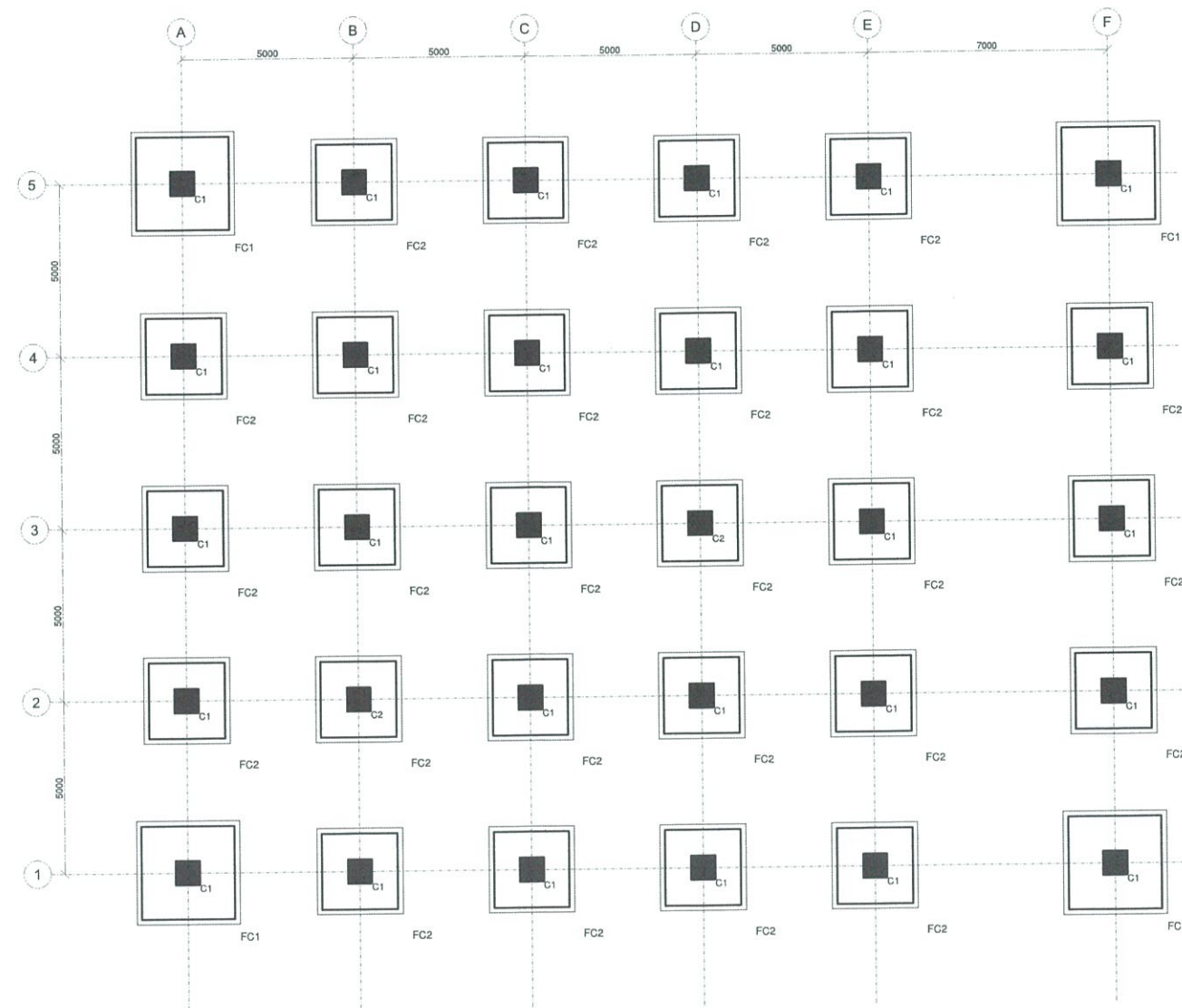




FOUNDATION PLAN
 SCALE: _____ 1:200 MTS

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

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

PROJECT TITLE:
**PROPOSED TESDA ASSAT INNOVATION
CENTER**
LOCATION: ASSAT GOOP, Government Presidencia, Agusan Del Sur

CIVIL ENGINEER:

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

PROJECT MANAGER:

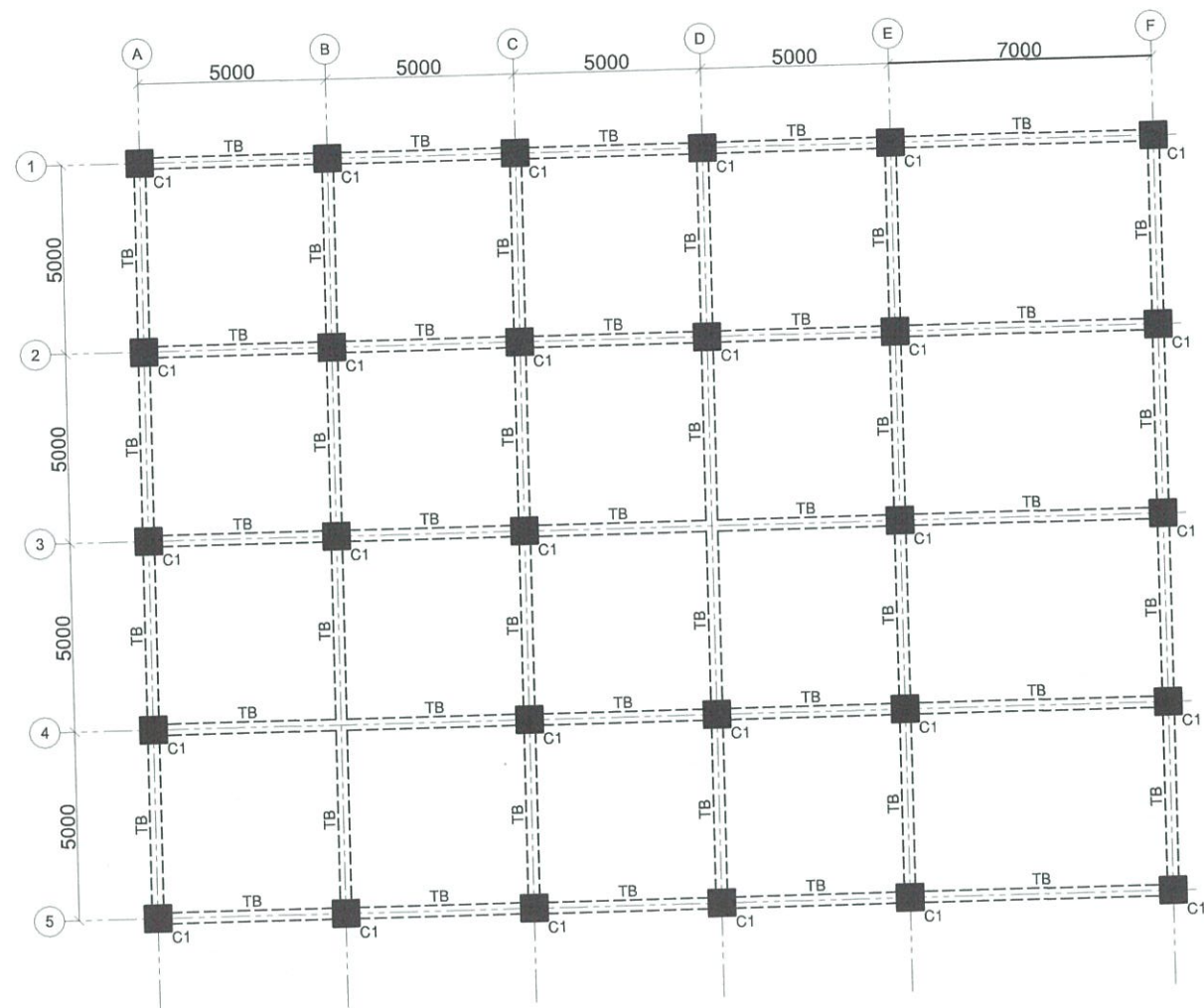
DIR. ENRICO C. BANARIO
 PMU-SIPTVETS

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**



**TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY**

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

PROJECT TITLE:

**PROPOSED TESDA ASSAT INNOVATION
CENTER**

LOCATION: ASSAT GDOP, Government Propprietad, Agusan Del Sur

CIVIL ENGINEER:

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

PROJECT MANAGER:

DIR. ENRIQUE C. BANARIO
 PMU-SIPTVETS

PROJECT DIRECTOR:

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

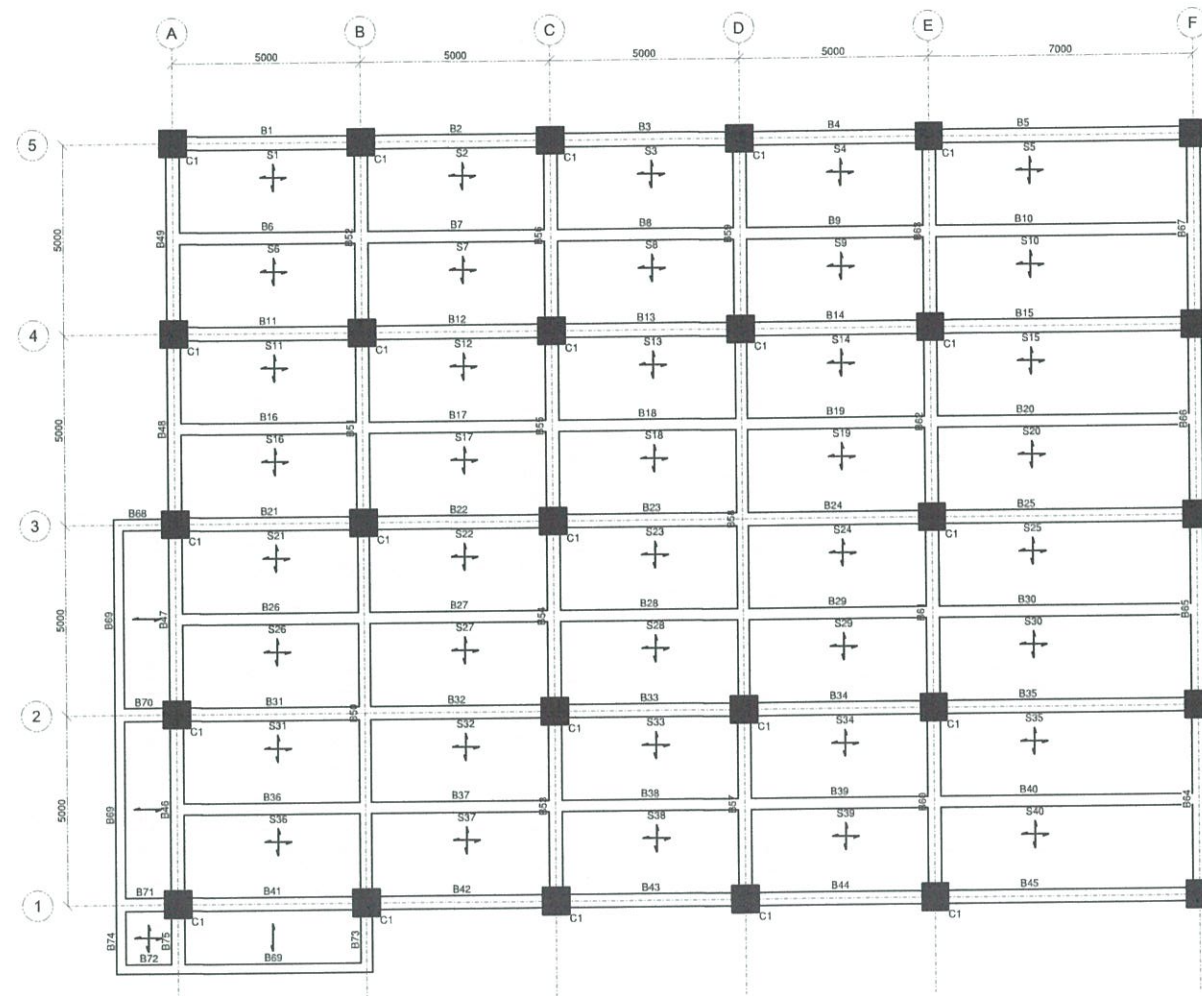
SHEET CONTENTS:

GROUND FLOOR FRAMING PLAN

SHEET NO.

S-9





ROOF DECK FLOOR FRAMING PLAN

SCALE:

1:200 MTS

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



TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY

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

PROJECT TITLE:

PROPOSED TESDA ASSAT INNOVATION
CENTER

LOCATION: ASSAT GOOP, Government Proponent, Agusan Del Sur

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:

ROOF DECK FLOOR FRAMING PLAN

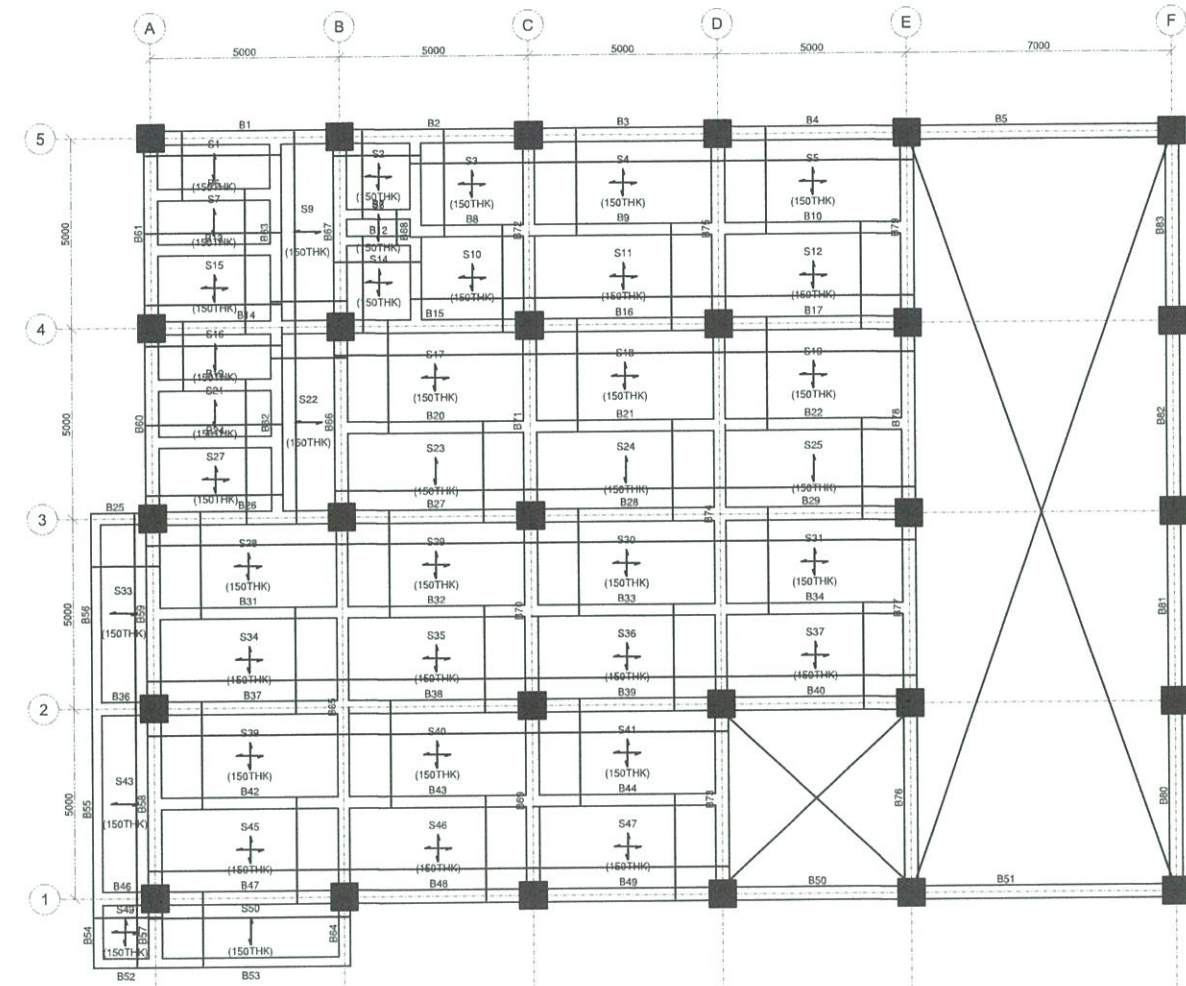
SHEET NO.

S-11

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

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT		TOP REINFORCEMENT				
		ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION
		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 S38, 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

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

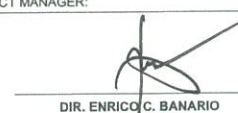
PROJECT OWNER:

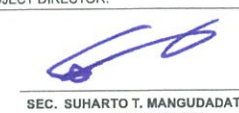
TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLIDC, Taguig City

PROJECT TITLE:
PROPOSED TESDA ASSAT INNOVATION
CENTER
LOCATION: ASSAT GOCP, Government Prossperidad, Agusan Del Sur

CIVIL ENGINEER:

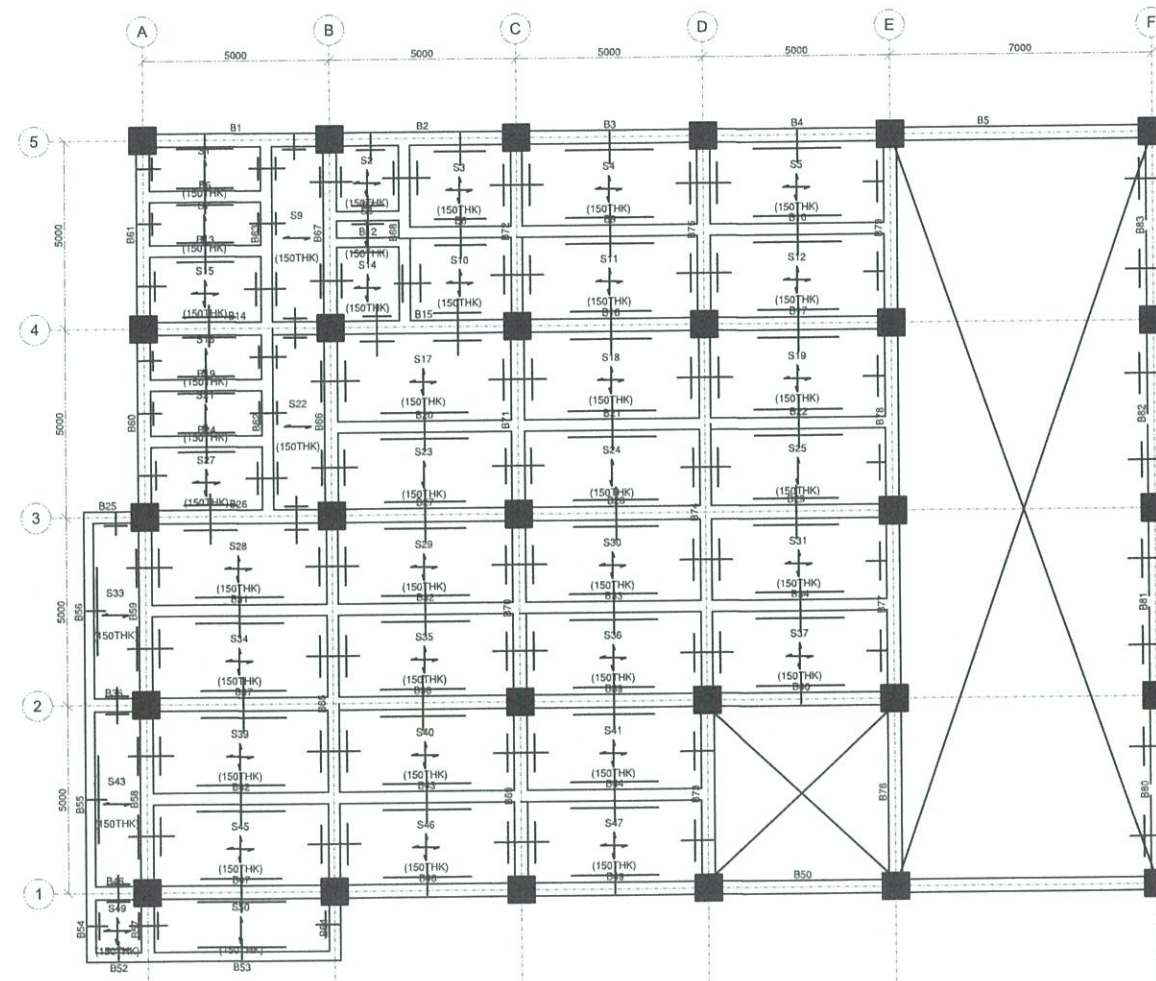
ENGR. ENRIQUE G. DELA TORRE
PMU-SIPTVETS
ENGINEERING SECTION

PROJECT MANAGER:

DIR. ENRICO C. BANARIO
PMU-SIPTVETS

PROJECT DIRECTOR:

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

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

SHEET NO.
S-12

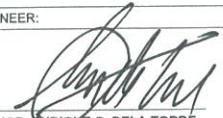


TOP REINFORCEMENT LAYOUT - 5.6 M
SCALE: 1:200 MTS

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

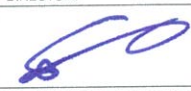
PROJECT OWNER:
 TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY

PROJECT TITLE:
**PROPOSED TESDA ASSAT 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

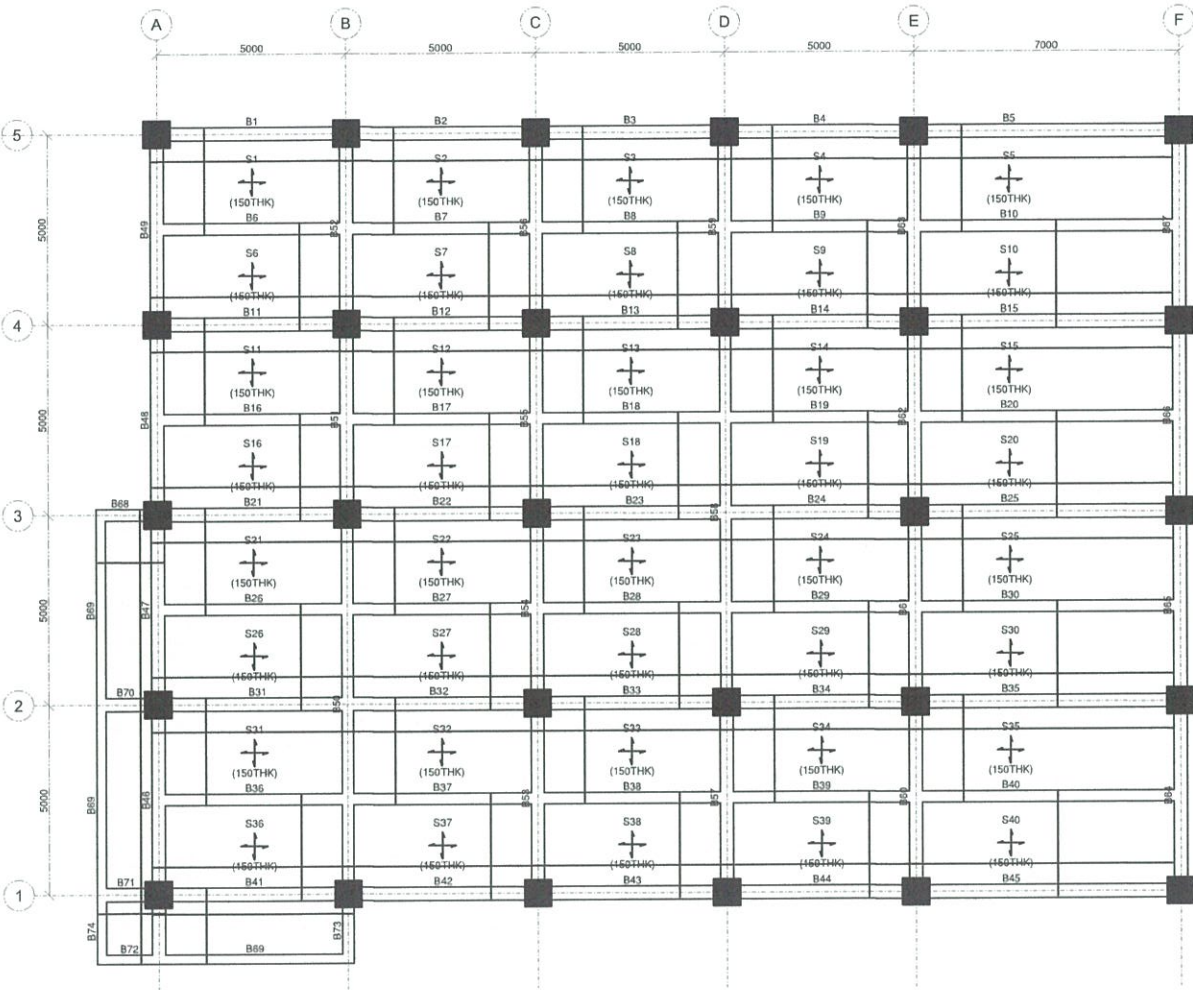
SHEET CONTENTS:
TOP REINFORCEMENT LAYOUT
- 5.6M

SHEET NO.
S-13

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

SLAB MARKED	SLAB THICKNESS	BOTTOM REINFORCEMENT		TOP REINFORCEMENT				
		ALONG SHORT SPAN	ALONG LONG SPAN	OVER LONG SUPPORT		OVER SHORT SUPPORT		DISTRIBUTION
		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

SLAB SCHEDULE - 9.2 M
SCALE: NTS

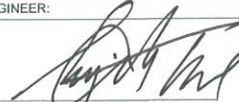


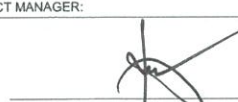
BOTTOM REINFORCEMENT LAYOUT - 9.2 M
SCALE: 1:200 MTS

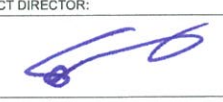
FOR APPROVAL PLANS OF
REGIONAL TVET INNOVATION
CENTERS (RTICs) 2023

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

PROJECT TITLE:
**PROPOSED TESDA ASSAT INNOVATION
CENTER**
LOCATION: ASSAT GDOP, Government Propprietary, Agusan Del Sur

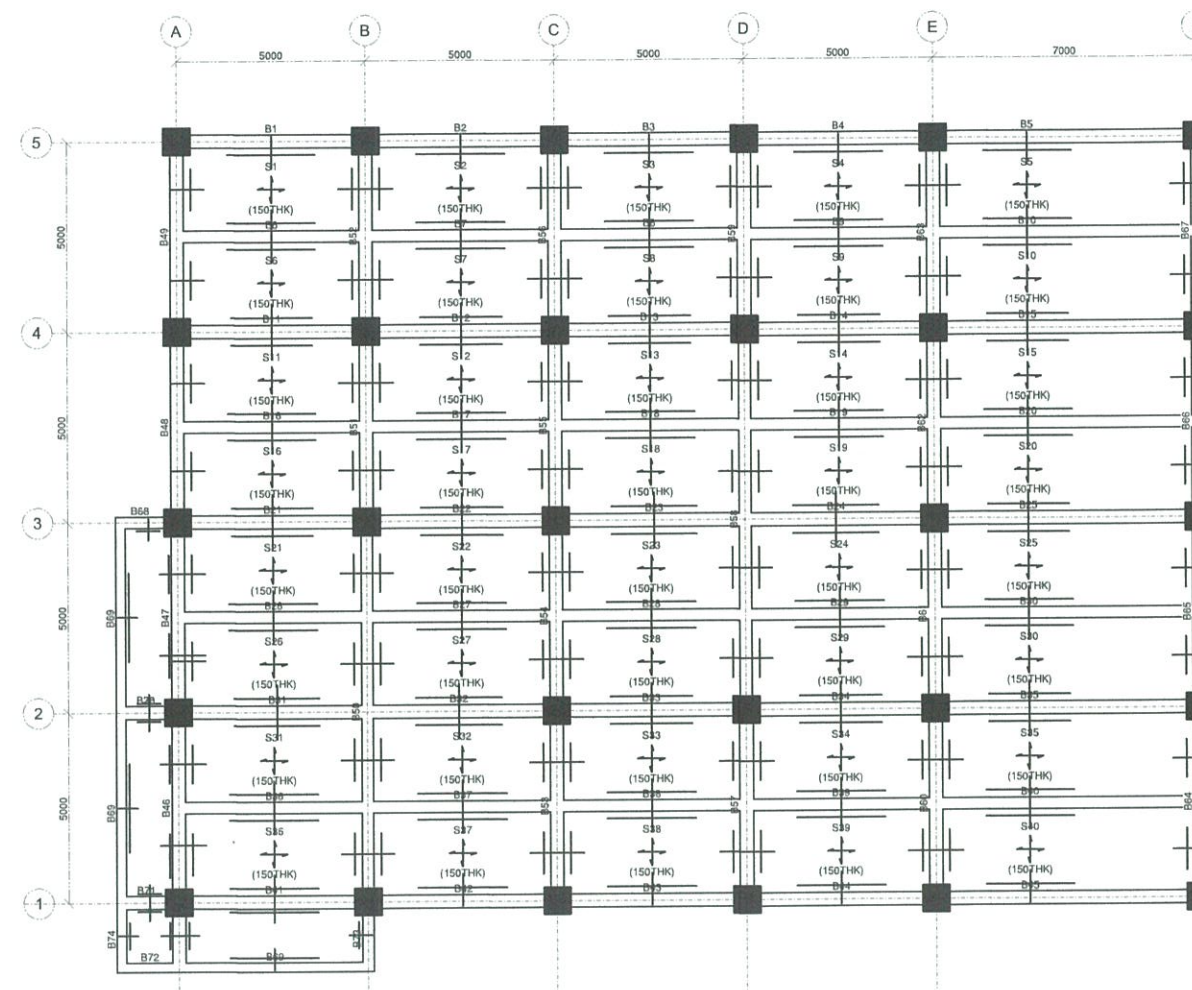
CIVIL ENGINEER:

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 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**

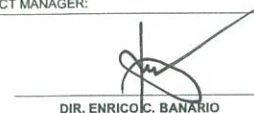
PROJECT OWNER:

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

PROJECT TITLE:
**PROPOSED TESDA ASSAT INNOVATION
CENTER**
LOCATION: ASSAT GDOP, Government Properties, Agusan Del Sur

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

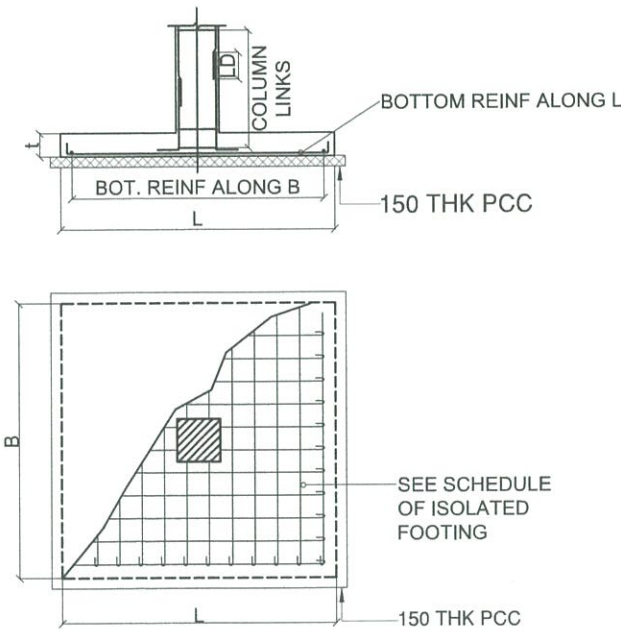
SHEET CONTENTS:
TOP REINFORCEMENT LAYOUT
- 9.2M

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

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 ASSAT INNOVATION
CENTER
LOCATION: ASSAT GOCP, Government Proterland, Agusan Del Sur

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:

ISOLATED FOOTING DETAIL
COLUMN SCHEDULE

SHEET NO.

S-16

BEAM SCHEDULE (C28:Fy414) (LEVEL: 2.4m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT
TB	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	11-2L-Ø10@105 C/C	10-2L-Ø10@215 C/C	11-2L-Ø10@105 C/C

BEAM SCHEDULE (C28:Fy414) (LEVEL: 5.6m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT		
B1,B2,B58,B59,B60 B61,B66,B67,B73 B76,B78,B80,B81 B83	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	2-Ø16EF	-
B3,B4,B5,B47,B48 B49,B50,B51,B75 B77,B79,B82	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	-	-
B6,B13,B19,B24	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	8-2L-Ø10@165 C/C	6-2L-Ø10@165 C/C	8-2L-Ø10@165 C/C	-	-
B7,B12	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	7-2L-Ø10@100 C/C	5-2L-Ø10@100 C/C	7-2L-Ø10@100 C/C	-	-
B8	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	7-2L-Ø10@165 C/C	5-2L-Ø10@165 C/C	7-2L-Ø10@165 C/C	-	-
B9,B10,B11,B20 B21,B22,B23,B31 B32,B33,B34,B35 B42,B43,B44,B45 B62,B63	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	11-2L-Ø10@165 C/C	9-2L-Ø10@165 C/C	11-2L-Ø10@165 C/C	-	-
B14	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@125 C/C	14-2L-Ø10@135 C/C	12-2L-Ø10@110 C/C	-	-
B15,B26	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	2-Ø16EF	-
B16,B17,B18,B40 B41,B69,B70	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	-	-
B25	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	4-2L-Ø10@165 C/C	2-2L-Ø10@165 C/C	4-2L-Ø10@165 C/C	1-Ø16EF	CANTILEVERED
B27	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25 + 2-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@120 C/C	-	-
B28,B37	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25 + 2-Ø25	4-Ø25	4-Ø25	9-2L-Ø10@200 C/C	7-2L-Ø10@200 C/C	9-2L-Ø10@200 C/C	-	-
B29,B38	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25 + 2-Ø25	9-2L-Ø10@200 C/C	7-2L-Ø10@200 C/C	9-2L-Ø10@200 C/C	-	-
B30,B39	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25 + 2-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@120 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	-	-
B36	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25 + 2-Ø25	4-Ø25 + 2-Ø25	4-Ø25 + 2-Ø25	3-2L-Ø10@200 C/C	1-2L-Ø10@200 C/C	3-2L-Ø10@200 C/C	2-Ø16EF	CANTILEVERED
B46	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-2L-Ø10@200 C/C	1-2L-Ø10@200 C/C	3-2L-Ø10@200 C/C	2-Ø16EF	CANTILEVERED
B52	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	6-2L-Ø10@100 C/C	4-2L-Ø10@100 C/C	6-2L-Ø10@100 C/C	1-Ø16EF	CANTILEVERED
B53,B55,B56	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	17-2L-Ø10@100 C/C	15-2L-Ø10@100 C/C	17-2L-Ø10@100 C/C	-	-
B54	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	6-2L-Ø10@100 C/C	4-2L-Ø10@100 C/C	6-2L-Ø10@100 C/C	1-Ø16EF	-
B57	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	4-2L-Ø10@200 C/C	2-2L-Ø10@200 C/C	4-2L-Ø10@200 C/C	2-Ø16EF	CANTILEVERED
B64	300	500	2-Ø25	2-Ø25	2-Ø25	3-Ø25 + 2-Ø25	3-Ø25 + 2-Ø25	3-Ø25 + 2-Ø25	4-2L-Ø10@165 C/C	2-2L-Ø10@165 C/C	4-2L-Ø10@165 C/C	1-Ø16EF	CANTILEVERED
B65	300	500	3-Ø25	2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	11-2L-Ø10@105 C/C	44-2L-Ø10@165 C/C	11-2L-Ø10@105 C/C	-	-
B68	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	11-2L-Ø10@165 C/C	9-2L-Ø10@165 C/C	11-2L-Ø10@165 C/C	1-Ø16EF	-
B71	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@125 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@120 C/C	-	-
B72	300	500	2-Ø25	2-Ø25	2-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@105 C/C	13-2L-Ø10@165 C/C	11-2L-Ø10@105 C/C	-	-
B74	300	500	2-Ø25	2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	11-2L-Ø10@105 C/C	44-2L-Ø10@165 C/C	11-2L-Ø10@105 C/C	-	-

BEAM SCHEDULE (C28:Fy414) (LEVEL: 9.2m)

BEAM NUMBERS	SIZE		BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS			SFR	REMARKS
	B	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT		
B1,B2,B3,B4,B5 B11,B12,B13,B14 B15,B41,B42,B43 B44,B45,B51,B52 B53,B54,B55,B56 B57,B59,B60,B61 B62,B63	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	-	
B6,B8,B9,B10	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	11-2L-Ø10@165 C/C	9-2L-Ø10@165 C/C	11-2L-Ø10@165 C/C	-	
B7	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	9-2L-Ø10@215 C/C	7-2L-Ø10@215 C/C	9-2L-Ø10@215 C/C	-	
B16,B17,B20,B30 B38,B39,B40	300	500	2-Ø25	2-Ø25	2-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@165 C/C	9-2L-Ø10@165 C/C	11-2L-Ø10@165 C/C	-	
B18,B19,B26,B27 B28,B29,B36,B37	300	500	2-Ø25	2-Ø25	2-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@165 C/C	9-2L-Ø10@165 C/C	11-2L-Ø10@165 C/C	1-Ø16EF	
B21,B34,B35	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	-	
B22	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25 + 2-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@120 C/C	-	
B23	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25 + 2-Ø25	4-Ø25	4-Ø25	9-2L-Ø10@200 C/C	7-2L-Ø10@200 C/C	9-2L-Ø10@200 C/C	-	
B24	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25	4-Ø25	4-Ø25 + 2-Ø25	9-2L-Ø10@200 C/C	7-2L-Ø10@200 C/C	9-2L-Ø10@200 C/C	-	
B25,B33	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25 + 2-Ø25	4-Ø25	4-Ø25	11-2L-Ø10@120 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	-	
B31	350	600	4-Ø25	4-Ø25	4-Ø25	4-Ø25 + 2-Ø25	4-Ø25	4-Ø25	9-2L-Ø10@190 C/C	7-2L-Ø10@200 C/C	9-2L-Ø10@200 C/C	-	
B32	350	600	4-Ø25	4-Ø25	4-Ø25	4-Ø25	4-Ø25	4-Ø25 + 2-Ø25	9-2L-Ø10@200 C/C	7-2L-Ø10@200 C/C	10-2L-Ø10@185 C/C	-	
B46,B47,B48,B49 B64,B65,B66,B67	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	11-2L-Ø10@130 C/C	9-2L-Ø10@200 C/C	11-2L-Ø10@130 C/C	2-Ø16EF	
B50	300	500	3-Ø25	2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	11-2L-Ø10@105 C/C	47-2L-Ø10@155 C/C	11-2L-Ø10@105 C/C	-	
B58	300	500	2-Ø25	2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	3-Ø25	3-Ø25 + 2-Ø25	11-2L-Ø10@105 C/C	44-2L-Ø10@165 C/C	11-2L-Ø10@105 C/C	-	
B68	300	500	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	4-2L-Ø10@165 C/C	2-2L-Ø10@165 C/C	4-2L-Ø10@165 C/C	1-Ø16EF	CANTILEVERED
B69	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	17-2L-Ø10@100 C/C	15-2L-Ø10@100 C/C	17-2L-Ø10@100 C/C	-	-
B70	350	600	3-Ø25	3-Ø25	3-Ø25	4-Ø25 + 2-Ø25	4-Ø25 + 2-Ø25	4-Ø25 + 2-Ø25	3-2L-Ø10@200 C/C	1-2L-Ø10@200 C/C	3-2L-Ø10@200 C/C	2-Ø16EF	CANTILEVERED
B71	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-2L-Ø10@200 C/C	1-2L-Ø10@200 C/C	3-2L-Ø10@200 C/C	2-Ø16EF	CANTILEVERED
B72	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	6-2L-Ø10@100 C/C	4-2L-Ø10@100 C/C	6-2L-Ø10@100 C/C	1-Ø16EF	
B73	300	500	2-Ø25	2-Ø25	2-Ø25	3-Ø25 + 2-Ø25	3-Ø25 + 2-Ø25	3-Ø25 + 2-Ø25	4-2L-Ø10@165 C/C	2-2L-Ø10@165 C/C	4-2L-Ø10@165 C/C	1-Ø16EF	
B74	250	300	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	2-Ø25	6-2L-Ø10@100 C/C	4-2L-Ø10@100 C/C	6-2L-Ø10@100 C/C	1-Ø16EF	-
B75	350	600	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	3-Ø25	4-2L-Ø10@200 C/C	2-2L-Ø10@200 C/C	4-2L-Ø10@200 C/C	2-Ø16EF	CANTILEVERED

BEAM SCHEDULE
SCALE: _____ NTS

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



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

PROJECT TITLE:
PROPOSED TESDA ASSAT INNOVATION
CENTER

LOCATION: ASSAT GOOP, Government Properties, Agusan Del Sur

CIVIL ENGINEER:

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

PROJECT MANAGER:

DIR. ENRIQUE C. BANARIO
PMU-SIPTVETS

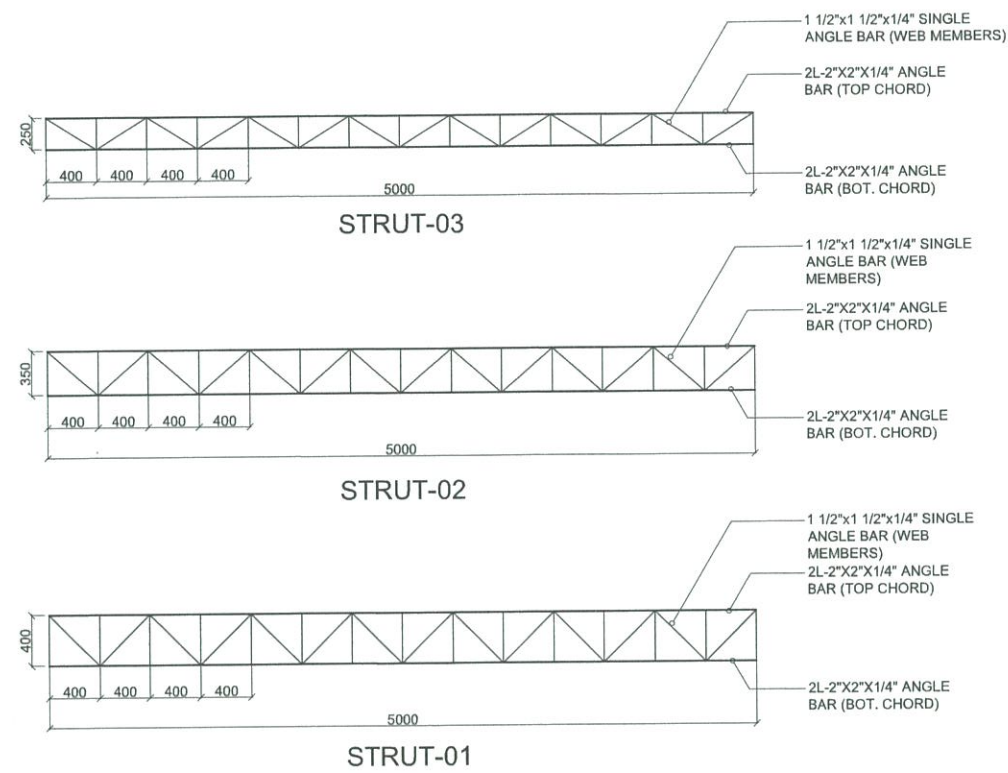
PROJECT DIRECTOR:

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

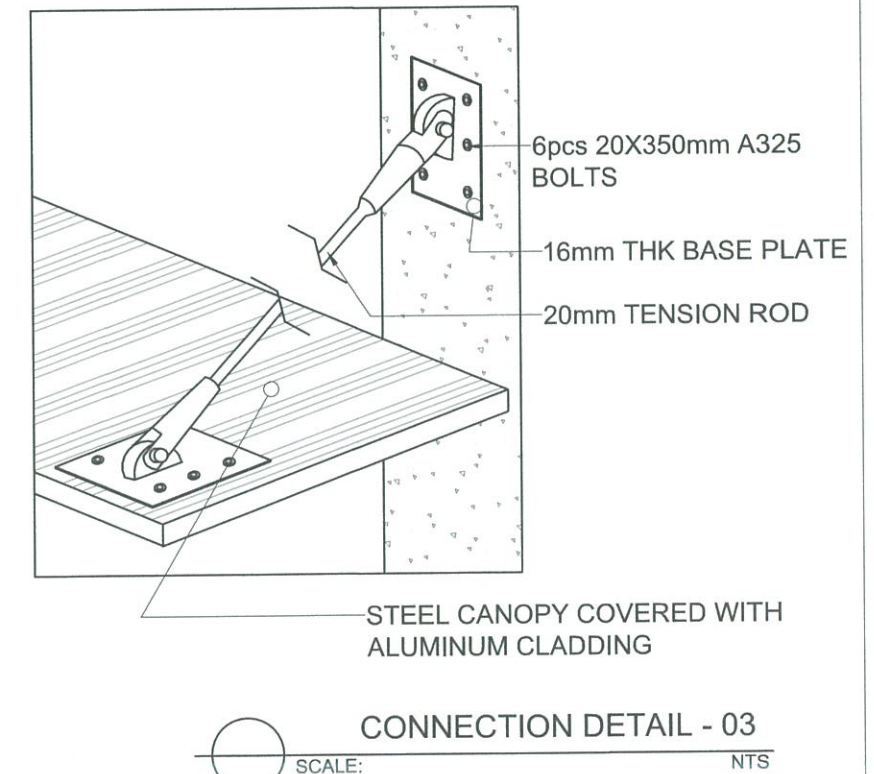
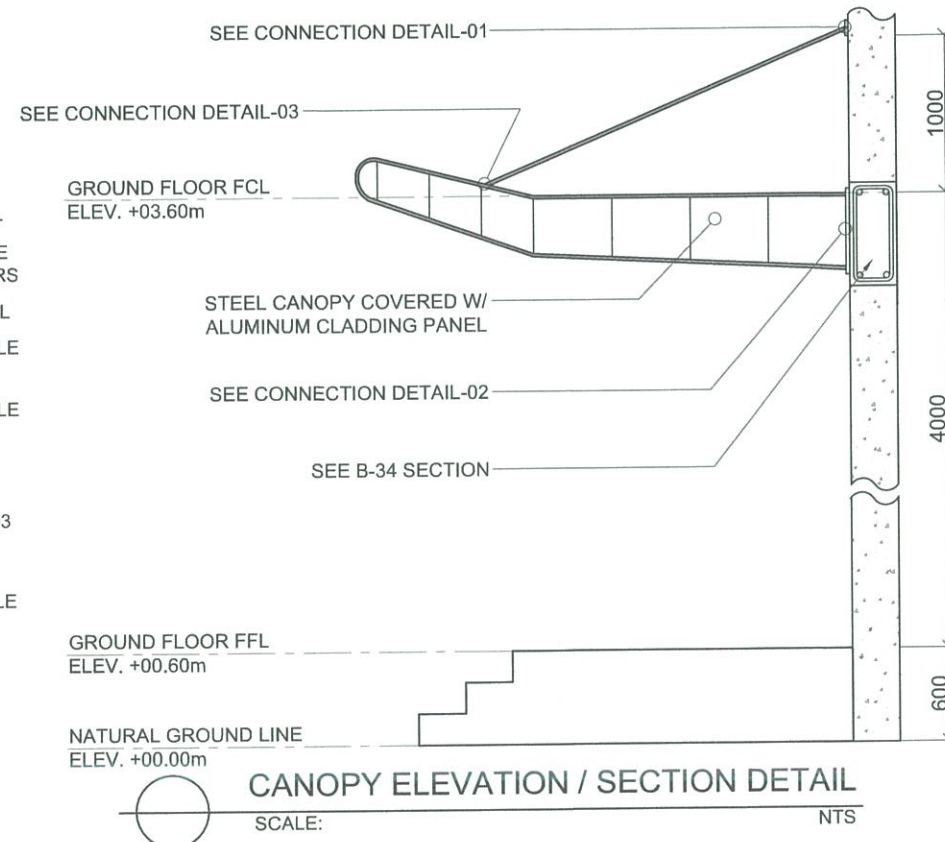
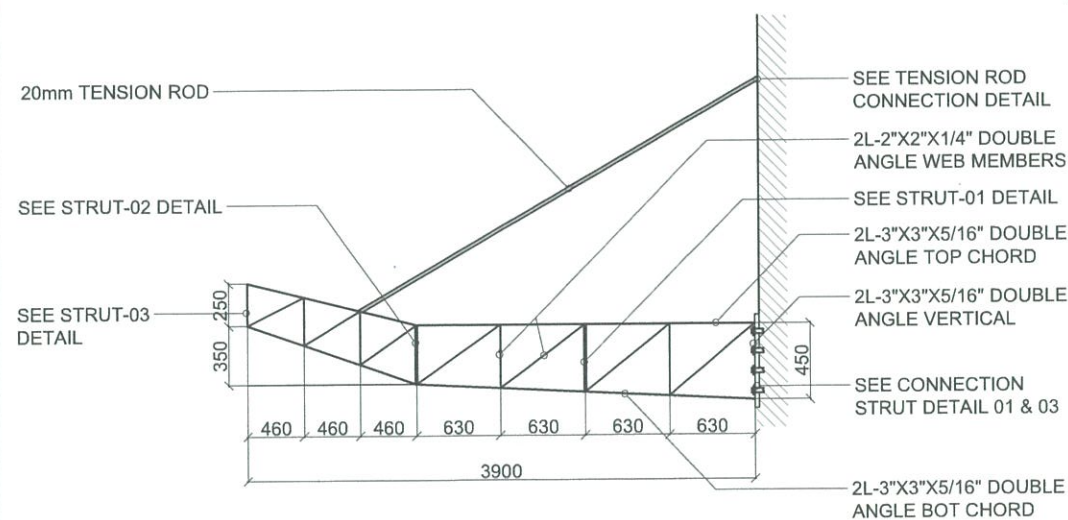
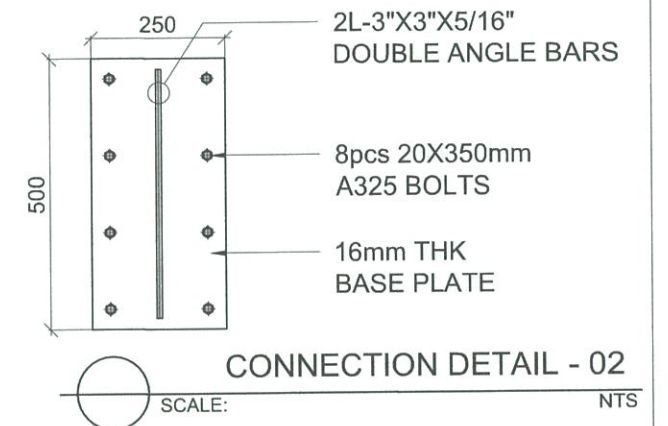
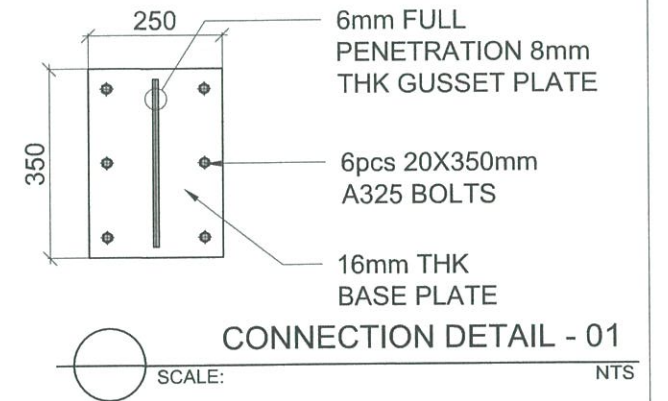
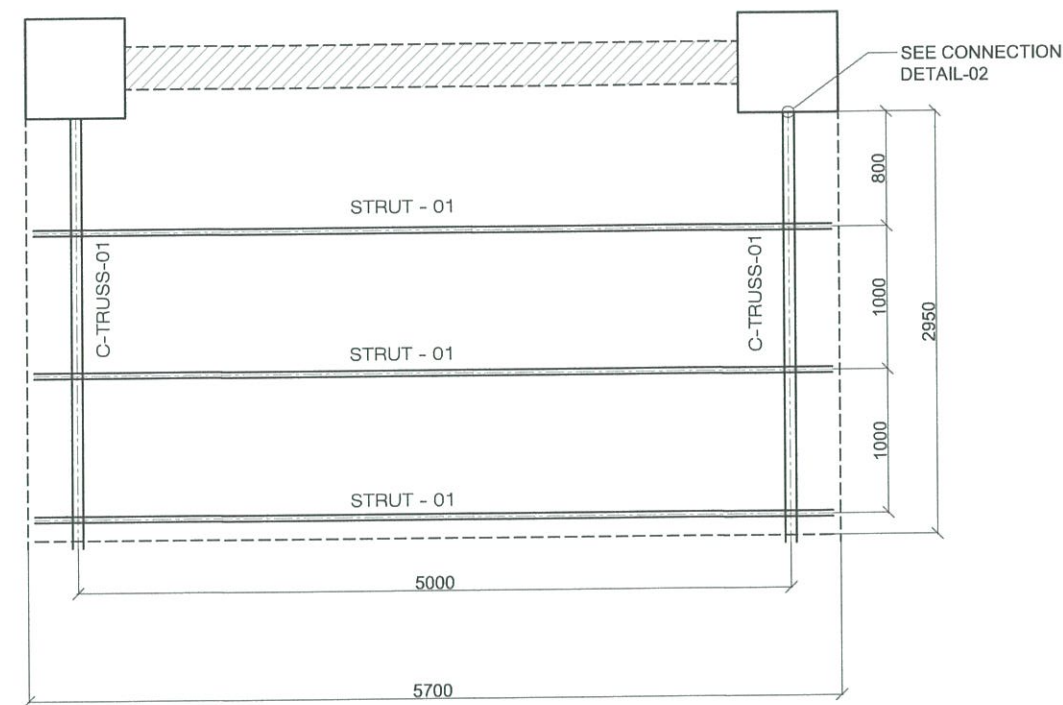
SHEET CONTENTS:
BEAM SCHEDULE

SHEET NO.

S-17



STRUT DETAIL
 SCALE: NTS



**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 ASSAT INNOVATION
 CENTER**
 LOCATION: ASSAT GOOP, Government Prossperidad, Agusan Del Sur

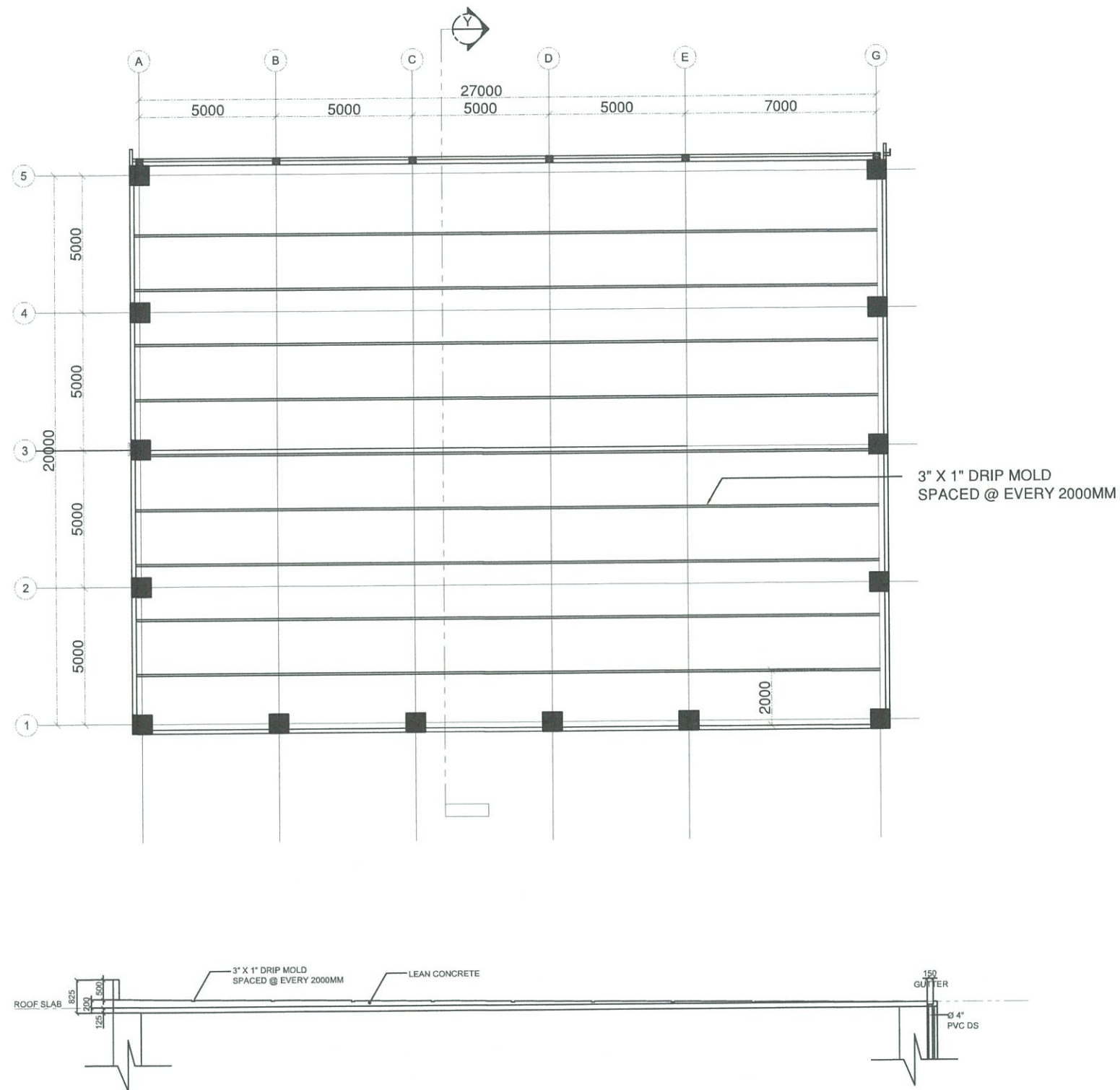
CIVIL ENGINEER:
ENGR. ENRIQUE G. DELA TORRE
 PMU-SIPTVETS
 ENGINEERING SECTION

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

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

SHEET CONTENTS:
 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
 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 SLEX, Taguig City.

PROJECT TITLE:
**PROPOSED TESDA ASSAT INNOVATION
CENTER**
LOCATION: ASSAT GOOP, Government Prossperidad, Agusan Del Sur

CIVIL ENGINEER:

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

PROJECT MANAGER:

DIR. ENRICO G. BANARIO
 PMU-SIPTVETS

PROJECT DIRECTOR:

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

SHEET CONTENTS:
 ROOF DECK SECTION PLAN

SHEET NO.
S-19

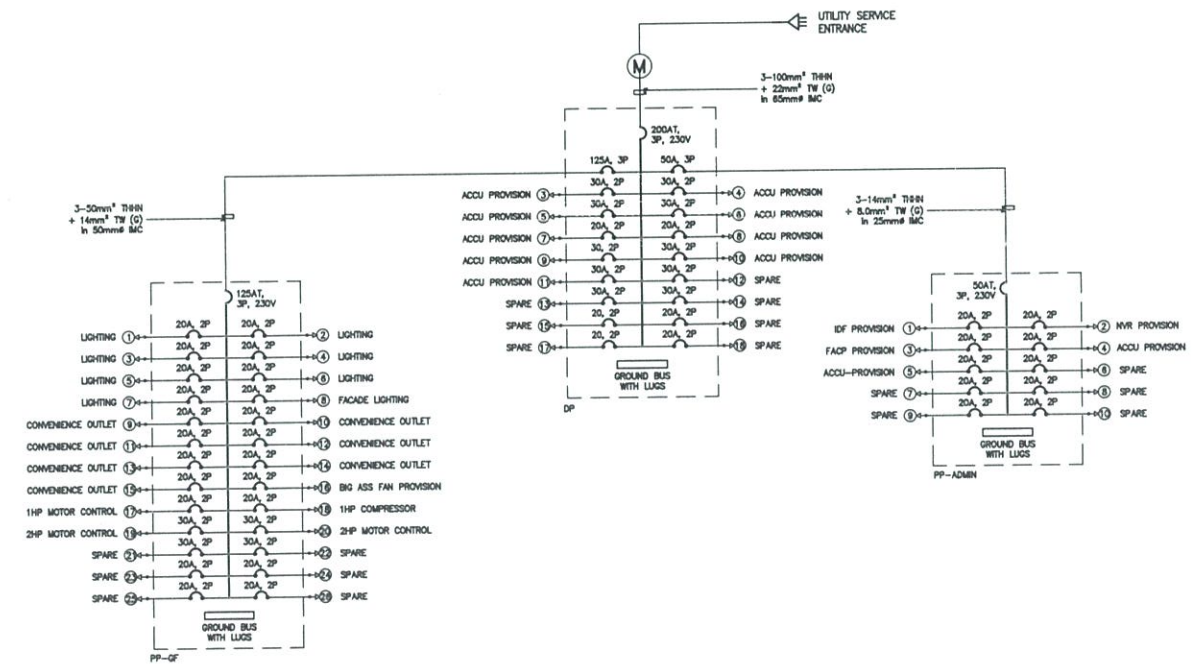
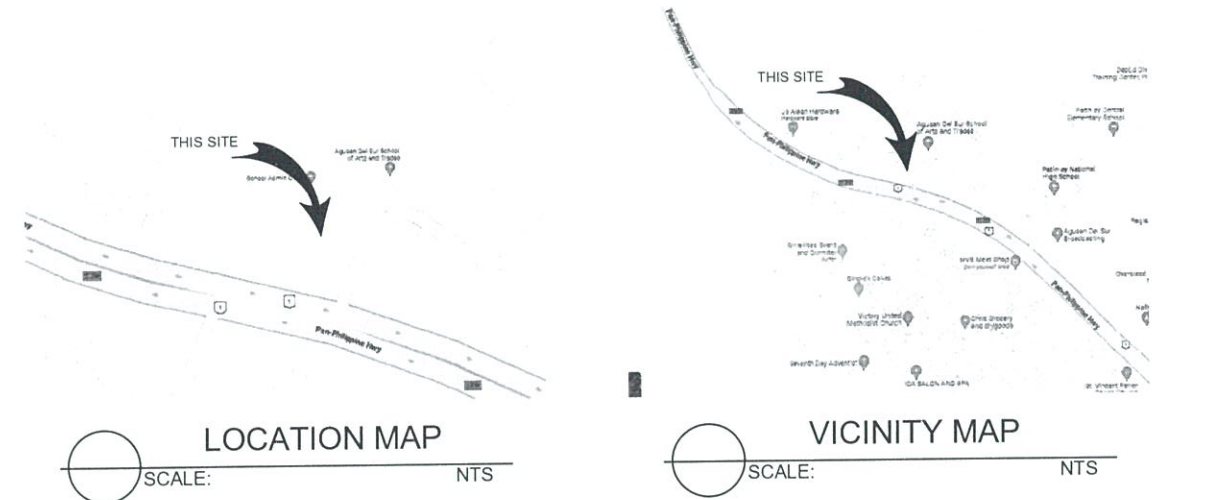
GENERAL NOTES AND SPECIFICATIONS

- ALL ELECTRICAL WORKS TO BE UNDERTAKEN HERE IN SHALL BE DONE IN ACCORDANCE WITH THE PROVISION 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 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(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, SPACING 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:
 - PANELBOARDS.....1.80m CENTER OF ENCLOSURE
 - CONVENIENCE OUTLET.....0.3m CENTER OF THE BOX
 - SWITCH OUTLET.....1.30m CENTER OF THE BOX
 - CITY OUTLET.....0.30m CENTER OF THE BOX
 - GFCI COUNTERTOP.....0.30m FROM TOP OF LAVATORY
 - COUNTERTOP OUTLET.....0.30m FROM TOP OF KITCHEN SINK
 - 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:
 - CONDUIT....."PANASONIC", "MC GILL", "SMARTUBE" OR APPROVED EQUAL.
 - WIRES AND CABLES....."PHILIPS DODGE", "PHILFLEX", "DURAFLEX"
 - CIRCUIT BREAKER BOARD....."ABB", "GE", "SCHNEIDER ELECTRIC" BOLT-ON TYPE
 - WIRING DEVICES....."PANASONIC", "LENTON", "SCHNEIDER ELECTRIC"
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE PROPER IDENTIFICATION AND LABELING OF ALL CIRCUIT BREAKER. EACH PANEL WILL BE APPROVED WITH A TYPEWRITTEN 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	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
#	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
TW	MOISTURE RESISTANT THERMOPLASTIC
LVSG	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
PI	POWER FACTOR INDICATOR
AHU	AIR HANDLING UNIT

LEGENDS AND SYMBOLS	
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED CONVENIENCE OUTLET
	SIMPLEX CONVENIENCE OUTLET
	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
	RISER UP/DOWN
	EARLY STREAMER EMISSION LIGHTNING PROTECTION
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED CONVENIENCE OUTLET
	SIMPLEX CONVENIENCE OUTLET
	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
	RISER UP/DOWN
	EARLY STREAMER EMISSION LIGHTNING PROTECTION



PANELBOARD DIAGRAM

SCALE: NTS

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

PROJECT OWNER:

TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY

PROJECT TITLE:
PROPOSED TESDA ASSAT
INNOVATION CENTER

ELECTRICAL ENGINEER:

ENGR. JOHN ADRIAN L. SANTOS
P.M.U.-SIPTVETS
ENGINEERING SECTION

PROJECT MANAGER:

DIR. ENRICO C. BANARIO
PMU-SIPTVETS

PROJECT DIRECTOR:

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

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

SHEET NO.
E-0A

PANEL NAME		PP-ADMIN		LOCATION: ADMIN OFFICE															
C/D FIDUCIAL		DP		MOUNTING: WALL MOUNTED															
SYSTEM		230VAC, 3-Phase, 50Hz		ENCLOSURE: NEMA 1															
CKT NO	DESCRIPTION	CONV. LOAD	DEMAND FACTOR	DEMAND LOAD	VOLT	AMP				CIRCUIT BREAKER				CABLE SIZE				CONDUIT	
						3Ø	AN	BN	CN	AT	AT	POLE	ISCC	TYPE	PHASE & NEUTRAL	GROUND	SIZE		TYPE
1	1ØF PROVISION	1,000	1.00	1,000	230V	4.35				20	63	1	3Ø	MCB	2-3.5mm ² THWN	1-3.5mm ² TW	20	PVC	
2	1ØVR PROVISION	1,000	1.00	1,000	230V	4.35				20	63	1	3Ø	MCB	2-3.5mm ² THWN	1-3.5mm ² TW	20	PVC	
3	1ØCP PROVISION	1,000	1.00	1,000	230V		4.35			20	63	1	3Ø	MCB	2-3.5mm ² THWN	1-3.5mm ² TW	20	PVC	
4	1ØCU PROVISION	548	0.70	553	230V			2.82		20	63	1	3Ø	MCB	2-3.5mm ² THWN	1-3.5mm ² TW	20	PVC	
5	1ØCU PROVISION	548	0.70	553	230V				2.82	20	63	1	3Ø	MCB	2-3.5mm ² THWN	1-3.5mm ² TW	20	PVC	
6	SPARE									20	63	1	3Ø	MCB					
7	SPARE									20	63	1	3Ø	MCB					
8	SPARE									20	63	1	3Ø	MCB					
9	SPARE									20	63	1	3Ø	MCB					
10	SPARE									20	63	1	3Ø	MCB					
TOTAL CONNECTED LOAD		4,295	0.91	3,907	230V	8.70	7.16	2.82	50	100	3	1Ø	MCBB	3-16mm ² THWN	1-6.3mm ² TW	32	IMC		
MAIN CIRCUIT BREAKER										MAIN FEEDER									
3Ø AT 100 AF 3POLE, 230V										3Ø AT 100 AF 3POLE, 230V									
DEMAND FACTOR										DEMAND FACTOR									
DEMAND LOAD										DEMAND LOAD									
TOTAL CURRENT										TOTAL CURRENT									

LOAD SCHEDULE

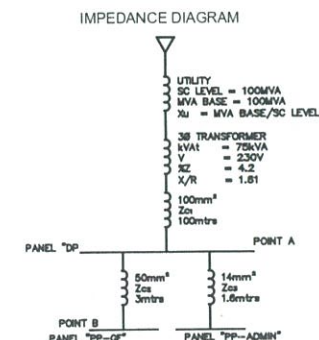
SCALE: _____ NTS

Use One (1) - 200 Ampere Trip, 230 Volt, 3 Pole Molded Case Circuit Breaker

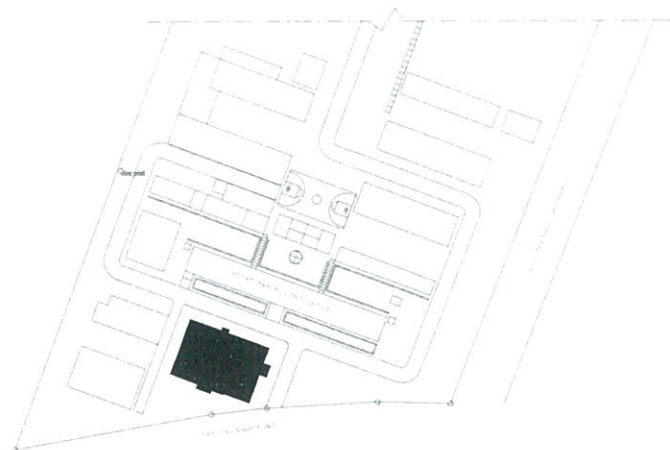
ELECTRICAL LOAD ANALYSIS

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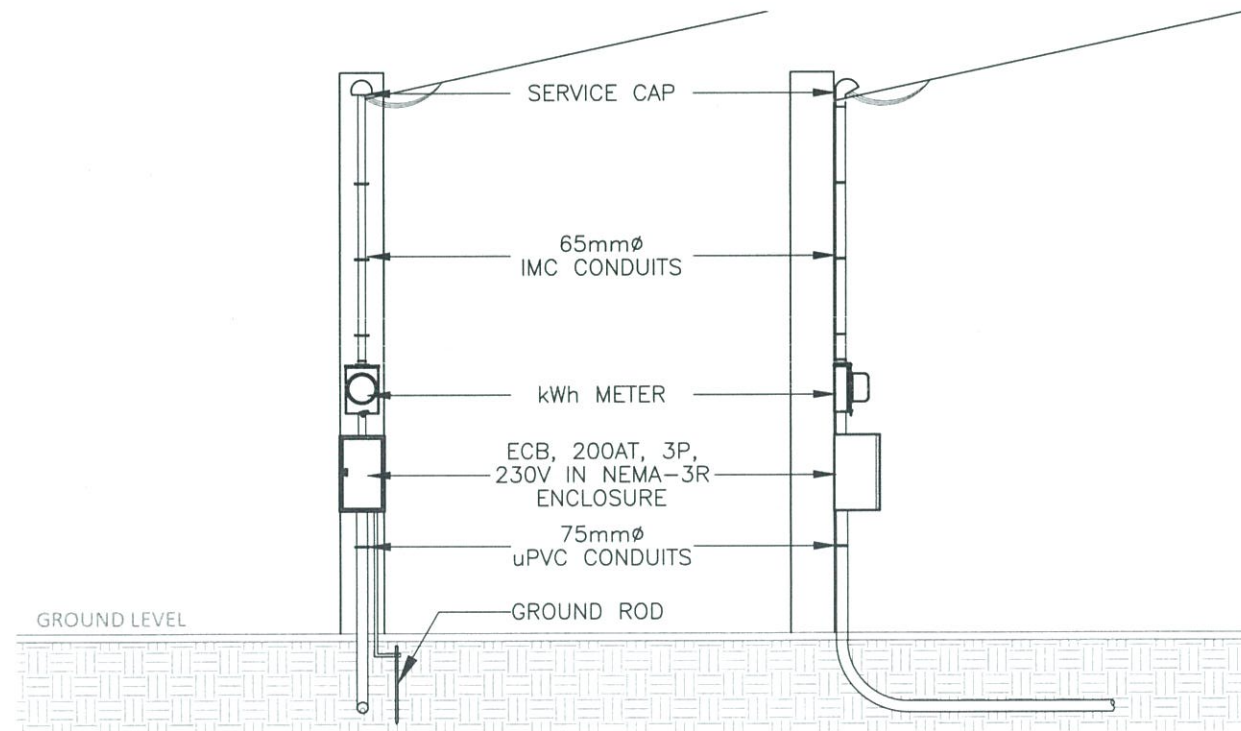
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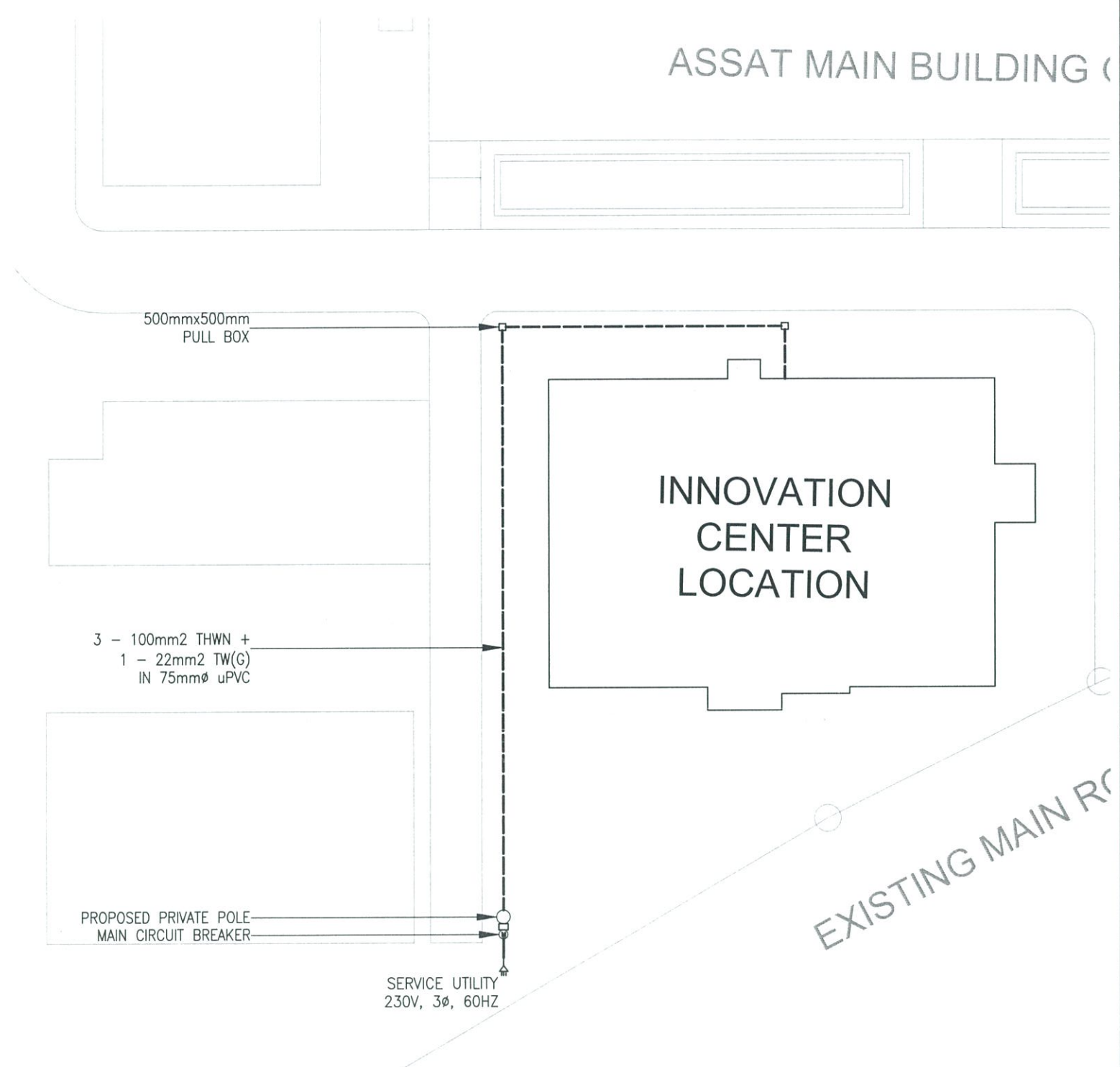
E-0B



KEY PLAN



CONCRETE PEDESTAL DETAILS
SCALE: 1:50MTS



ELECTRICAL SITE DEVELOPMENT PLAN
SCALE: 1:600MTS

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

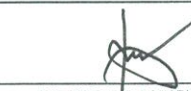
PROJECT OWNER:
 TECHNICAL EDUCATION
AND
SKILLS DEVELOPMENT
AUTHORITY

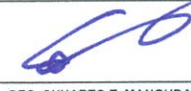
PROJECT TITLE:
PROPOSED TESDA ASSAT
INNOVATION CENTER

LOCATION: ASSAT GOOP, Government Center Proper, Agusan Del Sur

ELECTRICAL ENGINEER:

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

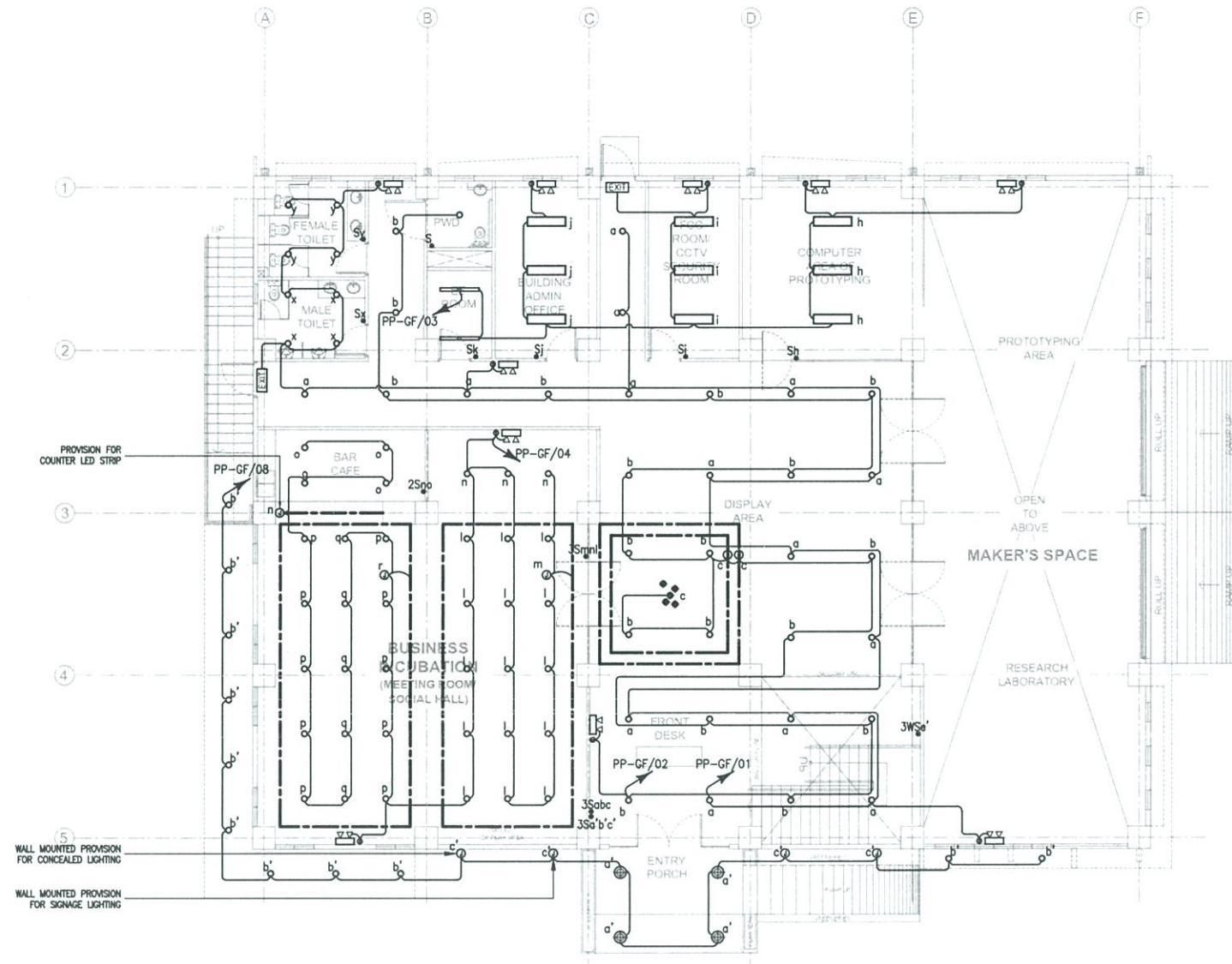
PROJECT MANAGER:

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
	8W EXIT LIGHT WITH 2HRS BATTERY PACK
	13W SUSPENDED LINEAR LIGHT
	CONCEALED LIGHTING
	1 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
	2 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
	3 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
	RISER UP/DOWN
	JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)



TESDA INNOVATION CENTER - ASSAT
GROUND 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 ASSAT
 INNOVATION CENTER**
LOCATION: ASSAT ODOP, Government Center Properidad, Agusan Del Sur

ELECTRICAL ENGINEER:

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

PROJECT MANAGER:

DIR. ENRICO C. BANARIO
 PMU-SIPTVETS

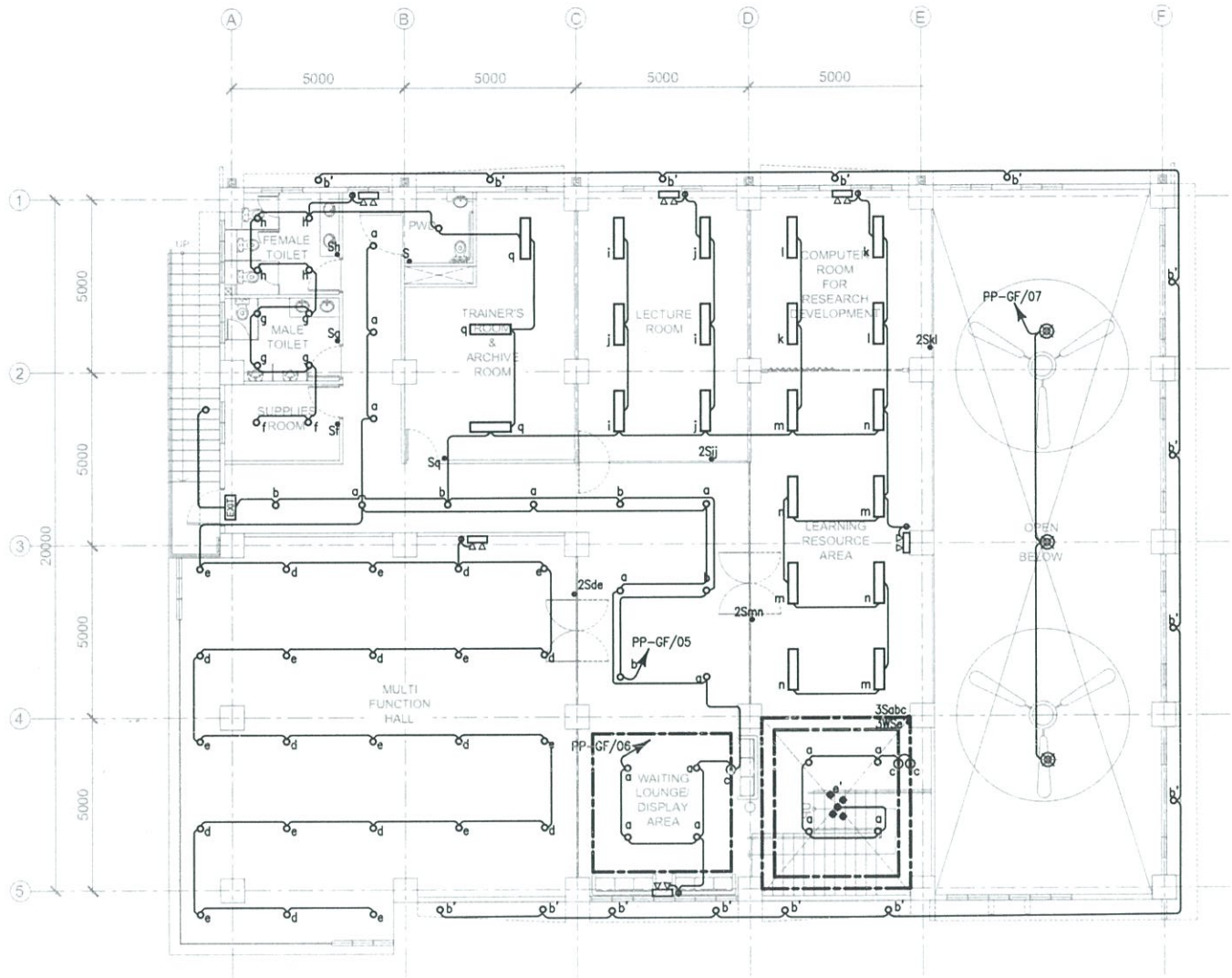
PROJECT DIRECTOR:

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
	8W EXIT LIGHT WITH 2HRS BATTERY PACK
	13W SUSPENDED LINEAR LIGHT
	CONCEALED LIGHTING
	1 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
	2 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
	3 GANG, SINGLE POLE SINGLE THROW SWITCH, 15A, 230V
	RISE UP/DOWN
	JUNCTION BOX (CONCEALED LIGHTING PROVISION/TAPPING POINT)



TESDA INNOVATION CENTER - ASSAT
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

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

PROJECT TITLE:

PROPOSED TESDA ASSAT
INNOVATION CENTER

LOCATION: ASSAT GOOP (Government Center Properidad) Agusan Del Sur

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

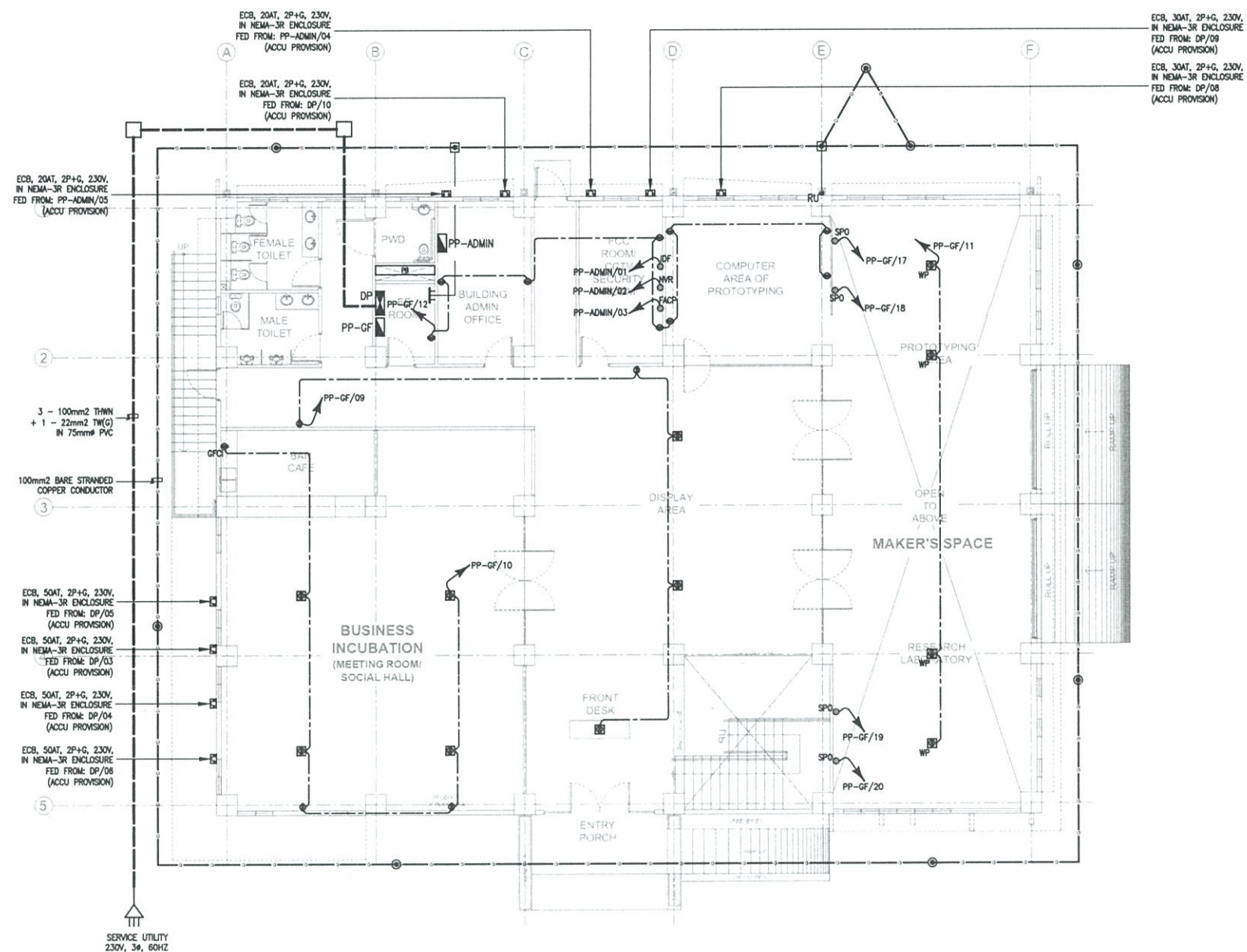
SHEET CONTENTS:

2ND FLOOR LIGHTING LAYOUT

SHEET NO.

E-2

LEGENDS AND SYMBOLS	
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED CONVENIENCE OUTLET
	SIMPLEX CONVENIENCE OUTLET
	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
	RISER UP/DOWN
	EARLY STREAMER EMISSION LIGHTNING PROTECTION



TESDA INNOVATION CENTER - ASSAT
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 ASSAT
INNOVATION CENTER

LOCATION: ASSAT ODP, Government Center Proper, Agusan Del Sur

ELECTRICAL ENGINEER:

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

PROJECT MANAGER:

DIR. ENRICO C. BANARIO
PMU-SIPTVETS

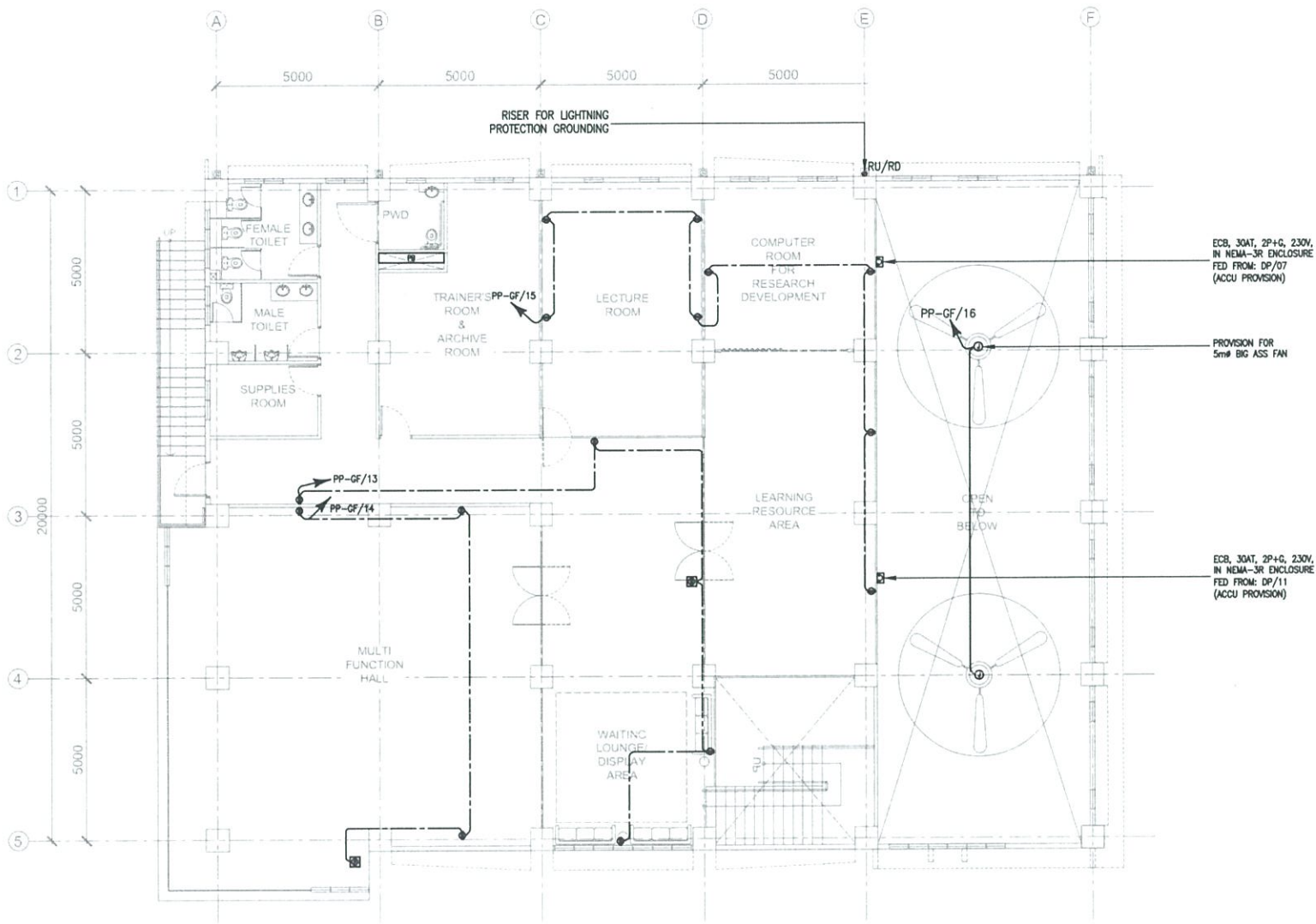
PROJECT DIRECTOR:

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

SHEET CONTENTS:
GROUND FLOOR GROUNDING &
POWER LAYOUT

SHEET NO.
E-3

LEGENDS AND SYMBOLS	
	DUPLEX CONVENIENCE OUTLET
	FLOOR MOUNTED CONVENIENCE OUTLET
	SIMPLEX CONVENIENCE OUTLET
	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
	RISER UP/DOWN
	EARLY STREAMER EMISSION LIGHTNING PROTECTION



TESDA INNOVATION CENTER - ASSAT
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

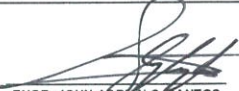
MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City.

PROJECT TITLE:

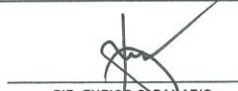
PROPOSED TESDA ASSAT
INNOVATION CENTER

LOCATION: ASSAT GDOP, Government Center Proper, Alabang, Muntinlupa City.

ELECTRICAL ENGINEER:


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

PROJECT MANAGER:


DIR. ENRICO C. BAJARRIO
PMU-SIPTVETS

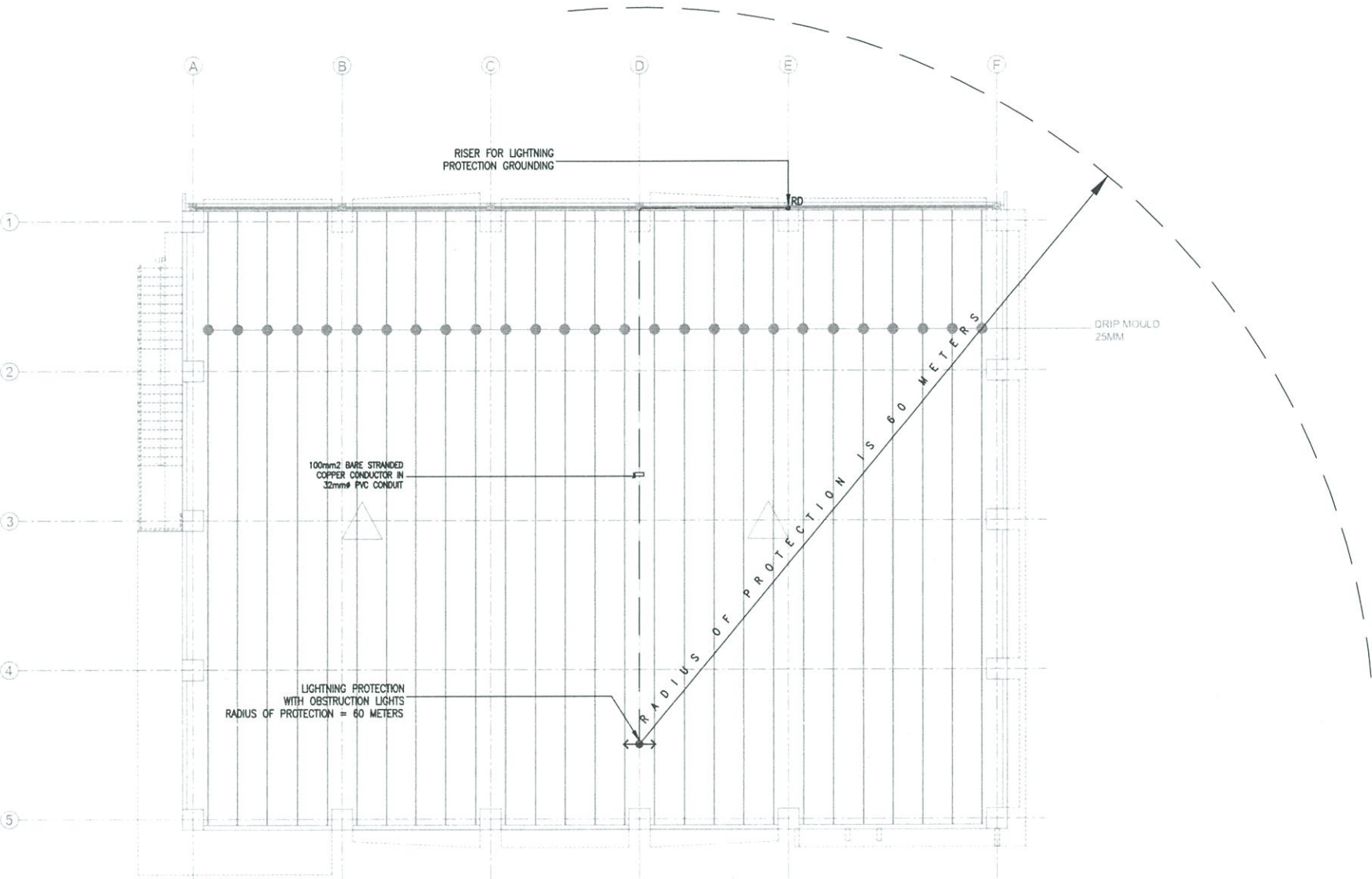
PROJECT DIRECTOR:


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
	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
	RISER UP/DOWN
	EARLY STREAMER EMISSION LIGHTNING PROTECTION



TESDA INNOVATION CENTER - ASSAT
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 ASSAT 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. MANGUDADATU, Ph.D. PMU-SIPTVETS	SHEET CONTENTS: ROOF LIGHTNING PROTECTION LAYOUT	SHEET NO. E-5
	MAIN OFFICE ADDRESS: TESDA COMPLEX, East Service Road SLEX, Taguig City	LOCATION: ASSAT GDOP, Government Center Proper Road, Agusan Del Sur					