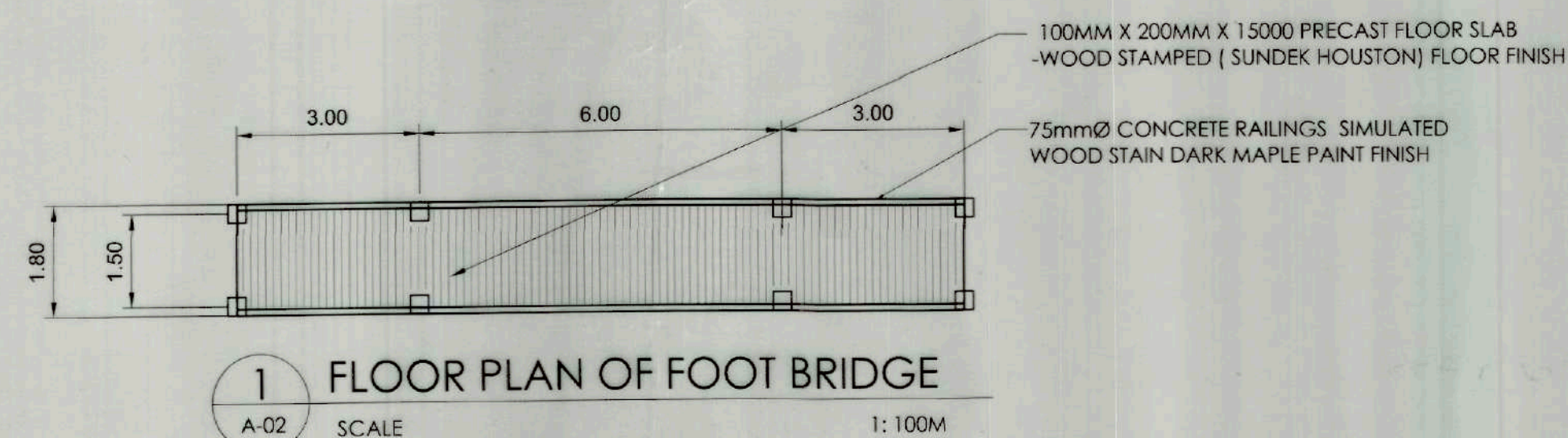
4 TYPICAL ELEVATION OF BOARDWALK
A-02 SCALE 1: 100M



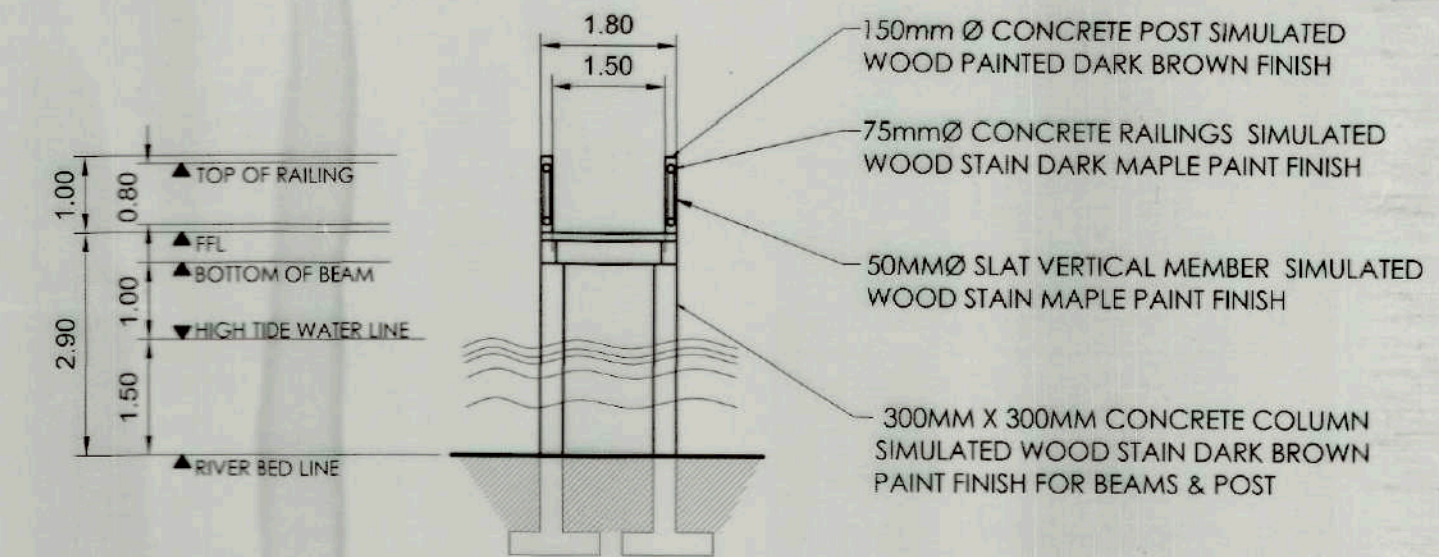
3 TYPICAL FLOOR PLAN OF BOARDWALK
A-02 SCALE 1: 100M



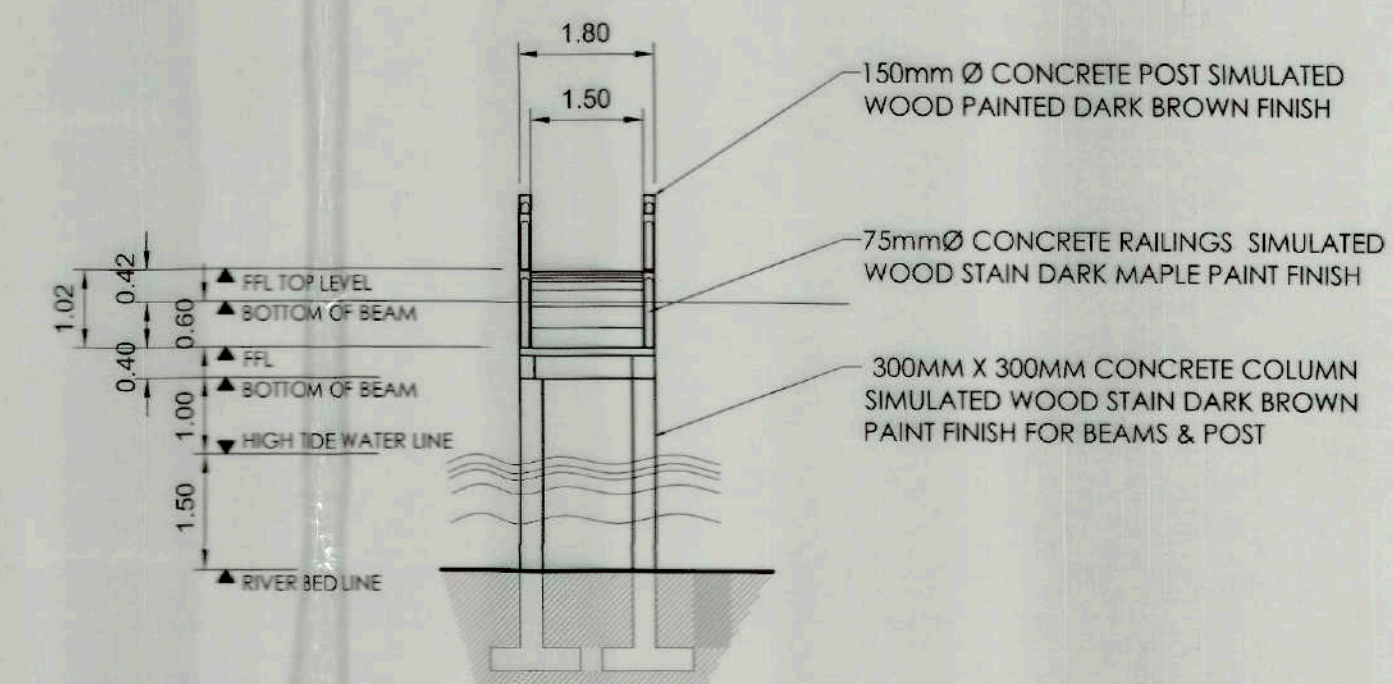
2 ELEVATION OF FOOT BRIDGE
A-02 SCALE 1: 100M



1 FLOOR PLAN OF FOOT BRIDGE
A-02 SCALE 1: 100M



5 TYPICAL SECTION OF BOARDWALK
A-02 SCALE 1: 100M



6 SECTION OF FOOT BRIDGE
A-02 SCALE 1: 100M



**TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY**
6th & 7th FLR, TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

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PREPARED BY: TRUBBY D. EVASCO
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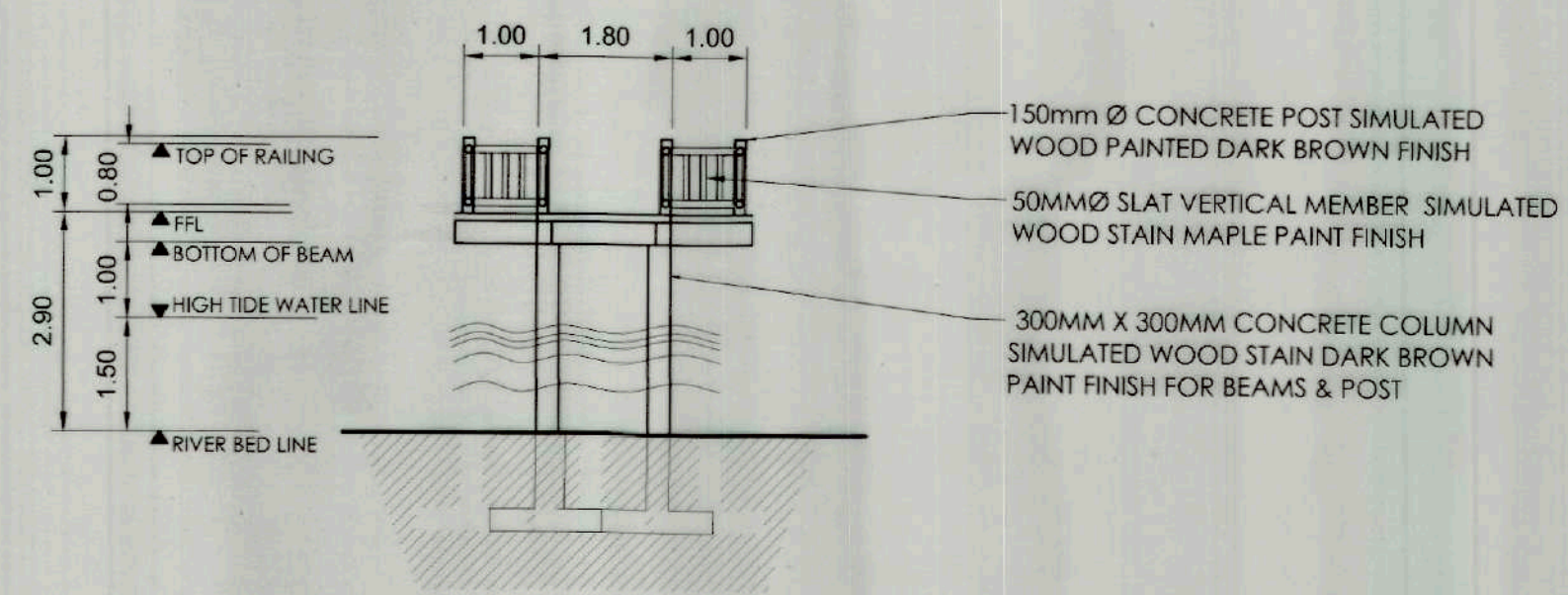
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ASSISTANT CHIEF OPERATING OFFICER
ARCHITECTURAL & ENGINEERING SERVICES SECTOR

APPROVED BY:
MARK T. LAPID
CHIEF OPERATING OFFICER

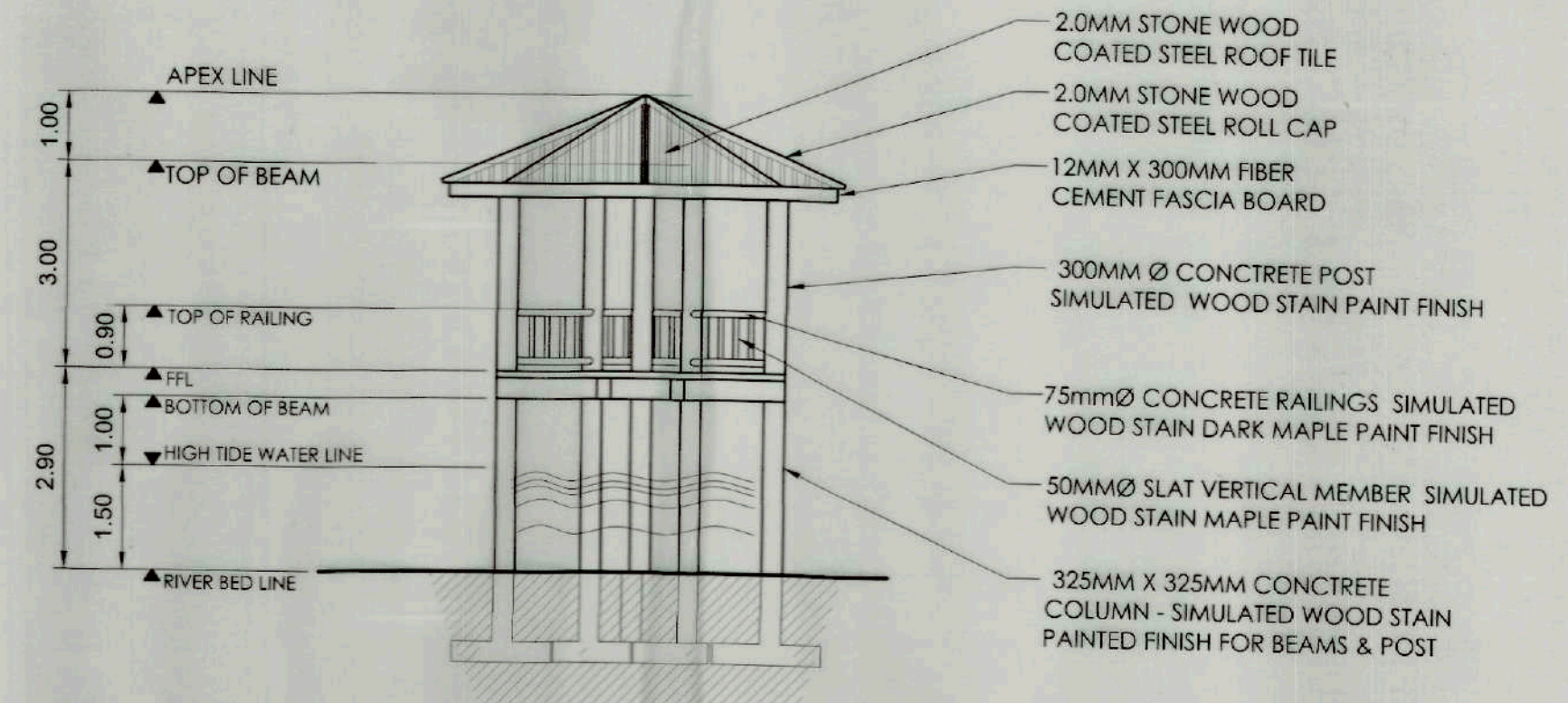
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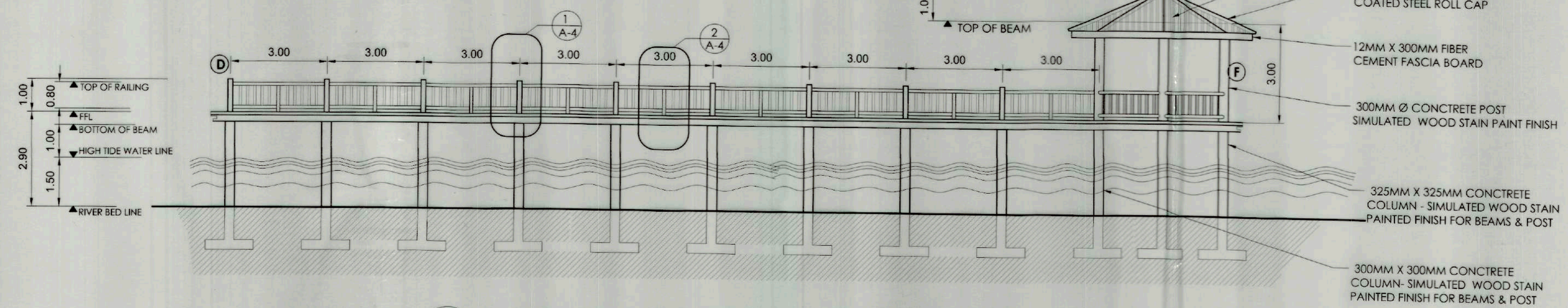
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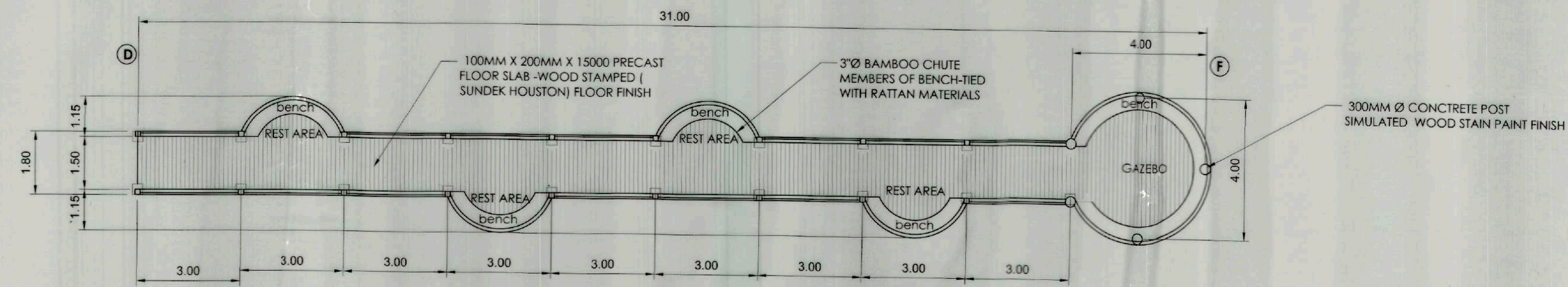
3 SECTION THRU STILT TYPE REST AREA
A-03 SCALE 1: 100M



4 SECTION THRU STILT TYPE GAZEBO
A-03 SCALE 1: 100M



2 BOARDWALK with REST AREA & GAZEBO ELEVATION
A-03 SCALE 1: 100M



1 BOARDWALK with REST AREA & GAZEBO FLOOR PLAN
A-03 SCALE 1: 100M



TOURISM INFRASTRUCTURE AND ENTERPRISE ZONE AUTHORITY
6th & 7th FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
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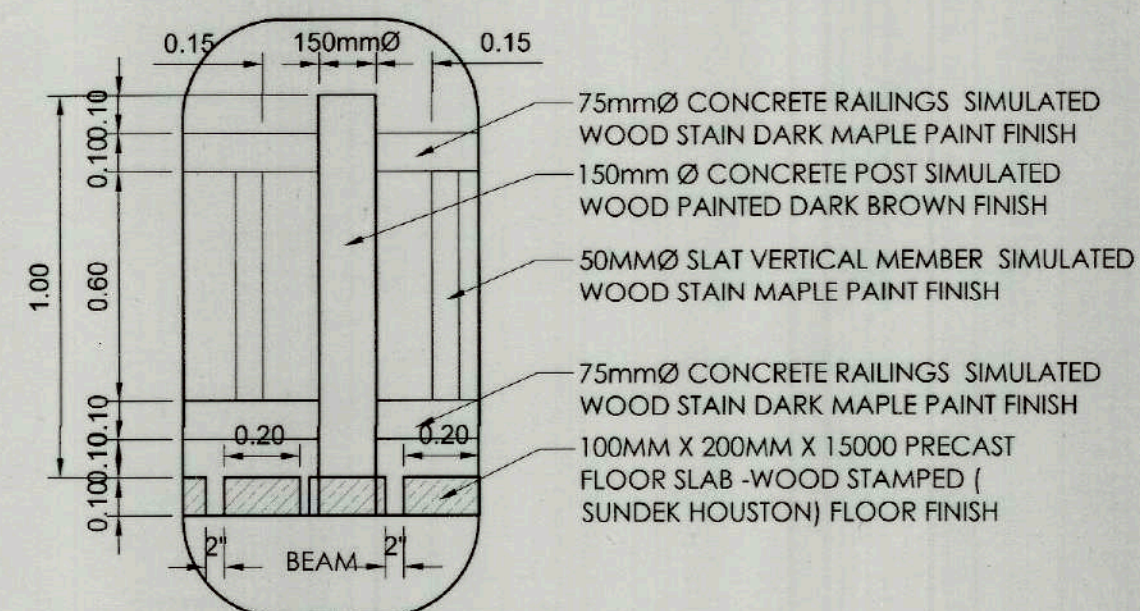
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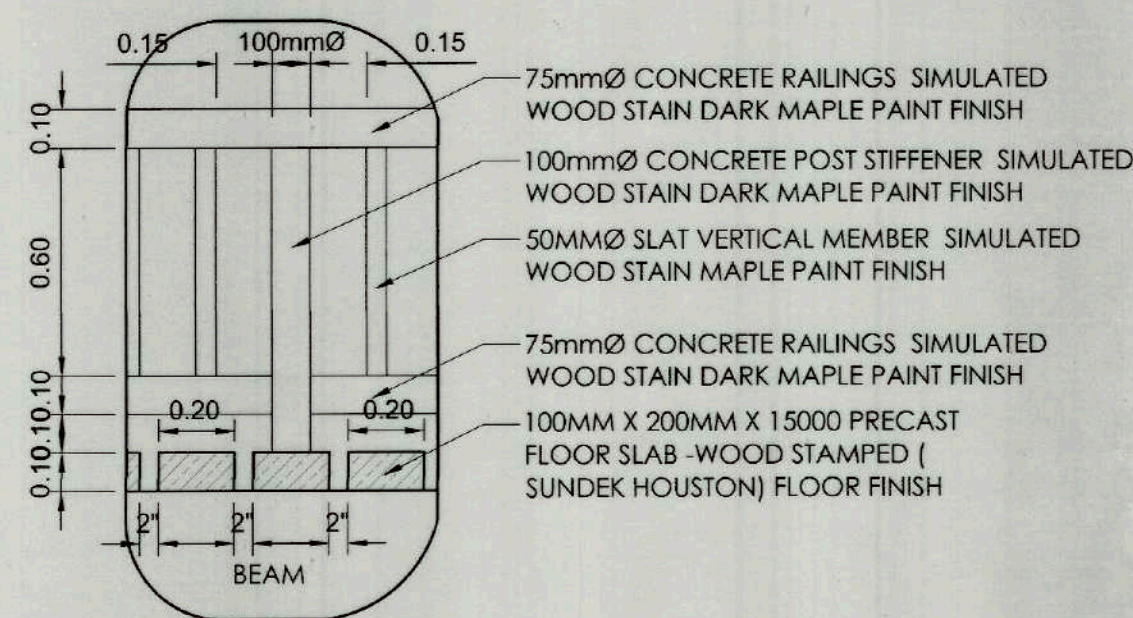
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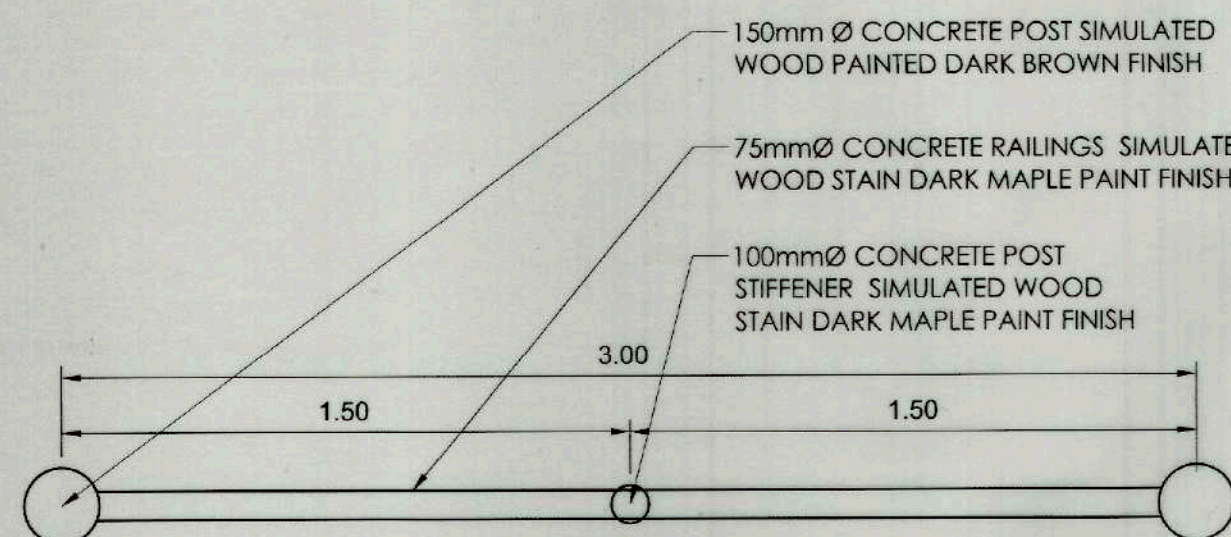
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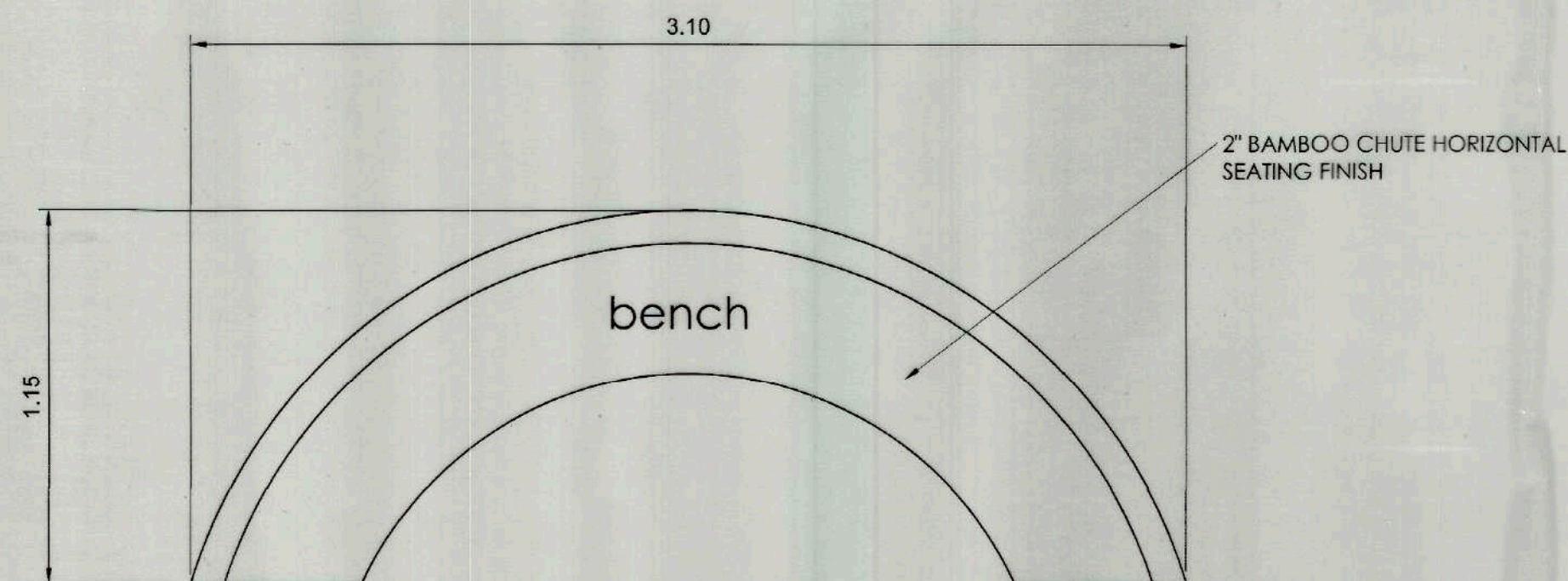
3 DETAIL -1 A/4
A-04 SCALE 1: 20M



2 DETAIL -2 A/4
A-04 SCALE 1: 20M



1 PLAN VIEW
A-04 SCALE 1: 20M

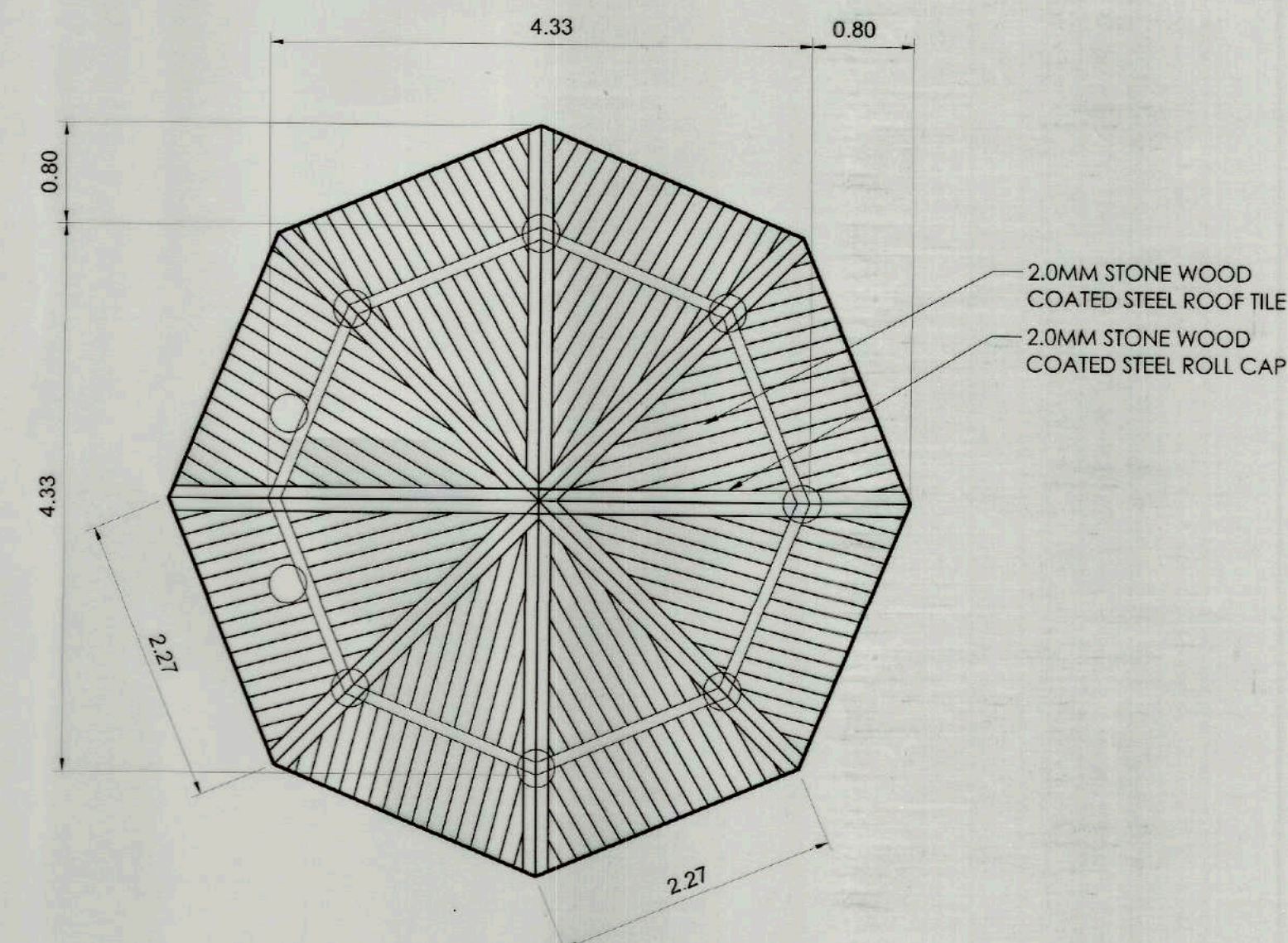


4 FLOOR PLAN OF BENCH
A-04 SCALE 1: 50M

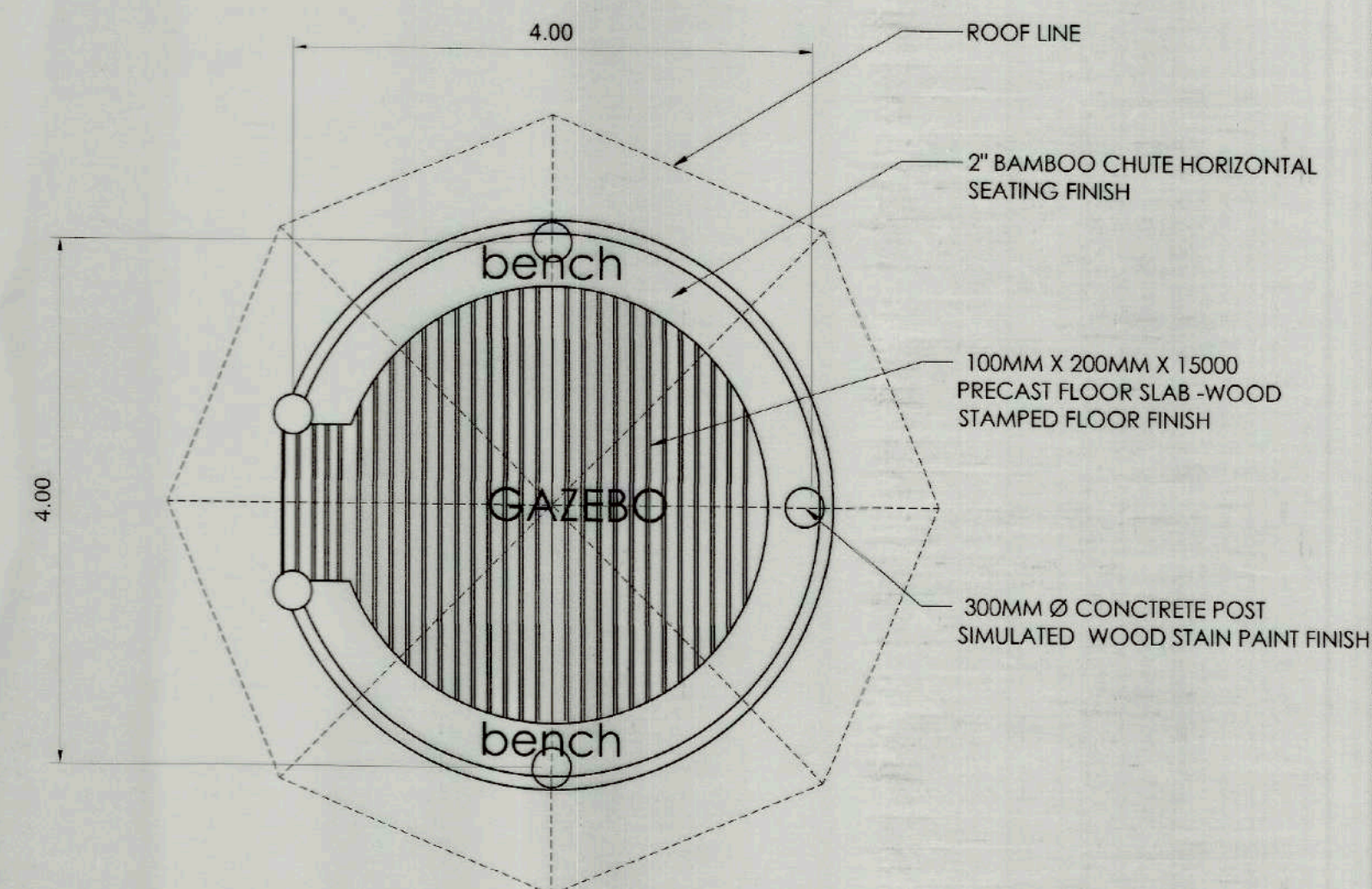
NOTE:
1. USED BAMBOO TIES RATTAN ROPE MATERIALS FOR ALL JOINTS
2. PROVIDE DOWEL BAMBOO STICK FOR JOINT STIFFENER



5 ELEVATION & SECTION OF BENCH
A-04 SCALE 1: 20M



6 ROOF PLAN OF GAZEBO
A-04 SCALE 1: 50M



7 FLOOR PLAN OF GAZEBO
A-04 SCALE 1: 50M



**TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY**
6th & 7th FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION
CONSTRUCTION OF THE MANGROVE
FOREST TRAIL AND CONSERVATION CENTER
ARTECHE, EASTERN SAMAR

PROJECT EVALUATION AND PLANNING DEPARTMENT
PREPARED BY: TRUBBY D. EVASCO
CHECKED BY: RADY E. ADAME
REVIEWED BY: GEOFFREY L. MACALALAD
DRAWN BY: TDE
DATE: JANUARY 2024
MANAGER
PROJECT PLANNING & DESIGN DIVISION
DEPARTMENT MANAGER
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MARK T. LARON
CHIEF OPERATING OFFICER

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STRUCTURAL NOTES

A. GENERAL

A.1 IN THE INTERPRETATION OF THESE DRAWINGS, INDICATED DIMENSION SHALL GOVERN. DISTANCES OR SIZES SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.

A.2 IN CASE OF CONFLICT IN DETAILS OR DIMENSIONS BETWEEN THE ARCHITECTURAL AND STRUCTURAL PLANS, THE CONTRACTOR SHALL RELEASE A REQUEST FOR INFORMATION (RFI) THAT SHALL BE RESPONDED BY BOTH THE ARCHITECT-OF-RECORD AND THE SIGNING STRUCTURAL ENGINEER.

A.3 IN CASES OF CONFLICT BETWEEN THE STRUCTURAL PLANS AND THE GENERAL NOTES AND SPECIFICATIONS, THE CONTRACTOR SHALL RELEASE A REQUEST FOR INFORMATION (RFI) THAT SHALL BE RESPONDED BY THE SIGNING STRUCTURAL ENGINEER.

A.4 ALL STRUCTURAL DETAILS UNLESS OTHERWISE SHOWN IN THE DRAWINGS SHALL FOLLOW CONSTRUCTION NOTE DETAILS.

A.5 THE CONTRACTOR MUST ENSURE AND WILL BE HELD RESPONSIBLE FOR THE OVERALL STABILITY OF THE BUILDING/STRUCTURE/EXCAVATION AT ALL STAGES OF THE WORK.

A.6 ALL STRUCTURAL WORKS SHALL BE CARRIED OUT IN COMPLIANCE WITH THE REQUIREMENTS OF THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES 2015.

A.7 THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT, MECHANICAL, ELECTRICAL, STRUCTURAL ENGINEER PLANS AS TO THE EXACT SIZE AND LOCATION OF OPENINGS THRU FLOOR SLABS, BEAMS AND WALLS.

B. CONCRETE

B.1 UNLESS OTHERWISE INDICATED IN PLANS OR NOTED IN THE SPECIFICATIONS, THE MINIMUM 28-DAYS CYLINDER COMPRESSIVE STRENGTH OF CONCRETE, f_c' , SHALL BE AS FOLLOWS

B.1.1 FOUNDATION 21 MPa (3000 psi)

B.1.2 COLUMNS 21 MPa (3000 psi)

B.1.3 SUSPENDED SLABS, BEAMS & GIRDERS 21 MPa (3000 psi)

B.1.4 PARAPET WALLS & OTHER STRUCTURAL ELEMENTS 21 MPa (3000 psi)

B.1.5 PARTITIONS, CURTAIN WALLS, BEDDED SLABS, SIDEWALKS, CURB, GUTTER AND OTHER STRUCTURAL ELEMENTS 17 MPa (2500 psi)

B.1.6 LEAN CONCRETE 10 MPa (1500 psi)

B.2 NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS IS EXTREMELY DIFFICULT TO ACCOMPLISH.

C. REINFORCING STEEL BARS

C.1 ALL REINFORCING BARS SHALL BE DEFORMED STEEL BARS IN ACCORDANCE WITH ASTM A-615.

C.2 ALL REINFORCING DEFORMED STEEL BARS SHALL HAVE A MINIMUM YIELD STRENGTH OF 276 MPa (40 ksi).

C.3 CONCRETE COVER

C.3.1 CAST AGENTS AND PERMANENTLY IN CONTACT WITH GROUND (75 MM)

C.3.2 EXPOSED TO WEATHER OR IN CONTACT WITH GROUND

C.3.2.1. 20MM Ø THROUGH 58MM Ø BARS (50 MM)

C.3.2.2. 16MM Ø AND SMALLER BARS (40 MM)

C.3.3. NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND

C.3.3.1. SLABS, JOISTS, AND WALLS

40MM Ø AND 58MM Ø BARS (40 MM)

36MM Ø BARS AND SMALLER (20 MM)

C.3.3.2. BEAMS, COLUMNS, PEDESTALS AND TENSION TIES (40 MM)

C.4 REINFORCING BAR SPLICES

C.4.1 FOR BEAMS ALL SPLICES SHALL BE LAPPED OR EXTENDED INTO MINIMUM OF 50D UNLESS SHOWN OTHERWISE. HORIZONTAL SPLICES SHALL BE STAGGERED FOR BEAMS AND GIRDERS.

C.4.2 FOR COLUMNS: ALL SPLICES SHALL BE WELDED OR LAPPED LOCATED NEAR THE MIDHEIGHT LEVEL. NO MORE THAN 50% OF THE TOTAL NUMBER OF MAIN BARS SHALL BE SPLICED AT ANY SAME LEVEL LOCATION.

C.5 BUNDLED REINFORCEMENTS

C.5.1 BUNDLED BARS SHALL BE ENCLOSED WITHIN TRANSVERSE REINFORCEMENT. BUNDLED BARS IN COMPRESSION MEMBERS SHALL BE ENCLOSED BY TRANSVERSE REINFORCEMENT AT LEAST 12MM Ø IN SIZE.

C.5.2 BARS LARGER THAN A 36MM Ø SHALL NOT BE BUNDLED IN BEAMS.

C.5.3 DEVELOPMENT LENGTH FOR INDIVIDUAL BARS WITHIN A BUNDLE, IN TENSION OR COMPRESSION, SHALL BE THAT OF INDIVIDUAL BAR, INCREASED 20 PERCENT FOR A THREE-BAR BUNDLE, AND 33 PERCENT FOR A FOUR-BAR BUNDLE.

D. STRUCTURAL STEEL: 1. ALL STRUCTURAL STEEL, BOTH ANGLES AND STEEL PLATES SHALL CONFORM TO ASTM A36 AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 248 MPa (36 ksi). 2. WELDING ELECTRODES SHALL BE E70XX SERIES. 3. MACHINE AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-325, UNLESS NOTED OTHERWISE ON DRAWINGS. 4. STEEL ANCHOR RODS SHALL CONFORM TO ASTM A-36, UNLESS NOTED OTHERWISE ON DRAWINGS.

D. FOUNDATION

D.1 THE FOUNDATION SYSTEM OF THE STRUCTURE IS BASED ON THE ASSUMED SOIL BEARING CAPACITY (SBC) OF 100 KPA. NO SOIL INVESTIGATION ARE CONDUCTED PRIOR TO THE FOUNDATION DESIGN. THE CONTRACTOR SHALL CONFIRM THE APPLICABILITY OF THE SPECIFIED FOUNDATION TYPE BASED ON THE ACTUAL SITE CONDITION. THE FOUNDATION SHALL BE REVISED IF NECESSARY AS DICTATED BY ACTUAL SITE CONDITION.

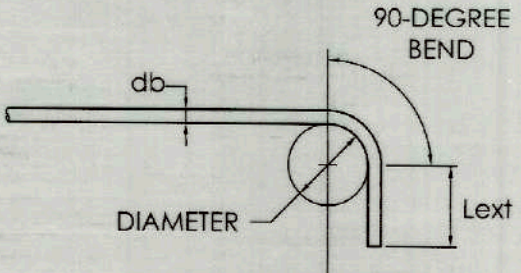
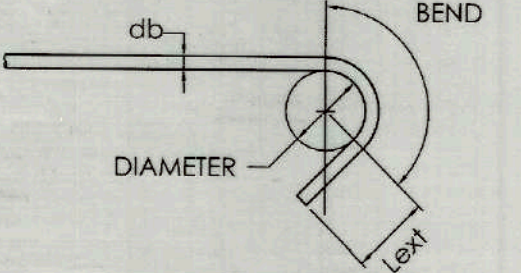
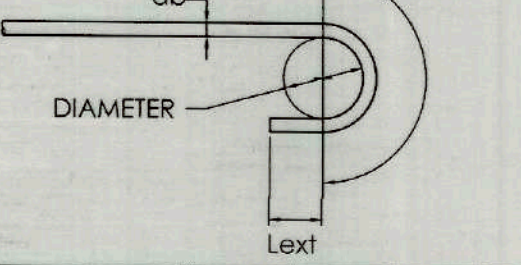
D.2 EXISTING UNDERGROUND PIPES, TUNNELS, ETC., SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR EVALUATION.

D.3 AN EXCAVATION ADJACENT TO AN EXISTING STRUCTURE SHALL BE PROVIDED WITH ADEQUATE SHEET PILING BY THE CONTRACTOR. THE SHEET PILES SHALL BE PROPERLY DESIGNED TO RESIST EARTH AND WATER PRESSURE AS WELL AS SURCHARGE LOADING ON THE FOOTING OF THE ADJACENT EXISTING STRUCTURE.

NOTE: FOR $f_c' = 21 \text{ MPa}$ (3000 psi), $f_y = 276 \text{ MPa}$ (40 ksi)

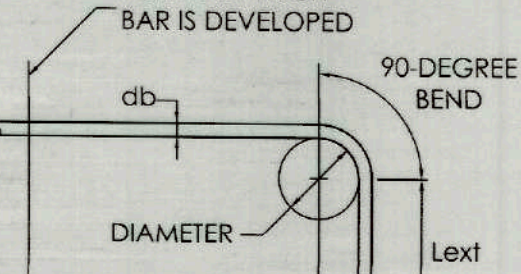
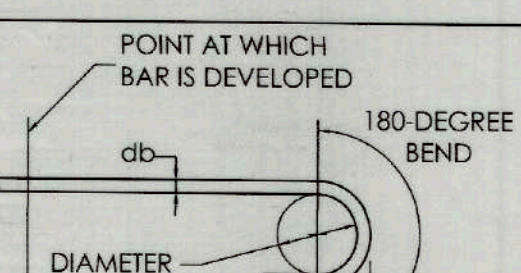
MINIMUM DEVELOPMENT AND SPLICE LENGTHS (mm)									
BAR DIAMETER (mm)	TENSION							COMPRESSION	
	Ld	HOOK Ldh	CLASS A SPLICE=Ld	CLASS B SPLICE=1.3Ld	TOP BARS			Ldc	SPLICE
					Ld	CLASS A SPLICE=Ld	CLASS B SPLICE=1.3Ld		
10	300	150	300	390	390	390	510	200	300
12	345	175	345	450	450	450	585	200	300
16	460	235	460	600	600	600	780	235	315
20	575	290	575	750	750	750	975	290	395
25	890	365	890	1160	1160	1160	1510	365	490
28	995	405	995	1295	1295	1295	1685	405	550
32	1135	465	1135	1480	1480	1480	1925	465	630
36	1280	525	1280	1665	1665	1665	2165	525	710

TABLE 3: TABLE OF LAP SPLICES AND DEVELOPMENT LENGTHS

TYPE OF STANDARD HOOK	BAR SIZE	MIN. INSIDE BEND DIA. (mm)	STRAIGHT EXTENSION ^[1] Lext (mm)	TYPE OF STANDARD HOOK
90-DEGREE HOOK	10mm Ø THROUGH 16mm Ø	4db	GREATER OF 6db AND 75mm	
	20mm Ø THROUGH 25mm Ø	6db	12db	
135-DEGREE HOOK	10mm Ø THROUGH 16mm Ø	4db	GREATER OF 6db AND 75mm	
	20mm Ø THROUGH 25mm Ø	6db		
180-DEGREE HOOK	10mm Ø THROUGH 16mm Ø	4db	GREATER OF 4db AND 65mm	
	20mm Ø THROUGH 25mm Ø	6db		

[1] A STANDARD HOOK FOR STIRRUPS, TIES, AND HOOPS INCLUDES THE SPECIFIC INSIDE BEND DIAMETER AND STRAIGHT EXTENSION LENGTH. IT SHALL BE PERMITTED TO USE A LONGER STRAIGHT EXTENSION AT THE END OF A HOOK. A LONGER EXTENSION SHALL NOT BE CONSIDERED TO INCREASE THE ANCHORAGE CAPACITY OF THE HOOK.

TABLE 2: MINIMUM INSIDE BEND DIAMETERS AND STANDARD HOOK GEOMETRY FOR STIRRUPS, TIES, AND HOOPS

TYPE OF STANDARD HOOK	BAR SIZE	MIN. INSIDE BEND DIA. (mm)	STRAIGHT EXTENSION ^[1] Lext (mm)	TYPE OF STANDARD HOOK
90-DEGREE HOOK	10mm Ø THROUGH 25mm Ø	6db	12db	
	28mm Ø THROUGH 36mm Ø	8db		
	40mm Ø THROUGH 58mm Ø	10db		
180-DEGREE HOOK	10mm Ø THROUGH 25mm Ø	6db	GREATER OF 4db AND 65mm	
	28mm Ø THROUGH 36mm Ø	8db		
	40mm Ø THROUGH 58mm Ø	10db		

[1] A STANDARD HOOK FOR DEFORMED BARS IN TENSION INCLUDES THE SPECIFIC INSIDE BEND DIAMETER AND STRAIGHT EXTENSION LENGTH. IT SHALL BE PERMITTED TO USE A LONGER STRAIGHT EXTENSION AT THE END OF A HOOK. A LONGER EXTENSION SHALL NOT BE CONSIDERED TO INCREASE THE ANCHORAGE CAPACITY OF THE HOOK.

TABLE 3: STANDARD HOOK GEOMETRY FOR DEVELOPMENT OF DEFORMED BARS IN TENSION



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TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY

6th & 7th Floors, Tower 1 Double Dragon Plaza
Mascapagal Avenue corner Edsa Extn. Bay Area

Double Dragon Meridian Park
Pasay City 1308

PROJECT TITLE/LOCATION

CONSTRUCTION OF THE MANGROVE
FOREST TRAIL AND CONSERVATION CENTER

ARTECHE, EASTERN SAMAR

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:

JOSEPH S. QUIBAN
STRUCTURAL DESIGNER

DRAWN BY: MEPR
DATE:

CHECKED BY:

RADY E. ADAME
MANAGER,
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY:

JEFFREY L. MACALALAD
MANAGER,
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RECOMMENDING APPROVAL:

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ASSISTANT CHIEF OPERATING OFFICER,
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APPROVED BY:

MAR T. LARSEN
CHIEF OPERATING OFFICER

SHEET CONTENTS:

STRUCTURAL NOTES

REVISIONS:

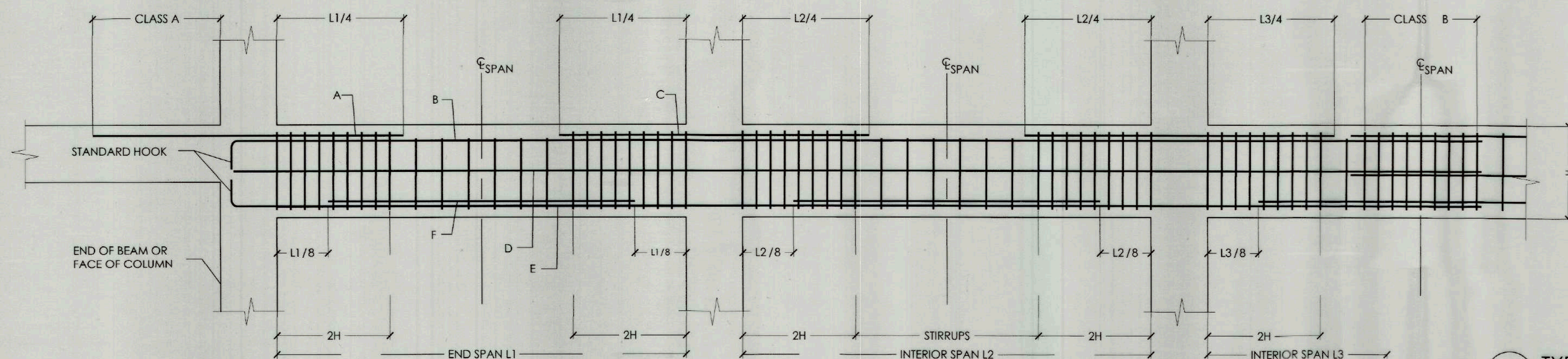
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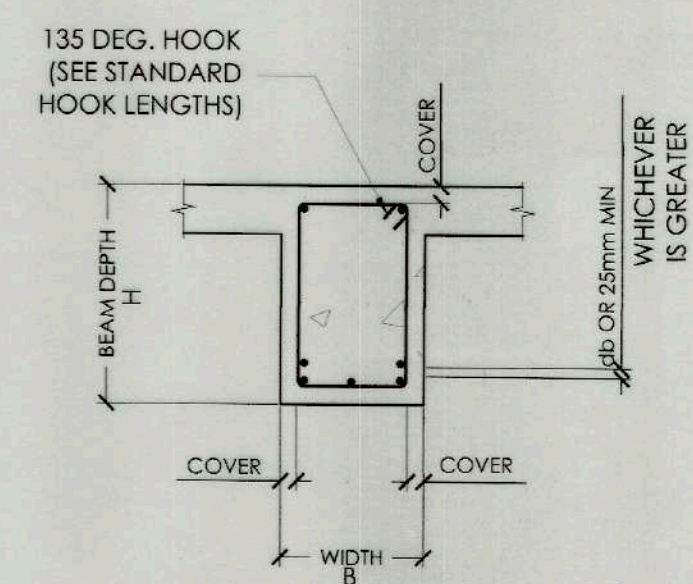
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S 01
04

R8-24-03

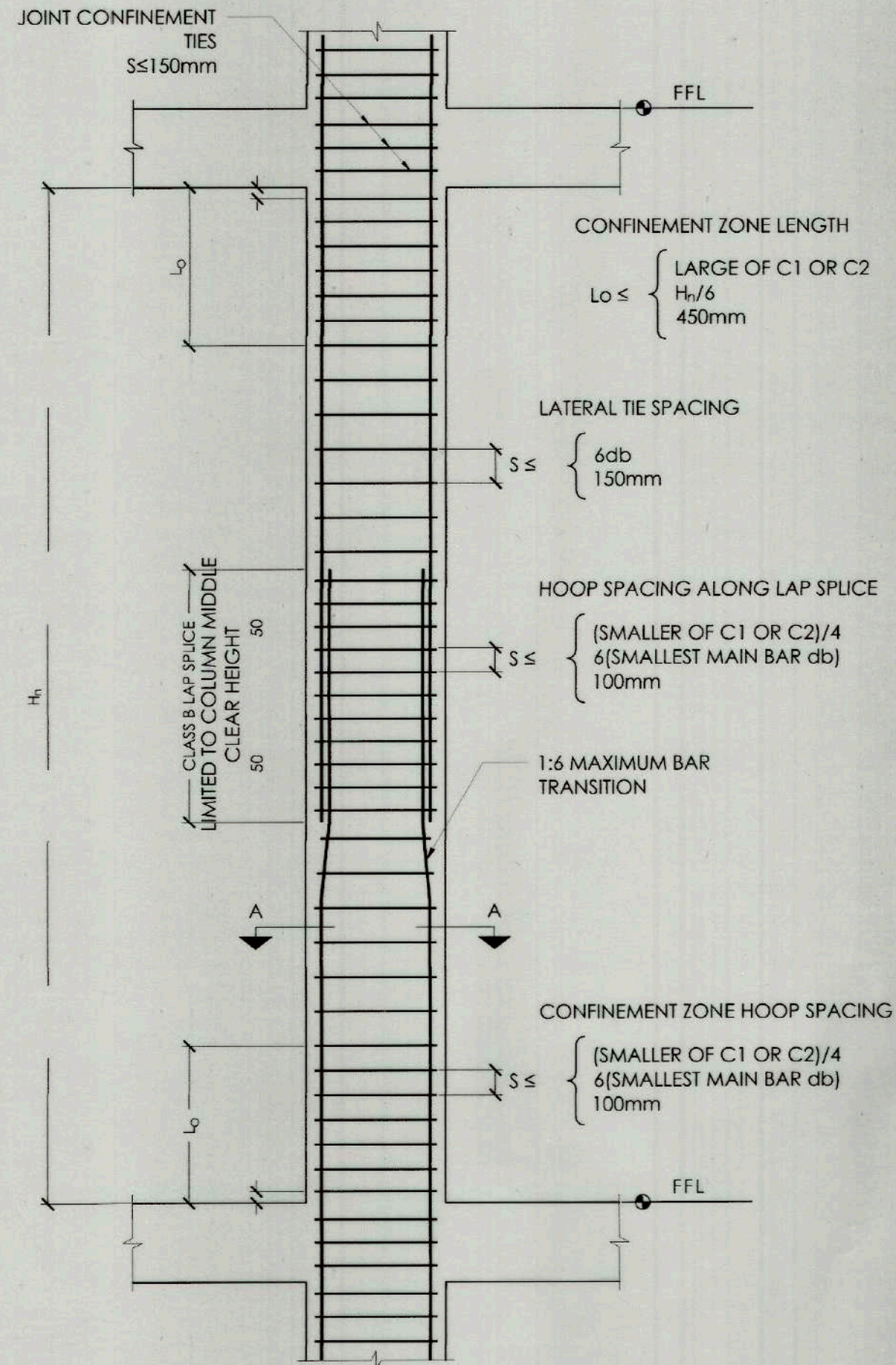


3
S-2
TYPICAL BEAM DETAILS
SCALE: NTS

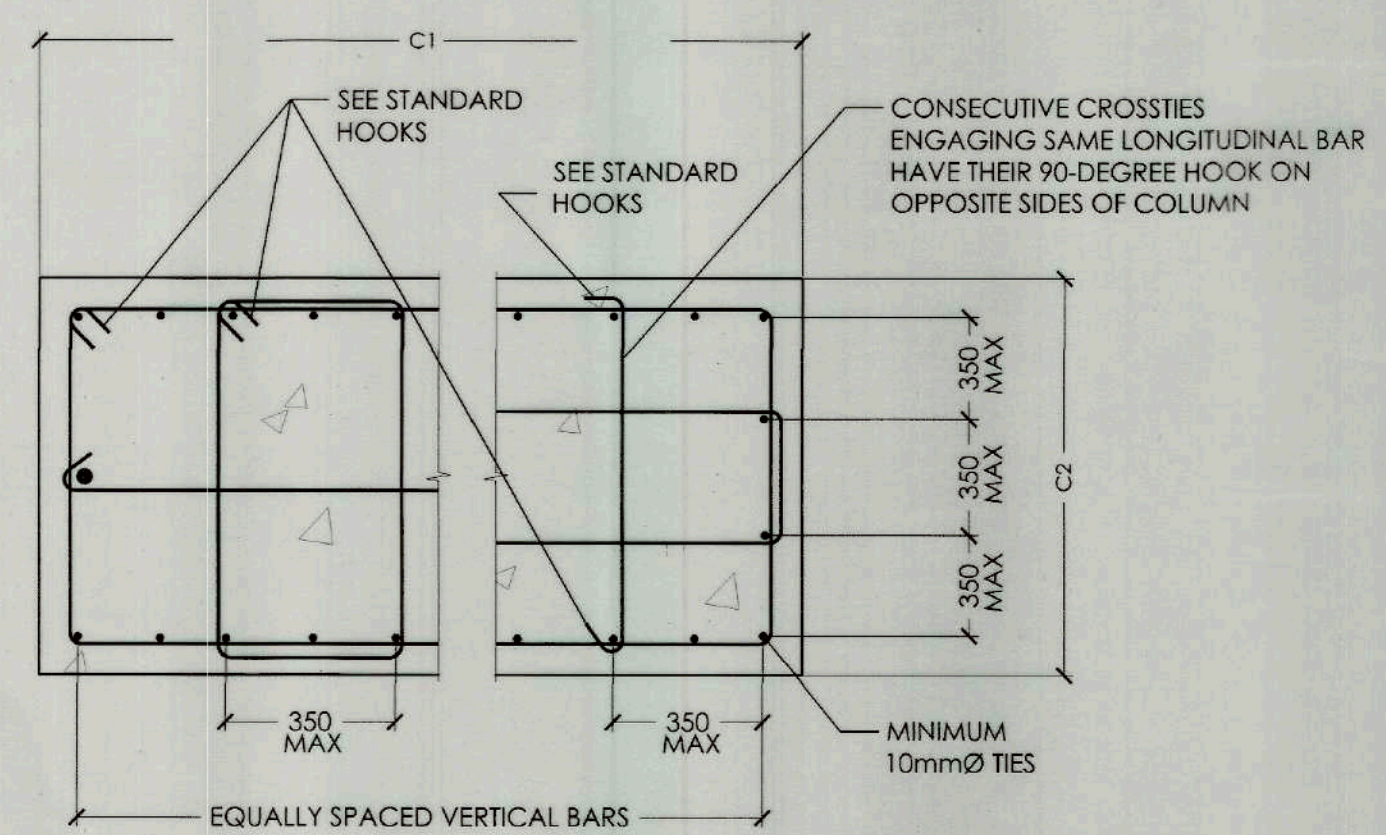


- LEGEND:
- A EXTRA TOP BAR AT LEFT
 - B TOP BARS (CONTINUOUS)
 - C EXTRA TOP BAR AT RIGHT
 - D WEB BARS
 - E BOTTOM BARS (CONTINUOUS)
 - F EXTRA BOTTOM BARS

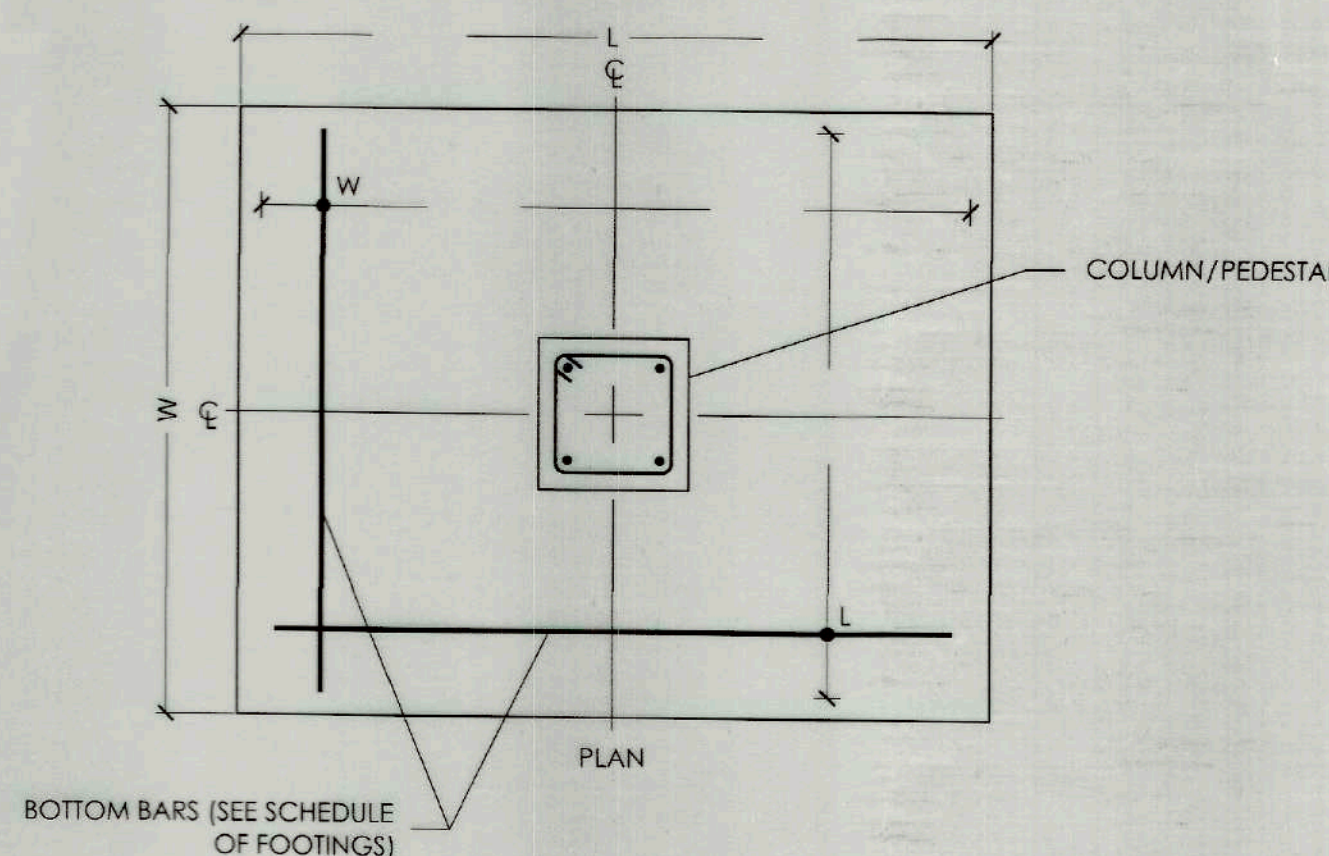
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S-2
TYPICAL BEAM REINFORCEMENT DETAILS
SCALE: NTS



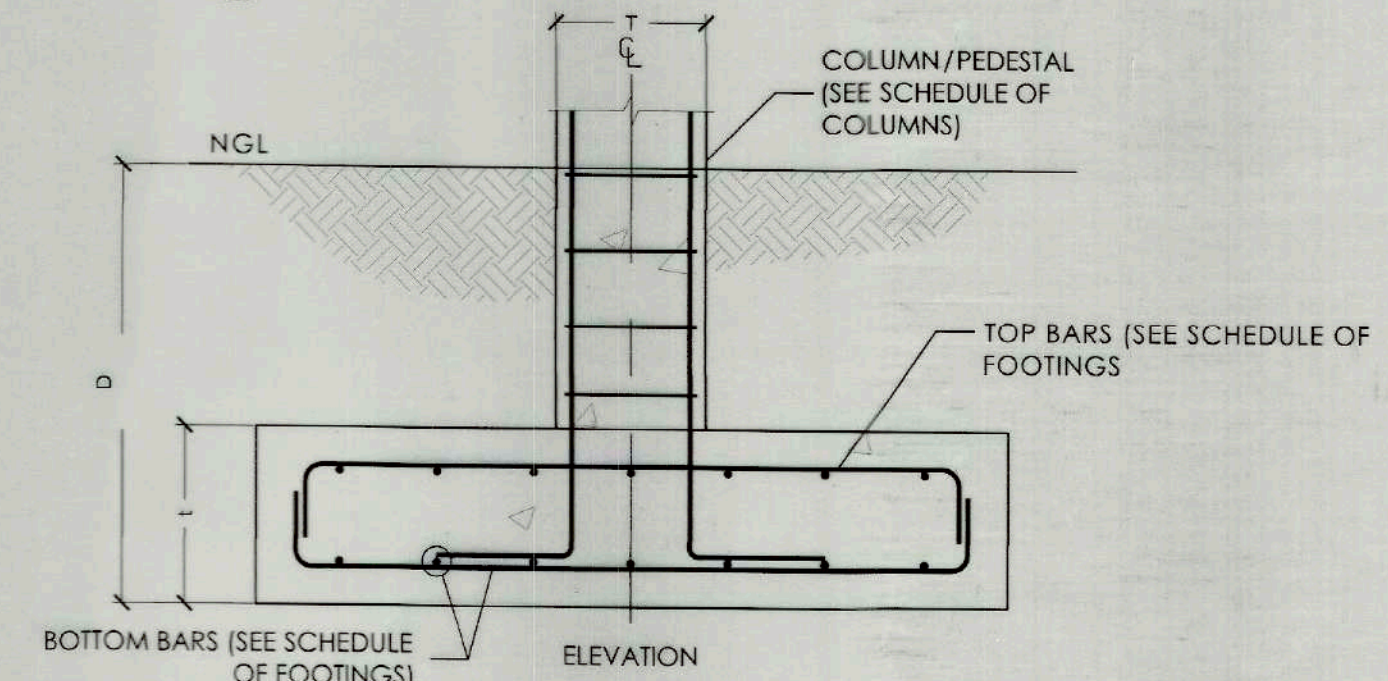
1
S-2
TYPICAL COLUMN DETAILS
SCALE: NTS



2
S-2
TYPICAL COLUMN TIE ARRANGEMENT DETAILS
SCALE: NTS



5
S-2
TYPICAL FOOTING PLAN
SCALE: NTS



6
S-2
TYPICAL FOOTING DETAILS
SCALE: NTS



TIEZA
TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
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PROJECT EVALUATION AND PLANNING DEPARTMENT
PREPARED BY: JOSEPH S. QUIBAN
STRUCTURAL DESIGNER
DRAWN BY: MEPR
DATE:

CHECKED BY: RADY E. ADAME
MANAGER,
PROJECT PLANNING & DESIGN DIVISION

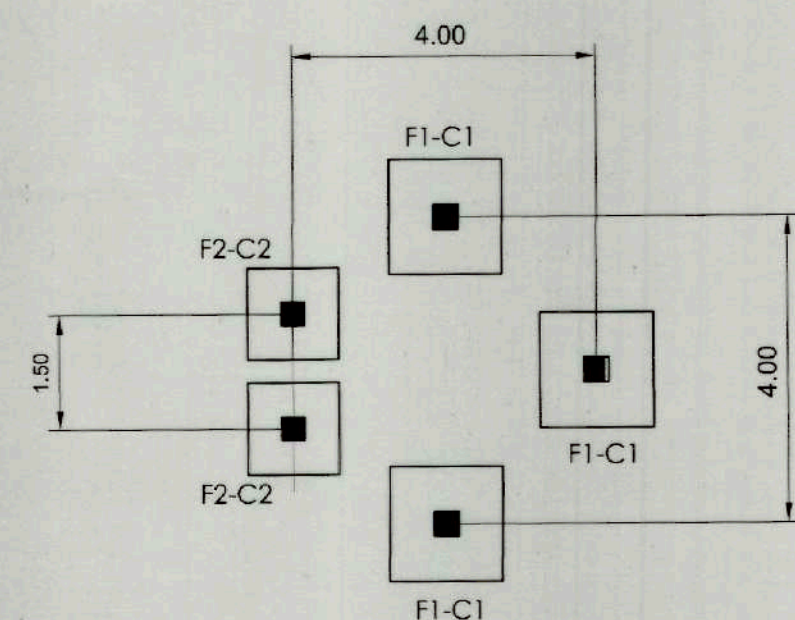
REVIEWED BY: JEOFFREY L. MACALALAD
MANAGER,
PROJECT EVALUATION & PLANNING DEPARTMENT

RECOMMENDING APPROVAL: GREGORY A. OLLER
ASSISTANT CHIEF OPERATING OFFICER,
ARCHITECTURAL & ENGINEERING SERVICES SECTOR

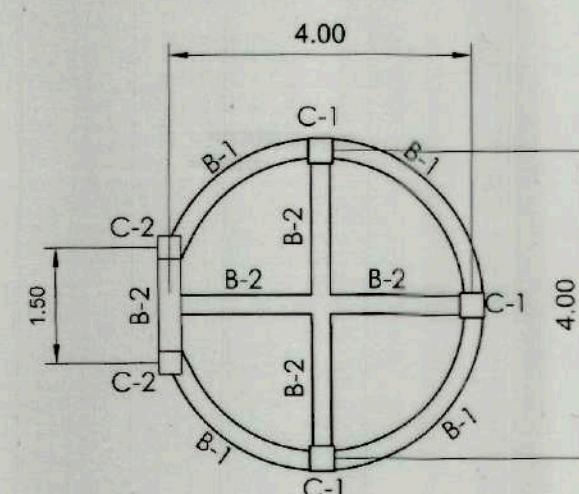
APPROVED BY: MARY T. LADIS
CHIEF OPERATING OFFICER

SHEET CONTENTS: TYPICAL BEAM DETAILS, TYPICAL BEAM REINFORCEMENTS DETAILS, TYPICAL COLUMN DETAILS, TYPICAL COLUMN TIE ARRANGEMENT DETAILS, TYPICAL FOOTING PLAN, TYPICAL FOOTING DETAILS, REVISIONS:
NTS R.A. 9266

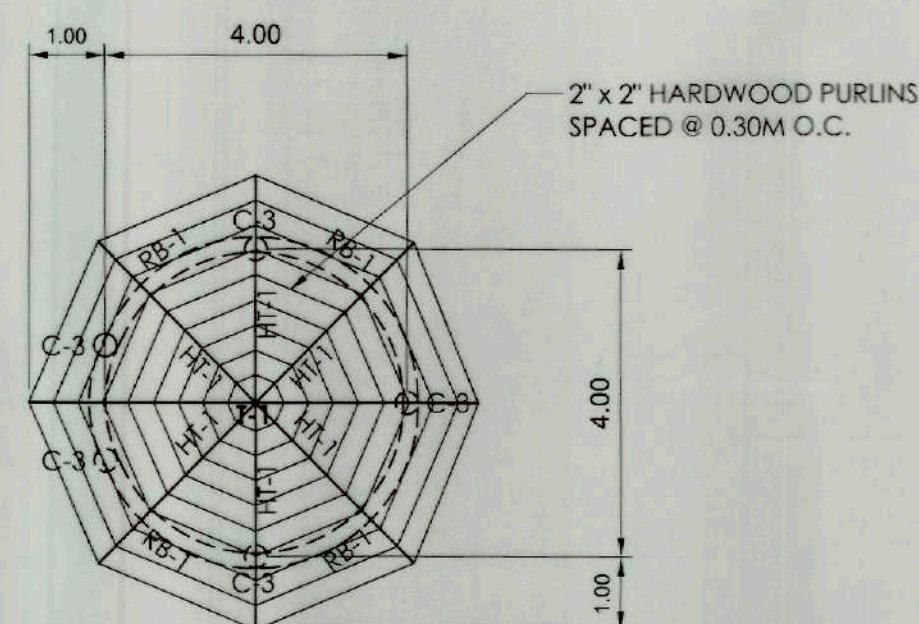
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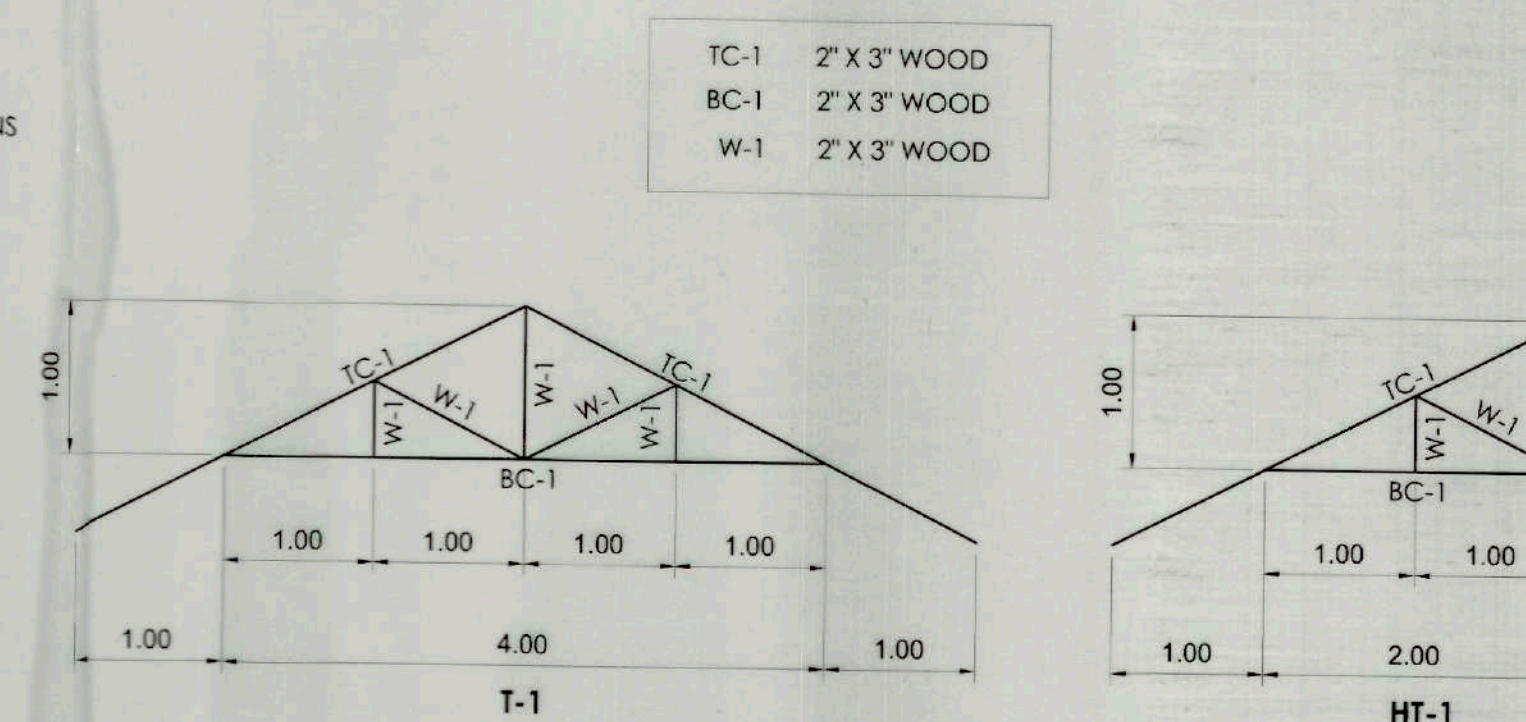
6 STILT GAZEBO FOUNDATION PLAN
S-03 SCALE 1: 100M



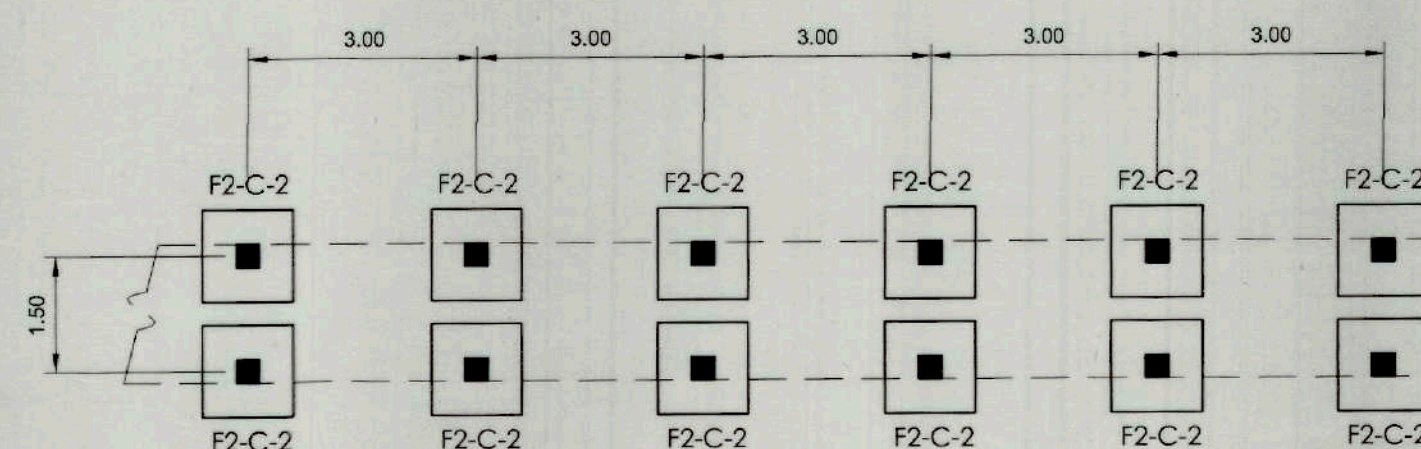
7 STILT GAZEBO FLOOR FRAMING PLAN
S-03 SCALE 1: 100M



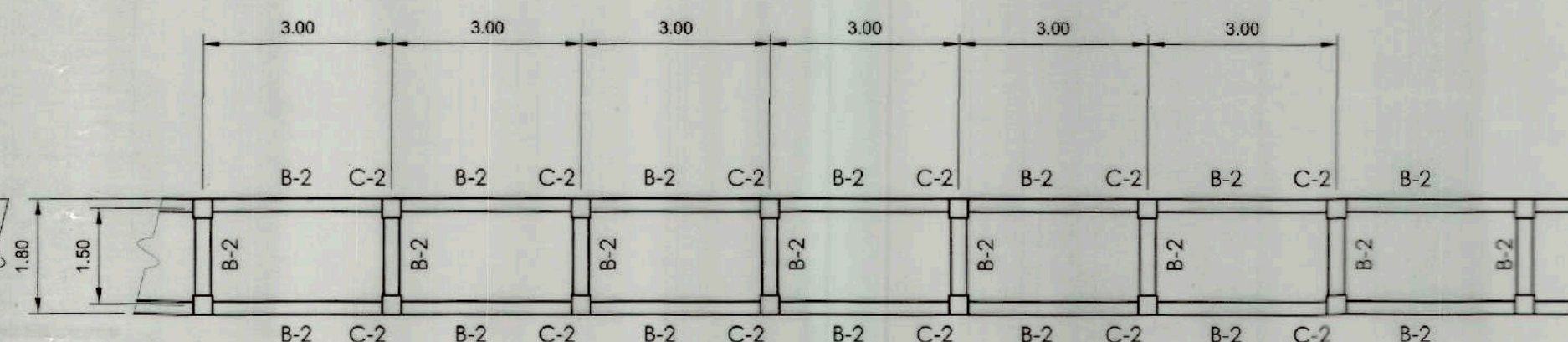
8 STILT GAZEBO ROOF FRAMING PLAN
S-03 SCALE 1: 100M



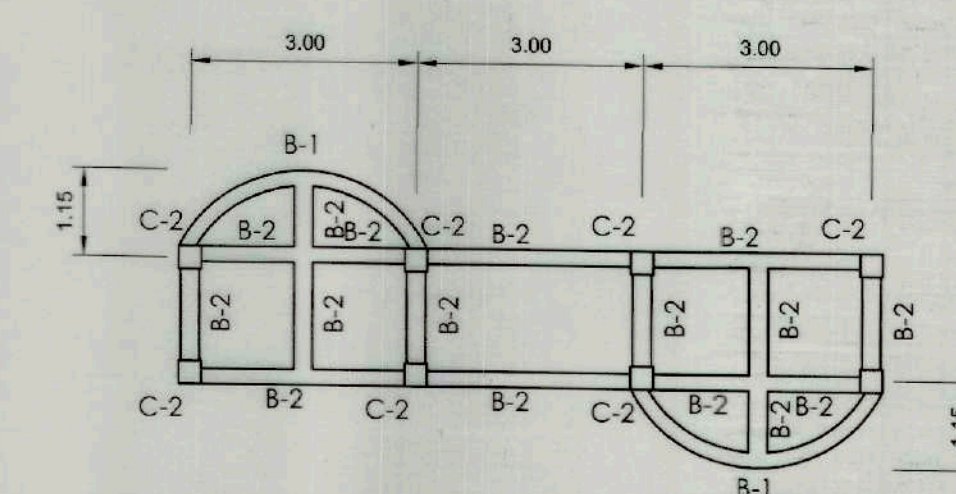
9 STILT GAZEBO TRUSS DETAIL
S-03 SCALE 1: 50M



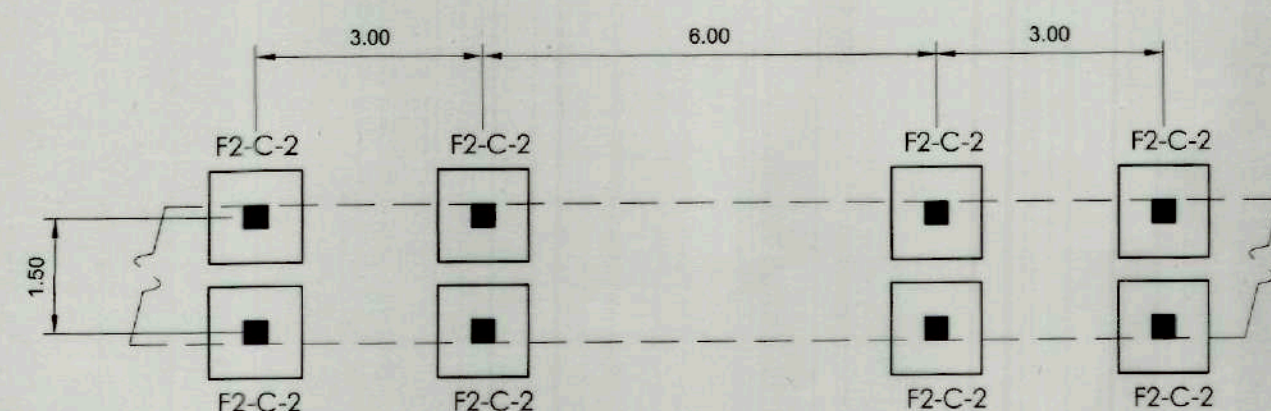
3 TYPICAL BOARDWALK FOUNDATION PLAN
S-03 SCALE 1: 100M



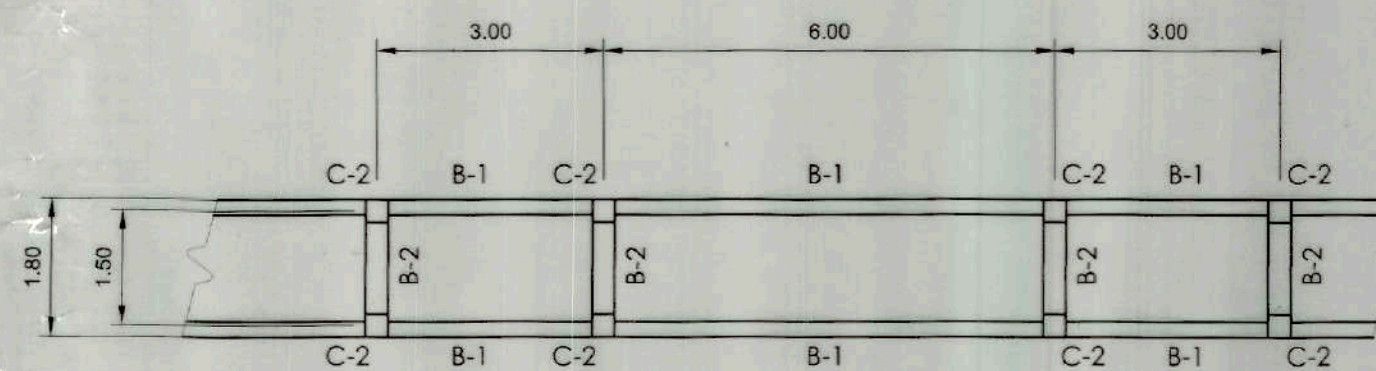
4 TYPICAL BOARDWALK FLOOR FRAMING PLAN
S-03 SCALE 1: 100M



5 REST AREA FLOOR FRAMING PLAN
S-03 SCALE 1: 100M



1 FOOT BRIDGE FOUNDATION PLAN
S-03 SCALE 1: 100M



2 FOOT BRIDGE FLOOR FRAMING PLAN
S-03 SCALE 1: 100M



TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6th & 7th FLR. TOWER 1 DOUBLE DRAGON PLAZA
DOUBLE DRAGON MERIDIAN PARK, MACAPAGAL AVENUE
CORNER EDSA EXTENSION BAY AREA PASAY CITY 1308

PROJECT TITLE/LOCATION

CONSTRUCTION OF THE MANGROVE
FOREST TRAIL AND CONSERVATION CENTER

ARTECHE, EASTERN SAMAR

PROJECT EVALUATION AND PLANNING DEPARTMENT

PREPARED BY:

JOSEPH S. QUIBAN
STRUCTURAL DESIGNER

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CHECKED BY:

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REVIEWED BY:

JEFFREY L. MACALALAD
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ARCHITECTURAL & ENGINEERING SERVICES SECTOR

APPROVED BY:

MARY T. LAPID
CHIEF OPERATING OFFICER

SHEET CONTENTS:

AS SHOWN

REVISIONS:

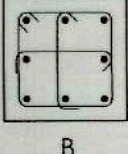
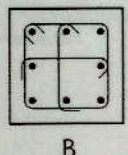
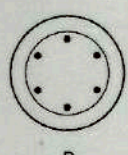
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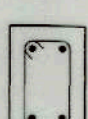
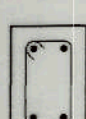
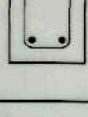
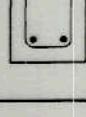




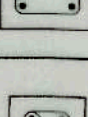
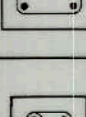
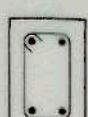
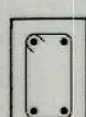




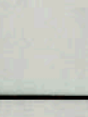

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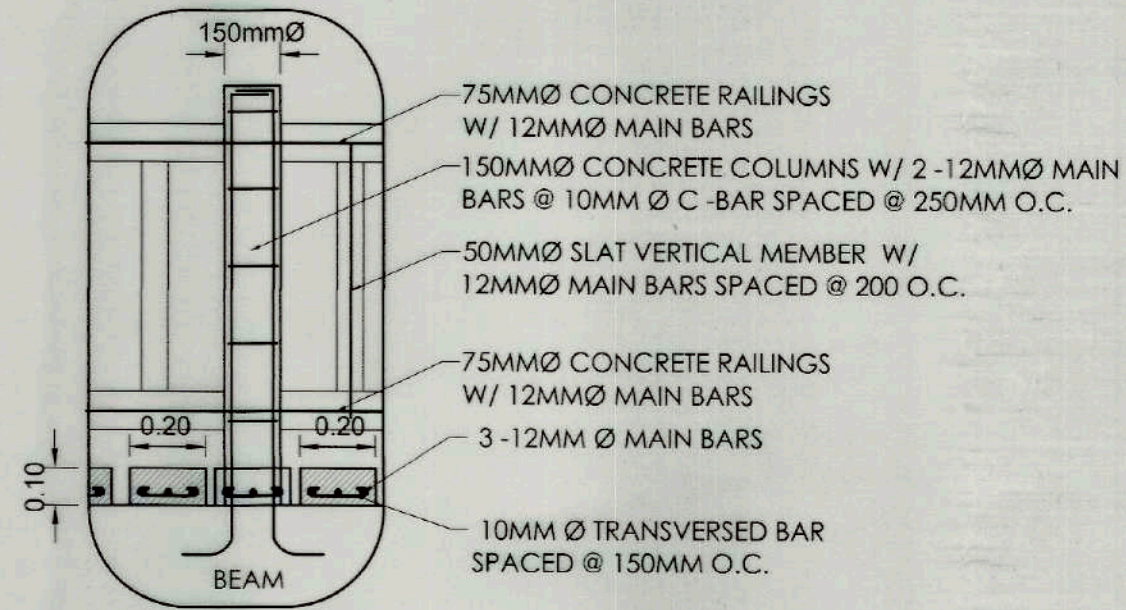
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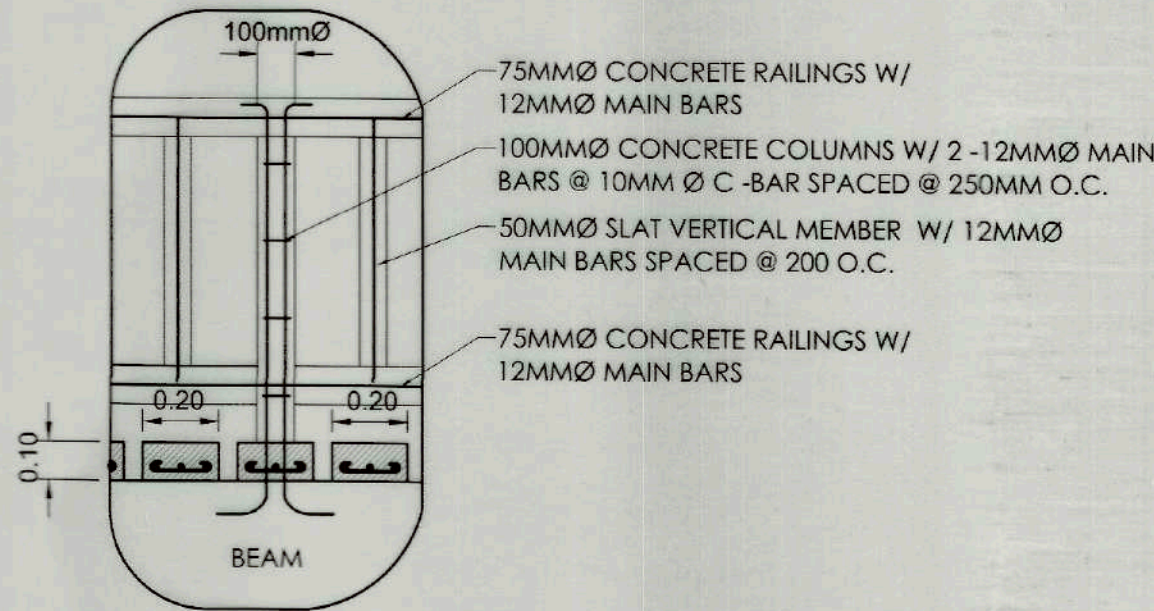
SCHEDULE OF COLUMNS								
LEVEL	MARK	DIMENSION (MM)		SECTION	MAIN BAR	REINFORCEMENTS		
						LATERAL TIES		
		B	H			DIAMETER	SET OF TIES	SPACING
BOARDWALK TO FOUNDATION	C-1	0.325	0.325		8-16MMØ	12MMØ	3	1@50, 7@100, REST@150
BOARDWALK TO FOUNDATION	C-2	0.30	0.30		8-16MMØ	12MMØ	3	1@50, 7@100, REST@150
ROOF TO BOARDWALK	C-3	0.30 (DIAMETER)			6-16MMØ	12MMØ	1	1@50, 4@100, REST@150

SCHEDULE OF FOOTINGS								
MARK	DIMENSION (MM)				REINFORCEMENTS			
	LENGTH	WIDTH	THICKNESS	DEPTH	BOTTOM BARS		TOP BARS	
	L	W	T	D	ALONG L	ALONG W	ALONG L	ALONG W
F-1	1.50	1.50	0.40	1.50	16Ø @ 0.20	16Ø @ 0.20	-	-
F-2	1.20	1.20	0.40	1.50	16Ø @ 0.20	16Ø @ 0.20	-	-

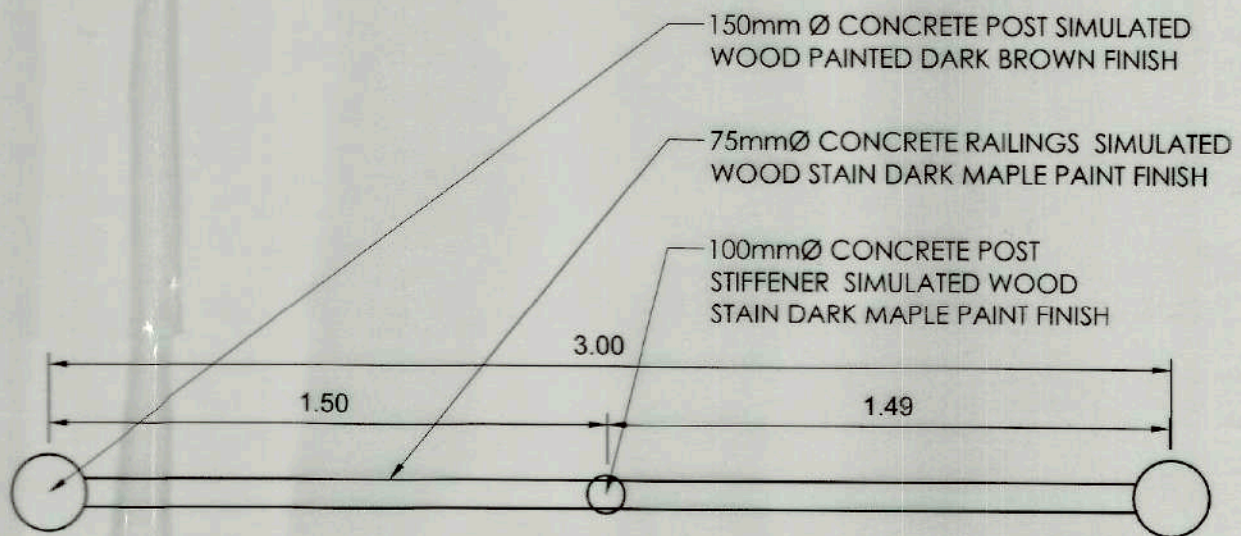
SCHEDULE OF BEAMS								
LEVEL	MARK	DIMENSION (MM)		BAR POSITION	REINFORCEMENTS			STIRRUPS
					SUPPORT		MID SPAN	
		B	H					
ROOF	RB-1	0.20	0.30	TOP BAR		2-16MMØ		2-16MMØ
				WEB BAR		-		-
				BOTTOM BAR		2-16MMØ		2-16MMØ
BOARDWALK LEVEL	B-1	0.25	0.35	TOP BAR		3-16MMØ		2-16MMØ
				WEB BAR		-		-
				BOTTOM BAR		2-16MMØ		2-16MMØ
	B-2	0.20	0.30	TOP BAR		2-16MMØ		2-16MMØ
				WEB BAR		-		-
				BOTTOM BAR		2-16MMØ		2-16MMØ



3 DETAIL -1 AS/4
S-04 SCALE 1: 20M



2 DETAIL -2 AS/4
S-04 SCALE 1: 20M



1 PLAN VIEW
S-04 SCALE 1: 20M



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TOURISM INFRASTRUCTURE
AND ENTERPRISE ZONE AUTHORITY
6th & 7th Floors, Tower 1 Double Dragon Plaza
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Pasay City 1308

PROJECT TITLE/LOCATION
CONSTRUCTION OF THE MANGROVE
FOREST TRAIL AND CONSERVATION CENTER
ARTECHE, EASTERN SAMAR

PROJECT EVALUATION AND PLANNING DEPARTMENT
PREPARED BY: JOSEPH S. QUIBAN
STRUCTURAL DESIGNER
DRAWN BY: MEPR
DATE:

CHECKED BY: RADY E. ADAME
MANAGER,
PROJECT PLANNING & DESIGN DIVISION

REVIEWED BY: GEOFFREY L. MACALALAD
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PROJECT EVALUATION & PLANNING DEPARTMENT

RECOMMENDING APPROVAL: GREGORY A. OLLER
ASSISTANT CHIEF OPERATING OFFICER,
ARCHITECTURAL & ENGINEERING SERVICES SECTOR

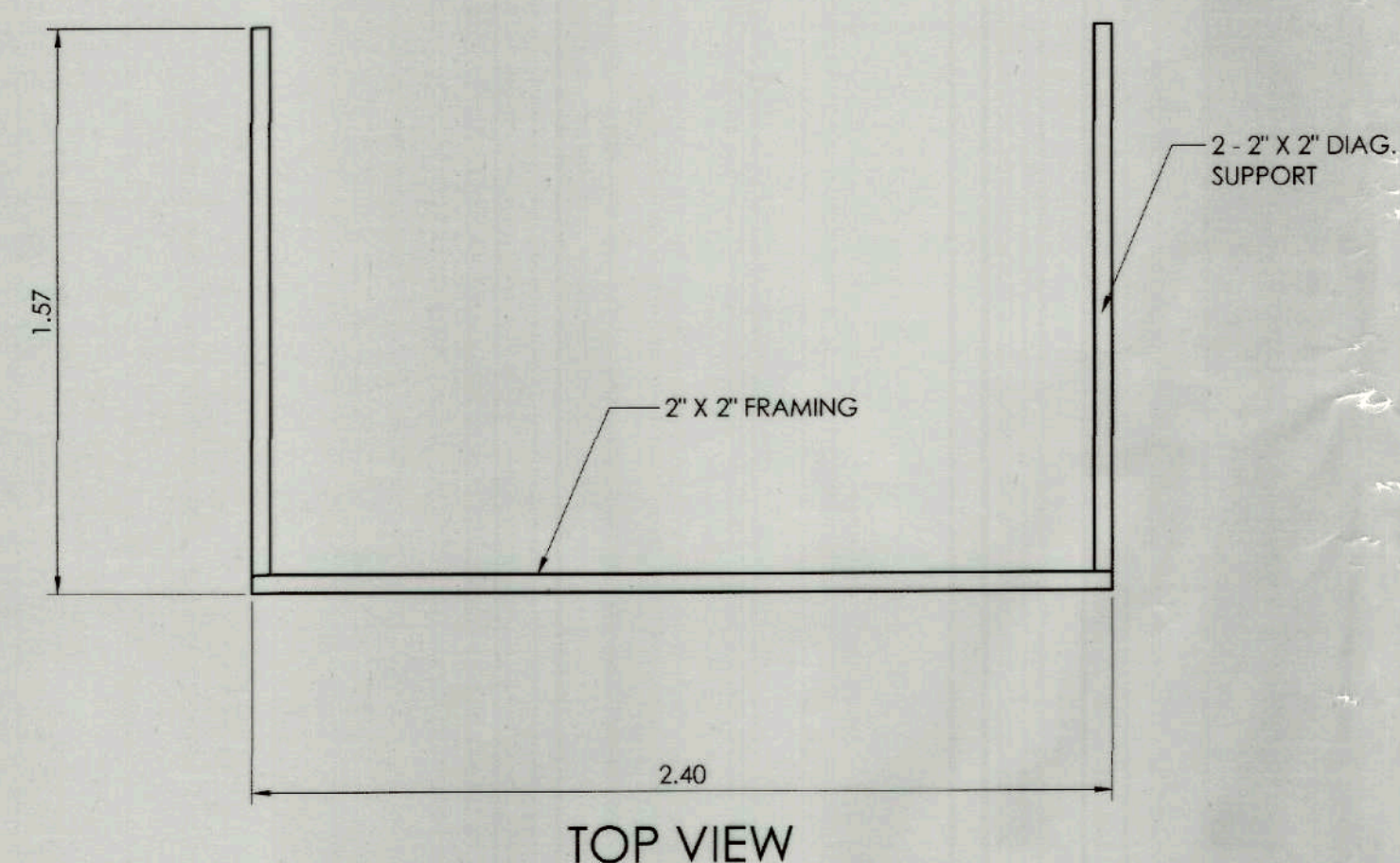
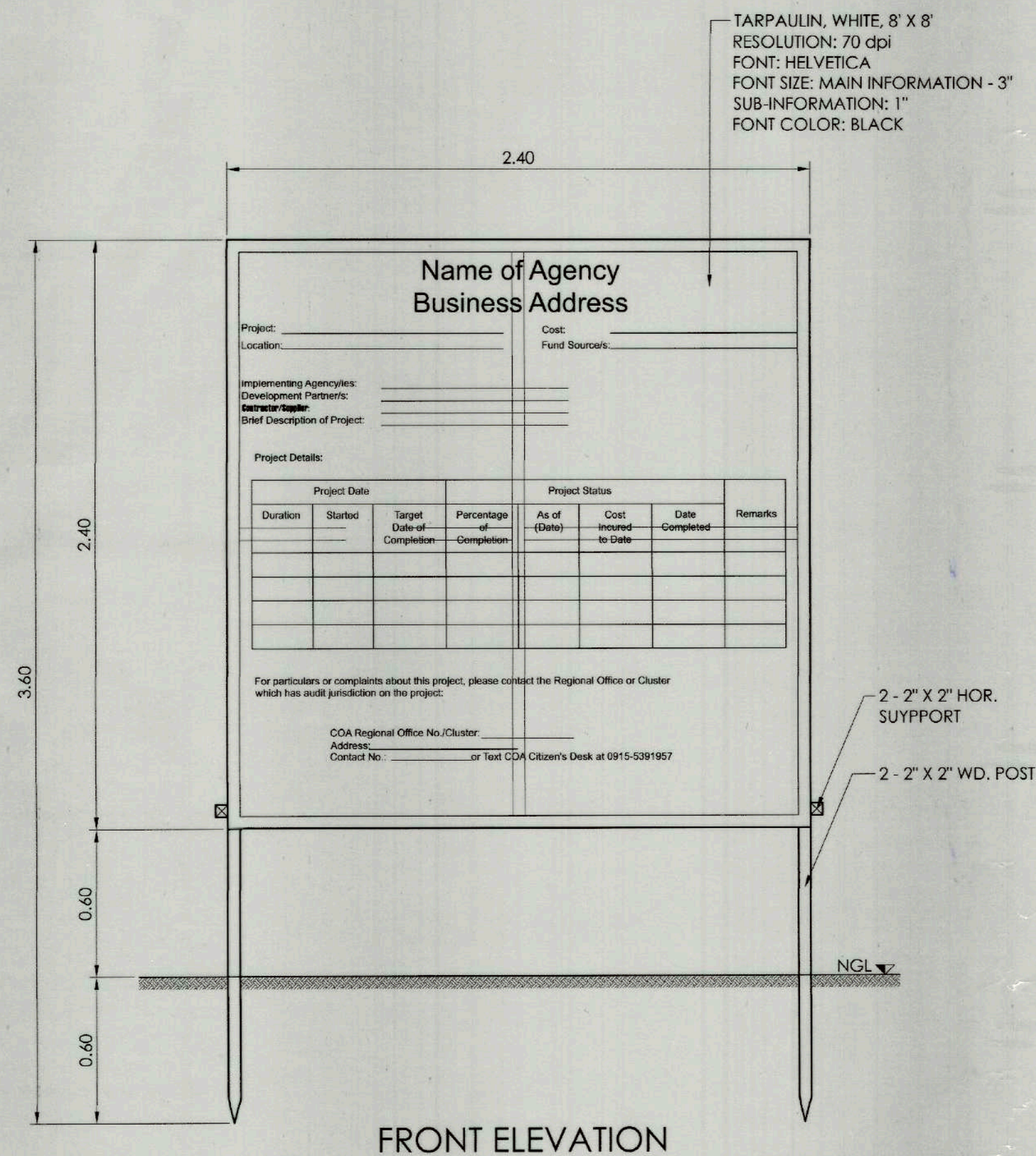
APPROVED BY: MARY T. LAPID
CHIEF OPERATING OFFICER

SHEET CONTENTS: TYPICAL BEAM DETAILS, TYPICAL BEAM REINFORCEMENTS DETAILS, TYPICAL COLUMN TIE ARRANGEMENT DETAILS, TYPICAL FOOTING PLAN, TYPICAL FOOTING DETAILS, REVISIONS:

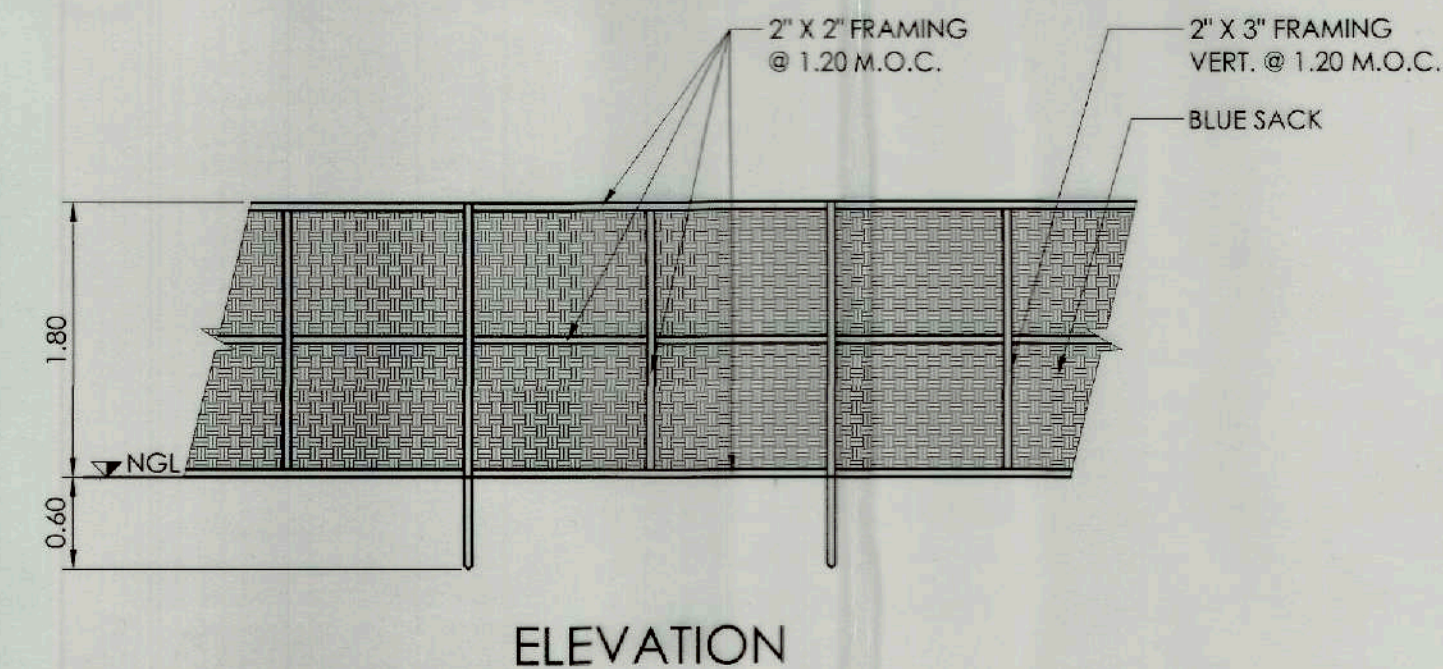
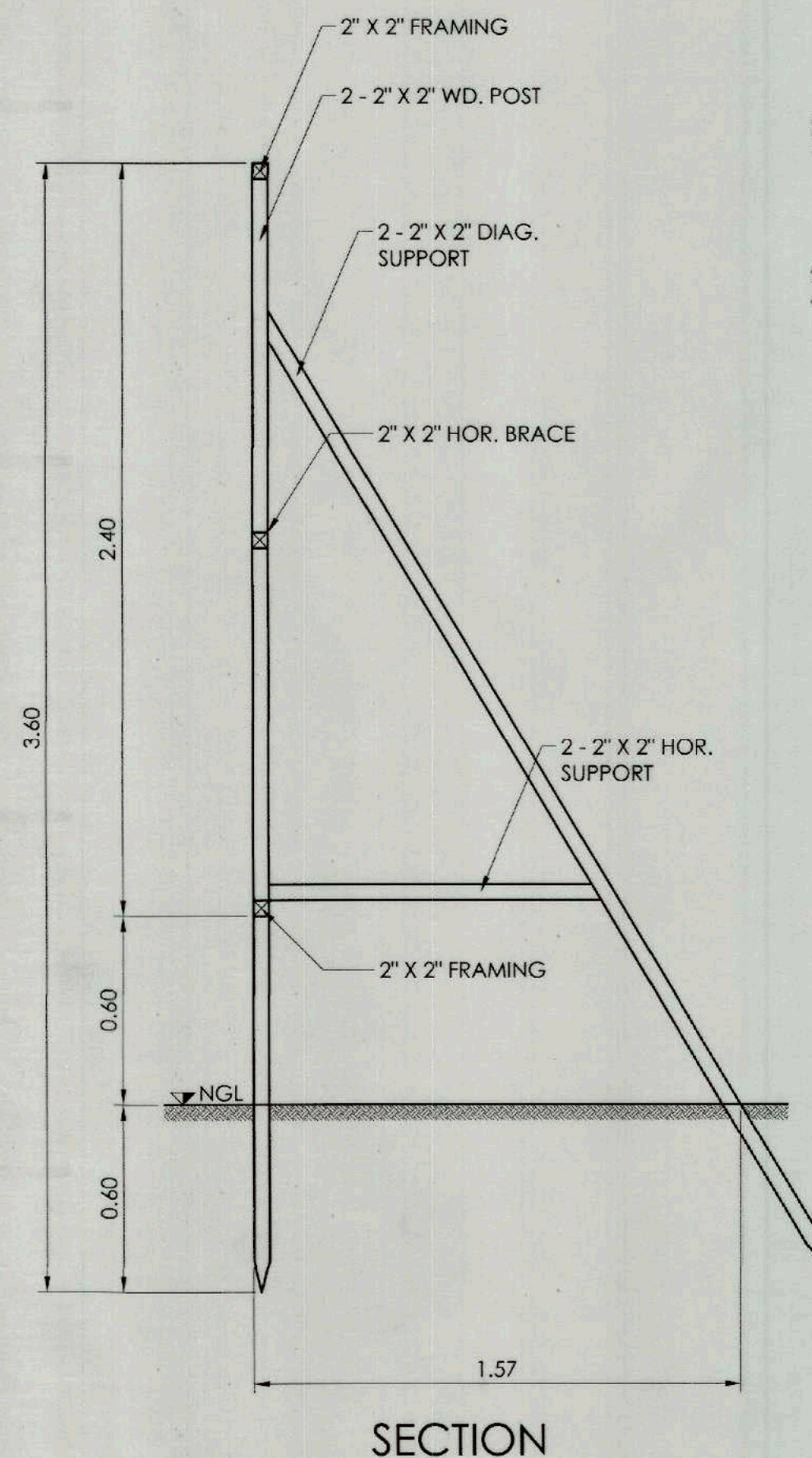
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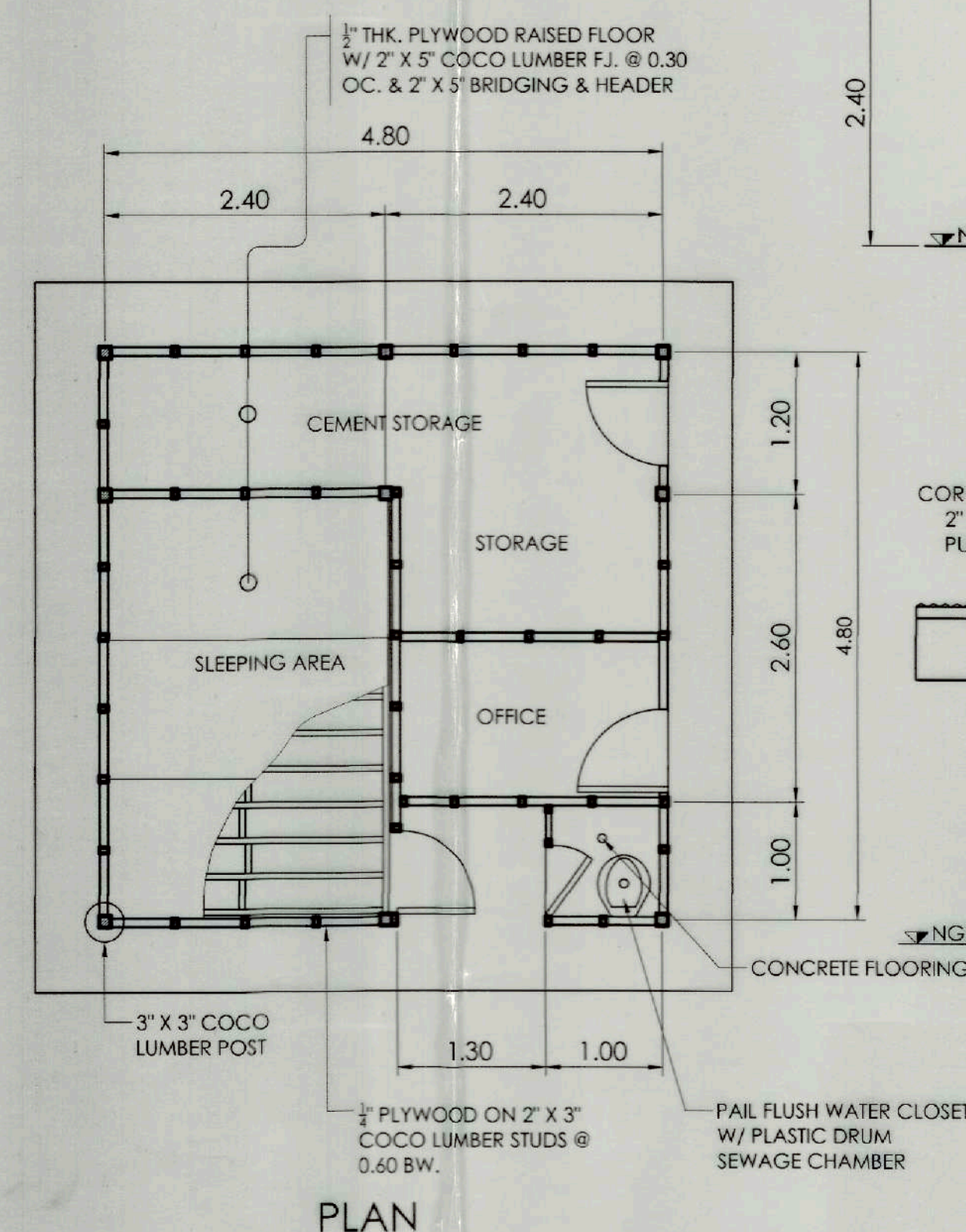
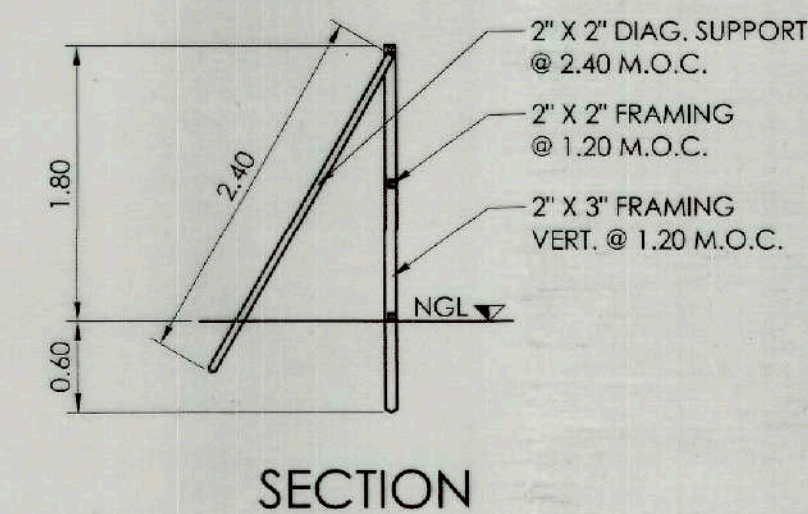
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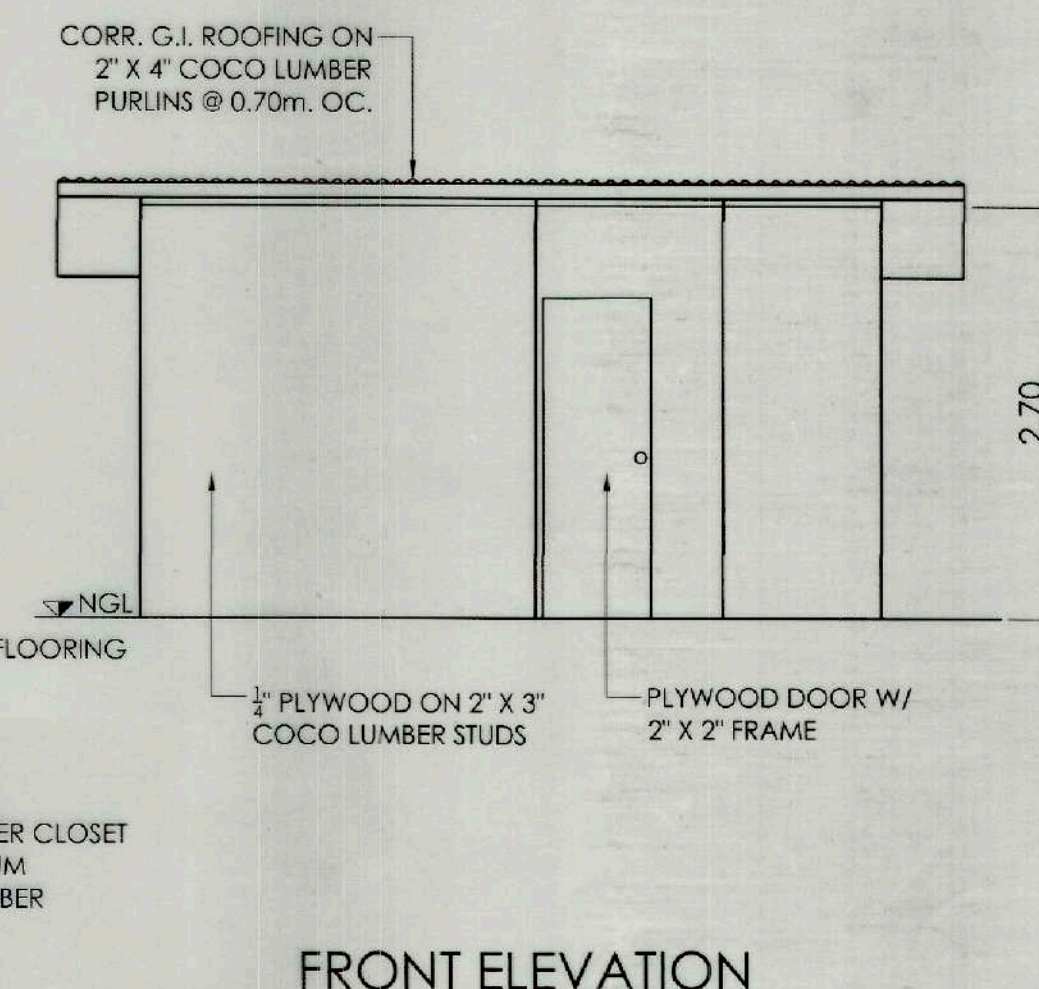
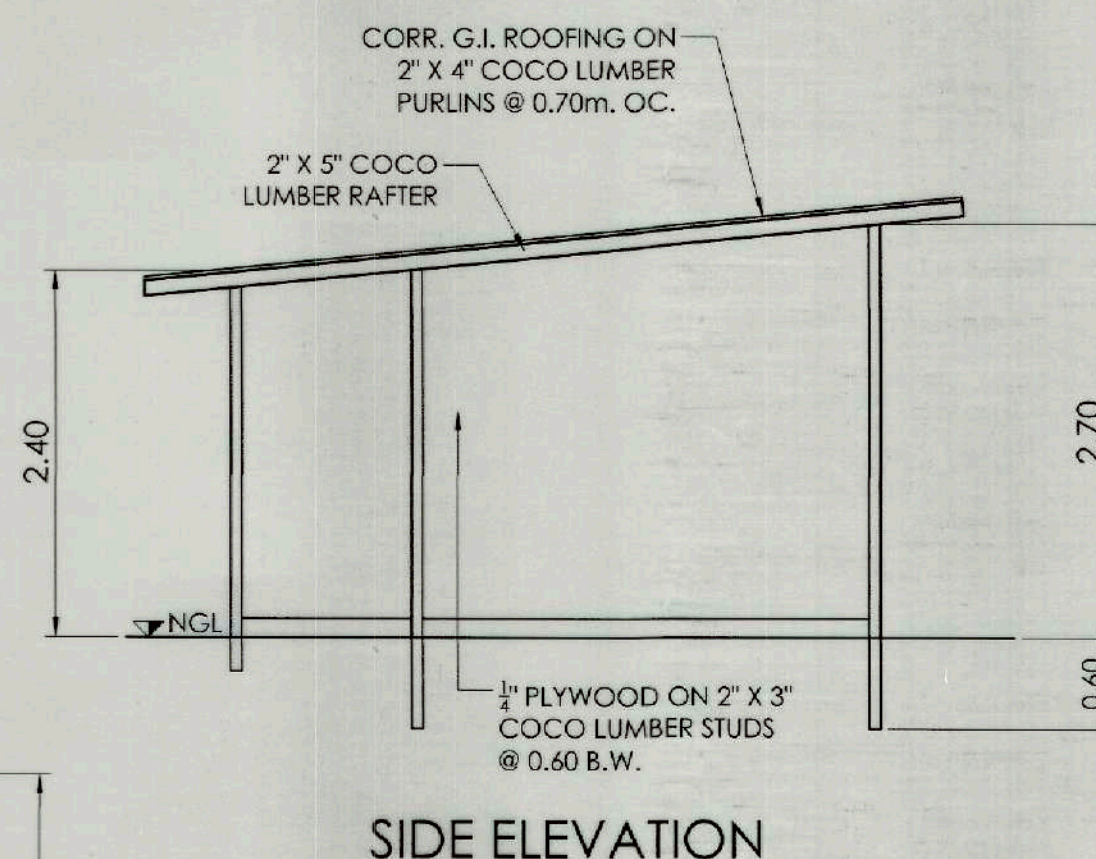
1 SIGNAGE
TF-01 SCALE 1: 20M



2 TEMPORARY ENCLOSURE
TF-01 SCALE 1: 50M



3 TEMPORARY BARRACKS
TF-01 SCALE 1: 50M



TOURISM INFRASTRUCTURE
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PROJECT EVALUATION AND PLANNING DEPARTMENT
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CHECKED BY: RADY E. ADAME
REVIEWED BY: GEOFFREY L. MACALALAD
DRAWN BY: TDE
MANAGER
PROJECT PLANNING & DESIGN DIVISION

RECOMMENDING APPROVAL:
GREGORY A. OLLER
ASSISTANT CHIEF OPERATING OFFICER
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APPROVED BY:
MARK T. LARDA
CHIEF OPERATING OFFICER

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