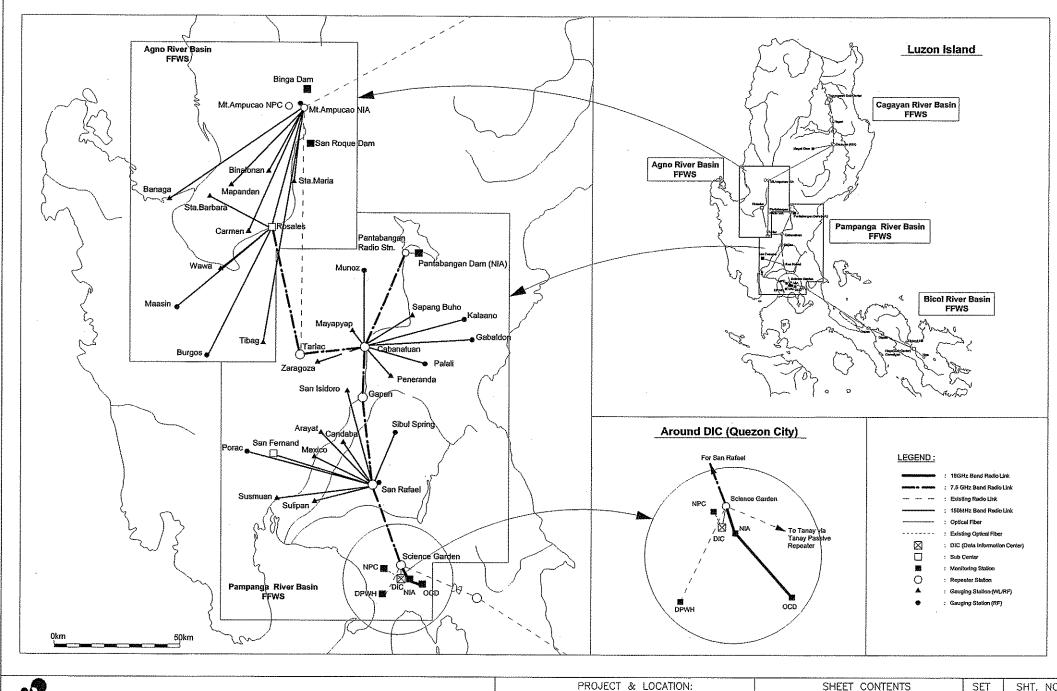
Appendix 8

Basic Design Drawings

THE PROJECT FOR UPGRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER AND BASINS BASIC DESIGN DRAWING LIST (TELECOMMUNICATION WORKS)

No.	Drawing No.	Title	No.	Drawing No.	Title	No.	Drawing No.	Title
1	T-1	PROJECT NETWORK AND LAYOUT PLAN	24	т-Рм-м2	PAMPANGA SUB CENTER (SAN FERNANDO)	47	T-AG-MI	AGNO SUB CENTER (ROSALES)
2	T-PM-G1	MUNOZ RAIN GAUGE STATION SITE LAYOUT	25	T-PM-M3	OCD MONITORING STATION SITE LAYOUT PLAN	48	T-AG-R1	TARLAC REPEATER STATION SITE LAYOUT PLAN
3	T~PM-G2	MUNOZ RAIN GAUGE STATION EQUIPMENT LAYOUT PLAN	26	Т-РМ-М4	DPWH MONITORING STATION SITE LAYOUT PLAN			
4	T-PM-G3	SAPANG BUHO RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT	27	т-Ри-м5	NPC HEADQUARTER SITE LAYOUT PLAN			
5	T-PM-G4	SAPANG BUHO RAIN GAUGE AND WATER LEVEL GAUGE STATION EQUIPMENT LAYOUT PLAN	28	т-Ры-м6	NIA FFWS CENTER SITE LAYOUT PLAN			
6	T-PM-G5	MAYAPYAP RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	29	T-PM-M7	PANTABANGAN DAM FFWS OFFICE SITE LAYOUT PLAN			
7	Т-РМ-С6	GABALDON RAIN GAUGE STATION SITE LAYOUT	30	т-Ри-мя	SAN ROQUE DAM MANAGEMENT OFFICE SITE LAYOUT PLAN			
8	T-PM-G7	GABALDON RAIN GAUGE STATION EQUIPMENT LAYOUT PLAN	31	т-ри-и9	BINGA DAM FFWS OFFICE SITE LAYOUT PLAN			
9	T-PM-G8	ZARAGOSA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	32	T-PM-R1	SCIENCE GARDEN RADIO STATION SITE LAYOUT PLAN			
10	T-PM-G9	PENARANDA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	33	T-PM-R2	SAN RAFABL GARDEN RADIO STATION SITE LAYOUT PLAN			
11	Т-РМ-G10	SAN ISIDRO RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	34	T-PM-R3	GAPAN REPEATER STATION SITE LAYOUT PLAN			
12	T-PM-G11	CANDABA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	35	T-PM-R4	CABANATUAN REPEATER STATION SITE LAYOUT PLAN			
13	T-PM-G12	ARAYAT RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	36	T-AG-G1	Mt.AMPUCAO RAIN GAUGE AND REPEATER STATION SITE LAYOUT PLAN			
14	T-PM-G13	SIBUL SPRING RAIN GAUGE STATION SITE LAYOUT	37		STA. MARIA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN			
15	T-PM-G14	SIBUL SPRING RAIN GAUGE STATION EQUIPMENT LAYOUT PLAN	38		STA. BARBARA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN	***********		
16	T-PM-G15	Sasmuan rain gauge and water level gauge station Site layout plan	39	T-AG-G4	BANAGA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT			
17	Т-РИ-G16	SULIPAN RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT	40	T-AG-G5	CARMEN RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN			
18		SULIPAN RAIN CAUGE AND WATER LEVEL GAUGE STATION EQUIPMENT LAYOUT PLAN	41		WAWA RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN			
19	T-PM-G18	MEXICO RAIN GAUGE AND WATER LEYEL GAUGE STATION SITE LAYOUT PLAN	42		TIBAG RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN			
20		KALAANON RAIN GAUGE STATION SITE LAYOUT PLAN	43		MAPANDAN RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN			
21		PALALI RAIN GAUGE STATION SITE LAYOUT PLAN	44		BINARONAN RAIN GAUGE AND WATER LEVEL GAUGE STATION SITE LAYOUT PLAN			
22		PORAC RAIN GAUGE STATION SITE LAYOUT PLAN	45		MAASIN RAIN GAUGE STATION SITE LAYOUT PLAN			
23	т-ри-и1	PAGASA DIC EQUIPMENT AND SITE LAYOUT PLAN	46		BURGOS RAIN GAUGE STATION SITE LAYOUT PLAN			





JAPAN INTERNATIONAL COOPERATION AGENCY

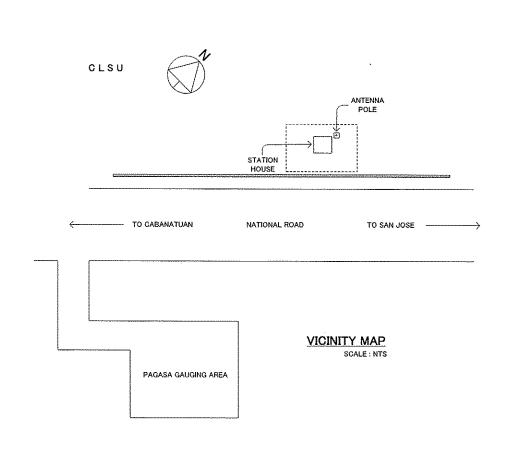
UPGRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS

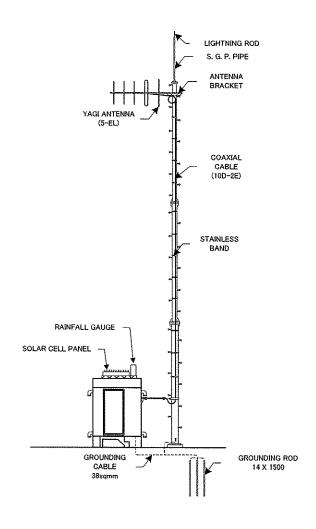
PROJECT NETWORK AND LAYOUT PLAN

SHT. NO. 48

SET

T-1







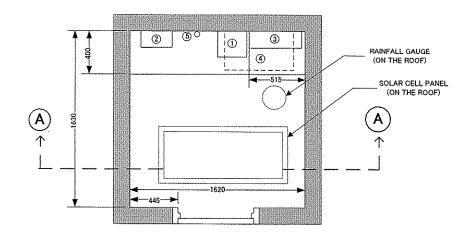
JAPAN INTERNATIONAL COOPERATION AGENCY

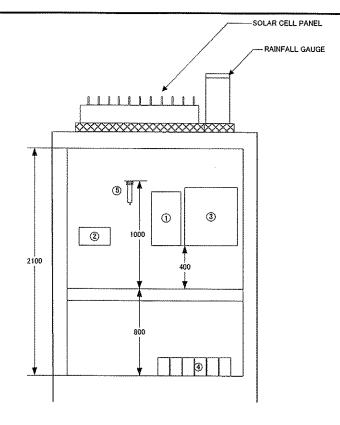
PROJECT&LOCATION UPGRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS

SHEET CONTENTS MUNOZ RAIN GAUGE STATION SITE LAYOUT

SET SHT.NO. T-PM-G1

2 48





EQUIPMENT LAYOUT SCALE: NTS

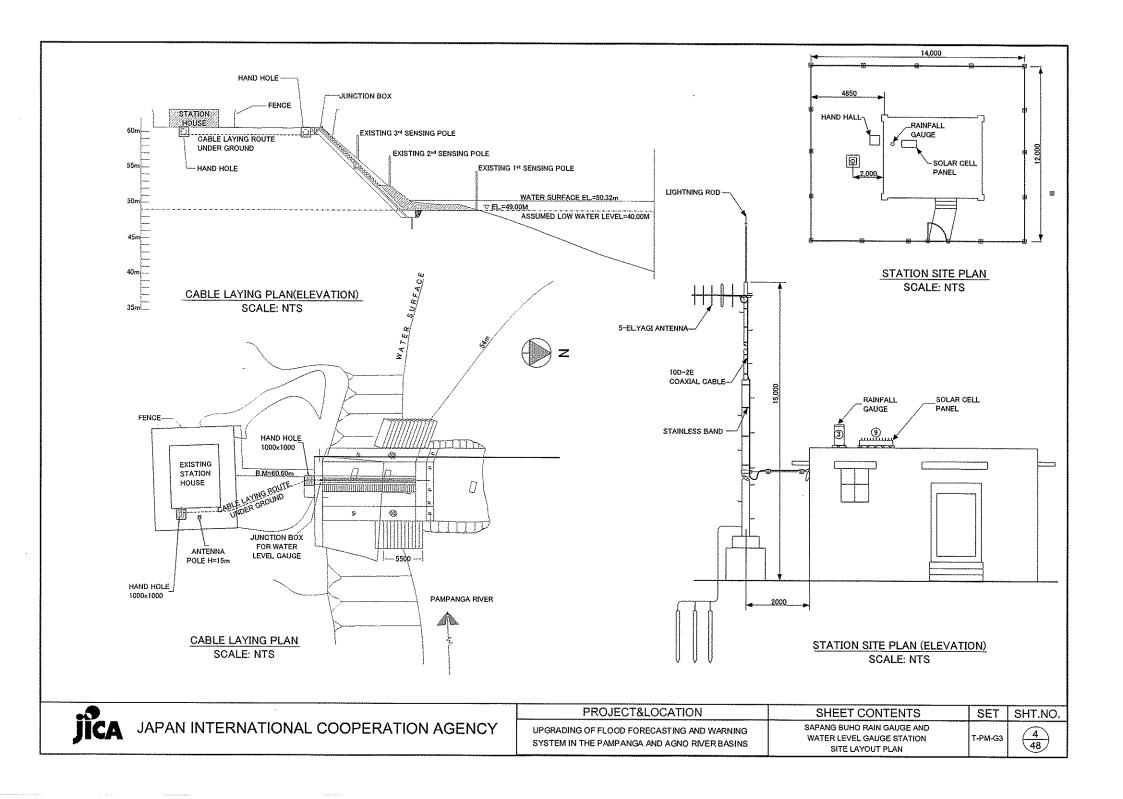
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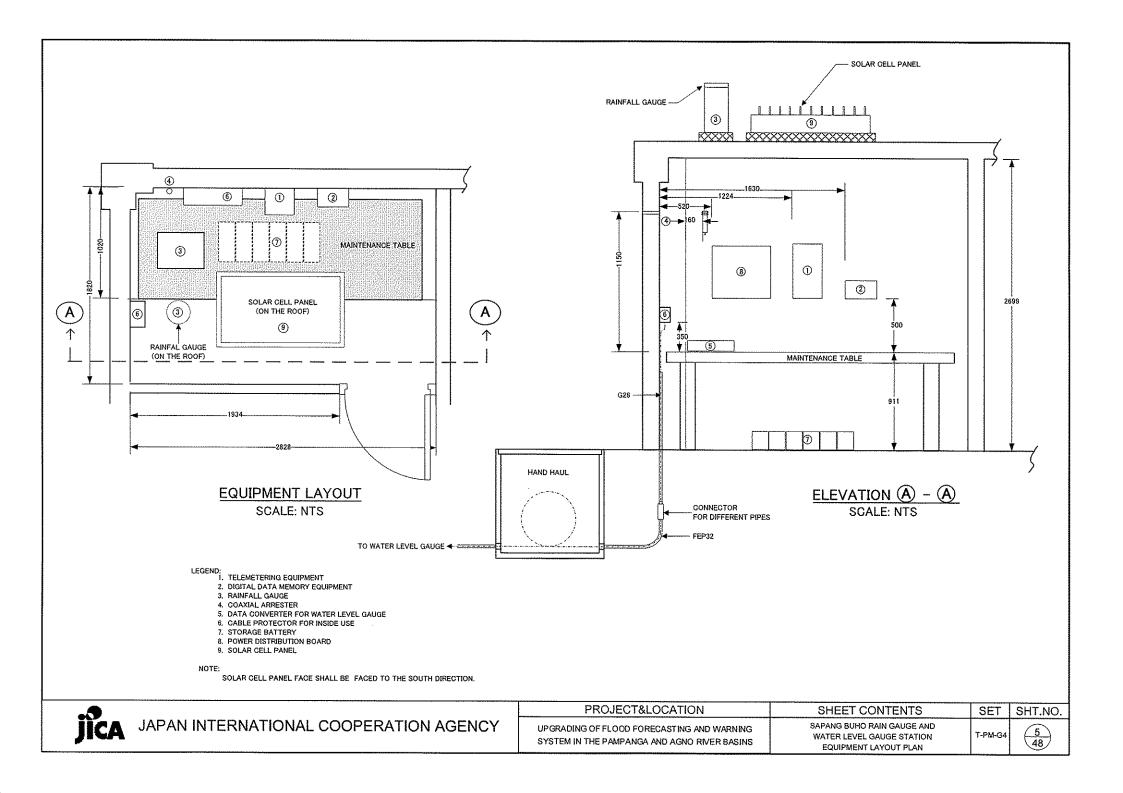
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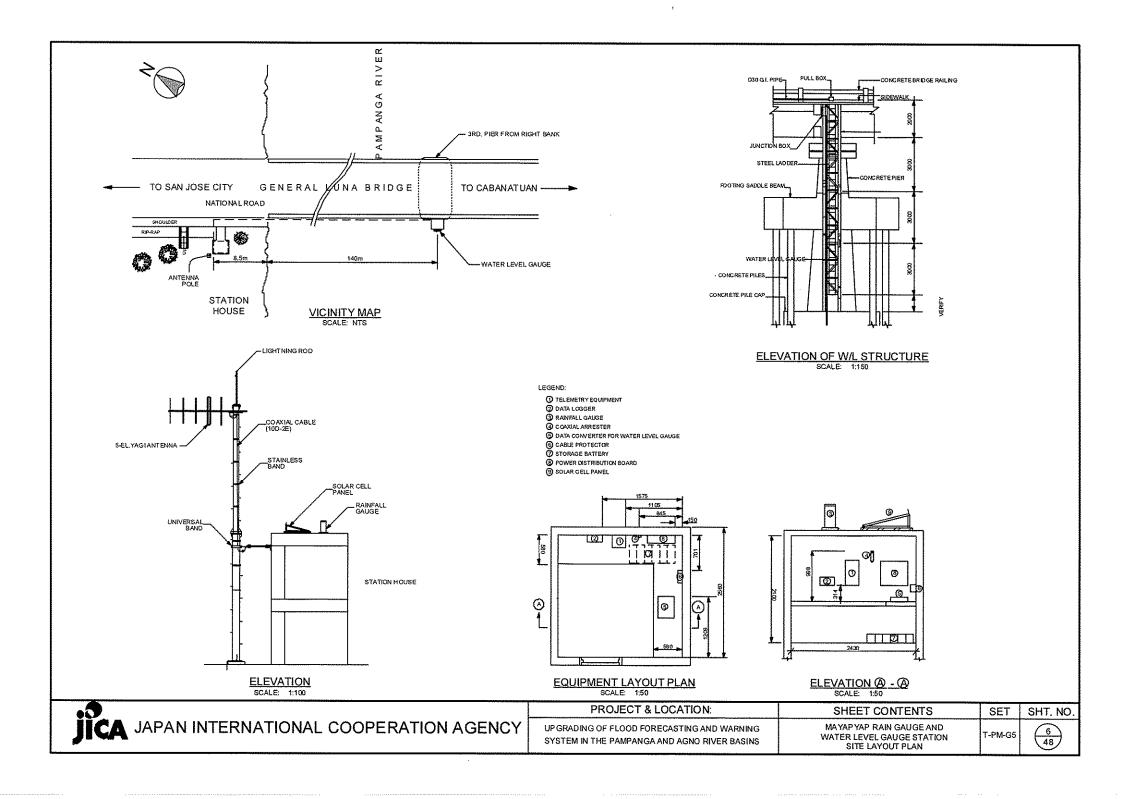
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- 2. DIGITAL DATA MEMORY EQUIPMENT
- 3. POWER DISTRIBUTION BOARD
- 4. STORAGE BATTERY
- 5. COAXIAL ARRESTER



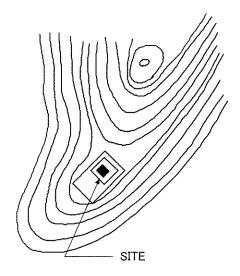
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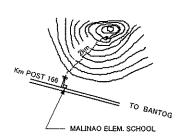




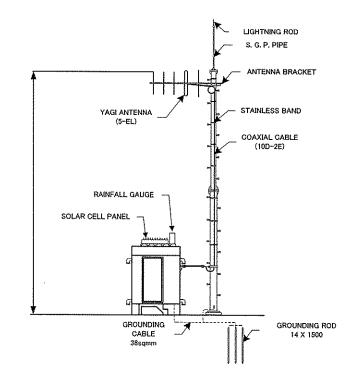








VICINITY MAP SCALE: NTS



ELEVATION SCALE : NTS



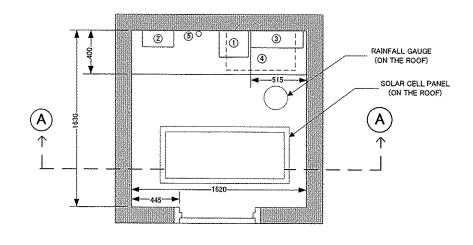
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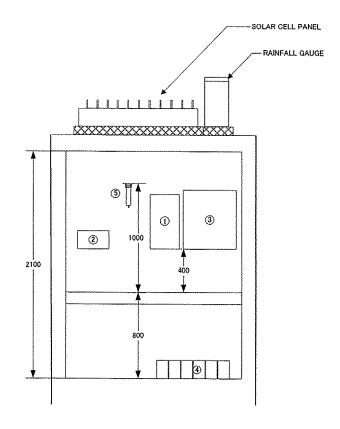
PROJECT&LOCATION UPGRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS

SHEET CONTENTS GABALDON RAIN GAUGE STATION SITE LAYOUT

SET SHT.NO. T-PM-G6







EQUIPMENT LAYOUT SCALE: NTS

ELEVATION (A) - (A)
SCALE: NTS

LEGEND:

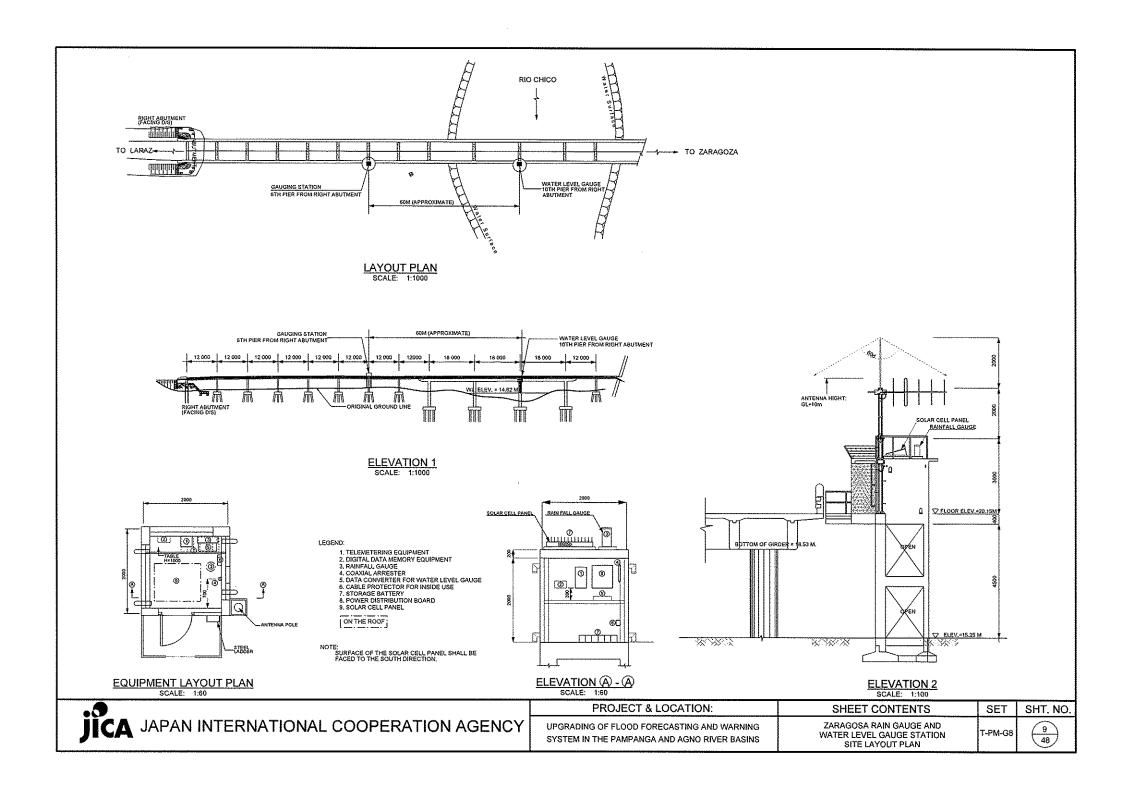
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 AUTOMATIC RECORDER
- 3. POWER DISTRIBUTION BOARD
- 4. STORAGE BATTERY
- 5. COAXIAL ARRESTER

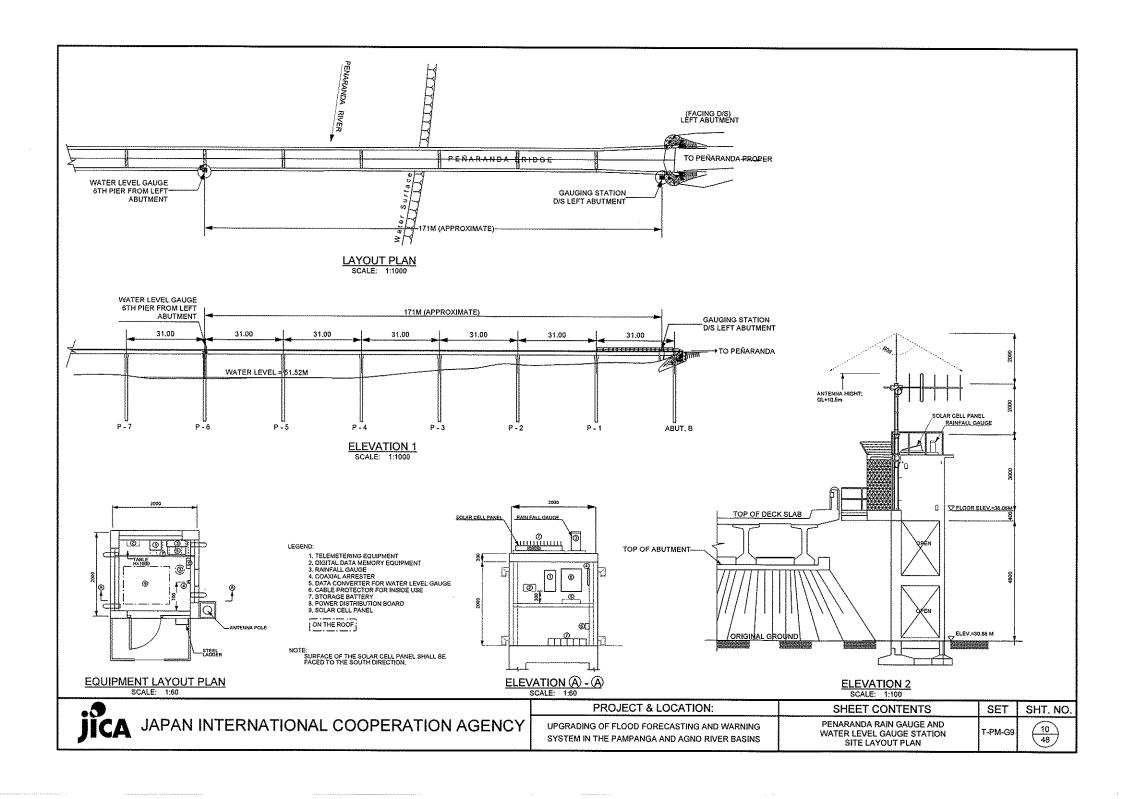
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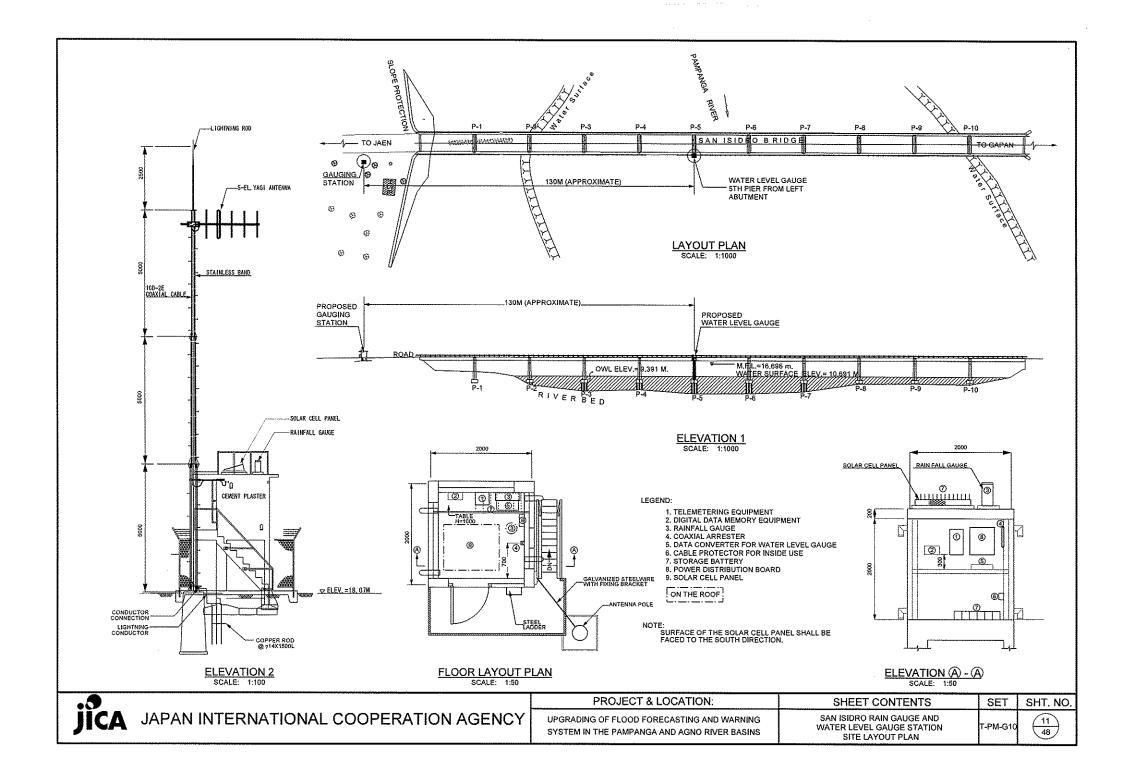
JAPAN INTERNATIONAL COOPERATION AGENCY

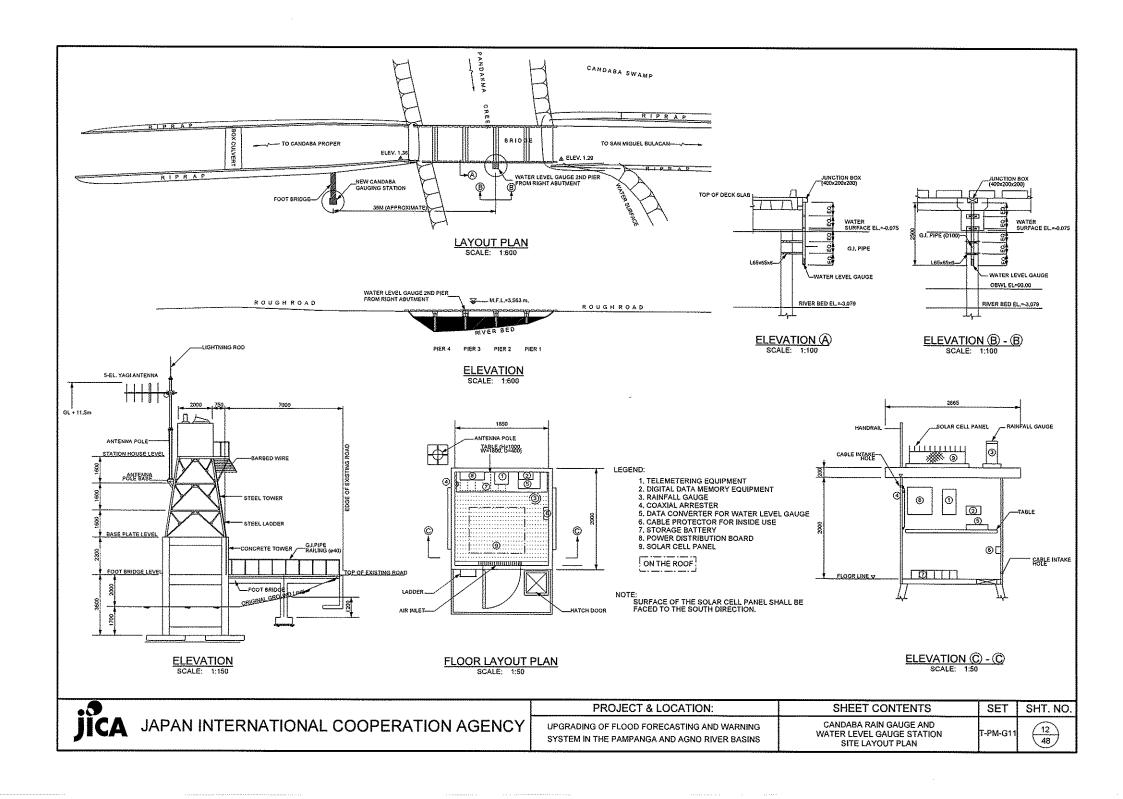
PROJECT&LOCATION			
UPGRADING OF FLOOD FORECASTING AND WARNING	GABALDON RAIN GAUGE STATIO		
SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS	EQUIPMENT LAYOUT PLAN		

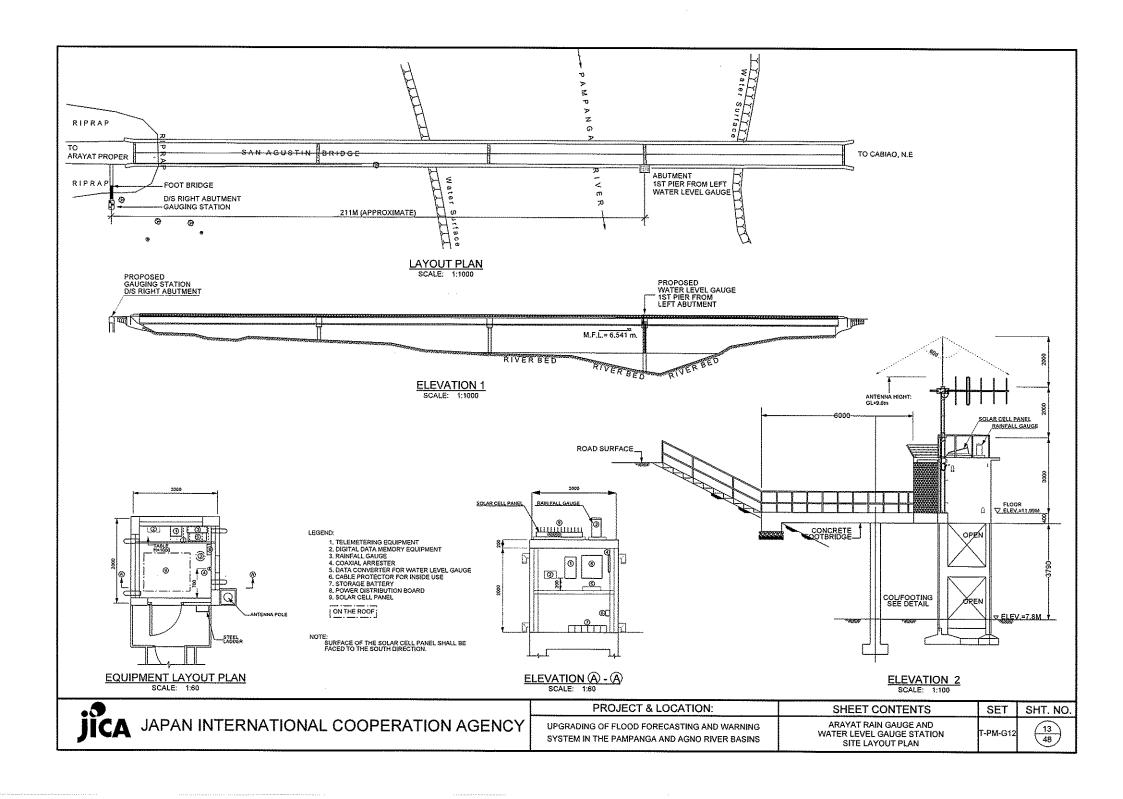
SET SHT.NO. 8 48 STATION T-PM-G7

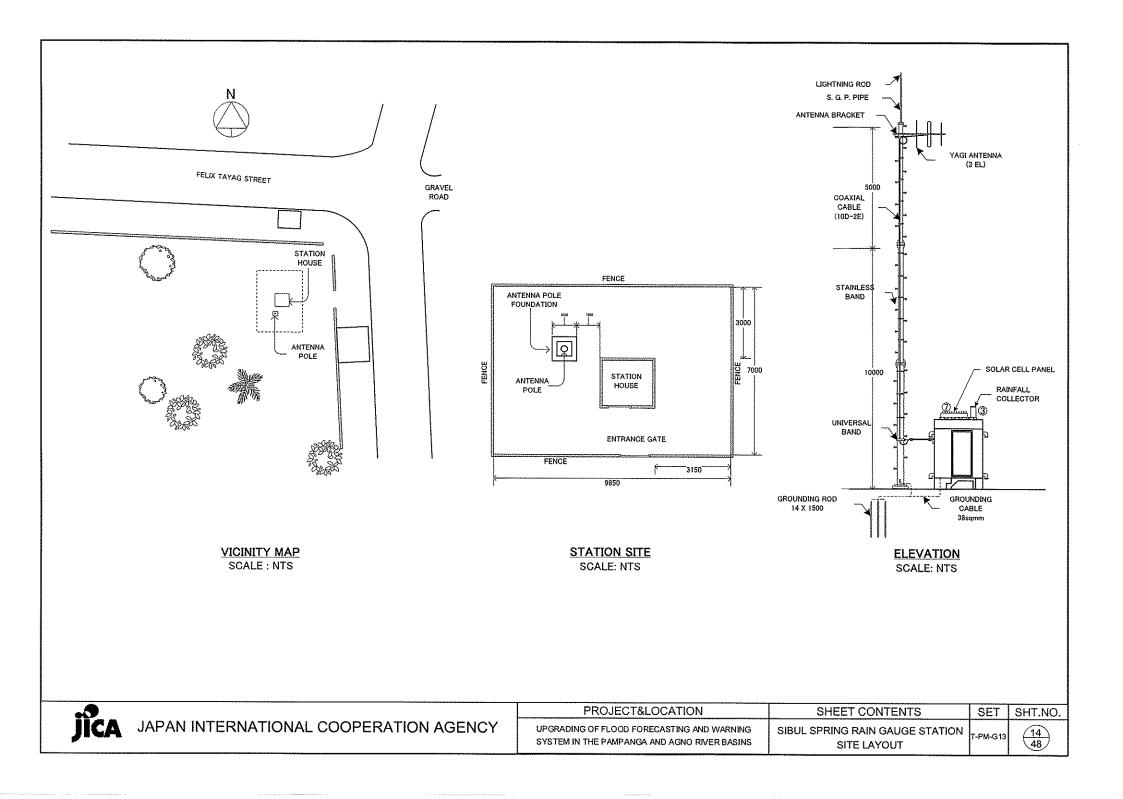


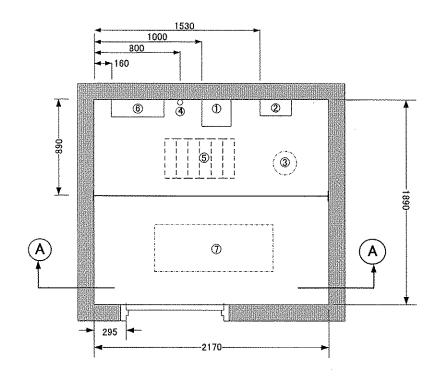


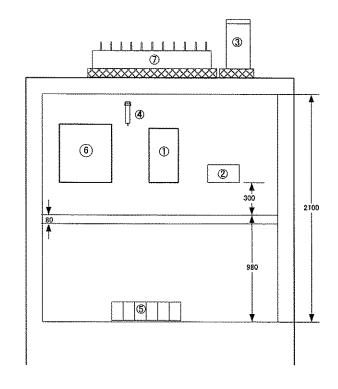










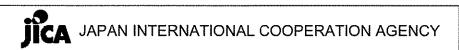


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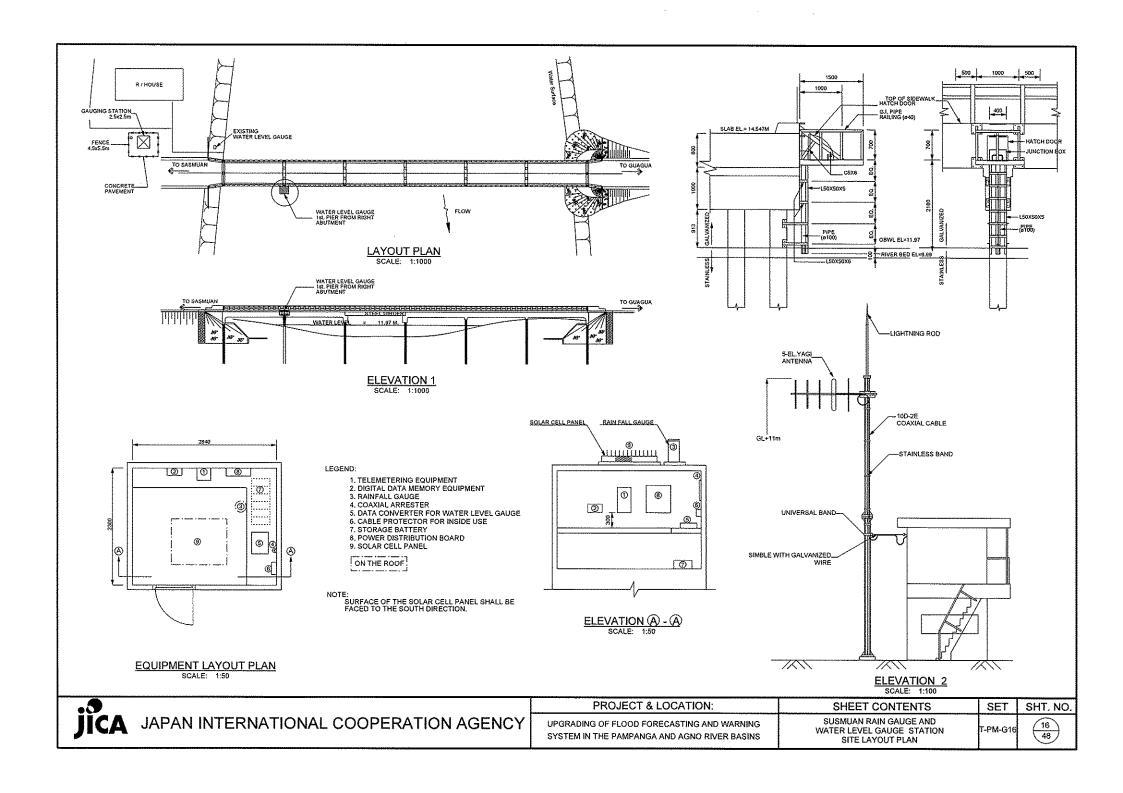
EQUIPMENT LAYOUT SCALE: NTS

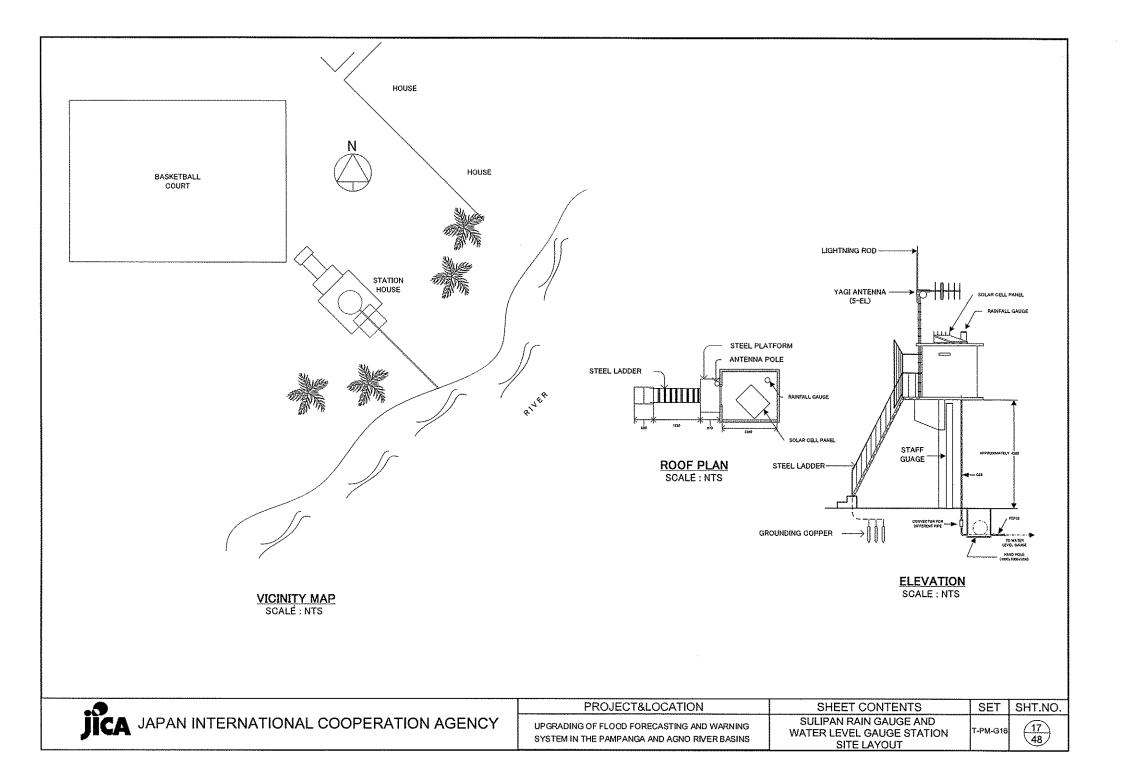
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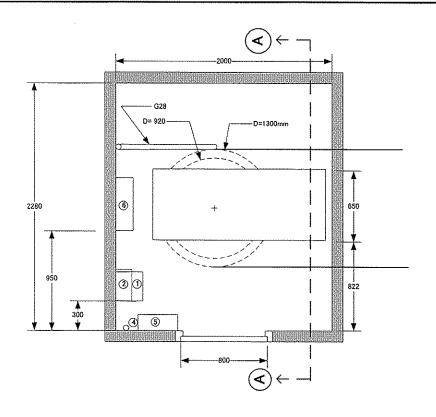
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- 2. AUTOMATIC RECORDER (NKA-140)
- 3. RAINGAUGE (RT-10S)
- 4. GOAXIAL ARRESTER (NYZ-150-L)
- 5. STORAGE BATTERY
- 6. POWER DISTRIBUTION BOARD (BP-H4C-1)
- 7. SOLAR GELL PANEL

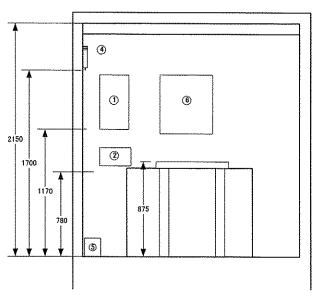


	PROJECT&LOCATION	SHEET CONTENTS	SET	SHT.NO.
	UPGRADING OF FLOOD FORECASTING AND WARNING	SIBUL SPRING RAIN GAUGE STATION	T-PM-G14	15
Ì	SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS	EQUIPMENT LAYOUT PLAN	1*FWI*G (4	48









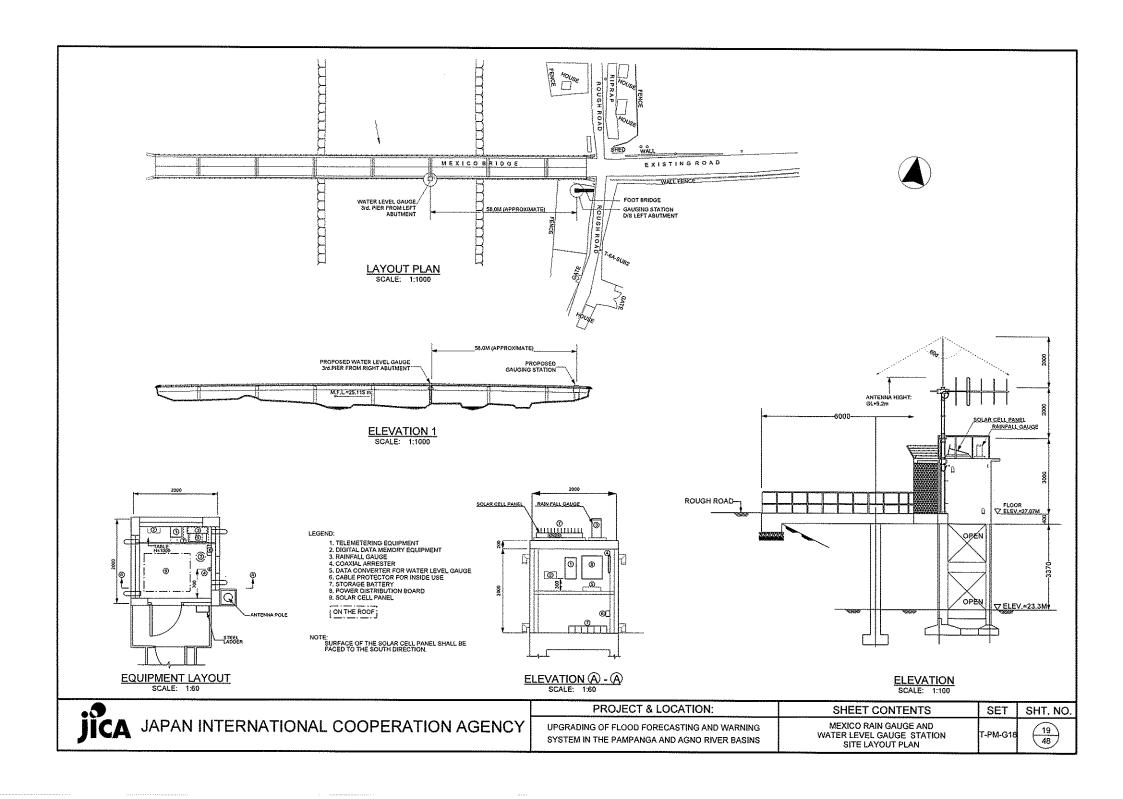
EQUIPMENT LAYOUT SCALE: NTS

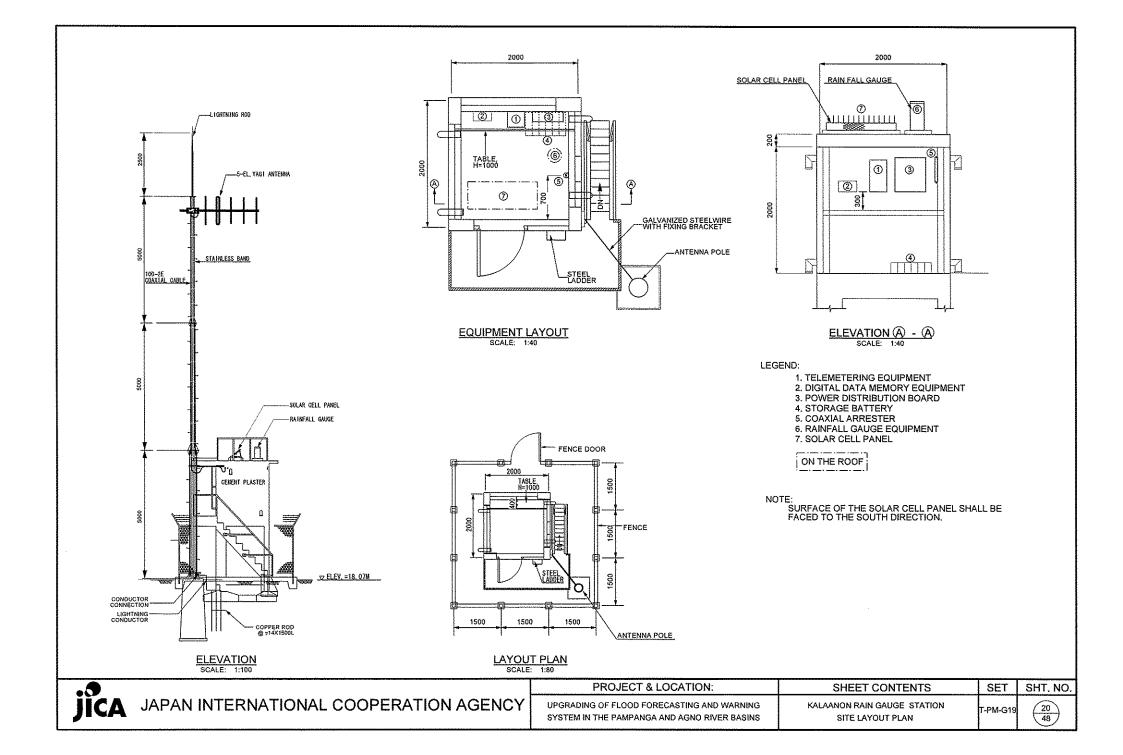
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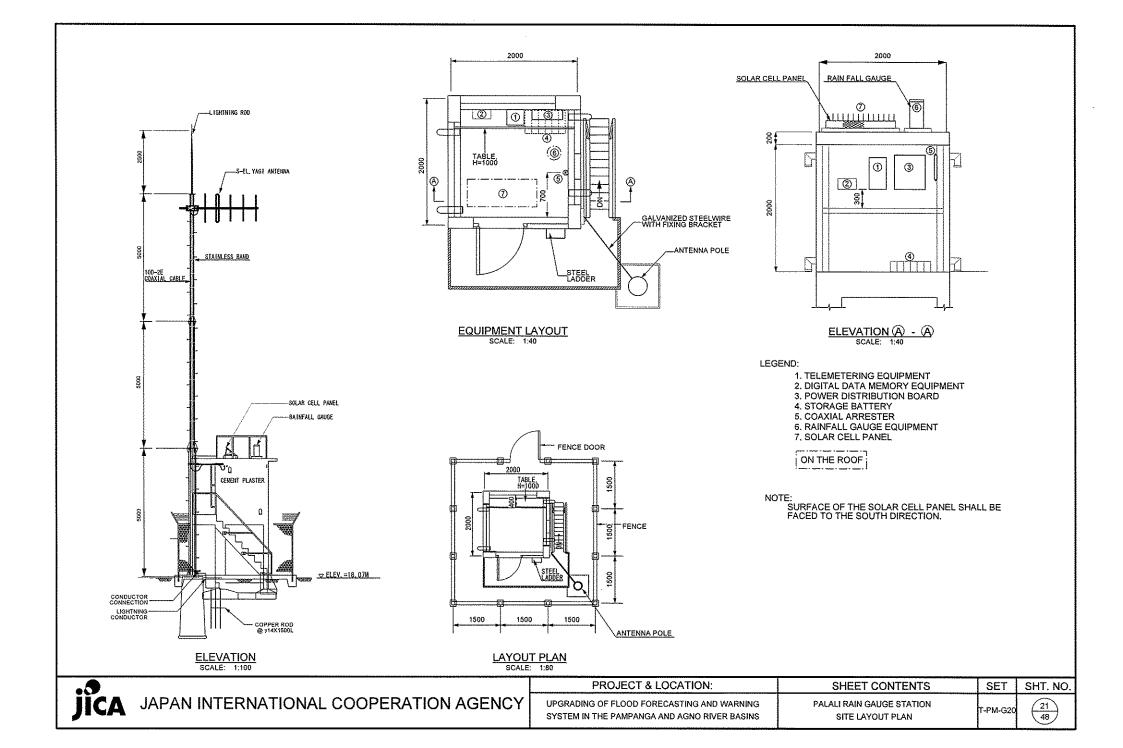
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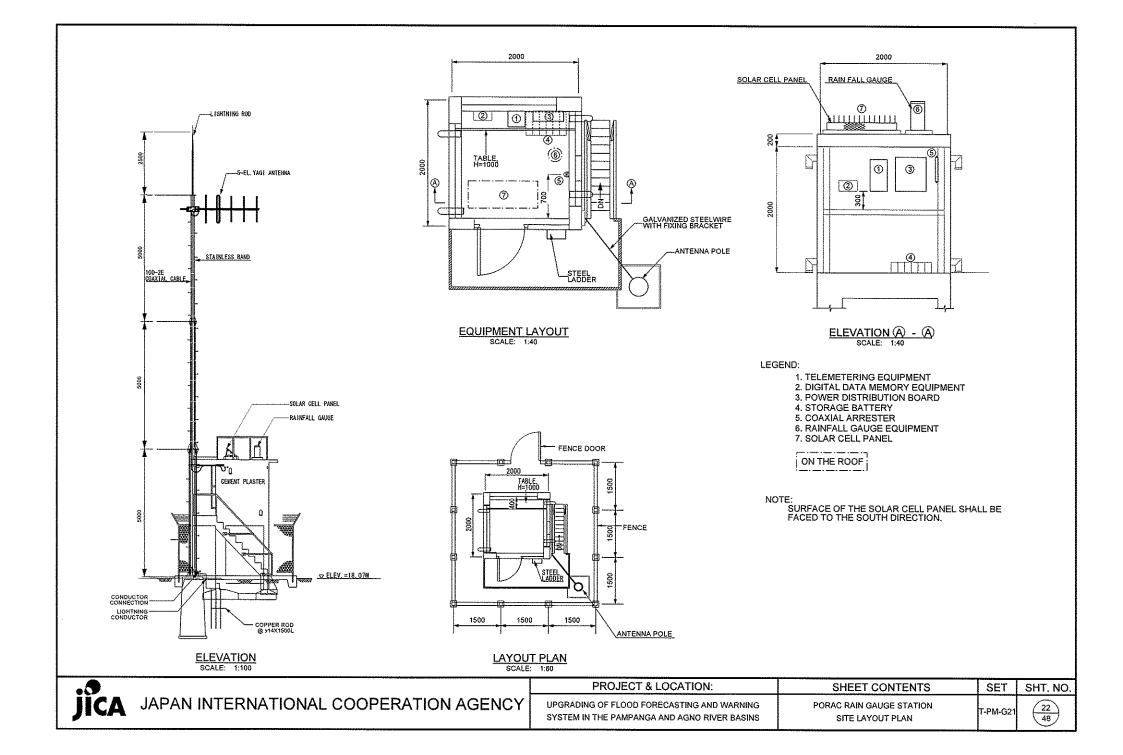
- TELEMETERING EQUIPMENT
 DEGITAL DATA MEMORY EQUIPMENT
- 3. RAINGAUGE
- 4. COAXIAL ARRESTER 5. STORAGE BATTERY
- 6. POWER DISTRIBUTION BOARD

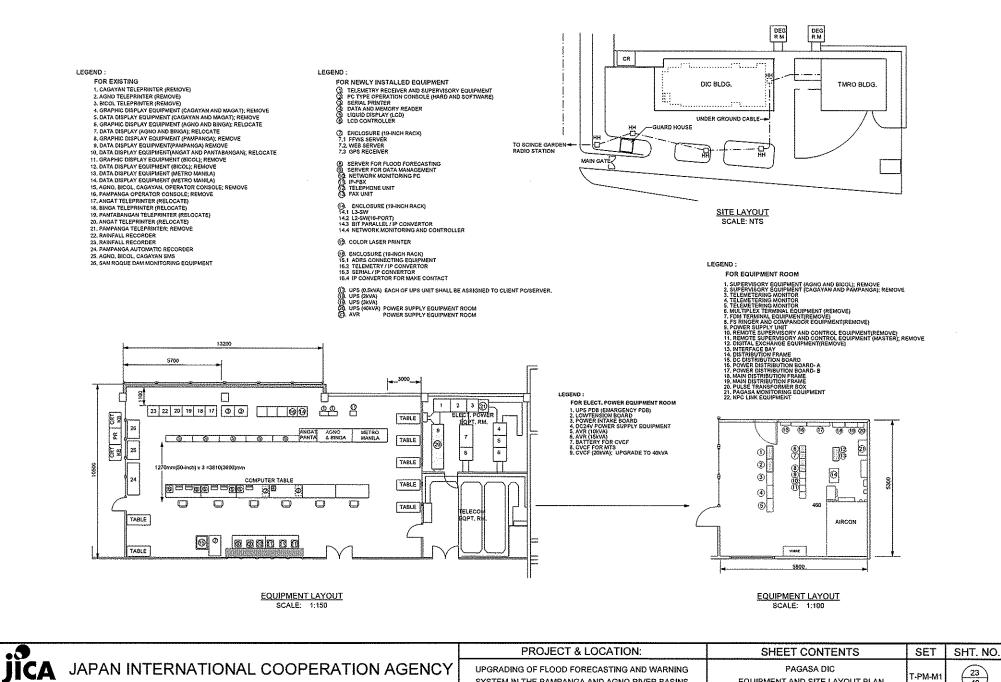
PROJECT&LOCATION	SHEET CONTENTS	SET	SHT.NO.
UPGRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS	SULIPAN RAIN GAUGE AND WATER LEVEL GAUGE STATION EQUIPMENT LAYOUT PLAN	T-PM-G17	18 48











UPGRADING OF FLOOD FORECASTING AND WARNING

SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS

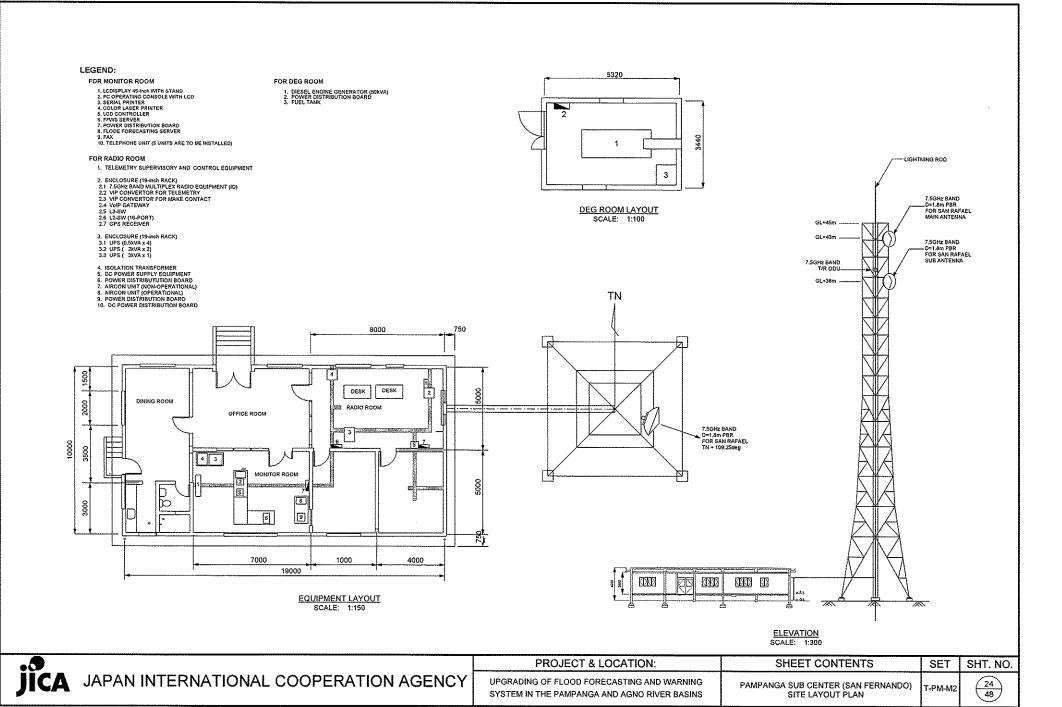
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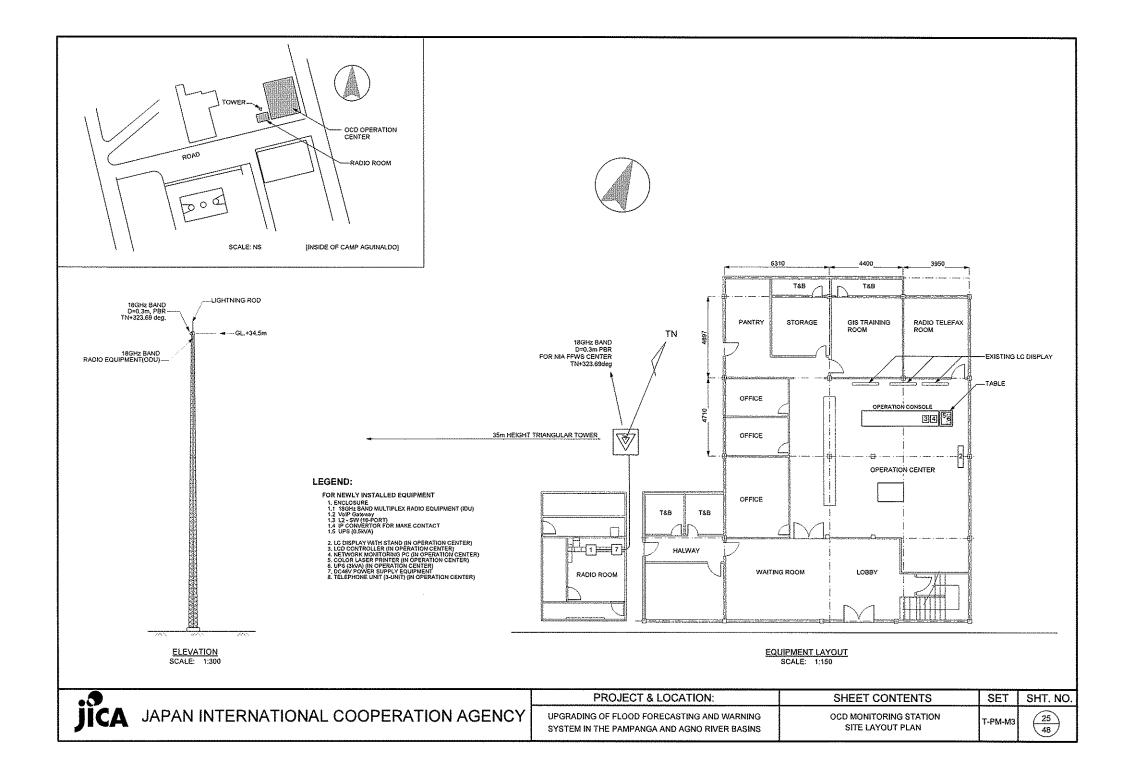
EQUIPMENT AND SITE LAYOUT PLAN

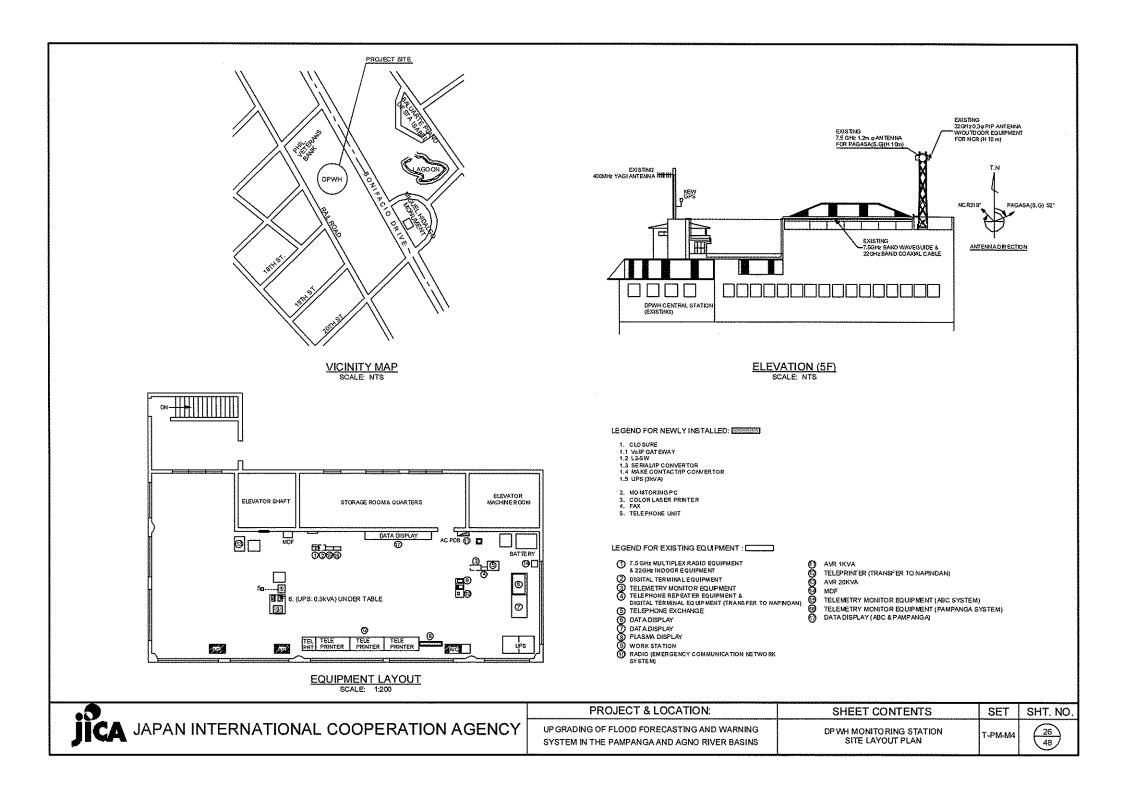
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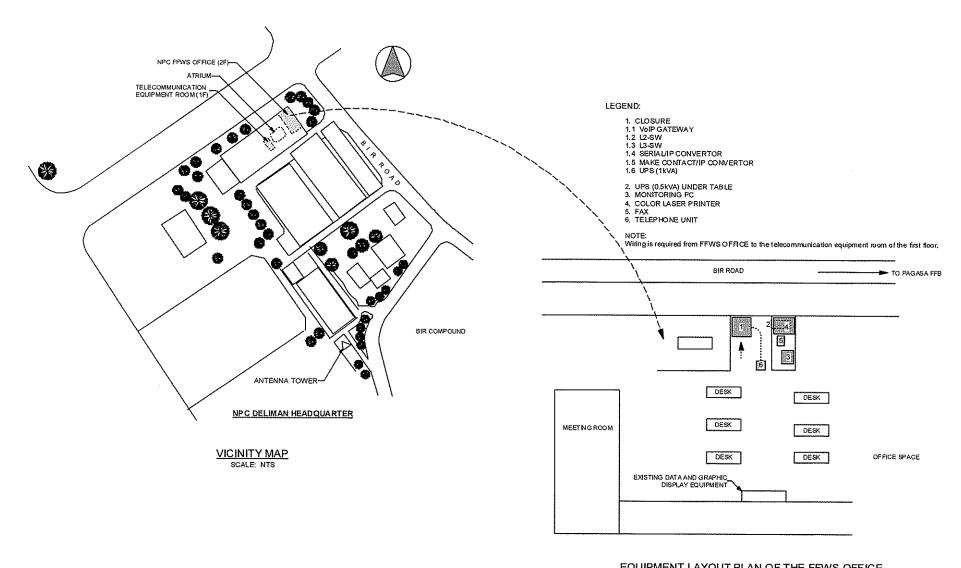
48

T-PM-M1



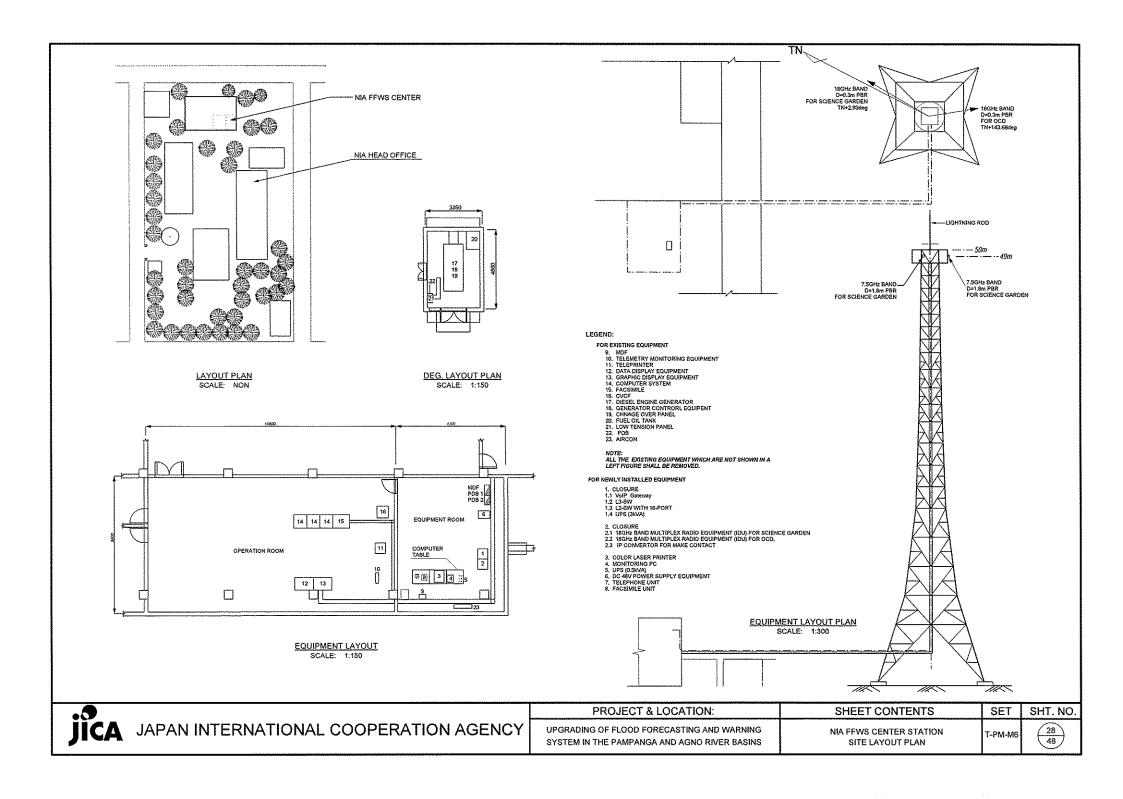


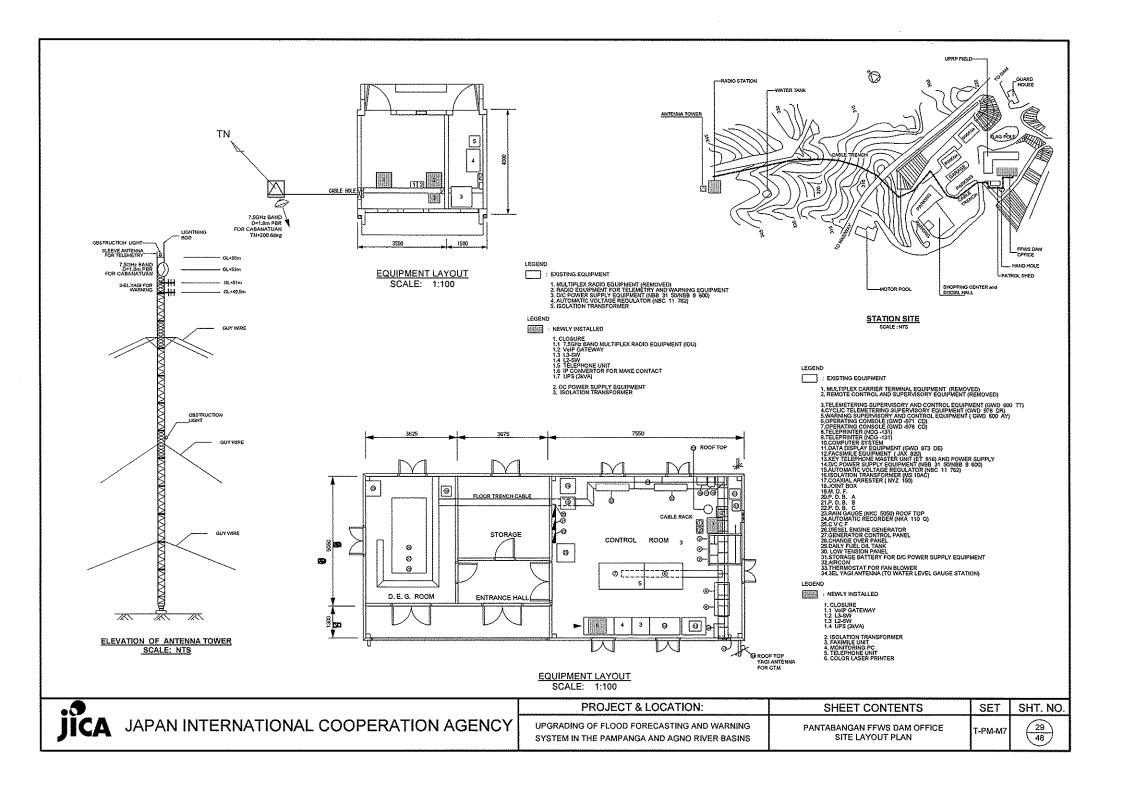


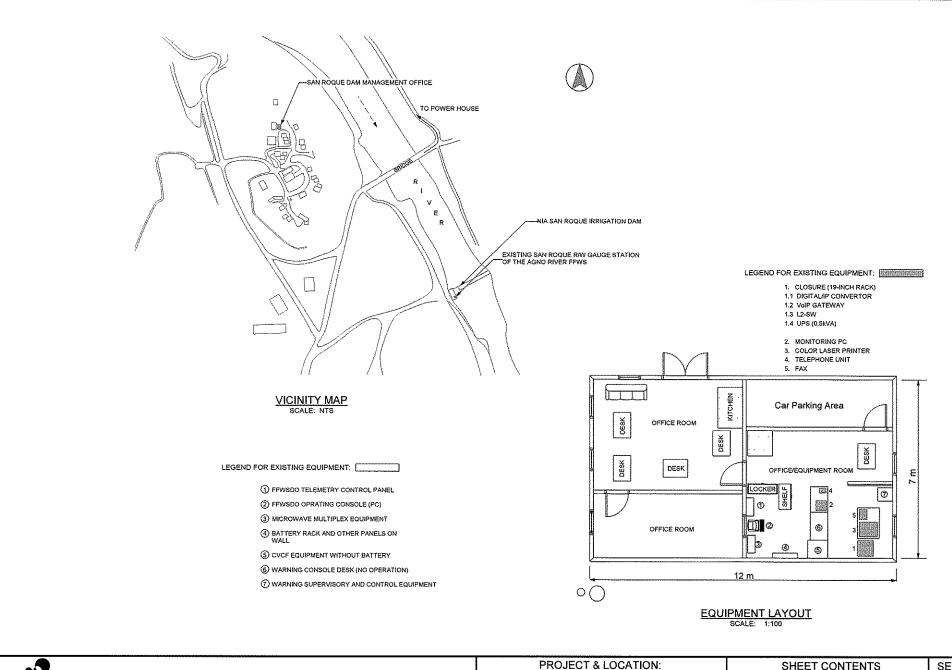


EQUIPMENT LAYOUT PLAN OF THE FFWS OFFICE SCALE: NTS

.	PROJECT & LOCATION:	SHEET CONTENTS	SET	SHT, NO.
	UP GRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS	NPC HEADQUARTER SITE LAYOUT PLAN	T-PM-M5	27 48









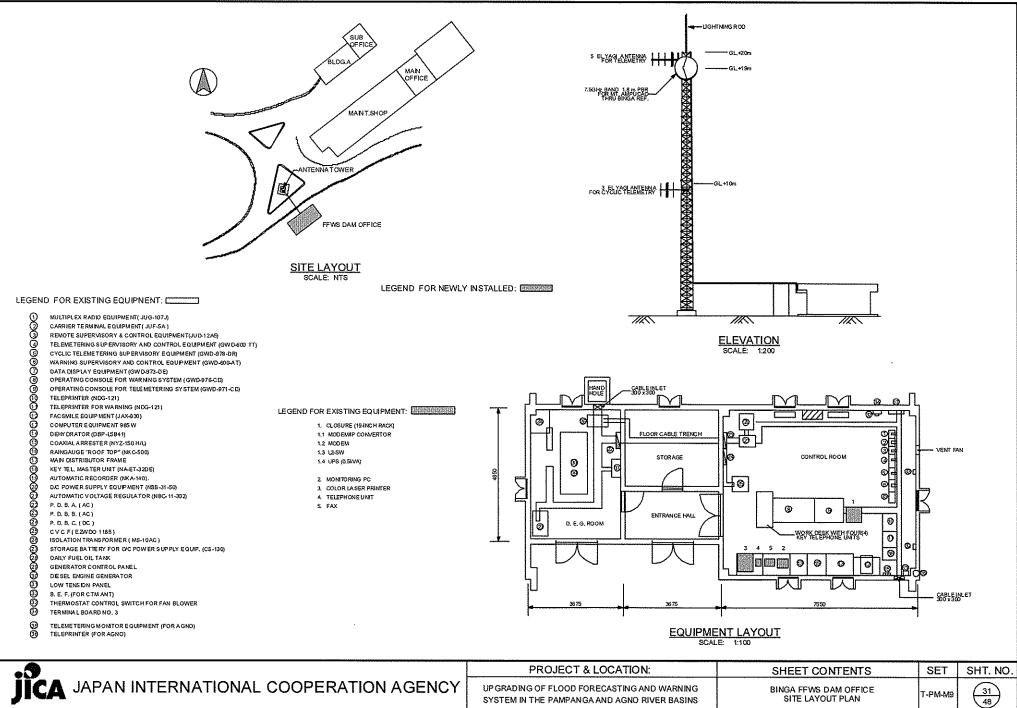
UPGRADING OF FLO	ገለቦ ድ	OPEC	ASTI	NG A	ND WARRING	2
OF CHADING OF TE	JOD 1	OIL.	ALC 11	10/1	SAME AND COLUMN	,
SYSTEM IN THE PAI	MOANI	24 41	OD AG	NO F	DIVED BACING	:
OTOTEM IN THE TA	SIS CITA	U/1 /1	AD MO	.,,,,	CIA TIL DECOUAL	,

SHEET CONTENTS SAN ROQUE DAM MANAGEMENT T-PM-M8 OFFICE SITE LAYOUT PLAN

(30 48

SHT. NO.

SET

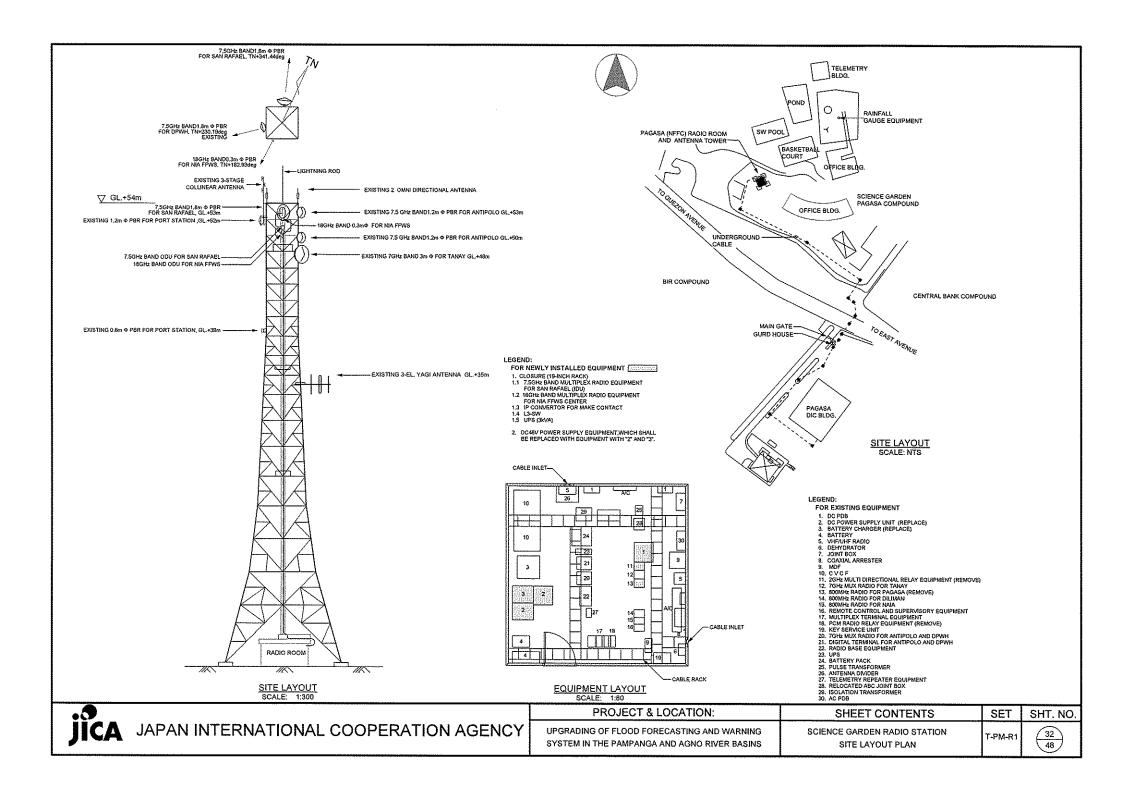


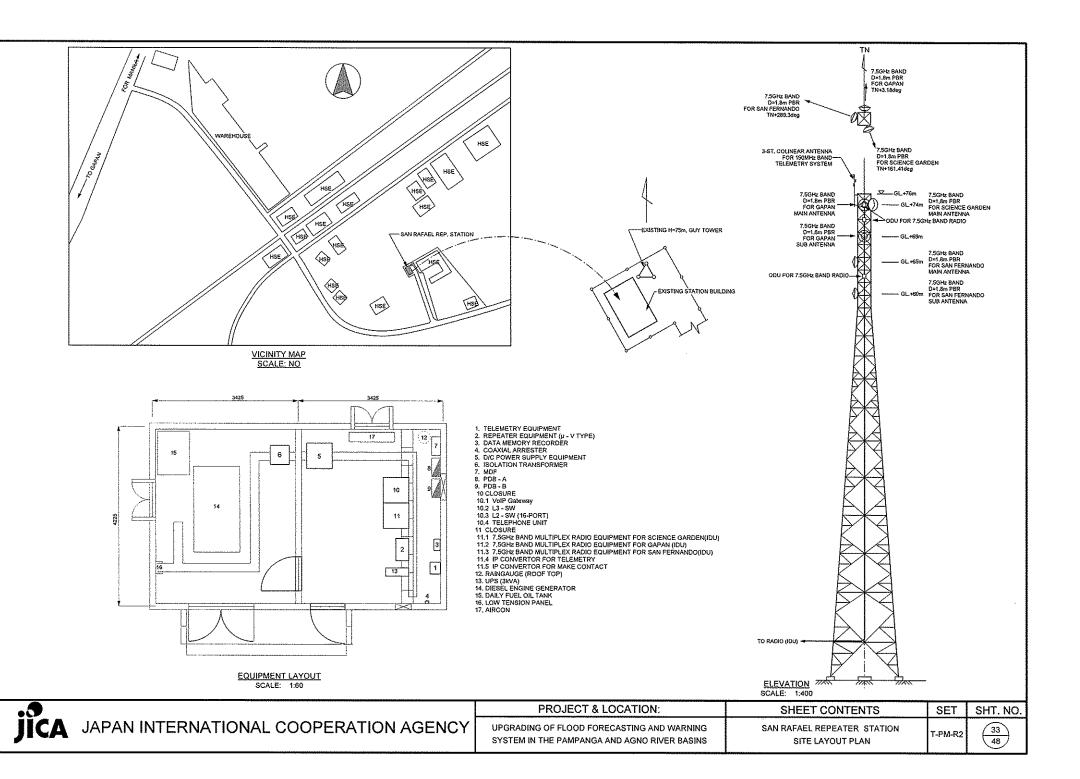


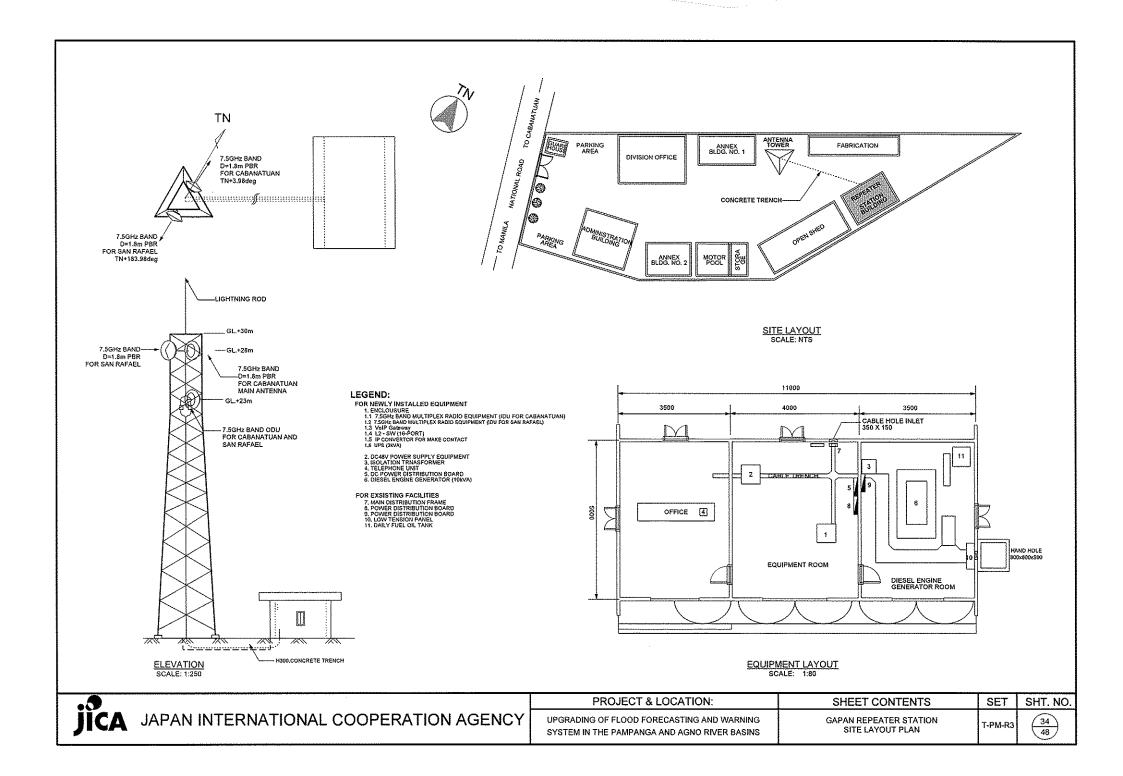
UP GRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS

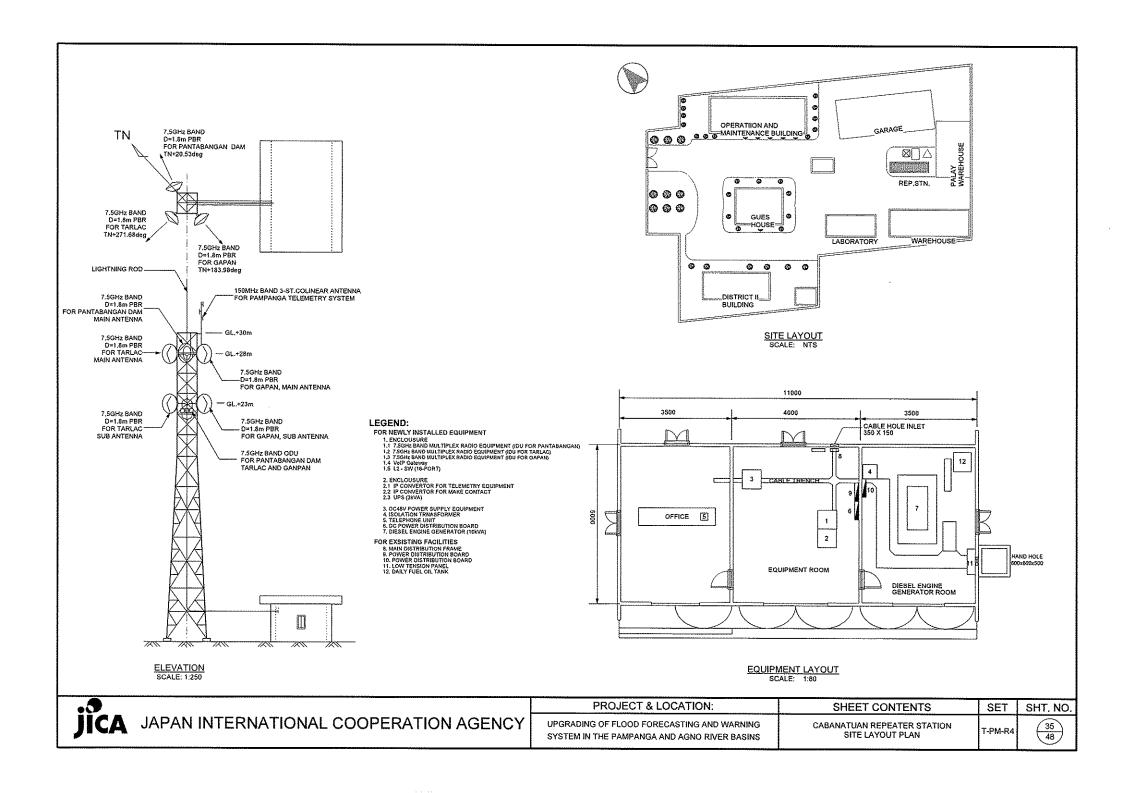
BINGA FFWS DAM OFFICE SITE LAYOUT PLAN

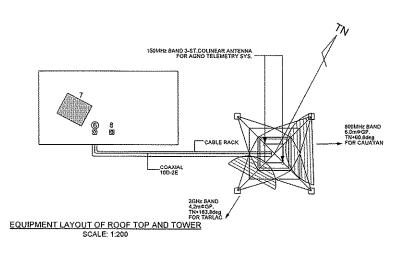
T-PM-M9

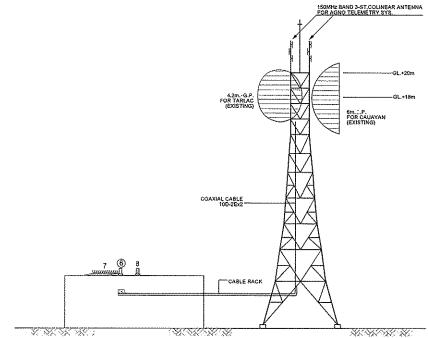




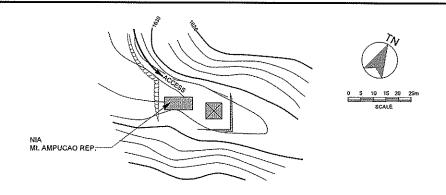








ELEVATIOIN OF ANTENNA TOWER SCALE: 1:200



LEGEND FOR EXISTING EQUIPMENT:

- MULTIPLEX RADIO EQUIPMENT
 (JUK-114A) (FOR TARLAC)
- REMOTE SUPERVISORY & CONTROL EQUIPMENT(JUD-12AS)
- (3) POWER DISTRIBUTION BOARD
- DIC POWER SUPPLY EQUIPMENT (NBB-31-75)
 (FOR MULTIPLEX RADIO SYSTEM EQUIPMENT)
- (5) COAXIAL ARRESTER
- RAINGAUGE (ON THE ROOF) (NKC-500)
- () ISOLATION TRANSFORMER (MS-10 AC)
- POWER DISTRIBUTION BOARD
 DIESEL ENGINE GENERATOR
- GENERATOR CONTROL PANEL
- O LOW TENSION PANEL
- @ DAILY FUEL OIL TANK
- STORAGE BATTERY FOR SUPPLY EQUIPMENT (CS-170)
- O POWER AMPLIFIER
- P C M MULTIPLEX TERMINAL EQUIPMENT
- MAIN DISTRIBUTION FRAME

LEGEND FOR NEWLY INSTALLED:

- 1. V V REPEATER EQUIPMENT (AGNO TELEMETRY SYSTEM)
- 2. TELEMETRY EQUIPMENT
- 3. DIGITAL DATA LOGGER
- 4. SOLAR CELLS POWER DISTRIBUTION BOARD
- STORAGE BATTERY
- 6. COAXIAL ARRESTER
- 7. SOLAR CELL PANEL
- 8. RAIN GAUGE EQUIPMENT

AND DIESEL ENGINE GENERATOR

EQUIPENT LAYOUT SCALE: 1:80

PROJECT & LOCATION:

UPGRADING OF FLOOD FORECASTING AND WARNING SYSTEM IN THE PAMPANGA AND AGNO RIVER BASINS

SHEET CONTENTS

MT. AMPUCAO RAIN GAUGE AND REPEATER STATION SITE LAYOUT PLAN

T-AG-G1 36 48

SET

SHT, NO.

JICA

JAPAN INTERNATIONAL COOPERATION AGENCY

