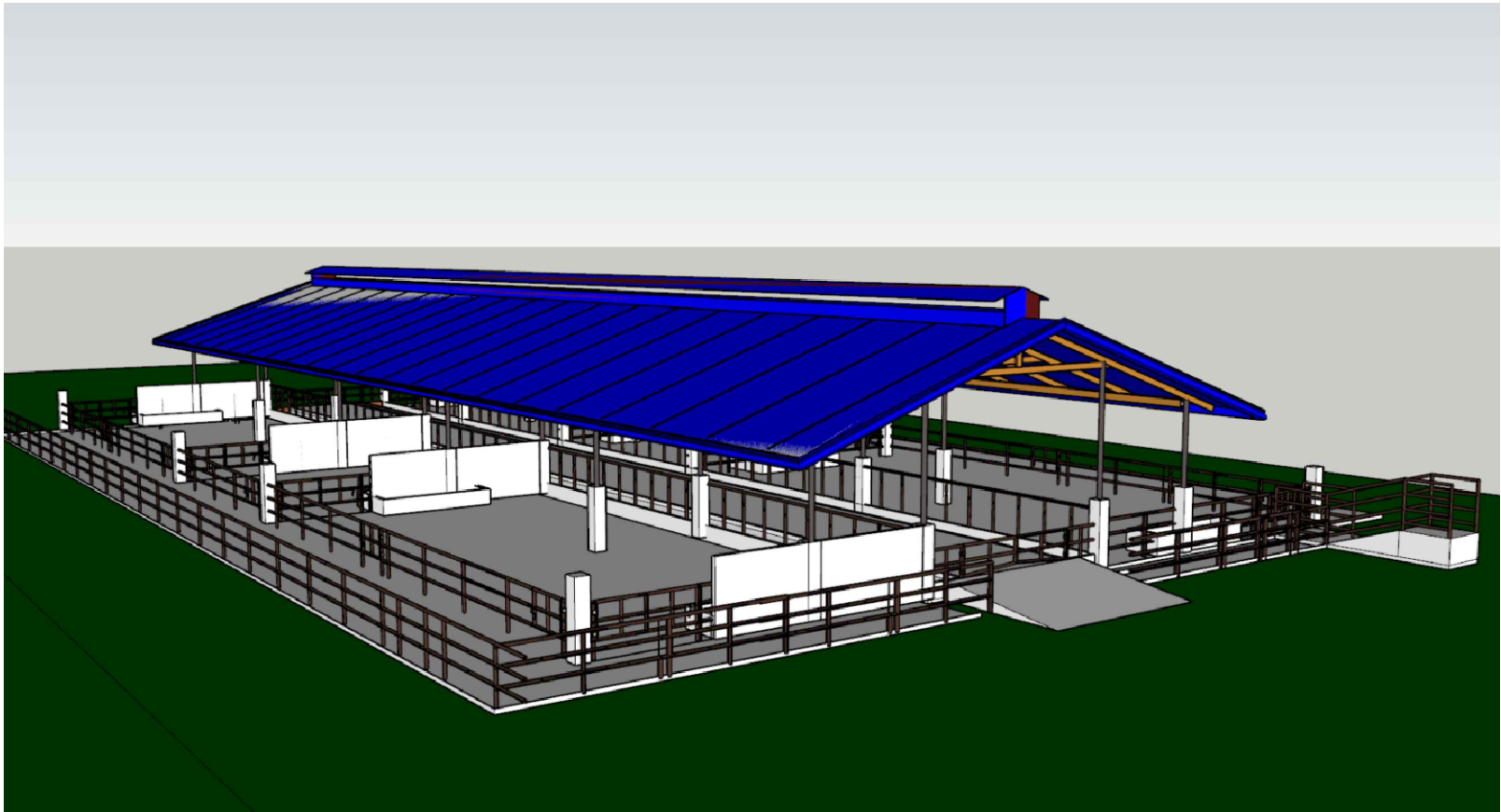




PERSPECTIVE



VICINITY MAP

7.1126° N, 124.8425° E

CONTENTS

ARCHITECTURAL

- A01 PERSPECTIVE
VICINITY MAP
- A02 FLOOR PLAN
- A03 RIGHT SIDE ELEVATION
LEFT SIDE ELEVATION
- A04 SECTION THRU "X-x"
REAR ELEVATION
- A05 FRONT ELEVATION
SECTION THRU "Y-y"

STRUCTURAL

- S01 FOUNDATION PLAN
- S02 COLUMN FOOTING SCHEDULE
CONNECTION DETAIL OF COLUMN
W-F1 DETAIL
COLUMN AND FOOTING DETAIL
- S03 RAILING DETAIL @ FEEDING THROUGH
RAILING DETAIL
DETAIL OF EMBEDDED STEEL RAILING
- S04 DETAIL OF GATE @ RUMP - UP
DETAIL OF STEEL GATE
DETAIL OF STEEL RAILING
CONNECTION
- S05 DETAIL SECTION OF DRINKING
TROUGH
PLAN OF DRINKING TROUGH
DETAIL OF CANAL
DETAIL OF STEEL GATE LOCK
DETAIL OF STEEL GATE
RAILING HINGED/CONNECTION
DETAIL SECTION
- S06 ROOF FRAMING PLAN
- S07 DETAIL OF TRUSS-1
TRUSS SCHEDULE
TYP. TRUSS ROOF BEAM CONNECTION
DETAIL

PLUMBING AND SANITARY

- P01 LEGEND
SANITARY AND WATER SUPPLY LAY
OUT
- P02 PLUMBING NOTES
ISOMETRIC PLUMBING DIAGRAM

ELECTRICAL

- E01 GENERAL ELECTRICAL NOTES
ELECTRICAL LEGENDS
- E02 POWER LINE LAYOUT
LIGHTING LAYOUT
- E03 RISER DIAGRAM
SCHEDULE OF LOADS

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

PRC ID:

PTR NO:

ISSUED ON:

ISSUED AT:

CHECKED BY:

ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:

ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:

DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:

**CONSTRUCTION OF
COMMUNAL PEN**
PHILIPPINE CARABAO CENTER

APPROVED BY:

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

DRAFTED BY:

CFFSM
REVISION:

AS SHOWN

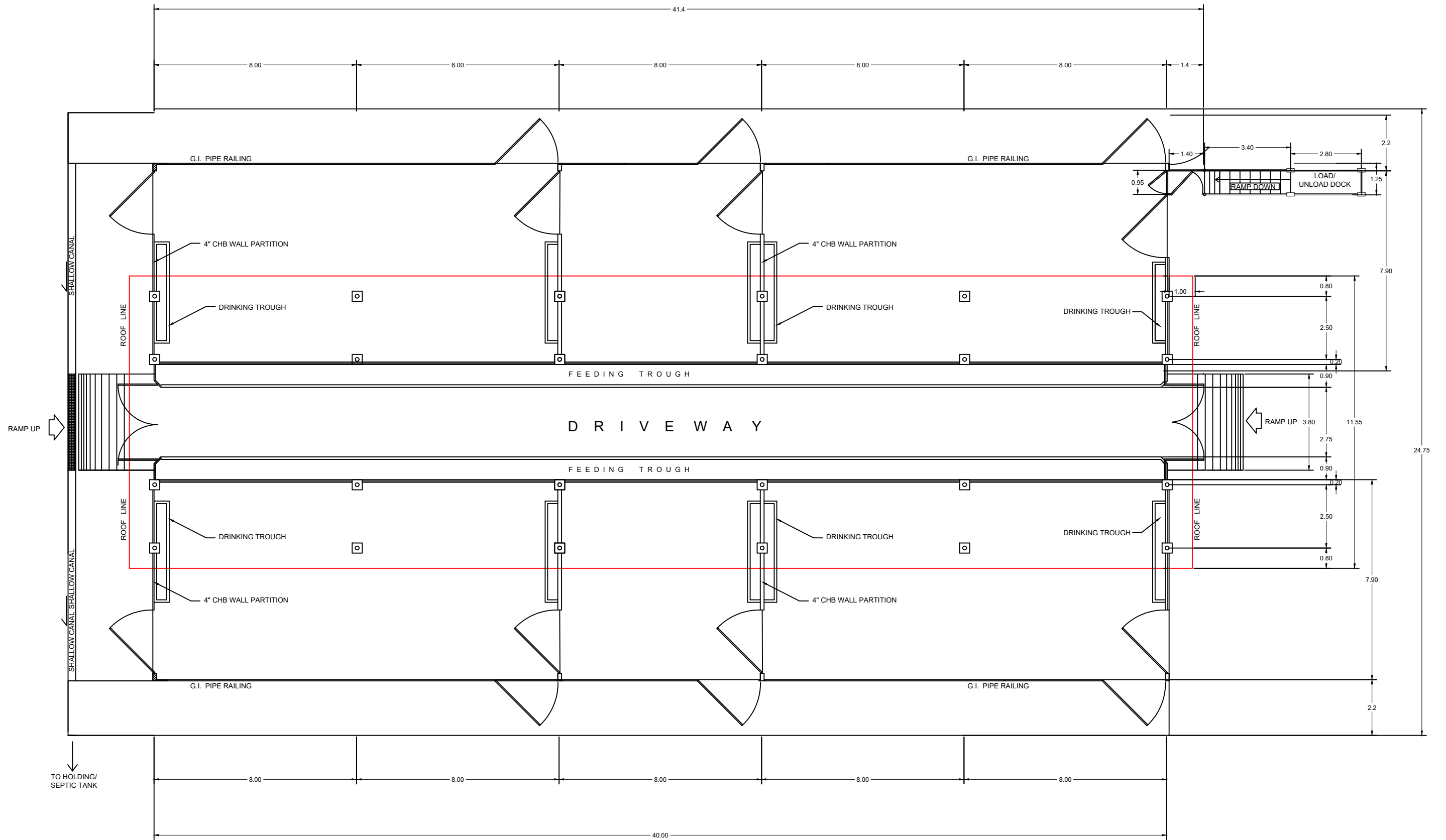
SHEET CONTENTS:

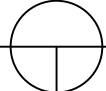
AS SHOWN

AS SHOWN

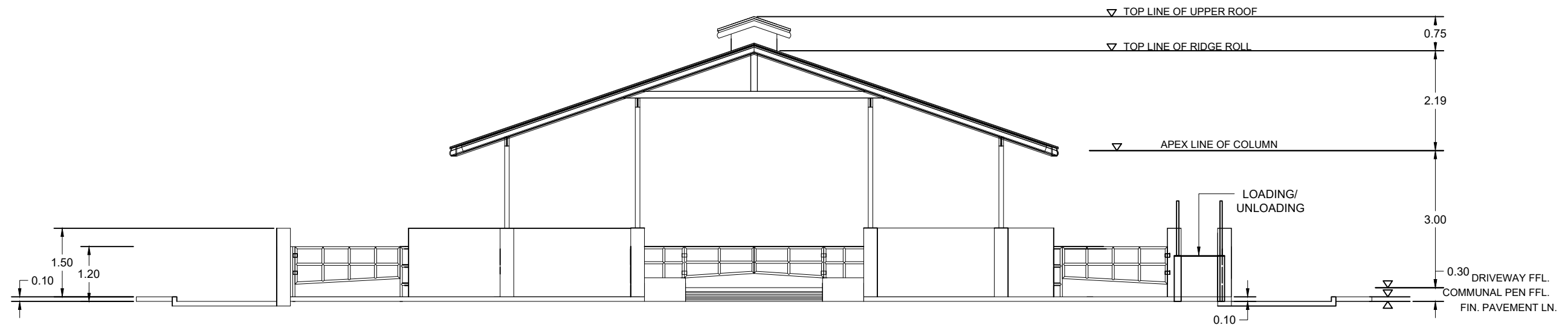
SHEET No.

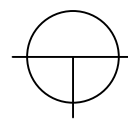
A-01
0117

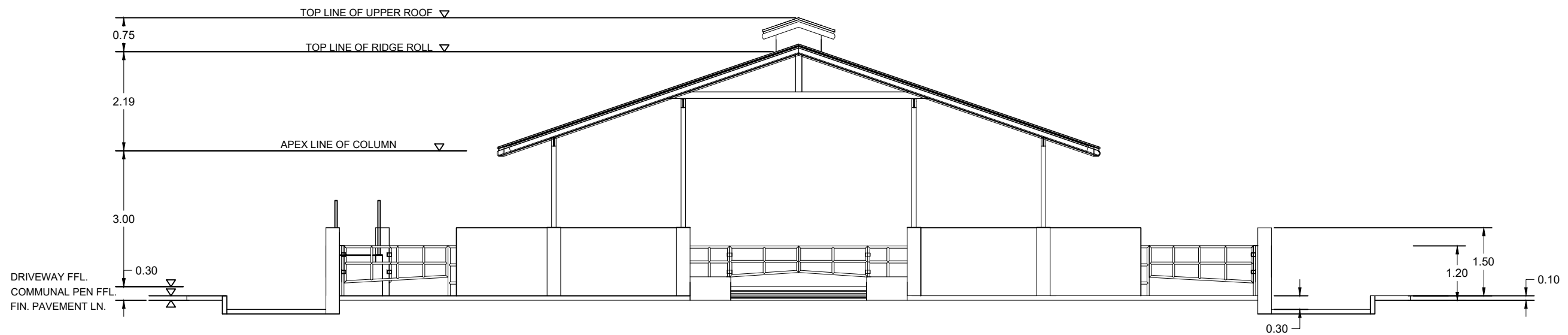


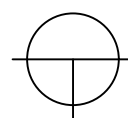
 **FLOOR PLAN**
SCALE: 1:150 Mtr.

	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	PROJECT TITLE/LOCATION:	APPROVED BY:	DRAFTED BY:	SHEET CONTENTS:	SHEET No.
		AR. ANA FRANCESCA C. DUCUSIN ARCHITECT I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		ENGR. REDENTOR B. VANGUARDIA ENGINEER II, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	ENGR. EDUARDO P. DALUSONG HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	DR. GEOFFRAY R. ATOK CENTER DIRECTOR PHILIPPINE CARABAO CENTER - USM	CONSTRUCTION OF COMMUNAL PEN PHILIPPINE CARABAO CENTER	DR. LIZA G. BATTAD EXECUTIVE DIRECTOR, PHILIPPINE CARABAO CENTER	CFFSM	AS SHOWN	
		PTR NO:		ISSUED ON:		ISSUED AT:		REVISION:			



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



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



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

PRC ID:
PTR NO:
ISSUED ON:
ISSUED AT:

CHECKED BY:
ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:
ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

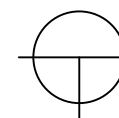
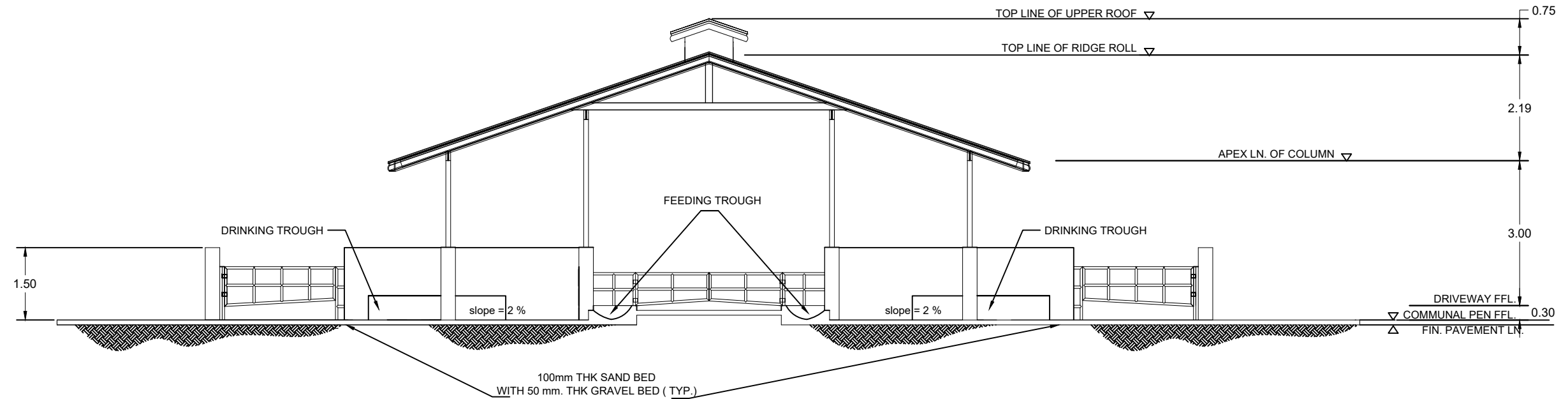
RECOMMENDING APPROVAL:
DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:
**CONSTRUCTION OF
COMMUNAL PEN**
PHILIPPINE CARABAO CENTER

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

DRAFTED BY: CFFSM
REVISION: AS SHOWN

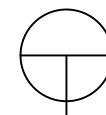
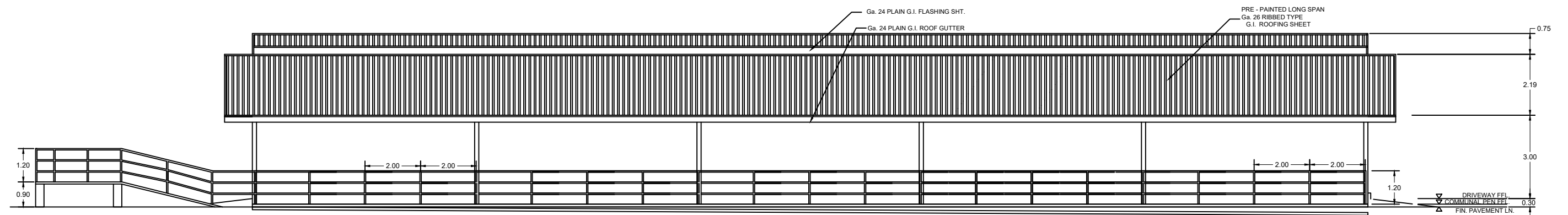
SHEET No.
A-03
03/17



SECTION THRU "X-x"

SCALE:

1:100 Mtr.



REAR ELEVATION

SCALE:

1:150 Mtr.



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

PRC ID:

PTR NO:

ISSUED ON:

ISSUED AT:

CHECKED BY:

ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:

ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:

DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:

**CONSTRUCTION OF
COMMUNAL PEN**
PHILIPPINE CARABAO CENTER

APPROVED BY:

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

DRAFTED BY:

CFFSM

REVISION:

SHEET CONTENTS:

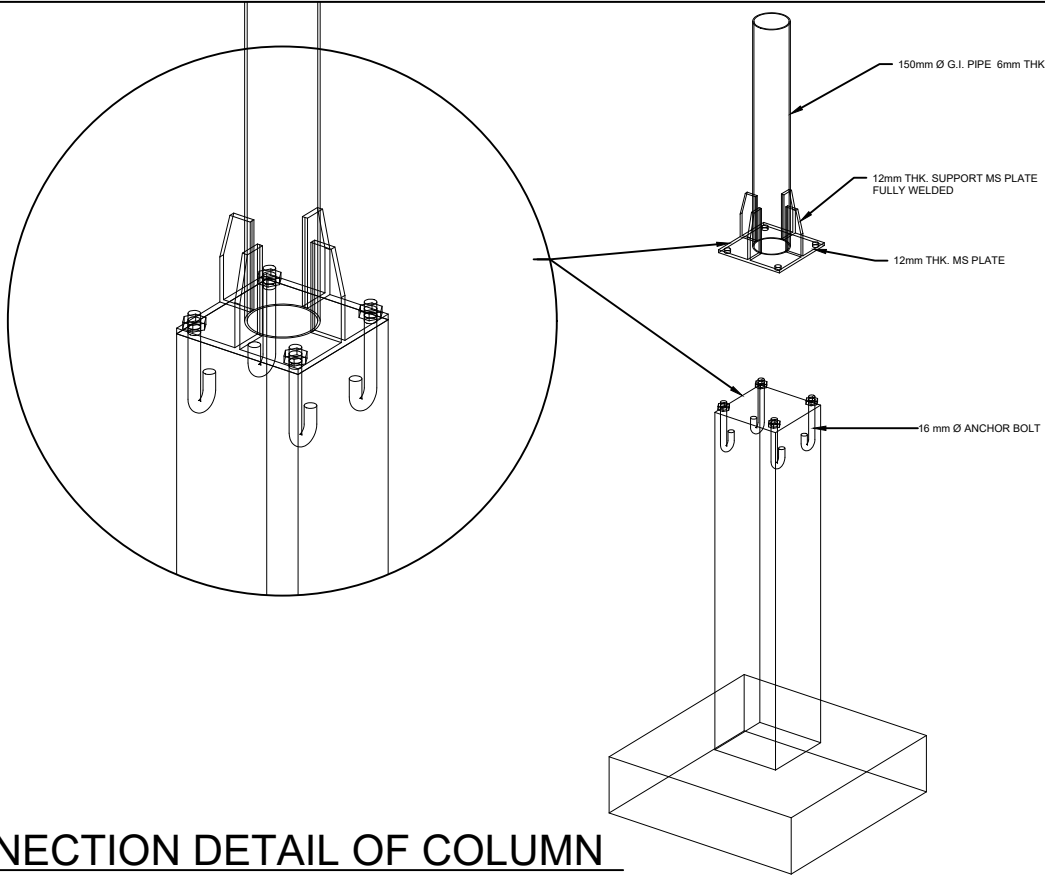
AS SHOWN

SHEET No.

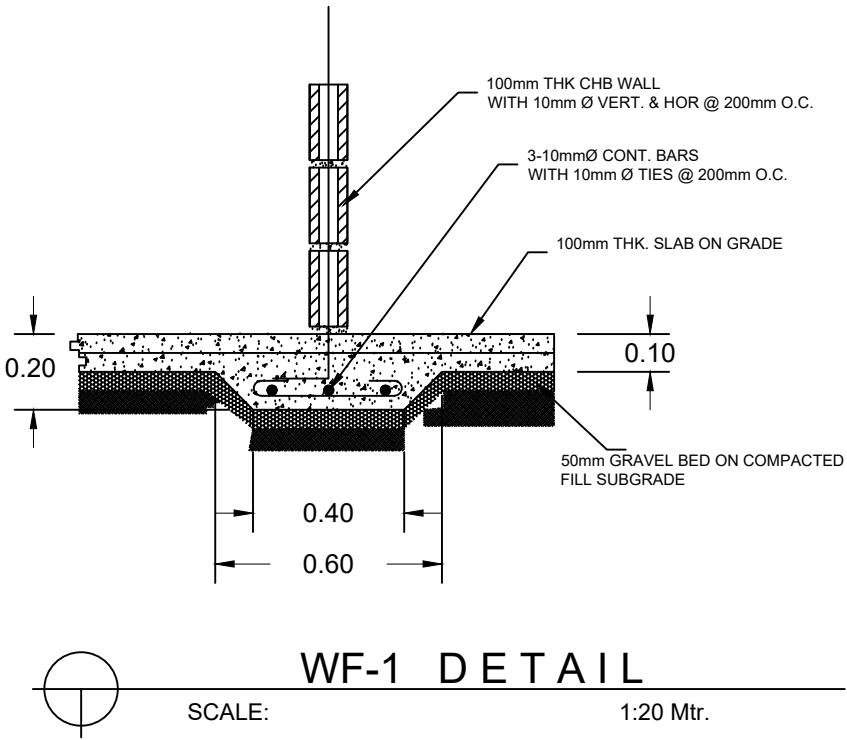
A-04
04 17

COLUMN FOOTING SCHEDULE

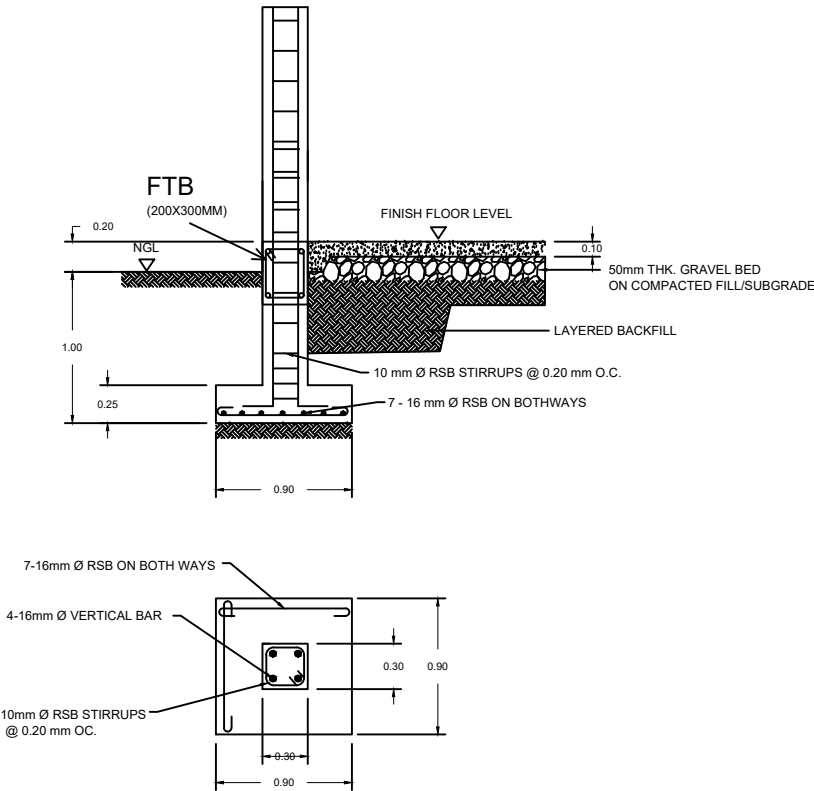
MARK	TYPE	PROPERTIES , mm			SECTION
		T	W	L	
F1	CONC.	250	900	900	
C1	CONC.	300	300	SEE PLAN DETAIL	
C-1	G.I.	6	150 Ø	SEE PLAN DETAIL	
C3	CONC.	150	300	1500	



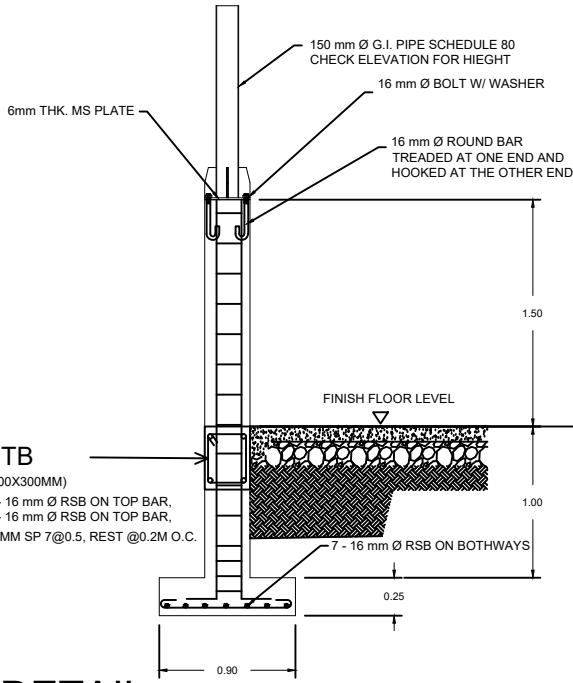
CONNECTION DETAIL OF COLUMN
SCALE: 1:30 Mtr.



WF-1 DETAIL
SCALE: 1:20 Mtr.



COLUMN & FOOTING DETAIL
SCALE: 1:50 Mtr.



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

PREPARED BY:

ENGR. CHRISTOPHER FEBB F. SAN MIGUEL
ENGINEER I, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

PRC ID:

PTR NO:

ISSUED ON:

ISSUED AT:

CHECKED BY:

ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:

ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:

DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:

**CONSTRUCTION OF
COMMUNAL PEN**
PHILIPPINE CARABAO CENTER

APPROVED BY:

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

DRAFTED BY:

CFFSM

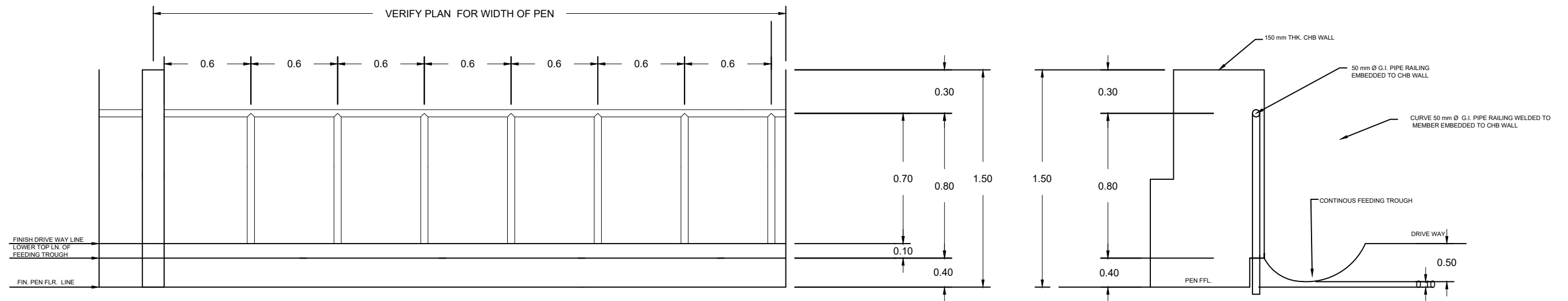
REVISION:

SHEET CONTENTS:

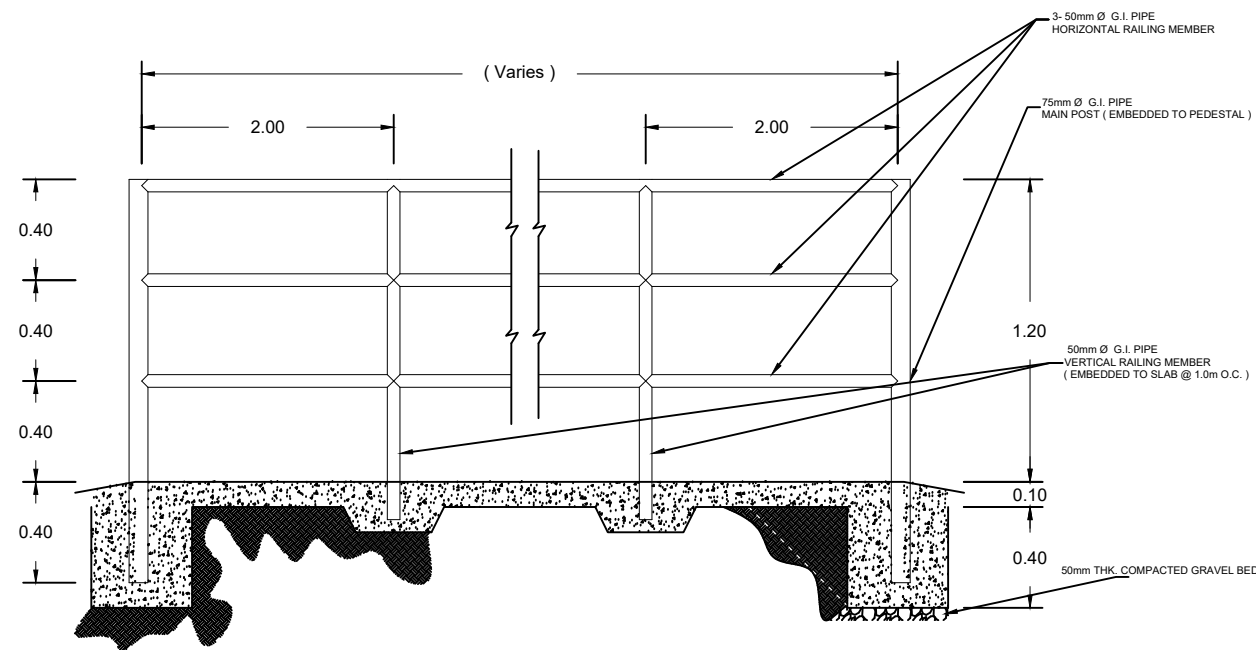
AS SHOWN

SHEET No.

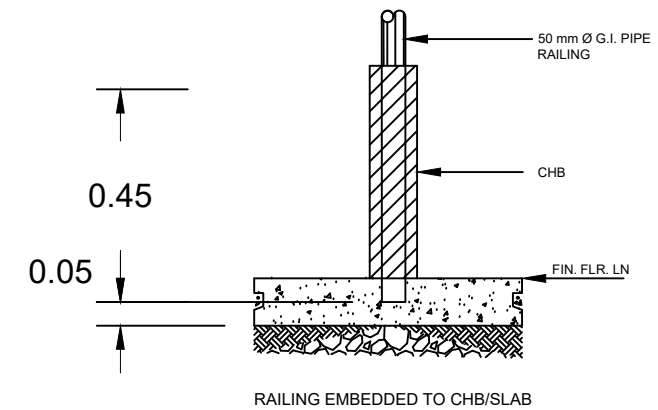
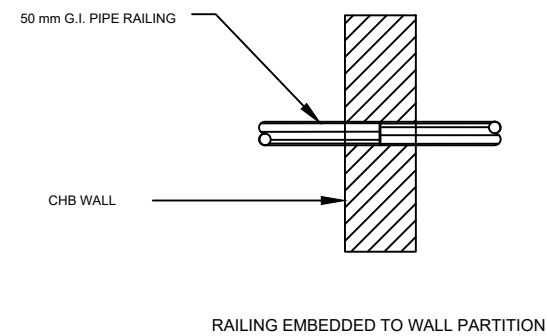
S-02
0717



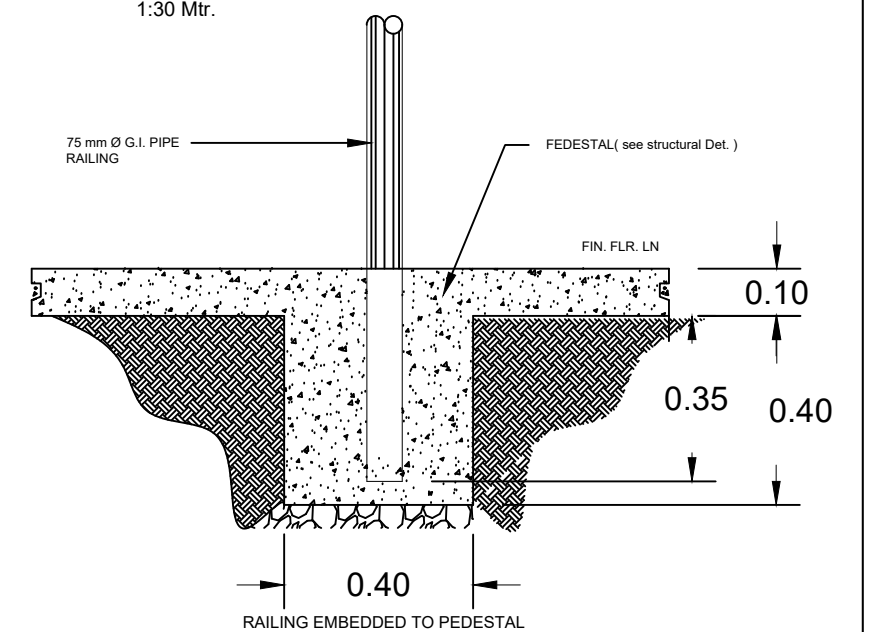
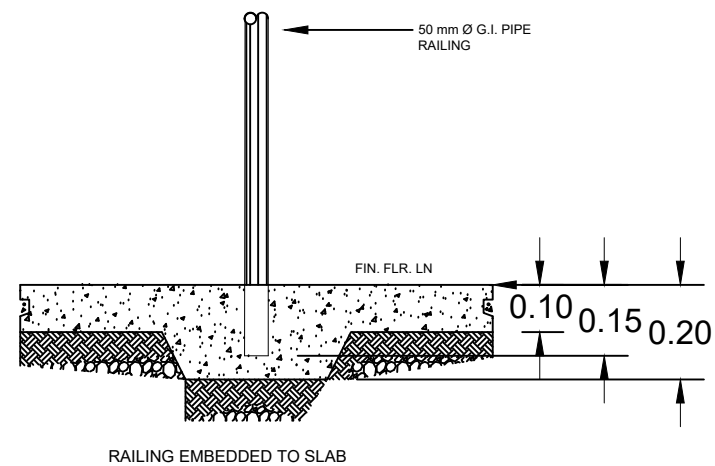
RAILING DETAIL @ FEEDING TROUGH
SCALE: 1:30 Mtr.



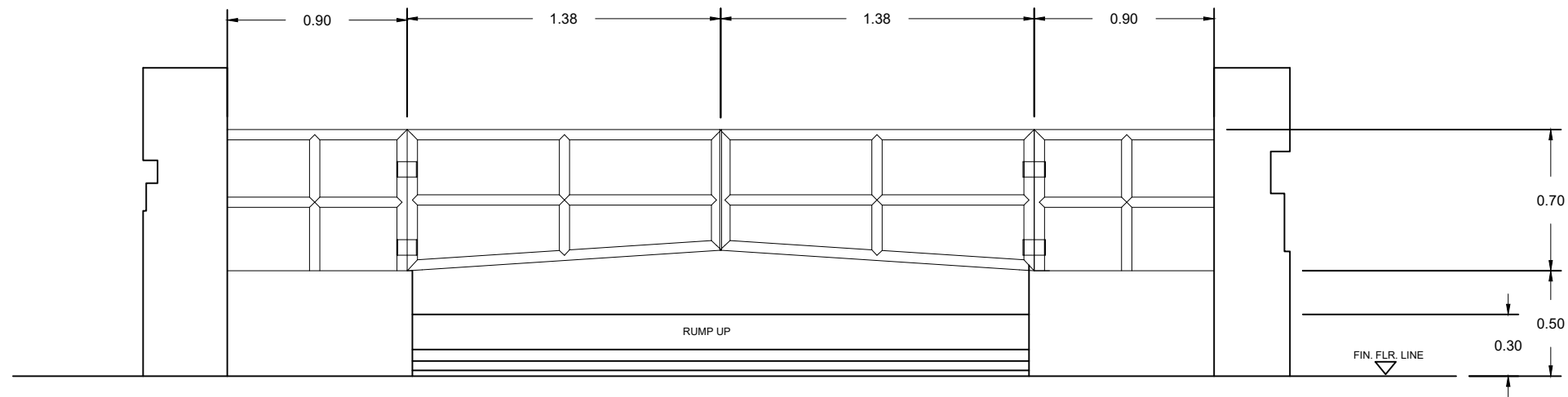
RAILING DETAIL
SCALE: 1:30 Mtr.

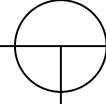


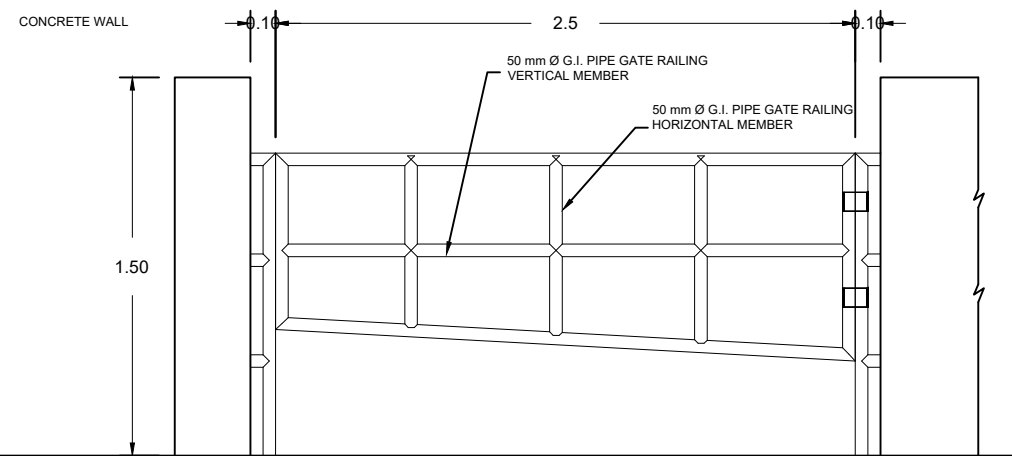
DETAIL OF EMBEDDED STEEL RAILING
SCALE: 1:30 Mtr.



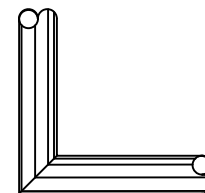
	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED BY:		REVIEWED BY:		RECOMMENDING APPROVAL:		PROJECT TITLE/LOCATION:		APPROVED BY:		DRAFTED BY:		SHEET CONTENTS:		SHEET No.			
		ENGR. CHRISTOPHER FEBB F. SAN MIGUEL ENGINEER I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		PRC ID:		ENGR. REDENTOR B. VANGUARDIA ENGINEER II, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		ENGR. EDUARDO P. DALUSONG HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		DR. GEOFFRAY R. ATOK CENTER DIRECTOR PHILIPPINE CARABAO CENTER - USM		CONSTRUCTION OF COMMUNAL PEN PHILIPPINE CARABAO CENTER		DR. LIZA G. BATTAD EXECUTIVE DIRECTOR, PHILIPPINE CARABAO CENTER		CFFSM		AS SHOWN		S-03 0817	
				PTR NO:												REVISION:					
				ISSUED ON:																	
		ISSUED AT:																			



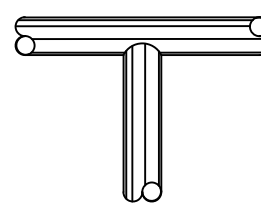

DETAIL OF GATE @ RUMP - UP
 SCALE: 1:30 Mtr.



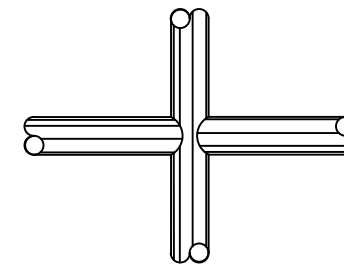

DETAIL OF STEEL GATE
 SCALE: 1:30 Mtr.



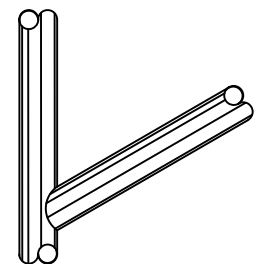
ANGLE CONNECTION



T - CONNECTION



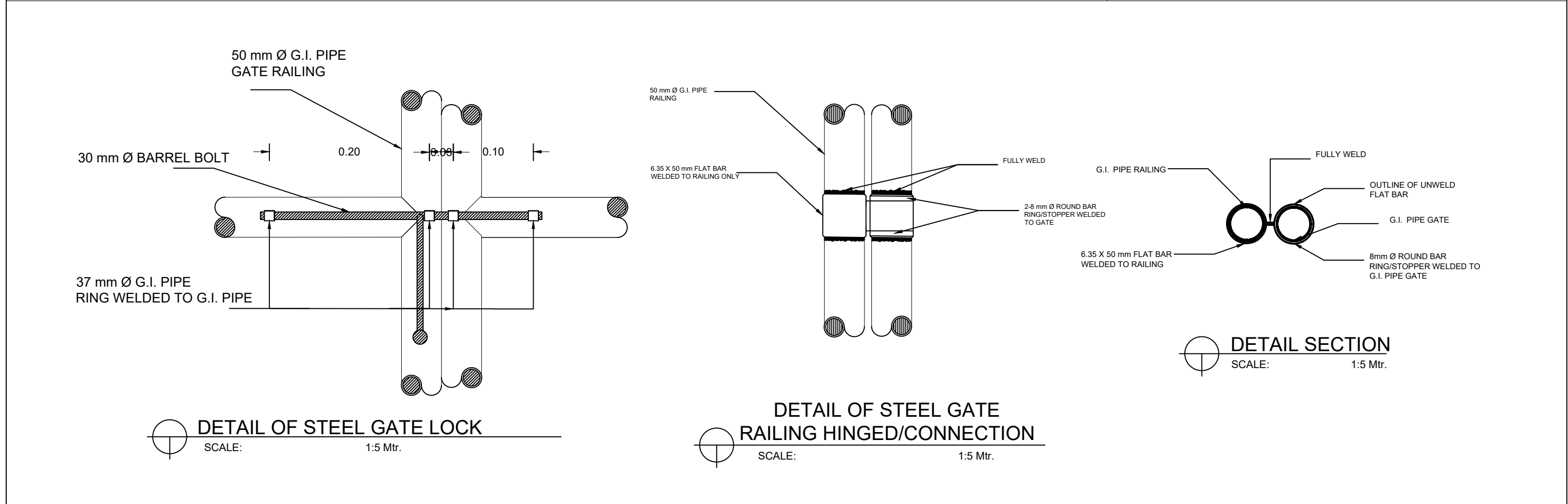
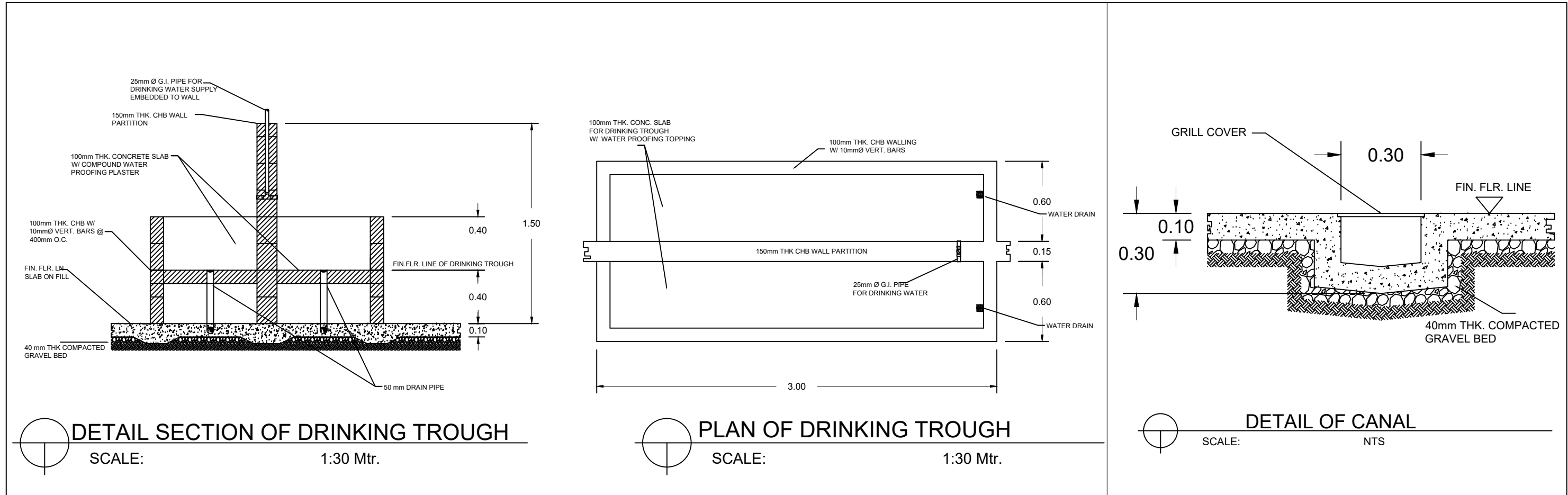
CROSS CONNECTION

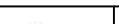


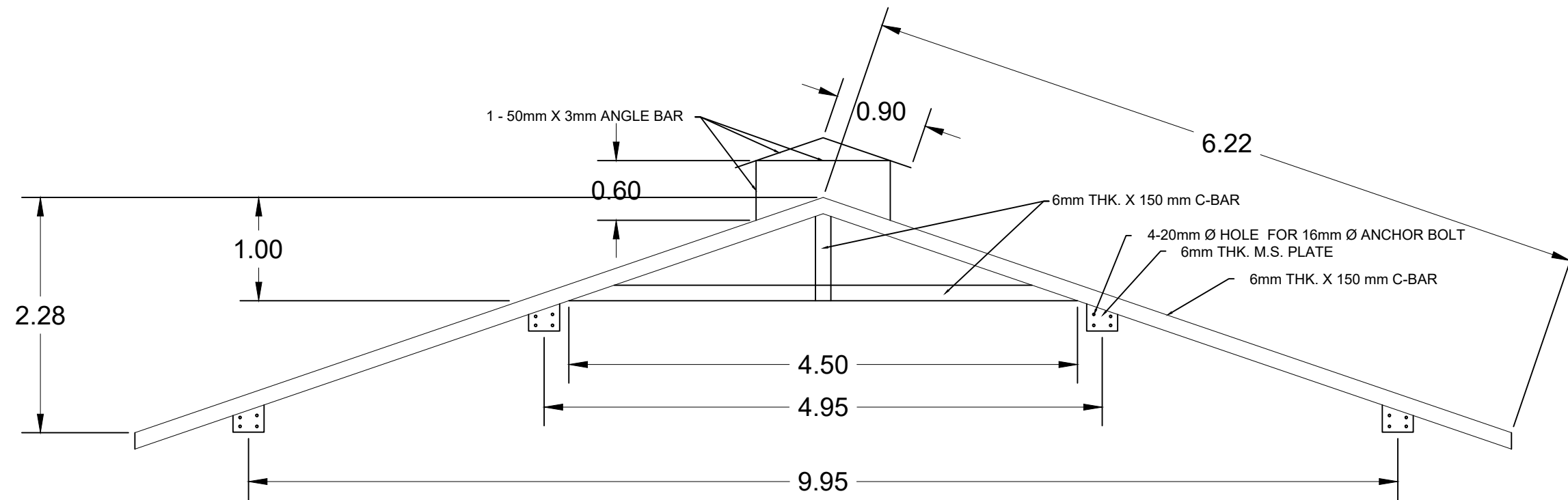
WYE CONNECTION


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

	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED BY:		REVIEWED BY:		RECOMMENDING APPROVAL:		PROJECT TITLE/LOCATION:		APPROVED BY:		DRAFTED BY:	SHEET CONTENTS:	SHEET No.
		ENGR. CHRISTOPHER FEBB F. SAN MIGUEL		ENGR. REDENTOR B. VANGUARDIA		ENGR. EDUARDO P. DALUSONG		DR. GEOFFRAY R. ATOK		CONSTRUCTION OF COMMUNAL PEN		DR. LIZA G. BATTAD		CFFSM	AS SHOWN	
		ENGINEER I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		ENGINEER II, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		CENTER DIRECTOR, PHILIPPINE CARABAO CENTER - USM		PHILIPPINE CARABAO CENTER		EXECUTIVE DIRECTOR, PHILIPPINE CARABAO CENTER		REVISION:		
		PTR NO:		ISSUED ON:		ISSUED AT:										



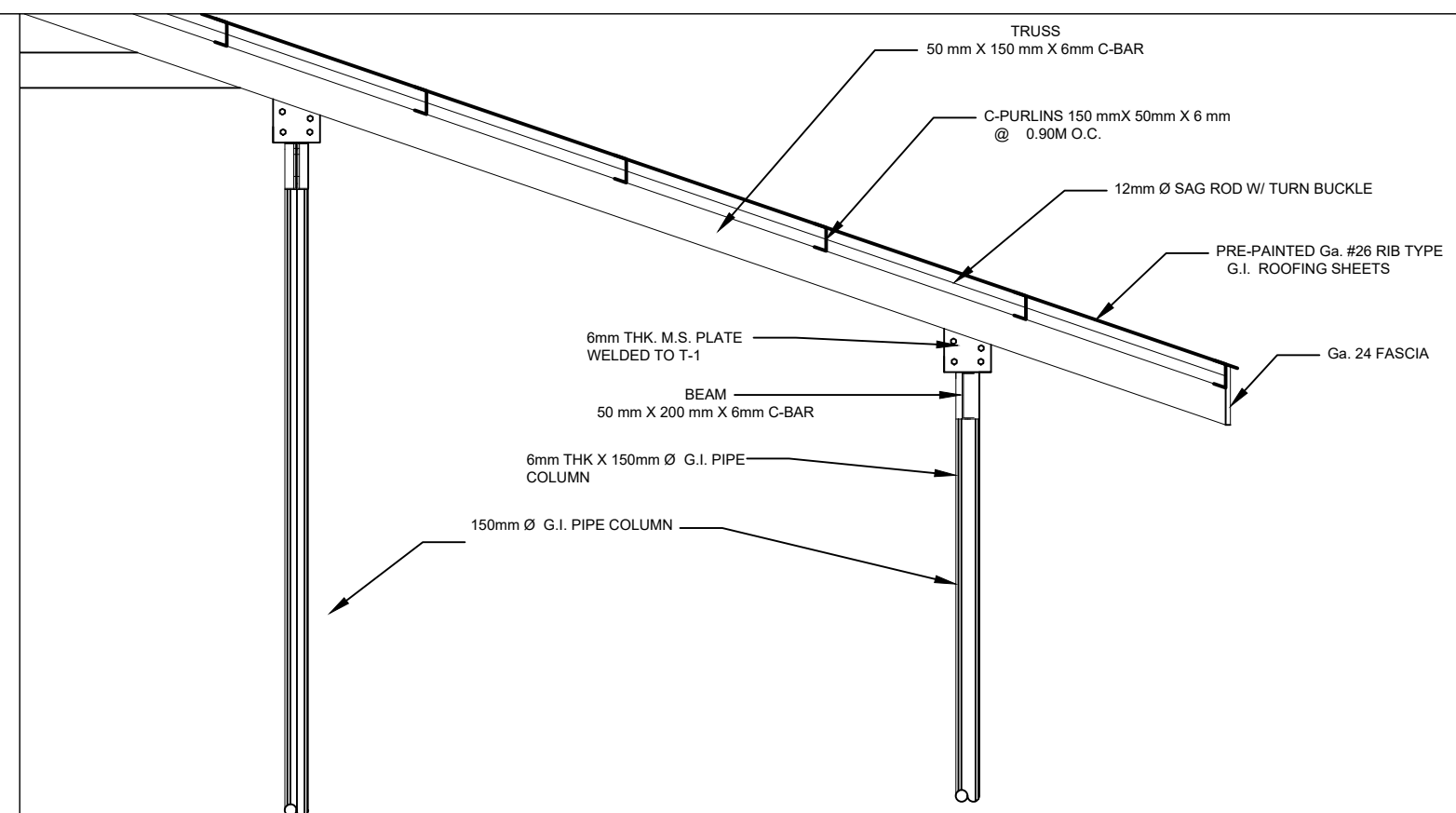
	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED BY:		REVIEWED BY:		RECOMMENDING APPROVAL:		PROJECT TITLE/LOCATION:		APPROVED BY:		DRAFTED BY:	SHEET CONTENTS:	SHEET No.					
		ENGR. CHRISTOPHER FEBB F. SAN MIGUEL ENGINEER I, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		ENGR. REDENTOR B. VANGUARDIA ENGINEER II, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		ENGR. EDUARDO P. DALUSONG HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER		DR. GEOFFRAY R. ATOK CENTER DIRECTOR PHILIPPINE CARABAO CENTER - USM		CONSTRUCTION OF COMMUNAL PEN PHILIPPINE CARABAO CENTER		DR. LIZA G. BATTAD EXECUTIVE DIRECTOR, PHILIPPINE CARABAO CENTER		CFFSM	AS SHOWN						
														PTR NO:			ISSUED ON:		REVISION:		
														ISSUED AT:							



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

TRUSS SCHEDULE

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



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



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

PREPARED BY:

ENGR. CHRISTOPHER FEBB F. SAN MIGUEL
ENGINEER I, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

PRC ID:

PTR NO:

ISSUED ON:

ISSUED AT:

CHECKED BY:

ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:

ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:

DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:

CONSTRUCTION OF COMMUNAL PEN
PHILIPPINE CARABAO CENTER

APPROVED BY:

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

DRAFTED BY:

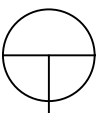
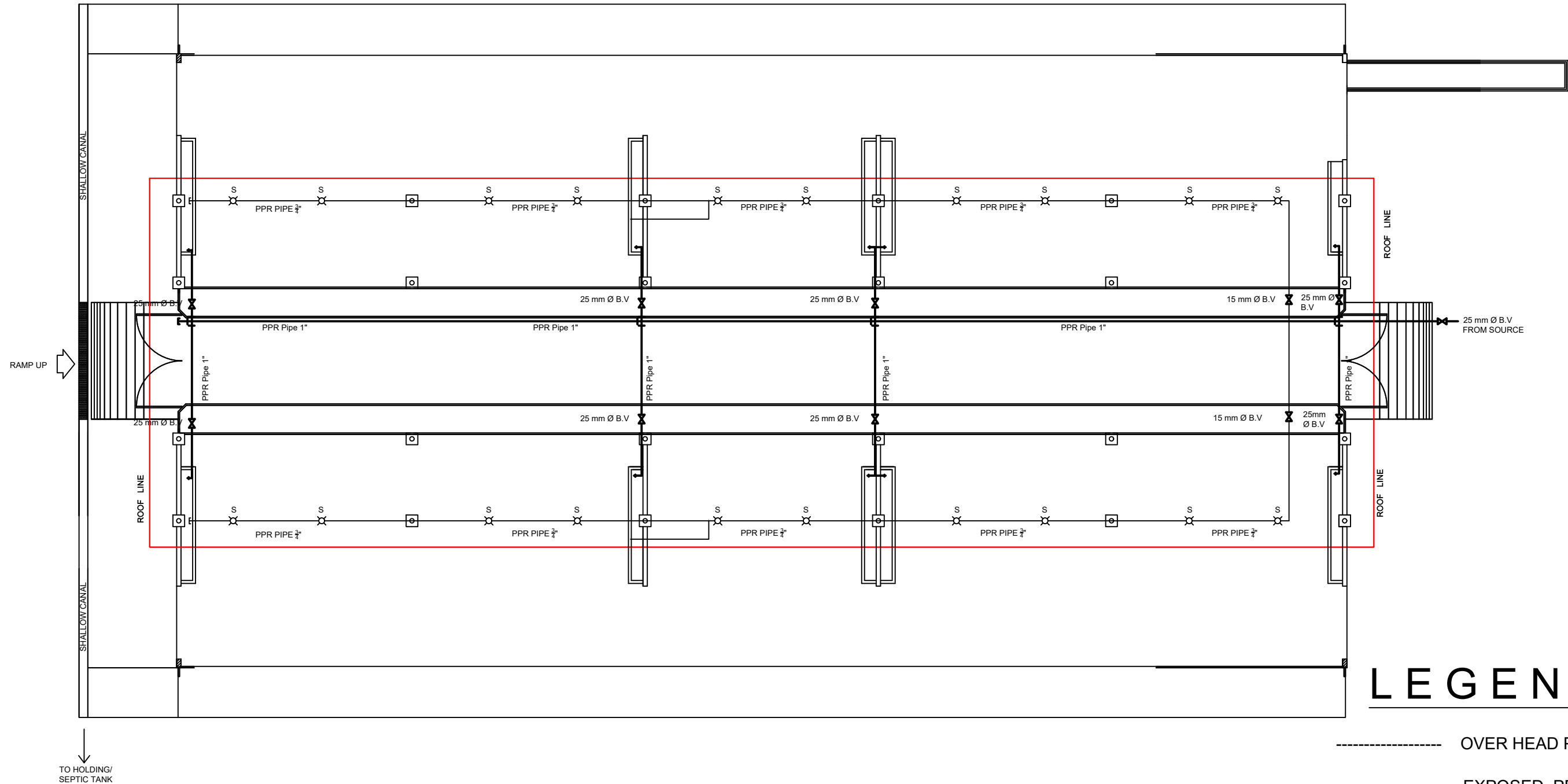
CFFSM
REVISION:

SHEET CONTENTS:

AS SHOWN

SHEET No.

S-07
12/17



SANITARY AND WATER SUPPLY LAY OUT

SCALE: 1:150 Mtr.

LEGEND

- OVER HEAD PPR PIPE
- EXPOSED PPR PIPE
- LIMIT OF SCOPE OF WORK
- PPR PLUG END
- X— BALL VALVE
- +— HOSE BIBB/FAUCET
- SPRINKLER



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

PREPARED BY:

ENGR. CHRISTOPHER FEBB F. SAN MIGUEL
ENGINEER I, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

PRC ID:
PTR NO:
ISSUED ON:
ISSUED AT:

CHECKED BY:

ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:

ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:

DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:

**CONSTRUCTION OF
COMMUNAL PEN**
PHILIPPINE CARABAO CENTER

APPROVED BY:

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

DRAFTED BY:

CFFSM

REVISION:

SHEET CONTENTS:

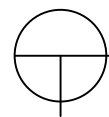
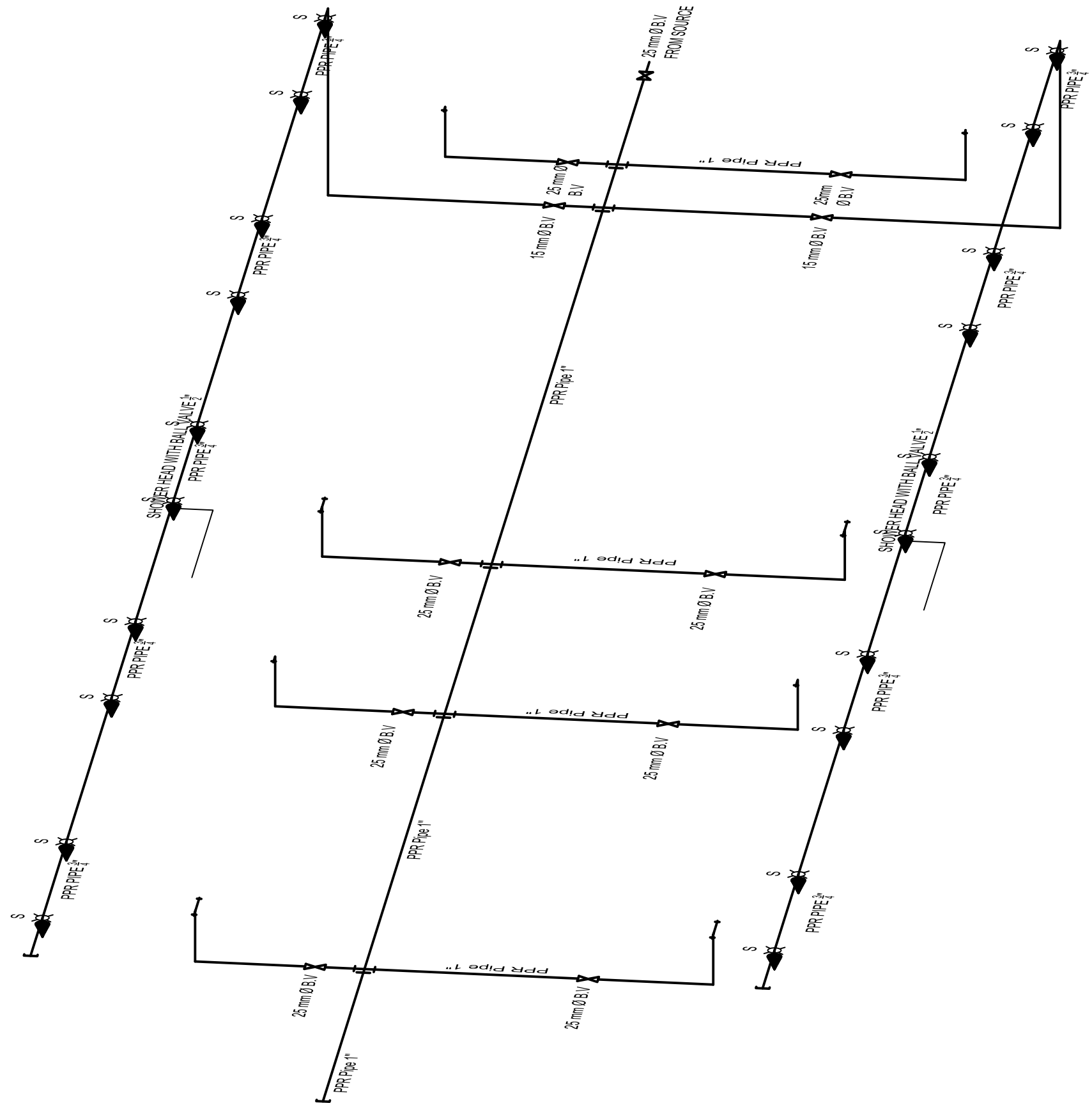
AS SHOWN

SHEET No.

P-01
13/17

LEGEND

- OVER HEAD PPR PIPE
- EXPOSED PPR PIPE
- ⌋ LIMIT OF SCOPE OF WORK
- ┌ PPR PLUG END
- ✕ BALL VALVE
- + HOSE BIBB/FAUCET
- SPRINKLER



ISOMETRIC DIAGRAM

SCALE:

NTS



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

PREPARED BY:

ENGR. CHRISTOPHER FEBB F. SAN MIGUEL
ENGINEER I, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

PRC ID:
PTR NO:
ISSUED ON:
ISSUED AT:

CHECKED BY:

ENGR. REDENTOR B. VANGUARDIA
ENGINEER II, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

REVIEWED BY:

ENGR. EDUARDO P. DALUSONG
HEAD, LIVESTOCK ENGINEERING SECTION,
PHILIPPINE CARABAO CENTER

RECOMMENDING APPROVAL:

DR. GEOFFRAY R. ATOK
CENTER DIRECTOR
PHILIPPINE CARABAO CENTER - USM

PROJECT TITLE/LOCATION:

**CONSTRUCTION OF
COMMUNAL PEN**
PHILIPPINE CARABAO CENTER

APPROVED BY:

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

DRAFTED BY:

CFFSM
REVISION:

SHEET CONTENTS:

AS SHOWN

SHEET No.

P-02
14 17

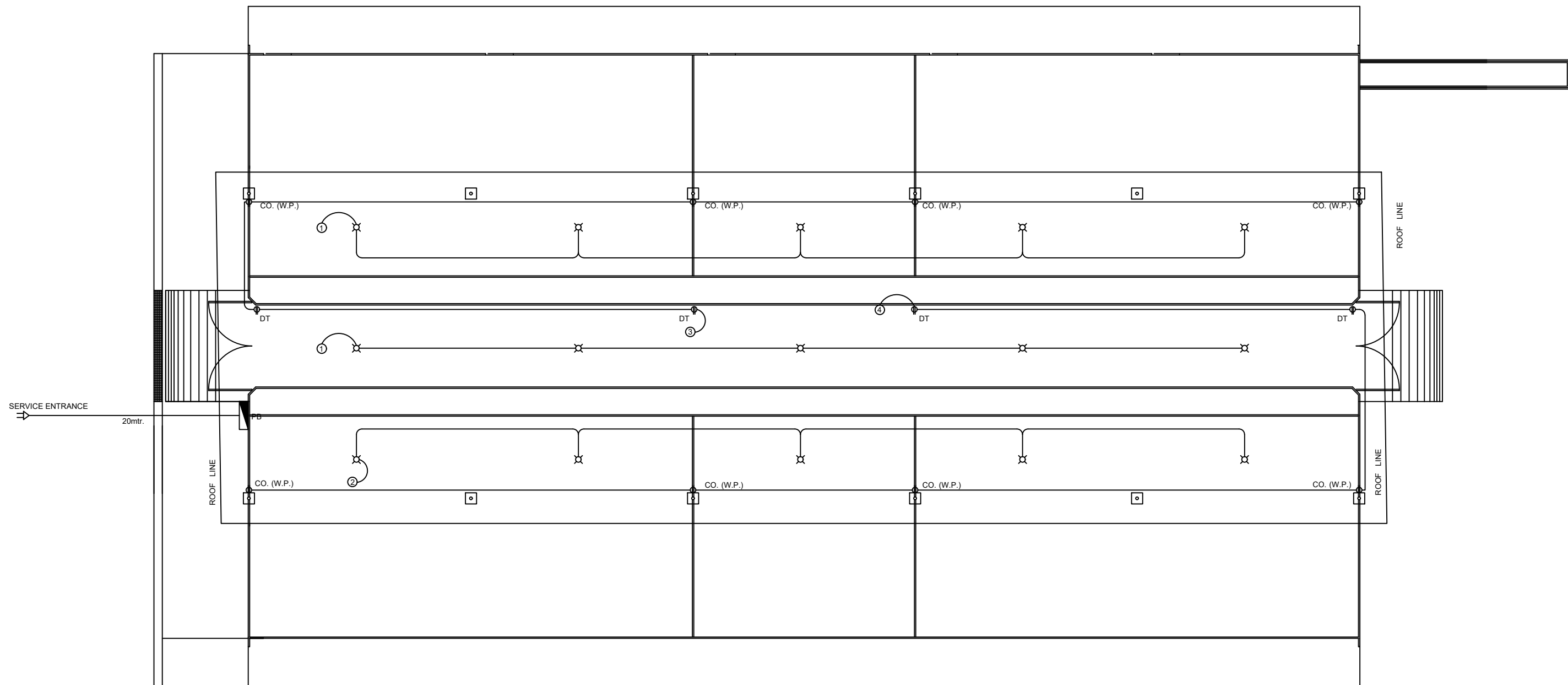
GENERAL NOTES AND SPECIFICATIONS

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.

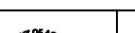
5. PULL BOXES OF APPROPRIATE SIZE SHALL BE PROVIDED, EVEN IF NOT INDICATED IN DRAWING TO ACCOMODATE THE NUMBER OF SPICES OF WIRE.
6. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND APPROVED TYPE APPROPRIATE FOR BOTH LOCATION AND INTENDED USE.
7. ELECTRICAL INSTALLATIONS SHALL BE THE DIRECT SUPERVISION 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	S
SERVICE ENTRANCE (INDICATE THE NUMBER OF CONDUCTOR, SIZE, TYPE AND VOLTAGE)	S _{ab}
COMPACT FLOURESCENT LAMP	
SERVICE KILOWATT-HOUR METER	
CIRCUIT BREAKER (INDICATE TYPE AND Kv SETTING)	



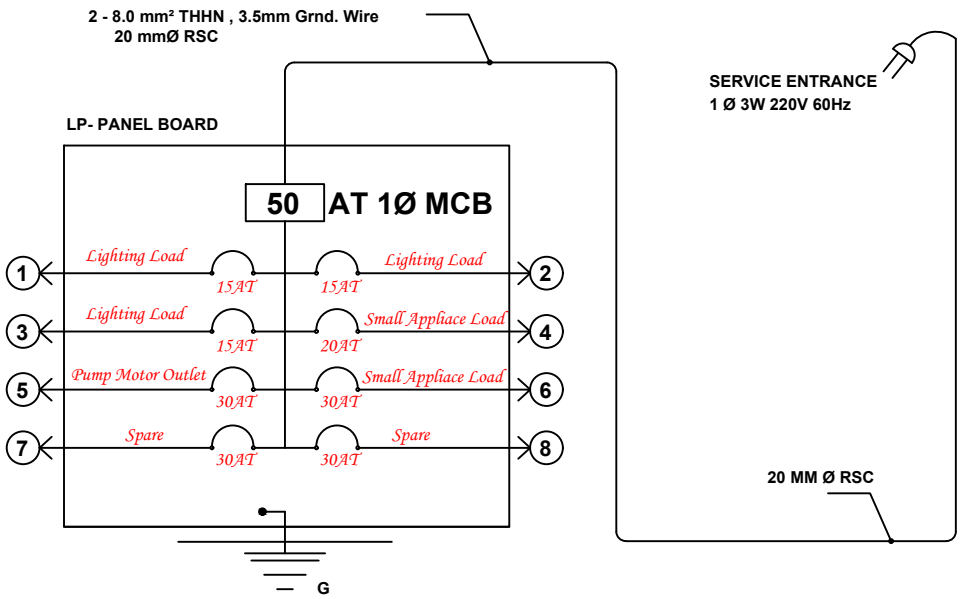
 POWER AND LIGHTING LAY OUT
SCALE: 1:100 Mtr.

	PHILIPPINE CARABAO CENTER NATIONAL GENE POOL & HEADQUARTERS CLSU Cpd., Science City of Munoz, Nueva Ecija	PREPARED BY:		CHECKED BY:	REVIEWED BY:	RECOMMENDING APPROVAL:	PROJECT TITLE/LOCATION:	APPROVED BY:	DRAFTED BY:	SHEET CONTENTS:	SHEET No.
			PRC ID:	<u>ENGR. REDENTOR B. VANGUARDIA</u> ENGINEER II, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	<u>ENGR. EDUARDO P. DALUSONG</u> HEAD, LIVESTOCK ENGINEERING SECTION, PHILIPPINE CARABAO CENTER	<u>DR. GEOFFRAY R. ATOK</u> CENTER DIRECTOR PHILIPPINE CARABAO CENTER - USM	CONSTRUCTION OF COMMUNAL PEN PHILIPPINE CARABAO CENTER	<u>DR. LIZA G. BATTAD</u> EXECUTIVE DIRECTOR, PHILIPPINE CARABAO CENTER	CFFSM	AS SHOWN	
			PTR NO:						REVISION:		
			ISSUED ON:								
			ISSUED AT:								

SCHEDULE OF LOADS

PANEL BOARD: LP (NEMA)				RATING: 100AF					
CIRCUIT NO.	DESCRIPTION	NO. OF OUTLET	WATTS	VOLTS	AMPS	CIRCUIT BREAKER	POLES	CONDUCTOR THHN-----MM²	CONDUIT RSC-----MM²
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	SPARE			220		30			
7	SPARE			220		30			
8	SPARE			220		30			
SUBTOTAL			3900		17.71				

I = 17.71 x 220/1000 =3.896kva
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