

**SECOND FLOOR FRAMING PLAN**  
 SCALE: \_\_\_\_\_ 1:200 MTS

**FOR APPROVAL PLANS OF  
REGIONAL TVET INNOVATION  
CENTERS (RTICs) 2023**

PROJECT OWNER:

**TECHNICAL EDUCATION  
AND  
SKILLS DEVELOPMENT  
AUTHORITY**

MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road BLEX, Taguig City.

PROJECT TITLE:

**PROPOSED TESDA PPSAT  
INNOVATION CENTER**

LOCATION: STA. MONICA, PUERTO PRINCESA, PALAWAN

CIVIL ENGINEER:

**ENGR. ENRIQUE G. DELA TORRE**  
PMU-SIPTVETS  
ENGINEERING SECTION

PROJECT MANAGER:

**DIR. ENRICO C. BANARIO**  
PMU-SIPTVETS

PROJECT DIRECTOR:

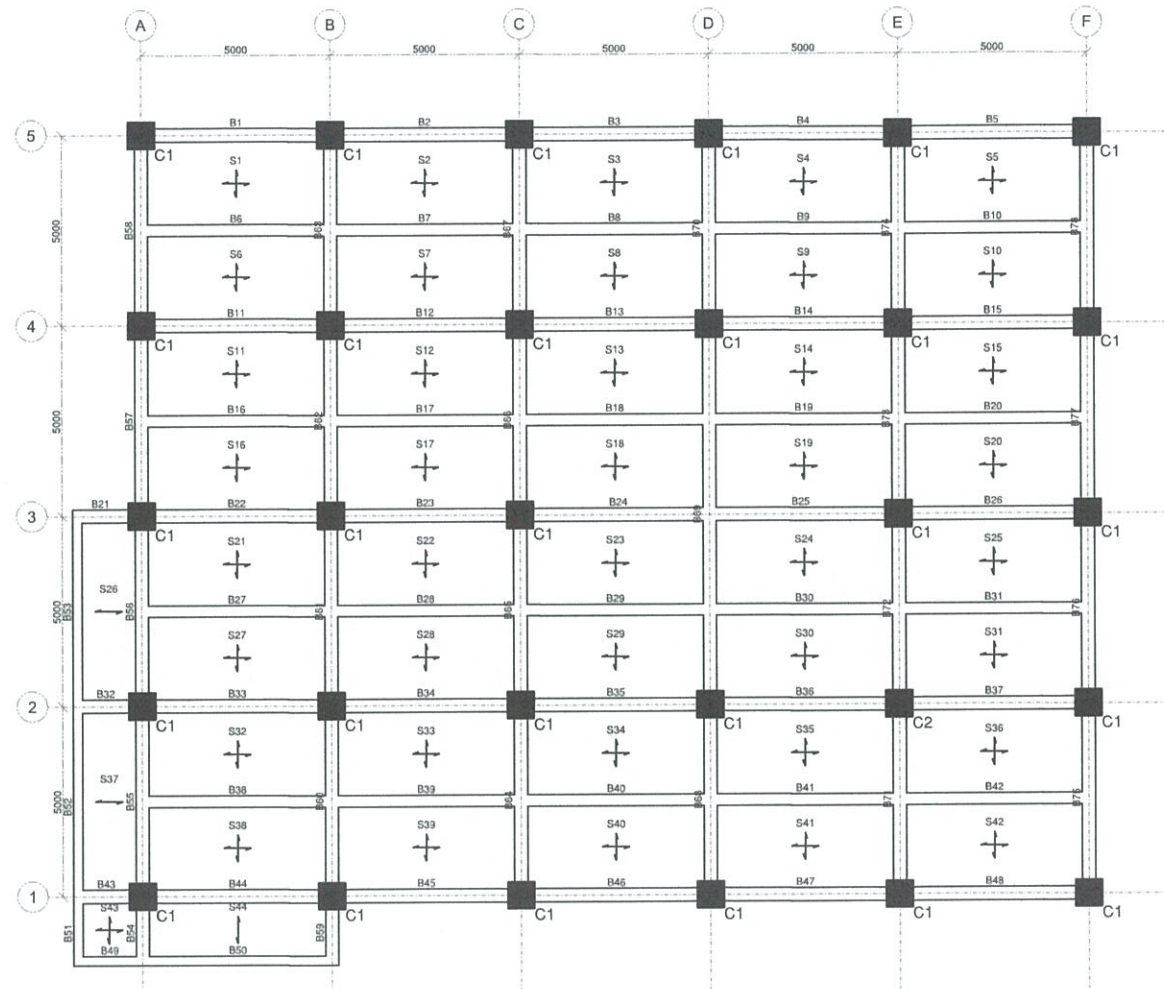
**SEC. SUHARTO T. MANGUDADATU, Ph.D.**  
PMU-SIPTVETS  
SECRETARY, TESDA

SHEET CONTENTS:

SECOND FLOOR FRAMING PLAN

SHEET NO.

**S-10**



**ROOF DECK FLOOR FRAMING PLAN**  
 SCALE: \_\_\_\_\_ 1:200 MTS

**FOR APPROVAL PLANS OF  
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CENTERS (RTICs) 2023**

PROJECT OWNER:

**TECHNICAL EDUCATION  
AND  
SKILLS DEVELOPMENT  
AUTHORITY**

MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road 9/EX, Tagay City.

PROJECT TITLE:

**PROPOSED TESDA PPSAT  
INNOVATION CENTER**

LOCATION: STA. MONICA, PUERTO PRINCESA, PALAWAN

CIVIL ENGINEER:

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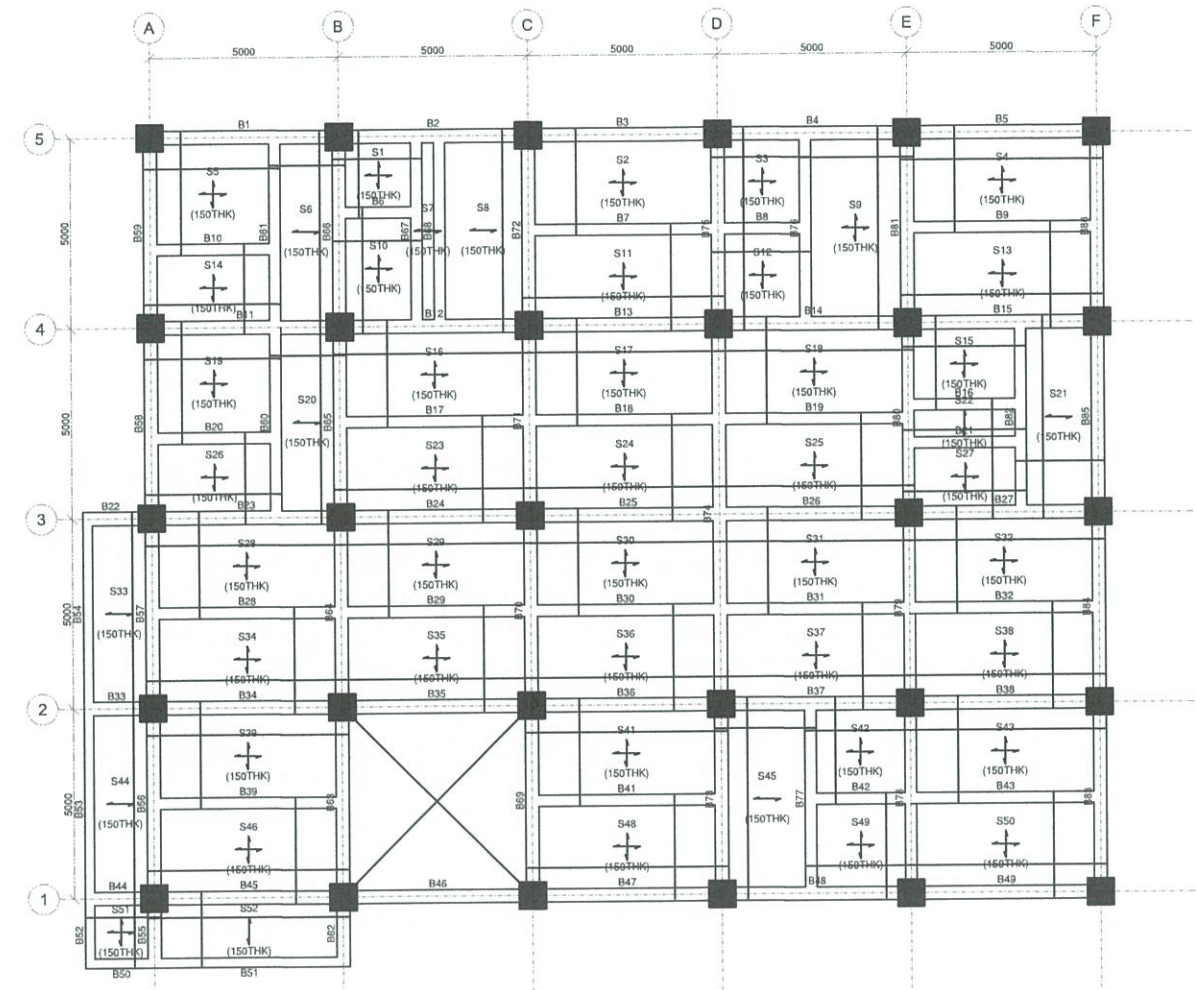
SHEET CONTENTS:  
ROOF DECK FLOOR FRAMING PLAN

SHEET NO.  
**S-11**

SLAB SCHEDULE (C28 : FY275) (LEVEL : 5.6M)


SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT		TOP REINFORCEMENT				DISTRIBUTION
		ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG SUPPORT		OVER SHORT SUPPORT		
		FULL LENGTH	FULL LENGTH	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT	
S1, S2, S4, S5 S35, S48, S49 S50, S51	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C
S3, S9, S13 S14, S19, S26 S32, S38, S39 S41, S43, S46	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C
S6, S7, S8, S20 S22, S45	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	---	Ø10 @ 250 C/C	Ø10 @ 250 C/C
S10, S11, S12 S15, S16, S17 S18, S23, S24 S25, S27, S28 S29, S30, S31 S34, S36, S37 S42	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C
S21, S33, S44 S52	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C	Ø10 @ 250 C/C

SLAB SCHEDULE - 5.6M  
SCALE: NTS





BOTTOM REINFORCEMENT LAYOUT - 5.6 M  
SCALE: 1:200 MTS


FOR APPROVAL PLANS OF  
REGIONAL TVET INNOVATION  
CENTERS (RTICs) 2023

PROJECT OWNER:  
  
TECHNICAL EDUCATION  
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PROJECT TITLE:  
PROPOSED TESDA PPSAT  
INNOVATION CENTER

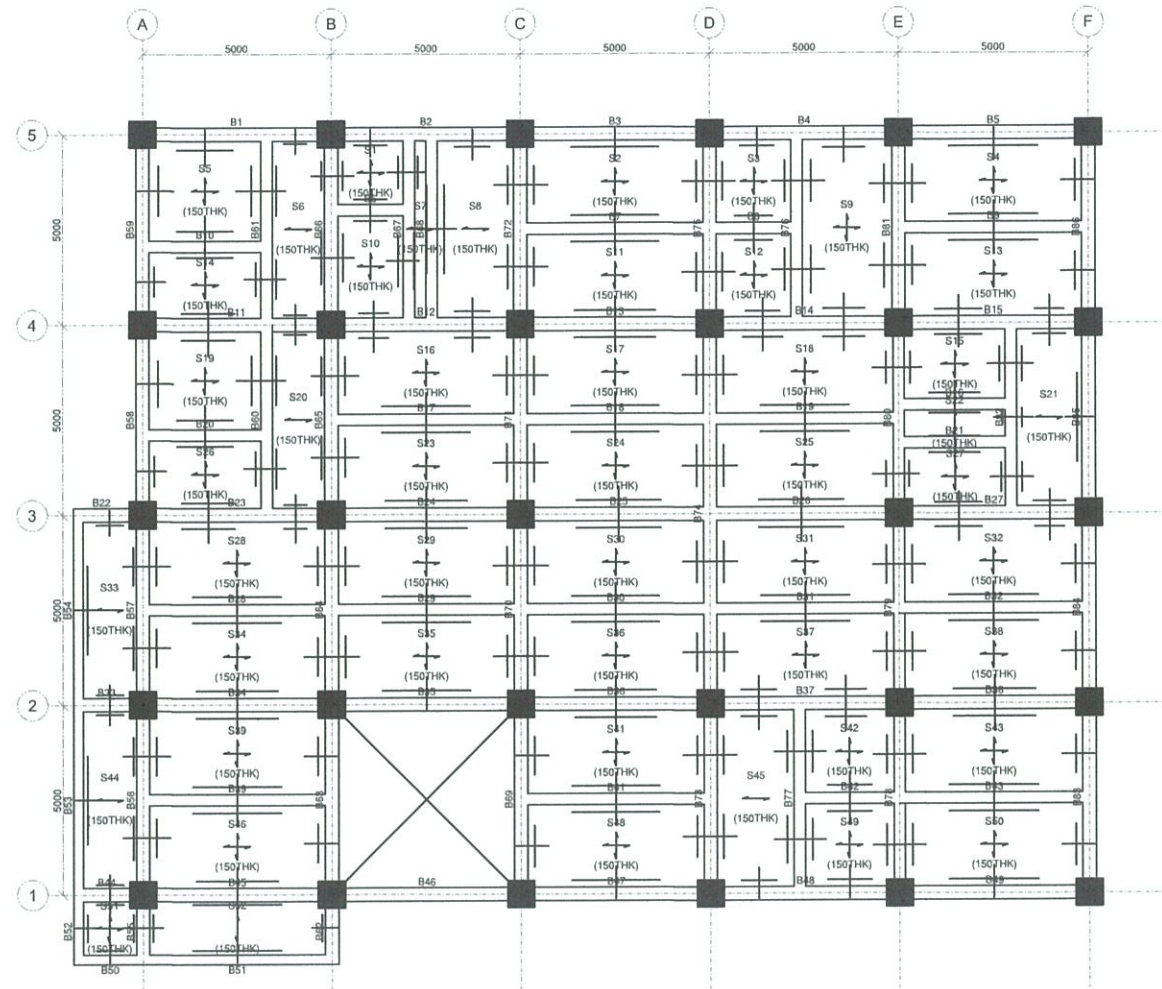
CIVIL ENGINEER:  
  
ENGR. ENRIQUE G. DELA TORRE  
PMU-SIPTVETS  
ENGINEERING SECTION

PROJECT MANAGER:  
  
DIR. ENRICO C. BANARIO  
PMU-SIPTVETS

PROJECT DIRECTOR:  
  
SEC. SUHARTO T. MANGUDADATU, Ph.D.  
PMU-SIPTVETS  
SECRETARY, TESDA

SHEET CONTENTS:  
SLAB SCHEDULE 5.6 M  
BOTTOM REINFORCEMENT  
LAYOUT - 5.6M

SHEET NO.  
S-12



TOP REINFORCEMENT LAYOUT - 5.6 M  
 SCALE: 1:200 MTS

**FOR APPROVAL PLANS OF  
 REGIONAL TVET INNOVATION  
 CENTERS (RTICs) 2023**



MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City.

PROJECT TITLE:  
**PROPOSED TESDA PPSAT  
 INNOVATION CENTER**

LOCATION: STA. MONICA, PUERTO PRINCESA, PALAJAN

CIVIL ENGINEER:  
  
 ENGR. ENRIQUE G. DELA TORRE  
 PMU-SIPTVETS  
 ENGINEERING SECTION

PROJECT MANAGER:  
  
 DIR. ENRICO C. BANARIO  
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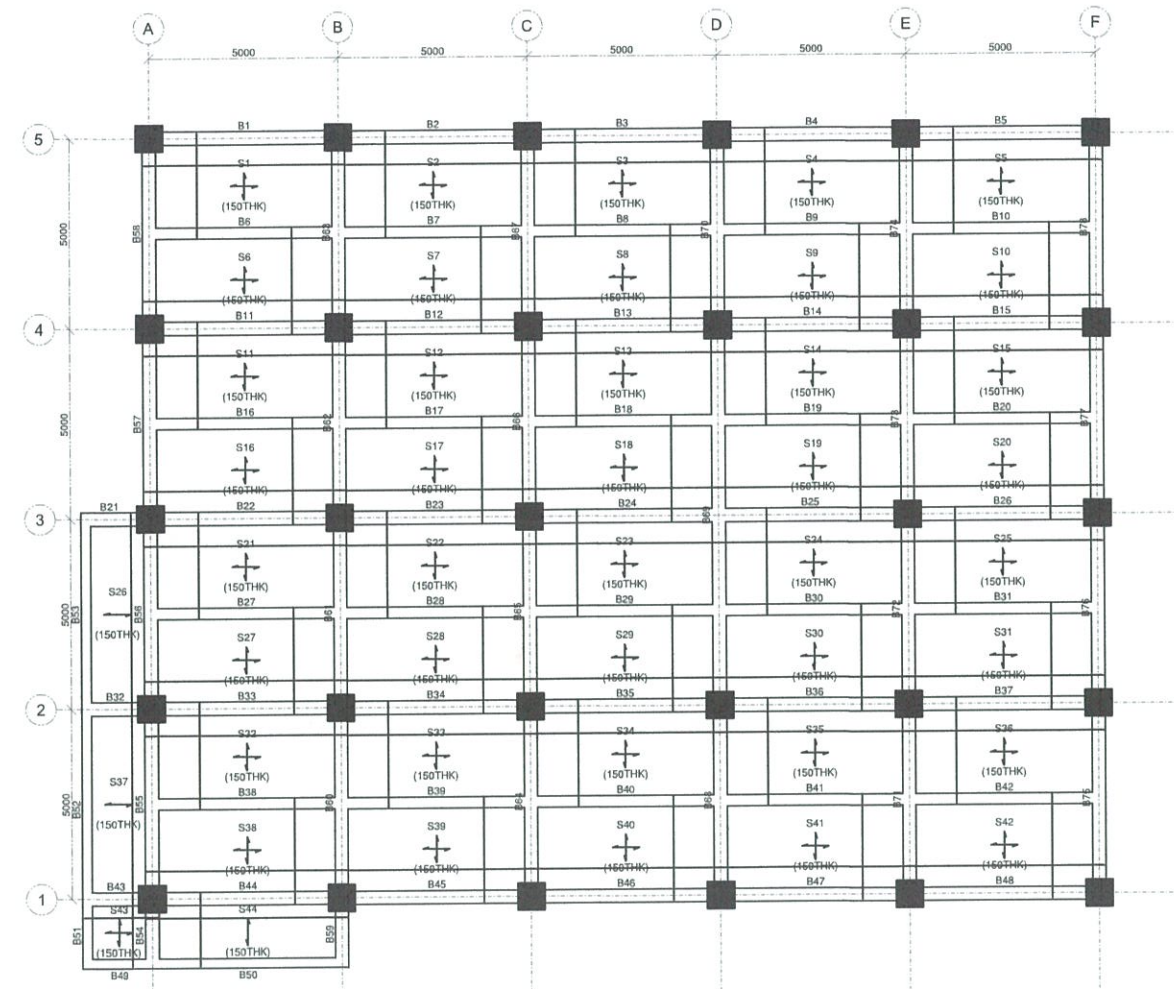
SHEET CONTENTS:  
 TOP REINFORCEMENT LAYOUT  
 5.6M

SHEET NO.  
**S-13**

SLAB SCHEDULE (C28 : FY275) (LEVEL : 9.2M)

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT		TOP REINFORCEMENT				DISTRIBUTION
		ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG SUPPORT		OVER SHORT SUPPORT		
		FULL LENGTH	FULL LENGTH	CONTINUOUS SUPPORT	END SUPPORT	CONTINUOUS SUPPORT	END SUPPORT	
S1, S2, S3, S4 S5, S39, S40 S41, S42, S43	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C
S6, S10, S11 S15, S16, S20 S25, S31, S36	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C
S7, S8, S9, S12 S13, S14, S17 S18, S19, S21 S22, S23, S24 S27, S28, S29 S30, S32, S33 S34, S35, S38	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C
S26, S37, S44	150	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	Ø10 @ 250 C/C	---	Ø10 @ 250 C/C	Ø10 @ 250 C/C

SCALE:  SLAB SCHEDULE - 9.2 M  
NTS



SCALE:  BOTTOM REINFORCEMENT LAYOUT - 9.2 M  
1:200 MTS


FOR APPROVAL PLANS OF  
REGIONAL TVET INNOVATION  
CENTERS (RTICs) 2023





MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road BLDG, Taguig City

PROJECT TITLE:  
PROPOSED TESDA PPSAT  
INNOVATION CENTER

LOCATION: STA. MONICA, PUERTO PRINCESA, PALAWAN

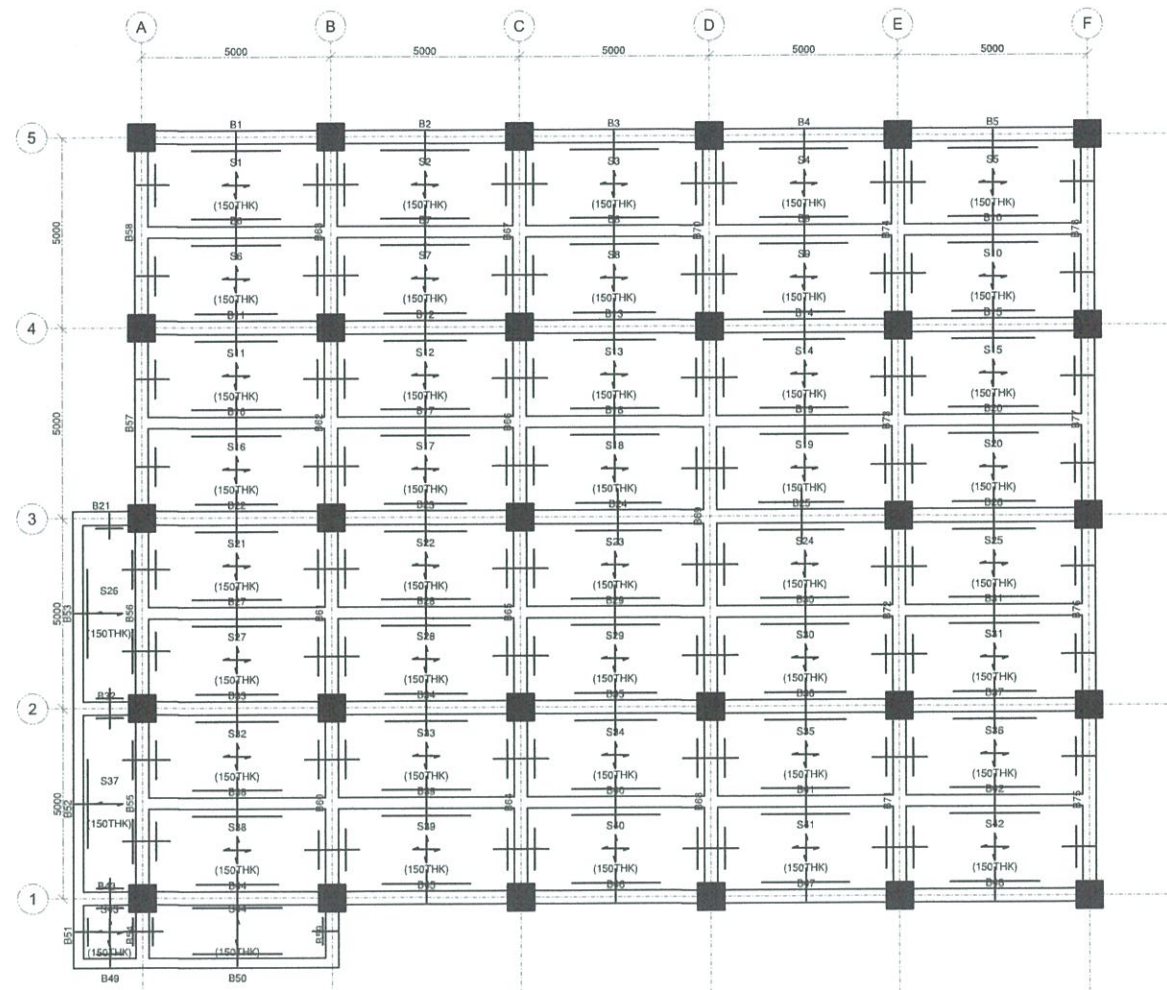
CIVIL ENGINEER:  
  
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PMU-SIPTVETS  
SECRETARY, TESDA

SHEET CONTENTS:  
SLAB SCHEDULE - 9.2M  
BOTTOM REINFORCEMENT  
LAYOUT - 9.2M

SHEET NO.  
**S-14**




TOP REINFORCEMENT LAYOUT - 9.2 M

SCALE: 1:200 MTS

**FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023**

PROJECT OWNER:



**TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY**


MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road BLEX, Taguig City

PROJECT TITLE:

**PROPOSED TESDA PPSAT INNOVATION CENTER**


LOCATION: STA. MONCA, PUERTO PRINCESA, PALAWAN

CIVIL ENGINEER:




**ENGR. ENRIQUE G. DELA TORRE**  
PMU-SIPTVETS  
ENGINEERING SECTION

PROJECT MANAGER:



**DIR. ENRICO C. BANARIO**  
PMU-SIPTVETS

PROJECT DIRECTOR:



**SEC. SUHARTO T. MANGUDADATU, Ph.D.**  
PMU-SIPTVETS  
SECRETARY, TESDA

SHEET CONTENTS:

TOP REINFORCEMENT LAYOUT - 9.2M

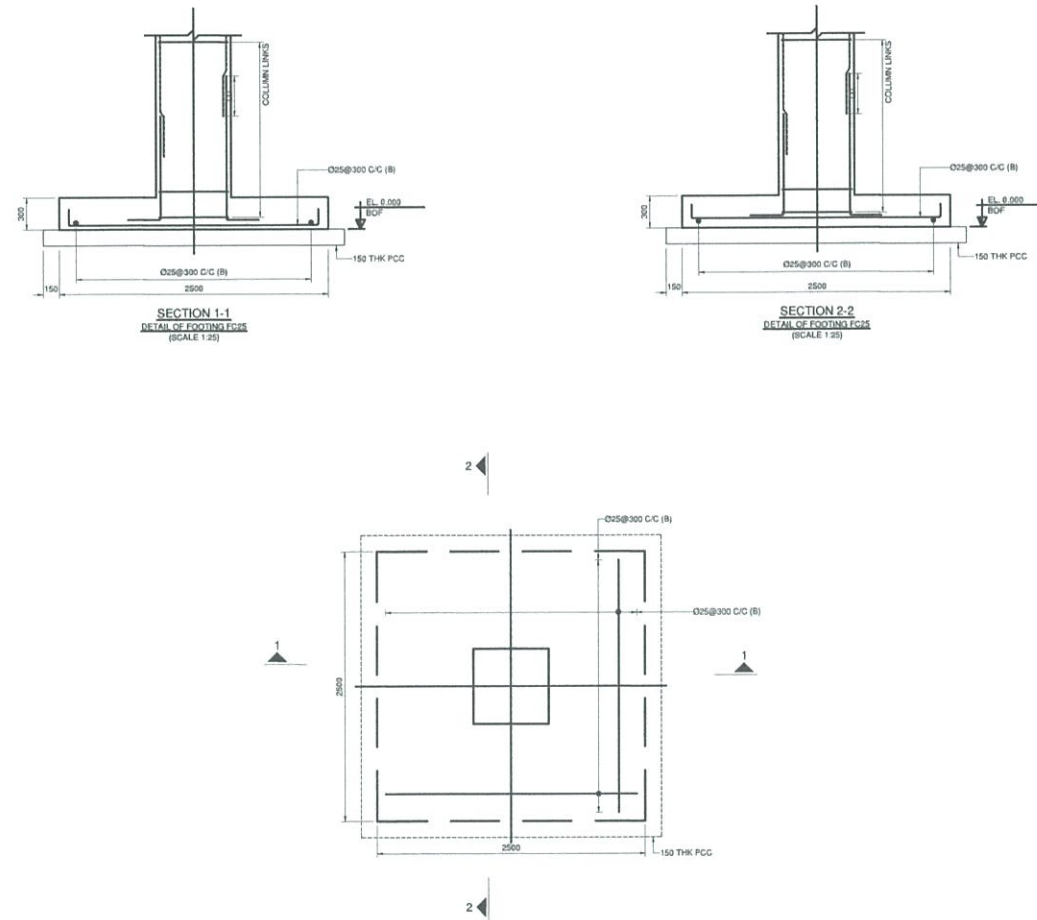
SHEET NO.

**S-15**

FOOTING SCHEDULE (C28:Fy414)

FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION			FOOTING REINFORCEMENT	
			L	B	D	BOTTOM	
						ALONG B	ALONG L
FC1	C1	Pad	3000	3000	300	Ø25@300 C/C	Ø25@300 C/C
FC2	C1,C2	Pad	2500	2500	300	Ø25@300 C/C	Ø25@300 C/C

FOOTING SCHEDULE  
SCALE: \_\_\_\_\_ NTS



ISOLATED FOOTING DETAIL  
SCALE: \_\_\_\_\_ NTS

5.6M	C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM			
	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	
TO				
9.2M	C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM			
	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	
TO				
2.4M	C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM			
	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	
TO				
5.6M	C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM			
	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	
TO				
0M	C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM		C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM	
	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	Z1 MAIN LINK Ø12 @ 150
TO	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150
2.4M	C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM		C28 : Fy414 , COVER = 50MM CONFINING ZONE = 700 MM	
	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	Z1 MAIN LINK Ø12 @ 150
TO	Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150	Z1 MAIN LINK Ø12 @ 150	Z1 OTHERS Ø10 @ 150
COLUMN MARKED	C1		C2	

COLUMN AND WALL SCHEDULE


(SCALE 1:25)

NOTES:


1. BE = BOUNDARY ELEMENT AS PER ACI 318M - 2014. PROVIDE CONFINING REINFORCEMENT ACROSS ENTIRE HEIGHT OF WALL IN THE BOUNDARY ELEMENT
2. Z1 = SPECIAL CONFINING ZONE AS PER ACI 318M - 2014, Z2 = REMAINING ZONES AS PER ACI 318M - 2014


COLUMN AND WALL SCHEDULE  
SCALE: \_\_\_\_\_ NTS


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LOCATION: STA. MONCA, PUERTO PRINCESSA, PALAWAN

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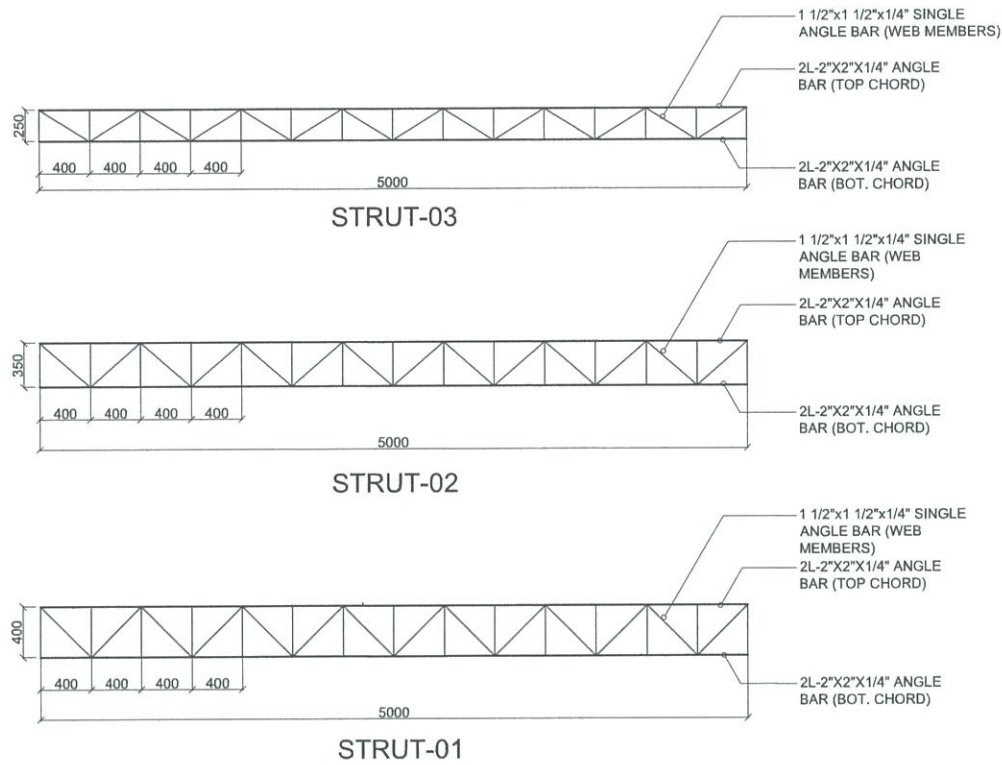
SHEET CONTENTS:  
FOOTING SCHEDULE  
ISOLATED FOOTING DETAIL  
COLUMN SCHEDULE

SHEET NO.

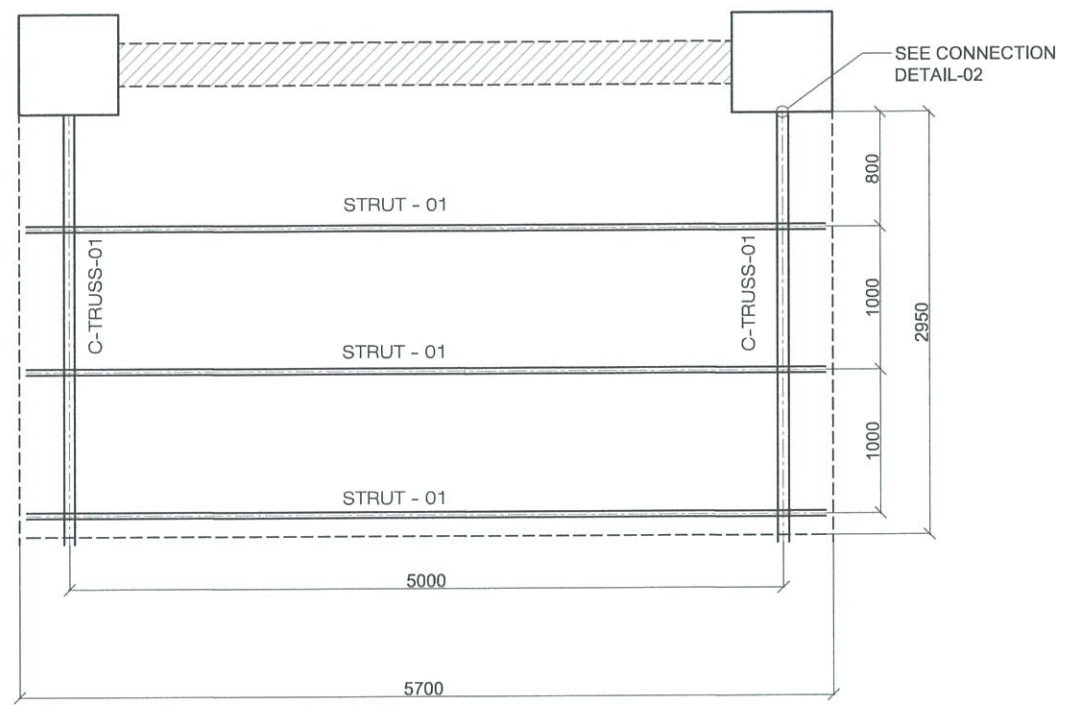
**S-16**



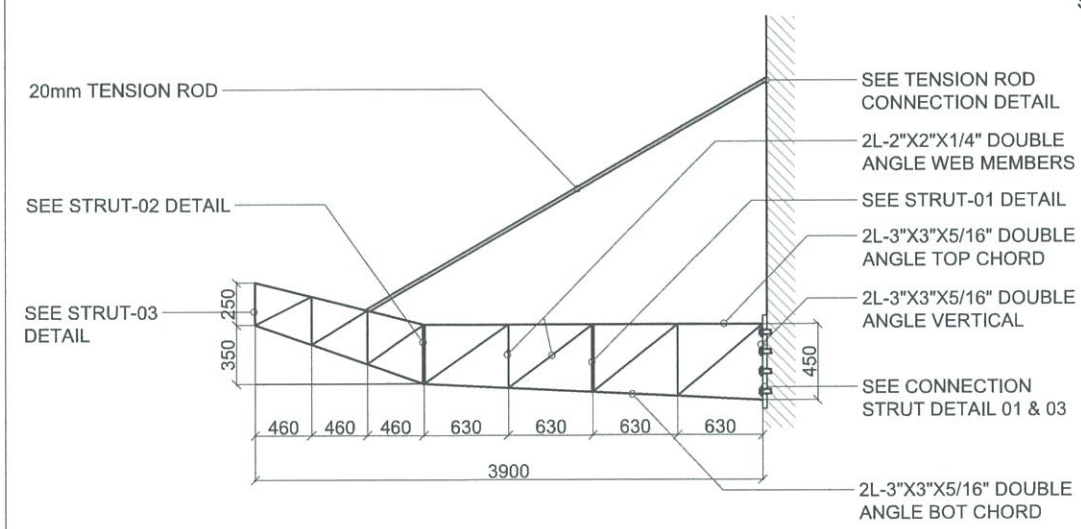
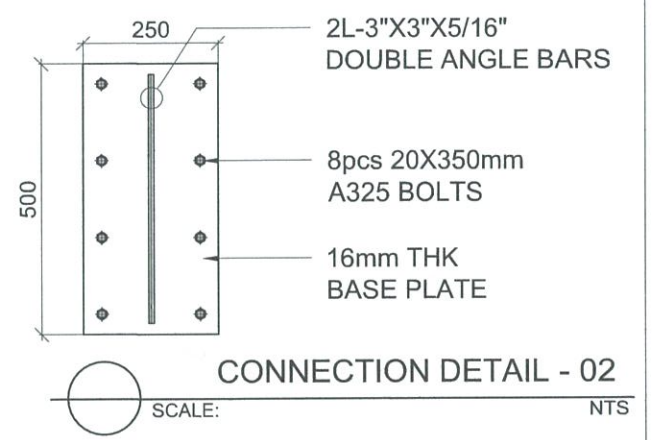
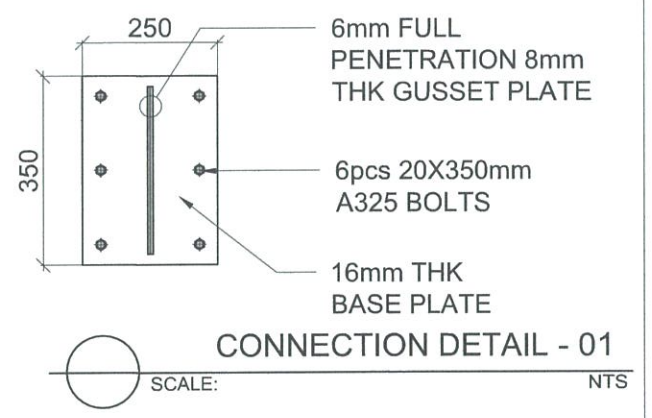




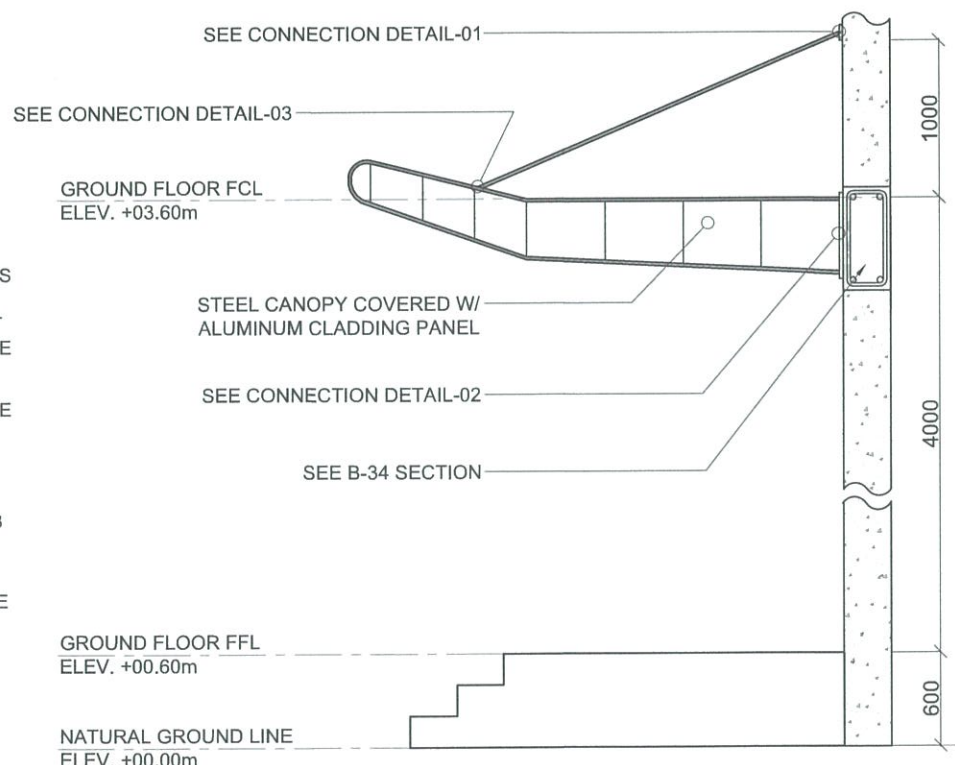
STRUT DETAIL  
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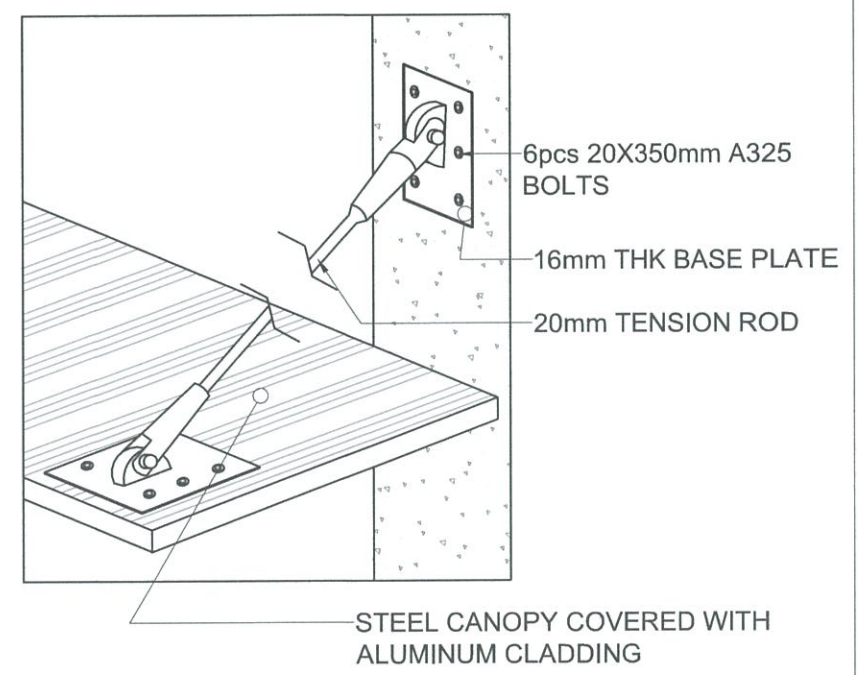
CANOPY PLAN  
 SCALE: NTS







C-TRUSS DETAIL  
 SCALE: NTS

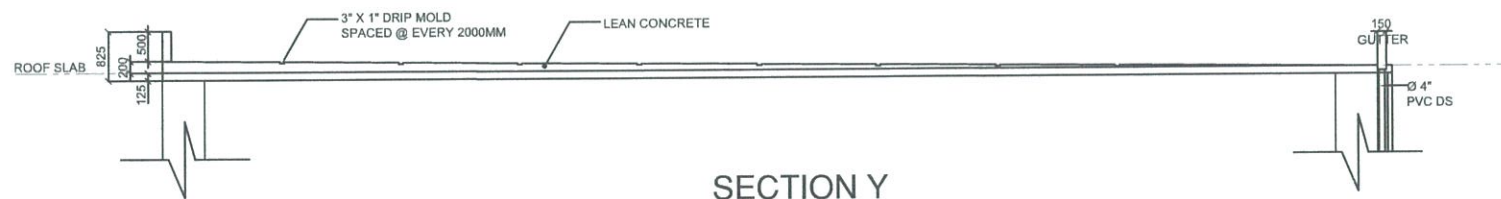
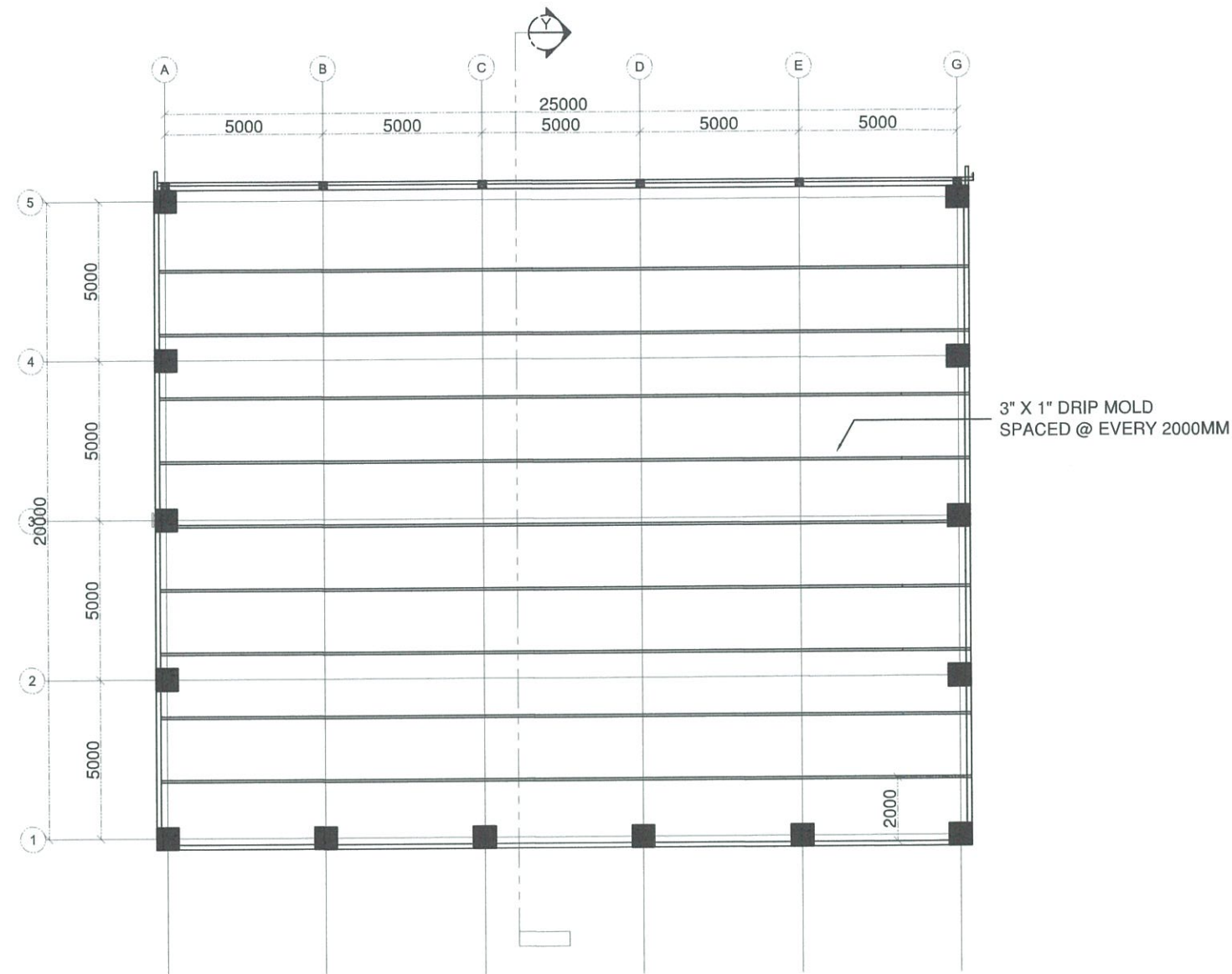


CANOPY ELEVATION / SECTION DETAIL  
 SCALE: NTS



CONNECTION DETAIL - 03  
 SCALE: NTS

<b>FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023</b>	PROJECT OWNER:  <b>TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY</b>	PROJECT TITLE: <b>PROPOSED TESDA PPSAT INNOVATION CENTER</b>	CIVIL ENGINEER:  <b>ENGR. ENRIQUE G. DELA TORRE</b> PMU-SIPTVETS ENGINEERING SECTION	PROJECT MANAGER:  <b>DIR. ENRIQUE C. BANARIO</b> PMU-SIPTVETS	PROJECT DIRECTOR:  <b>SEC. SUHARTO T. MANGUDADATU, Ph.D.</b> PMU-SIPTVETS SECRETARY, TESDA	SHEET CONTENTS: STRUT DETAIL C-TRUSS DETAIL CANOPY PLAN CANOPY ELEVATION PLAN CONNECTION DETAIL - 01 CONNECTION DETAIL - 02 CONNECTION DETAIL - 03	SHEET NO. <b>S-18</b>
	<small>MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road BLEX, Taguig City.</small>		<small>LOCATION: STA. MONICA, PUERTO PRINCESA, PALAWAN</small>				




ROOF DECK SECTION PLAN

SCALE: 1:200 MTS

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REGIONAL TVET INNOVATION  
CENTERS (RTICs) 2023**

PROJECT OWNER:



**TECHNICAL EDUCATION  
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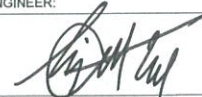
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road BLEX, Taguig City.

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SHEET CONTENTS:	SHEET NO.
ROOF DECK SECTION PLAN	<b>S-19</b>

**GENERAL NOTES AND SPECIFICATIONS**

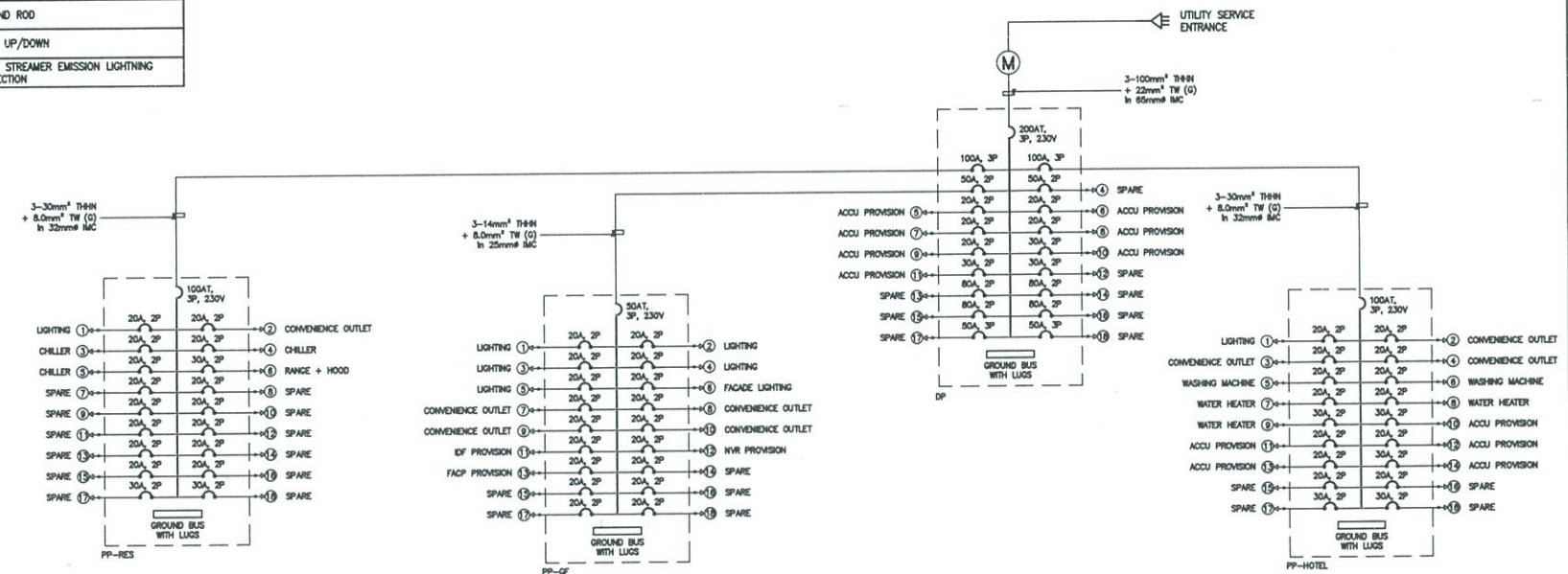
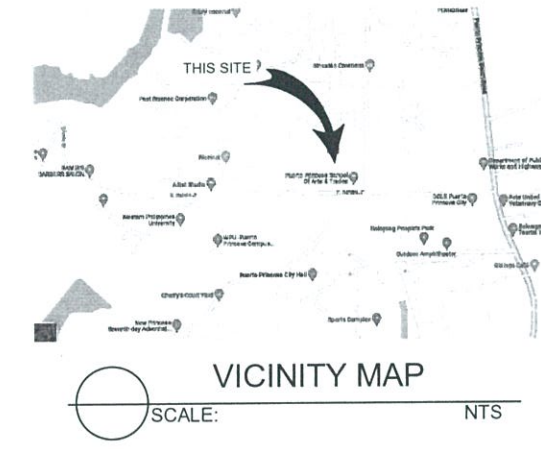
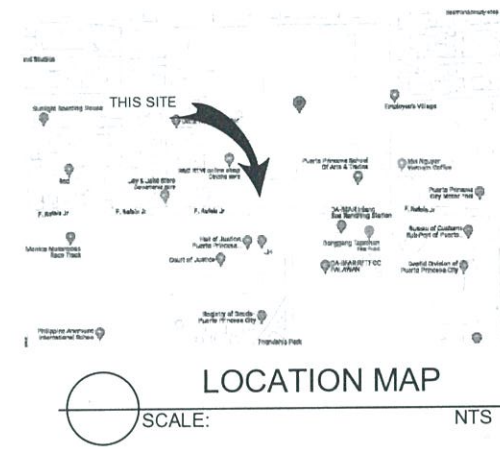
- ALL ELECTRICAL WORKS TO BE UNDERTAKEN HERE IN SHALL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LATEST APPROVED EDITION OF THE PHILIPPINE ELECTRICAL CODE, THE LAWS, THE EXISTING ORDINANCES, RULES AND REGULATIONS OF CITY ENGINEER'S OFFICE, THE BUILDING ADMINISTRATION OFFICE AND INDUSTRIAL SAFETY AS WELL AS THE REQUIREMENTS OF THE UTILITY COMPANY.
- ALL MATERIALS AND REQUIREMENTS TO BE USED HEREIN SHALL BE NEW AND OF THE APPROVED TYPE FOR ITS LOCATION AND PURPOSE.
- NO OF BRANCH CIRCUIT WIRING IN LIGHTING AND POWER SHALL HAVE A LOAD MORE THAN BOX OF ITS RATING.
- LIGHT CONTROL SWITCHES SHALL BE RATED 16 AMPERES, 230 VOLT.
- UNLESS OTHERWISE SPECIFIED PULLBOXES OR JUNCTION BOXES SHALL BE PROVIDED WHENEVER REQUIRED AND NECESSARY. ALTHOUGH SUCH BOXES ARE NOT INDICATED ON PLANS.
- FOR EACH SPARE CIRCUIT IN PANELBOARD, PROVIDE AN EMPTY CONDUIT 20mm(3/4") DIA. TERMINATING TO A COVERED SQUARED BOX.
- ALL EQUIPMENT AND/NON CURRENT CARRYING METAL FRAME, SHALL BE PROVIDED WITH ADEQUATE AND EFFECTIVE GROUNDING SYSTEM.
- STANDARD TYPE OF ACCESSORIES, SPLICING DEVICES, TERMINATION AND OTHER APPURTENANCES SHALL BE USED FOR THE ENTIRE ELECTRICAL INSTALLATION.
- POWER SUPPLY SHALL BE 230 VOLTS, 3Φ, 3 WIRE PLUS NEUTRAL PLUS GROUND, 60 HERTZ.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED AND REGISTERED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN
- UNLESS OTHERWISE INDICATED, MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
  - A. PANELBOARDS.....1.80m CENTER OF ENCLOSURE
  - B. CONVENIENCE OUTLET.....0.3m CENTER OF THE BOX
  - C. SWITCH OUTLET.....1.30m CENTER OF THE BOX
  - D. GAVY OUTLET.....0.30m CENTER OF THE BOX
  - E. GFCI COUNTERTOP.....0.30m FROM TOP OF LAVATORY
  - F. COUNTERTOP OUTLET.....0.30m FROM TOP OF KITCHEN SINK
  - G. TEL./DATA OUTLET.....0.30m CENTER OF THE BOX
- THE JOB SHALL BE EXECUTED IN THE MOST THROUGH PROMPT AND WORKMAN LIKE MANNER, EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICES. THE JOB SHALL BE DONE COMPLETE IN ALL ASPECTS AS REQUIRED IN PLANS AND SPECIFICATIONS AND READY FOR OPERATION.
- ADDITIONAL MATERIALS SPECIFICATIONS:
  - A. CONDUIT....."PANASONIC", "MC GILL", "SMARTUBE" OR APPROVED EQUAL.
  - B. WIRES AND CABLES....."PHELPS DODGE", "PHILFLEX", "DURAFLEX"
  - C. CIRCUIT BREAKER BOARD....."ABB", "GE", "SCHNEIDER ELECTRIC" BOLT-ON TYPE
  - D. WIRING DEVICES....."PANASONIC", "LEVITON", "SCHNEIDER ELECTRIC"
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKER. EACH PANEL WILL BE APPROVED WITH A TYPED CIRCUIT DIRECTORY.
- WIRES SHALL BE COLOR CODED:
  - THREE PHASE
    - LINE 1.....RED
    - LINE 2.....YELLOW
    - LINE 3.....BLUE
    - GROUND.....GREEN
  - SINGLE PHASE
    - LINE 1,2,3.....RED
    - GROUND.....GREEN
- NO REVISION IN DESIGN SHALL BE DONE WITHOUT THE PRIOR KNOWLEDGE AND APPROVAL OF THE DESIGNER AND THE OWNER. ANY SUCH REVISION DONE WITHOUT THE APPROVAL SHALL CAUSE RESPONSIBILITY OF THE DESIGNER TO CEASE A WHOLE.
- ALL WEATHER-EXPOSED INSTALLATIONS SHALL USE WEATHERPROOF TYPE MATERIALS. ESPECIALLY WEATHERPROOF CONVENIENCE OUTLET, CAST-BOXES, JUNCTION BOXES SUBMIT SAMPLE FOR APPROVAL.

**ABBREVIATIONS**

CO	CONVENIENCE OUTLET
MM	MILLIMETER
EF	EXHAUST FAN
FCU	FAN COIL UNIT
ACCU	AIR-COOLED CONDENSING UNIT
ECB	ENCLOSED CIRCUIT BREAKER
MCB	MINIATURE CIRCUIT BREAKER
TX	TRANSFORMER
ATS	AUTOMATIC TRANSFER SWITCH
A, AMP	AMPERE
AF	AMPERE FRAME
AT	AMPERE TRIP
IMC	INTERMEDIATE METALLIC CONDUIT
J	JUNCTION BOX
KVC	KILOAMPERE INTERRUPTING CAPACITY
KVA	KILOVOLT-AMPERE
KWHR	KILOWATT-HOUR
KW	KILOWATT
KV	KILOVOLT
LA	LIGHTNING ARRESTER
LV	LOW VOLTAGE
3P	THREE POLE
LPVC	UNPLASTICIZED POLYVINYL CHLORIDE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C.L.	CONNECTED LOAD
#	DIAMETER
DIST	DISTRIBUTION
DF	DEMAND FACTOR
DL	DEMAND LOAD
DP	DOUBLE POLE
ENCL	ENCLOSURE, ENCLOSED
G, GND	GROUND
HZ	HERTZ
M	METER
MTD	MOUNTED
MTG	MOUNTING
MCB	MAIN CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MSB	MAIN SWITCH BOARD
NO./ #	NUMBER
P	POLE
PH	PHASE
PVC	POLYVINYL CHLORIDE
IMC	INTERMEDIATE METALLIC CONDUIT
THWN	MOISTURE & HEAT RESISTANT THERMOPLASTIC
TYP	TYPICAL
TR	MOISTURE RESISTANT THERMOPLASTIC
LVSIG	LOW VOLTAGE SWITCH GEAR
SP	SYNCHRONIZING PANEL
EE	ELECTRICAL EQUIPMENT
PP	POWER PANEL
LP	LIGHTNING PANEL
DP	DISTRIBUTION PANEL
DS	DISCONNECT SWITCH
RD	RISER DOWN
RU	RISER UP
PFC	POWER FACTOR CONTROLLER
PFI	POWER FACTOR INDICATOR
AHU	AIR HANDLING UNIT

**LEGENDS AND SYMBOLS**


⊕	DUPLEX CONVENIENCE OUTLET
⊕	FLOOR MOUNTED CONVENIENCE OUTLET
⊕	SIMPLEX CONVENIENCE OUTLET
⊕ HD	HAND DRYER PROVISION
⊕	SPECIAL PURPOSE OUTLET
⊕	JUNCTION BOX
⊕	DISCONNECT SWITCH
⊕	ENCLOSED CIRCUIT BREAKER
⊕	DISTRIBUTION PANEL
⊕	PANELBOARD
⊕	GROUND BAR
⊕	GROUND ROD WITH TESTING PIT
⊕	GROUND ROD
⊕ RU/RD	RISER UP/DOWN
⊕	EARLY STREAMER EMISSION LIGHTNING PROTECTION
⊕	DUPLEX CONVENIENCE OUTLET
⊕	FLOOR MOUNTED CONVENIENCE OUTLET
⊕	SIMPLEX CONVENIENCE OUTLET
⊕ HD	HAND DRYER PROVISION
⊕	SPECIAL PURPOSE OUTLET
⊕	JUNCTION BOX
⊕	DISCONNECT SWITCH
⊕	ENCLOSED CIRCUIT BREAKER
⊕	DISTRIBUTION PANEL
⊕	PANELBOARD
⊕	GROUND BAR
⊕	GROUND ROD WITH TESTING PIT
⊕	GROUND ROD
⊕ RU/RD	RISER UP/DOWN
⊕	EARLY STREAMER EMISSION LIGHTNING PROTECTION





**FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023**

PROJECT OWNER:  
  
**TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY**

PROJECT TITLE:  
**PROPOSED TESDA PPSAT INNOVATION CENTER**

ELECTRICAL ENGINEER:  
  
**ENGR. JOHN ADRIAN C. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION

PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDATU, Ph.D.**  
 PMU-SIPTVETS

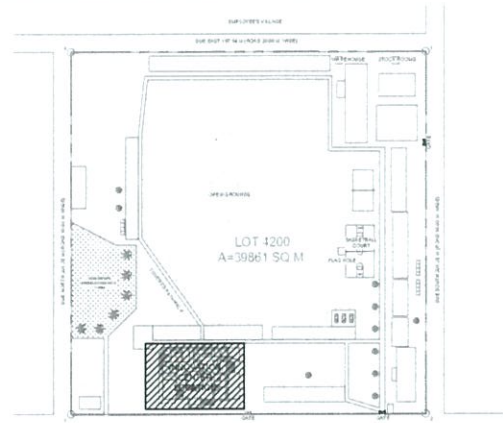
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 ABBREVIATION  
 LOCATION & VICINITY MAP  
 PANELBOARD DIAGRAM

SHEET NO.  
**E-0A**

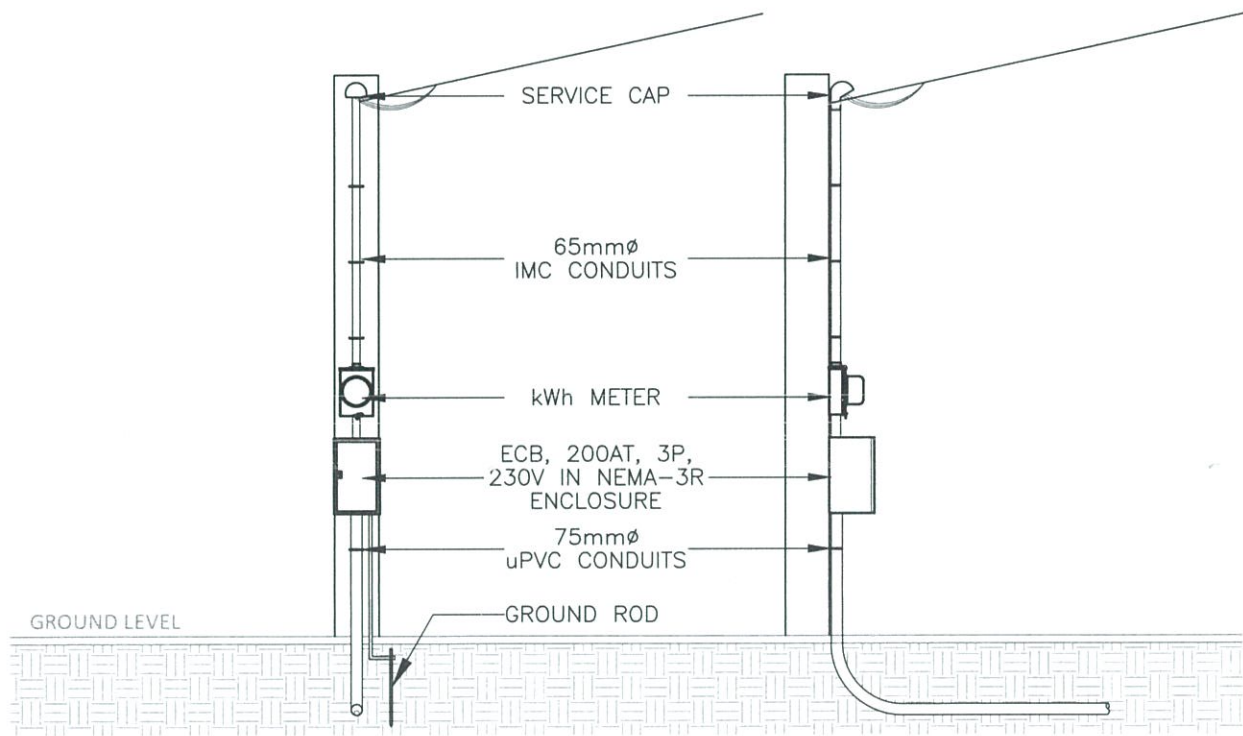
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road 15/EX, Taguig City

LOCATION: Sta. Monica, Puerto Princesa City, Palawan

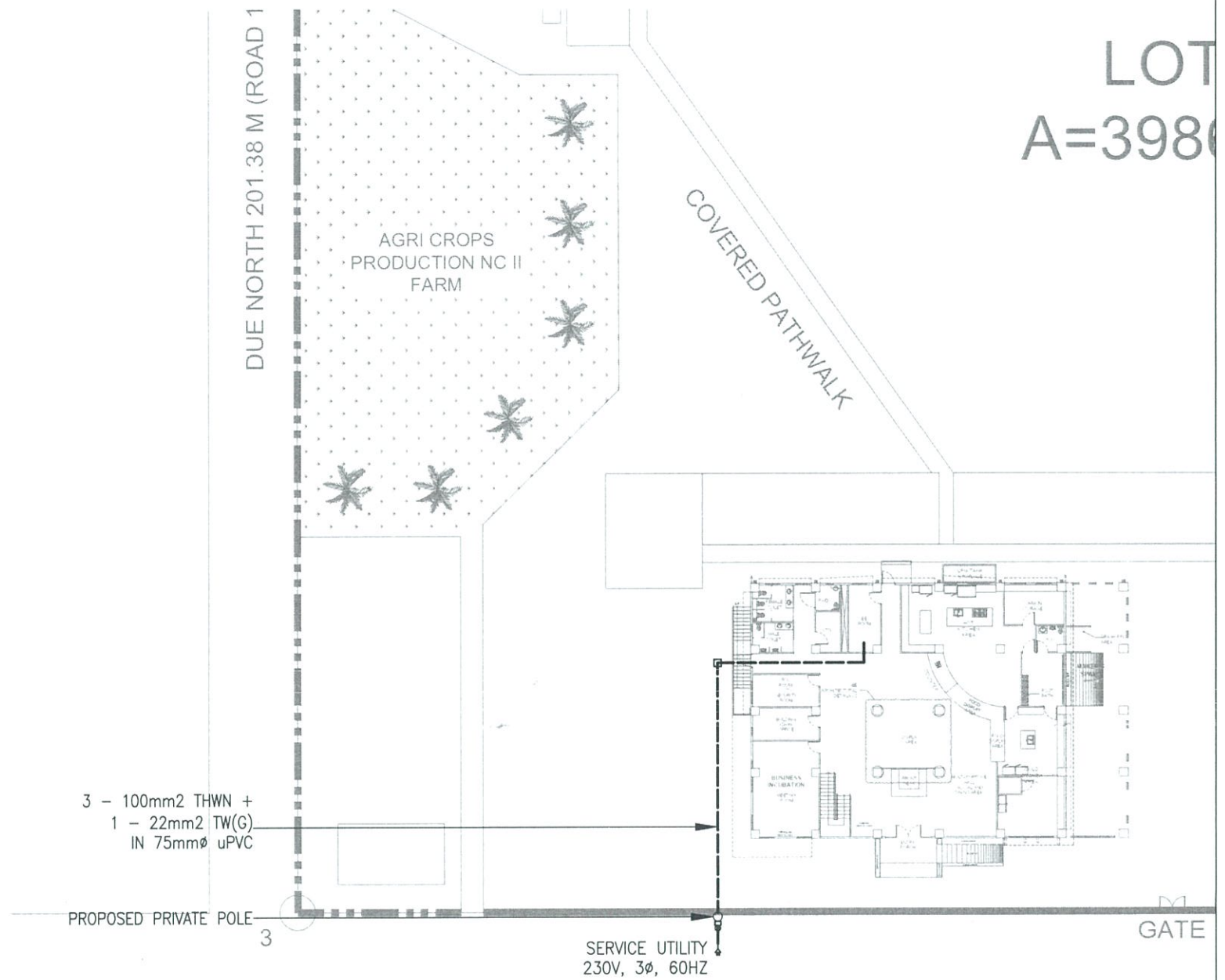




KEY PLAN




CONCRETE PEDESTAL DETAILS  
SCALE: 1:50MTS





ELECTRICAL SITE DEVELOPMENT PLAN  
SCALE: 1:400MTS


**FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023**

PROJECT OWNER:  
  
**TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY**  
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City

PROJECT TITLE:  
**PROPOSED TESDA PPSAT INNOVATION CENTER**  
LOCATION: Sta. Monica, Puerto Princesa City, Palawan

ELECTRICAL ENGINEER:  
  
**ENGR. JOHN ADRIAN C. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION

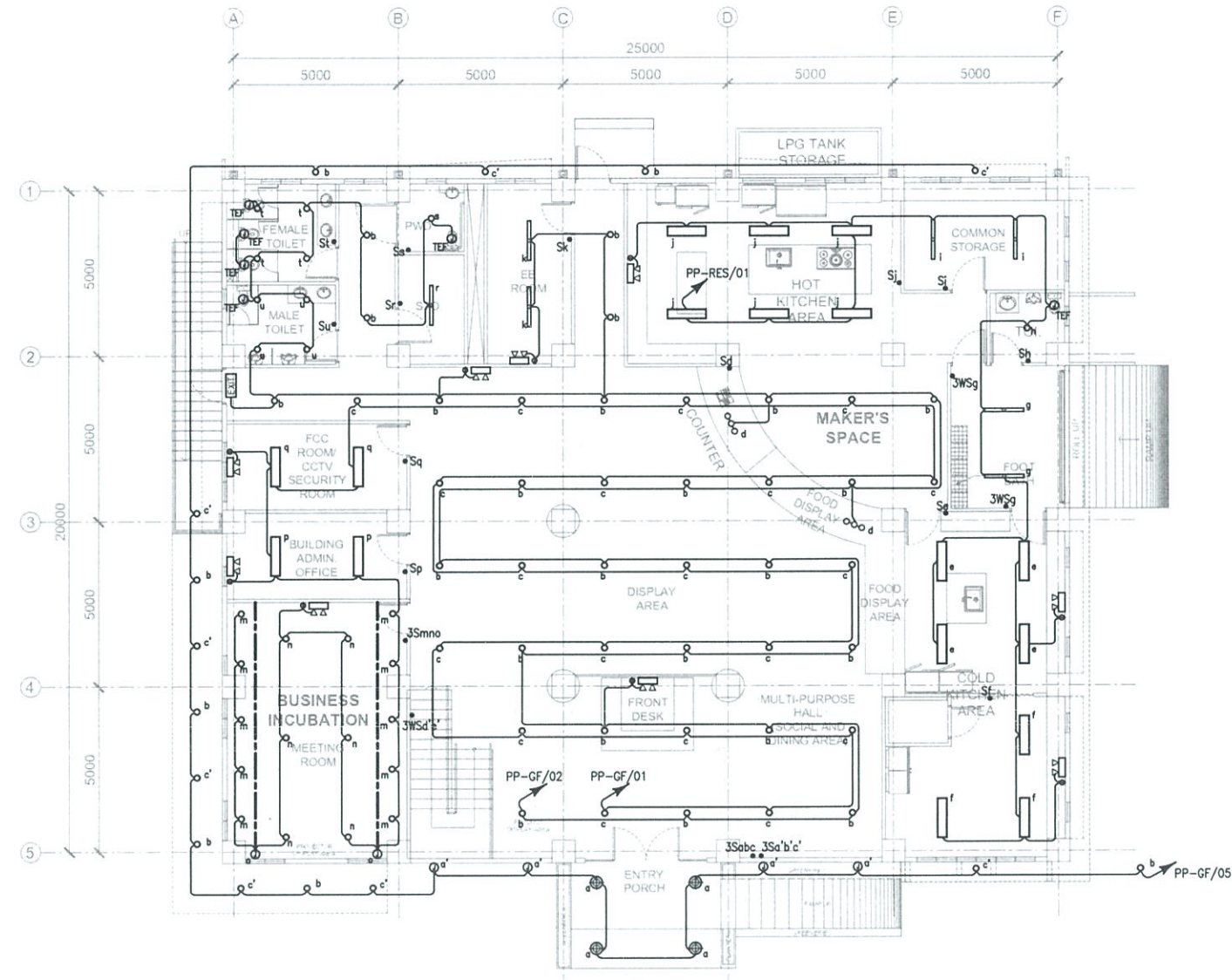
PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDADATU, Ph.D.**  
 PMU-SIPTVETS

SHEET CONTENTS:  
 SITE DEVELOPMENT PLAN

SHEET NO.  
**E-0C**


LEGENDS AND SYMBOLS	
○	RECESSED MOUNTED, 13W LED DOWNLIGHT
⊙	RECESSED MOUNTED, 26W LED DOWNLIGHT
—	SURFACE MOUNTED, 1200mm, 20W LED FLUORESCENT LIGHT
▭	2x20W, 300mmx1200mm, CEILING RECESSED FLUORESCENT LIGHTING FIXTURE WITH ACRYLIC DIFFUSER
●	PENDANT LIGHTING FIXTURE
⊗	100W HIGH BAY LIGHTING FIXTURE
⌘	TWIN-HEAD EMERGENCY LIGHT WITH 2HRS BATTERY BACK
EXIT	8W EXIT LIGHT WITH 2HRS BATTERY PACK
—	13W SUSPENDED LINEAR LIGHT
---	CONCEALED LIGHTING
S	1 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
2S	2 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
3S	3 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
RU/RD	RISER UP/DOWN
⊕	JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)



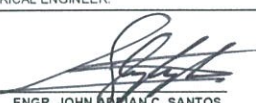
TESDA INNOVATION CENTER - PPSAT  
GROUND FLOOR LIGHTING LAYOUT

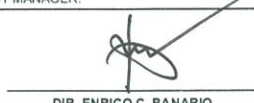
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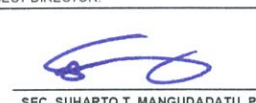
**FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023**

PROJECT OWNER:  

**TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY**  
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City

PROJECT TITLE:  
**PROPOSED TESDA PPSAT INNOVATION CENTER**  
LOCATION: Sta Monica, Puerto Princesa City, Palawan

ELECTRICAL ENGINEER:  
  
**ENGR. JOHN BRIAN C. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION

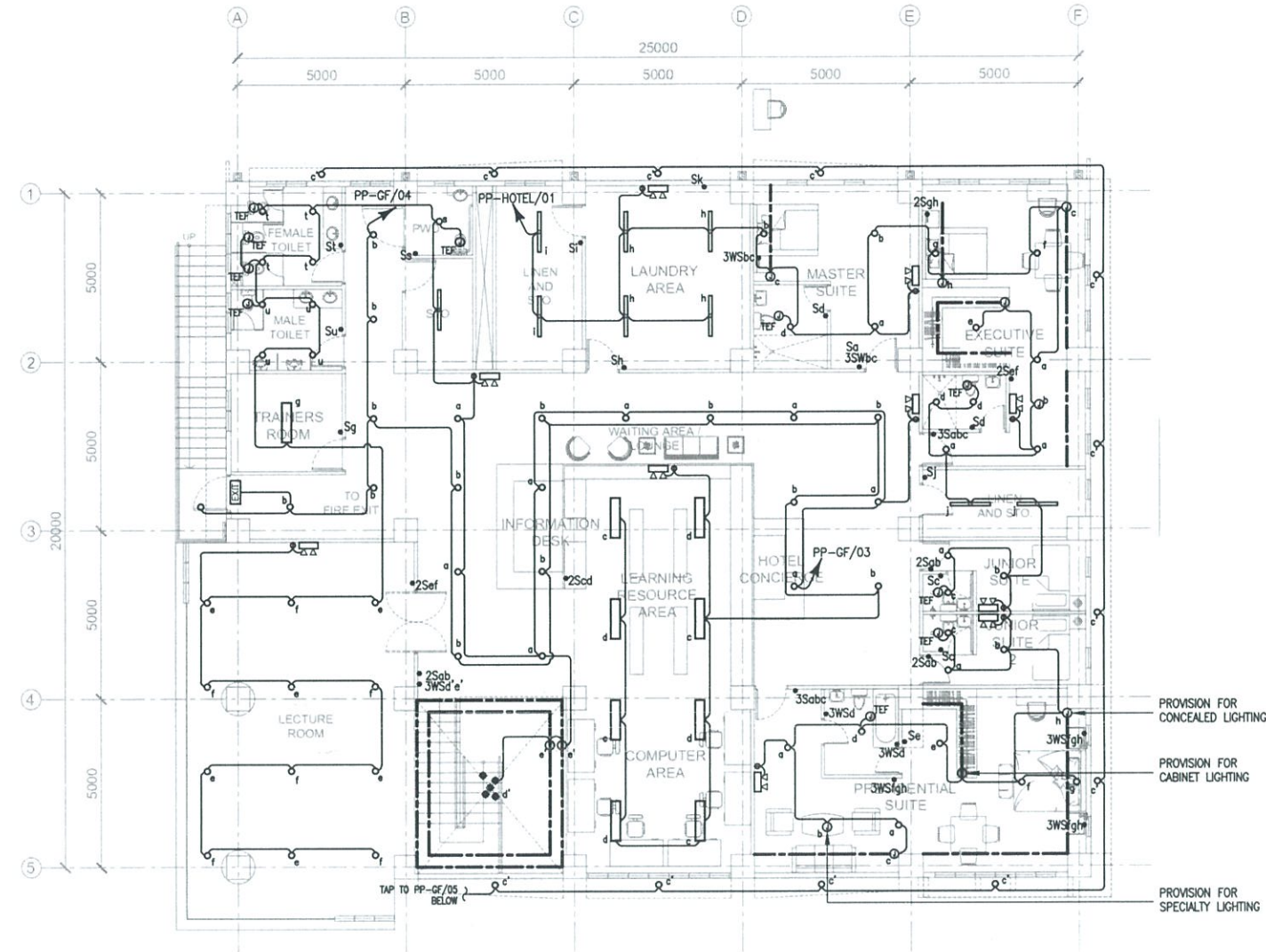
PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDATU, Ph.D.**  
 PMU-SIPTVETS

SHEET CONTENTS:  
 GROUND FLOOR LIGHTING LAYOUT


SHEET NO.  
**E-1**

LEGENDS AND SYMBOLS	
○	RECESSED MOUNTED, 13W LED DOWNLIGHT
⊙	RECESSED MOUNTED, 26W LED DOWNLIGHT
—	SURFACE MOUNTED, 1200mm, 20W LED FLUORESCENT LIGHT
□	2x20W, 300mmx1200mm, CEILING RECESSED FLUORESCENT LIGHTING FIXTURE WITH ACRYLIC DIFFUSER
●	PENDANT LIGHTING FIXTURE
⊗	100W HIGH BAY LIGHTING FIXTURE
⊕	TWIN-HEAD EMERGENCY LIGHT WITH 2HRS BATTERY BACK
EXIT	8W EXIT LIGHT WITH 2HRS BATTERY PACK
—	1.3W SUSPENDED LINEAR LIGHT
---	CONCEALED LIGHTING
S	1 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
2S	2 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
3S	3 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
●RU/RD	RISER UP/DOWN
⊙	JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)





TESDA INNOVATION CENTER - PPSAT  
**SECOND FLOOR LIGHTING LAYOUT**  
 SCALE: 1: 200 mm


**FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023**

PROJECT OWNER:  
  
**TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY**  
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City

PROJECT TITLE:  
**PROPOSED TESDA PPSAT INNOVATION CENTER**  
LOCATION: Sta. Monica, Purok Pinonka City, Pasig

ELECTRICAL ENGINEER:  
  
**ENGR. JOHN ADRIAN C. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION

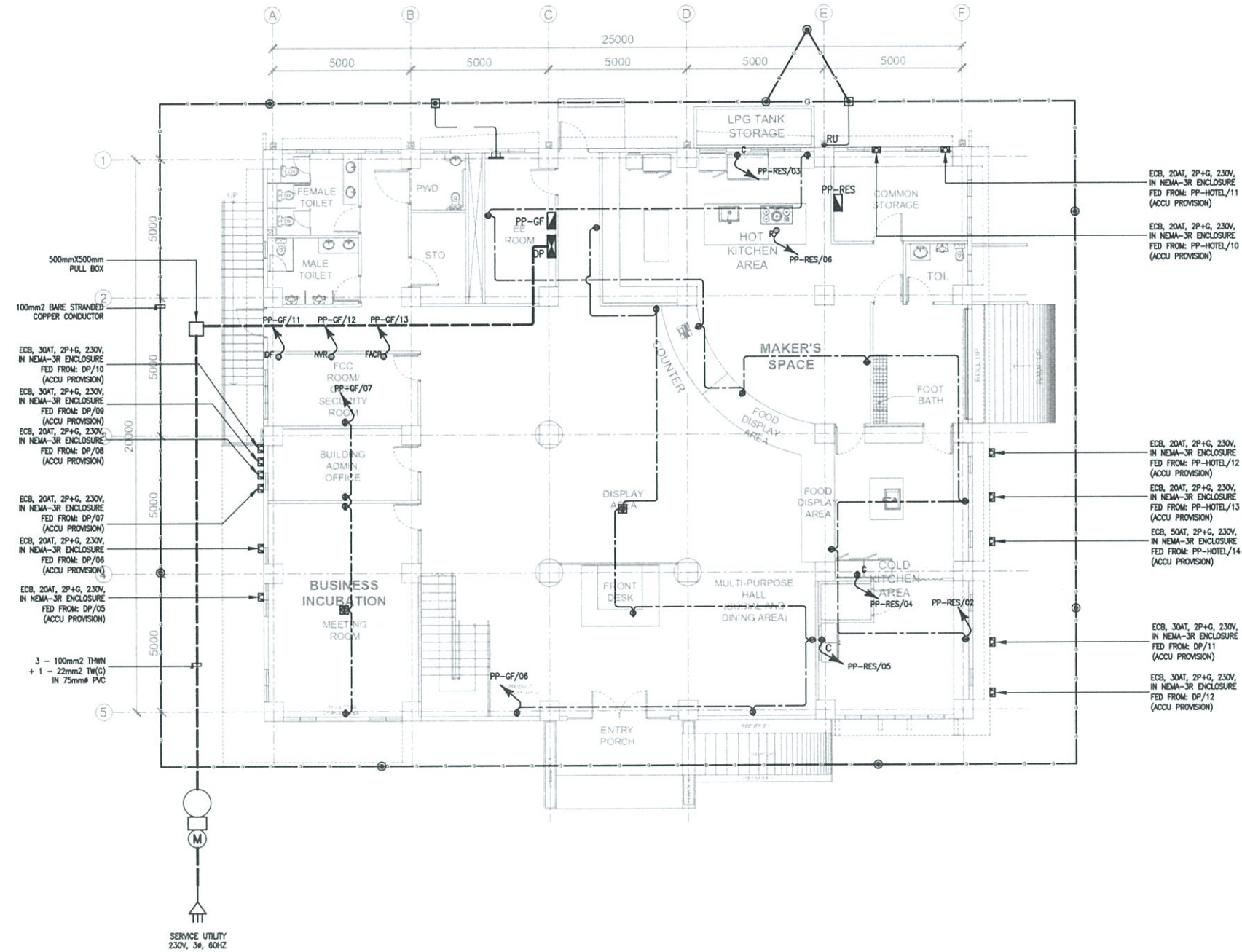
PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDATU, Ph.D.**  
 PMU-SIPTVETS

SHEET CONTENTS:  
 2ND FLOOR LIGHTING LAYOUT

SHEET NO.  
**E-2**

LEGENDS AND SYMBOLS	
⊕	DUPLEX CONVENIENCE OUTLET
⊕	FLOOR MOUNTED CONVENIENCE OUTLET
⊕	SIMPLEX CONVENIENCE OUTLET
⊕ HD	HAND DRYER PROVISION
⊙	SPECIAL PURPOSE OUTLET
⊕	JUNCTION BOX
⊔	DISCONNECT SWITCH
⊔	ENCLOSED CIRCUIT BREAKER
⊔	DISTRIBUTION PANEL
⊔	PANELBOARD
⊔	GROUND BAR
⊔	GROUND ROD WITH TESTING PIT
⊔	GROUND ROD
⊕ RU/RD	RISER UP/DOWN
⊕	EARLY STREAMER EMISSION LIGHTNING PROTECTION



TESDA INNOVATION CENTER - PPSAT  
GROUND FLOOR GROUNDING & POWER LAYOUT

SCALE:

1: 200 mm

FOR APPROVAL PLANS OF  
REGIONAL TVET INNOVATION  
CENTERS (RTICs) 2023



PROJECT OWNER:  
TECHNICAL EDUCATION  
AND  
SKILLS DEVELOPMENT  
AUTHORITY

PROJECT TITLE:  
PROPOSED TESDA PPSAT  
INNOVATION CENTER

LOCATION: Sta. Monica, Puerto Princesa City, Palawan

ELECTRICAL ENGINEER:  
  
ENGR. JOHN ADRIAN C. SANTOS  
PMU-SIPTVETS  
ENGINEERING SECTION

PROJECT MANAGER:  
  
DIR. ENRIQUE C. BANARIO  
PMU-SIPTVETS

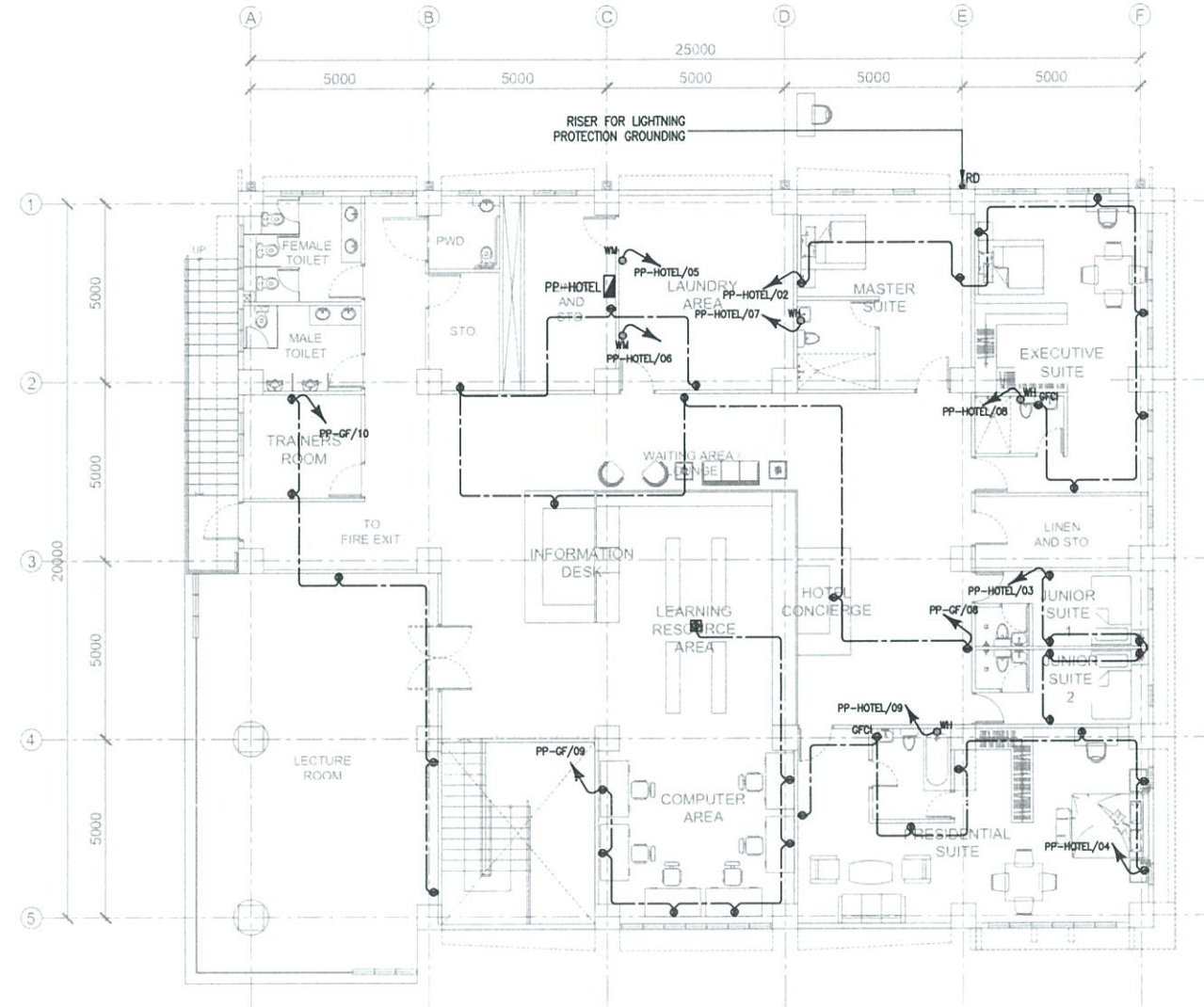
PROJECT DIRECTOR:  
  
SEC. SUHARTO T. MANGUDADATU, Ph.D.  
PMU-SIPTVETS

SHEET CONTENTS:  
GROUND FLOOR GROUNDING &  
POWER LAYOUT

SHEET NO.  
E-3



LEGENDS AND SYMBOLS	
⊕	DUPLEX CONVENIENCE OUTLET
⊕	FLOOR MOUNTED CONVENIENCE OUTLET
⊕	SIMPLEX CONVENIENCE OUTLET
⊕ HD	HAND DRYER PROVISION
⊙	SPECIAL PURPOSE OUTLET
⊙	JUNCTION BOX
⊠	DISCONNECT SWITCH
⊠	ENCLOSED CIRCUIT BREAKER
⊠	DISTRIBUTION PANEL
⊠	PANELBOARD
⊠	GROUND BAR
⊠	GROUND ROD WITH TESTING PIT
⊠	GROUND ROD
⊕ RU/RD	RISER UP/DOWN
⊕	EARLY STREAMER EMISSION LIGHTNING PROTECTION



TESDA INNOVATION CENTER - PPSAT  
**SECOND FLOOR POWER LAYOUT**



SCALE:

1: 200 mm


**FOR APPROVAL PLANS OF  
 REGIONAL TVET INNOVATION  
 CENTERS (RTICs) 2023**

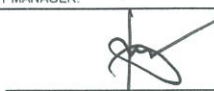
PROJECT OWNER:  
  
**TECHNICAL EDUCATION  
 AND  
 SKILLS DEVELOPMENT  
 AUTHORITY**


MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City

PROJECT TITLE:  
**PROPOSED TESDA PPSAT  
 INNOVATION CENTER**

LOCATION: Sta Monica, Puerto Princesa City, Palawan

ELECTRICAL ENGINEER:  
  
**ENGR. JOHN ADRIAN C. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION

PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

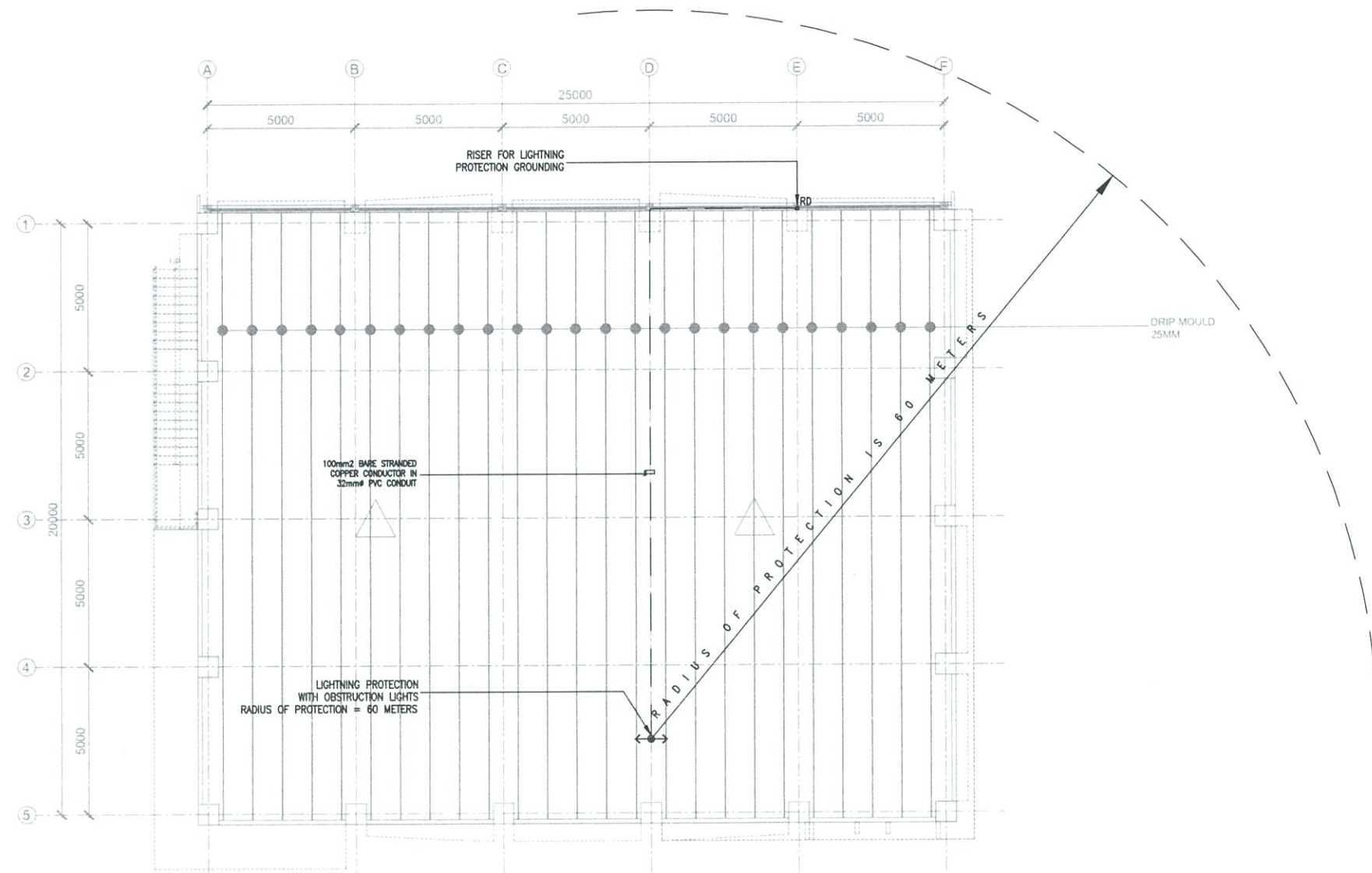
PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDADATU, Ph.D.**  
 PMU-SIPTVETS

SHEET CONTENTS:  
 2ND FLOOR POWER LAYOUT

SHEET NO.


**E-4**

LEGENDS AND SYMBOLS	
⊕	DUPLEX CONVENIENCE OUTLET
⊕	FLOOR MOUNTED CONVENIENCE OUTLET
⊕	SIMPLEX CONVENIENCE OUTLET
⊕ HD	HAND DRYER PROVISION
⊙	SPECIAL PURPOSE OUTLET
⊙	JUNCTION BOX
⊠	DISCONNECT SWITCH
⊠	ENCLOSED CIRCUIT BREAKER
⊠	DISTRIBUTION PANEL
⊠	PANELBOARD
⊠	GROUND BAR
⊠	GROUND ROD WITH TESTING PIT
⊙	GROUND ROD
⊕RU/RD	RISER UP/DOWN
←⊕→	EARLY STREAMER EMISSION LIGHTNING PROTECTION





TESDA INNOVATION CENTER - PPSAT  
**ROOF LIGHTNING PROTECTION LAYOUT**  
 SCALE: 1: 200 mm


**FOR APPROVAL PLANS OF  
 REGIONAL TVET INNOVATION  
 CENTERS (RTICs) 2023**

PROJECT OWNER:  
  
**TECHNICAL EDUCATION  
 AND  
 SKILLS DEVELOPMENT  
 AUTHORITY**

PROJECT TITLE:  
**PROPOSED TESDA PPSAT  
 INNOVATION CENTER**

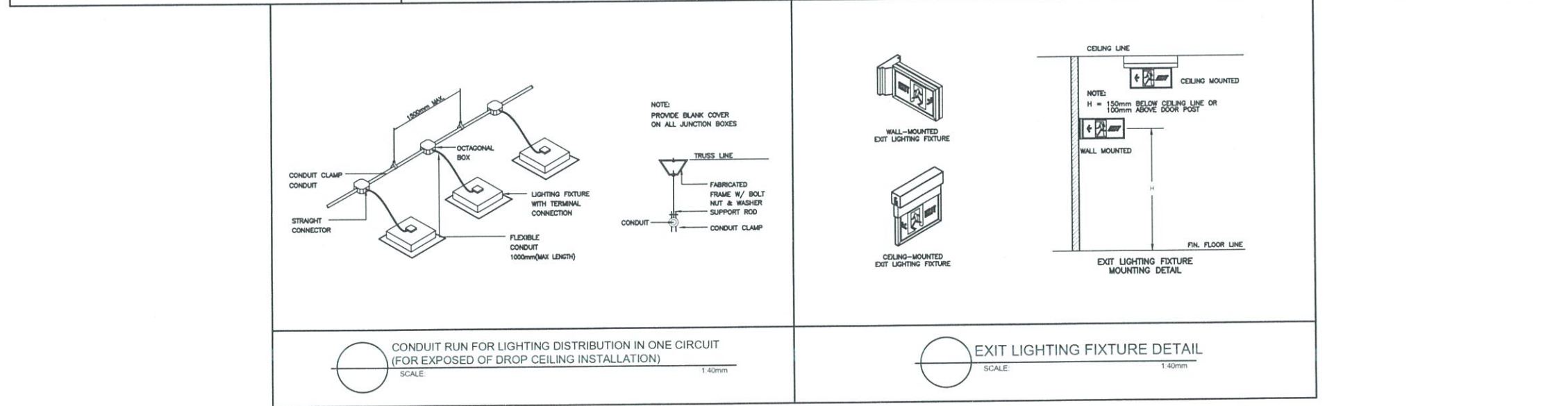
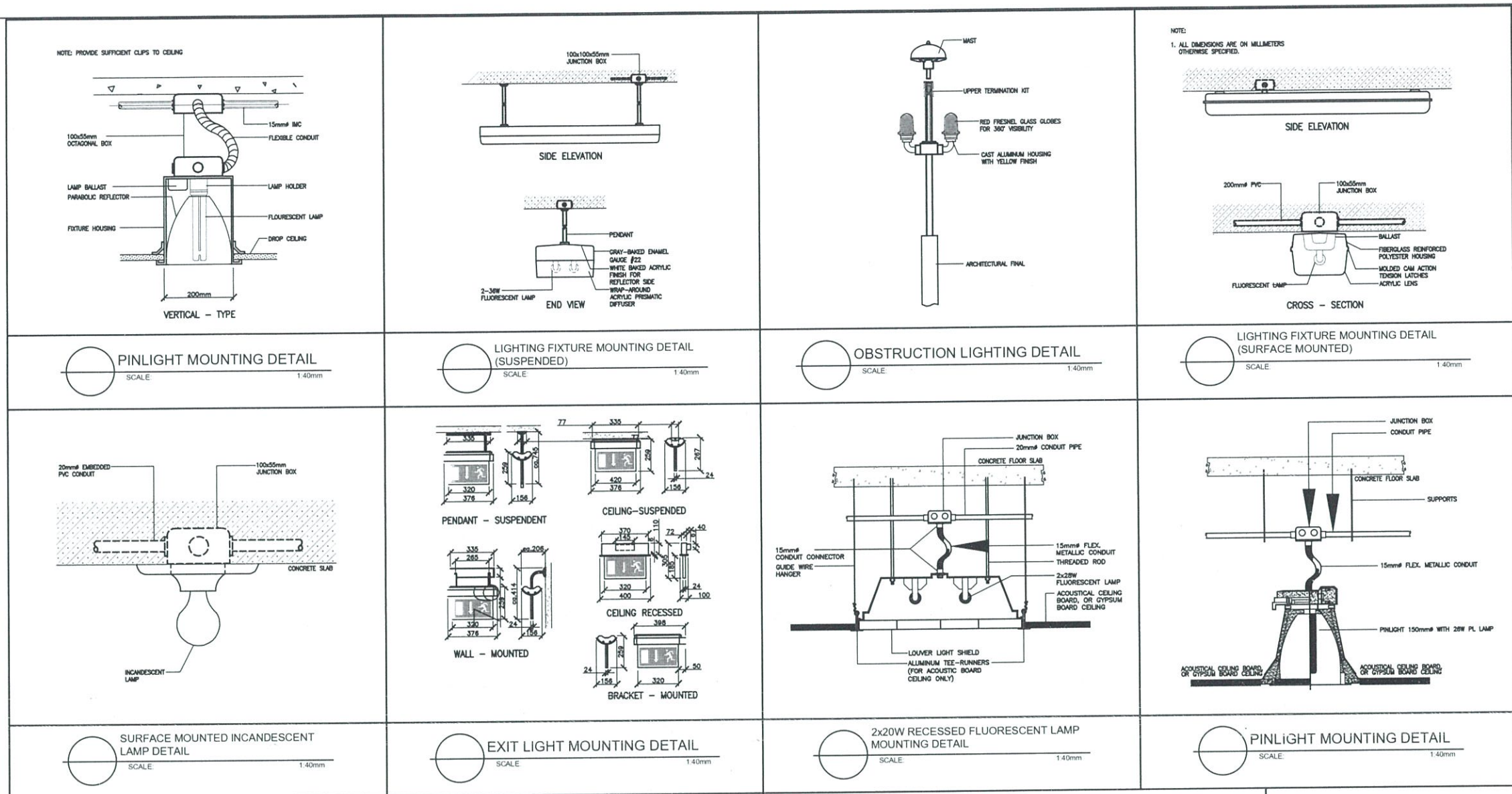
ELECTRICAL ENGINEER:  
  
**ENGR. JOHN ADRIAN G. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION





PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

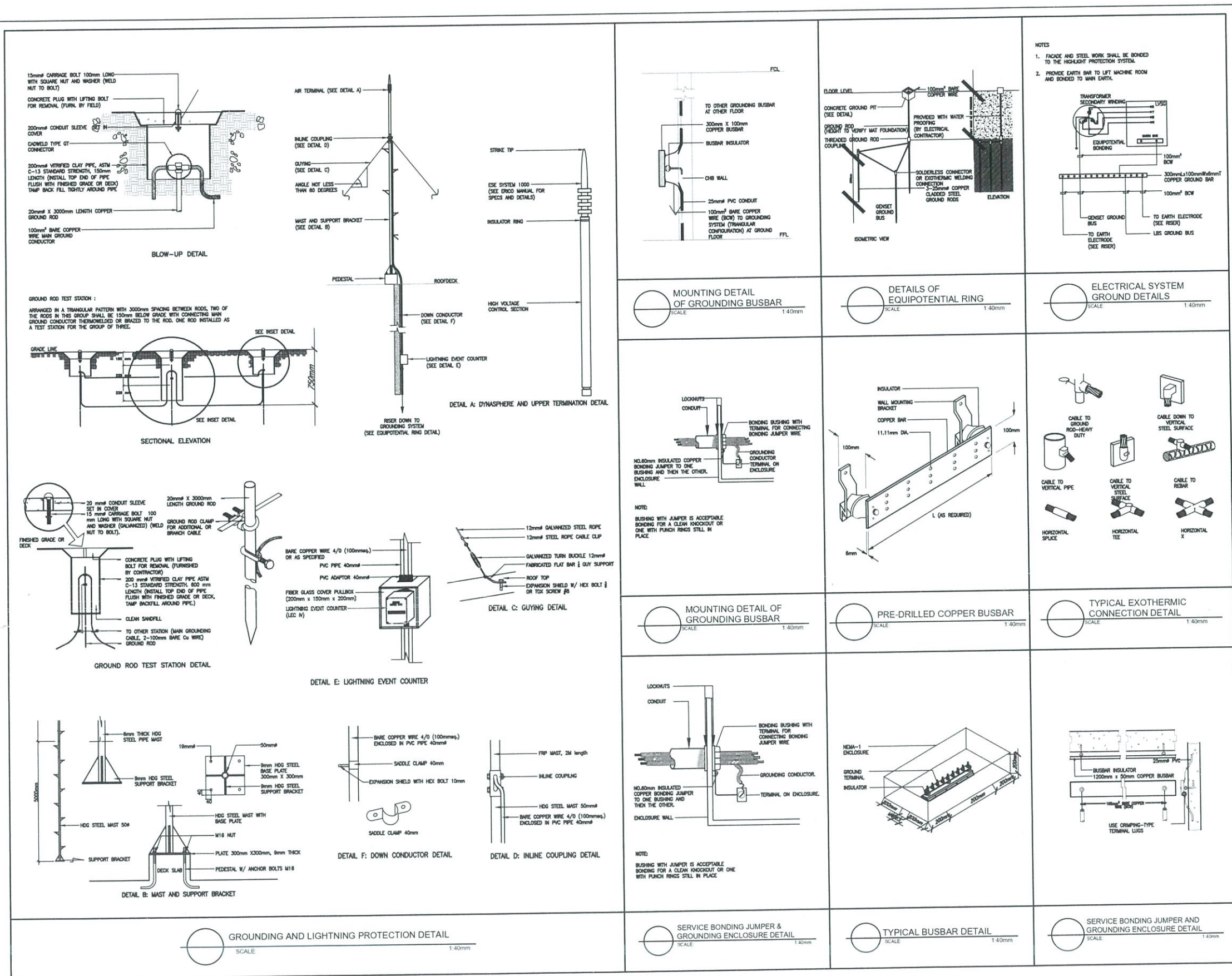
PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDATU, Ph.D.**  
 PMU-SIPTVETS

SHEET CONTENTS:  
 ROOF LIGHTNING PROTECTION LAYOUT


SHEET NO.  
**E-5**




<b>FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023</b>	<b>PROJECT OWNER:</b>  <b>TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY</b> <small>MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road NLEX, Tagaytay City</small>	<b>PROJECT TITLE:</b> <b>PROPOSED TESDA PPSAT INNOVATION CENTER</b> <small>LOCATION: Sta. Monica, Puerto Princesa City, Palawan</small>	<b>ELECTRICAL ENGINEER:</b>  <b>ENGR. JOHN ADRIAN S. SANTOS</b> PMU-SIPTVETS ENGINEERING SECTION	<b>PROJECT MANAGER:</b>  <b>DIR. ENRICO C. BANARIO</b> PMU-SIPTVETS	<b>PROJECT DIRECTOR:</b>  <b>SEC. SUHARTO T. MANGUDATU, Ph.D.</b> PMU-SIPTVETS	<b>SHEET CONTENTS:</b> MISCELLANEOUS DETAILS - TYPICAL LIGHTING DETAILS	<b>SHEET NO.</b> <b>E-6</b>
	<small>FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023</small>						




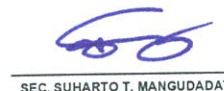
**FOR APPROVAL PLANS OF REGIONAL TVET INNOVATION CENTERS (RTICs) 2023**

PROJECT OWNER:  
  
**TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY**  
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road 9002, Taguig City

PROJECT TITLE:  
**PROPOSED TESDA PPSAT INNOVATION CENTER**  
LOCATION: Sta. Monica, Puerto Princesa City, Palawan

ELECTRICAL ENGINEER:  
  
**ENGR. JOHN ADRIAN E. SANTOS**  
 PMU-SIPTVETS  
 ENGINEERING SECTION

PROJECT MANAGER:  
  
**DIR. ENRICO C. BANARIO**  
 PMU-SIPTVETS

PROJECT DIRECTOR:  
  
**SEC. SUHARTO T. MANGUDADATU, Ph.D.**  
 PMU-SIPTVETS

SHEET CONTENTS:  
 MISCELLANEOUS DETAILS - TYPICAL GROUNDING AND LIGHTNING PROTECTION DETAILS

SHEET NO.  
**E-7**