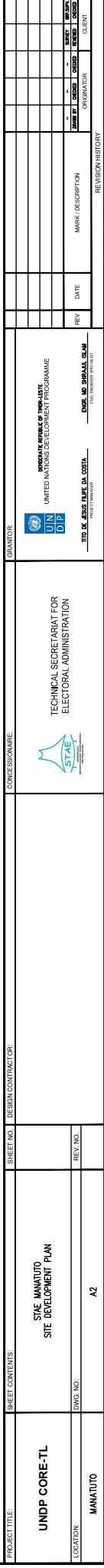


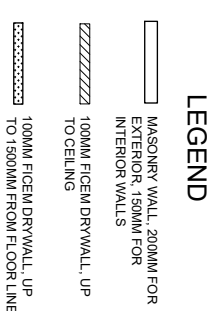


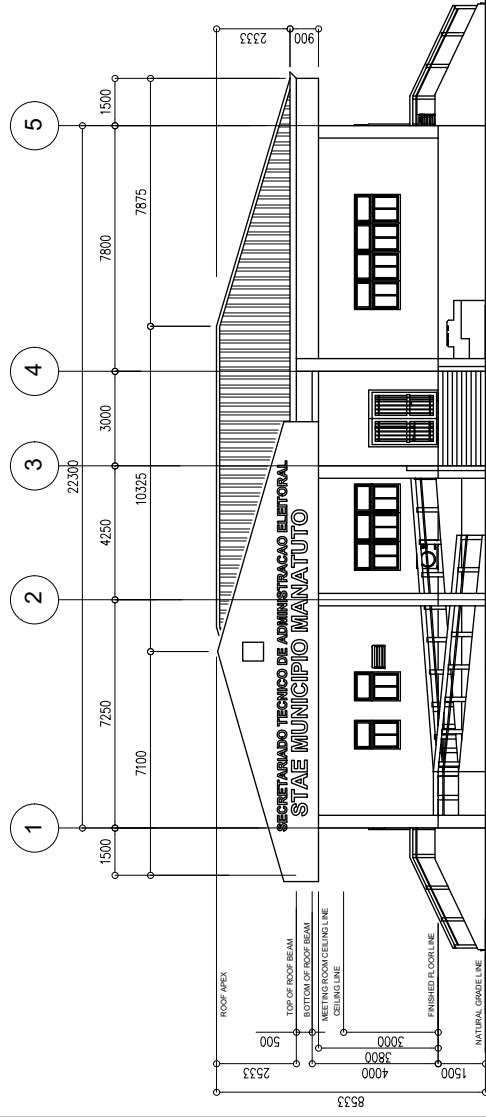
TABLE OF CONTENTS:

A1: Perspective, Vicinity Map, Location Plan, Table of Contents	
A2: Site Development Plan	
A3: Ground Floor Plan	
A4: Elevations	
A5: Sections	
A6: Reflected Ceiling Plan	
A7: Door, Window and Finish Schedule	
A8: Detail of Stairs, Ramp, Railing, Parapet, and Gutter	

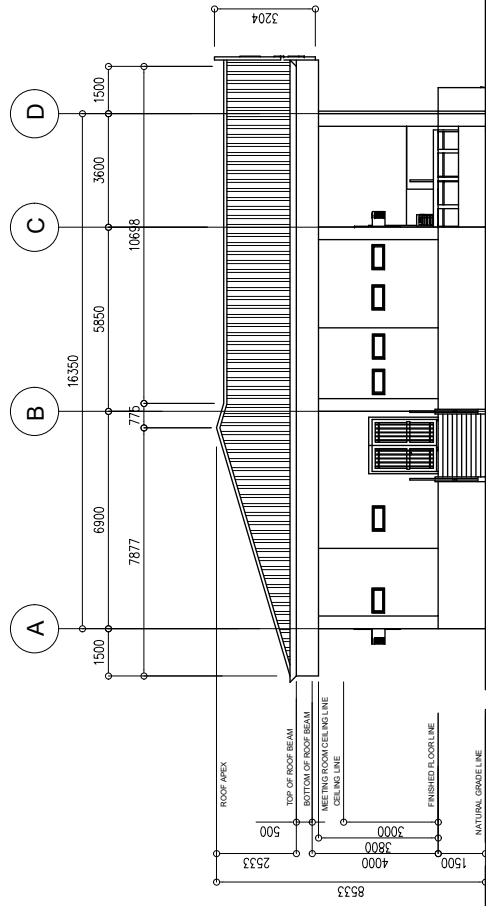
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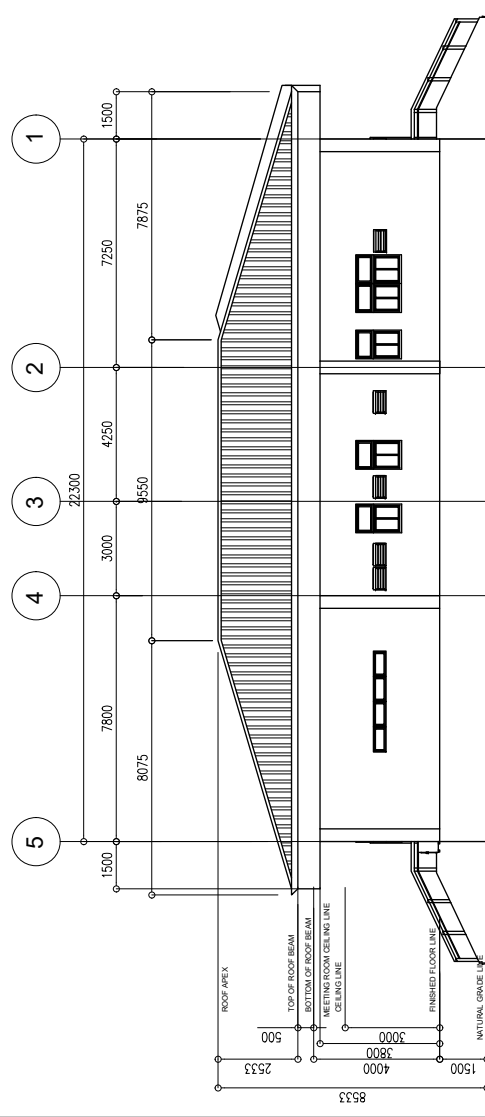
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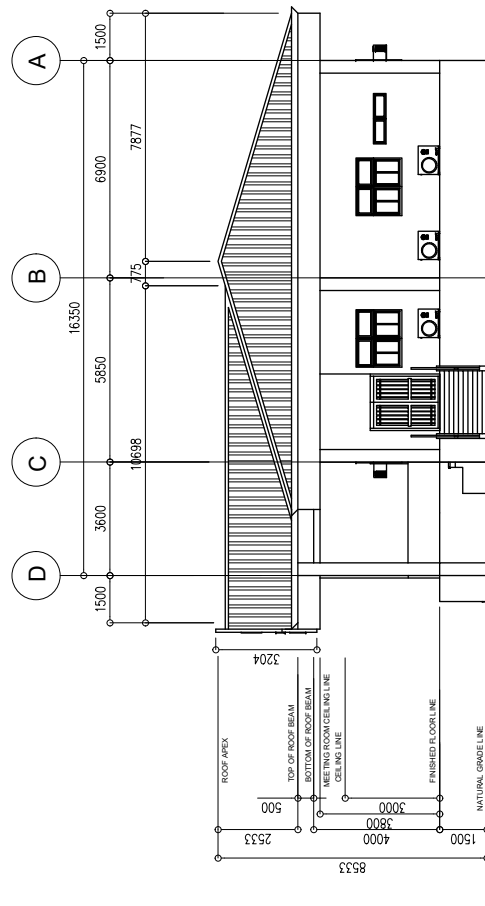
STAE MANATUTO
FRONT ELEVATION
SCALE: 1:80 MTS



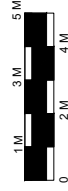
STAE MANATUTO
LEFT ELEVATION
SCALE: 1:80 MTS

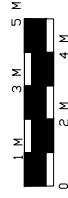


STAE MANATUTO
REAR ELEVATION
SCALE: 1:80 MTS



STAE MANATUTO
RIGHT ELEVATION
SCALE: 1:80 MTS

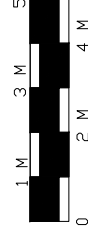
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[illegible]

LED EMERGENCY LIGHT

EXIT LIGHT

150MM DIA. LED DOWN LIGHT



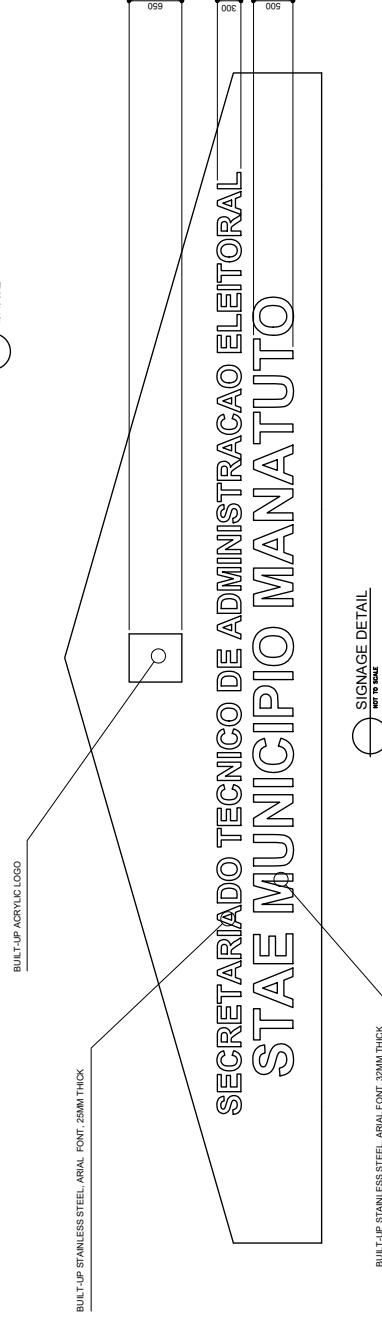
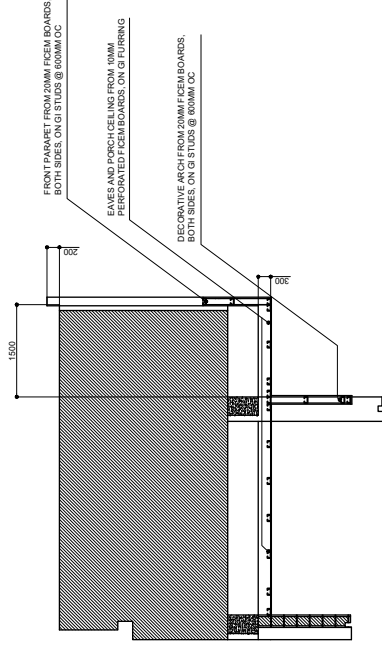
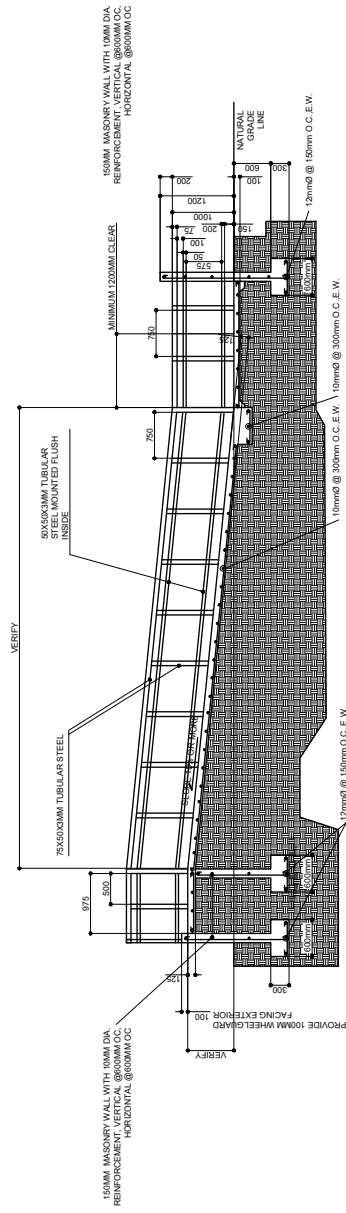
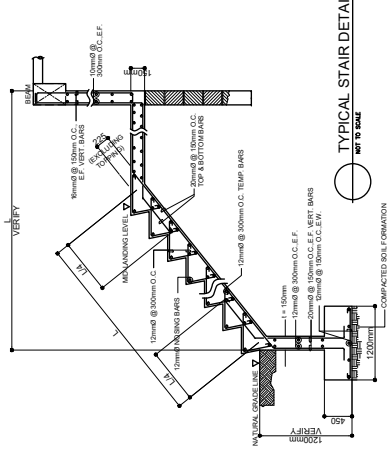
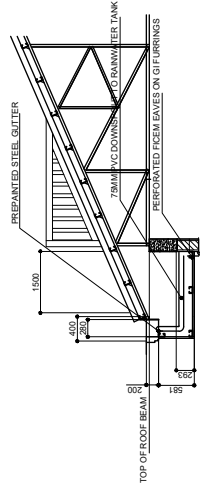
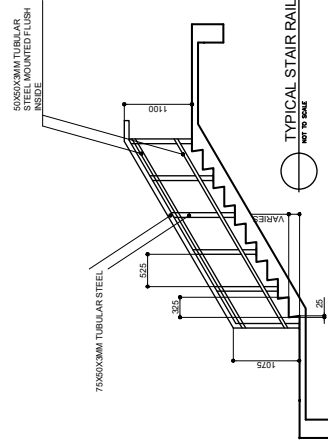
STAE MANATUTO
REFLECTED CEILING PLAN SCALE: 1:60 MTS

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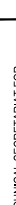
[illegible]

FINISH SCHEDULE			
AREA	LOCATION	FINISH/INSTRUCTIONS	COLOR
EXTERIOR AREAS			
EXTERIOR RAMPS	FLOOR	300X300MM PAVER TILES	RED
STAIRS	FLOOR	300X300MM TEXTURED CERAMIC STAIR TILES WITH NOSING	BEIGE
LOWER WALL BELOW FLOOR LINE	WALL	SEMI GLOSS LATEX	GRAY
WALL ABOVE FLOOR LINE	WALL	SEMI GLOSS LATEX	LIGHT YELLOW
EAVES	EAVES	SEMI GLOSS LATEX	GRAY
GUTTER	GUTTER	FLAT LATEX	GRAY
EXPOSED DOWNSPOUTS	DOWNSPOUTS	SEMI GLOSS LATEX	SAME COLOR AS WALL
ROOFING SHEETS	ROOF	PREPARED 25MM CORRUGATED LONG SPAN GI SHEETS WITH 25MM PE INSULATION	RED
RAMP AND STAIR BALRAILS	RAILINGS	WARRNE EPOXY PRIMER, QUICK DRY ENAMEL TOP COAT	GRAY
STEEL DOORS AND JAMBS	DOORS AND JAMBS	WARRNE EPOXY PRIMER, QUICK DRY ENAMEL TOP COAT	GRAY
ROOF LOUVERS	ROOF LOUVERS	POWDER COATED ALUMINUM DOOVERS AND TUBULAR FRAMES	LIGHT YELLOW
WINDOW JAMBS AND FRAMES	WINDOW JAMBS AND FRAMES	POWDER COATED ALUMINUM JAMBS AND FRAMES	GRAY
INTERIOR AREAS			
WOODEN DOOR, JAMBS AND FRAMES	WOODEN DOOR, JAMBS AND FRAMES	QUICK DRY SEMI GLOSS ENAMEL	GRAY
STEEL DOOR, JAMBS AND FRAMES	STEEL DOOR, JAMBS AND FRAMES	WARRNE EPOXY PRIMER, QUICK DRY ENAMEL TOP COAT	GRAY
ALL ROOMS EXCEPT TOILETS AND ELECTRICAL ROOM AND SERVER ROOM	FLOORS	800X800MM SEMI HOMOGENOUS CERAMIC POLISHED FLOOR TILES	BEIGE
BASEBOARD	WALLS	SEMI GLOSS LATEX	GRAY
TOILETS	FLOORS	300X300 TEXTURED CERAMIC FLOOR TILES	BEIGE
TOILETS	WALLS	300X300 POLISHED CERAMIC TILES, UP TO 2M HIGH	BEIGE
ALL WALLS EXCEPT TOILETS	WALLS	SEMI GLOSS LATEX	LIGHT YELLOW
ELECTRICAL ROOM, SERVER ROOM, ALL AREAS	FLOORS	300X300 HOMOGENOUS VINYL TILES	BEIGE
DOOR HINGES, DOORNOBS	CEILING	FLAT LATEX	ECSHELL WHITE
	HARDWARE	STAINLESS STEEL SATIN FINISH	SILVER
NOTES: 1. ARCHITECTURAL DETAILS, INTERIOR DESIGN DETAILS, COLORS AND MATERIALS SHALL SUPERSEDE THIS FINISH SCHEDULE 2. FURNISH THE OWNER WITH SAMPLES PRIOR TO INSTALLATION			

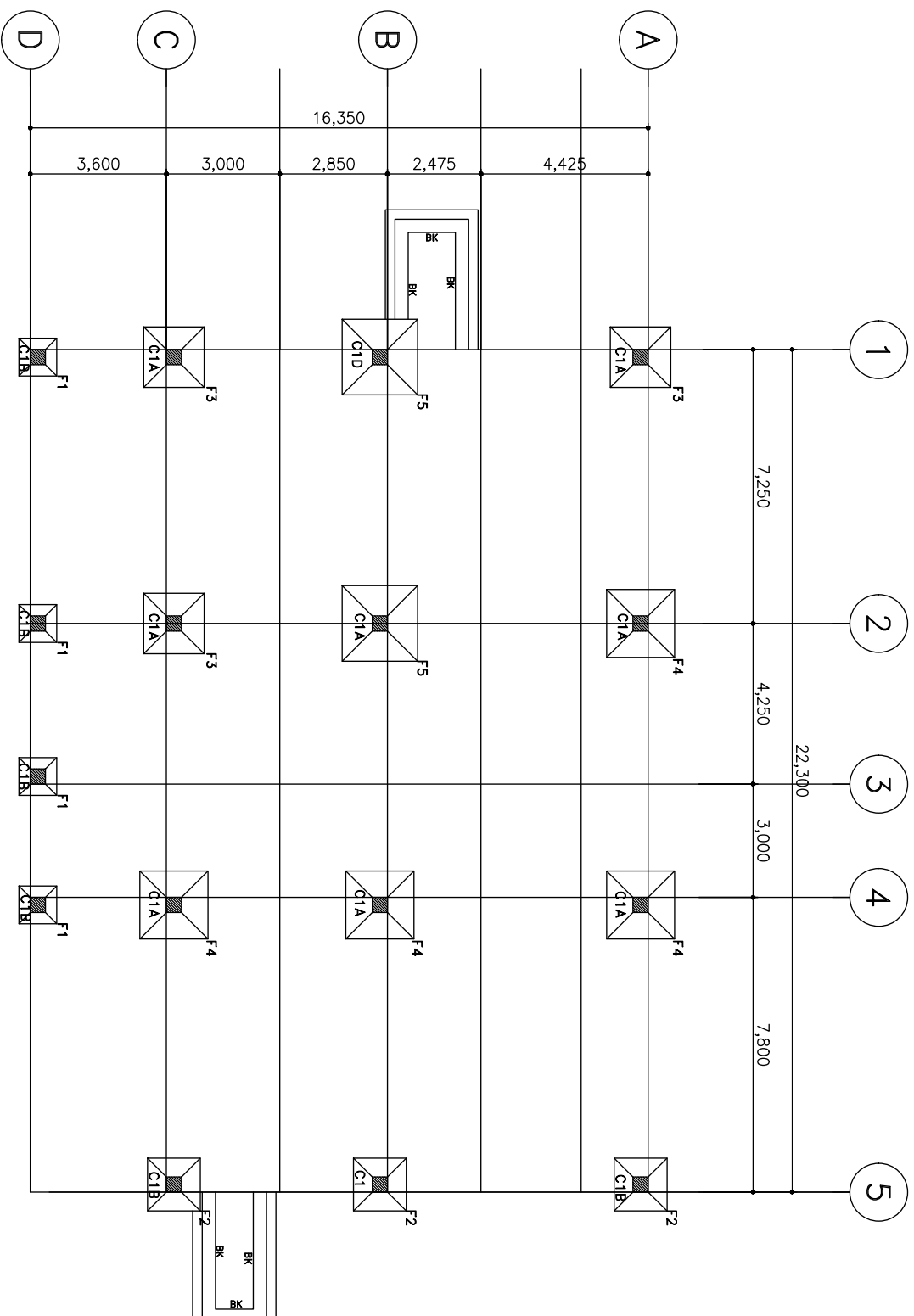
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SECRETARIADO TECNICO DE ADMINISTRACAO ELEITORAL STAE MUNICIPIO MANATUTO

PROJECT TITLE:	UNDP CORE-TL	SHEET CONTENTS:	STAIR DETAIL RAMP DETAIL TYPICAL ROOF LOWER DETAIL TYPICAL GUTTER AND EAVE DETAIL SIGNAGE DETAIL	SHEET NO.	DESIGN CONTRACTOR:	CONCRETEWORK TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION  STAE SECRETARIAT TÉCNICO DE ADMINISTRACIÓN ELECTORAL	CONCRETEWORK	DOMINICAN REPUBLIC OF THE JUDICIAL UNITED NATIONS DEVELOPMENT PROGRAMME  UNDP UNITED NATIONS DEVELOPMENT PROGRAMME	DATE REV. 1 MARK / DESCRIPTION REVISION HISTORY
LOCATION:	MANATUTO	UNDP NO.:	A8	REV. NO.		ITTO DE JUDICIAL DE COSTA FINAL (REVISION 1)			

REINFORCEMENT :

 $D \geq 10 \text{ BUTD } F_y = 400 \text{ MPa}$ [illegible]STAE MANATUTO
FOUNDATION PLAN

SKALA 1 : 60

PROJECT TITLE:	SHEET CONTENTS		SHEET NO.	DESIGN CONTRACTOR:	COVER SHEET	DRAWING	
UNDP CORE-TL	S/HE MANAUTU FOUNDATION PLAN				 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION		
LOCATION:	DPNG NO.	REF. NO.					
MANAUTU	S1						
			DRAWING		  REGIONAL BUREAU OF NEW PART UNITED NATIONS DEVELOPMENT PROGRAMME		
			170, DE. ASSIS. FINE, LA. 00734 PROJECT LOCATION		170, DE. ASSIS. FINE, LA. 00734 LOCAL ADDRESS PROJECT		
			REV.	DATE	MARK / DESCRIPTION	REVISION HISTORY	
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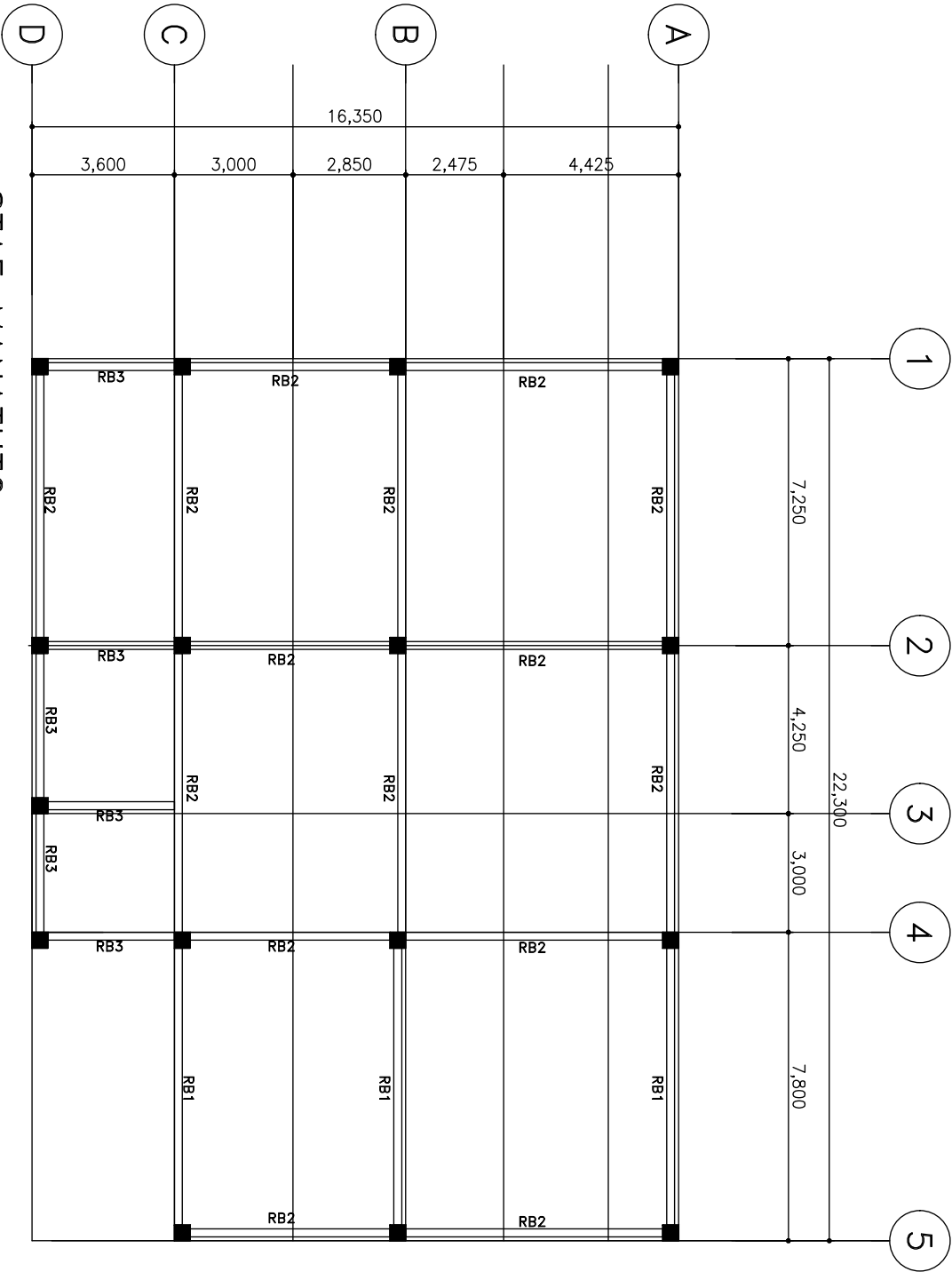
CONCRETE $f_c=25$ MPa
REINFORCEMENT :
 $\phi < 10$ BTP $f_y = 240$ MPa
 $D \geq 10$ BTD $f_y = 400$ MPa



PROJECT TITLE:		SHEET CONTENTS:		SHEET NO.:		DESIGN CONTRACTOR:		CONTRIBUTOR:		GRANTING:																																																																																																																																																																																																																																																																																																																																															
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CONCRETE $f_c=25$ MPa
REINFORCEMENT :
 $\phi < 10$ BLP $f_y = 240$ MPa
 $\phi \geq 10$ BLP $f_y = 400$ MPa

MARK	DIMENSION	MARK	DIMENSION
TB1	250 X 600		
TB2	250 X 500		
TB2A	250 X 500		
TB3	250 X 400		
TB4	200 X 400		
TB5	200 X 300		
C1	400 X 400		
C1A	400 X 400		
C1B	400 X 400		
RB1	200 X 600		
RB2	200 X 500		
RB3	200 X 300		



STAE MANATUTO
RING BEAM PLAN

SKALA 1 : 60

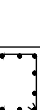
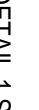
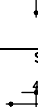
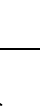
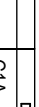
PROJECT TITLE		SHEET CONTENTS		SHEET NO.		DESIGN/CONTINUATION		CONCESSION/NAME		QUANTITY	
UNDP CORE-TL		STAE MANATUTO RING BEAM PLAN						TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION		UNITED NATIONS DEVELOPMENT PROGRAMME	
LOCATION: MANATUTO		DRAW NO. S3		REV. NO.				TINU DE KESIA KUPU DA 5557A		DINA DE KESIA KUPU DA 5557A	
								REVISION HISTORY		REVISION HISTORY	
								DATE		MARK / DESCRIPTION	
								OBTAINATION		CLIENT	

TIEBEAM DETAIL 1ST FLOOR

[illegible]

TYPE / DIMENSION		TB5 200 x 300	
TIE-BEAM	Position	End	Mid
	TOP REBAR	3-D10	3-D10
	MID REBAR	-	-
	BOT REBAR	3-D10	3-D10
	Stirrup	D10-100	D10-150

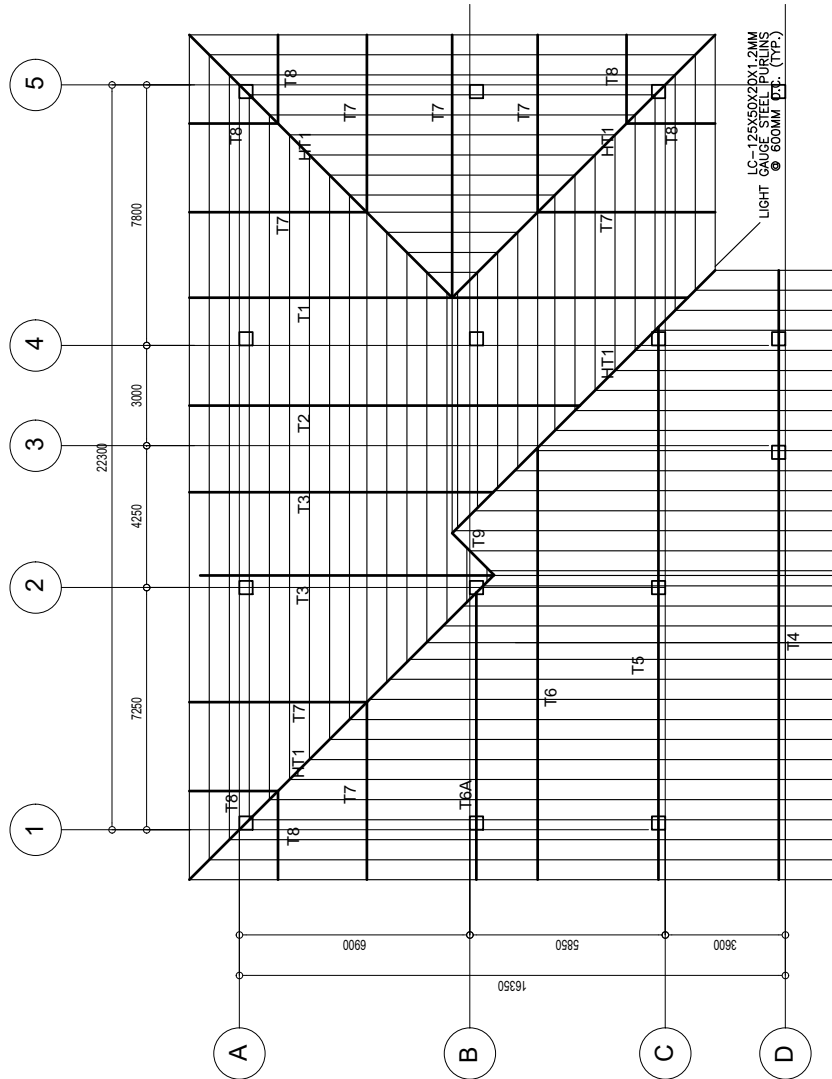
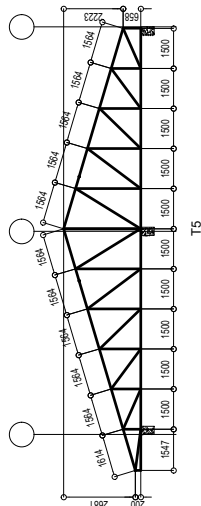
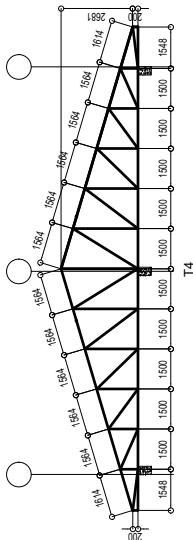
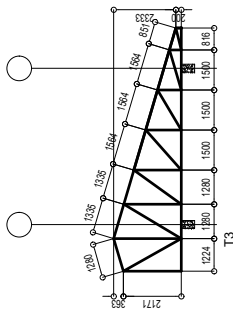
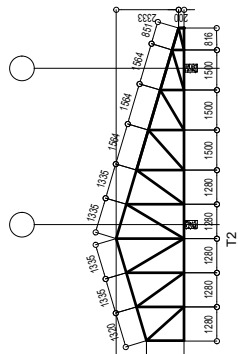
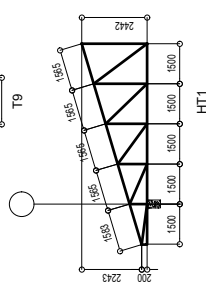
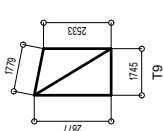
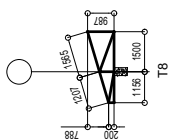
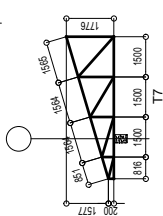
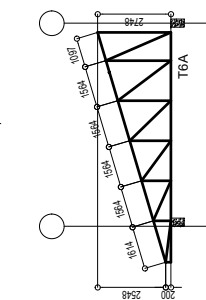
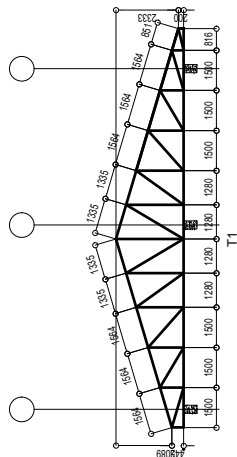
COLUMN DETAIL 1 ST FLOOR

TYPE	DIMENTION	DIMENTION	DIMENTION	DIMENTION	DIMENTION
C1	400 x 400	C1A 400 x 400	C1B 400 x 400	C1C 400 x 400	C1D 400 x 400
Main Rebar	    				
	    				
Strrup	D10-150 D10-150	D10-150 D10-150	D10-150 D10-150	D10-150 D10-150	D10-150 D10-150

RING BEAM DETAIL

TYPE / DIMENSI		RB1 200 x 600		RB2 200 x 500		RB3 200 x 300	
RING-BEAM							
	Posisi	End	Mid	End	Mid	End	Mid
	TOP REBAR	5-D10	5-D10	4-D10	4-D10	3-D10	3-D10
	MID REBAR	2-D10	2-D10	2-D10	2-D10	-	-
	BOT REBAR	5-D10	5-D10	4-D10	4-D10	3-D10	3-D10
Strrup	D10-100	D10-150	D10-100	D10-150	D10-150	D10-150	

[illegible]

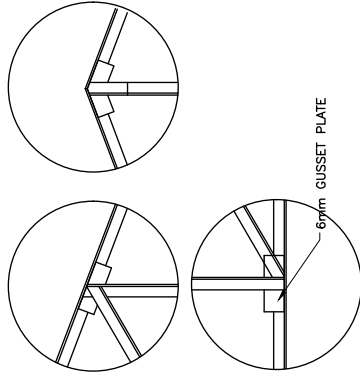


LC-125X50X20X1.2MM
LIGHT GAUGE STEEL PURLINS
© 600MM P.C. (TYP.)

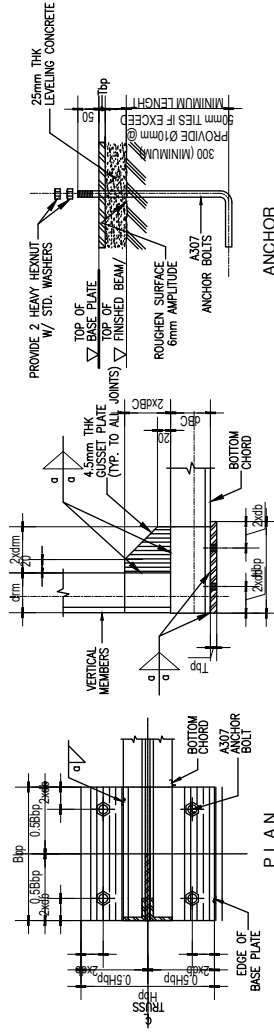
STAE MANATUTO
FLOOR PLAN
SCALE: 1:80 MTS

ROOF TRUSSES
NOT TO SCALE

[illegible]



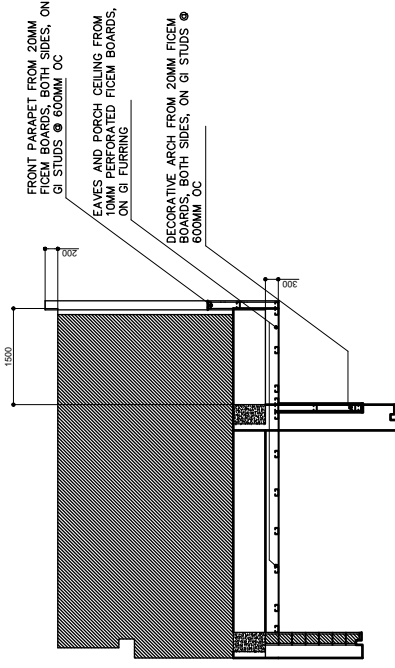
PURLIN CONNECTION DETAIL



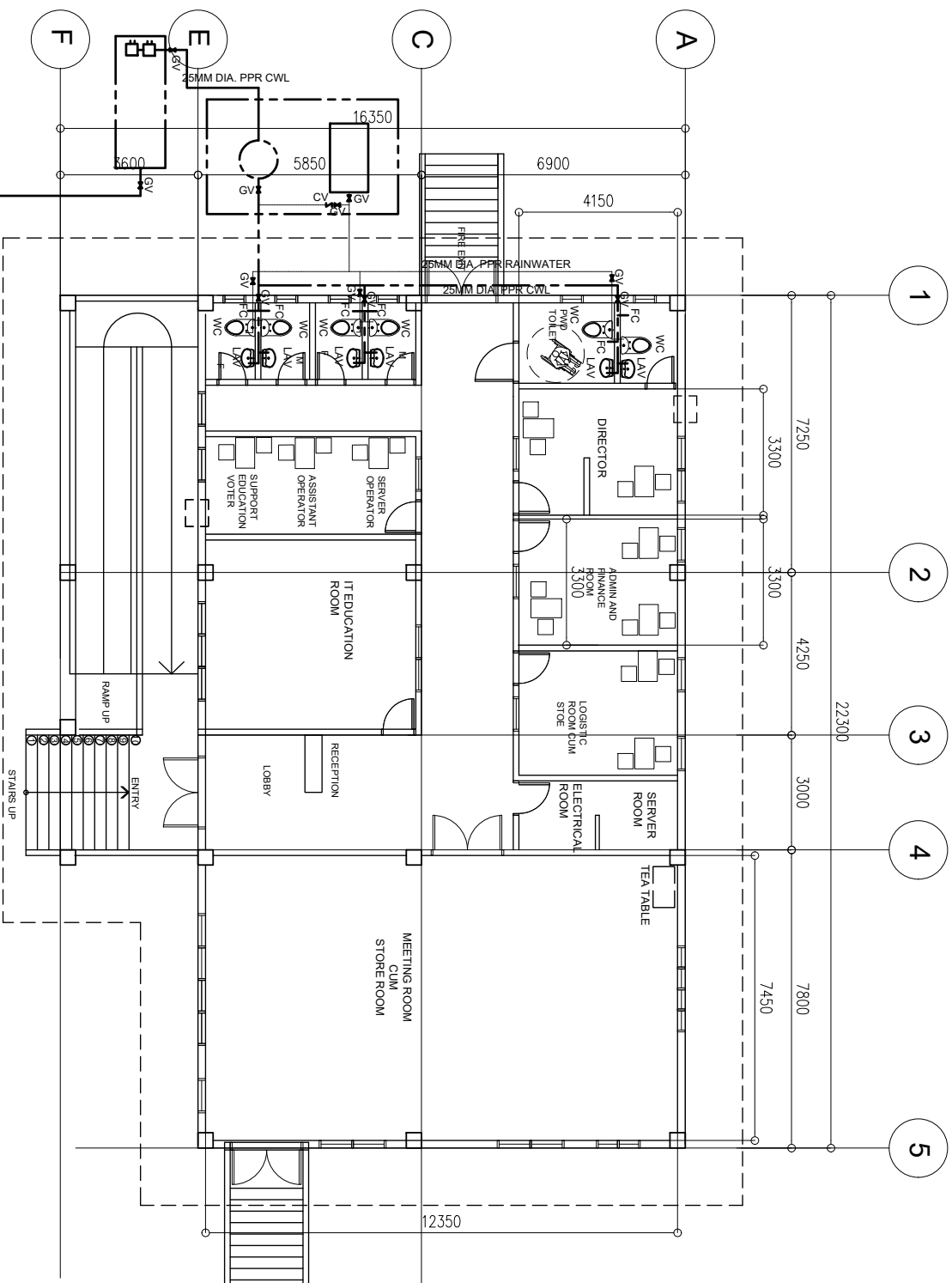
SECTION

SCHEDULE OF TRUSS TO BASEPLATE CONNECTION						
BASEPLATE MARK	DIMENSIONS			BOLTS		WELD LEG "a" (mm)
	Bbg(mm)	Htp(mm)	Tbp(mm)	Ø(mm)	LENGTH(mm)	
BP1 (TP-3)	250	400	16	#20-A307	4	400
						12

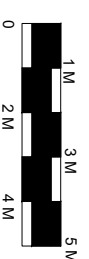
DETAIL OF PARAPET, DECORATIVE ARCH AND EAVES



DETAIL OF PARAPET, DECORATIVE ARCH AND EAVES

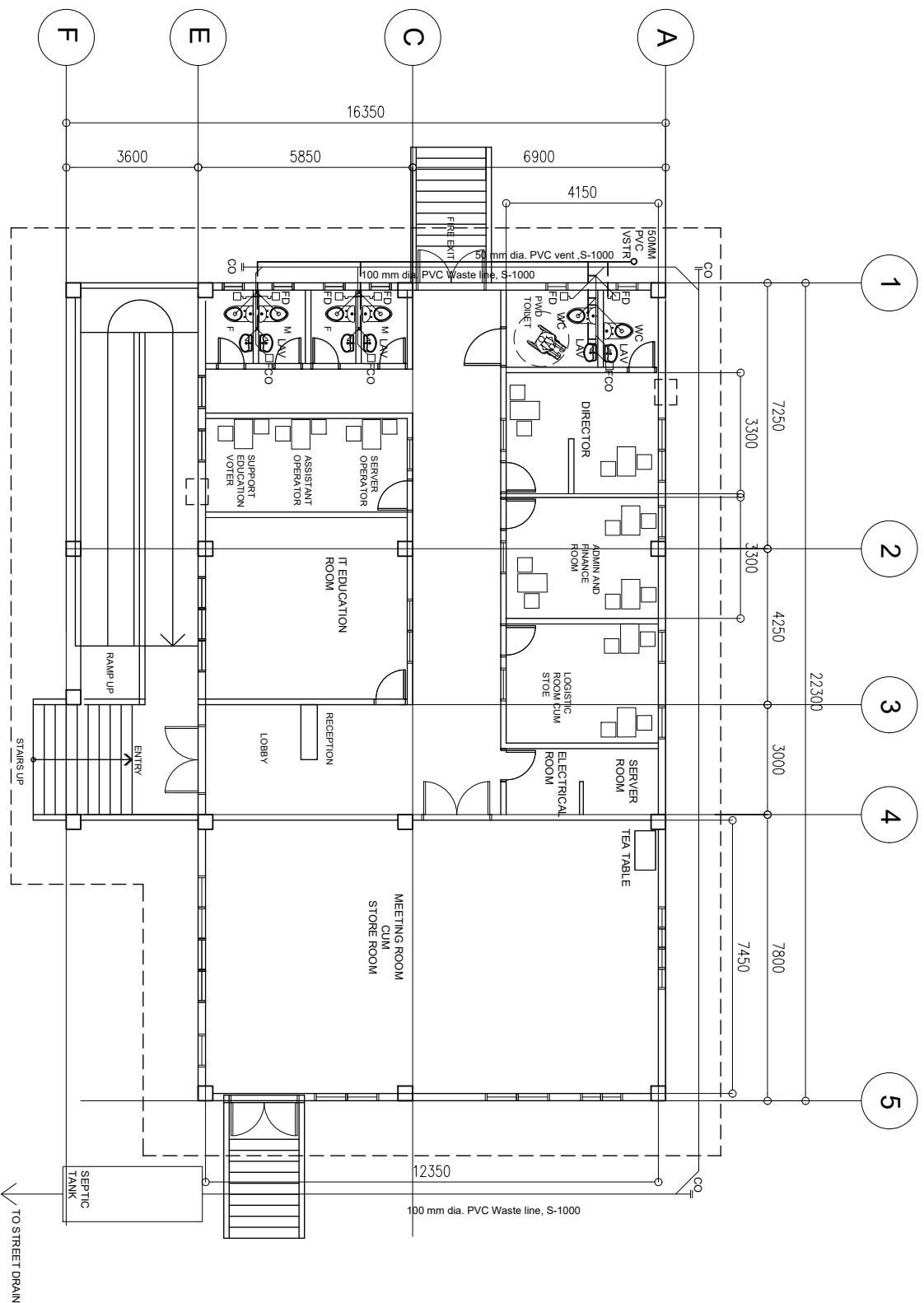


STAE MANATUTO
WATER SUPPLY LAYOUT
SCALE: 1:60 MTS



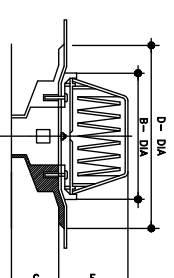
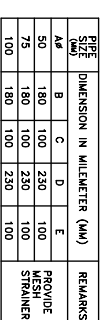
- LEGEND**
- WATER METER
 - TRANSFER PUMPS
 - GATE VALVE
 - CHECK VALVE
 - FAUCET
 - LAVATORY
 - URINAL
 - WATER CLOSET
 - CLEAN OUT
 - FLOOR DRAIN
 - VENT STACK THRU ROOF
 - FLOOR CLEAN OUT

PROJECT TITLE	SHEET CONTENTS	SHEET NO.	DESIGN/CONSTRUCTION	CONSULTANT	GRANTOR	REVISION HISTORY
UNDP CORE-TL	STAE MANATUTO WATER SUPPLY LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME PROJECTS, SERVICES & PROGRAMS UNITED NATIONS DEVELOPMENT PROGRAMME UNITED NATIONS DEVELOPMENT PROGRAMME	
LOCATION:	DWG. NO.	REV. NO.				
MANATUTO	P2					



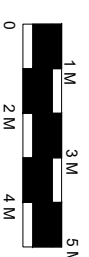
STAE MANATUTO
SEWER LINE LAYOUT
SCALE: 1:60 MTS

PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:	DESIGN/CONTRACTOR:	CONTRACTOR NAME:	GRANTOR:	REVISION HISTORY:
UNDP CORE-TL	STAE MANATUTO SEWER LINE LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME PROJECT SECRETARIAT & FIELD OFFICE UNITED NATIONS DEVELOPMENT PROGRAMME PROJECT SECRETARIAT & FIELD OFFICE	
LOCATION:	DWG. NO.:	REV. NO.:				
MANATUTO	P3					



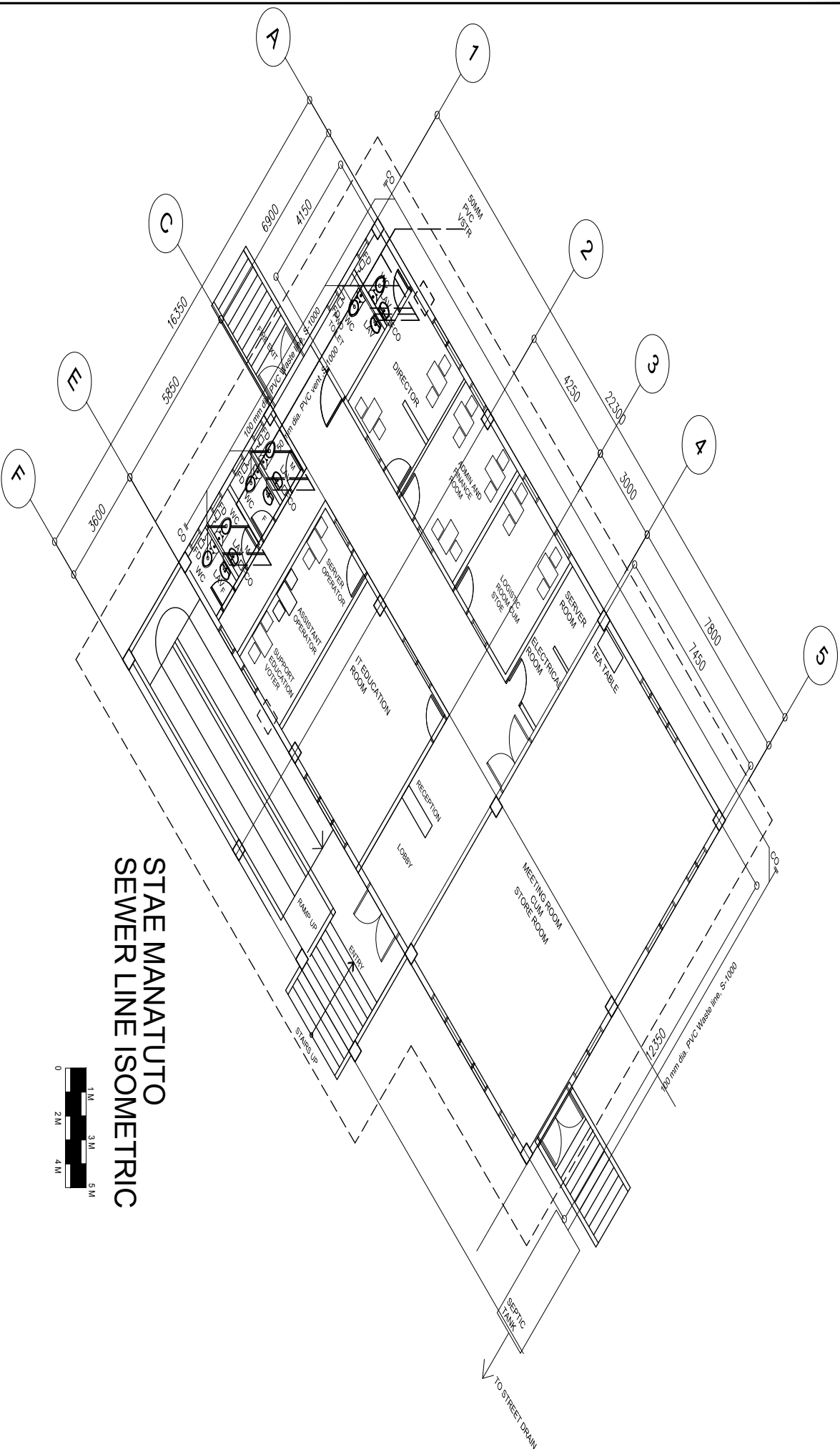
ROOF DRAIN DETAIL

PIPE SIZE (mm)	DIMENSION IN MILEMETER (MM)					REMARKS
	A ^a	B	C	D	E	
75	180	100	230	100		PROVIDE
50	180	100	230	100		MESH
100	180	100	230	100		STRAINER

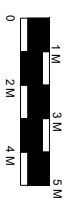


1:75 MTS

PROJECT TITLE	SHEET CONTAINS	SHEET NO.	DESIGN CONTRACTOR	CONSULTANT	GRANTOR
UNDP CORE-TL	STAE MANANTU STORM DRAIN LAYOUT			 STAE STAE ENGINEERING & ARCHITECTURE PVT. LTD. TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	 UNITED NATIONS DEVELOPMENT PROGRAMME PROJECT TENDER NO. 2017-02-0018 DATE 05/01/2018 UNDP HQ: SHARADA BHAWAN LOCAL OFFICE: MANANTU
MANANTU	P4				
REVISION HISTORY					
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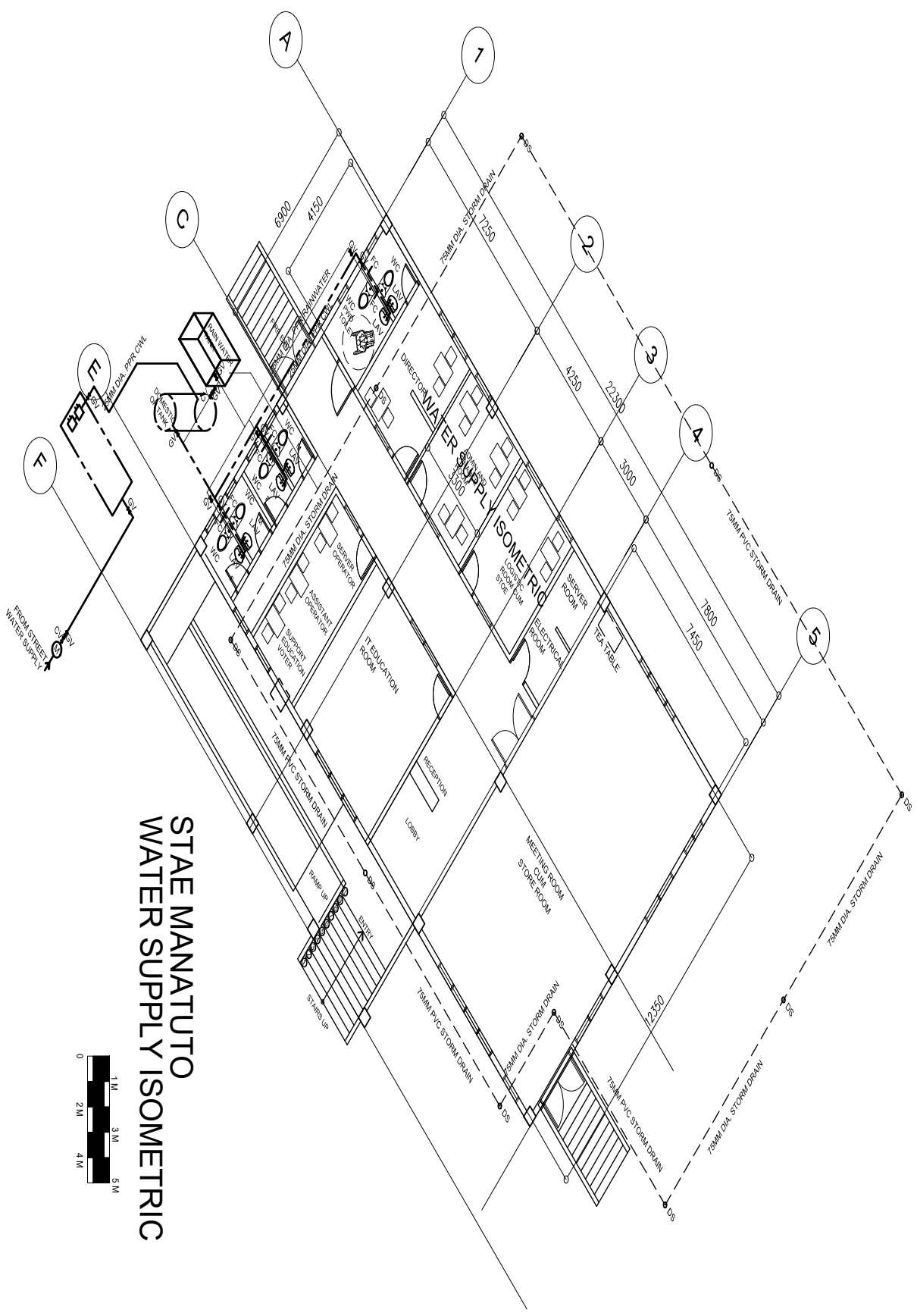


STAE MANATUTO
SEWER LINE ISOMETRIC



PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:	DESIGN/CONTRACTOR:	CONTRACTOR NAME:	GRANTOR:	REVISION HISTORY:
UNDP CORE-TL	STAE MANATUTO ISOMETRIC SEWER LINE LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME UNITED NATIONS DEVELOPMENT PROGRAMME UNITED NATIONS DEVELOPMENT PROGRAMME	
LOCATION:	DWG. NO.:	REV. NO.:				
MANATUTO	P5					

PROJECT TITLE	SHEET CONTENTS	SHEET NO.	DESIGN CONTRACTOR	CONCESSIONAIRE	GRANTOR					
UNDP CORE-TL	STATE MAMAMUTO ISOMETRIC WATER SUPPLY LAYOUT			 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	 UNITED NATIONS DEVELOPMENT PROGRAMME D/P	REPUBLIC OF MYANMAR MINISTRY OF ELECTRICITY AND ENERGY STATE POWER GRID	DATE REVISION HISTORY	DATE MARK / DESCRIPTION	DATE REVISION HISTORY	DATE REVISION HISTORY
LOCATION	DRAW NO.	REV. NO.								
MAMAMUTO	P6									

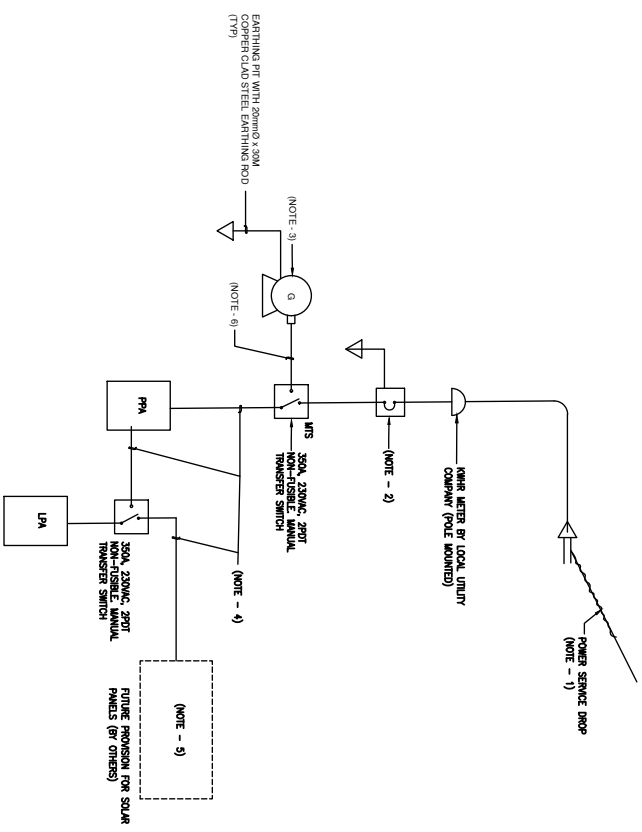
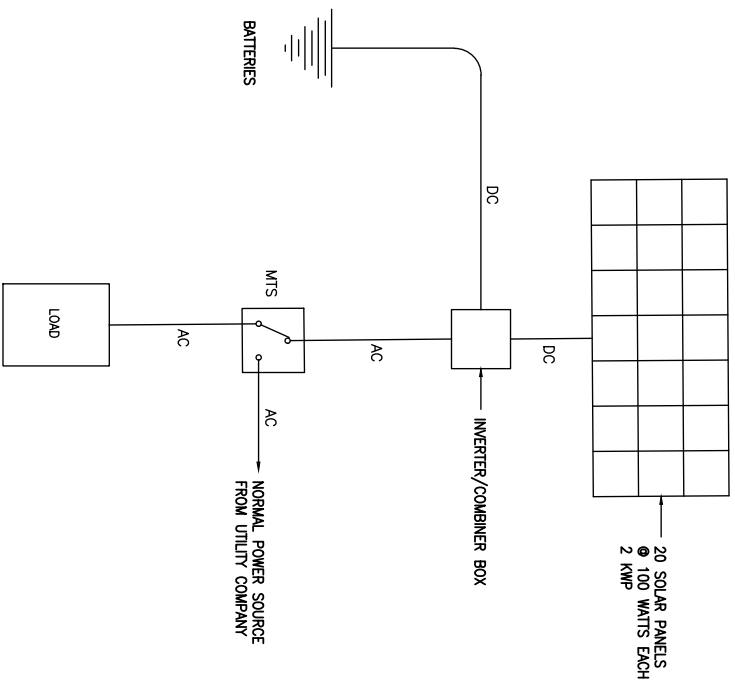


SYMBOL	DESCRIPTION	MOUNTING
○	CEILING LIGHT OUTLET WITH 100W LED TYPE LIGHTING FIXTURE, (PHILIPS OR APPROVED EQUAL (FOR OFFICE AREAS/MEETING RMS)	CEILING / RECESSED
○	PULLIGHT OUTLET WITH 50W LED TYPE LIGHTING FIXTURE	CEILING / RECESSED

- | | | |
|---|--|----------------|
|  | GARDEN LIGHTING FIXTURE WITH 50W LED LIGHTING FIXTURE OUTDOOR TYPE (AS MAY BE REQUIRED/APPROVED) | WALL / SURFACE |
|  | 3SPST WALL SWITCH, 10A, 230VAC, WITH MATCHING PLATE COVER "PANASONIC" BRAND OR APPROVED EQUAL | WALL / FLUSH |
|  | ---do--- BUT WITH 2 OR 3 SPST SWITCH IN ONE PLATE COVER "PANASONIC" BRAND OR APPROVED EQUAL | WALL / FLUSH |
|  | 3 OR 4 WAY SWITCH WITH MATCHING PLATE COVER "PANASONIC" BRAND OR APPROVED EQUAL | WALL / FLUSH |
|  | DUPLEX CONVENIENCE OUTLET 15A, 250VAC PARALLEL SLOTS, GROUNDING TYPE, WITH MATCHING PLATE COVER, PANASONIC or APPROVED EQUAL | WALL / FLUSH |
|  | ---do--- BUT 300MM ABOVE COUNTER TOP | WALL / FLUSH |
|  | ---do--- BUT WITH WEATHERPROOF PLATE | WALL / FLUSH |
|  | ---do--- BUT FOR EXHAUST FAN | WALL / FLUSH |
|  | ---do--- BUT FOR ACU OUTLET | WALL / FLUSH |
|  | CONDUIT OR TUBING RUN EXPOSED/INSIDE CEILING OR UNDERFLOOR: HASH MARKS | N/A |
|  | INDICATE NUMBER OF WIRES
POWER SERVICE ENTRANCE
230VAC, 1-PH, 3-WIRES, 50HZ | N/A |
|  | POWER SERVICE ENTRANCE | |
|  | KWHR METER | |
|  | PANELBOARD | |
|  | MANUAL TRANSFER SWITCH | |
|  | WALL EXHAUST FAN | |
|  | CEILING MOUNTED EXHAUST FAN | |
|  | SERVER OUTLET | |
|  | REFRIGERATOR OUTLET | |

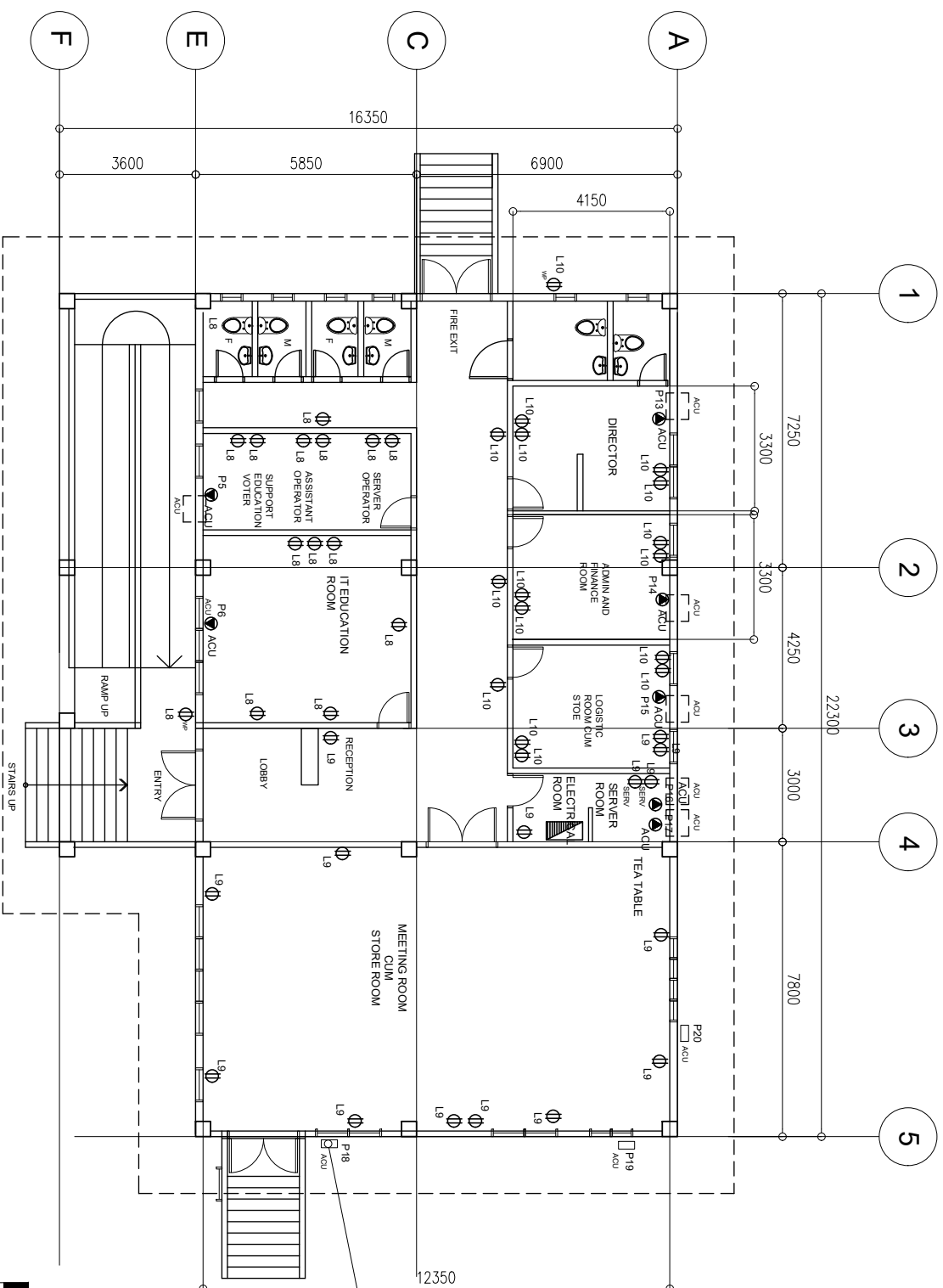
MOUNTING	
CEILING / RECESSED	
CEILING / RECESSED	
3) WALL / SURFACE	
WALL / FLUSH	
WALL / FLUSH	
WALL / FLUSH	
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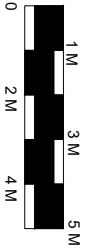


- NOTES:**
1. POWER SERVICE DROP BY LOCAL UTILITY COMPANY, OVERHEAD 230VAC, 1PH, 3W, (1+N+G) 50HZ, COORDINATE WITH LOCAL UTILITY COMPANY REPRESENTATIVE PRIOR TO INSTALLATION.
 2. POLE-MOUNTED MAIN INCOMING CIRCUIT BREAKER 300AT/350A⁺, 2P, 230VAC IN NEMA-3R/IP54 ENCLOSURE. MOUNTED @ 1.40M FROM FINISH GRADE LINE ON CENTER.
 3. 75KW, 230VAC, 1PH, 3W (1+N+G) 50HZ, SKID-MOUNTED DIESEL DRIVEN GENERSET OUTDOOR TYPE WITH MATCHIN OUTPUT CIRCUIT BREAKER.
 4. FOR FEEDER (C.B./S./WIRES) SIZES/RATINGS, REFER TO PANELBOARD SCHEDULES.
 5. FUTURE ROOF-MOUNTED SOLAR PANELS, COMPLETE WITH INVERTERS, BATTERIES, MOUNTING ACCESSORIES, CABLING/WIRING & OUTPUT CIRCUIT BREAKERS.
 6. RATED @25KW, 230VAC, 1PH, 3W, 50HZ (1+N+G) BY OTHERS.
 7. ALL CONDUIT RUNS BELOW GRADE SHALL BE IN RIGID PVC INSTALLED @ 1.5M (MIN.) FROM FINISH GRADE LINE, WITH CONCRETE ENVELOPE 100MM (MIN.) THICK ALL AROUND.
 8. STAE POWER SINGLE LINE DIAGRAM SHALL BE TYPICAL FOR SITES MANANTUTO, VIQUEQUE & COVALIMA.

[illegible]



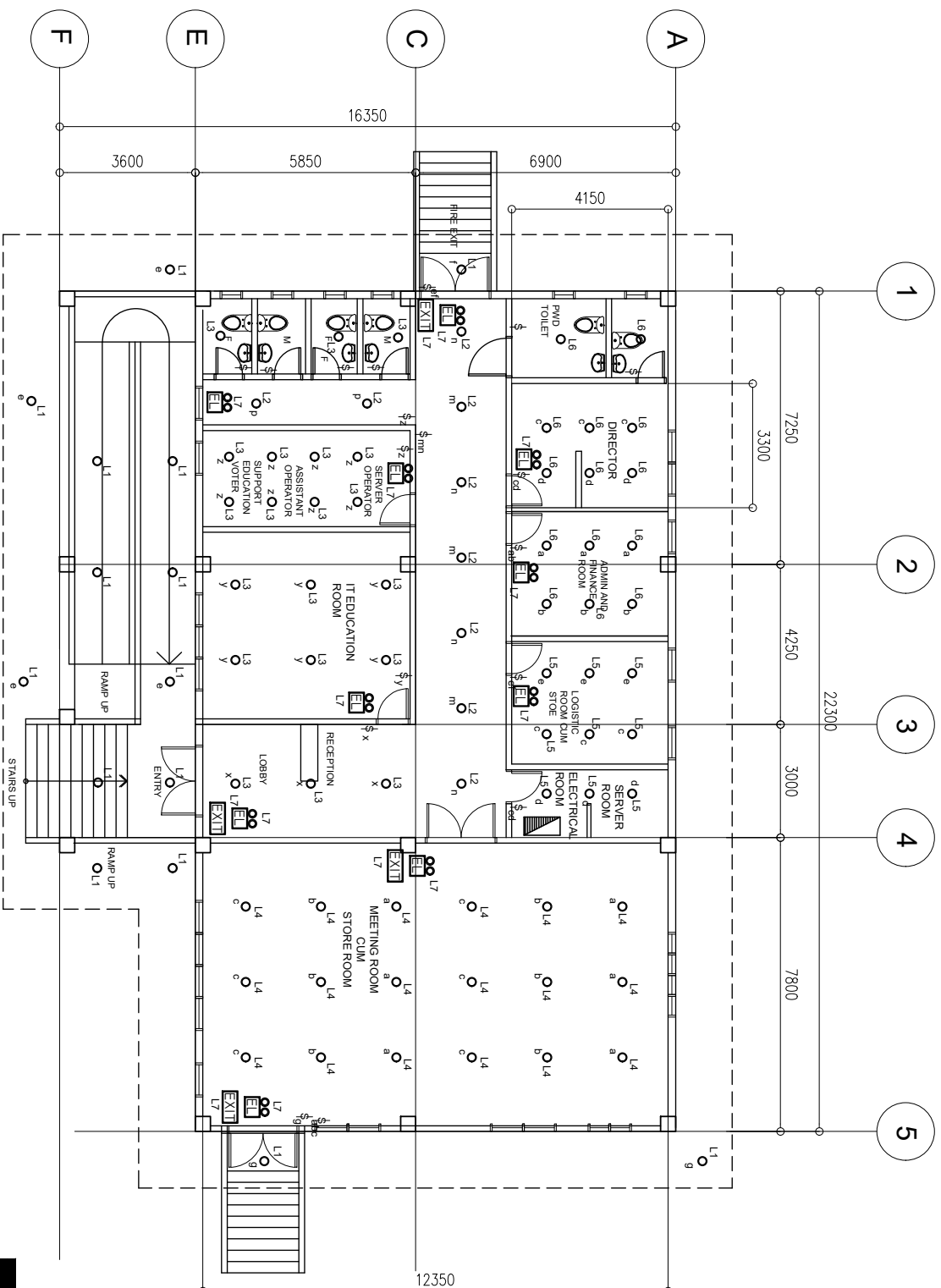
60A, 2P + G, CIRCUIT BREAKER
IN NEMA 3R/1P-54 ENCLOSURE
PROVISION FOR 4HP SPLIT TYPE
ACU (TYPICAL)



STAE MANATUTO POWER LAYOUT

SCALE: 1:60 MTS

PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:	DESIGN/CONTRACTOR:	CONTRACTOR NAME:	GRANTOR:																														
UNDP CORE-TL	STAE MANATUTO POWER LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME																														
LOCATION:	DWG. NO.:	REV. NO.:																																	
MANATUTO	E3																																		
<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>MARK / DESCRIPTION</th> <th>REVISION HISTORY</th> <th>CLIENT</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						REV.	DATE	MARK / DESCRIPTION	REVISION HISTORY	CLIENT	1					2					3					4					5				
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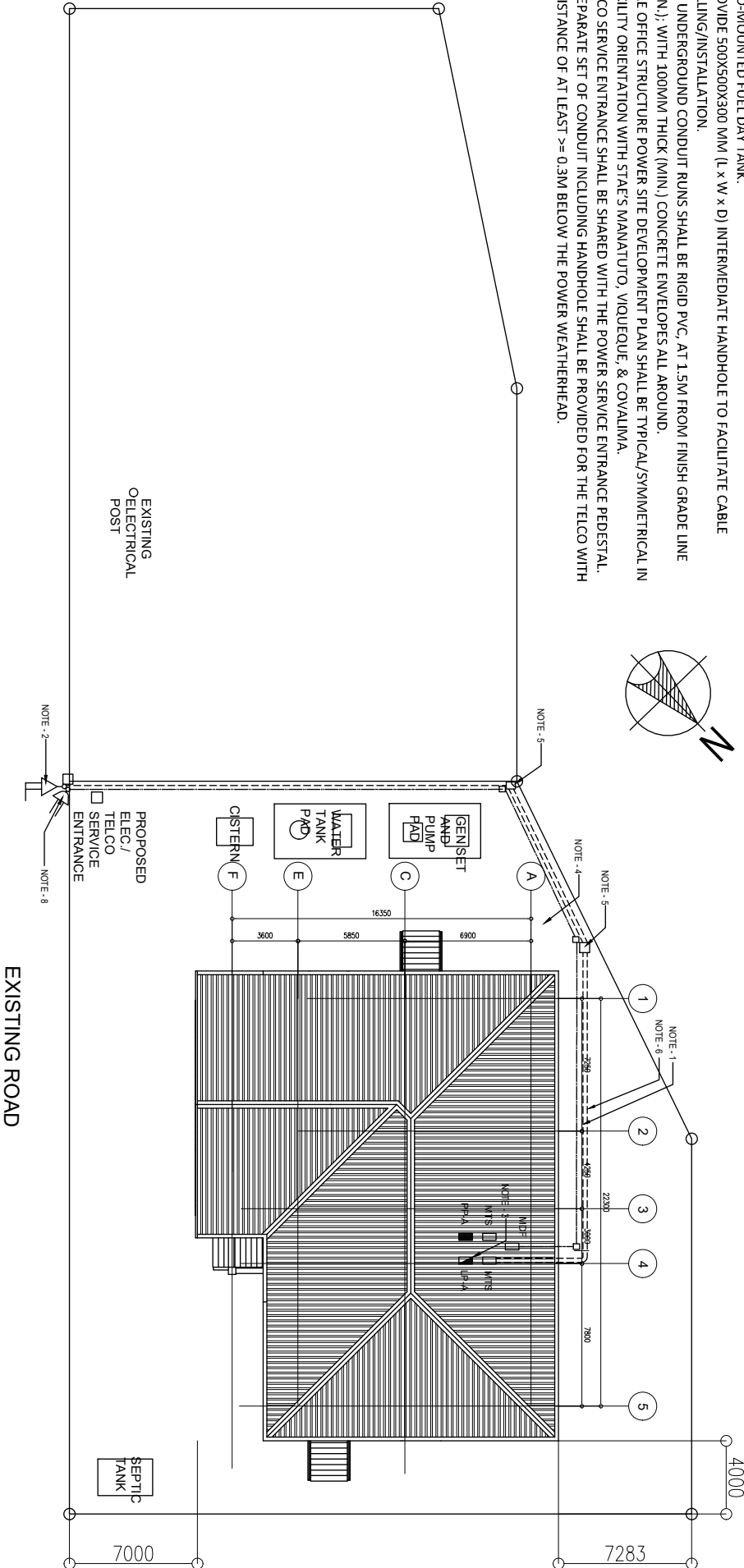


STAE MANATUTO
LIGHTING LAYOUT
SCALE: 1:80 MTS

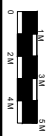
PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:	DESIGN/CONTRIBUTOR:	CONTRIBUTOR:	GRANTOR:																																				
UNDP CORE-TL	STAE MANATUTO LIGHTING LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME UNITED NATIONS DEVELOPMENT PROGRAMME																																				
LOCATION:	OWNER NO.:	REV. NO.:																																							
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REV.	DATE	MARK / DESCRIPTION	REVISION HISTORY	DATE	CLIENT																																				
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Notes:

1. FOR FEEDER SIZES/RATINGS, REFER TO THE POWER SINGLE LINE DIAGRAM.
2. POWER/TELCO SERVICE ENTRANCE: PEDESTAL: TYPE, DETAILS & DIMENSIONS SHALL COMPLY/CONFORM WITH THE LOCAL UTILITY COMPANY STANDARDS & REQUIREMENTS.
3. REFER TO THE PANELBOARD SCHEDULES FOR LOAD DISTRIBUTION & BRANCH CIRCUIT/FEEDER SIZES AND RATINGS.
4. 75KW, 230VAC, 1 HP 3W 50 HZ SKID-MOUNTED DIESEL DRIVEN GENSET OUTDOOR TYPE WITH SKID-MOUNTED FUEL DAY TANK.
5. PROVIDE 500X500X300 MM (L x W x D) INTERMEDIATE HANDHOLE TO FACILITATE CABLE PULLING/INSTALLATION.
6. ALL UNDERGROUND CONDUIT RUNS SHALL BE RIGID PVC, AT 1.5M FROM FINISH GRADE LINE (MIN.), WITH 100MM THICK (MIN.) CONCRETE ENVELOPES ALL AROUND.
7. STAE OFFICE STRUCTURE POWER SITE DEVELOPMENT PLAN SHALL BE TYPICAL/SYMMETRICAL IN FACILITY ORIENTATION WITH STAE'S MANATUTO, VIQUEQUE, & GOVALIMA.
8. TELCO SERVICE ENTRANCE SHALL BE SHARED WITH THE POWER SERVICE ENTRANCE PEDESTAL. A SEPARATE SET OF CONDUIT INCLUDING HANDHOLE SHALL BE PROVIDED FOR THE TELCO WITH A DISTANCE OF AT LEAST $\geq 0.3\text{M}$ BELOW THE POWER WEATHERHEAD.



STAE MANATUTO TELCO & POWER
SITE DEVELOPMENT PLAN



PROJECT TITLE	SHEET CONTENTS	SHEET NO.	DESIGN/CONTRIBUTOR	CONTRACT NUMBER	GRANTOR	REVISION HISTORY
UNDP CORE-TL	STAE MANATUTO TELCO & POWER SITE DEVELOPMENT PLAN					
LOCATION:	CDWG. NO.	REV. NO.				
MANATUTO	66					

REV.	DATE	MARK / DESCRIPTION	REVISION HISTORY	CLIENT
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AUXILIARY SYSTEMS LEGEND & SYMBOLS:

SYMBOL	MOUNTING	DESCRIPTION
☐ MDF	WALL/FLOOR	MAIN DISTRIBUTION FRAME
☐ IDF	FLOOR	INTERMEDIATE DISTRIBUTION FRAME
☐ MNTG	WALL/FLOOR	MAIN TELEPHONE TERMINAL CABINET
☐ IDU	FLOOR	OPEN-BAY/EQUIPMENT RACK 42U, 19" (482.6mm)
☐ CP	AS REQUIRED	CONSOLIDATION POINT 19" (482.6mm) 4U OR 9U OPEN-BAY RACK OR DATA CABINET
☐ PABX	AS REQUIRED	ELECTRONIC PRIVATE AUTOMATIC BRANCH EXCHANGE
☐ UTM	AS REQUIRED	UNIFIED THREAT MANAGEMENT (UTM) / NEXT GENERATION FIREWALL ROUTER
☐ SWITCH	AS REQUIRED	NETWORK SWITCH
☐ PoE	AS REQUIRED	POWER-OVER-ETHERNET (PoE) NETWORK SWITCH
☒ V	WALL 0.3M AFF	DOUBLE WORK STATION OUTLET, VOICE (or DATA) & DATA (2x 4-pair Cat6 RJ45 CABLES)
☒ D	FLOOR	-DITTO- EXCEPT FLOOR MOUNTED
☒ V	AS REQUIRED	SINGLE WORK STATION OUTLET FOR VOICE (or DATA) (4-pair Cat6 RJ45 CABLE)
☒ D	FLOOR	-DITTO- EXCEPT FLOOR MOUNTED
☒ V	AS REQUIRED	SINGLE WORK STATION OUTLET FOR DATA (or VOICE) (4-pair Cat6 RJ45 CABLE)
☒ D	FLOOR	-DITTO- EXCEPT FLOOR MOUNTED
☒ V	AS REQUIRED	SINGLE WORK STATION OUTLET FOR DATA (4-pair Cat6 RJ45 CABLE)
☒ D	CEILING	-DITTO- EXCEPT FLOOR MOUNTED
☐ PULLBOX	CEILING	PULLBOX
☐ APFM	AS REQUIRED	WIFI ACCESS POINT MANAGER, RACK MOUNTED
☒ V	CEILING	WIFI ACCESS POINT
☒ Wp	AS REQUIRED	-DITTO- EXCEPT WEATHERPROOF TYPE.
☐ UPS	AS REQUIRED	UNINTERRUPTIBLE POWER SUPPLY (UPS)

SYMBOL	MOUNTING	DESCRIPTION
☒ VGA	AS REQUIRED	VGA (D-SUB 15-PIN) PORT
☒ VGA+3.5mm	AS REQUIRED	VGA (D-SUB 15-PIN) PORT + 3.5mm AUDIO PORT
☒ HDMI	AS REQUIRED	HDMI PORT FOR PROJECTORS OR LCD/LED TV DISPLAYS
☒ P	AS REQUIRED	LCD PROJECTOR, VGA PORT 15-PIN & HDMI PORT
☒ PTZ	AS REQUIRED	CCTV CAMERA, WITH ZOOM, PAN AND TILT.
☒ PTZ/WP	AS REQUIRED	-DITTO- EXCEPT WEATHERPROOF TYPE.
☐ P	AS REQUIRED	FIXED CCTV CAMERA
☐ WP	AS REQUIRED	-DITTO- EXCEPT WEATHERPROOF TYPE.
☒ P	CEILING	6W SPEAKER, CONE TYPE, 3W OR 1.5W TAP, 70VOLT W/ MATCHING TRANSFORMER.
☒ S	2.3M	HORN TYPE SPEAKER, 10W OR 15W.
☒ V	1.83M AFF	VOLUME CONTROLLER
☒ M	WALL	MICROPHONE OUTLET - WALL MOUNTED
☒ CCTV		CCTV EQUIPMENT (DVR OR NVR)
☒ MNTV		CCTV MONITOR OUTLET
☒ PTZ		CCTV PAN-TILT-ZOOM (PTZ) CONTROLLER
☐ PA EQUIP		PUBLIC ADDRESS EQUIPMENT, RACK MOUNTED.

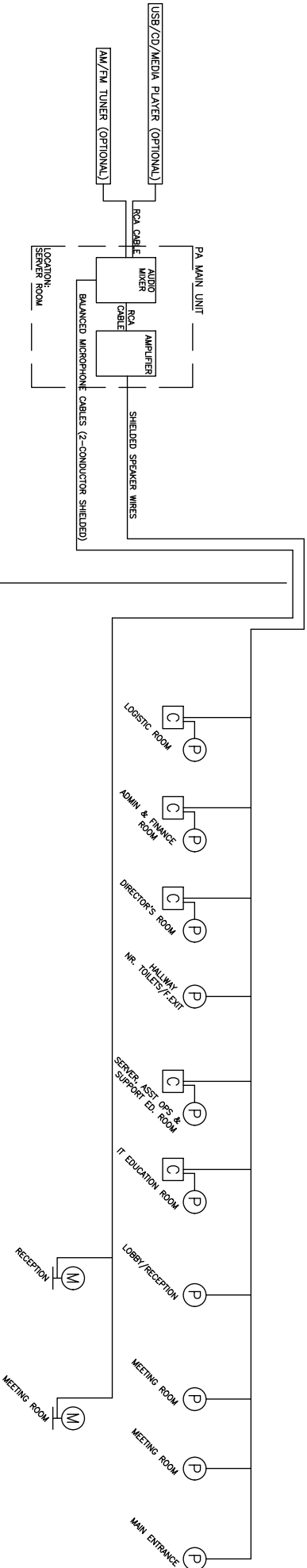
PROJECT TITLE		SHEET CONTENTS		SHEET NO.		DESIGN CONTINUATION		CONTRACT NUMBER		QUANTITY											
UNDP CORE-TL		AUXILIARY SYSTEMS LEGEND & SYMBOLS						 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION		 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION											
LOCATION		DWG. NO.		REV. NO.																	
MANUTITO		AX1																			

LEGENDS:

- MDF : MAIN DISTRIBUTION FRAME
- IDF : INTERMEDIATE DISTRIBUTION FRAME (19" or 482.6mm 42U OPEN-BAY RACK)
- UTM : UNIFIED THREAT MANAGEMENT (UTM)/NEXT GENERATION FIREWALL ROUTER
- SWITCH : NETWORK SWITCH (GIGABIT SPEED)
- POE : POWER OVER ETHERNET (POE) NETWORK SWITCH
- PATCH PANEL : 24-PORT 1U CATEGORY-6 PATCH PANEL
- ▼ : TWO (2) CATEGORY-6 INFORMATION OUTLET (IO) PORTS FOR VOICE & DATA
- ▽ : ONE (1) CATEGORY-6 INFORMATION OUTLET (IO) PORT FOR DATA
- ⚡ : CATEGORY-6 IO PORT FOR WIRELESS ACCESS POINT (CEILING MOUNT – PoE-READY)
- : CATEGORY-6 IO PORT FOR IP-CCTV CAMERAS (CEILING/WALL-MOUNT – PoE-READY)
- ☒ CCTV : CCTV RECORDING EQUIPMENT (DVR OR NVR)
- TMTV : CCTV DISPLAY MONITOR
- APM : WIRELESS ACCESS POINT (AP) MANAGER
- PABX : PRIVATE AUTOMATIC BRANCH EXCHANGE

NOTES:

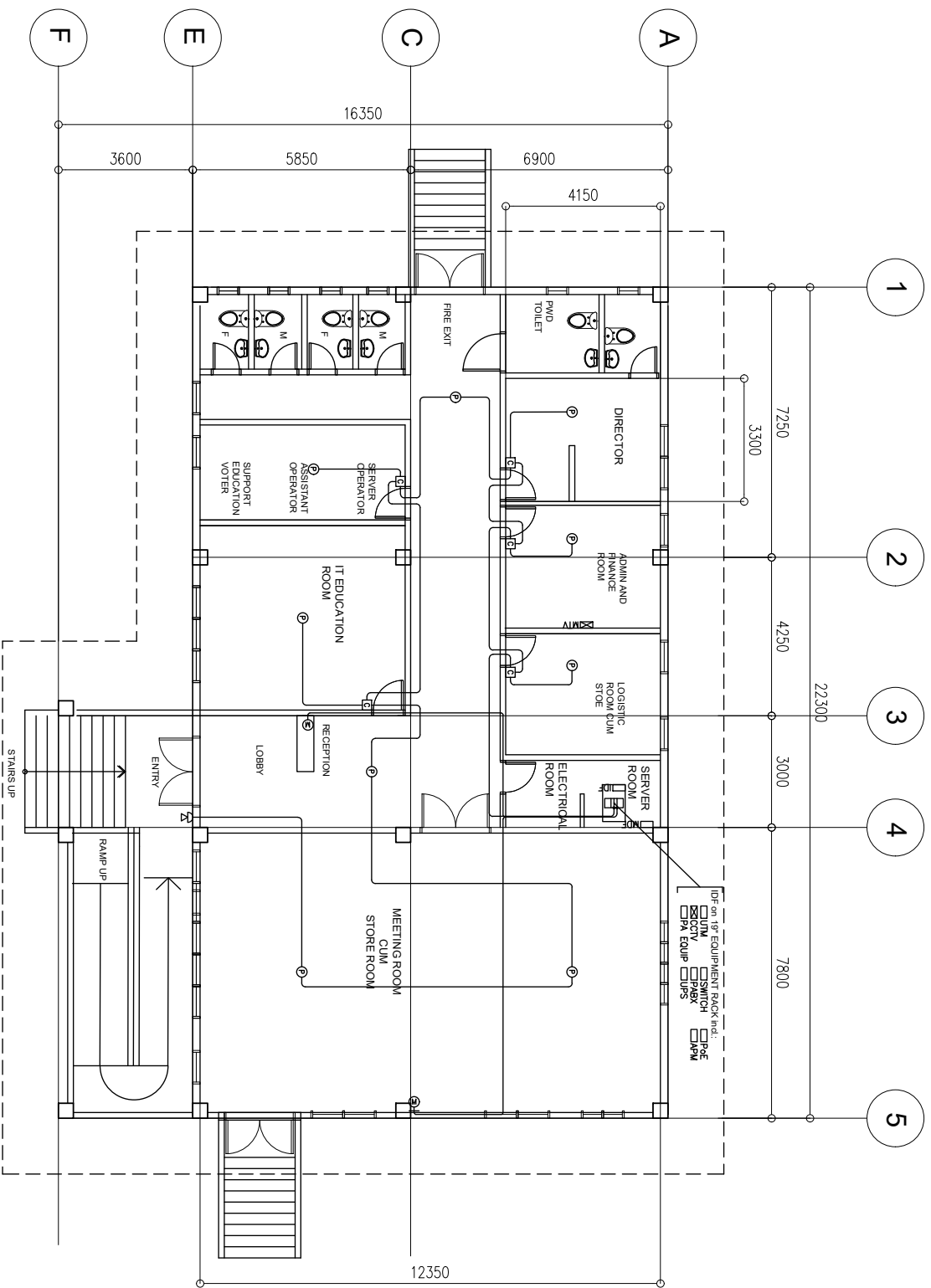
- EACH "x" INDICATES ONE (1) 4-PAIR CATEGORY 6 UTP CABLE
- CATEGORY-6 HORIZONTAL CABLING SHALL BE INSTALLED IN EMT/MC or PVC CONDUITS
- IDF or EQUIPMENT RACK SHALL BE PROVIDED WITH A UNIFIED THREAT MANAGEMENT (UTM)/NEXT GENERATION FIREWALL ROUTER, A GIGABIT NETWORK SWITCH AND AN OPTIONAL POWER-OVER-ETHERNET (PoE) NETWORK SWITCH
- IDF OR EQUIPMENT RACK SHALL BE PROVIDED WITH A UNINTERRUPTIBLE POWER SUPPLY (UPS) >=2.2KVA
- PLUS MAINTAIN A DISTANCE OF AT LEAST 60-100mm. BETWEEN POWER AND ETHERNET CABLES
- PLUS MAINTAIN A MIN. BEND RADIUS OF AT LEAST 40mm. FOR ALL CATEGORY-6 CABLES



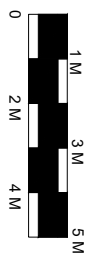
SINGLE LINE DIAGRAM FOR PUBLIC ADDRESS (PA) SYSTEM

STAE MANATUTO
SINGLE LINE DIAGRAM
FOR PUBLIC ADDRESS (PA) SYSTEM
NTS

PROJECT TITLE	SHEET CONTAINS	SHEET NO.	DESIGN CONTINUATION	CONTRACTOR NAME	QUANTITY	REVISION HISTORY
UNDP CORE-TL	STAE MANATUTO SINGLE LINE DIAGRAM FOR PUBLIC ADDRESS (PA) SYSTEM			TECHNICAL SECRETARY FOR ELECTORAL ADMINISTRATION		
LOCATION:	OWA NO.	REV. NO.				
MANATUTO	AZ2					



STAE MANATUTO
PUBLIC ADDRESS (PA) LAYOUT
SCALE: 1:60 MTS



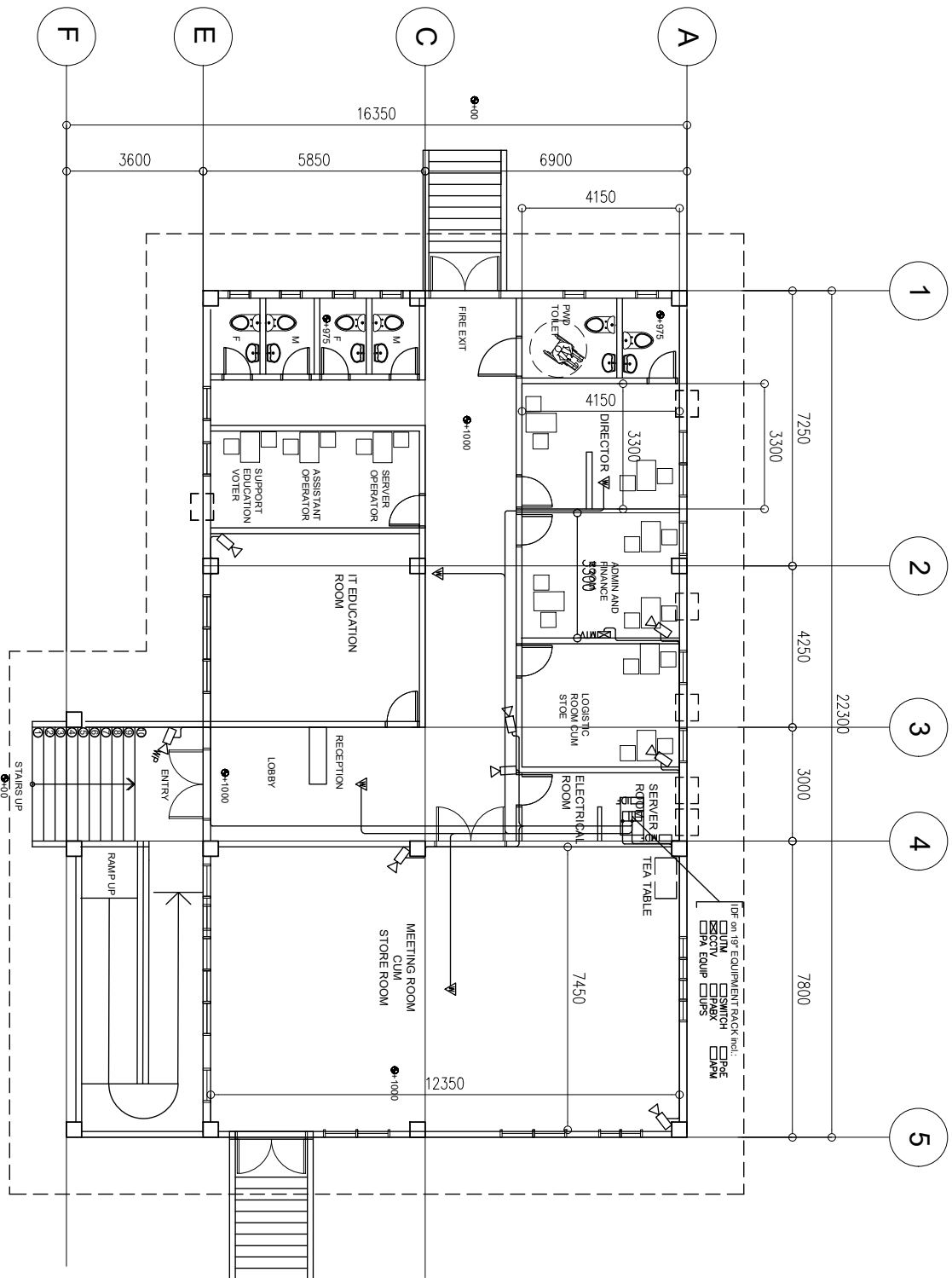
PROJECT TITLE:	SHEET CONTENTS:	SHEET NO.:	DESIGN/CONTRACTOR:	CONTRACTOR NAME:	GRANTOR:	REVISION HISTORY:
UNDP CORE-TL	SIAE MANATUTO PUBLIC ADDRESS (PA) LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME PROJECT: REPUBLIC OF TIMOR-LESTE DTP TIM-LE-2020-0001-PA-0001A DTP-LE-2020-0001-PA-0001A	REV. DATE. MARK / DESCRIPTION. ORIGINATOR. CLIENT.
LOCATION: MANATUTO	DWG. NO.:	REV. NO.:				
	AX3					

NOTES:

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STAE MANATUTO
SINGLE LINE DIAGRAM FOR
CLOSED CIRCUIT TELEVISION (CCTV)
NTS

PROJECT TITLE		SHEET CONTENTS		SHEET NO.		DESIGN CONTRACTOR		CONCESSIONAIRE		GRANTOR	
UNDP CORE-TL		STATE MAMUTO SINGLE LINE DIAGRAM FOR CLOSED CIRCUIT TELEVISION (CCTV)						 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION		 UNITED NATIONS DEVELOPMENT PROGRAMME DIP	
LOCATION		DMA NO.		REV. NO.						INFO DE FICHE TECH. CH. COURTE PROJET TELEVISION	
MAMUTO		AA4								INR. DE SIGNAL. ELM. PROJET TELEVISION	
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STAE MANATUTO
W-FI & CLOSED CIRCUIT
TELEVISION (CCTV) LAYOUT
SCALE: 1:60 MTS

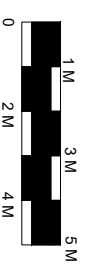
PROJECT TITLE:	SHEET CONTAINS:	SHEET NO.:	DESIGN/CONTRACTOR:	CONTRACTOR NAME:	GRANTOR:	REVISION HISTORY:
UNDP CORE-TL	STAE MANATUTO W-FI & CLOSED CIRCUIT TELEVISION (CCTV) LAYOUT			TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	UNITED NATIONS DEVELOPMENT PROGRAMME	MARK / DESCRIPTION
LOCATION:	DWG. NO.:	REV. NO.:			UNITED NATIONS DEVELOPMENT PROGRAMME	DATE
MANATUTO	AKS				UNITED NATIONS DEVELOPMENT PROGRAMME	REVISION HISTORY
					UNITED NATIONS DEVELOPMENT PROGRAMME	CLIENT

NOTES:

- [illegible]

STAE MANATUTO SINGLE LINE DIAGRAM FOR VOICE AND DATA PORTS PORT ASSIGNMENT SCHEDULE FOR VOICE AND DATA TTS

[illegible]



1:60 MTS

PROJECT TITLE	SHEET CONTENTS	SHEET NO.	DESIGN CONTRACTOR	COVER SHEET	GRANTOR
UNDP CORE-TL	SITE MANAUUTO VOICE AND DATA PORTS			 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION	 UNITED NATIONS DEVELOPMENT PROGRAMME
LOCATION	PHONE NO.	REF. NO.			
MANAUUTO	AX7				

1. ALL WORKS HEREIN SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND SHALL BE EXECUTED ACCORDING TO THE PROVISIONS OF THE NATIONAL BUILDING CODE OF TIMOR-LESTE AND THE RULES AND REGULATIONS OF LOCAL GOVERNMENT AUTHORITIES CONCERNED UNDER THE DIRECT SUPERVISION OF A LICENSED MECHANICAL ENGINEER.
2. THE JOB SHALL BE EXECUTED IN THE MOST THOROUGH, PROMPT AND WORKMANLIKE MANNER EMPLOYING STANDARD TOOLS, EQUIPMENT, METHODS AND GOOD ENGINEERING PRACTICE.
3. ANY DISCREPANCIES NOTED INCLUDING DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, AND/OR THE OWNER'S REPRESENTATIVE, AND RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
4. NEITHER ACCURACY NOR COMPLETENESS OF UTILITY LOCATIONS SHOWN ON THE DRAWING IS GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN THE FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS SHOWN ON DRAWINGS.
5. WHERE PROVISIONS HAVE BEEN MADE IN THE BUILDING FOR THE ACCOMMODATION OF THIS INSTALLATION, BEFORE PROCEEDING WITH THE WORKS, THE CONTRACTOR IS TO CHECK AND CONFIRM THAT THE PROVISIONS ARE SATISFACTORY FOR THE WORKS, AND WHERE AMENDMENTS ARE REQUIRED, RELEVANT DETAILS ARE TO BE PROVIDED IN A TIMELY MANNER.
6. COORDINATE WITH BUILDER FOR ALL BUILDERS WORK REQUIREMENTS, WALL OPENINGS TO BE SPECIFIED BEFORE WALL CONSTRUCTION TO ALLOW BUILDER TO BRACKET WALL WITH ALL OPENINGS PROPERLY SIZED AND FINISHED. COORDINATE WALL OPENINGS WITH OTHER TRADES AND ADJUST RETICULATION AS NECESSARY TO PROVIDE SEPARATION BETWEEN WALL OPENINGS.
7. ANY AND ALL PERMITS REQUIRED FOR THE INSTALLATION OF ANY MATERIAL SHALL BE OBTAINED AS PART OF THE WORK INCLUDING ALL PAYMENTS OF FEES OR EXPENSES INCURRED.
8. ALL INSTALLATIONS SHALL BE PLUMBED AND LEVEL TO THE BUILDING STRUCTURE.
9. INSTALL ALL EQUIPMENT AND OTHER APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, APPLICABLE CODES AND REGULATIONS, REFER TO ARCHITECTURAL DRAWINGS AND FUTURE CATALOGUES FOR EXACT LOCATIONS OF ALL FIXTURES AND

5. CONTRACTOR SHALL PREPARE DETAILED SHOP DRAWINGS FOR ALL OF THEIR WORKS AND

FOR ACCEPTANCE PRIOR TO FABRICATION AND/OR INSTALLATION OF ANY WORK ON SITE.

6. SHOP DRAWINGS AND THE INSTALLATION ON SITE SHALL RESPECT THE SPATIAL COORDINATION OF THE DESIGN AND COMPLY WITH THE ROUTING INCLUDING LINE AND LEVEL SHOWN ON THE "FOR CONSTRUCTION" DRAWINGS, UNLESS ON SITE CONDITIONS OR SPATIAL COORDINATION WITH OTHER CONDITIONS SHOW THAT THERE ARE UNRESOLVED SPATIAL CLASHES. MINOR CLASHES THAT CAN BE

ABOVE AN INACCESSIBLE CEILING OR BEHIND A WALL, AN APPROPRIATE ACCESS POOR SHALL BE PROVIDED AND THE LOCATION SHALL BE COORDINATED WITH THE ARCHITECT.

19. CONTRACTOR TO COORDINATE PERMANENT CEILING ACCESS TO VALVES, EQUIPMENT AND DEVICES IN THE CEILING VOID REQUIRING FUTURE MAINTENANCE.

DRAWINGS. ANY MAJOR CHANGES REQUIRED SIGNIFICANT REROUTING SHALL BE BROUGHT TO THE

ATTENTION OF THE DESIGN ENGINEER FOR RESOLUTION.

7. NOTWITHSTANDING THE ABOVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TECHNICAL AND SPATIAL COORDINATION, BOTH WITH ITS OWN WORKS AND THE WORKS OF OTHERS. NO COST ON TIME VARIATION/CHANGE ORDER WILL BE GRANTED FOR ANY IMPACT OF THE FAILURE OF THE CONTRACTOR TO COORDINATE THEIR WORKS.

21. ALL EQUIPMENT AND CONTROLLERS INSTALLED OUTDOORS SHALL BE WEATHERPROOF TYPE AND RATED FOR OUTDOOR USE.

22. ALL EQUIPMENT REQUIRING ELECTRICAL POWER SUPPLY SHALL BE PROVIDED WITH CODE COMPLIANT MEANS OF ELECTRICAL SURGE ISOLATION. THIS MUST INCLUDE A MEANS OF LOCKING THE SURGE FREE SAFETY ISOLATING MAINTENANCE.

23. ALL ELECTRICAL INSTALLATIONS SHALL BE INSTALLED ACCORDING TO TIMOR TESTE ELECTRICAL CODE AND ELECTRICAL SPECIFICATION.

24. INSTALL ALL FLOOR MOUNTED EQUIPMENT ON CONCRETE HOUSEKEEPING PADS.

25. SUBMIT ACCURATE AS-BUILT DRAWINGS, PREPARE AS-BUILT DRAWINGS DURING CONSTRUCTION AND MEASURE LOCATION OF PREWORK, VALVES AND EQUIPMENT LOCATIONS BEFORE CEILINGS ARE CLOSED.

PROJECT TITLE		SHEET CONTENTS		SHEET NO.		DESIGN CONTRACTOR		CONTRACT NUMBER		GRANTING AGENCY	
UNDP CORE-TL		AIR CONDITION SCHEDULE WATER TRANSFER PUMP SCHEDULE DIESEL GENERATOR SET SCHEDULE GENERAL NOTES						 TECHNICAL SECRETARIAT FOR ELECTORAL ADMINISTRATION		 UNITED NATIONS DEVELOPMENT PROGRAMME D/P	
LOCATION		DRAW. NO.		REF. NO.						THE U.S. STATE DEPT. HAS ISSUED PROJECT NUMBER	
MANA/UTO		MI						ORDER NO. SH-044 IS AM TECHNICAL SECRETARIAT		REV. DATE MAY 10/2009/7/01	
REVISION HISTORY											
REV.		DATE		BY		DESCRIPTION		REVISION HISTORY		CLIENT	
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