



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO.5
SAN AGUSTIN, PILI CAMARINES SUR.

PROJECT TITLE

P R O P O S E D :

**CONSTRUCTION OF RRC-III
(Rice Processing Center - III)**

LOCATION:

BRGY. CAUSIP, BULA, CAMARINES SUR

PREPARED BY:


RAED OFFICE

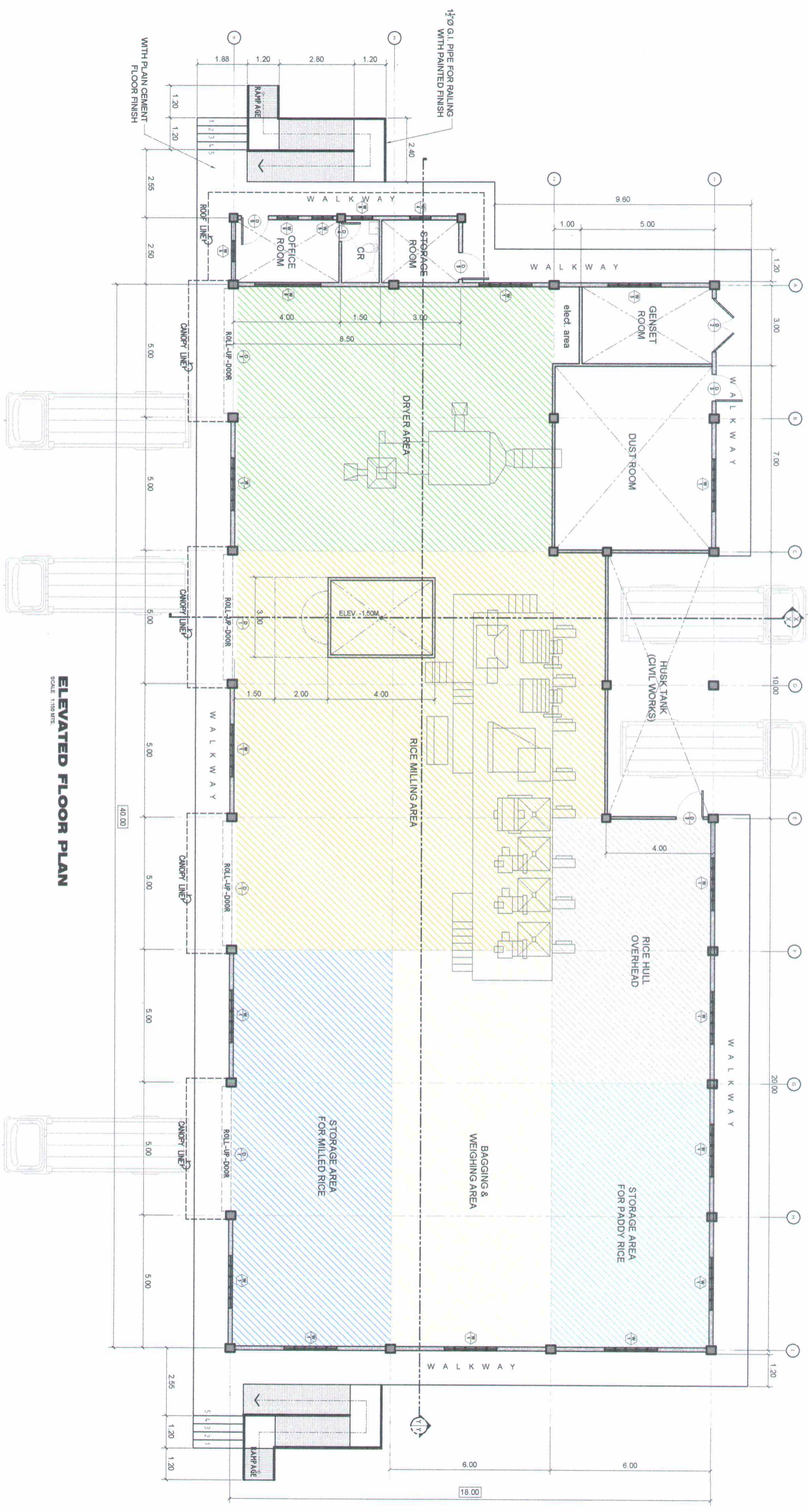




PERSPECTIVE VIEW
NOT TO SCALE

- NOTE :**
- * VERIFY ACTUAL SITE LOCATION FOR THE PROPOSED PROJECT CONSTRUCTION.
 - * USE D.A STANDARD COLOR COMBINATION FOR ALL EXTERIOR PAINT FINISH, INCLUDING D.A. LOGO (size may vary)

 <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE REGIONAL FIELD UNIT NO. 5 SAN AGUSTIN, PILL, CAMARINES SUR</p>	Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	<p>Name of Project: CONSTRUCTION OF RPPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR</p> <p>Location: BRGY. CAUSIP, BULA, CAMARINES SUR</p> <p>Source of fund: GAA - 2023</p> <p>Sheet Contents: AS SHOWN ABOVE</p>
	<p>CHESTER B. BOTOR Civil Engineer</p>	<p>ENGR. ONORRE A. RUIZ JR. Civil Engineer in-Charge</p>	<p>ENGR. LUISYOLA BALTAZAR Off. EPDSS HEAD</p>	<p>ENGR. GILBERT SALCEDO Off-Chief, RAED</p>	<p>LUIZ R. MARCELINO RTTD, for Operation</p>	<p>RODEL P. TORRILLO MABE Regional Executive Director</p>	

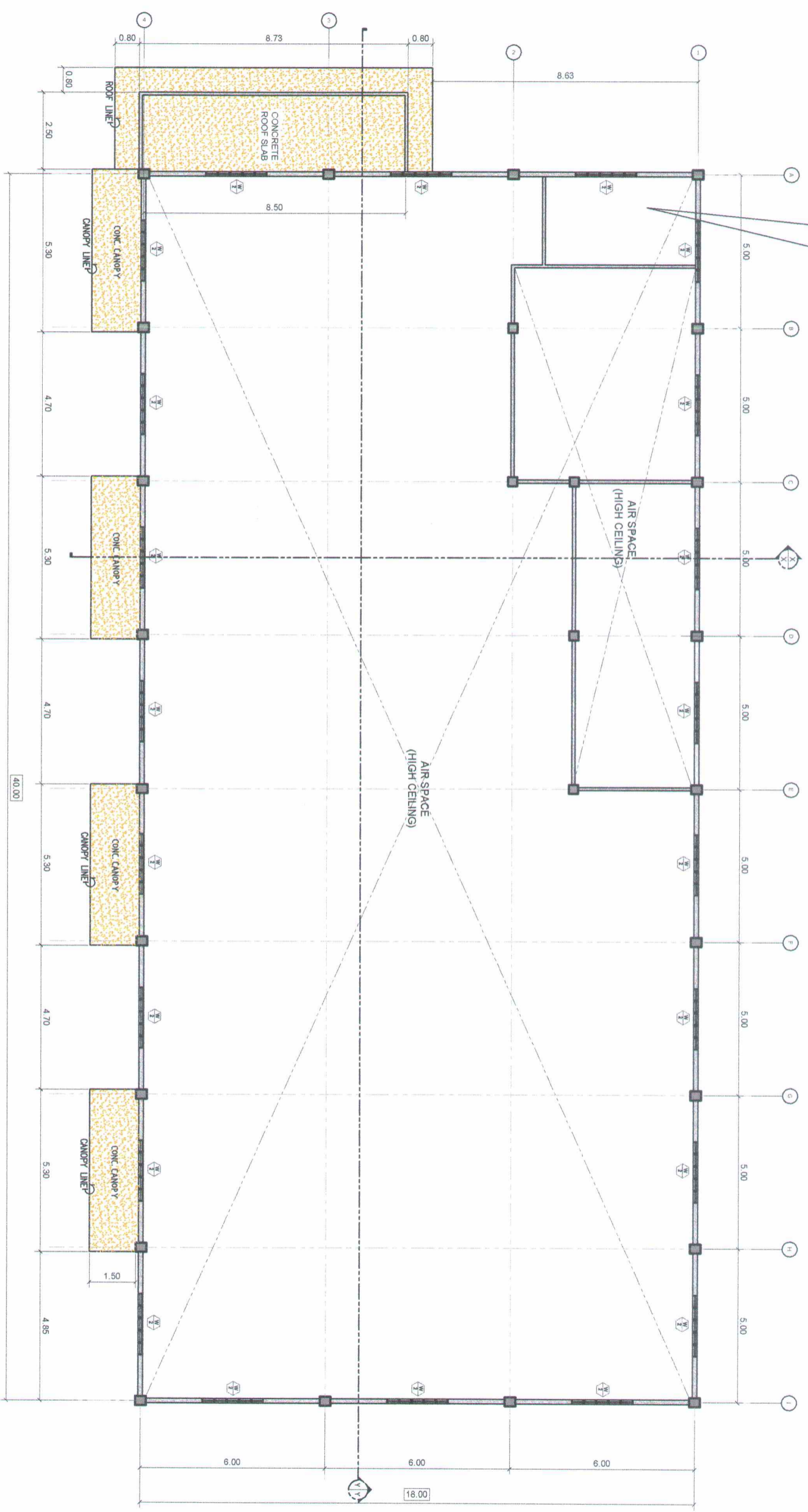


ELEVATED FLOOR PLAN
SCALE 1:150 INTS.


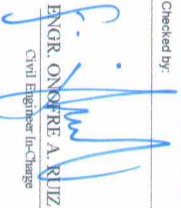
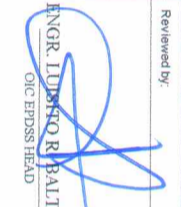


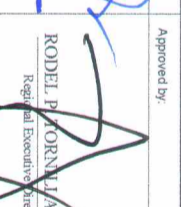
Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
CHESTER B. BOTOR LAD & DESIGN	ENGR. ONORRE A. RUIZ JR. Civil Engineer-in-Charge	ENGR. THEODOR BALTANZAR OIC-EDSS HEAD	ENGR. GILBERT SAUCEDO OIC-Chief RAID	LIZ R. MARCELINO RTD, for Operation	RODEL P. FORNIDA, MAJE Regional Executive Director	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE	ONESTER DATE: 4-28-23 Sheet No.

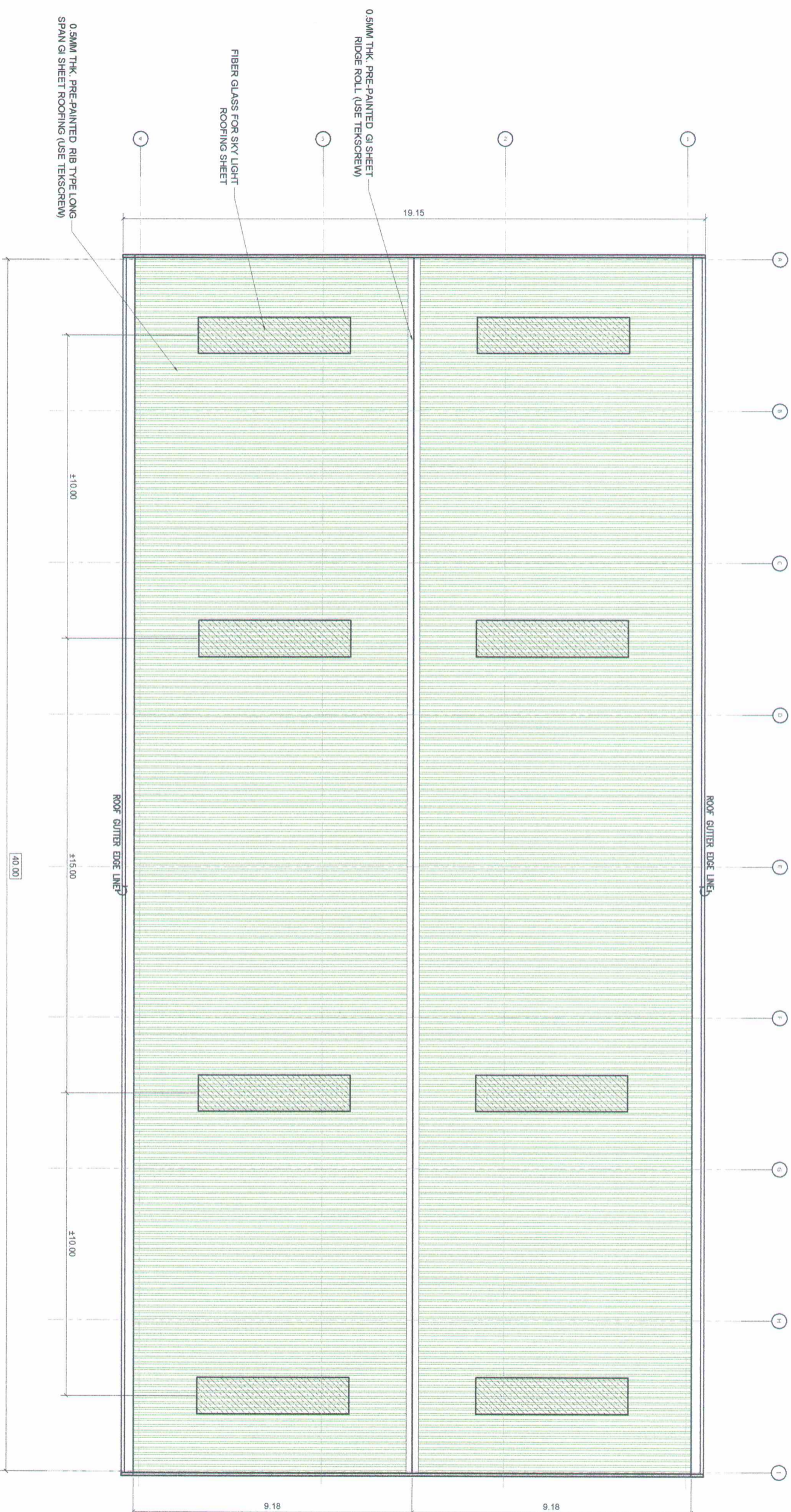
NOTE FOR CEILING @ GENSET ROOM:

- USE 1/2" MARINE PLYWOOD FOR CEILING COVER
- WITH 2" x 2" KD GOOD LUMBER CEILING JOIST SPACED @ 4.40M O.C. BOTH WAYS.
- HANGER SUPPORT (2" x 2" KD GOOD LUMBER) @ EVERY 1.20M.



LOWER ROOF PLAN
SCALE: 1:150 MMS.

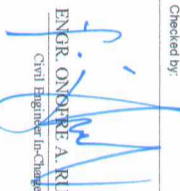
Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
 CHESTER B. POTOR A/D & DESIGN	 ENGR. ONOFRE A. RUIZ JR. CIVIL Engineer in-Charge	 ENGR. LEONARDO R. BALTAZAR OIC EPDSS HEAD	 ENGR. GILBERT SAUCEDO OIC-Chief, RAED	 LUZ R. MARCELINO RTD, for Operation	 RODELL P. FORNILLA, MABE Regional Executive Director	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE	ONE:TER DATE: 4-28-23 SHEET NO.:




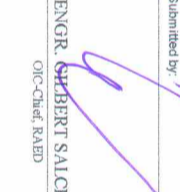
MAIN ROOF PLAN
SCALE 1:150 MTS

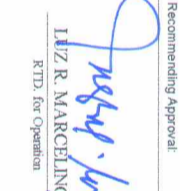
Prepared by:

CHESLER B. MOTOR
AD-3 Division

Checked by:

ENGR. ONOFRE A. RUIZ JR.
Civil Engineer-In-Charge

Reviewed by:

ENGR. LUISITO R. HANZAR
Off. EPDSS HEAD

Submitted by:

ENGR. GILBERT SALCEDO
Off-Chief RAED

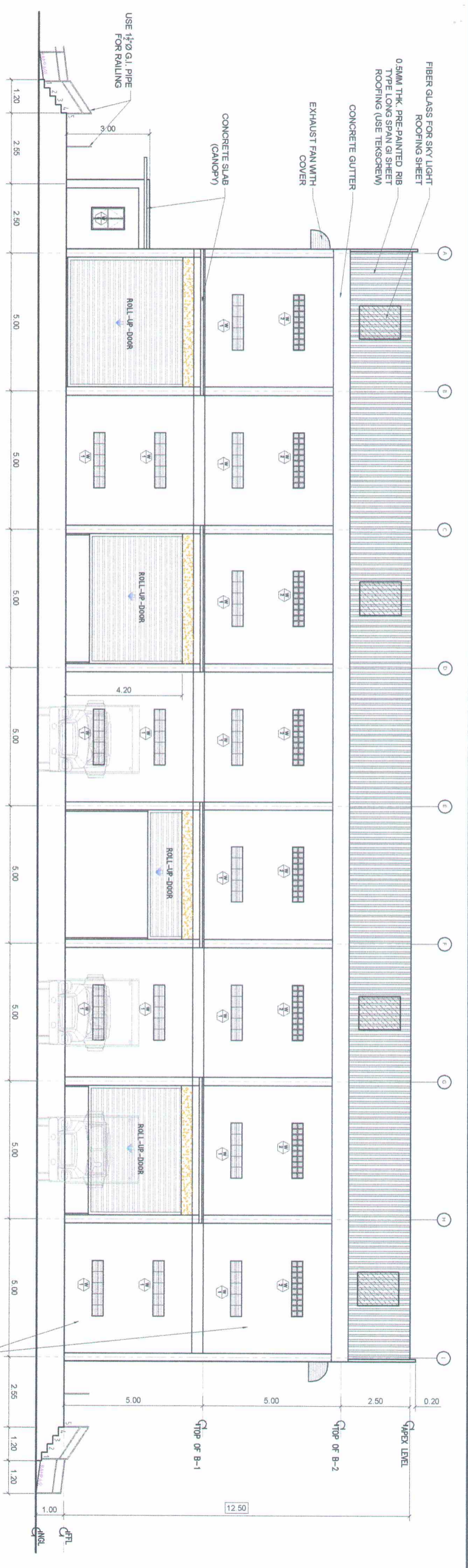
Recommending Approval:

LIZ R. MARCELINO
RTD, for Operation

Approved by:

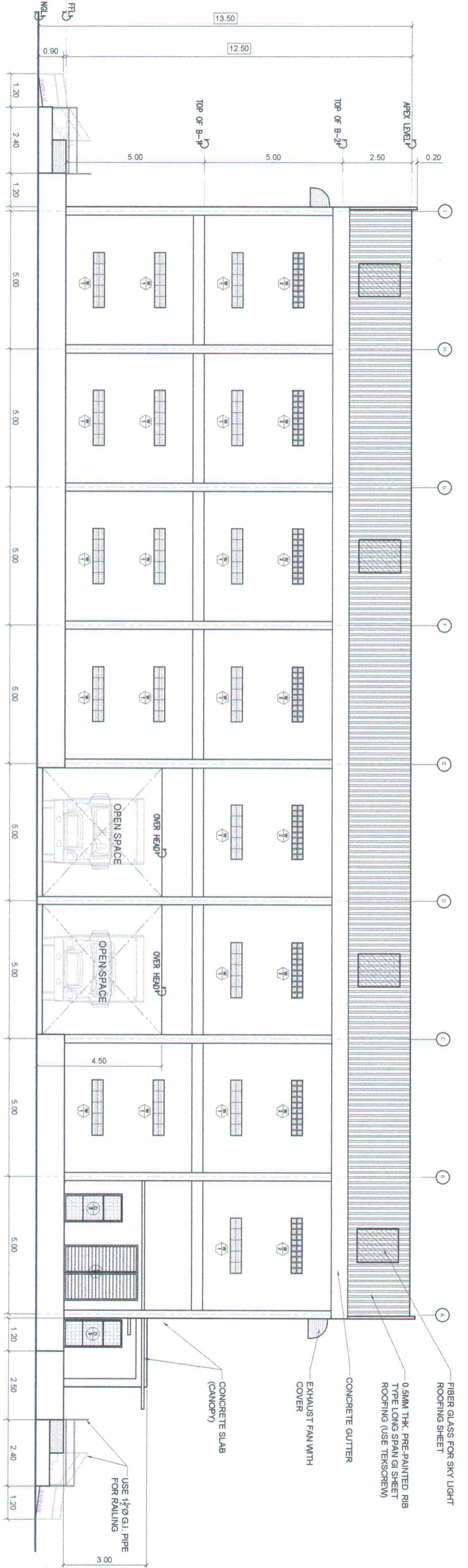
RODELL P. TRONILLA
Regional Executive Director

Name of Project:
CONSTRUCTION OF RPC-III
 (Rice Processing Center)
 BRGY. CAUSIP, BULA, CAMARINES SUR
 GAA - 2023
 AS SHOWN ABOVE


CAD by:
 CHESTER
 DATE:
 4-28-23
 Sheet No.:



FRONT ELEVATION
SCALE 1:150 MTS.



REAR ELEVATION
SCALE 1:150 MTS.

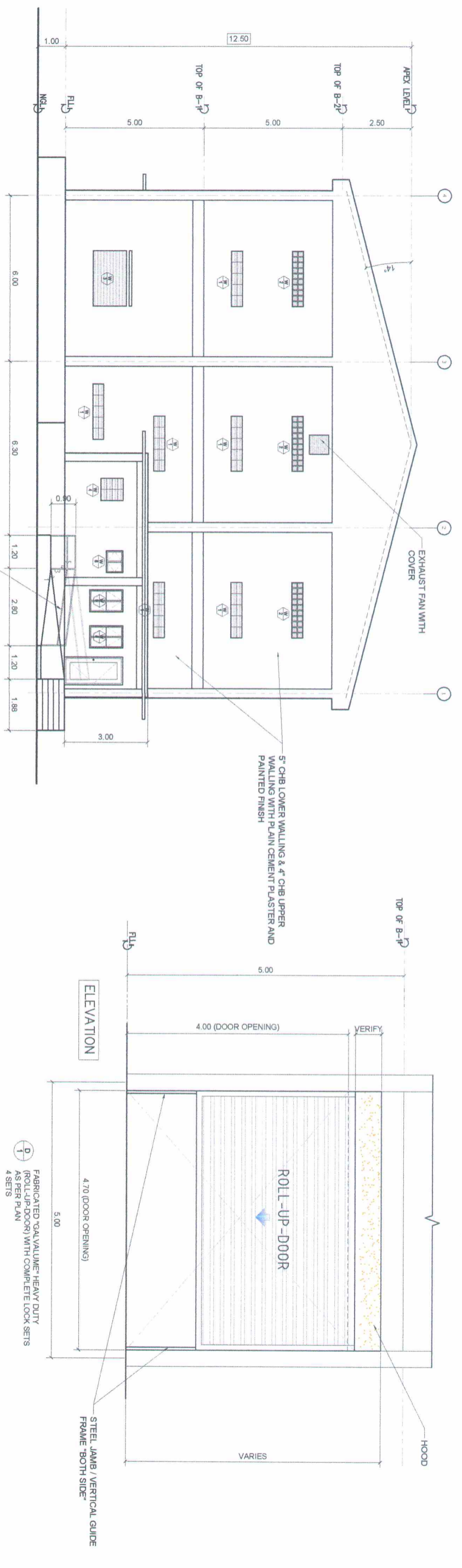


REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO. 5
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by: *CHESTER B. BOTOR*
Checked by: *ENGR. ONDRE A. RUIZ JR.*
Reviewed by: *ENGR. LUIS R. BALTAZAR*
Submitted by: *ENGR. GILBERT SALCEDO*
Recommending Approval: *LIZ R. MARCELINO*
Approved by: *RODEL P. ORNIA*

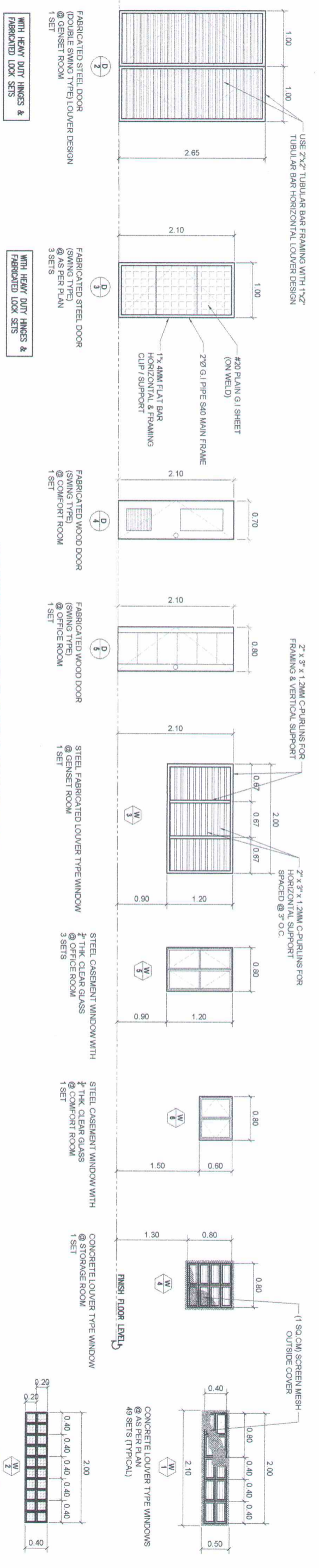
Name of Project: **CONSTRUCTION OF RPC-III (Rice Processing Center)**
Location: **BRGY. CAUSIP, BULA, CAMARINES SUR**
Source of fund: **GAA - 2023**
Sheet Contents: **AS SHOWN ABOVE**

GAD by: _____
DATE: **4-28-23**
Sheet No.: **7**



LEFT SIDE ELEVATION
SCALE: 1:100 MBS.

NOTE:
INSTALLER / FABRICATOR SHOULD PROVIDE THE DETAIL AND SPECIFICATION OF MATERIALS TO BE NEEDED (IF APPLICABLE)



SCHEDULE OF DOORS WINDOWS
SCALE: 1:75 MBS.

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO. 5
SAN AGUSTIN, PILL, CAMARINES SUR

Prepared by: *[Signature]*
Checked by: *[Signature]*
Reviewed by: *[Signature]*
Submitted by: *[Signature]*
Recommending Approval: *[Signature]*
Approved by: *[Signature]*

ENGR. CHESTER B. BOTOR
CADD & DESIGN

ENGR. ONORIE A. RUIZ JR.
Civil Engineer-in-Charge

ENGR. LUISITO R. BALTAZAR
OIC-EPDSS FEAD

ENGR. GILBERT SALCEDO
OIC-Chief RAAD

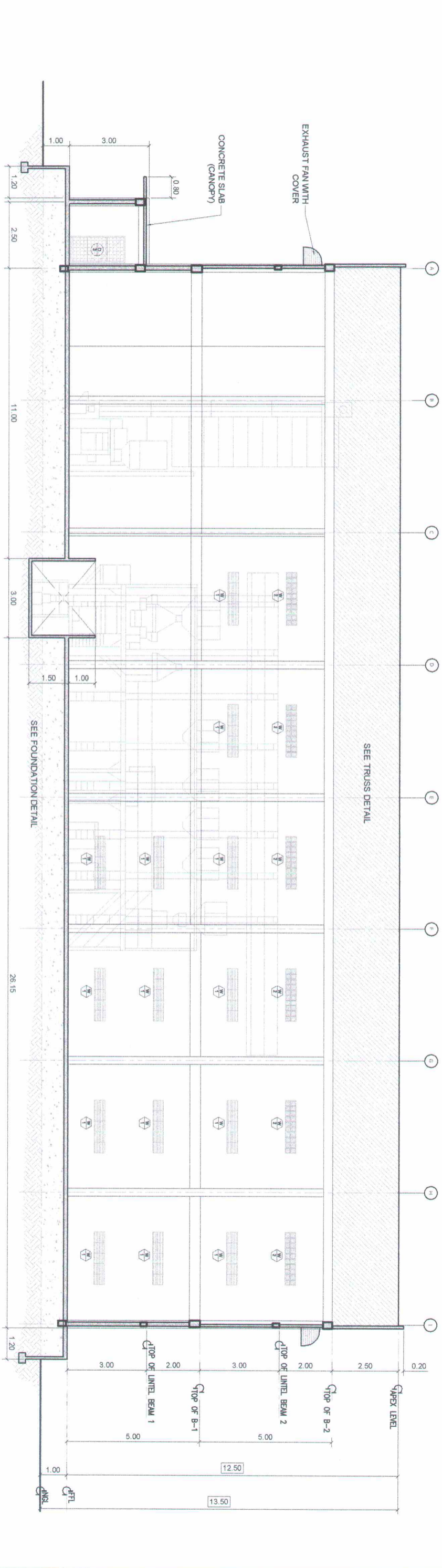
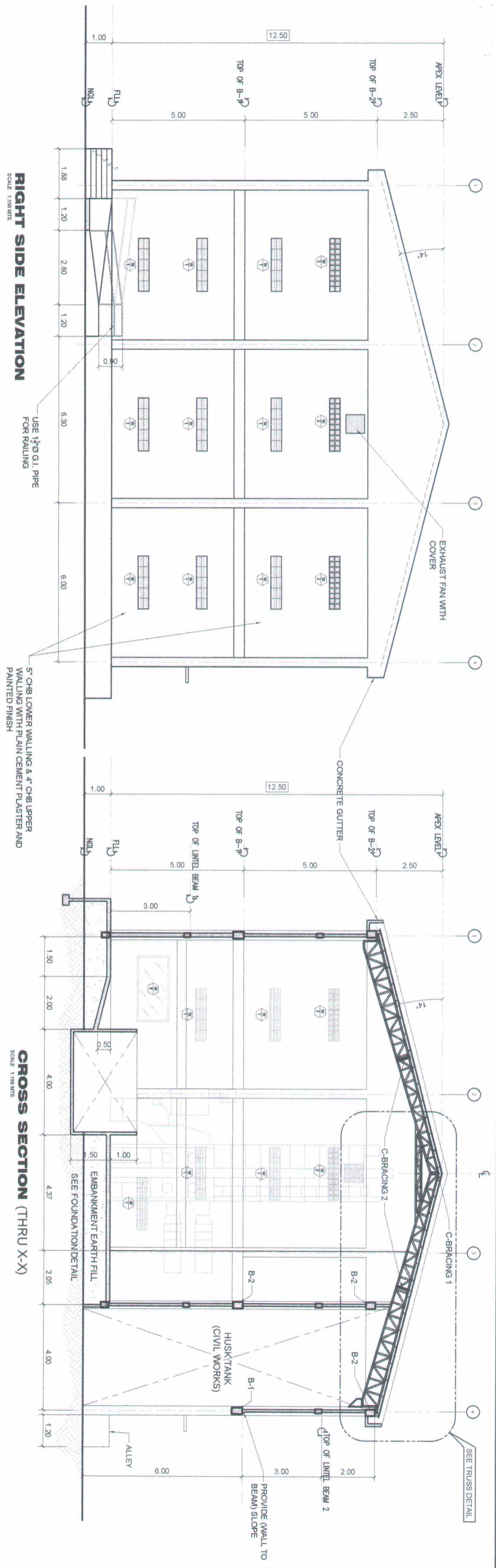
LUIZ R. MARCELINO
RTD for Operation

RODEL P. TORRENTELLA
Regional Executive Director

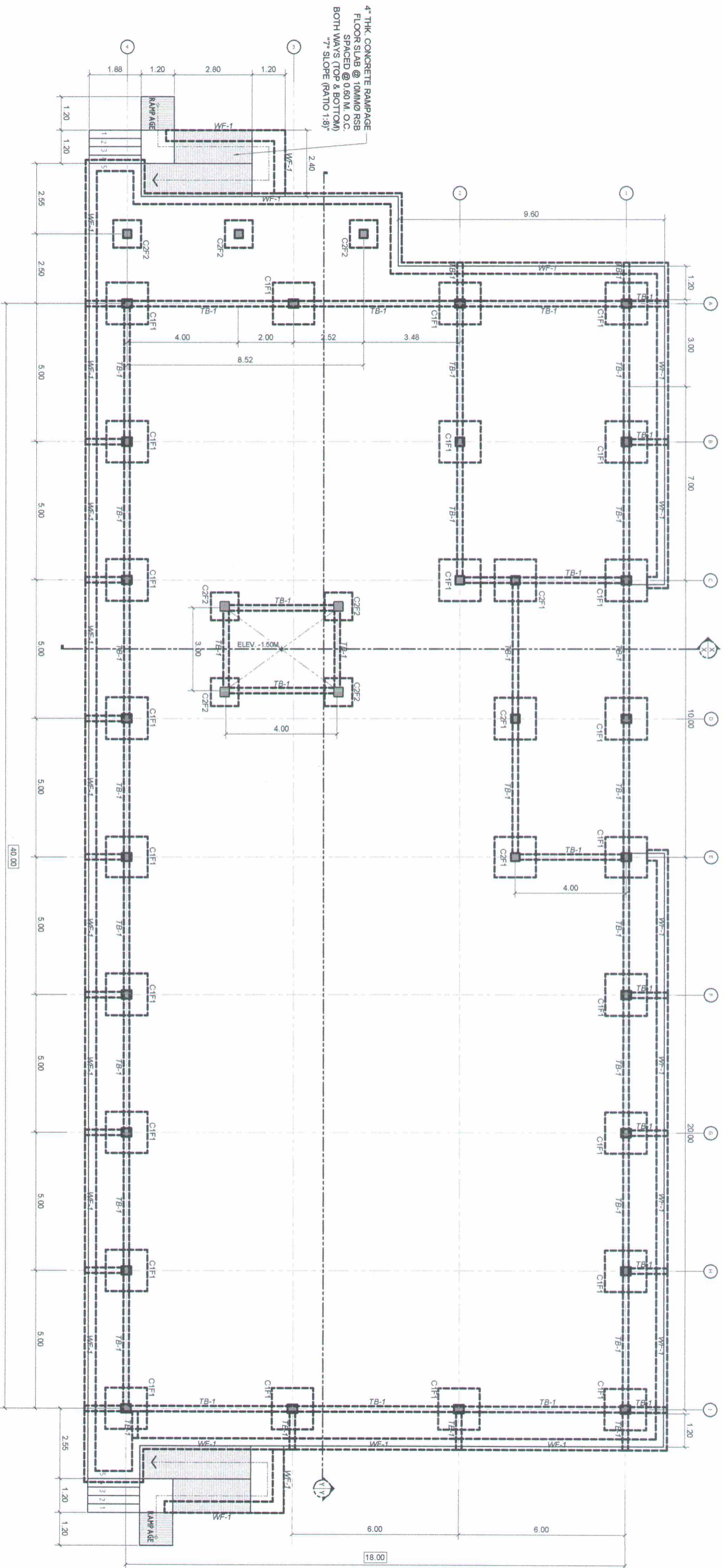
CONSTRUCTION OF RPC-III
(Rice Processing Center)
BRGY. CAUSIP, BULA, CAMARINES SUR
GAA - 2023
AS SHOWN ABOVE

CAD by: CHESTER
DATE: 4-28-23
Sheet No. 7

Location: BRGY. CAUSIP, BULA, CAMARINES SUR
Source of fund: GAA - 2023
Sheet Contents: AS SHOWN ABOVE



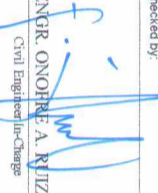
Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:
CHESTER B. BOTOR CAD & DESIGN	ENGR. ONORPE A. RUIZ JR. Civil Engineer-In-Charge	ENGR. LUIS TORIL BALTAZAR OIC EPPSS HEAD	ENGR. GILBERT SALCEDO OIC Field RAED	LUIZ R. MARCELIANO RTD, For Operation	RODEL P. DOMINILLA MABE Regional Executive Director	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE
CAD BY:	DATE:	Location:	Source of fund:	Sheet No.:	Sheet Contents:	
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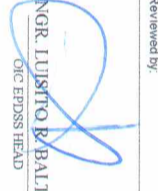


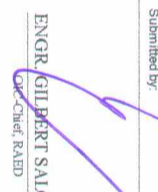
FOUNDATION LAYOUT
SCALE: 1:1000 NTC

Prepared by:

 CHESTER B. BOTOR
 Civil Engineer


Checked by:

 ENGR. ONOFRE A. RULIZ JR.
 Civil Engineer in-Charge

Reviewed by:

 ENGR. LUJANTO B. BALTAZAR
 OIC-EPDSS HEAD

Submitted by:

 ENGR. GILBERT SALCEDO
 Chief RAED

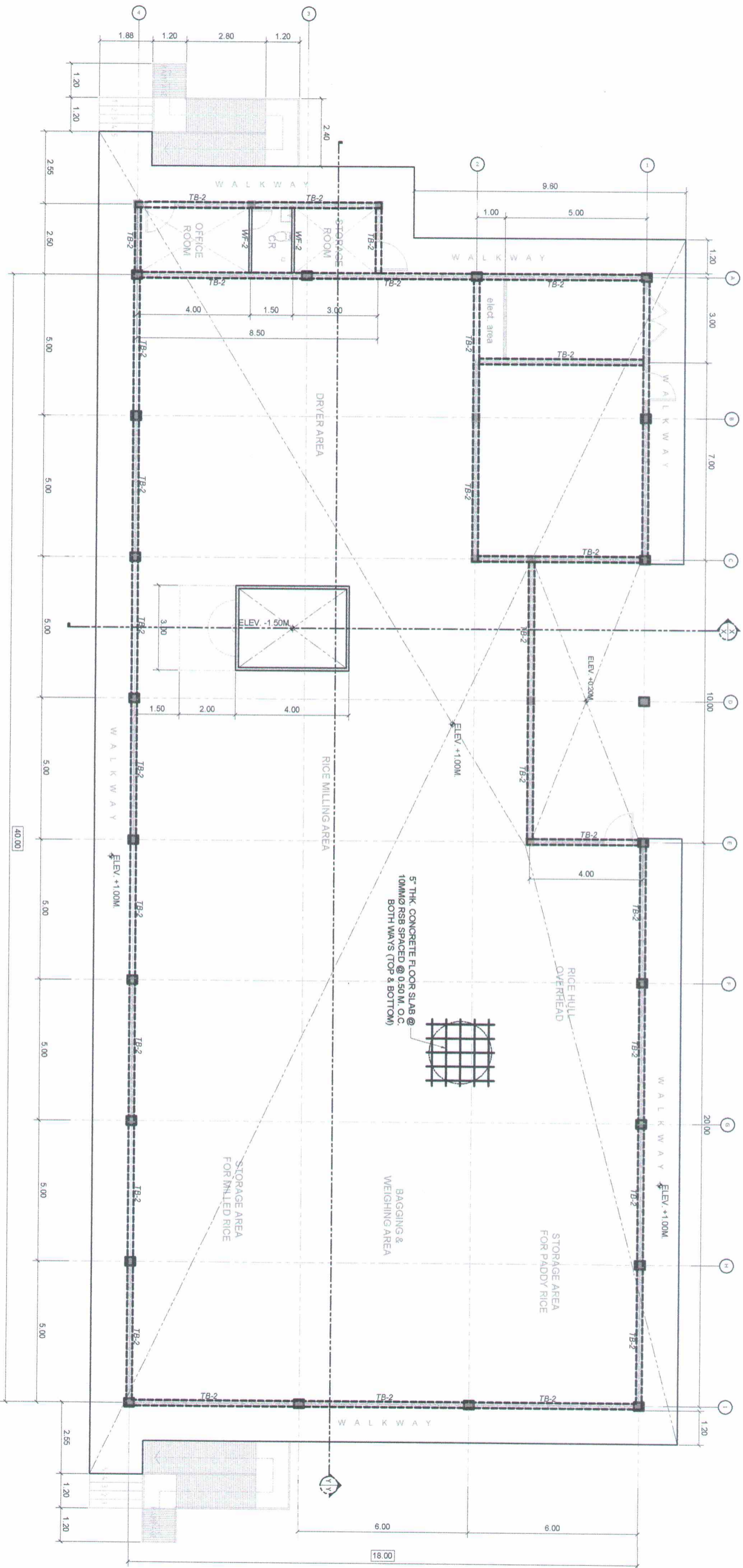
Recommending Approval:

 LUZ R. MARCOLINO
 RTD for Operation

Approved by:

 RODELL B. TORRELL
 Regional Executive Officer

Name of Project:
CONSTRUCTION OF RPC-III
 (Rice Processing Center)
 BRGY. CAUSIP, BULA, CAMARINES SUR
 GAA - 2023
 AS SHOWN ABOVE

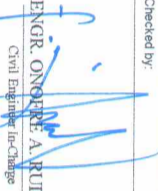
CAD by: OHS/TER
 DATE: 4-28-23
 Sheet No.:



ELEVATED FLOOR BEAM LAYOUT
SCALE 1:100

Prepared by:

CHESTER B. POTOR
 CAD & DESIGN

Checked by:

ENGR. ONOFRE A. RUIZ JR.
 Civil Engineer-in-Charge

Reviewed by:

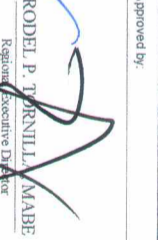
ENGR. JUSTINO R. BALTAZAR
 OIC EPDSS HEAD

Submitted by:

ENGR. GILBERT SALCEDO
 OIC-Chief, RAED

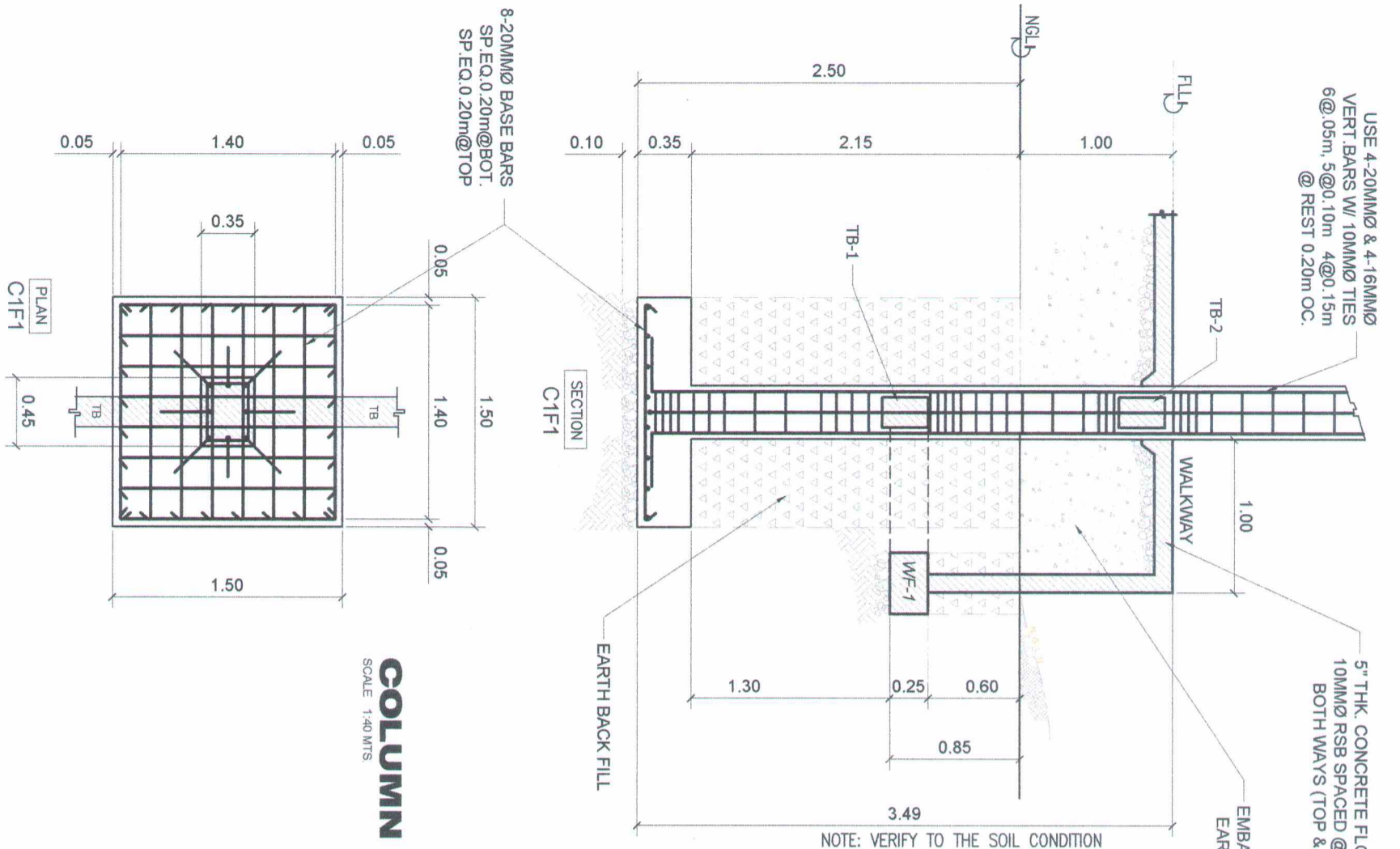
Recommending Approval:

LUZ R. MARCELINO
 RTD, for Operation

Approved by:

RODELL P. TERRONILLA
 Regional Executive Director

Name of Project:
CONSTRUCTION OF RPC-III
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 Source of fund:
GAA - 2023
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AS SHOWN ABOVE

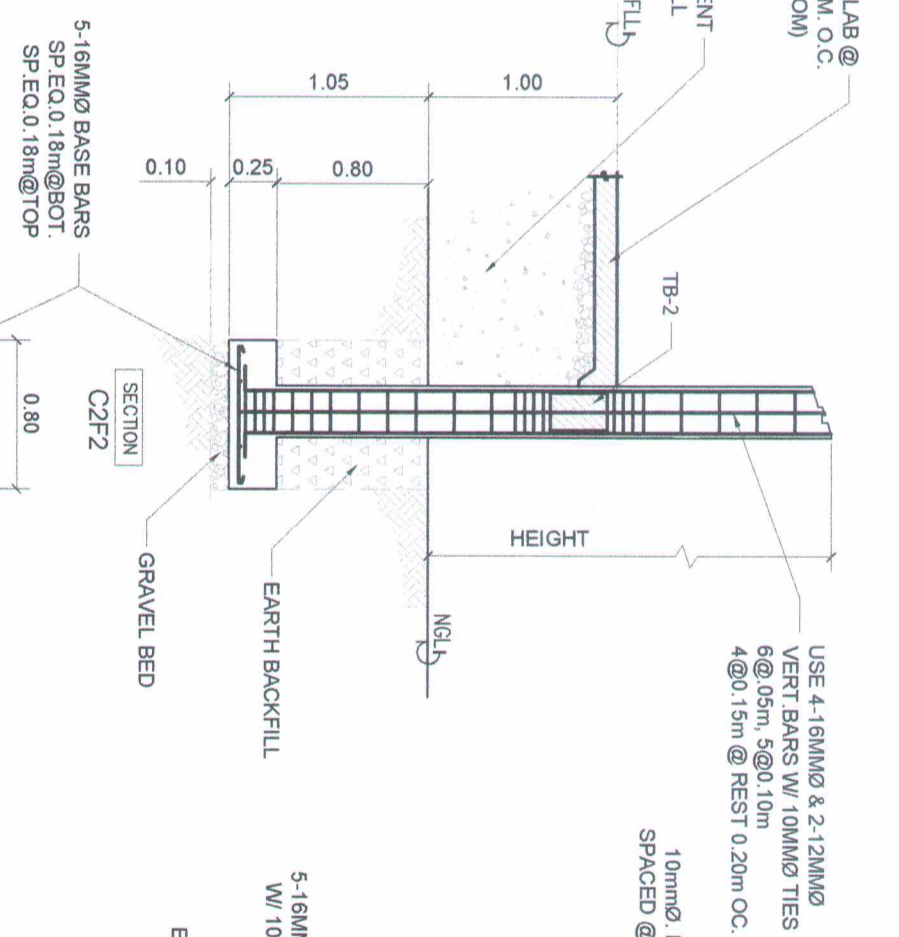
CAD by:
CHESTER
 DATE:
4-28-23
 Sheet No.:

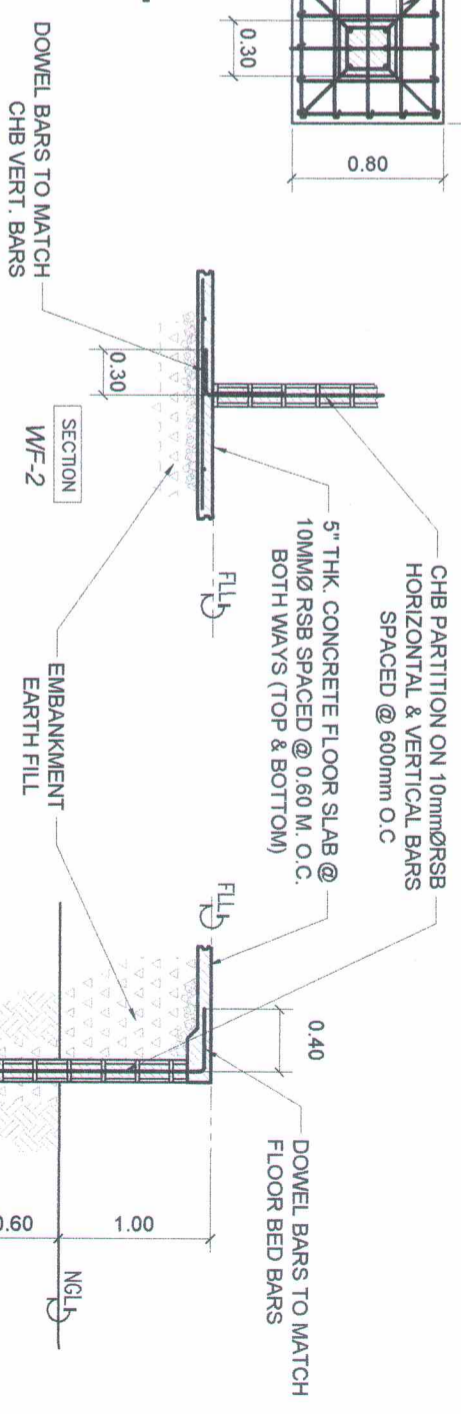
COLUMN FOOTING DETAIL
SCALE 1:40 MTS



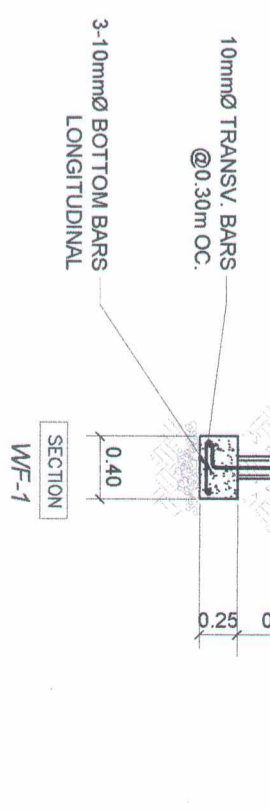
NOTE: VERIFY TO THE SOIL CONDITION



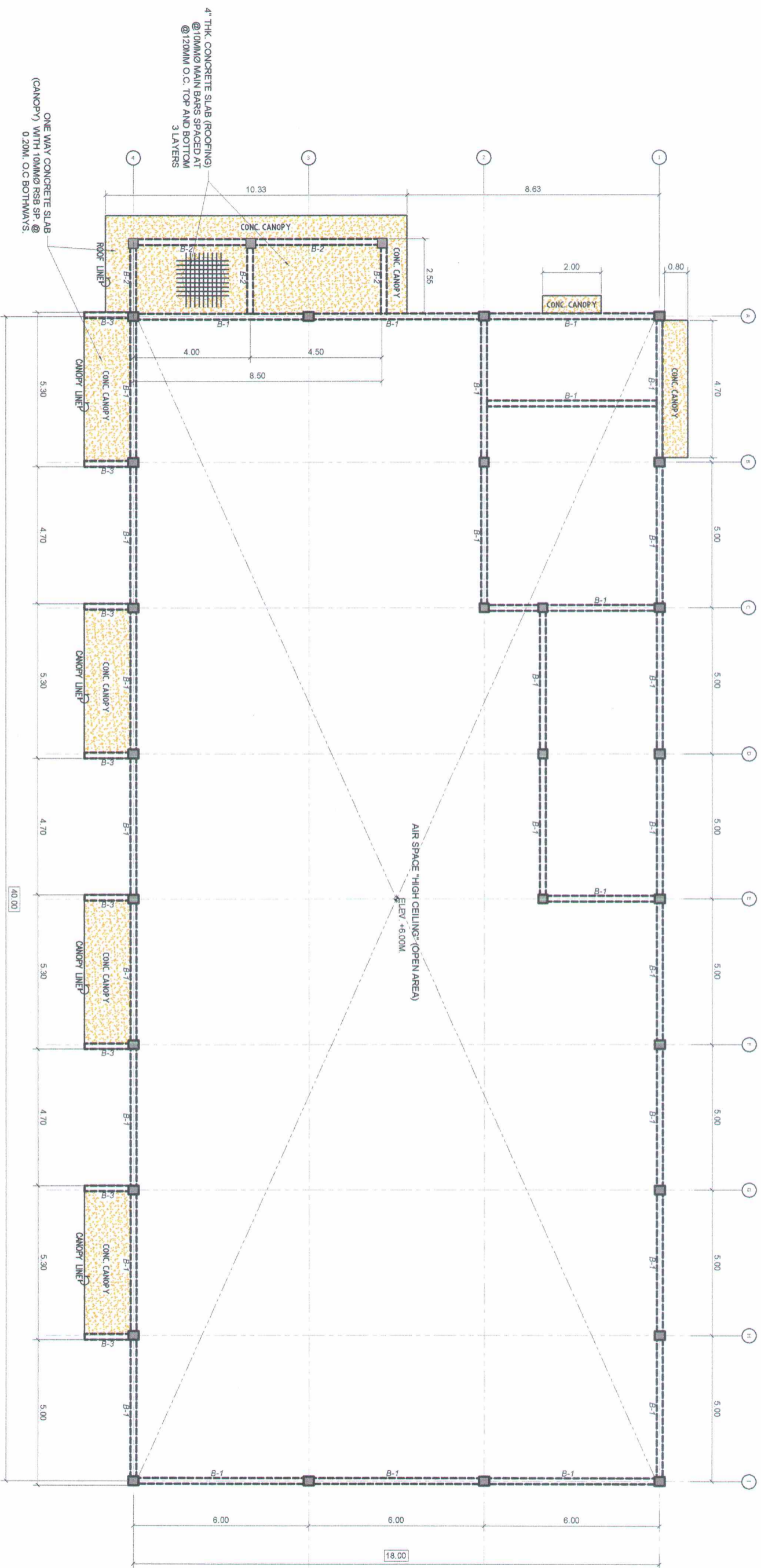
TIE BEAM DETAIL
SCALE 1:30 MTS



WALL FOOTING DETAIL
SCALE 1:30 MTS



Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:
CHRISTOPHER B. JOTOR (D.O. & DESIGN)	ENGR. ONOHERA, RUIZ JR. (Civil Engineer in-Charge)	ENGR. LUIS TORALBA BALTAZAR (OIC-EPDSS HEAD)	ENGR. GILBERT SALCEDO (OIC-Client, RAAD)	LIZ R. MARCELINO (RTD, for Operation)	RODEL TORNELL, MAIBE (Regional Executive Director)	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE

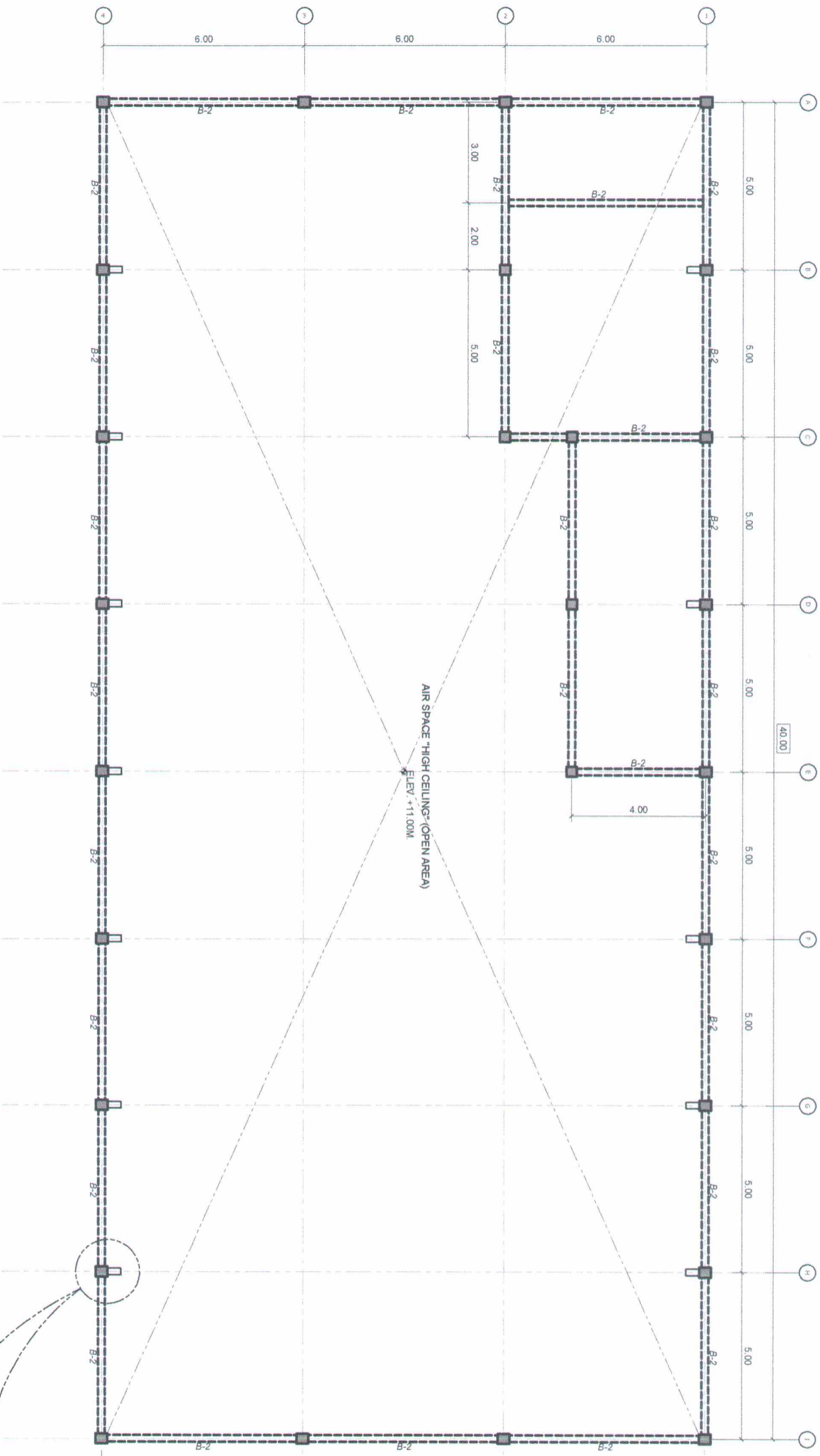


LOWER BEAM FRAMING LAYOUT
SCALE: 1:100 MTR.

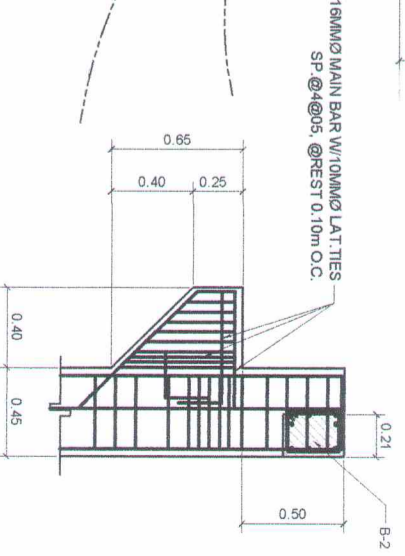
4" THK. CONCRETE SLAB (ROOFING)
@ 10MM @ MAIN BARS SPACED AT
@ 120MM O.C. TOP AND BOTTOM
3 LAYERS

ONE WAY CONCRETE SLAB
(CANOPY) WITH 10MM @ RSB SP. @
0.20M O.C BOTHWAYS.

Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
 CESAR B. BORJA C.A. & DESIGN	 ENGR. ONOFRE A. RUIZ JR. Civil Engineer in-Charge	 ENGR. LUISITO B. BALTAZAR OIC-EPDSS HEAD	 ENGR. GILBERT SALCEDO OIC-Chief, RAAD	 LJR MARCELINO RTTD, for Operations	 RODEL PITORVIL Regional Executive Director	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE	ONE SIER DATE: 4-20-23 Sheet No.:



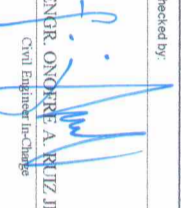
UPPER BEAM FRAMING LAYOUT
SCALE 1:100 (HRS)





CORBEL BEAM DETAIL
SCALE AS SHOWN

Prepared by:

 CHESTER B. MOTOR
 LAD & DESIGNER

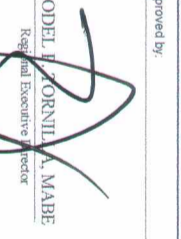
Checked by:

 ENGR. ONOFRE A. RUIZ JR.
 Civil Engineer-In-Charge

Reviewed by:

 ENGR. LUIS P. BALTAZAR
 OIC-EPDSS HEAD

Submitted by:

 ENGR. GILBERT SALCEDO
 OIC-Chief, RAED

Recommending Approval:

 LT. COL. R. MARCELINO
 RTD, for Operation

Approved by:

 RODELL P. CORNILLA, MABE
 Regional Executive Director

Name of Project:
CONSTRUCTION OF RPC-III
 (Rice Processing Center)
 BRGY. CAUSIP, BULA, CAMARINES SUR
 GAA - 2023

Location:
 BRGY. CAUSIP, BULA, CAMARINES SUR

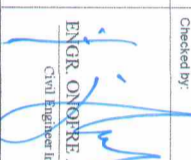
Source of fund:
 GAA - 2023

Sheet Contents:
 AS SHOWN ABOVE

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 CHECKED BY: _____
 DATE: 4-28-23
 SHEET NO.: _____

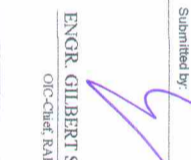
Prepared by:

 CHESTER B. ROTOR
 CAD & DESIGNER

Checked by:

 ENGR. ONOFRE A. RUIZ JR.
 Civil Engineer In-Charge

Reviewed by:

 ENGR. LUJANO B. BALTAZAR
 OIC-EPDSS HEAD

Submitted by:

 ENGR. GILBERT SAUCEDO
 OIC-Chief RAED

Recommending Approval:

 LT. R. MARDIANO
 RTD, for Operation

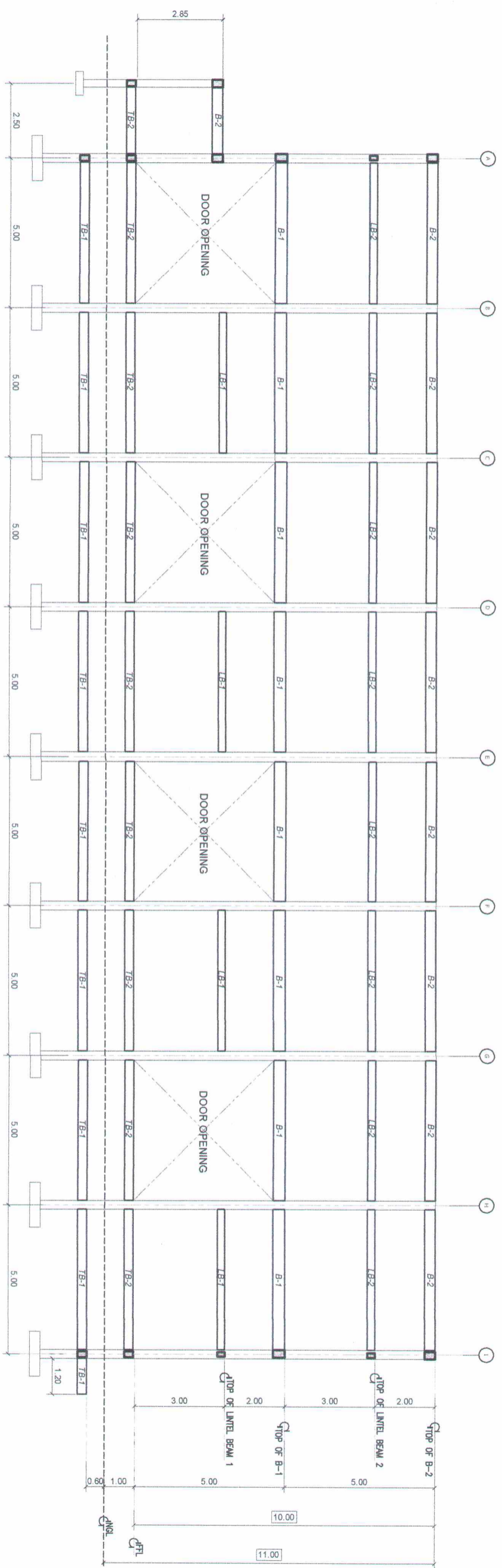
Approved by:

 RODOL J. TORRALBA, MAJE
 Regional Executive Director

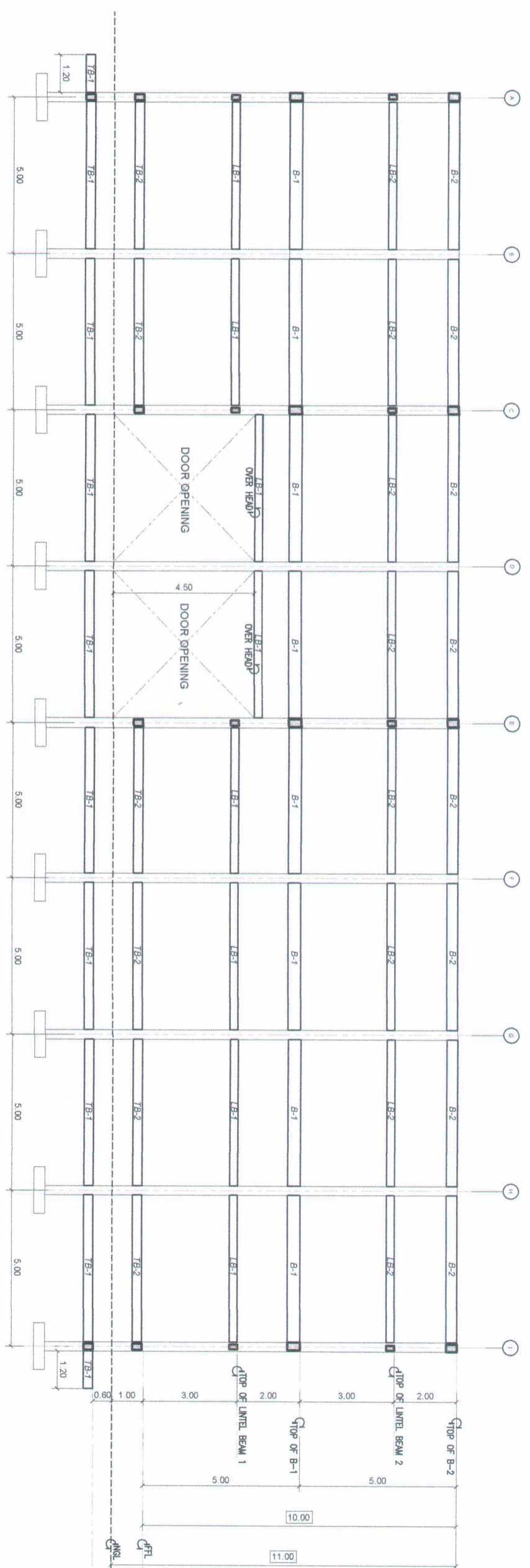
Name of Project:
CONSTRUCTION OF RPC-III
 (Rice Processing Center)
 BRGY. CAUSIP, BULA, CAMARINES SUR
 GAA - 2023
 AS SHOWN ABOVE

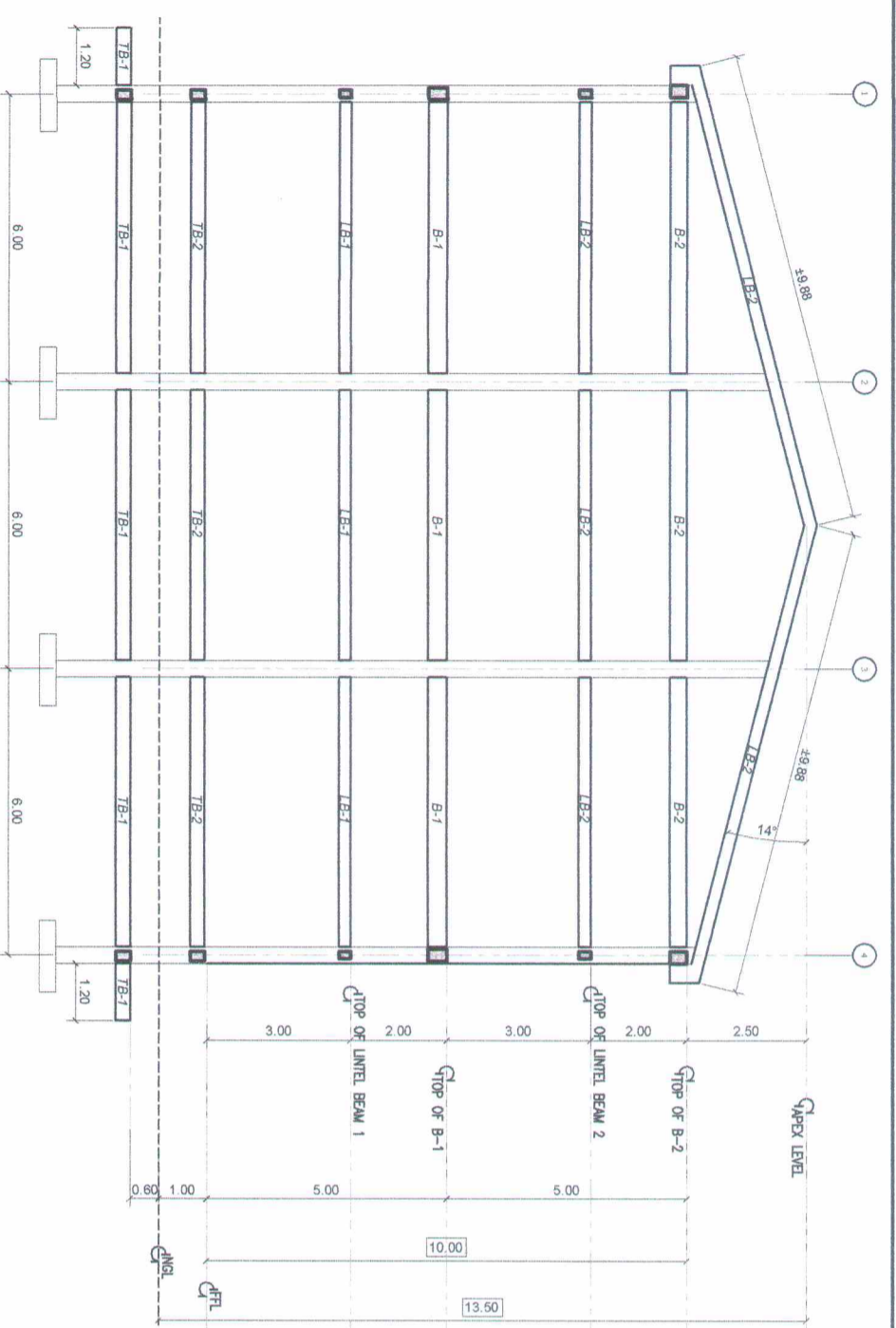
CAD by:
 CHESTER
 DATE:
 4-28-23
 Sheet No.:

ELEVATION BEAM FRAMING LAYOUT (THRU GRID - 4)
 SCALE: 1:100 (M/S)

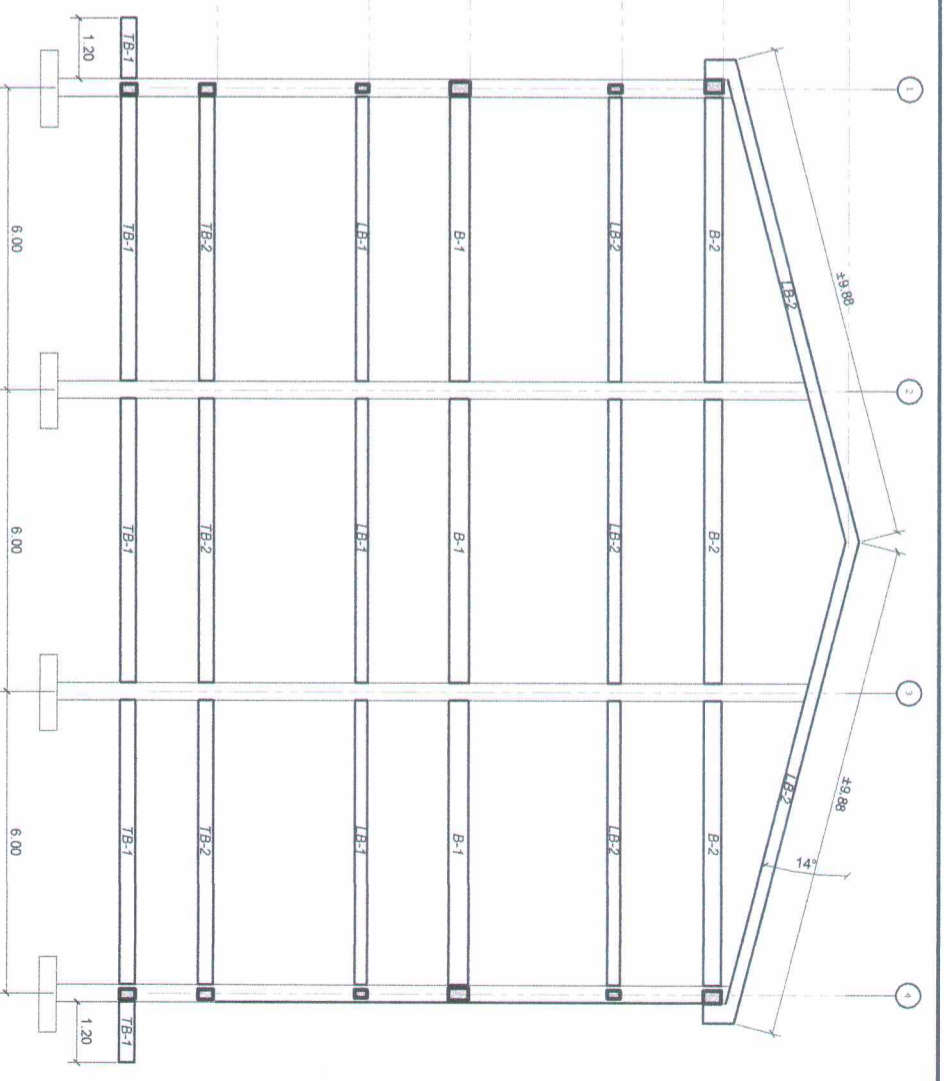


ELEVATION BEAM FRAMING LAYOUT (THRU GRID - 1)
 SCALE: 1:100 (M/S)

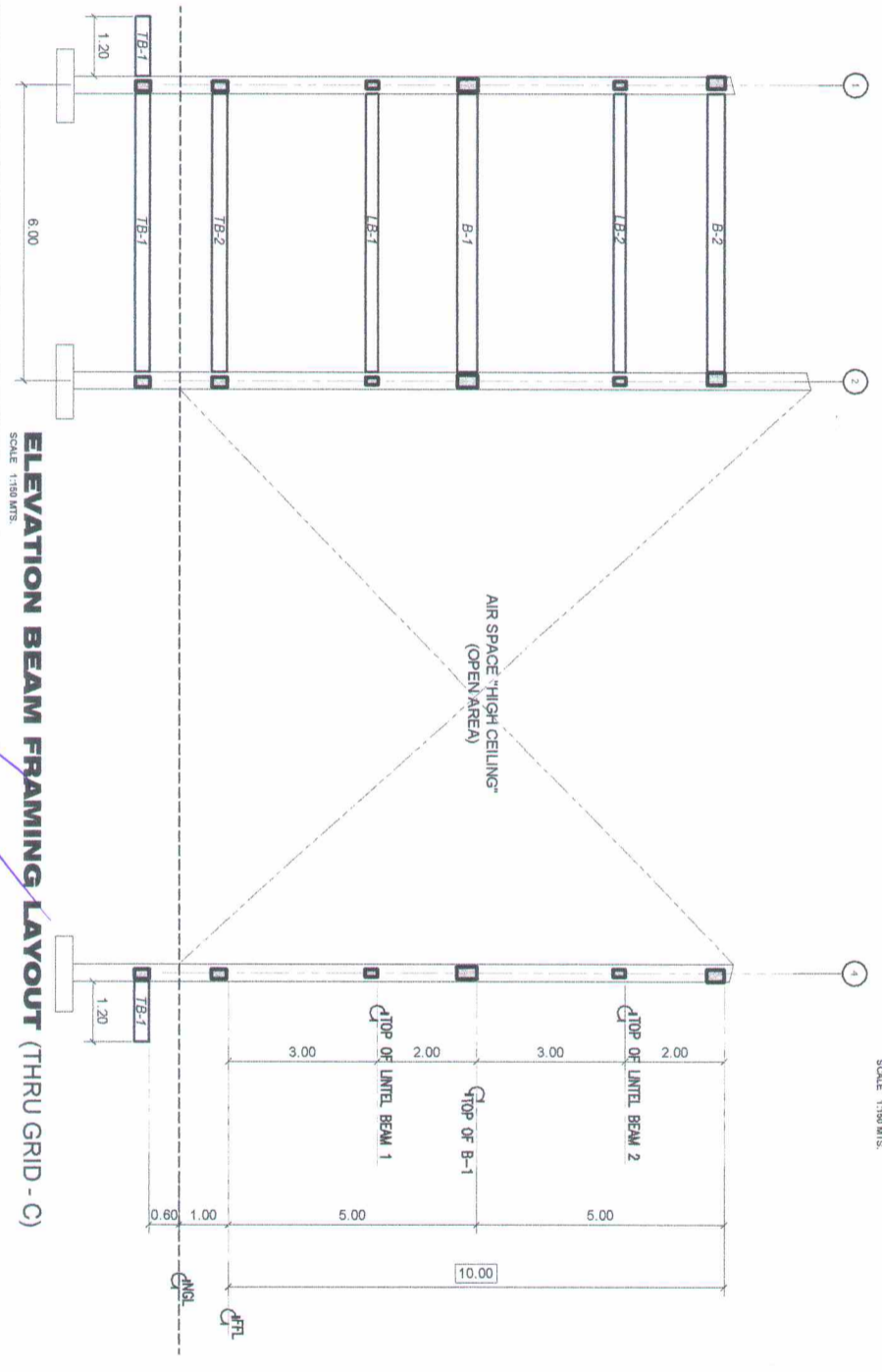




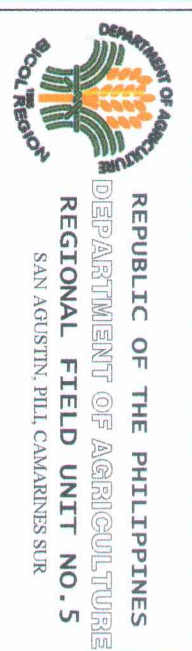
ELEVATION BEAM FRAMING LAYOUT (THRU GRID - A)
SCALE 1:150 MTS



ELEVATION BEAM FRAMING LAYOUT (THRU GRID - I)
SCALE 1:150 MTS

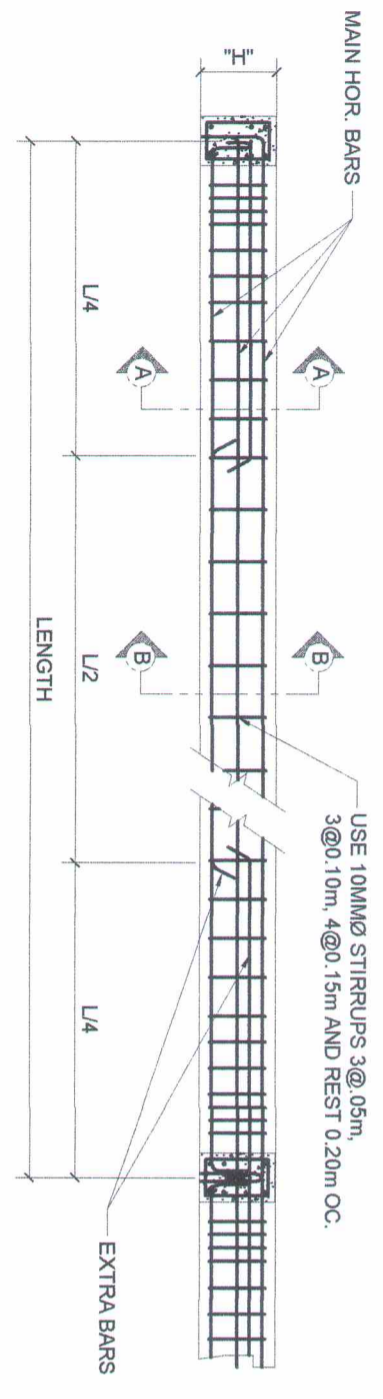
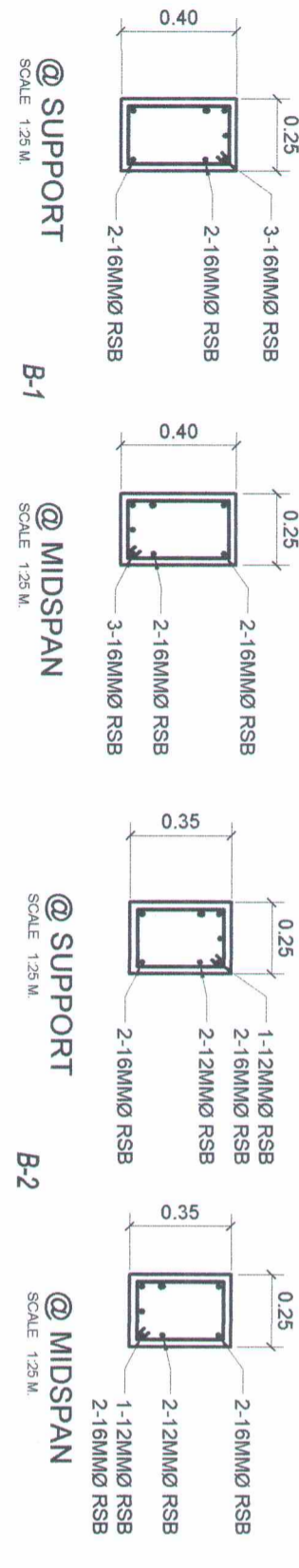
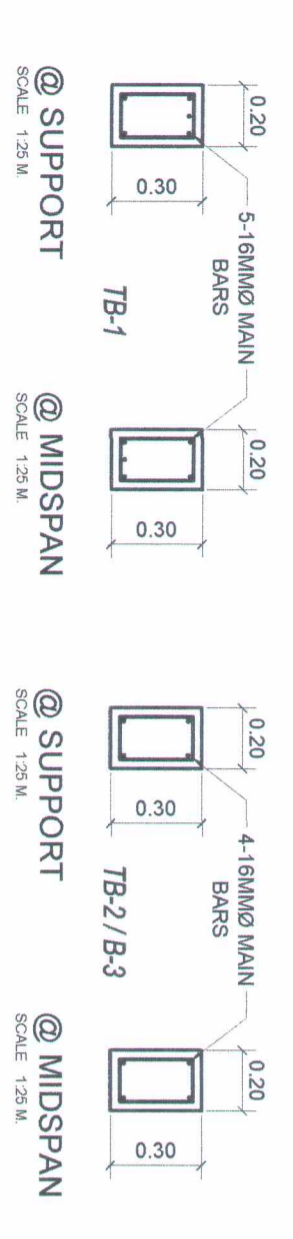


ELEVATION BEAM FRAMING LAYOUT (THRU GRID - C)
SCALE 1:150 MTS



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO. 5
SAN AGUSTIN, PILI, CAMARINES SUR

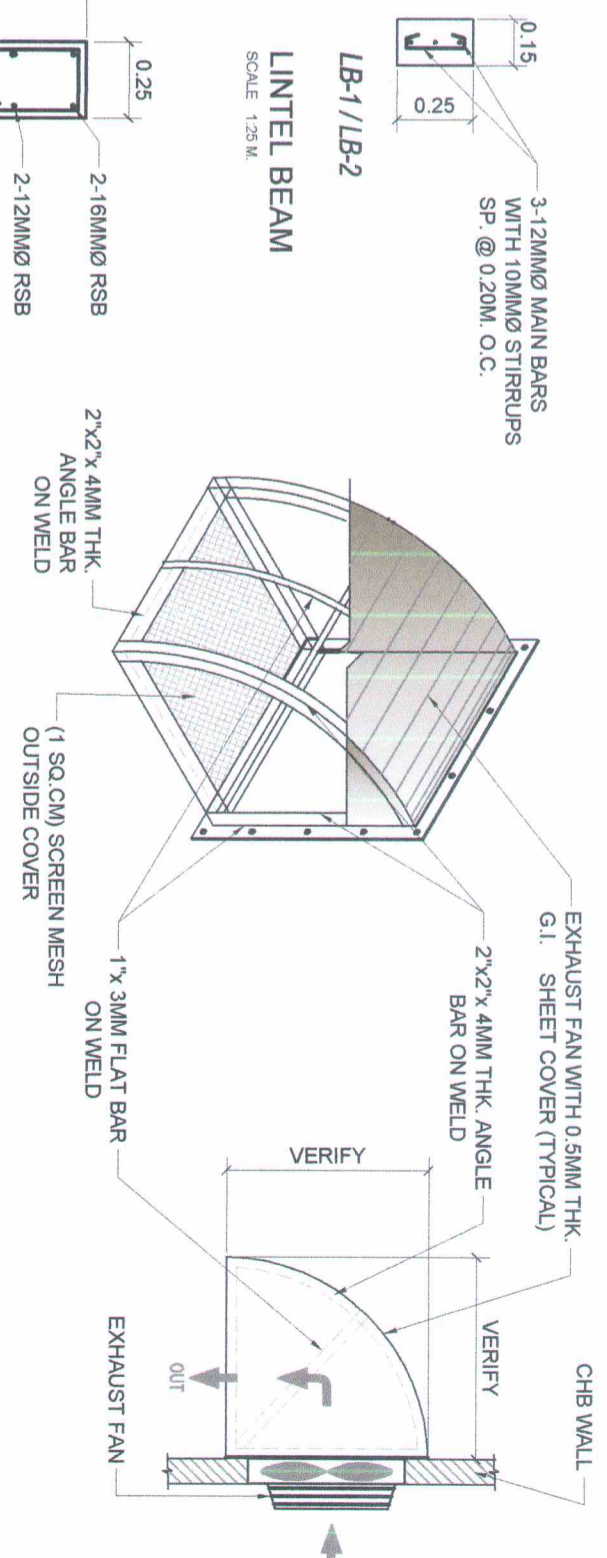
Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:
CHESTER B. POTOR CAD/CADD DESIGNER	ENGR. ONDARR A. RUIZ JR. Civil Engineer-in-Charge	ENGR. LUISITO B. BALTAZAR OIC-EPDSS HEAD	ENGR. GILBERT SAUCEDO OIC-Chief RAID	LIZ R. MARREMO RTD for Operation	RODEL P. TERNILLAN Regional Executive Director	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BUDA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE
DATE: 4-28-23						SHEET No. 7



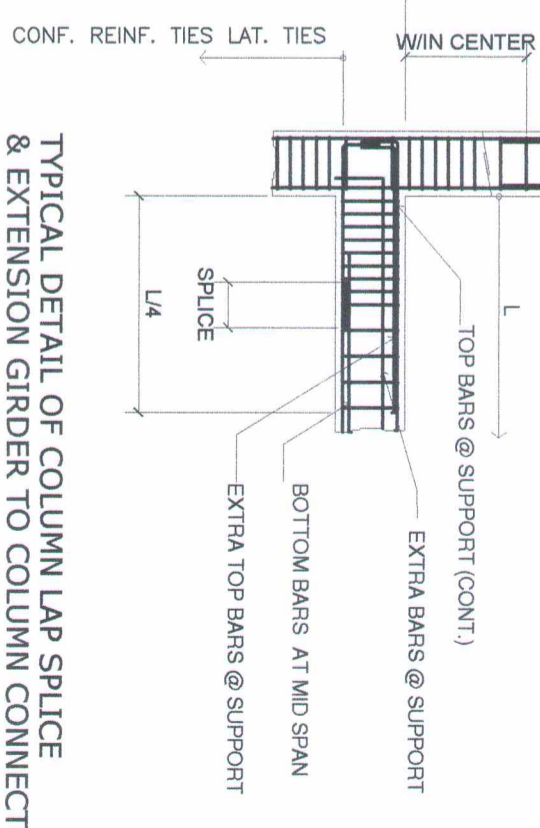
TYPICAL CONCRETE BEAM DETAIL
SCALE 1:30 MTS

CONCRETE BEAM SCHEDULE
SCALE AS SHOWN

DETAIL OF EXHAUST FAN COVER
SCALE 1:30 MTS



LAP SPLICE LENGTH: AT ANY LEVEL, NO MORE THAN ALTERNATE BARS SHOULD BE SPLICED. MIN. DISTANCE BET. TWO ADJACENT BARS SPLICES SHALL BE 600mm.



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DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO. 5
SAN AGUSTIN, P.I.L., CAMARINES SUR

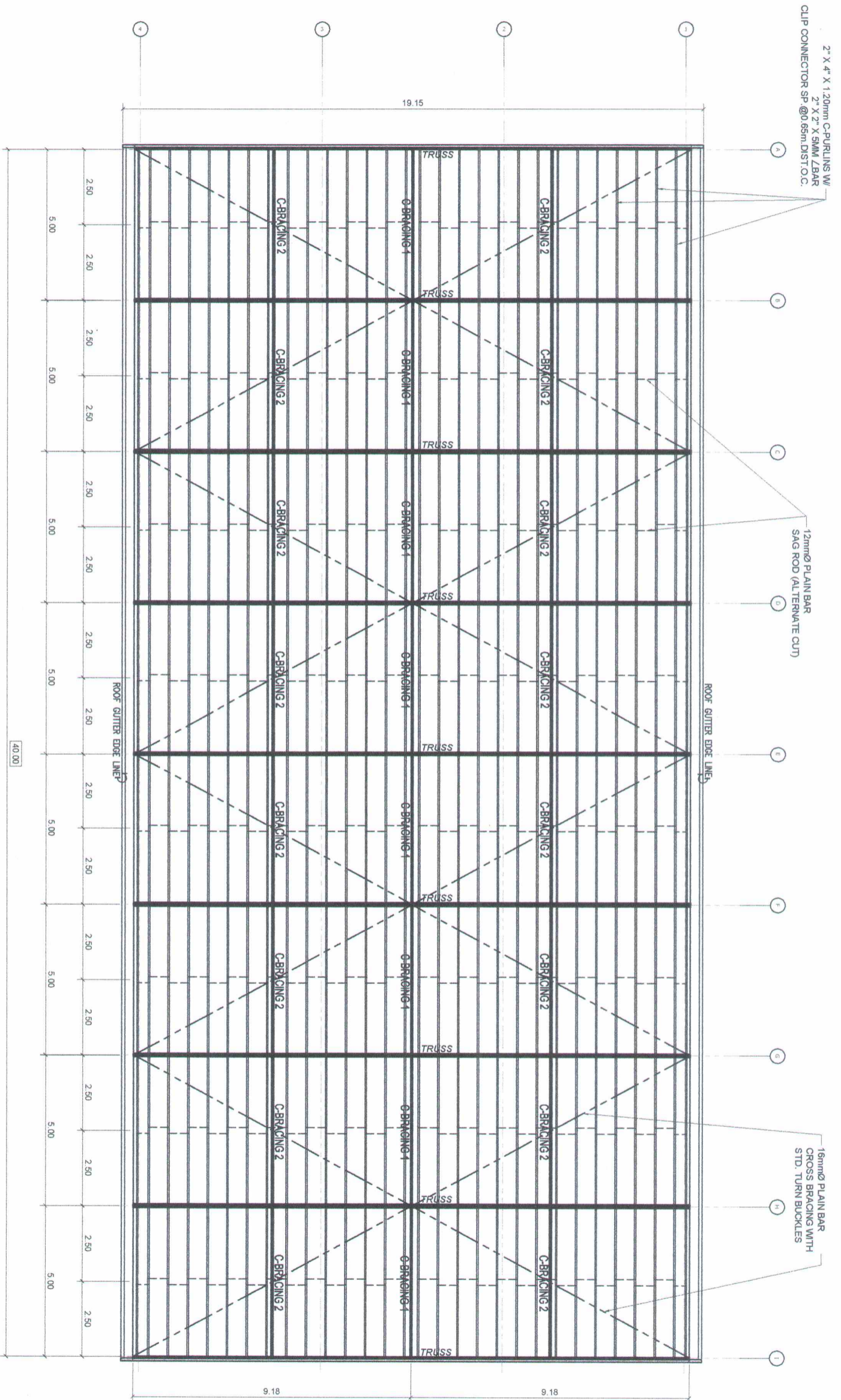
Prepared by: *[Signature]*
Checked by: *[Signature]*
Reviewed by: *[Signature]*
Submitted by: *[Signature]*
Recommending Approval: *[Signature]*
Approved by: *[Signature]*

ENGR. CHRISTOPHER B. BOTOR
ENGR. ENOQUE A. RUIZ JR.
ENGR. LOUISITO R. BALTAZAR
ENGR. ROBERT SALCEDO
LIZ M. MARULLINO
RODEL P. TORRILLO, MARE


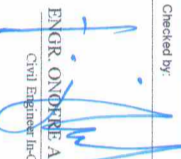

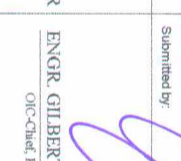
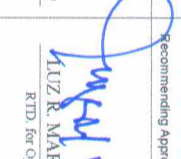
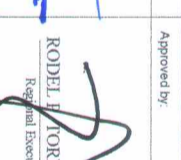
Civil Engineer In-Charge
Civil Engineer In-Charge
OIC-EPDSS HEAD
OIC-Chief RAED
RTD, for Operations
Regional Executive Director

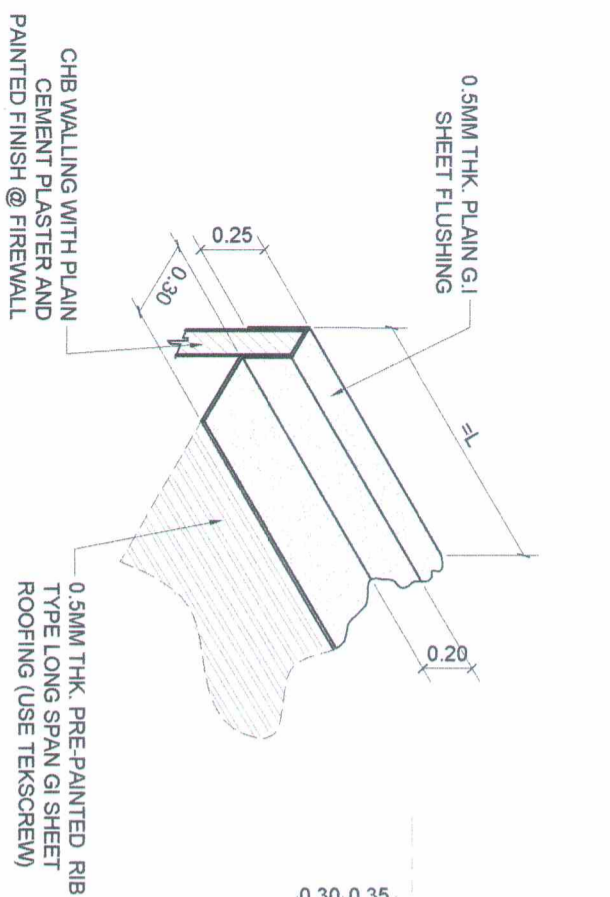
Location: BRGY. CAUSIP, BULA, CAMARINES SUR
Source of fund: GAA - 2023
Sheet Contents: AS SHOWN ABOVE

NAME OF PROJECT: CONSTRUCTION OF RPC-III (Rice Processing Center)
DATE: 4-28-23
SHEET NO.:

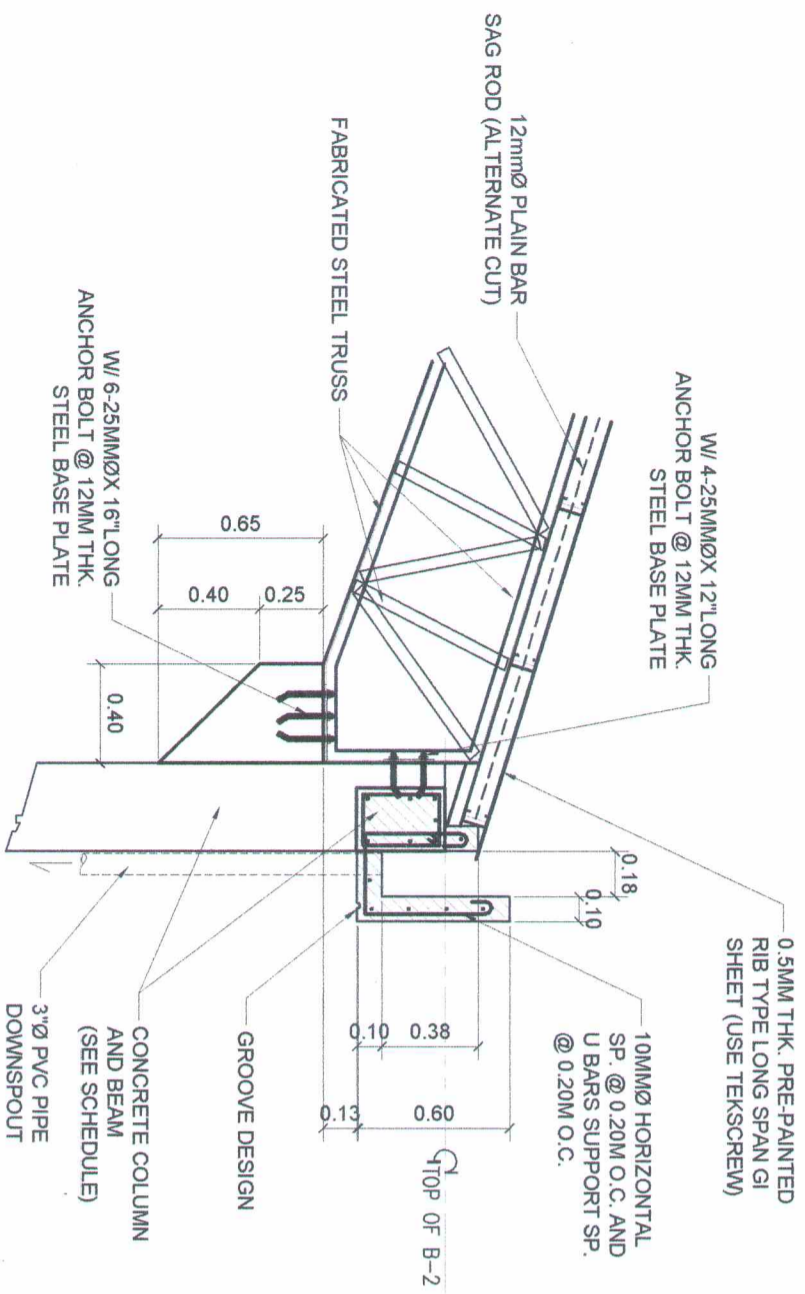
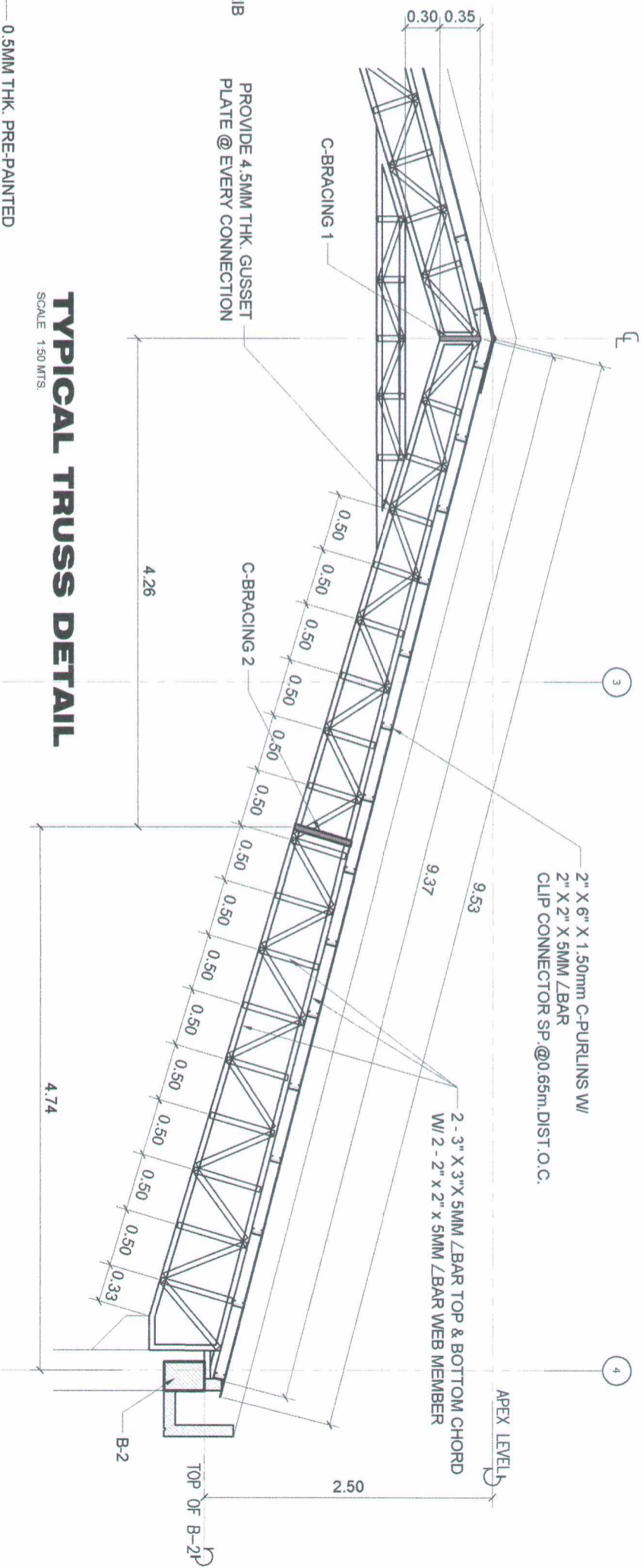


ROOF FRAMING LAYOUT
SCALE: 1:100 MTS.

Prepared by:  CHESTER B. MOTOR CAD DESIGN	Checked by:  ENGR. ONOFRE A. RUIZ JR. Civil Engineer-in-Charge	Reviewed by:  ENGR. LUJITO A. BALTAZAR OIC-EPDSS HEAD	Submitted by:  ENGR. GILBERT SALCEDO OIC-Client, RAED	Recommending Approval:  RITZ R. MARCELLINO RTD, for Operation	Approved by:  RODELL J. TORRALBA, MABE Regional Executive Director	Name of Project: CONSTRUCTION OF RPC-III (Rice Processing Center) Location: BRGY. CAUSIP, BULA, CAMARINES SUR Source of fund: GAA - 2023 AS SHOWN ABOVE	CAD by: DHESTER DATE: 4-28-23 Sheet No.:
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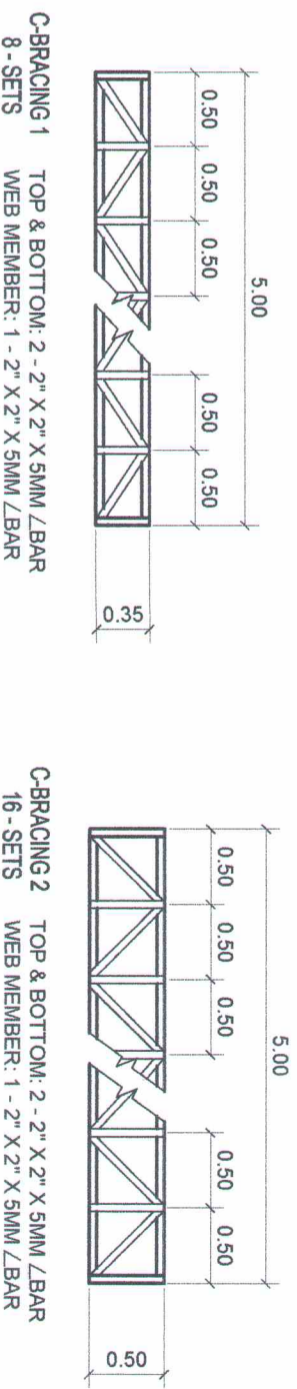


TYPICAL TRUSS DETAIL
SCALE 1:50 MTS



BLOW-UP GUTTER DETAIL
SCALE 1:30 MTS

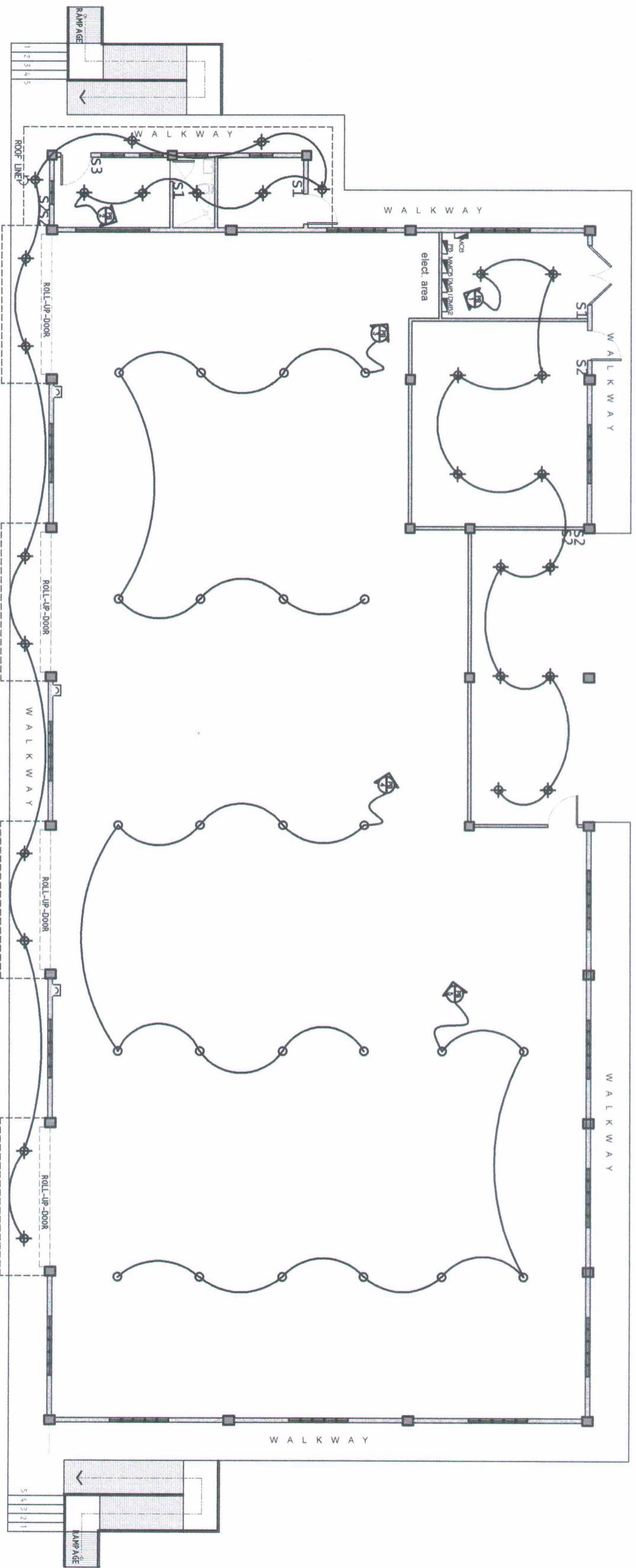
STRUT & CROSS BRACING DETAIL
SCALE 1:50 MTS




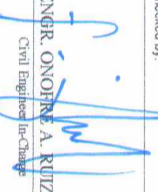
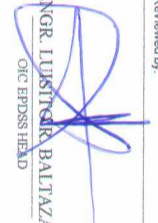
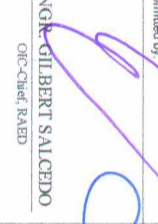
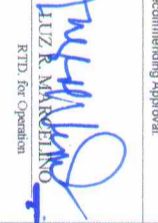
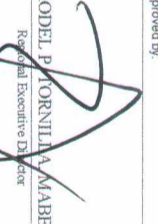
STRUT
9-SETS
TOP & BOTTOM: 2 - 2" X 2" X 5MM L/BAR
WEB MEMBER: 1 - 2" X 2" X 5MM L/BAR

C-BRACING 2
16-SETS
TOP & BOTTOM: 2 - 2" X 2" X 5MM L/BAR
WEB MEMBER: 1 - 2" X 2" X 5MM L/BAR

Prepared by:  CHESTER B. BOROR CAD & DESIGN	Checked by:  ENGR. ONOPRD A. RUTZ JR. Civil Engineer-In-Charge	Reviewed by:  ENGR. LUJISTO R. BALTAZAR OIC-EPDSS HEAD	Submitted by:  ENGR. GILBERT SALCEDO OIC-Chief, RAED	Recommending Approval:  LUTZ R. MARCELINO RTD, for Operations	Approved by:  RODELL P. MORVILLAL, MABE Regional Executive Director	Name of Project: CONSTRUCTION OF RPC-III (Rice Processing Center) Location: BRGY. CAUSIP, BULA, CAMARINES SUR Source of fund: GAA - 2023 Sheet Contents: AS SHOWN ABOVE
CAD BY: OHS/STR	DATE: 4-28-23	SHEET NO.:				



LIGHTING LAYOUT
SCALE: 1:100 MTS.

Prepared by:	Checked by:	Reviewed by:	Submitted by:	Recommending Approval:	Approved by:	Name of Project:	CAD by:
 JONATHAN SARMIENTO CAD & DESIGN	 ENGR. ONOFRE A. RUIZ JR. Civil Engineer In-Chief	 ENGR. JUSTINE BALTAZAR OIC-EPDSS HEAD	 ENGR. GILBERT SALCEDO OIC-Chief, RABD	 LUZ R. M. ROLLANO RTD, for Operation	 RODELL P. TORNILA Regional Executive Director	CONSTRUCTION OF RPC-III (Rice Processing Center) BRGY. CAUSIP, BULA, CAMARINES SUR GAA - 2023 AS SHOWN ABOVE	TAIN DATE: 4-28-23 Sheet No.: E

SCHEDULE OF LOADS (PB)

PKT. NO	DESCRIPTION	QTY.	NUMBER OF			VOLTS	VA	AMP	WIRE SIZE	CONDUIT	CIRCUIT BREAKER
			S1	S2	S3						
1	LIGHTING OUTLET	14	1	3		230	700	3.04	20mm ϕ uPVC pipe	15A T, 2P	
2	LIGHTING OUTLET	16	2	2	1	230	800	3.48	20mm ϕ uPVC pipe	15A T, 2P	
3	100W - LED HIGHBAY LIGHT	8				230	800	3.48	20mm ϕ uPVC pipe	20A T, 2P	
4	100W - LED HIGHBAY LIGHT	8				230	800	3.48	20mm ϕ uPVC pipe	20A T, 2P	
5	100W - LED HIGHBAY LIGHT	8				230	800	3.48	20mm ϕ uPVC pipe	20A T, 2P	
6	CONVENIENCE OUTLET	9				230	1620	7.04	20mm ϕ uPVC pipe	20A T, 2P	
7	EXHAUST FAN	1				230	1840	8.00	20mm ϕ uPVC pipe	20A T, 2P	
8	EXHAUST FAN	1				230	1840	8.00	20mm ϕ uPVC pipe	20A T, 2P	
9	SPARE	1				230				20A T, 2P	
10	SPARE	1				230				30A T, 2P	
	TOTAL	67	3	5	1	230	9200	40.00			

LOAD COMPUTATION

FOR PB (single phase):

SIZE OF FEEDER CONDUCTOR

$I_w = \frac{9200VA}{230V} = 40A$
 USE 2-14 MM² THHN CU. WIRE Φ
 1-5.5 MM² THHN CU. WIRE (GROUND)
 IN 25MM ϕ RSC

CIRCUIT BREAKER RATING

$I_{cb} = 40$ AMPS
 USE 60 AT, 2P, 240V BOLT ON ITD CB

FOR DMB1 (single phase):

SIZE OF FEEDER CONDUCTOR

$I_w = \frac{25250VA}{230V} = 110A$
 USE 2-38 MM² THHN CU. WIRE Φ
 1-22 MM² THHN CU. WIRE (GROUND)
 IN 32MM ϕ RSC

CIRCUIT BREAKER RATING

$I_{cb} = 110$ AMPS
 USE 150 AT, 2P, 240V BOLT ON ITD CB

FOR DMB2 (single phase):

SIZE OF FEEDER CONDUCTOR

$I_w = \frac{25250VA}{230V} = 110A$
 USE 2-38 MM² THHN CU. WIRE Φ
 1-22 MM² THHN CU. WIRE (GROUND)
 IN 32MM ϕ RSC

CIRCUIT BREAKER RATING

$I_{cb} = 110$ AMPS
 USE 150 AT, 2P, 240V BOLT ON ITD CB

FOR MMCB (Three phase):

SIZE OF FEEDER CONDUCTOR

$I_w = \frac{829A + .25(140)}{1.73} = 864A$
 USE 3 SETS-150 MM² THHN CU. WIRE Φ
 1-38 MM² THHN CU. WIRE (GROUND)
 IN 90MM ϕ RSC

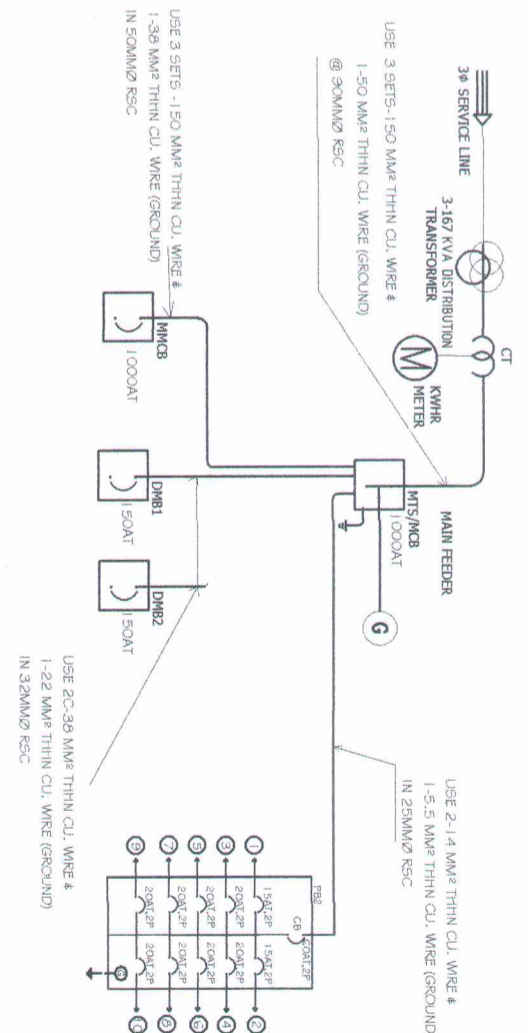
CIRCUIT BREAKER RATING

$I_{cb} = 864$ AMPS
 USE 1000 AT, 3P, 240V BOLT ON ITD CB

SPECIFICATION

1. THE ELECTRICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE APPLICABLE ORDINANCE OF THE LOCAL GOVERNMENT AND THE LOCAL POWER COMPANY.
2. WIRING SHALL BE INSTALLED IN RIGID STEEL CONDUIT AND PVC EMBEDDED IN CONCRETE SLAB FLOOR OR UNDERGROUND AND WALLS
3. EXPOSED WIRING SHALL BE PARALLEL OR PERPENDICULAR TO THE BUILDING LINE WITH APPROVED TYPE OF CONDUIT SUPPORT
4. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND OF THE APPROVED TYPE FOR THE PURPOSE LOCATION
5. ALL ELECTRICAL EQUIPMENT SUCH AS SAFETY DISCONNECT, PANEL BOARDS ETC. SHALL BE PROVIDED WITH GROUNDINGS
6. PROVIDE ADEQUATE GROUNDING FOR MOTOR FRAME
7. SERVICE ENTRANCE SHALL BE 3 ϕ , 230V, 60HZ
8. ALL ELECTRICAL WORK HEREIN SHALL BE SUPERVISED BY A DUTY LICENSED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN

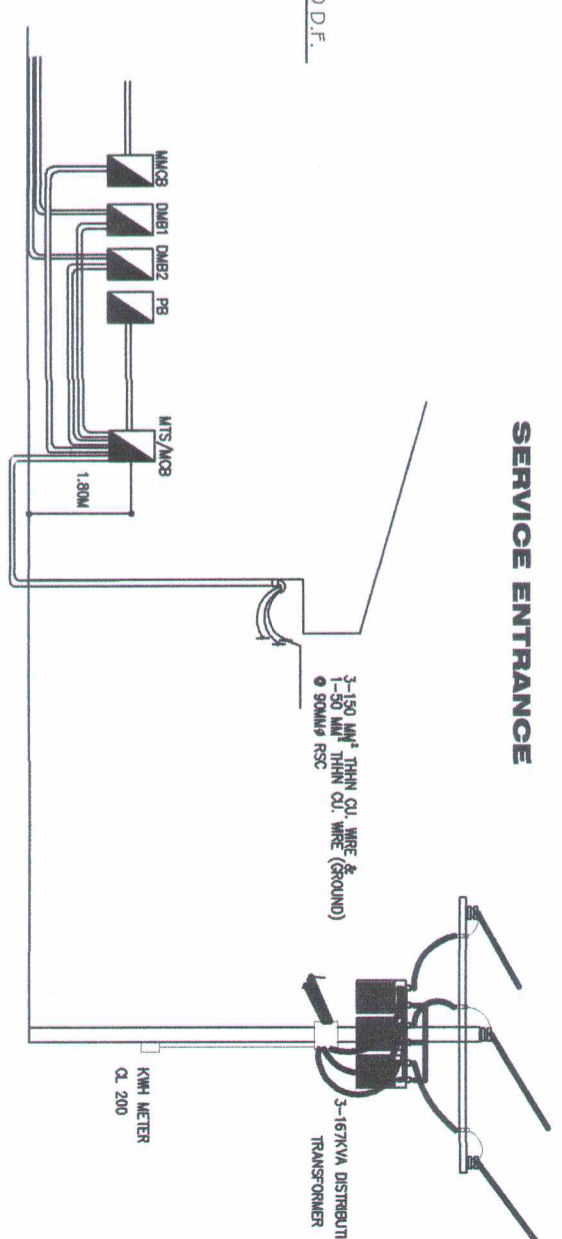
RISER DIAGRAM



LEGENDS

- CIRCUIT BREAKER
- PANEL BOARD
- DRYER MAIN CIRCUIT BREAKER
- MILL MAIN CIRCUIT BREAKER
- MAIN CIRCUIT BREAKER
- SERVICE ENTRANCE
- GROUND
- KWHR METER
- CIRCUIT HOMERUN
- CURRENT TRANSFORMER
- DUPLEX CONVENIENCE OUTLET
- LIGHTING OUTLET
- LED HIGH-BAY LIGHT
- ONE-GANG SINGLE WAY SWITCH
- TWO-GANG SINGLE WAY SWITCH
- THREE-GANG SINGLE WAY SWITCH
- EXHAUST FAN
- TRANSFORMER

SERVICE ENTRANCE



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO. 5
 SAN AGUSTIN, P.I.L, CAMARINES SUR

Prepared by:

Checked by:

Reviewed by:

Submitted by:

Recommending Approval:

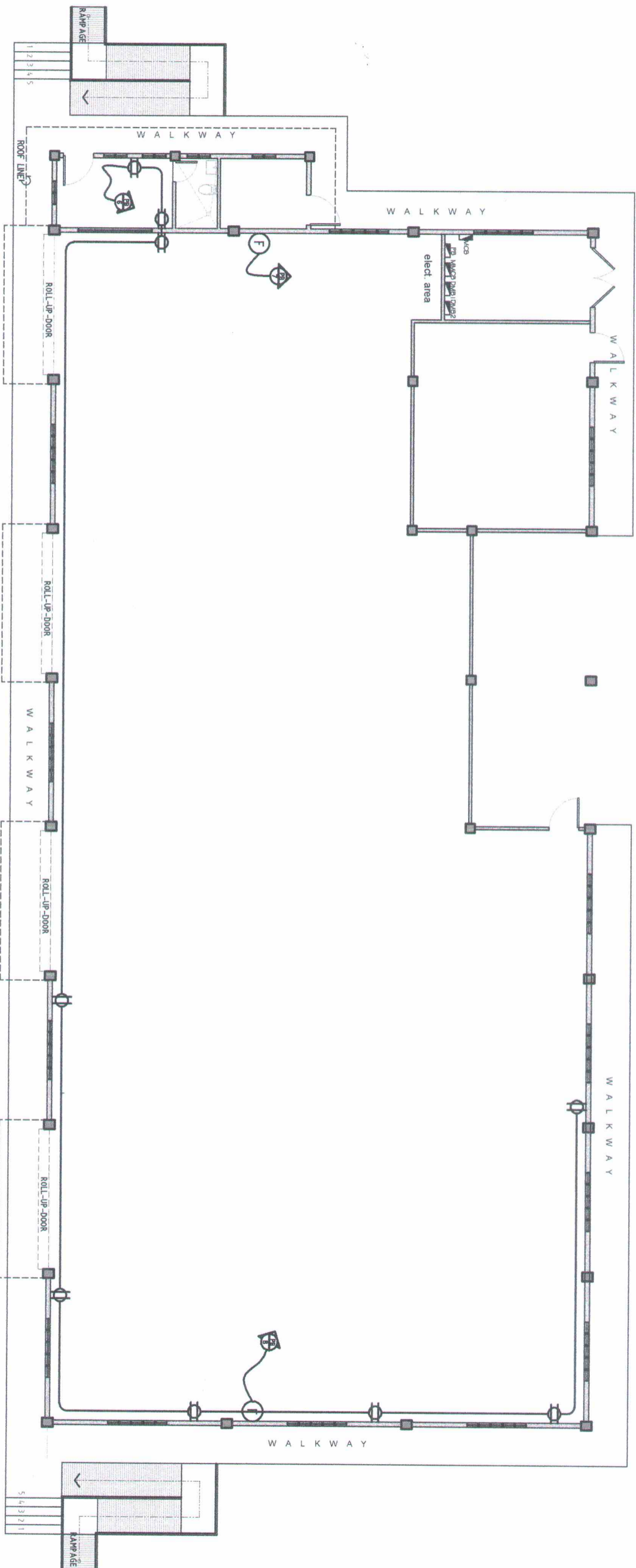
Approved by:

Name of Project: **CONSTRUCTION OF RPC-III (Rice Processing Center)**
 Location: **BRGY. CAUSIP, BULA, CAMARINES SUR**
 Source of fund: **GAA - 2023**
 Sheet Contents: **AS SHOWN ABOVE**

DATE: **4-20-23**

SHEET NO.: **E**

SCALE: **AS SHOWN ABOVE**



POWER LAYOUT
SCALE: 1:100 MTS.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
REGIONAL FIELD UNIT NO. 5
SAN AGUSTIN, PILI, CAMARINES SUR

Prepared by:

JONATHAN SARMIENTO
CAD & DESIGN

Checked by:

ENGR. ONOFRE A. RUIZ JR.
Civil Engineer in Charge

Reviewed by:

ENGR. LESTON B. BALTAZAR
OIC EPDSS HEAD

Submitted by:

ENGR. GILBERT SALCEDO
OIC-Chief, RAED

Recommending Approval:

LIZ R. MARCELINO
RTD, for Operation

Approved by:

RODEL P. TORRILLANA
Regional Executive Director

Name of Project:

CONSTRUCTION OF RPC-III
(Rice Processing Center)
BRGY. CAUSIP, BULA, CAMARINES SUR
GAA - 2023
AS SHOWN ABOVE

CAD by:

THH
DATE: 4-28-23
Sheet No.: E