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SYSTEM ARCHITECTURE DIAGRAM

CHAO PHRAYA UNIT CONTROL & GOVERNOR CONTROL SYSTEM 1 & 2

RENOVATION PROJECT

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			EMERSON PROJECT NUMBER: 3280234	DRAWING TITLE: COVER SHEET	CLIENT: XXXX	01 OF 05
			CONTRACT NUMBER: N/A		EMERSON DRAWING NO. EMR-OVA-E-002	REV.
			DRAWN BY: NT DATE: 26-MAR-2020		CLIENT DRAWING NO. N/A	0
			CHECKED BY: SW DATE: 26-MAR-2020			
			APPROVED BY: JT DATE: 26-MAR-2020			
			SCALE: NTS SIZE: A3 UNITS: MM © 2009-19			

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
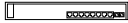



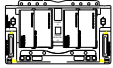

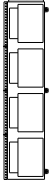

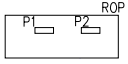

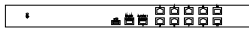



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PROJECT TITLE: CHAO PHRAYA UNIT CONTROL & GOVERNOR CONTROL SYSTEM 1 & 2
 DRAWING TITLE: INDEX SHEET

END USER: ELECTRICITY GENERATING AUTHORITY OF THAILAND	
CLIENT: XXXX	
EMERSON DRAWING NO.	EMR-OVA-E-002
CLIENT DRAWING NO.	N/A

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CONTENTS, ABBREVIATION LIST & LEGENDS

LEGENDS	DESCRIPTION	LEGENDS	DESCRIPTION
	FO/ETHERNET CONVERTER		ROUTER
	FIBER OPTIC PATCH PANEL		GPS SERVER
	NETWORK SWITCH		
	OCR1100 CONTROLLER		GPS ANTENNA
	4 SLOT I/O BASE ASSEMBLY		MONITOR
	OVATION I/O TRANSITION PANEL		PRINTER
	FIREWALL		OPERATING WORKSTATION
	TOUCH SCREEN HMI		LAPTOP

LEGENDS	
	ETHERNET PRIMARY
	ETHERNET SECONDARY
	PRINTER NETWORK
	HARDWIRED CONNECTION
	MODBUS CONNECTION
	FIBER PRIMARY
	FIBER SECONDARY

ABBREVIATION LIST	
AMS	ASSET MANAGEMENT SYSTEM
AVR	AUTOMATIC VOLTAGE REGULATOR
B/W	BLACK AND WHITE
BKP	BACKUP
BLR	BOILER
CMMS	COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM
DBS	DATABASE SERVER
DROP	OVATION CONTROLLER/WORKSTATION
DMZ	DEMILITARIZED ZONE
ES	ETHERNET SWITCH
EVAP0	EVAPORATOR
FO	FIBER OPTIC
FO/ETH	FO TO ETHERNET CONVERTER
FOPP	FIBER OPTIC PATCH PANEL
GPS	GLOBAL POSITIONING SYSTEM
IP TRF	INTERNET PROTOCOL TRAFFIC
LED	LIGHT EMITTING DIODE
NWS	NETWORK SWITCH
NAS	NETWORK ATTACHED STORAGE
OPC	OPEN PRODUCT CONNECTIVITY
OPH	OVATION PROCESS HISTORIAN
OVS	OPERATOR WORK STATION
PB	PROFIBUS
PMS	POWER MANAGEMENT SYSTEM
PP	POWER PLANT
PRI	PRIMARY
RIO	REMOTE INPUT OUTPUT
ROP	OVATION I/O TRANSITION PANEL
SEC	SECONDARY
SIS	SAFETY INSTRUMENTED SYSTEM
SYN	SYNCHRONIZATION
UPS	UNINTERRUPTIBLE POWER SUPPLY
VMS	VIBRATION MONITORING SYSTEM
OSC	OVATION SECURITY CENTER
RTR	ROUTER
CON	CONSOLE
VAMS	VEOLIA ASSET MANAGEMENT SYSTEM
HIS	HISTORIAN
NTP	NETWORK TIME PROTOCOL

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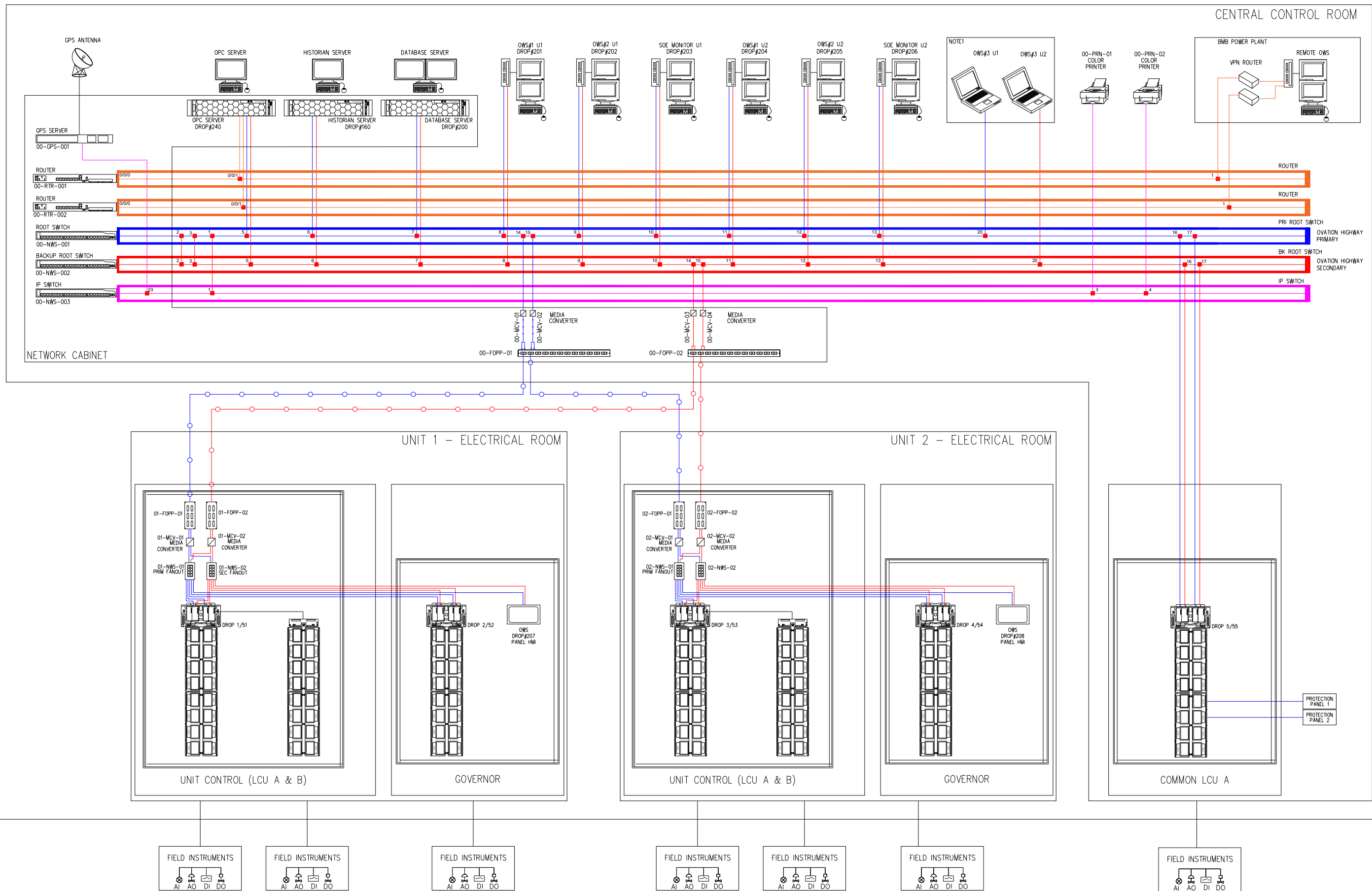
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 DRAWING TITLE: CONTENTS, ABBREVIATION LIST & LEGENDS

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CLIENT: XXXX	
EMERSON DRAWING NO. EMR-OVA-E-002	
CLIENT DRAWING NO. N/A	REV. 0

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SYSTEM ARCHITECTURE DIAGRAM



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NOTE:
1. THESE ARE PORTABLE DEVICES CAN BE CONNECTED AS REQUIRED.

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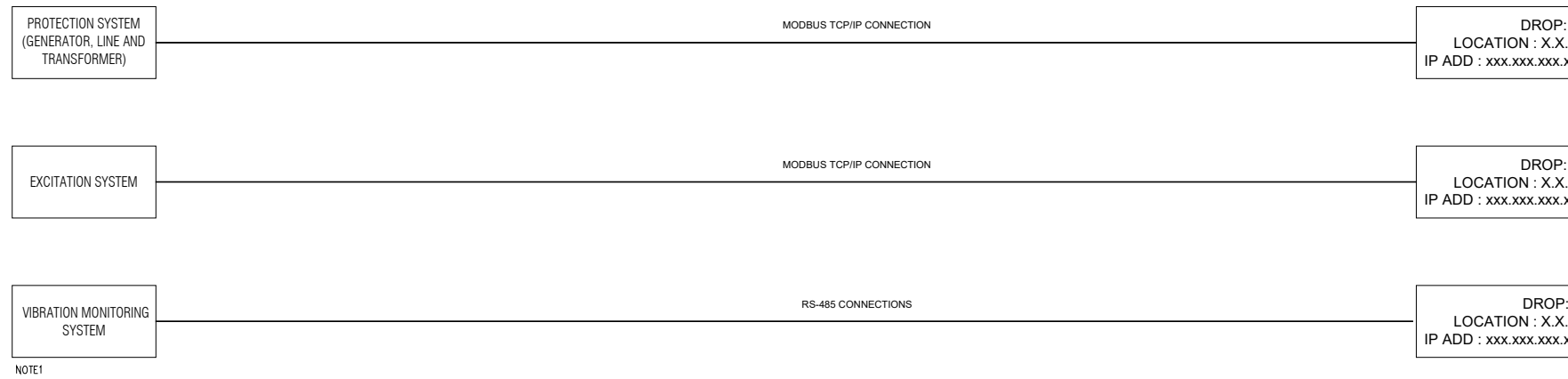
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PROJECT TITLE: CHAO PHRAYA UNIT CONTROL & GOVERNOR CONTROL SYSTEM 1 & 2
DRAWING TITLE: SYSTEM ARCHITECTURE DIAGRAM

END USER:	ELECTRICITY GENERATING AUTHORITY OF THAILAND
CLIENT:	XXXX
EMERSON DRAWING NO.:	EMR-OVA-E-002
CLIENT DRAWING NO.:	N/A

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OF	05
REV.	0

3RD PARTY COMMUNICATION CONNECTION DRAWING



NOTE1

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LIBRARY REVISION :

NOTE: 1. SCOPE OF VIBRATION MONITORING SYSTEM NOT YET CONFIRMED.
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PROJECT TITLE: CHAO PHRAYA UNIT CONTROL & GOVERNOR CONTROL SYSTEM 1 & 2
DRAWING TITLE: 3RD PARTY COMMUNICATION CONNECTION DRAWING

END USER: ELECTRICITY GENERATING AUTHORITY OF THAILAND	SHT.
CLIENT: XXXX	05 OF 05
EMERSON DRAWING NO. EMR-OVA-E-002	REV. 0
CLIENT DRAWING NO. N/A	