



FOUNDATION 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, Ecol Service Road SLEX, Taguig City.

PROJECT TITLE:

**PROPOSED TESDA SOCCSKSARGEN
INNOVATION CENTER**

LOCATION: SPRING, ALABEL CITY, SARANGGANI PROVINCE

CIVIL ENGINEER:




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

PROJECT MANAGER:



DIR. ENRICO C. BANARIO
PMU-SIPTVETS

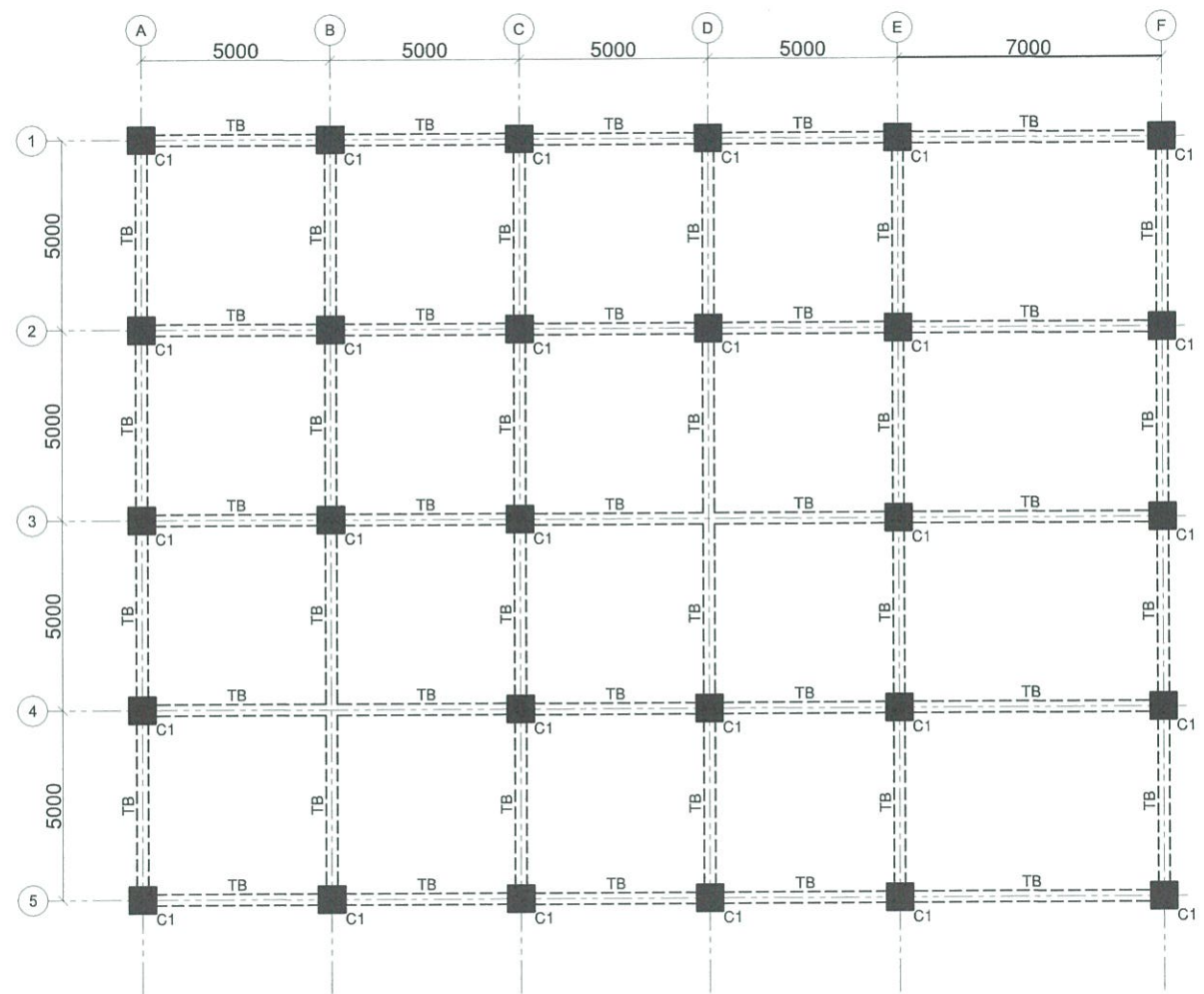
PROJECT DIRECTOR:



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

SHEET CONTENTS:
FOOTING SCHEDULE


SHEET NO.
S-8




GROUND FLOOR FRAMING PLAN
 SCALE: _____ 1:200 MTS

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

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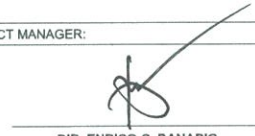
LOCATION: SPRING, ALABEL CITY, SARANGANI PROVINCE

CIVIL ENGINEER:




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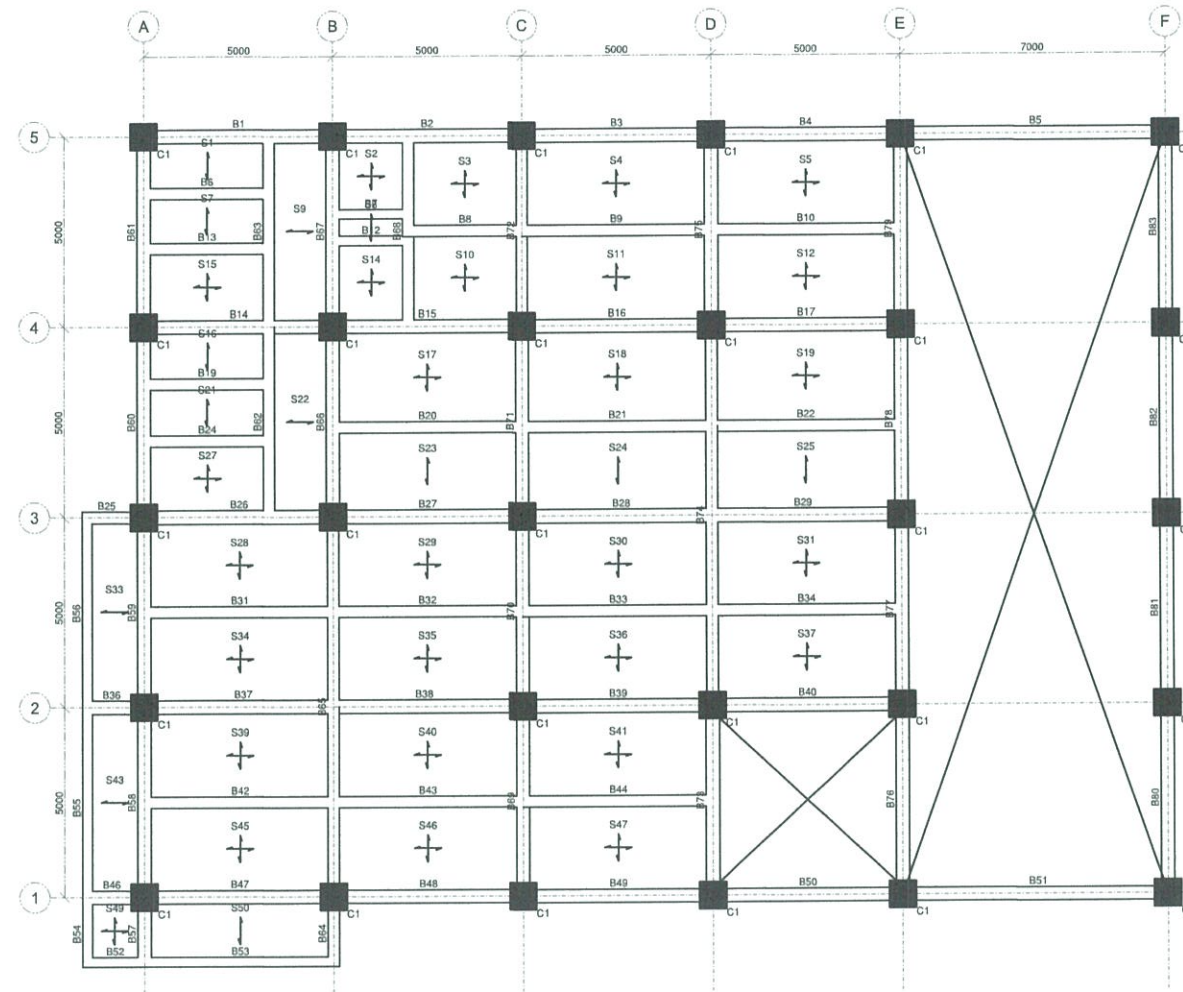
SEC. SUHARTO T. MANGUDATU, Ph.D.
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 SECRETARY, TESDA

SHEET CONTENTS:

GROUND FLOOR FRAMING PLAN

SHEET NO.

S-9



SECOND FLOOR FRAMING PLAN
 SCALE: _____ 1:200 MTS

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

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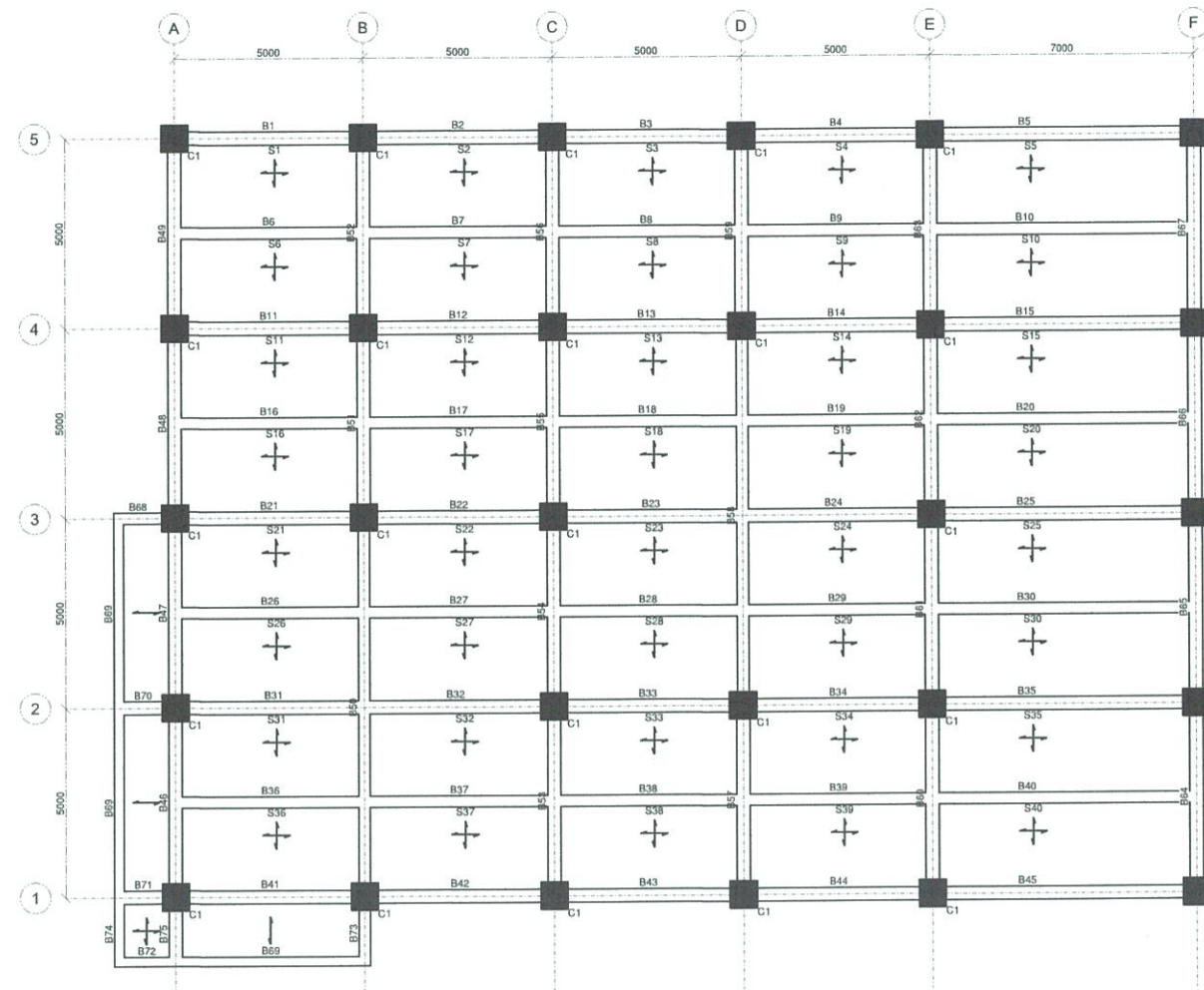
DIR. ENRIQUE C. BANARIO
PMU-SIPTVETS

PROJECT DIRECTOR:

SEC. SUHARTO T. MANGUDATU, 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

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ENGINEERING SECTION

PROJECT MANAGER:

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PROJECT DIRECTOR:

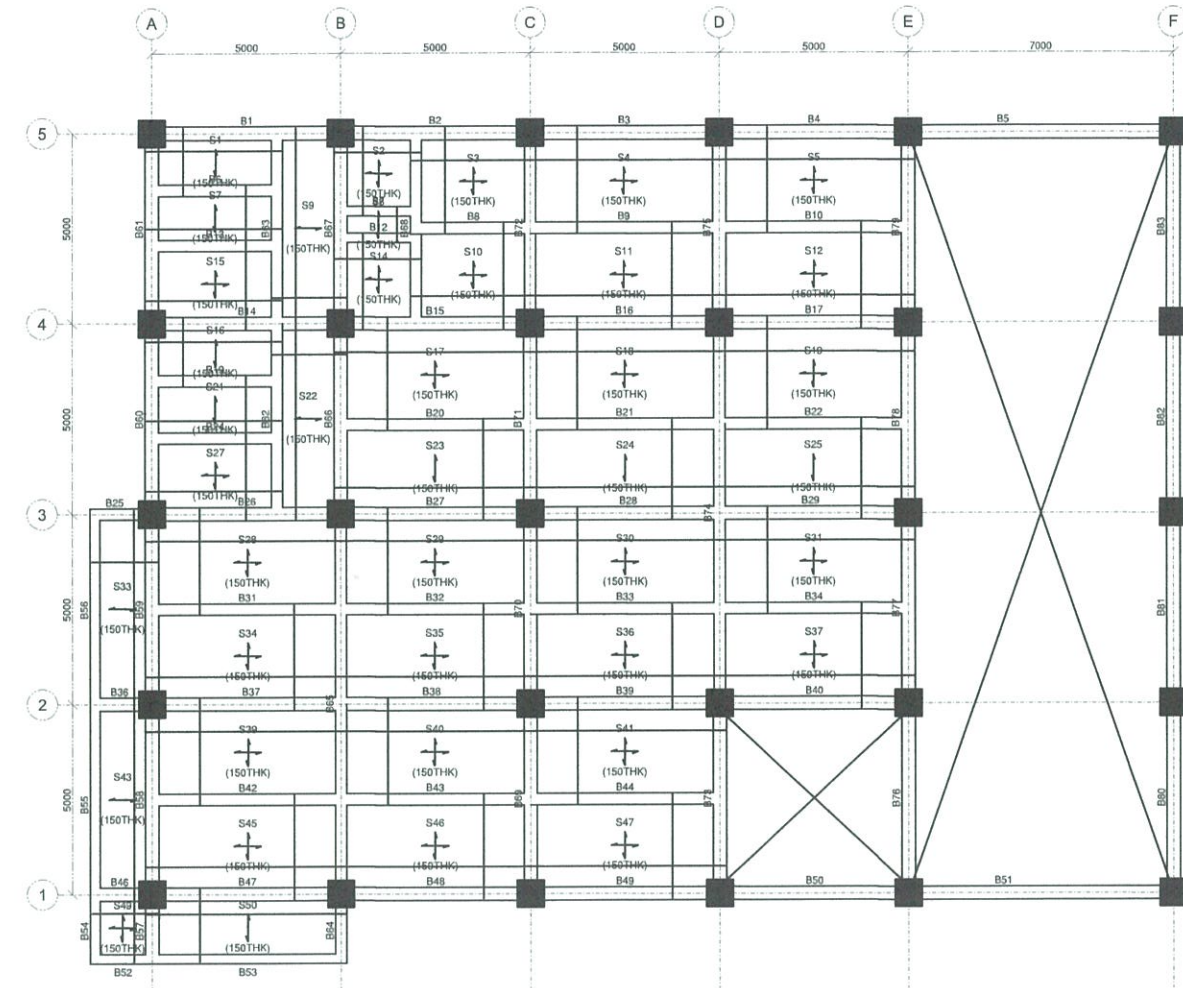
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SHEET CONTENTS:
 ROOF DECK FLOOR FRAMING PLAN

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, S33, S43 S50	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S2, S13, S15 S20, S27, S32 S30, S41	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S3, S4, S5, S6 S37, S46, S47 S49	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S7, S8, S9, S16 S21, S22, S23 S24, S25, S26	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	---	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S10, S11, S12 S14, S17, S18 S19, S28, S29 S30, S31, S34 S35, S36, S39 S40, S45	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C
S42	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	---	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S48	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C	Ø12 @ 225 C/C



SLAB SCHEDULE - 5.6M
SCALE: NTS


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


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PROJECT TITLE:
PROPOSED TESDA SOCCSKSARGEN
INNOVATION CENTER
LOCATION: SPRING, ALABE, CITY, SARANGGANI PROVINCE

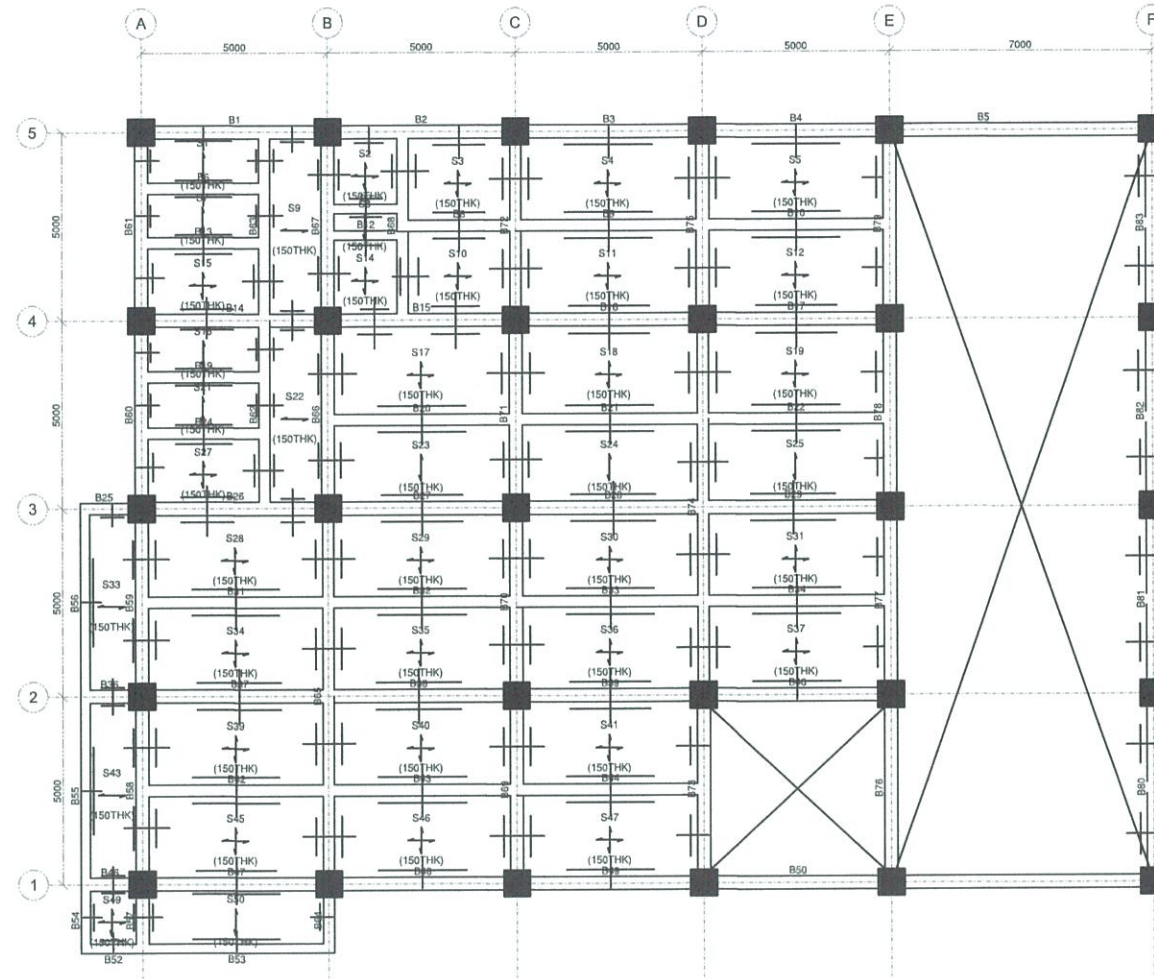
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ENGINEERING SECTION

PROJECT MANAGER:

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PMU-SIPTVETS

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PMU-SIPTVETS
SECRETARY, TESDA

SHEET CONTENTS:
SLAB SCHEDULE - 5.6M
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

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TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

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PROJECT TITLE:

PROPOSED TESDA SOCCSKSARGEN INNOVATION CENTER

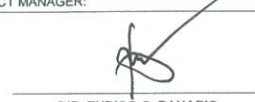
LOCATION: SPRING, ALABEL CITY, SARANGANI PROVINCE

CIVIL ENGINEER:




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PMU-SIPTVETS
ENGINEERING SECTION

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SHEET CONTENTS:

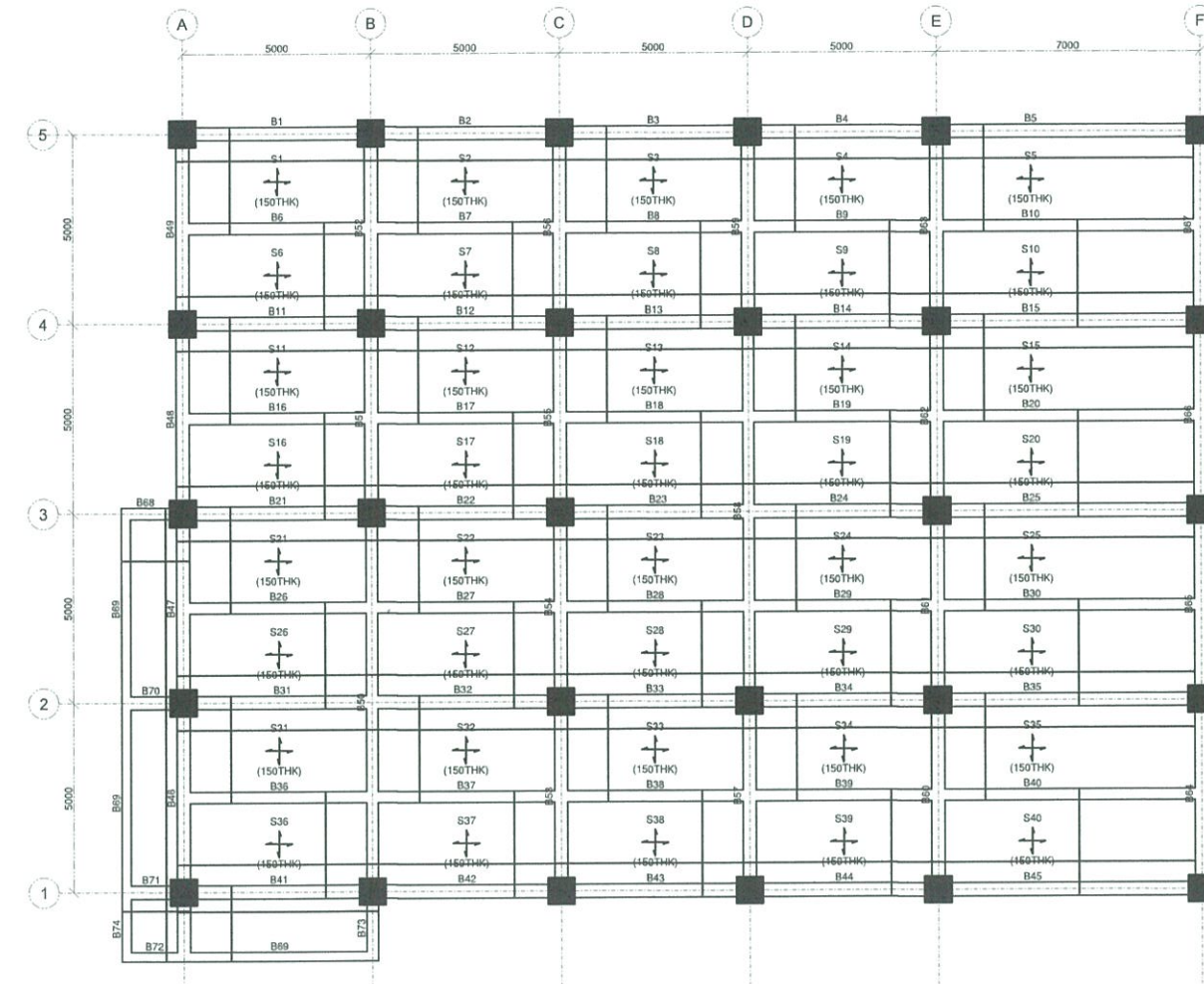
TOP REINFORCEMENT LAYOUT - 5.6M

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, S36, S37 S38, S39, S40	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S6, S10, S11 S15, S16, S20 S21, S25, S26 S30, S31, S35	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C
S7, S8, S9, S12 S13, S14, S17 S18, S19, S22 S23, S24, S27 S28, S29, S32 S33, S34	150	Ø12 @ 225 C/C	Ø12 @ 225 C/C	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C	---	Ø12 @ 225 C/C



SCALE: SLAB SCHEDULE - 9.2 M
NTS

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


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**PROPOSED TESDA SOCCSKSARGEN
INNOVATION CENTER**
LOCATION: SPRING ALABEL CITY, SARANGANI PROVINCE

CIVIL ENGINEER:

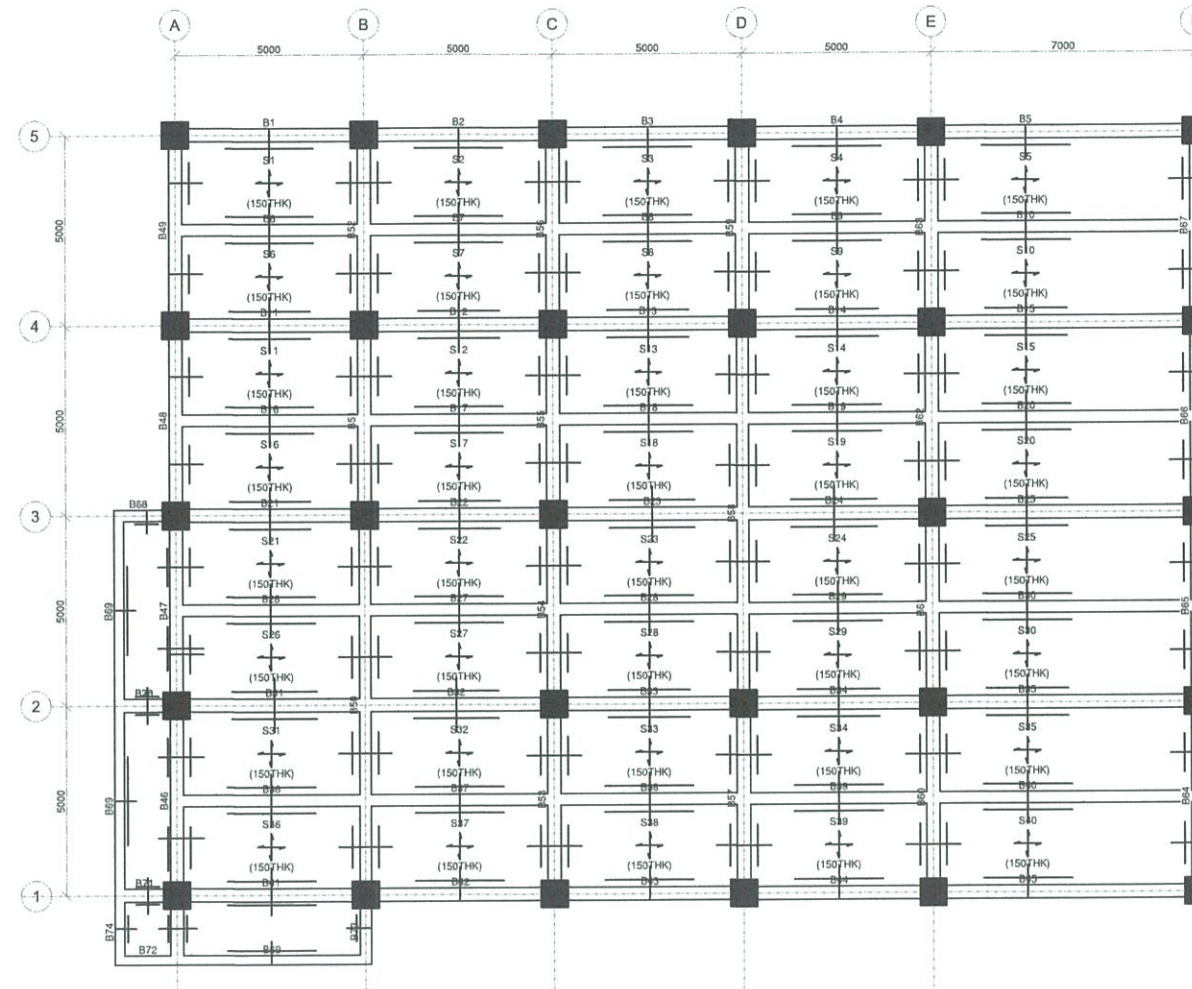
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PROJECT MANAGER:

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 PMU-SIPTVETS

PROJECT DIRECTOR:

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 PMU-SIPTVETS
 SECRETARY, TESDA

SHEET CONTENTS:
 SLAB SCHEDULE 9.2
 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

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

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PROPOSED TESDA SOCCSKSARGEN INNOVATION CENTER

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PMU-SIPTVETS
SECRETARY, TESDA

SHEET CONTENTS:

TOP REINFORCEMENT LAYOUT - 9.2M

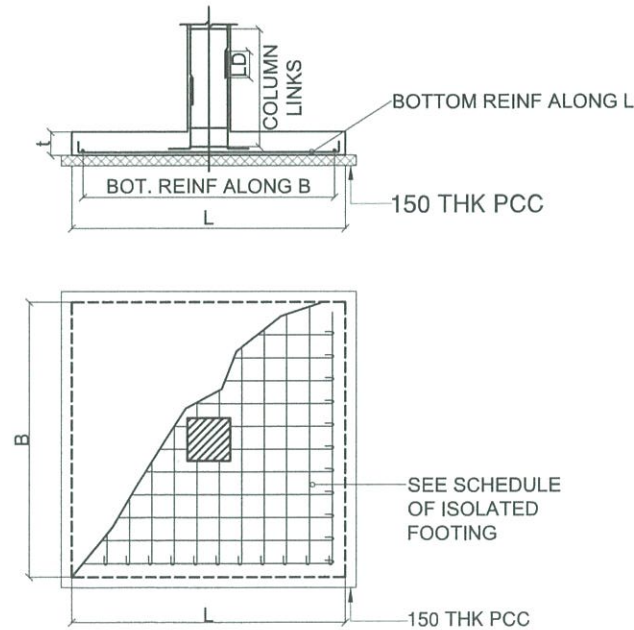
SHEET NO.

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	350	#25@300 C/C	#25@300 C/C
FC2	C1,C2	Pad	2500	2500	350	#25@300 C/C	#25@300 C/C

FOOTING SCHEDULE
SCALE: _____ NTS



ISOLATED FOOTING DETAIL
SCALE: _____ NTS

5.6M	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
TO	Z1 MAIN LINK Ø12 @ 150		Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150
9.2M	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
TO	Z1 MAIN LINK Ø12 @ 150		Z1 OTHERS Ø10 @ 150	Z2 LINKS Ø10 @ 150
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
TO	Z1 MAIN LINK Ø12 @ 150		Z1 OTHERS Ø10 @ 150	Z2 LINKS 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
TO	Z1 MAIN LINK Ø12 @ 150		Z1 OTHERS Ø10 @ 150	Z2 LINKS 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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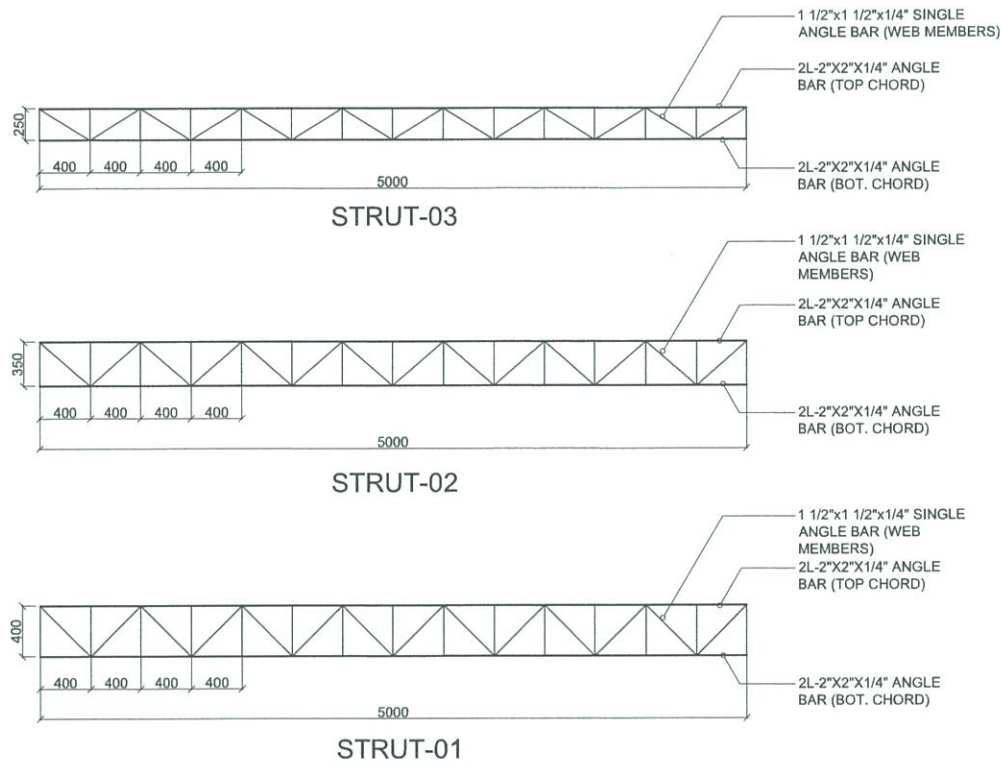
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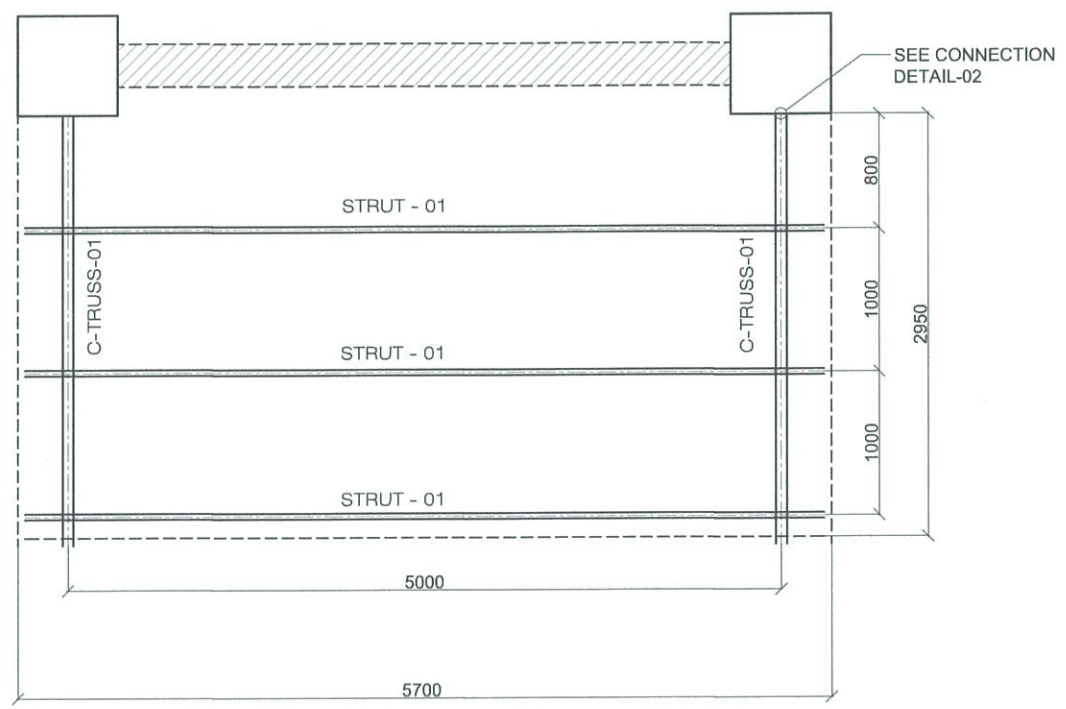
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SECRETARY, TESDA

SHEET CONTENTS:
ISOLATED FOOTING DETAIL
COLUMN SCHEDULE

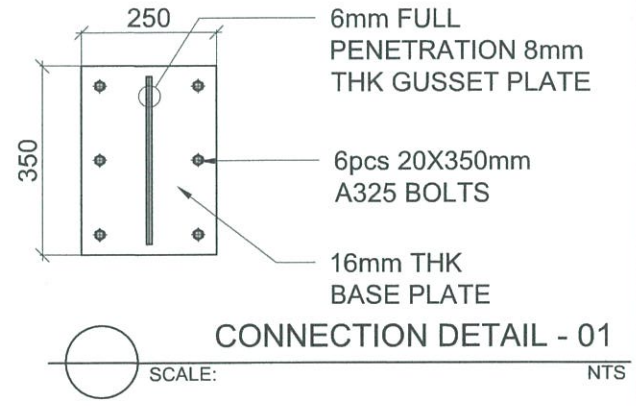
SHEET NO.
S-16



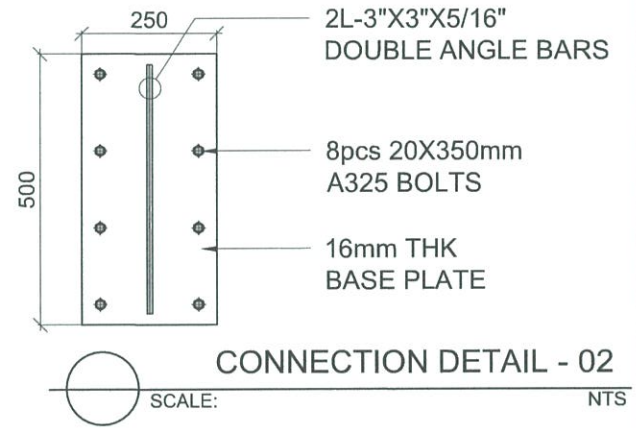
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SCALE: NTS



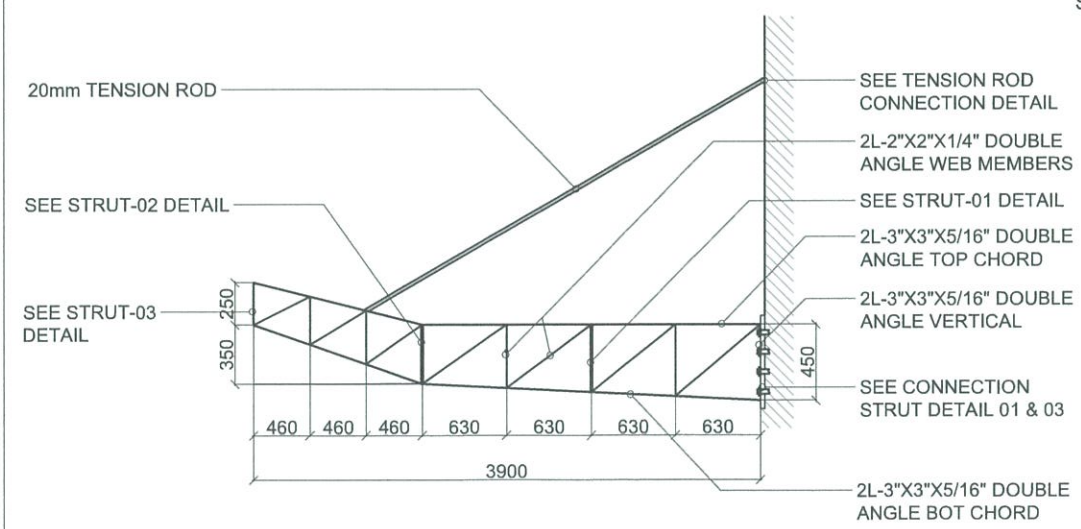
CANOPY PLAN
SCALE: NTS



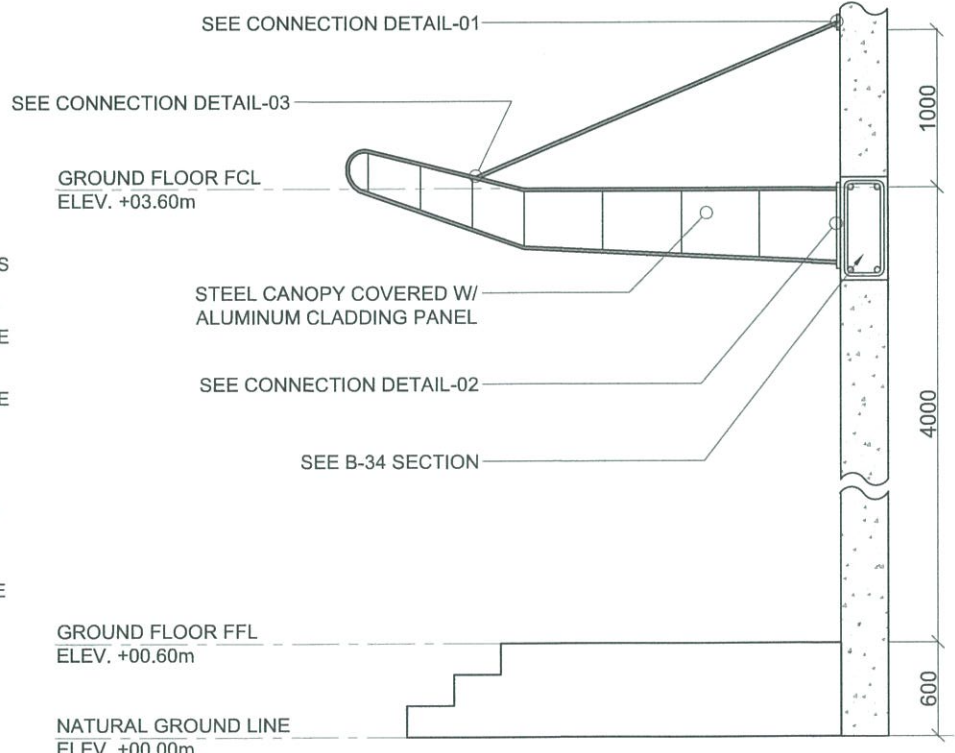
CONNECTION DETAIL - 01
SCALE: NTS



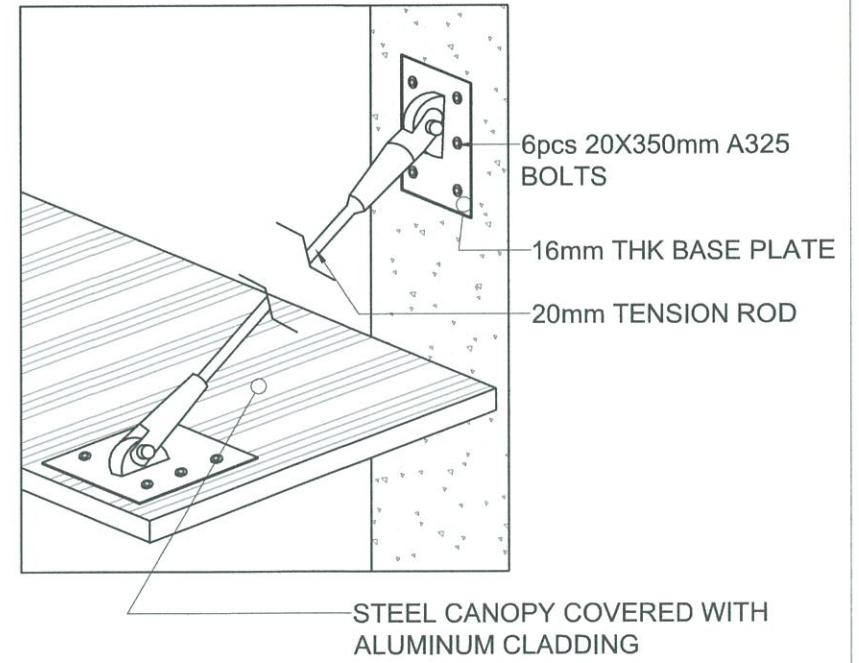
CONNECTION DETAIL - 02
SCALE: NTS



C-TRUSS DETAIL
SCALE: NTS



CANOPY ELEVATION / SECTION DETAIL
SCALE: NTS



CONNECTION DETAIL - 03
SCALE: NTS

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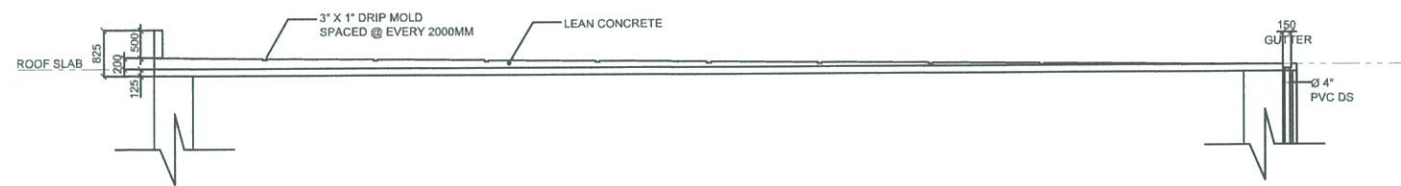
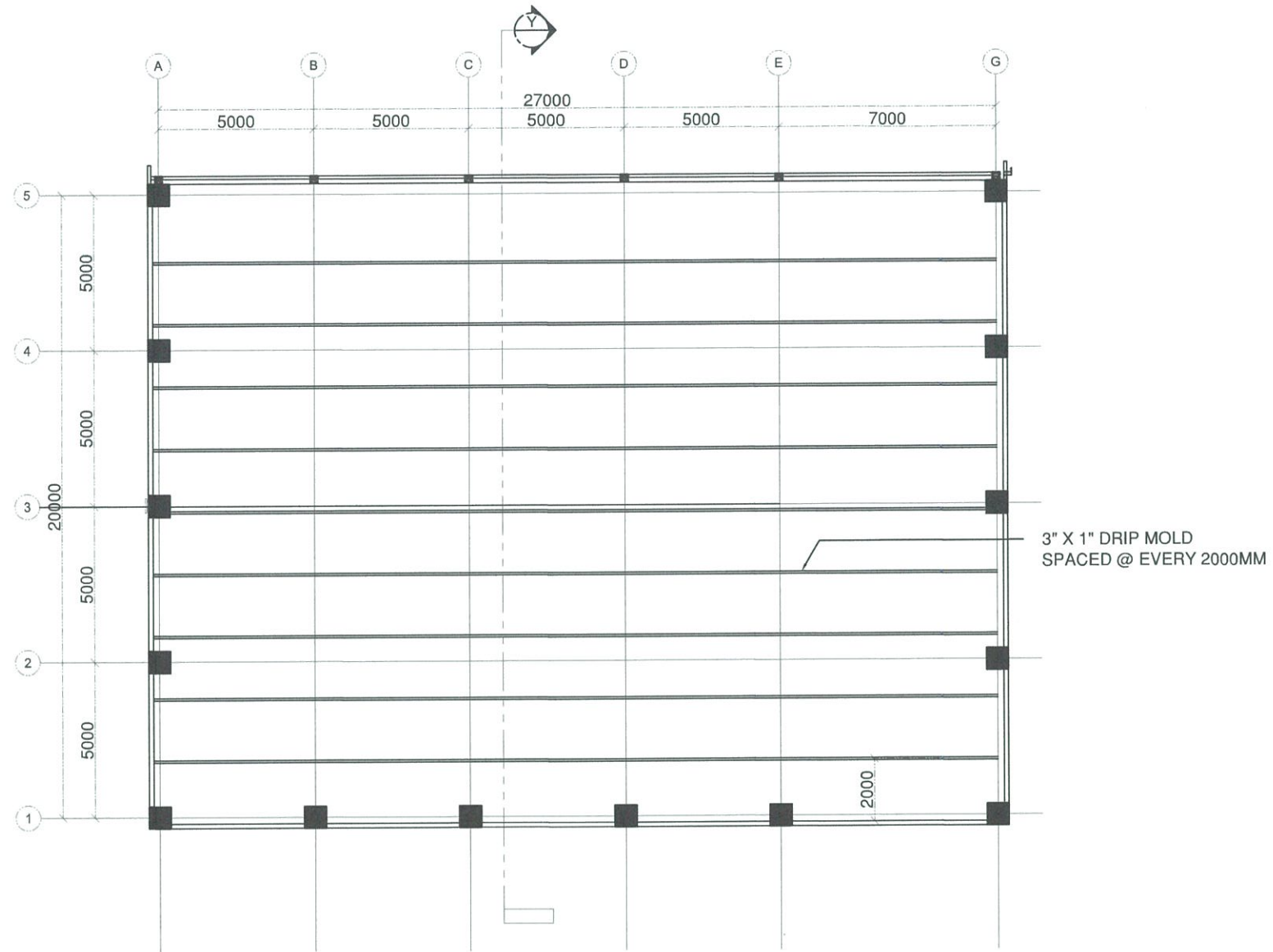
CIVIL ENGINEER:
[Signature]
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PROJECT DIRECTOR:
[Signature]
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SHEET CONTENTS:
STRUT DETAIL
C-TRUSS DETAIL
CANOPY PLAN
CANOPY ELEVATION PLAN
CONNECTION DETAIL - 01
CONNECTION DETAIL - 02
CONNECTION DETAIL - 03

SHEET NO.
S-18



ROOF DECK SECTION PLAN
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SHEET CONTENTS:
 ROOF DECK SECTION PLAN

SHEET NO.
S-19

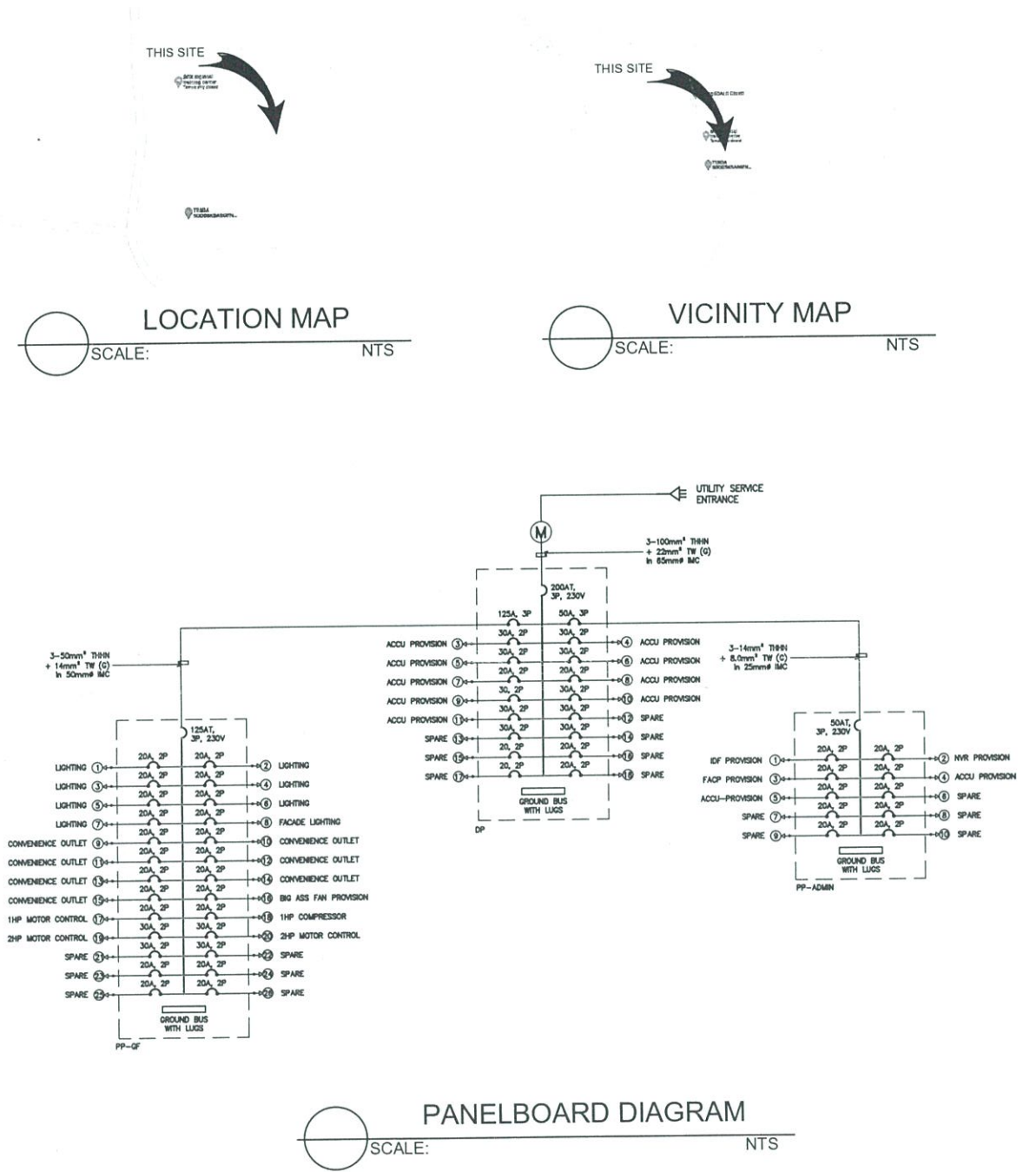
GENERAL NOTES AND SPECIFICATIONS

- ALL ELECTRICAL WORKS TO BE UNDERTAKEN HEREIN 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 80% OF ITS RATING.
- LIGHT CONTROL SWITCHES SHALL BE RATED 16 AMPERES, 230 VAC.
- 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(Ø) 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, 3Ø, 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. CATV OUTLET.....0.30m CENTER OF THE BOX
 - E. OFCI 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 CABELS....."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 WRITTEN 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 CEASED 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
KAC	KILOAMPERE INTERRUPTING CAPACITY
KVA	KILOVOLT-AMPERE
KWHR	KILOWATT-HOUR
KW	KILOWATT
KV	KILOVOLT
LA	LIGHTNING ARRESTER
LV	LOW VOLTAGE
3P	THREE POLE
UPVC	UNPLASTICIZED POLYVINYL CHLORIDE
V	VOLT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
C.L.	CONNECTED LOAD
Ø	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
TRWN	MOISTURE & HEAT RESISTANT THERMOPLASTIC
TYP	TYPICAL
TW	MOISTURE RESISTANT THERMOPLASTIC
LVSG	LOW VOLTAGE SWITCH GEAR
SP	SYNCRONIZING 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**
 MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road (LEX), Taguig City

PROJECT TITLE: **PROPOSED TESDA SOCCSKSARGEN INNOVATION CENTER**
 LOCATION: Spring Alabel, Sarangani Province

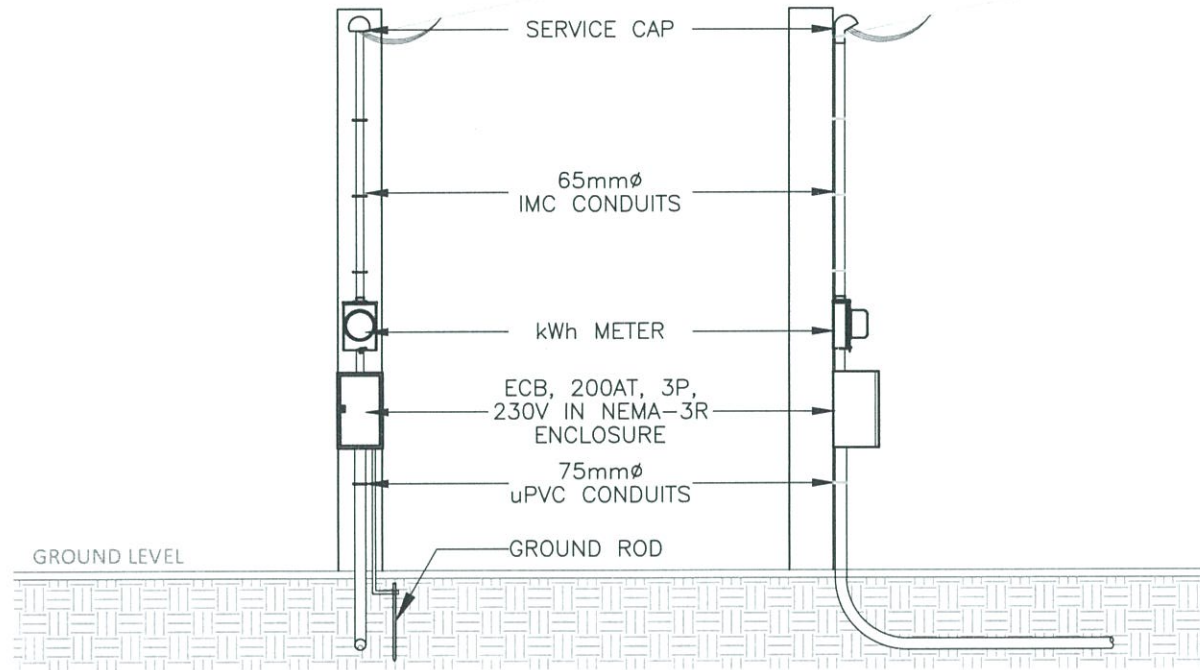
ELECTRICAL ENGINEER: 
ENGR. JOHN D. SANTOS
 PMU-SIPTVETS
 ENGINEERING SECTION

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

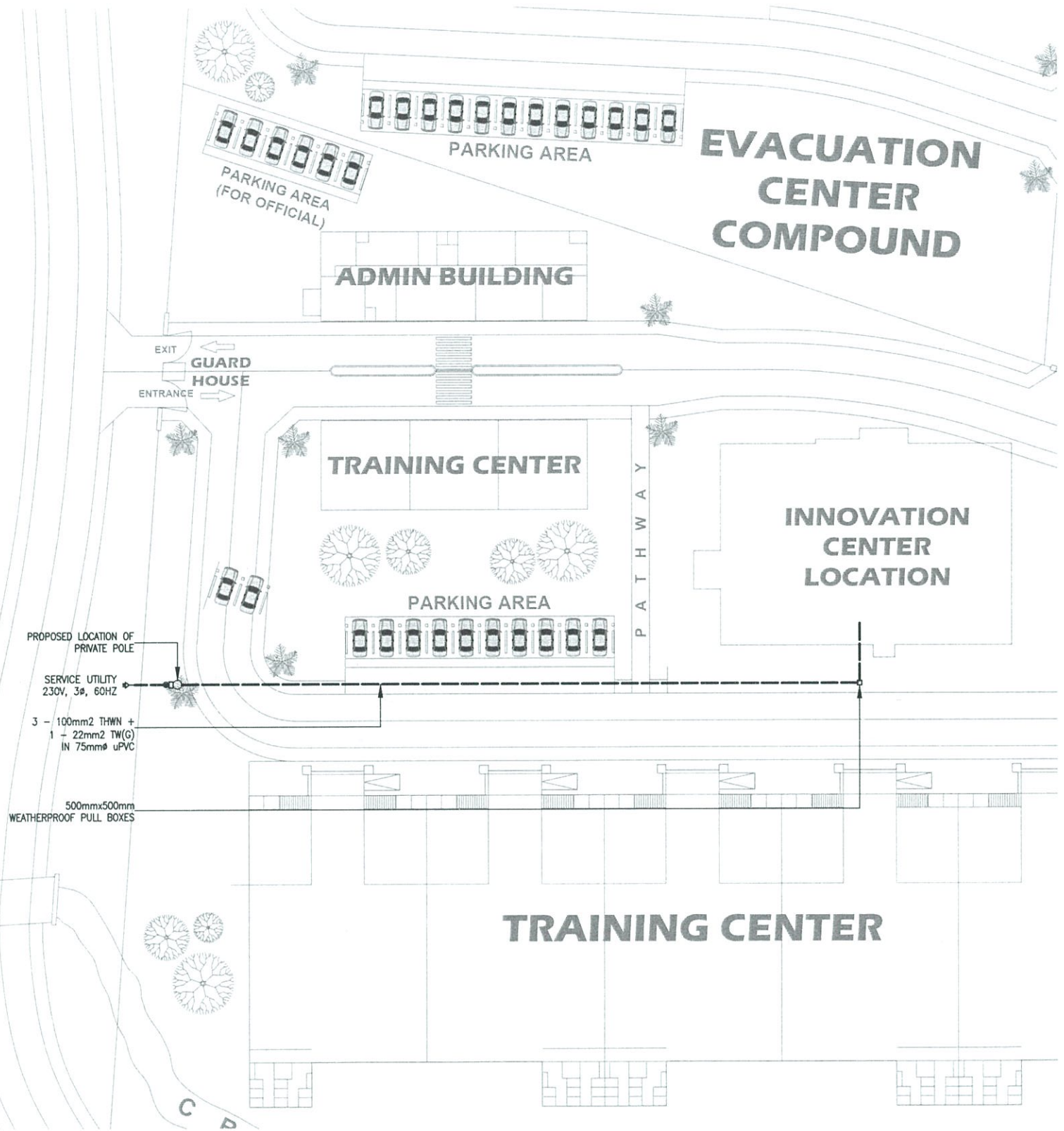
PROJECT DIRECTOR: 
SEC. SUHARTO T. MANGUDADATU, Ph.D.
 PMU-SIPTVETS

SHEET CONTENTS:
 GENERAL NOTES
 ABBREVIATION
 LOCATION & VICINITY MAP
 PANELBOARD DIAGRAM

SHEET NO. **E-0A**



CONCRETE PEDESTAL DETAILS
SCALE: 1:50MTS




ELECTRICAL SITE DEVELOPMENT PLAN
SCALE: 1:600MTS


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


PROJECT OWNER:

TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY

PROJECT TITLE:
PROPOSED TESDA SOCCSKSARGEN
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

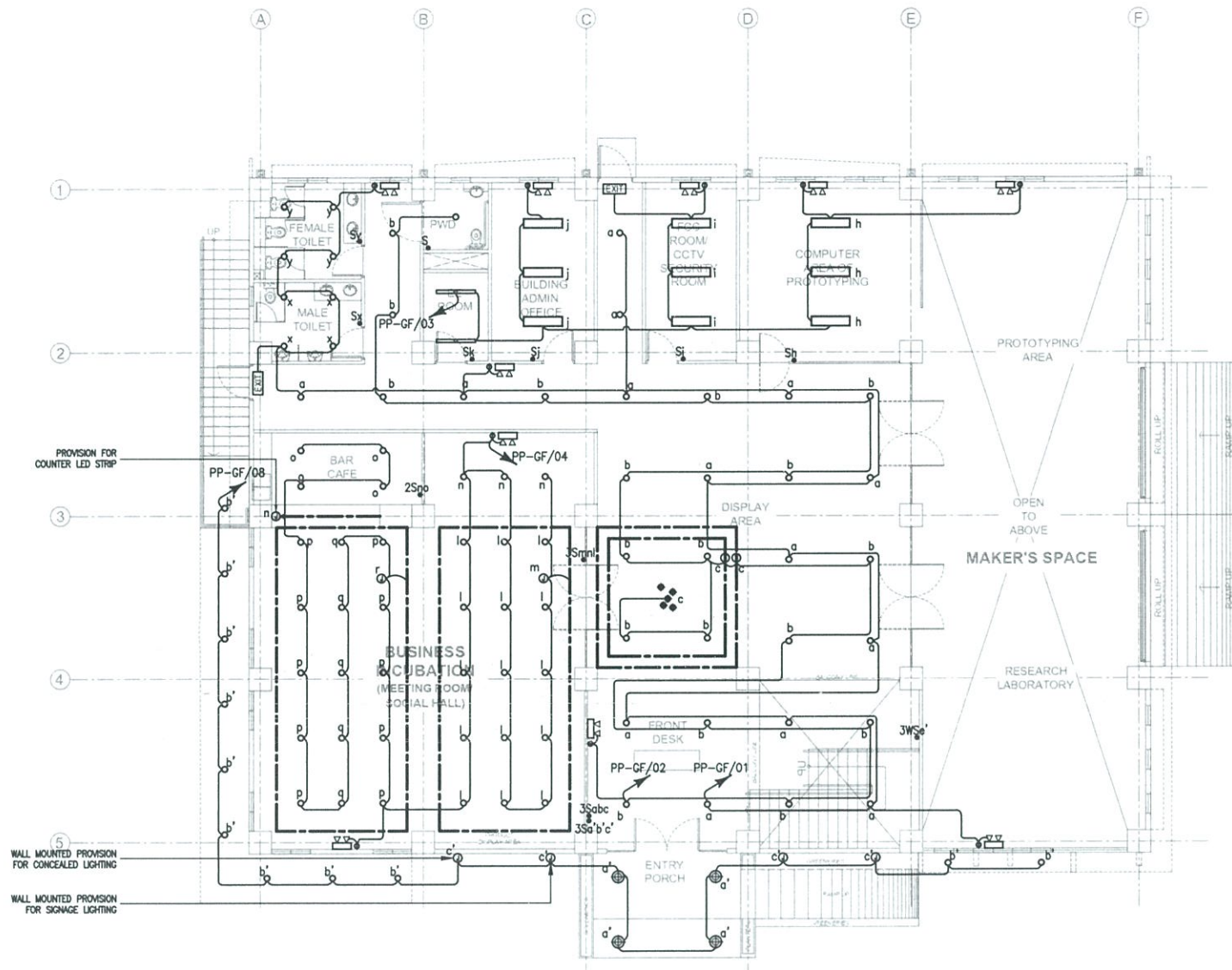
SHEET CONTENTS:
SITE DEVELOPMENT PLAN

SHEET NO.
E-0C

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

LOCATION: Spring Alabai, Sarangani Province

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 - TESDA-SOCCSKSARGEN
GROUND FLOOR LIGHTING LAYOUT



SCALE:

1: 200 mm

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



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

PROJECT TITLE:
PROPOSED TESDA SOCCSKSARGEN INNOVATION CENTER

LOCATION: Spring, Alabell, Sarangani Province

ELECTRICAL ENGINEER:

ENGR. JOHN ADRIAN C. SANTOS
PMU-SIPTVETS
ENGINEERING SECTION

PROJECT MANAGER:

DIR. ENRICO C. BANARIO
PMU-SIPTVETS

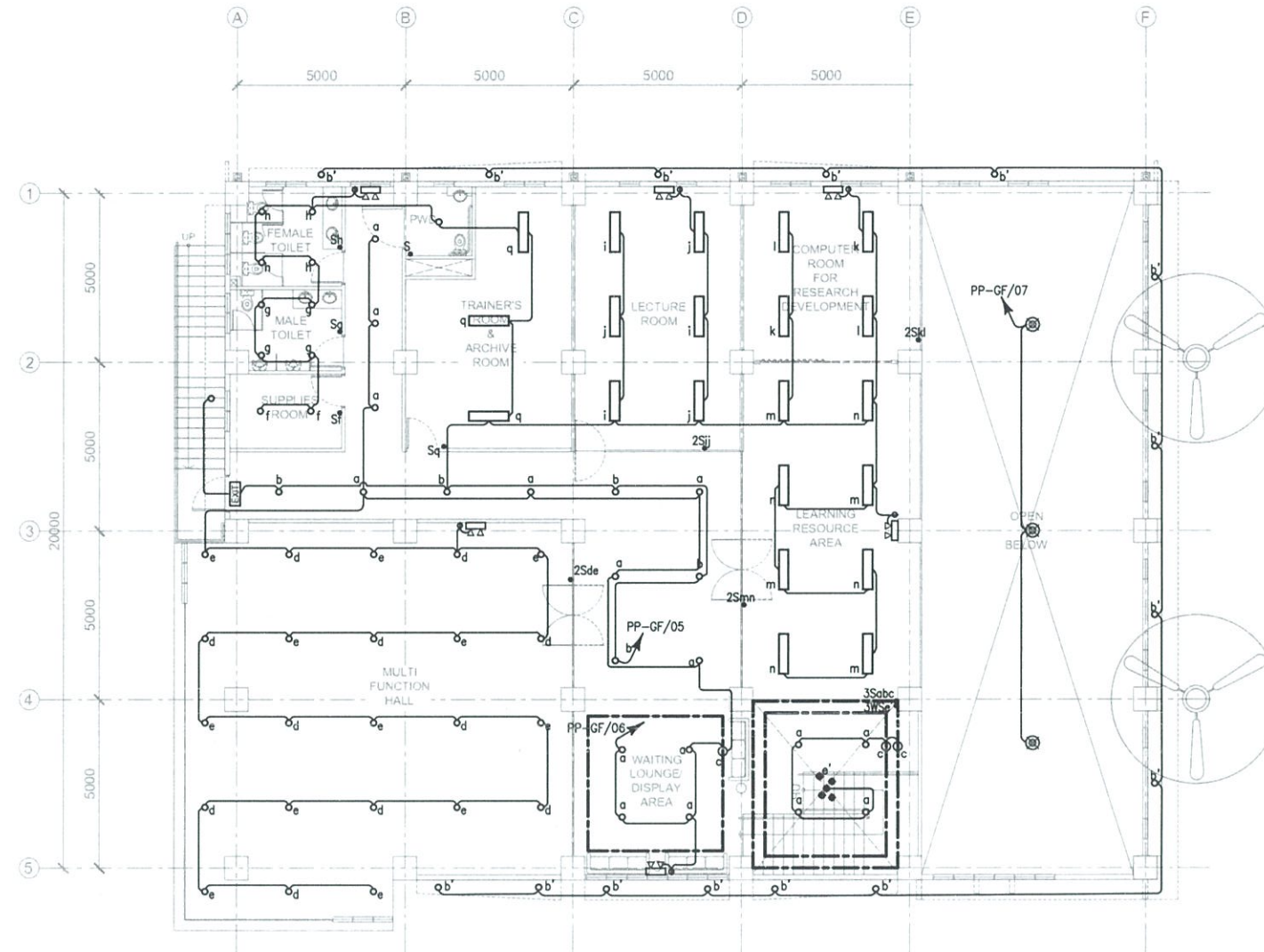
PROJECT DIRECTOR:

SEC. SUHARTO T. MANGUDADATU, Ph.D.
PMU-SIPTVETS

SHEET CONTENTS:
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
—	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 - TESDA-SOCCSKSARGEN
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 SOCCSKSARGEN INNOVATION CENTER
LOCATION: Spring, Abul, Sarangani Province

ELECTRICAL ENGINEER:

ENGR. JOHN ADRIAN C. SANTOS
 PMU-SIPTVETS
 ENGINEERING SECTION

PROJECT MANAGER:

DIR. ENRICO C. BANARIO
 PMU-SIPTVETS

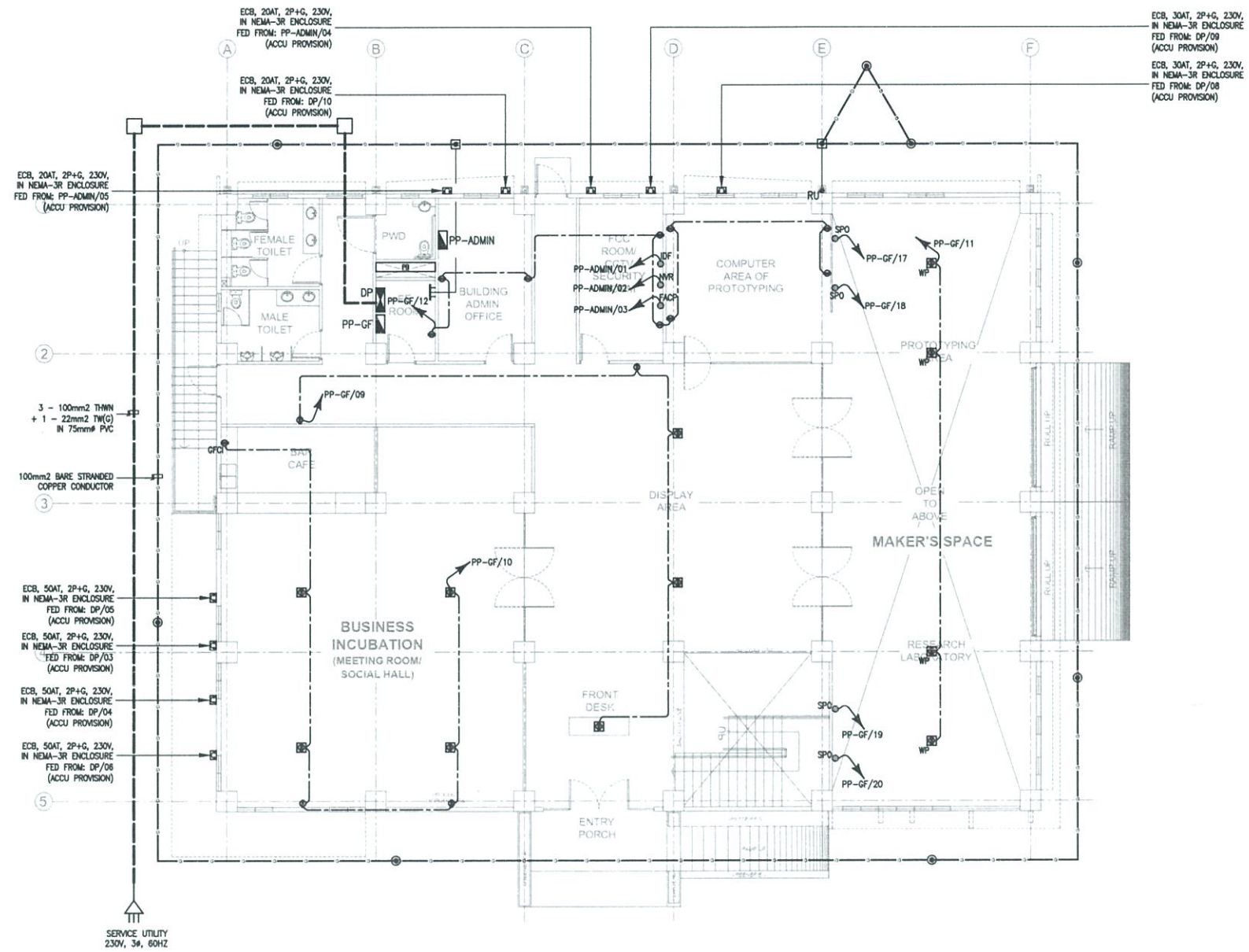
PROJECT DIRECTOR:

SEC. SUHARTO T. MANGUDADATU, Ph.D.
 PMU-SIPTVETS

SHEET CONTENTS:
 2ND FLOOR 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 - TESDA-SOCCSKSARGEN
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**
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City.

PROJECT TITLE:
**PROPOSED TESDA SOCCSKSARGEN
 INNOVATION CENTER**
LOCATION: Spring, Anabai, Sarangani Province

ELECTRICAL ENGINEER:

ENGR. JOHN ADRIAN C. SANTOS
 PMU-SIPTVETS
 ENGINEERING SECTION

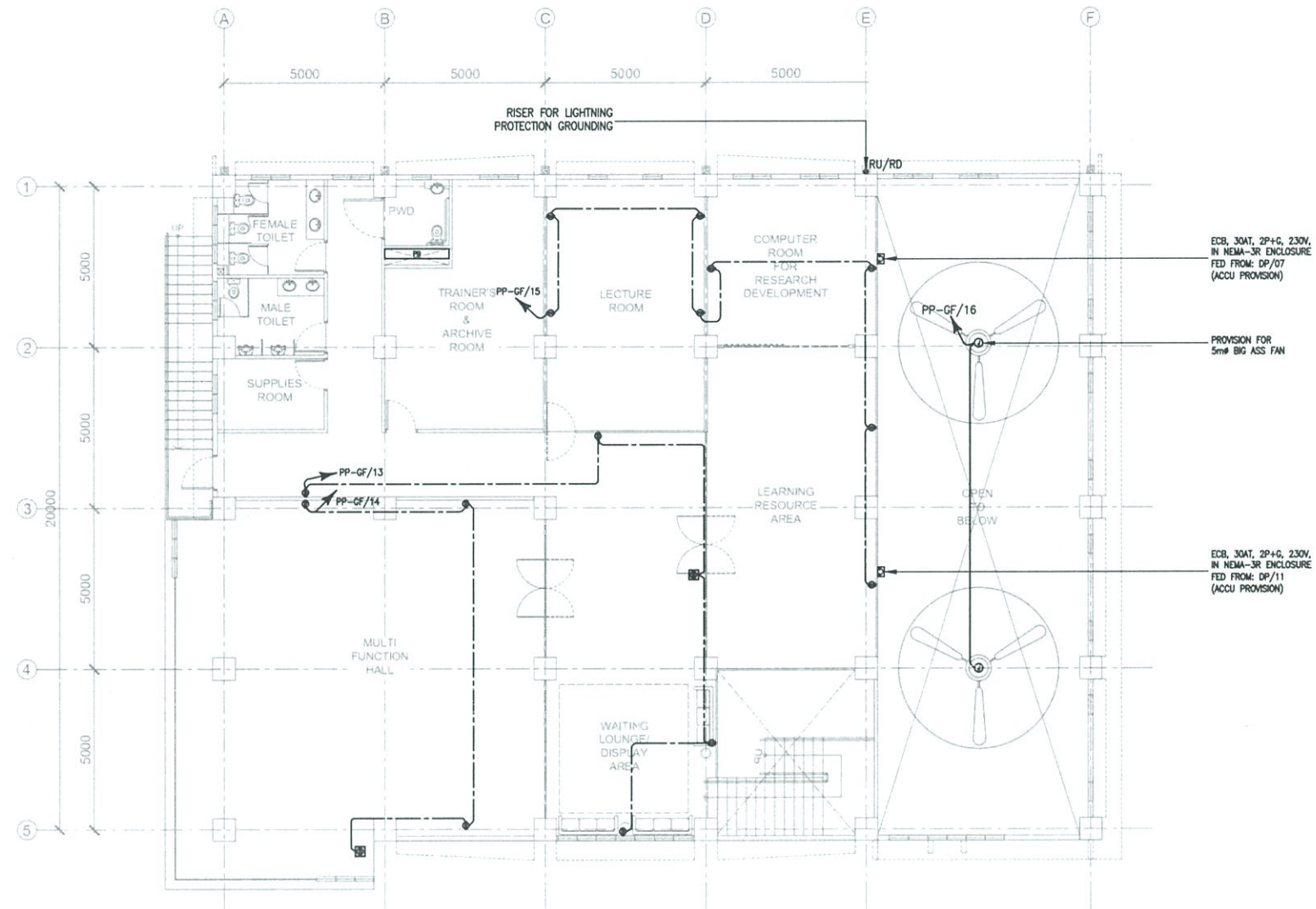
PROJECT MANAGER:

DIR. ENRICO C. BANARIO
 PMU-SIPTVETS

PROJECT DIRECTOR:

SEC. SUHARTO T. MANGUDATU, Ph.D.
 PMU-SIPTVETS

SHEET CONTENTS:
 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 - TESDA-SOCCSKSARGEN
SECOND FLOOR POWER LAYOUT


SCALE: 1: 200 mm


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

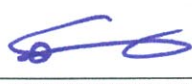
PROJECT OWNER:

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

PROJECT TITLE:
**PROPOSED TESDA SOCCSKSARGEN
 INNOVATION CENTER**
LOCATION: Spring, Alabell, Sarangani Province

ELECTRICAL ENGINEER:

ENGR. JOHN ADRIAN C. SANTOS
 PMU-SIPTVETS
 ENGINEERING SECTION

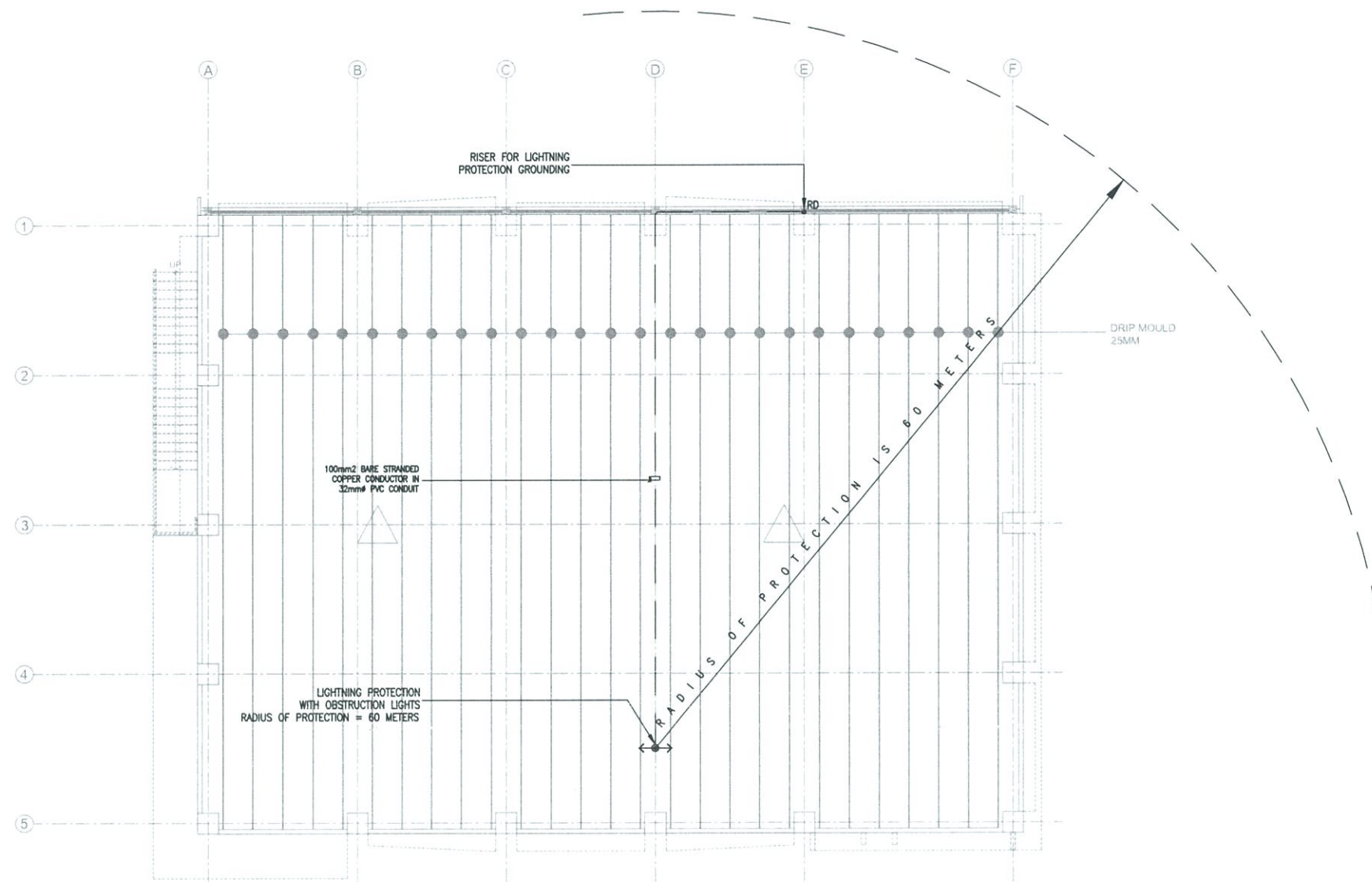
PROJECT MANAGER:

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



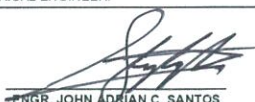
TESDA INNOVATION CENTER - TESDA-SOCCSKSARGEN
ROOF LIGHTNING PROTECTION LAYOUT


SCALE: 1: 200 mm

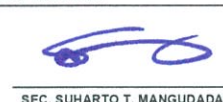
**FOR APPROVAL PLANS OF
 REGIONAL TVET INNOVATION
 CENTERS (RTICs) 2023**

PROJECT OWNER:

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

PROJECT TITLE:
**PROPOSED TESDA SOCCSKSARGEN
 INNOVATION CENTER**
LOCATION: Spring, Alabell, Sarangani Province

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:
 ROOF LIGHTNING PROTECTION LAYOUT

SHEET NO.
E-5