


REPUBLIC OF THE PHILIPPINES
PHILIPPINE CARABAO CENTER
DEPARTMENT OF AGRICULTURE

**Continuation of the Completion of the
Construction of Institutional Herd
Facilities at PCC CSU**

Piat, Cagayan

- Communal Pens (House 4 & 5)
- Wastewater Treatment Facility

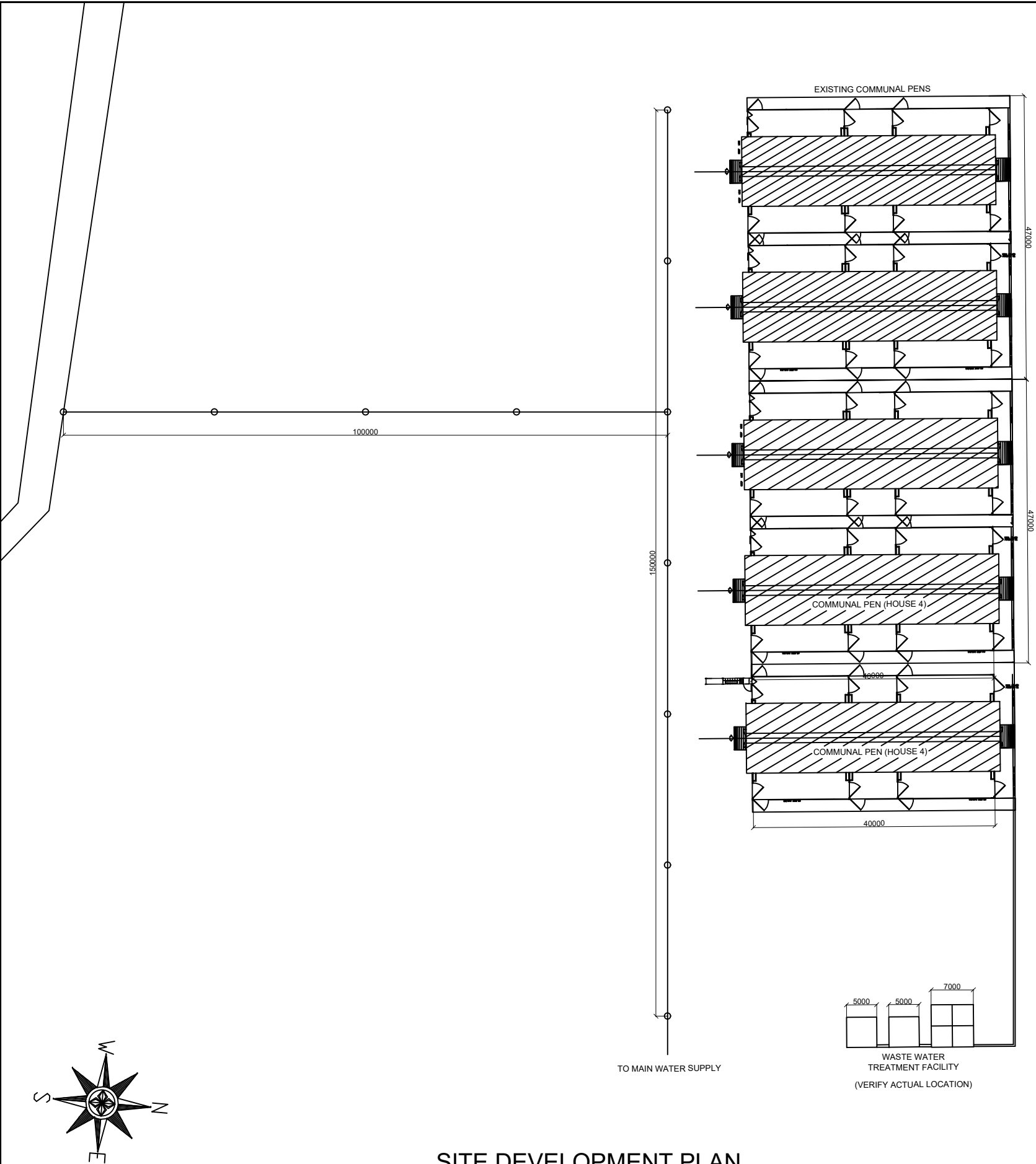
	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:	CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL:	PROJECT TITLE/LOCATION:	APPROVED BY:	SHEET No.
		ENGR. JEAN HAROLD F. REAMICO <small>ENGINEER I, LIVESTOCK ENGINEERING SECTION PHILIPPINE CARABAO CENTER</small>	ENGR. CRIS Y. GUZON <small>HEAD, GENERAL SERVICES SECTION PHILIPPINE CARABAO CENTER</small>	DR. ROVINA R. PIÑERA <small>CENTER DIRECTOR PHILIPPINE CARABAO CENTER - CSU</small>	CONTINUATION OF THE COMPLETION OF THE CONSTRUCTION OF INSTITUTIONAL HERD FACILITIES AT PCC- CSU Piat, Cagayan	DR. LIZA G. BATTAD <small>EXECUTIVE DIRECTOR PHILIPPINE CARABAO CENTER</small>	F-01 01 03



VICINITY MAP



SITE DEVELOPMENT PLAN



SITE DEVELOPMENT PLAN

NOTE:VERIFY ON ACTUAL SITE



PHILIPPINE CARABAO CENTER
NATIONAL GENE POOL & HEADQUARTERS
CLSU Cpd., Science City of Munoz, Nueva Ecija

PREPARED BY:
ENGR. JEAN HAROLD F. REAMICO
ENGINEER I LIVESTOCK ENGINEERING SECTION
PHILIPPINE CARABAO CENTER

PRJ. ID:
PTR. NO:
ISSUED ON:
ISSUED AT:

CHECKED AND REVIEWED BY:
ENGR. CRIS Y. GUZON
HEAD, LIVESTOCK ENGINEERING SECTION
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:
DR. ROVINA R. PIÑERA
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - CSU

PROJECT TITLE/LOCATION:
**Continuation of the Completion of the Construction
of Institutional Herd Facilities at PCC-CSU**
Piat, Cagayan

APPROVED BY:
DR. LIZA G. BATTAD
EXECUTIVE DIRECTOR
PHILIPPINE CARABAO CENTER

SHEET No.
F-02
02 | 03

Remaining Works

Backfilling Works

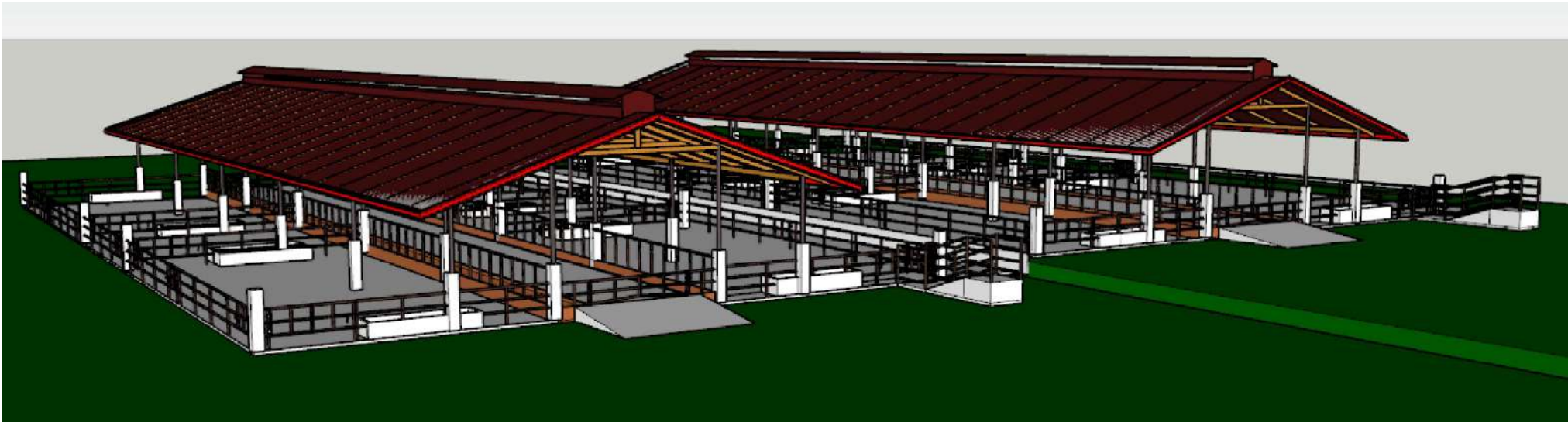
Communal Pens:

- Reinforced Concrete Works
 - Reinstallation of Anchor Bolt (J-type) at Concrete Column.
 - Fabrication of RSB for Column and FTB (Load/Unload Dock)
- Masonry Works
 - Construction of Ramps
 - Construction of Loading/Unloading Dock (Located at Communal Pen House No. 5)
 - Construction of Drinking Trough
 - Construction of Drainage
- Metal Structure
 - Installation of Column (Metal) and Beam
 - Installation of Fence and Gates

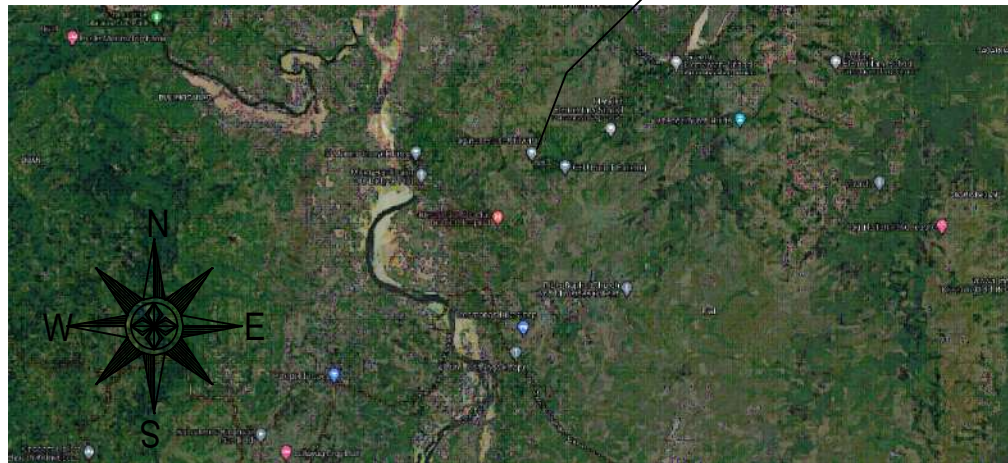
- Roofing Works
- Plumbing Works
- Electrical Works

Wastewater Treatment Facility:

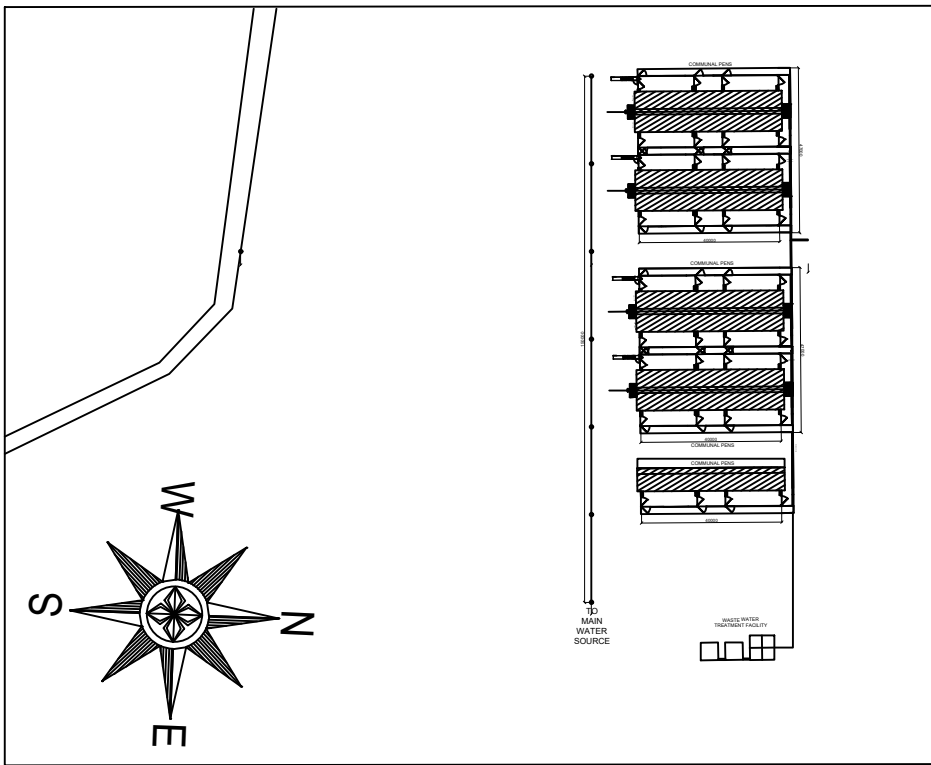
- Reinforce Concrete Works
- Masonry and Plumbing Works



PERSPECTIVE



VICINITY MAP



SITE DEV PLAN

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REPUBLIC OF THE PHILIPPINES

OFFICE OF THE BUILDING OFFICIAL

LINE & GRADE

LAND USE & ZONING

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

MECHANICAL



PHILIPPINE CARABAO CENTER
NATIONAL GENE POOL & HEADQUARTERS

CLSU Cpd., Science City of Munoz, Nueva Ecija

PREPARED BY:

AR. ANA FRANCESCA C. DUCUSIN
ARCHITECT I, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

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CONTINUATION OF THE COMPLETION
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AT PCC-CSU (COMMUNAL PEN 4 & 5)
PIAT, CAGAYAN

APPROVED BY:

DR. LIZA G. BATTAD
EXECUTIVE DIRECTOR,
PHILIPPINE CARABAO CENTER

DRAFTED BY:

JHFR

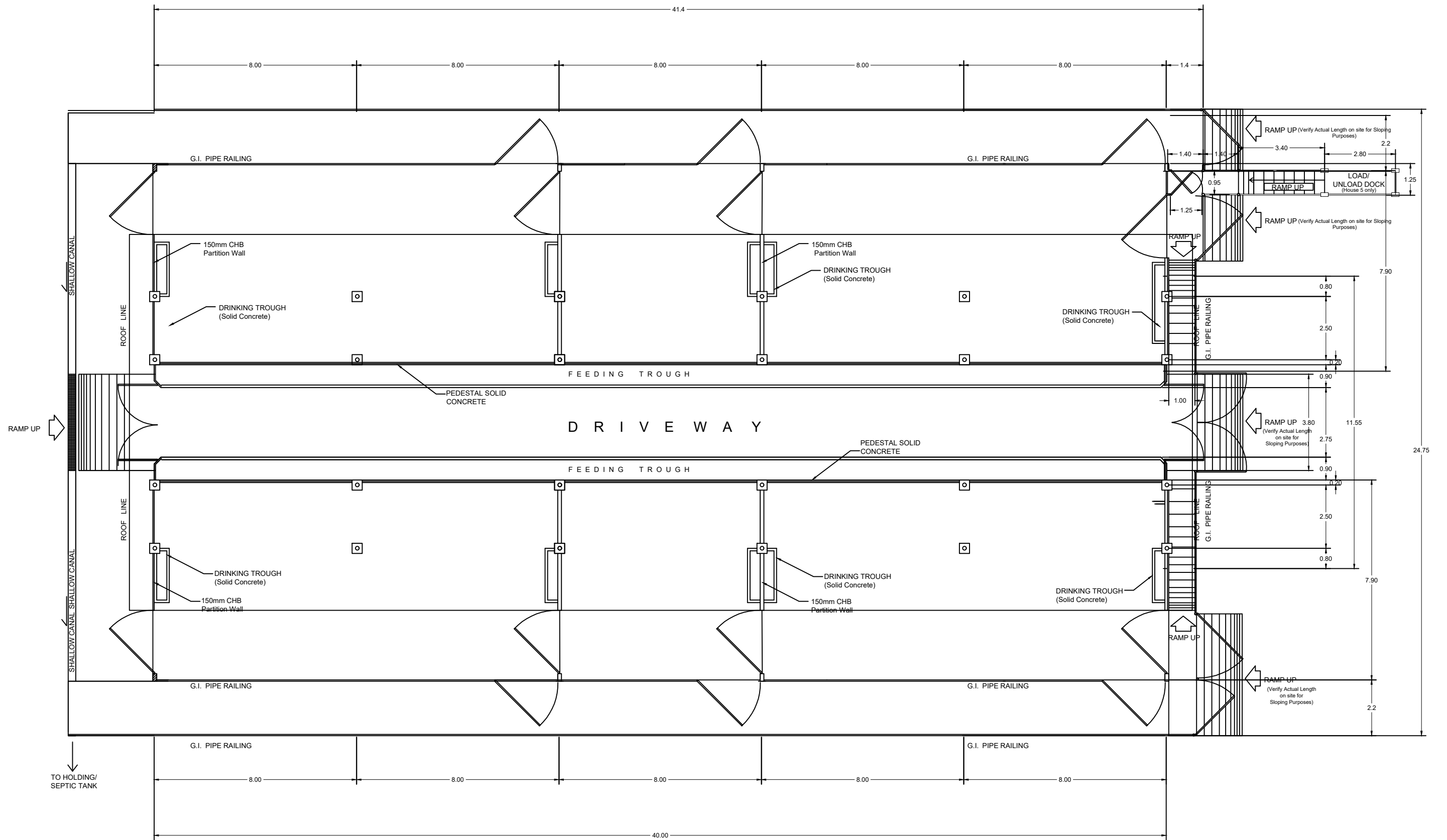
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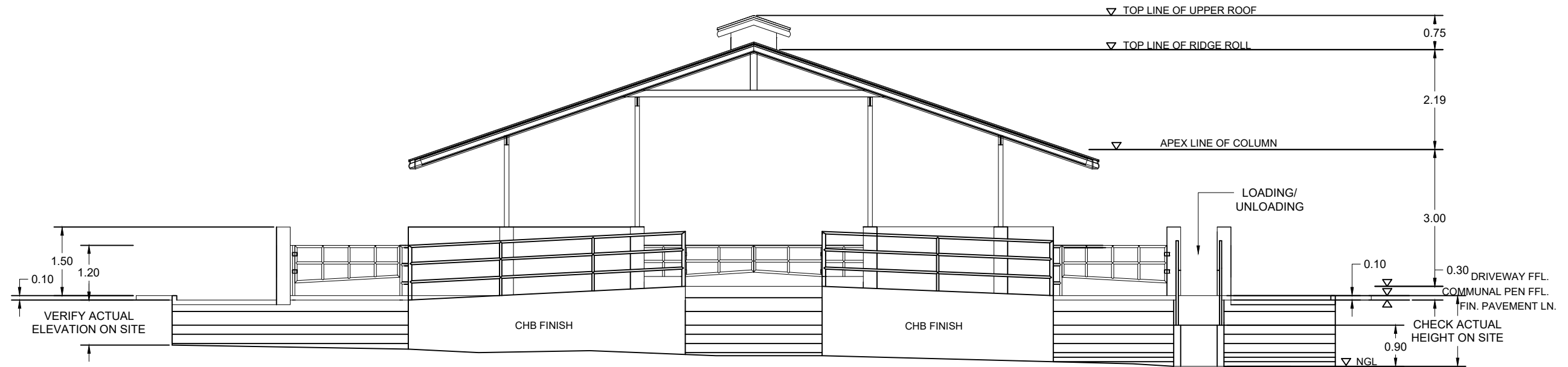
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A-01
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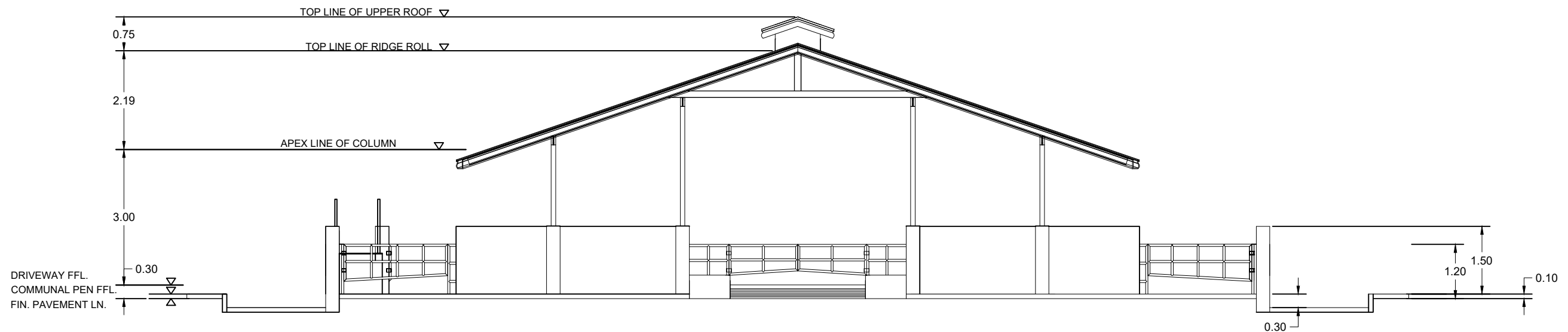


 **FLOOR PLAN**
SCALE: 1:150 Mtr.

	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL:	PROJECT TITLE/LOCATION:	APPROVED BY:	DRAFTED BY:	SHEET CONTENTS:	SHEET No.
		<u>AR. ANA FRANCESCA C. DUCUSIN</u> ARCHITECT I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	PRC ID:	<u>ENGR. CRIS Y. GUZON</u> HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	<u>DR. ROVINA R. PIÑERA</u> CENTER DIRECTOR, PHILIPPINE CARABAO CENTER - CSU	CONTINUATION OF THE COMPLETION OF THE CONSTRUCTION OF INSTITUTIONAL HERD FACILITIES AT PCC-CSU (COMMUNAL PEN 4 & 5) PIAT, CAGAYAN	<u>DR. LIZA G. BATTAD</u> EXECUTIVE DIRECTOR, PHILIPPINE CARABAO CENTER	JHFR	AS SHOWN	
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 **RIGHT SIDE ELEVATION**
SCALE: 1:100 Mtr.



 **LEFT SIDE ELEVATION**
SCALE: 1:100 Mtr.



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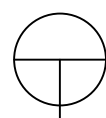
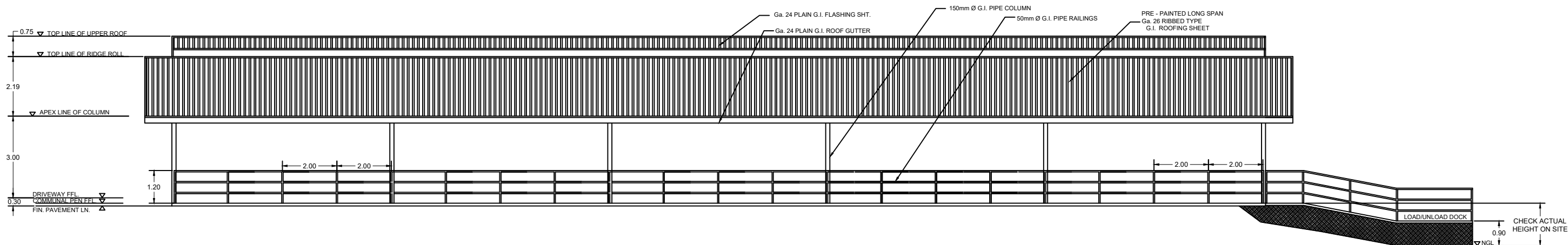
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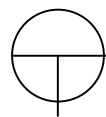
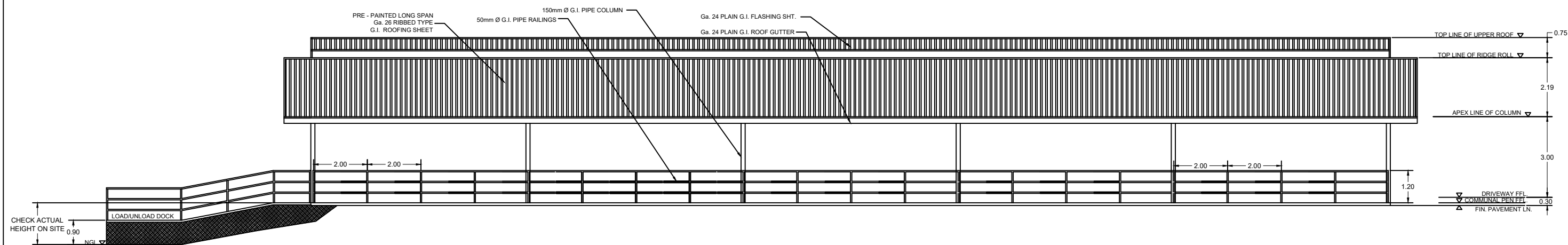
A-03
03/17



FRONT ELEVATION

SCALE:

1:150 Mtr.



REAR ELEVATION

SCALE:

1:150 Mtr.



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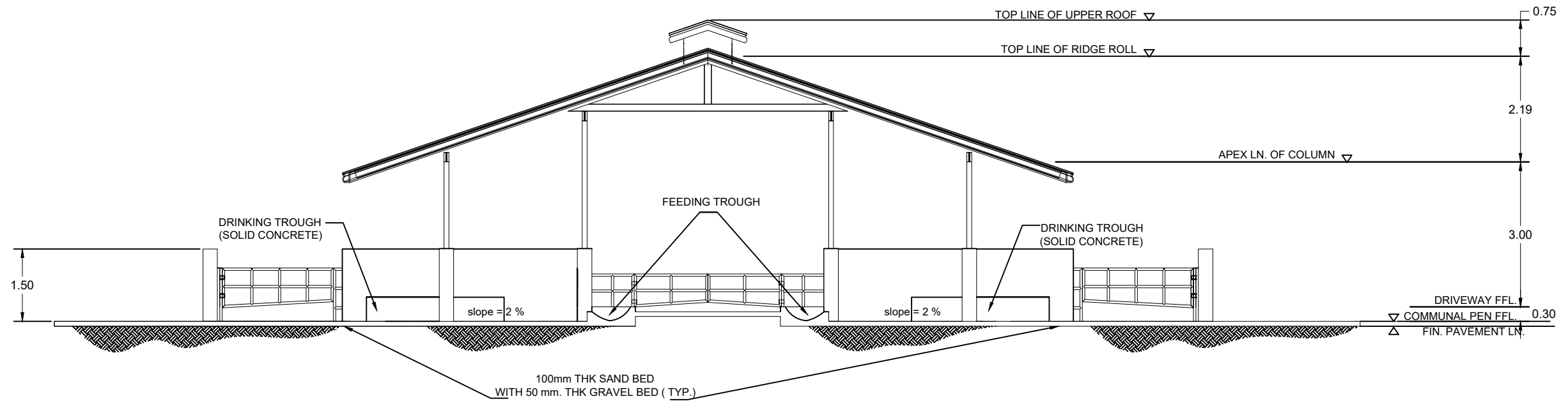
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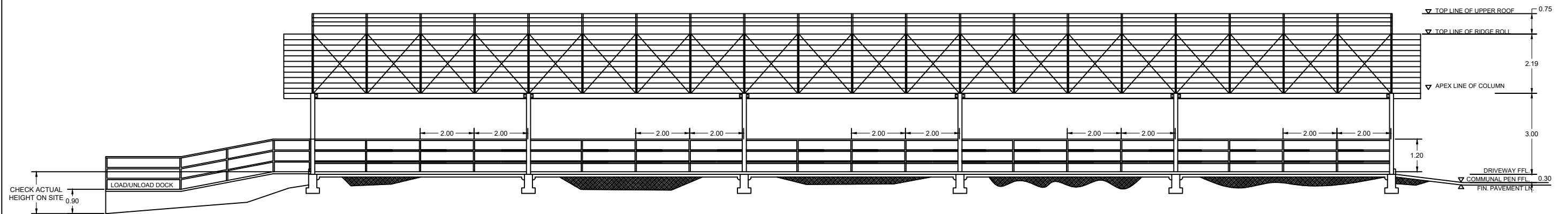
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SHEET No.

A-04
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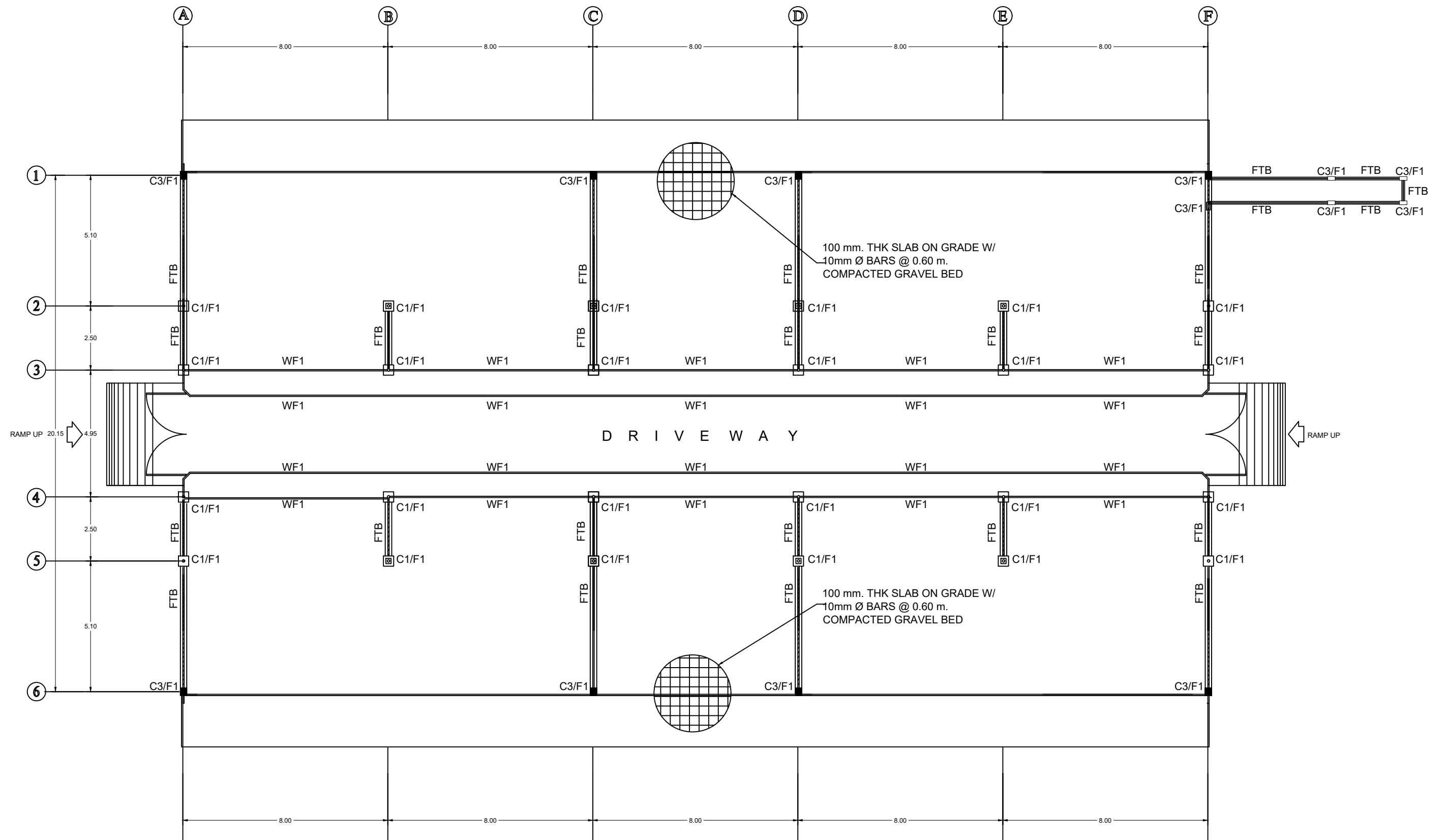


SECTION THRU "X-x"
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SECTION THRU "Y-y"
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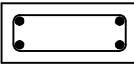
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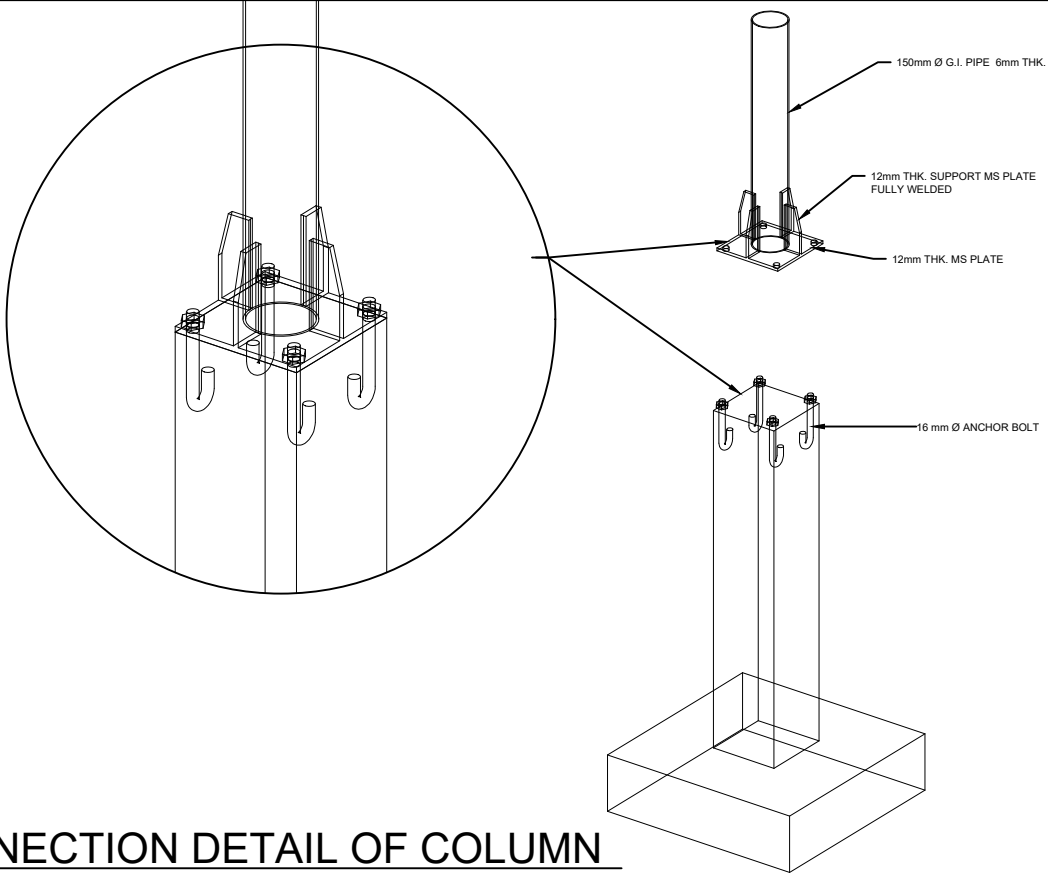


FOUNDATION PLAN
SCALE: 1:150 Mtr.

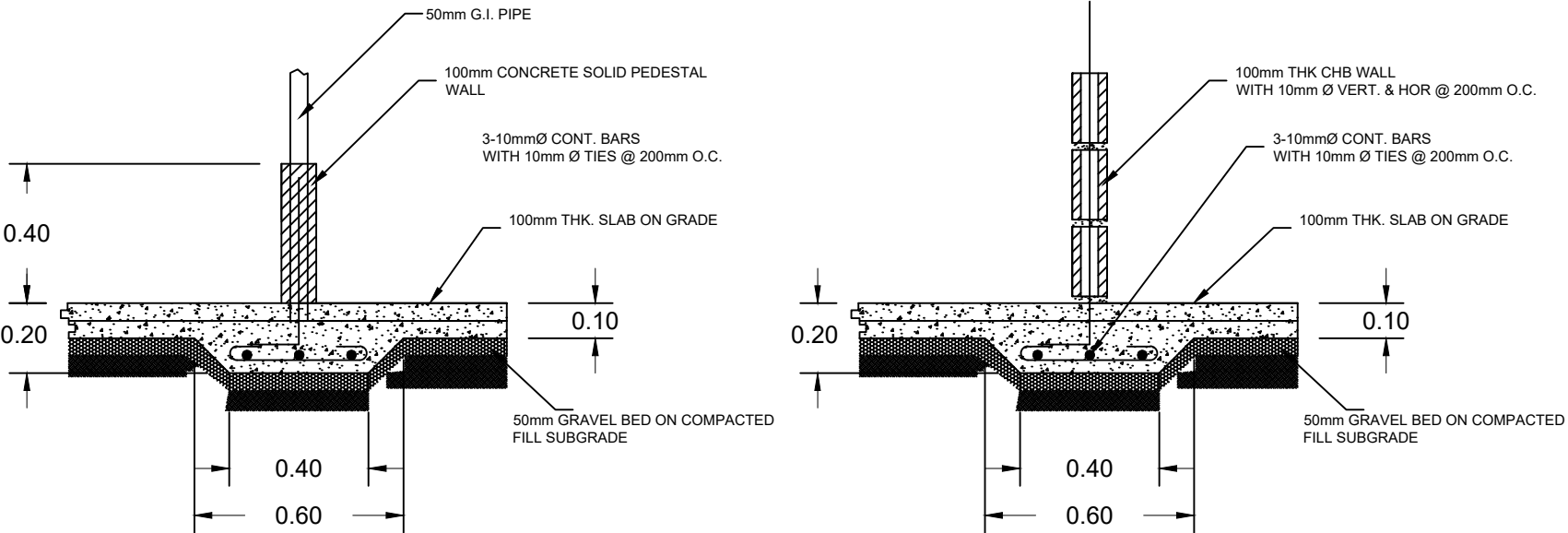
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		ENGINEER I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	CENTER DIRECTOR, PHILIPPINE CARABAO CENTER - CSU			REVISION:		
		PRC ID: PTR NO: ISSUED ON: ISSUED AT:								

COLUMN FOOTING SCHEDULE

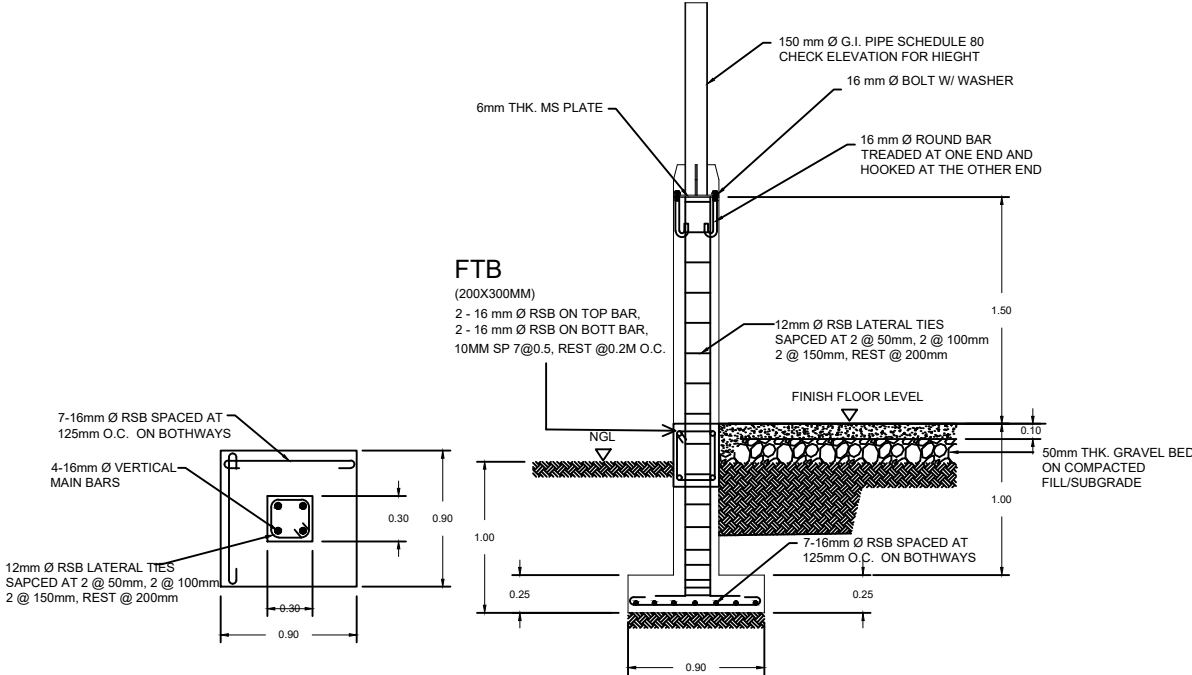
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C1	CONC.	300	300	SEE PLAN DETAIL	
C-1	G.I.	6	150 Ø	SEE PLAN DETAIL	
C3	CONC.	150	300	1500	



CONNECTION DETAIL OF COLUMN
SCALE: 1:30 Mtr.



WF-1 DETAIL
SCALE: 1:20 Mtr.



COLUMN & FOOTING DETAIL
SCALE: 1:50 Mtr.



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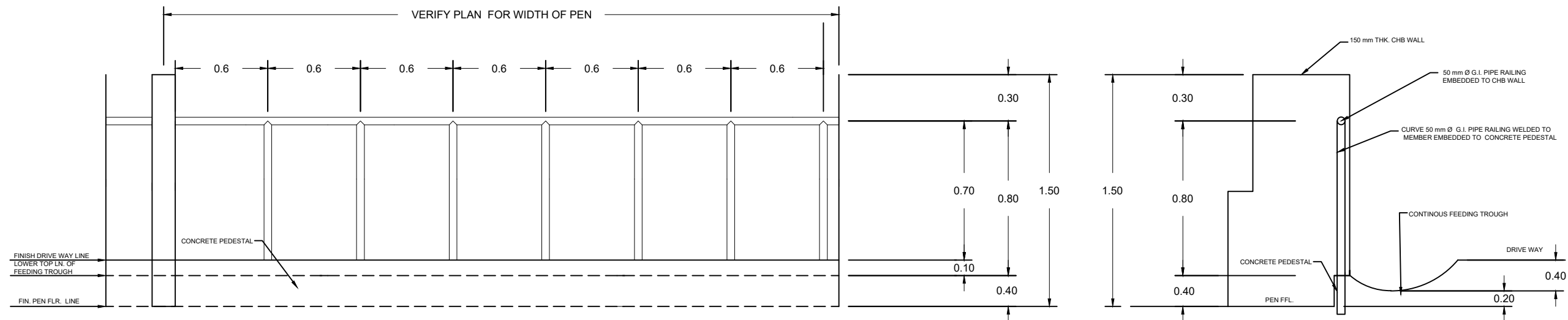
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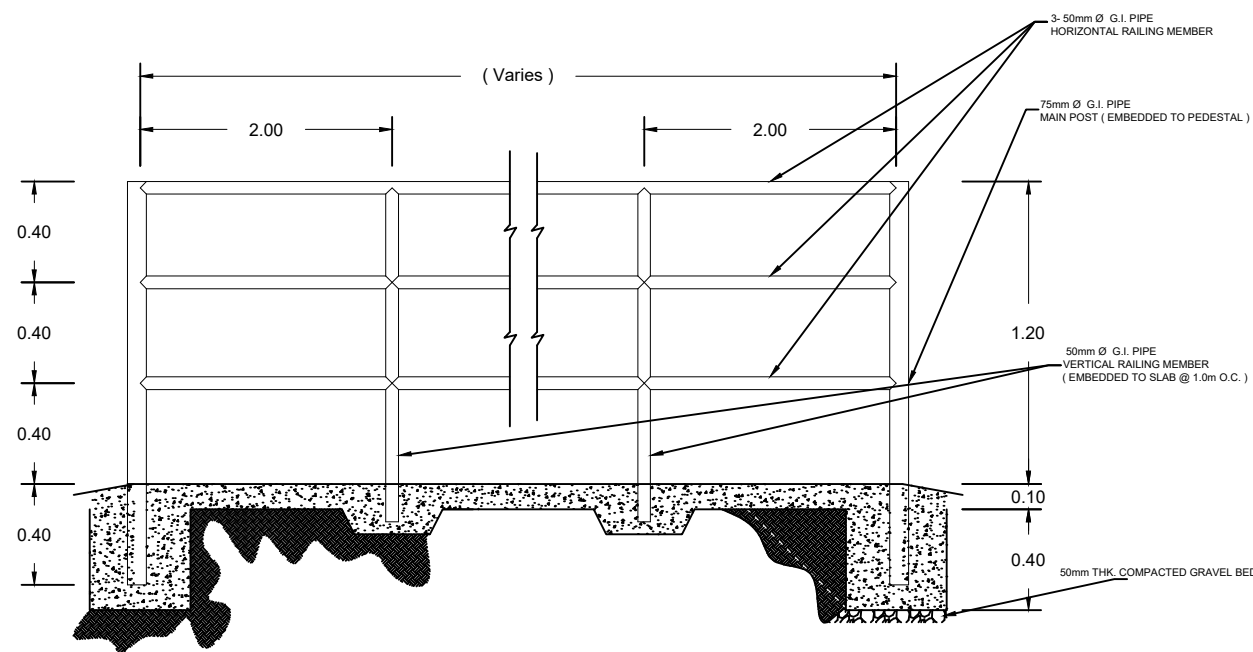
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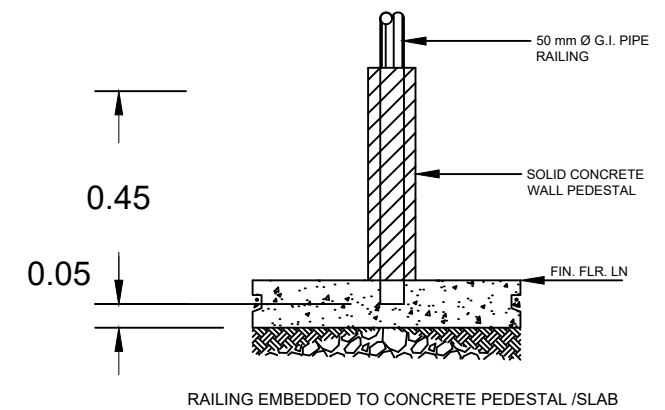
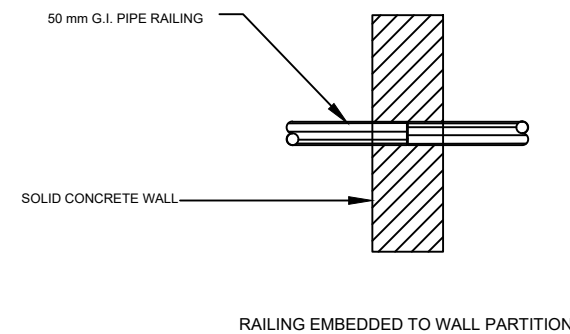
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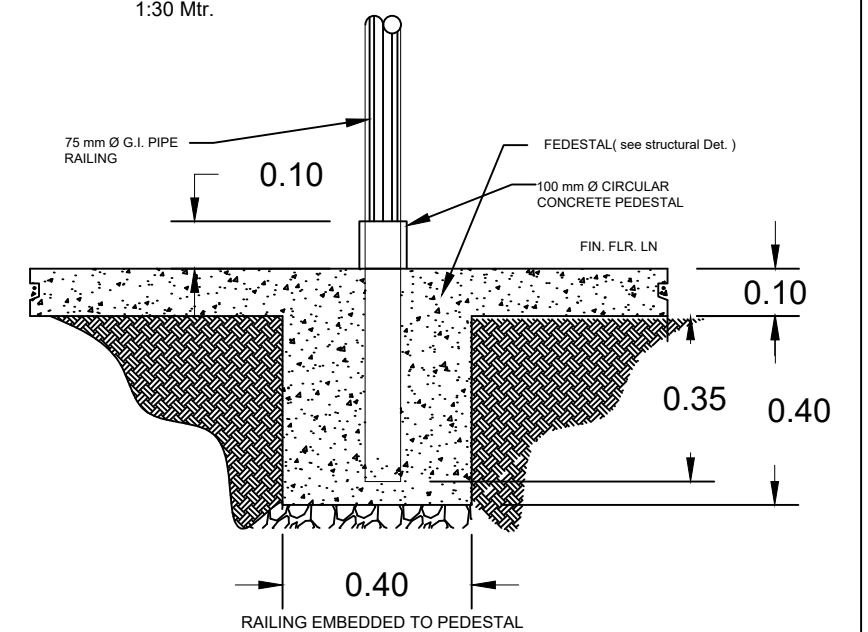
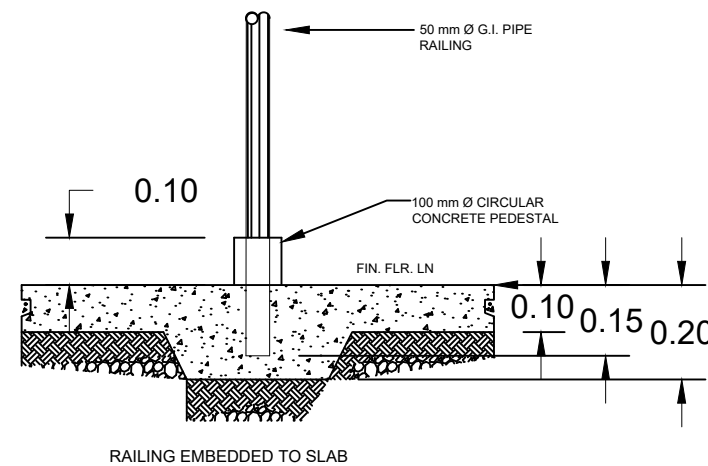
RAILING DETAIL @ FEEDING TROUGH
SCALE: 1:30 Mtr.

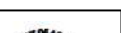


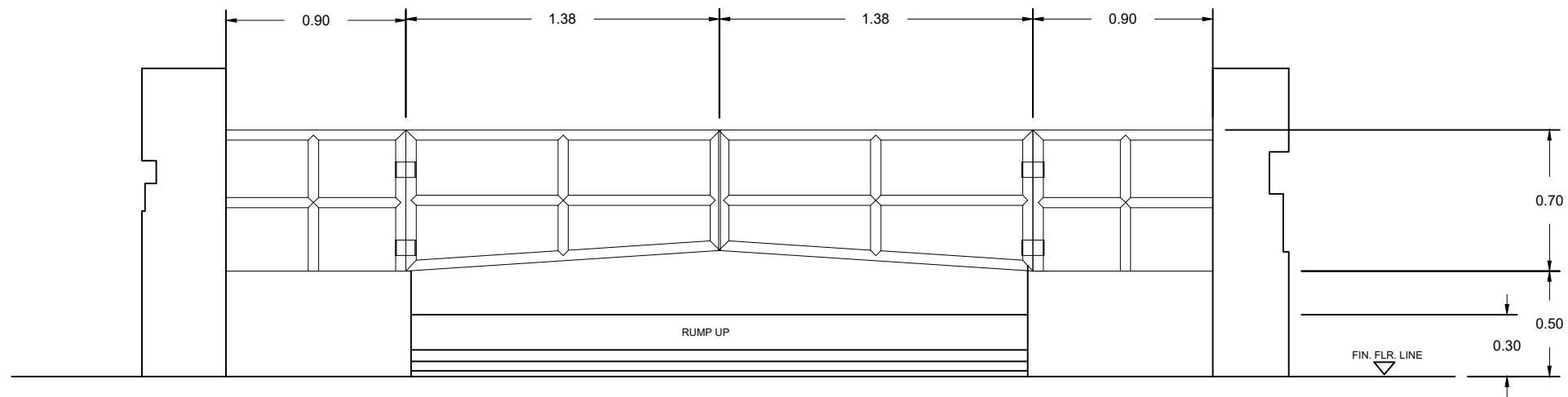
RAILING DETAIL
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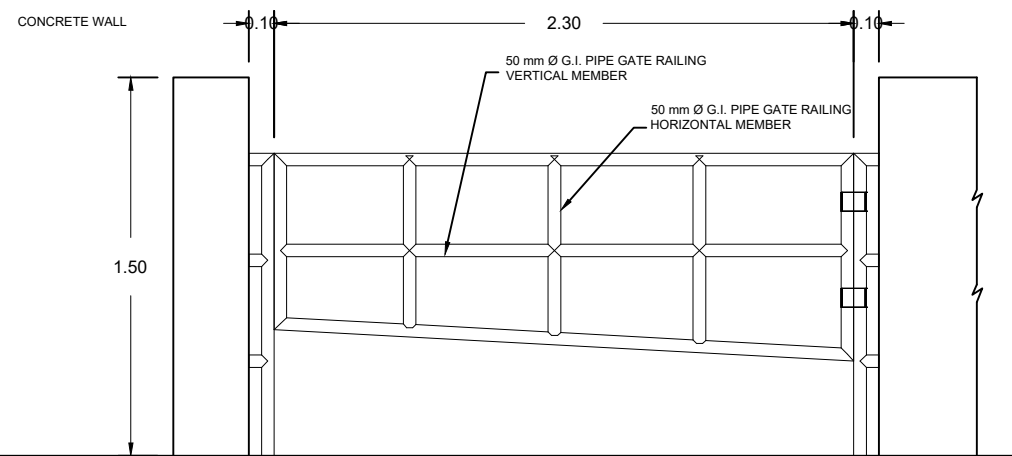
DETAIL OF EMBEDDED STEEL RAILING
SCALE: 1:30 Mtr.




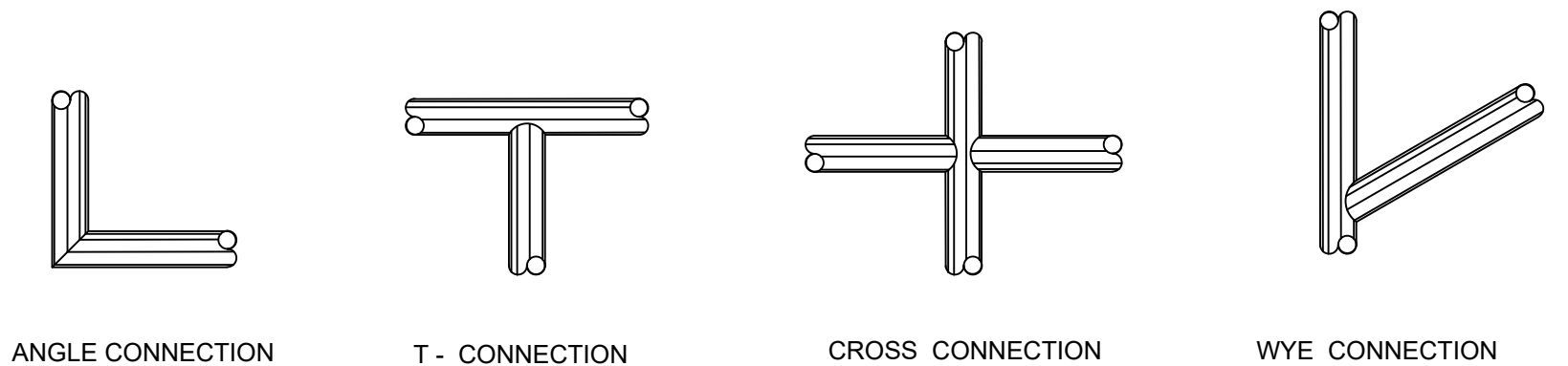
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			ISSUED ON:							
		ISSUED AT:								






DETAIL OF GATE @ RUMP - UP
 SCALE: 1:30 Mtr.

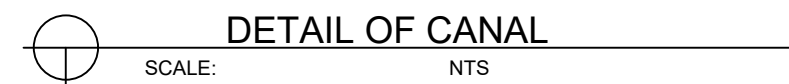


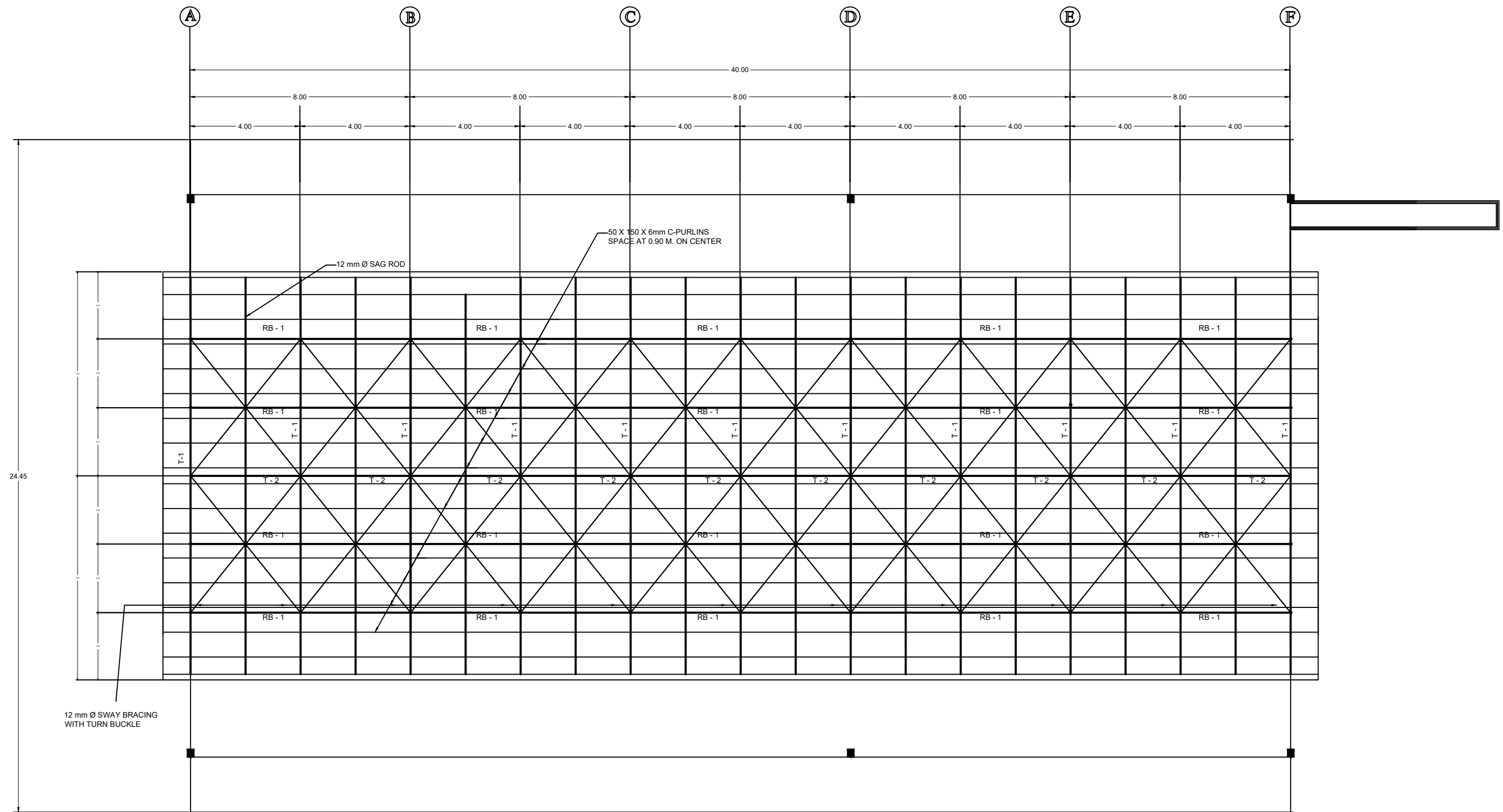

DETAIL OF STEEL GATE
 SCALE: 1:30 Mtr.






DETAIL OF STEEL RAILING CONNECTION
 SCALE: 1:30 Mtr.

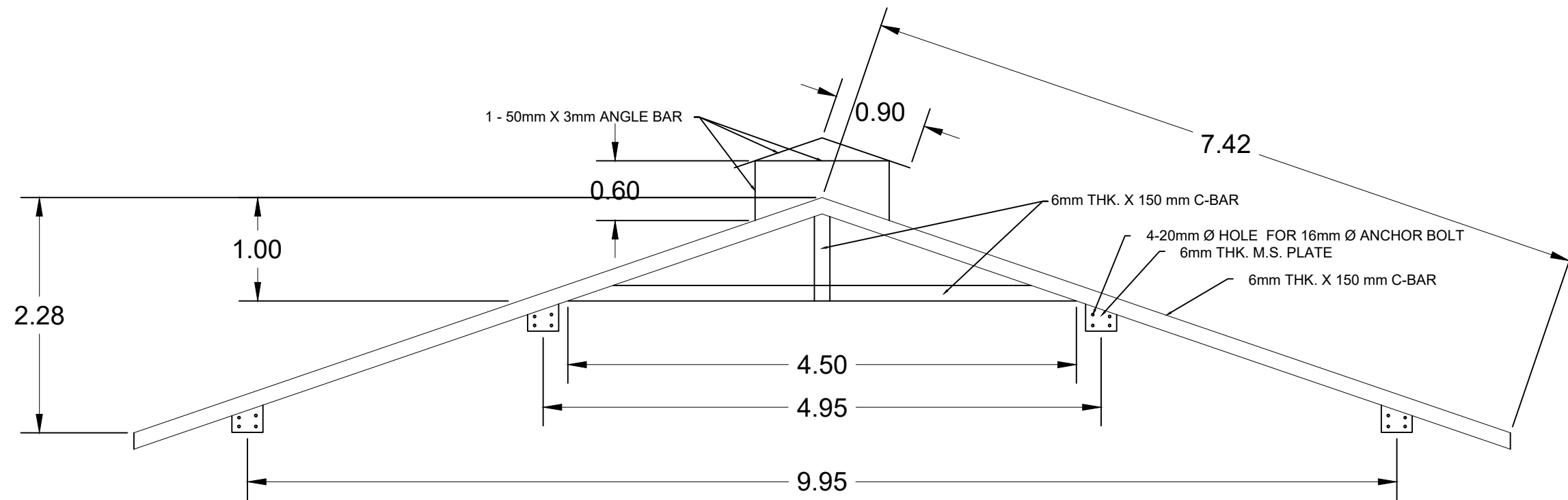
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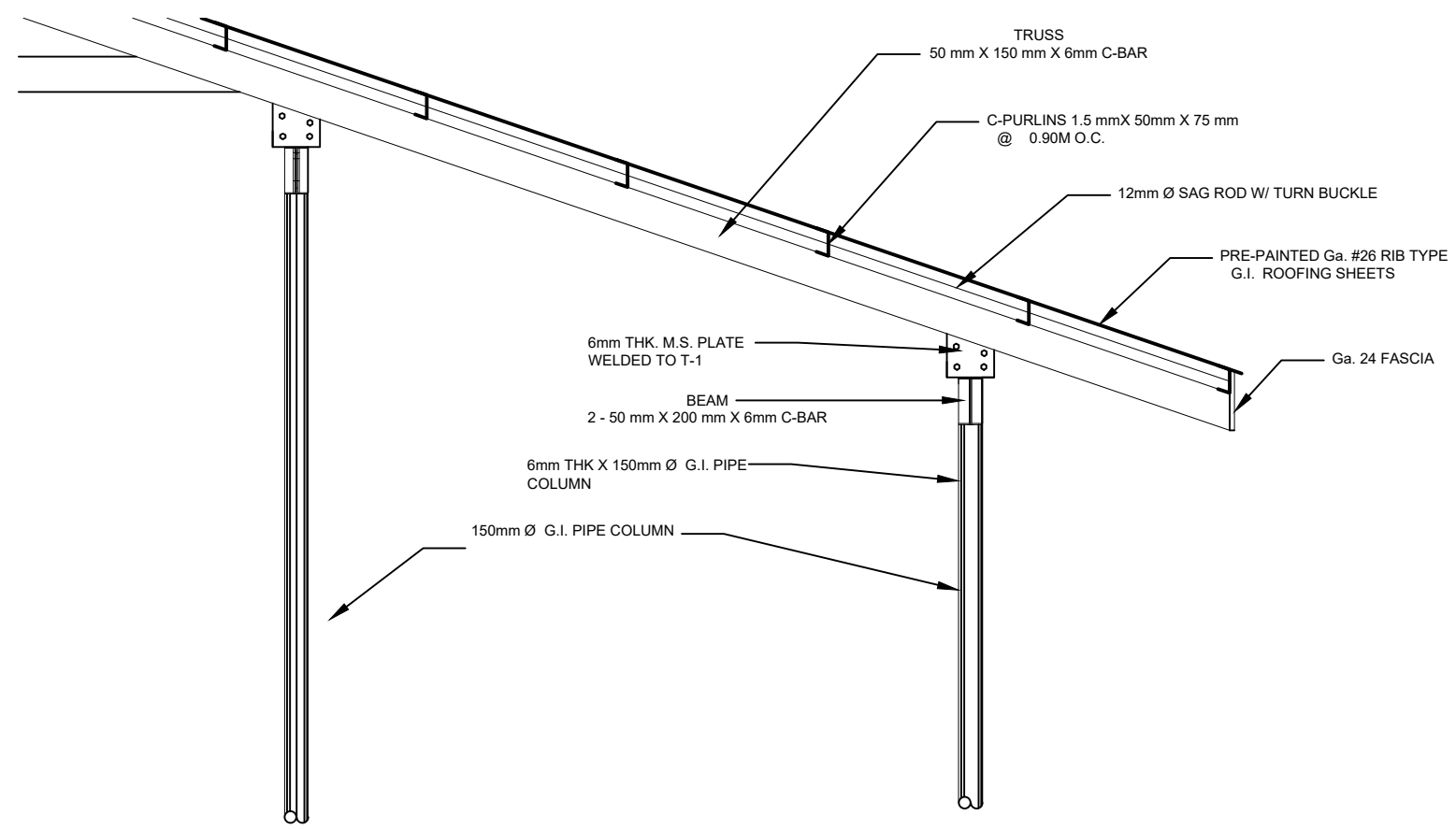


 **ROOF FRAMING PLAN**
SCALE: 1:150 Mtr.

	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED AND REVIEWED BY:	RECOMMENDING APPROVAL:	PROJECT TITLE/LOCATION:	APPROVED BY:	DRAFTED BY:	SHEET CONTENTS:	SHEET No.
		ENGR. JEAN HAROLD F. REAMICO		ENGR. CRIS Y. GUZON	DR. ROVINA R. PIÑERA	CONTINUATION OF THE COMPLETION OF THE CONSTRUCTION OF INSTITUTIONAL HERD FACILITIES AT PCC-CSU (COMMUNAL PEN 4 & 5) PIAT, CAGAYAN	DR. LIZA G. BATTAD	JHFR	AS SHOWN	
		ENGINEER I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	CENTER DIRECTOR, PHILIPPINE CARABAO CENTER - CSU			REVISION:		
		PRC ID: PTR NO: ISSUED ON: ISSUED AT:								



DETAIL OF TRUSS-1
SCALE: 1:50 Mtr.



TYP. TRUSS ROOF BEAM CONNECTION DETAIL
SCALE: 1:30 Mtr.

TRUSS SCHEDULE

MARK	TYPE	TRUSS PROPERTIES , mm			SECTION
		T	W	L	
T-2	C-BAR	6	50	150	I
RB-1	C-BAR (DOUBLE)	6	50	200	I
T-1		SEE T-1 DETAILS			



- CONTINUATION OF THE COMPLETION
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AT PCC-CSU (COMMUNAL PEN 4 & 5)
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SCALE:

1:150 Mtr.



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PHILIPPINE CARABAO CENTER

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ISSUED O
ISSUED A

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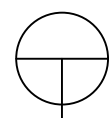
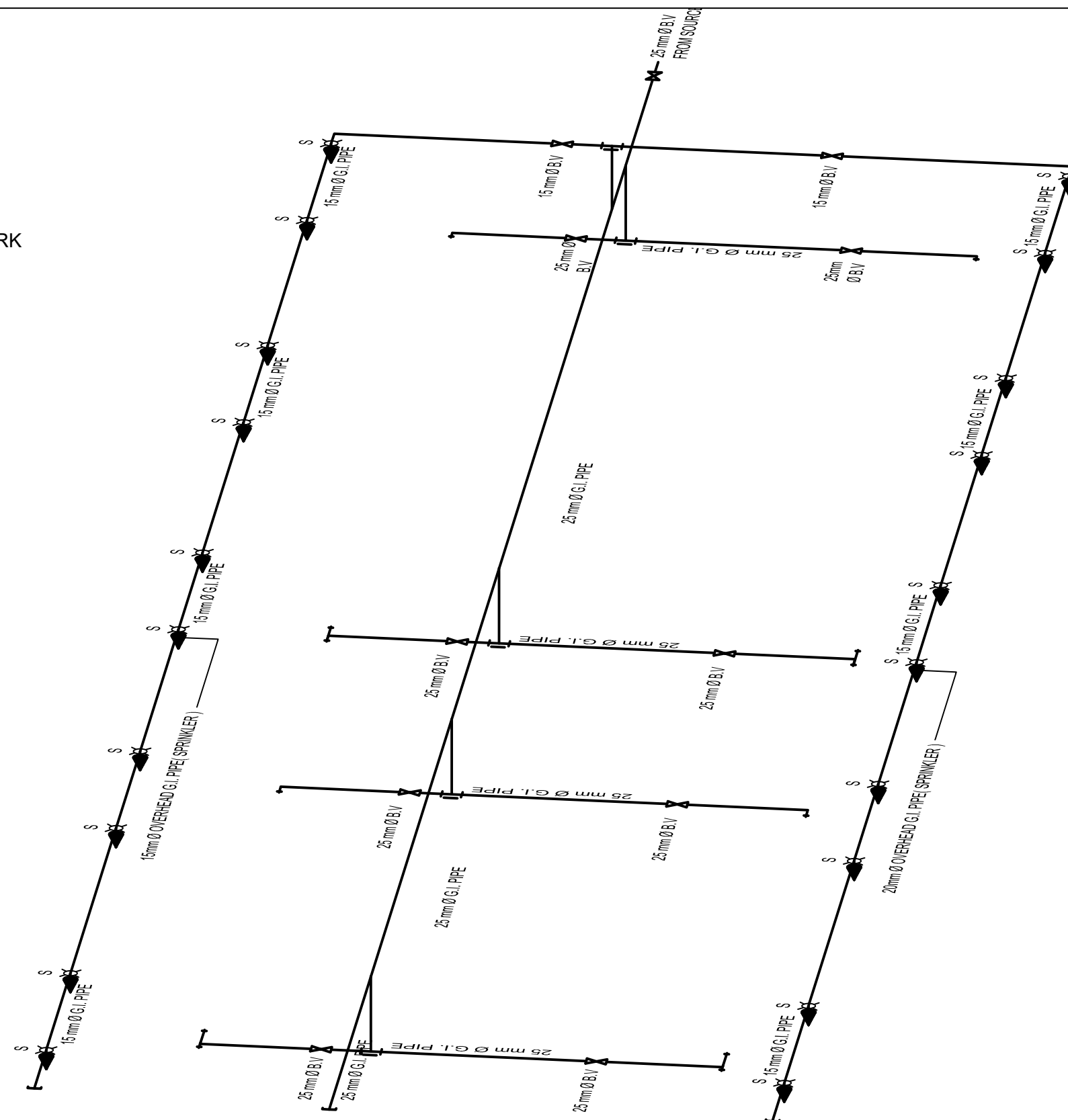
SHEET CONTENTS:

SHEET No.



LEGEND

- OVER HEAD G.I. PIPE
- EXPOSED G.I. PIPE
- └───┘ LIMIT OF SCOPE OF WORK
- ┌───┐ G.I. PLUG END
- ⊗ BALL VALVE
- + HOSE BIBB/FAUCET
- SPRINKLER



ISOMETRIC DIAGRAM

SCALE:

NTS



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SHEET No.

P-02
1417

GENERAL NOTES AND SPECIFICATIONS

1. ALL ELECTRICAL WORKS SHALL COMPLY WITH THE PROVISION OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WITH THE RULES & REGULATION OF THE NATIONAL AND LOCAL AUTHORITIES CONCERN IN THE ENFORCEMENT OF THE ELECTRICAL LAWS AND REGULATIONS OF THE UTILITY COMPANIES CONCERN.
2. SERVICE ENTRANCE VOLTAGE TO THE BUILDING SHALL 115 / 220 VOLTS,60 HERTZ, SINGLE PHASE.
3. THE CONTRUCTOR SHALL VERIFY AND ORIENT THE ACTUAL LOCATION OF CONCRETE TERMINAL POLE FOR CONNECTION TO THE POWER SUPPLY AND TELEPHONE.
4. ALL INSTALLATION CONCEALED FROM VIEW WIRING SHALL BE IN CASE OF POLYVINIL CHLORIDE PVC SCHEDULE 40 EXCEPT POWER & TELEPHONE SERVICE W/C SHALL BE RIGID STEEL CONDUIT (RSC) OR OTHER WISE NOTED.

5. PULL BOXES OF APPROPRIATE SIZE SHALL BE PROVIDED, EVEN IF NOT INDICATED IN DRAWING TO ACCOMODATE THE NUMBER OF SPICES OF WIRE.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE APPROPRIATE FOR BOTH LOCATION AND INTENDED USE.
7. ELECTRICAL INSTALLATIONS SHALL BE THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER OR A REGISTERED MASTER ELECTRICIAN.
8. NO REVISION IN THE DESIGN SHALL BE DONE W/O THE PRIOR KNOWLEDGE& APPROVAL OF THE DESIGNER & THE OWNER, ANY SUCH REVISIONS DONE W/O APPROVAL SHALL BE CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASE AS A WHOLE.

ELECTRICAL SYMBOLS

PANEL BOARD (THE NUMBERS INDICATES LIGHTING PANEL NUMBER)	LP-1
WEATHERPROOF CONVINIENCE OUTLET	
DROP TYPE OIUTLET	WP
WATER PUMP OUTLET	DT
GROUND	MP
SINGLE POLE SWITCH	
DUPLEX SWITCH, 2 SINGLE POLE SWITCHES ON ONE GANG SWITCH PLATE	
SERVICE ENTRANCE (INDICATE THE NUMBER OF CONDUCTOR, SIZE, TYPE AND VOLTAGE)	
COMPACT FLOURESCENT LAMP	
SERVICE KILOWATT-HOUR METER	
CIRCUIT BREAKER (INDICATE TYPE AND Kv SETTING)	



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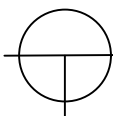
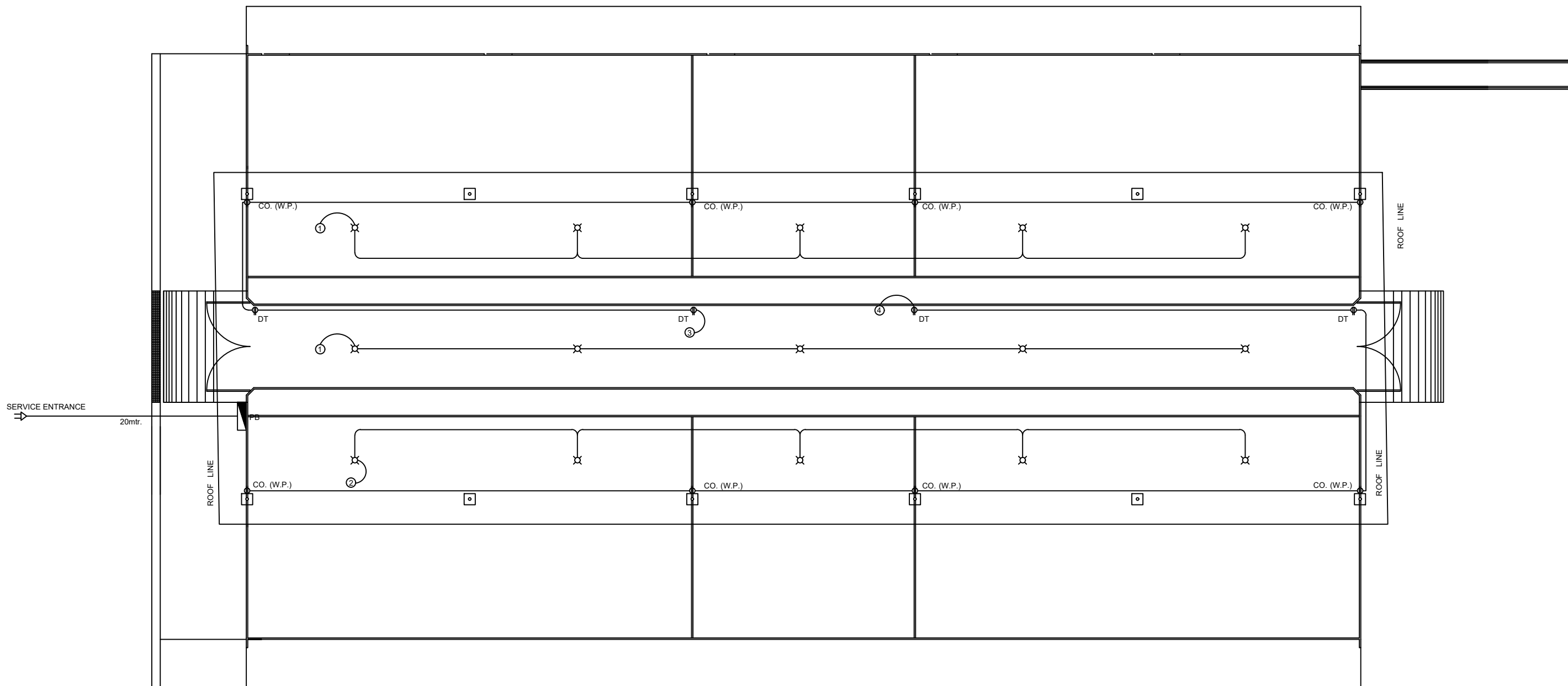
JHFR
REVISION:

SHEET CONTENTS:
AS SHOWN

SHEET No.

E-01
1517

DRIVEWAY FFL
0.30
COMMUNAL PENET.
FIN. PAVEMENT LN.



POWER AND LIGHTING LAY OUT

SCALE:

1:100 Mtr.



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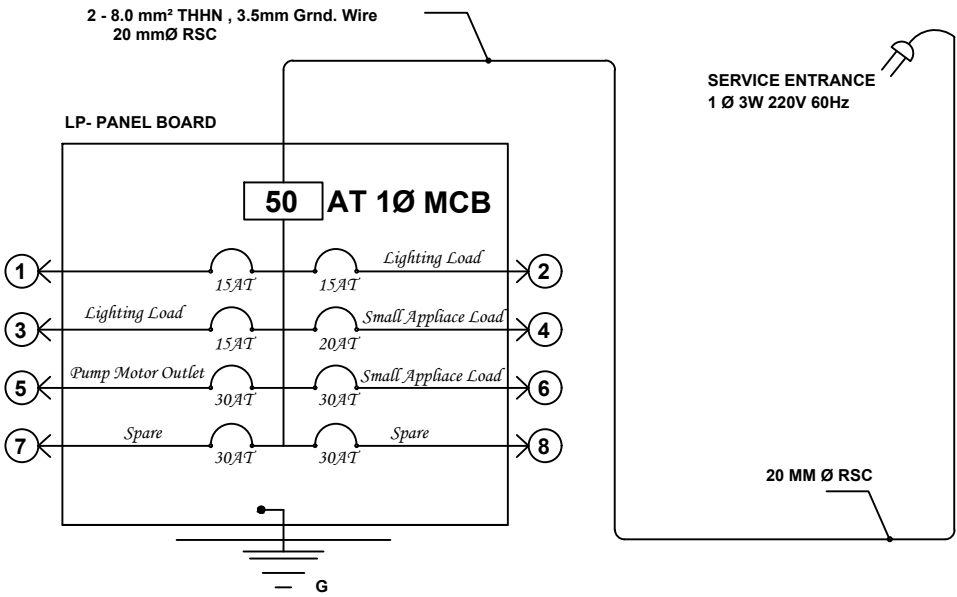
SHEET No.

E-02
1617

SCHEDULE OF LOADS

PANEL BOARD: LP (NEMA)				RATING: 100AF					
CIRCUIT NO.	DESCRIPTION	NO. OF OUTLET	WATTS	VOLTS	AMPS	CIRCUIT BREAKER	POLES	CONDUCTOR THHN-----MM ²	CONDUIT RSC-----MM ²
1	LIGHTING OUTLET	5	500	220	2.27	15	2	2-----2.0 1-----2.0	1-----15
2	LIGHTING OUTLET	5	500	220	2.27	15	2	2-----2.0 1-----2.0	1-----15
3	LIGHTING OUTLET	5	500	220	2.27	15	2	2-----3.5 1-----2.0	1-----15
4	SMALL APPLIANCES LOAD	6	1200	220	5.45	20	2	2-----3.5 1-----2.0	1-----15
5	SMALL APPLIANCES LOAD	6	1200	220	5.45	20	2	2-----3.5 1-----2.0	1-----15
6	SUBMERSIBLE PUMP MOTOR 1.5 H.P.	1	1760	220	10	30	2	2-----3.5 1-----2.0	1-----15
7	SPARE			220		30			
8	SPARE			220		30			
SUBTOTAL			5660		27.71				

I = 27.71 x 220/1000 =6.09kva
USE =50 ampere trip MAIN CIRCUIT BREAKER
USE 2- 8.0 mm² THHN FEEDER LINE 1- 3.5 mm² THHN GRND.WIRE
in 20mm Ø RSC PIPE



RISER DIAGRAM

