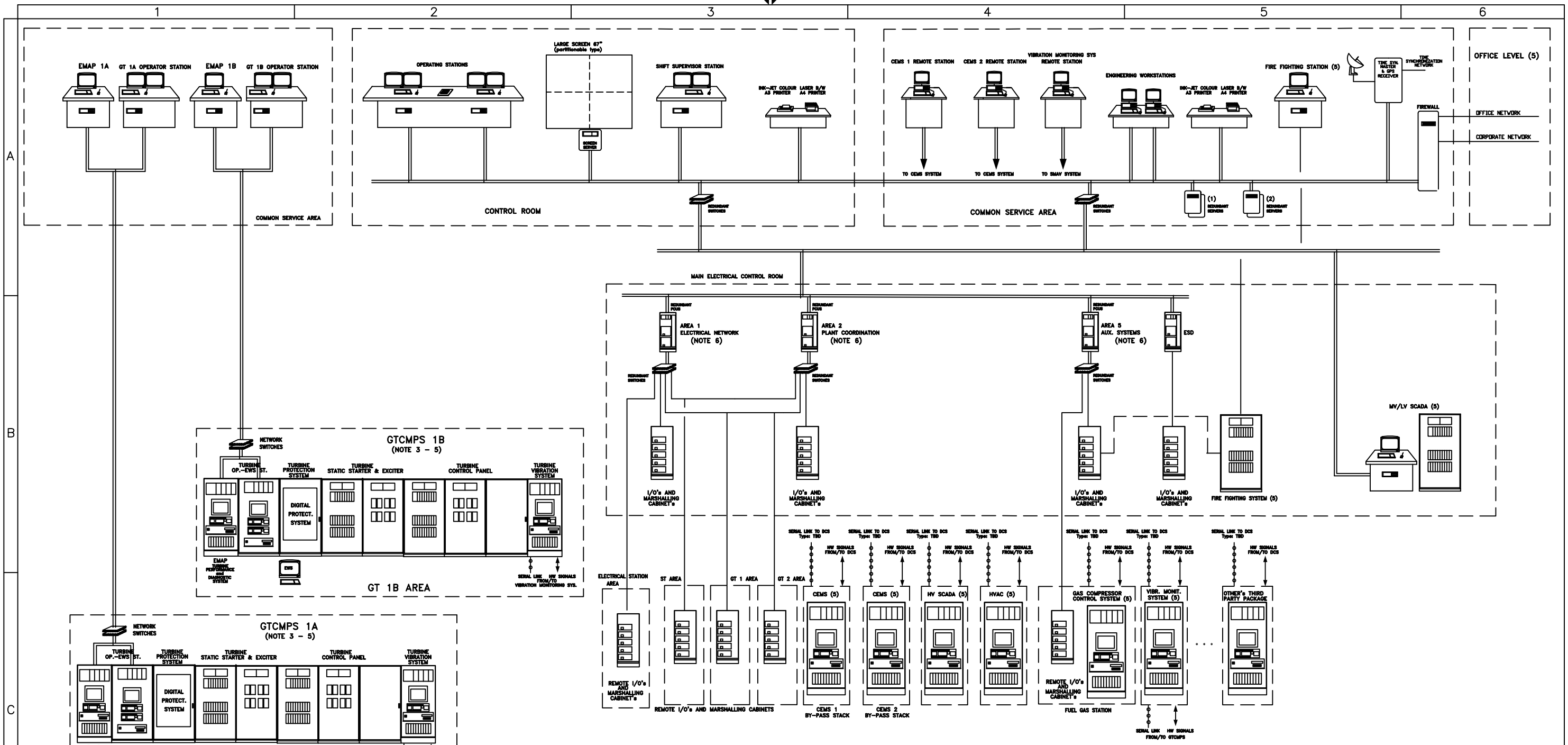
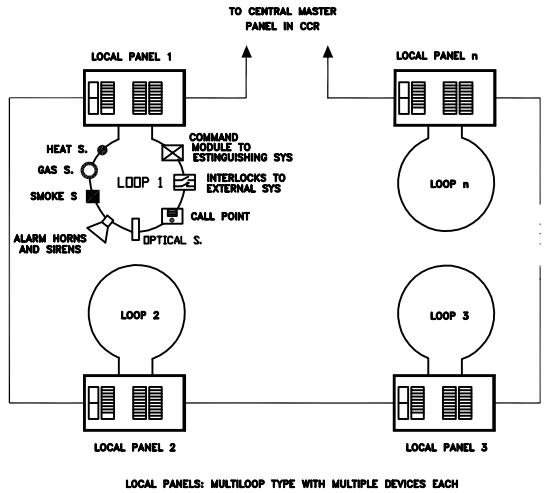


OCGT–1A+1B PHASE

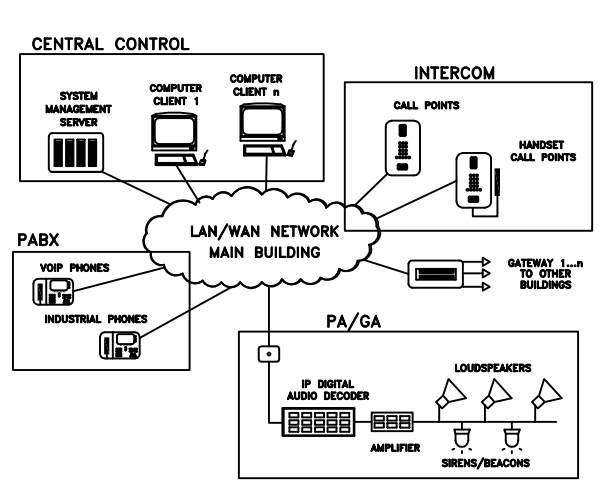
INFRASTRUCTURAL SYSTEMS (NOTE 5)

FIRE FIGHTING & DETECTION SYSTEM



LOCAL PANELS: MULTILOOP TYPE WITH MULTIPLE DEVICES EACH

COMMUNICATION SYSTEMS (PABX–PA/GA–INTERCOM–RADIO)



NOTE

(1) REDUNDANT SERVERS FOR
- DIAGNOSTIC (INSTRUMENTATION & MAIN MACHINERY)
- MAINTENANCE
- ECONOMICAL PERFORMANCE
- HISTORY

(2) REDUNDANT SERVERS FOR
- INTERFACE WITH OTHER SYSTEM
- PROCESS DATA (FRONT END FOR WEB SERVICES)

(3) GTCMPS 1A + GTCMPS 1B INTEGRATION in DCS via OPC (DA–AE) + HW SIGNALS

(4) N.A

(5) NOT IN DCS SCOPE OF SUPPLY

(6) DCS AREAs MAIN SYSTEMS CONTENTS:
- AREA 1: POWER CENTERS, FEEDERS, TRANSFORMERS, BREAKERS, etc.
- AREA 2: LOAD COORDINATOR, GT1A, GT 1B, STACK DAMPERS, CEMS 1, CEMS 2
- AREA 5: NATURAL GAS, COOLING WATERs, FIRE FIGHTING & DETECTION, etc. SIGNALS FROM/TO EXISTING DCS FOR THE INTERFACE WITH THE EXISTING COMMON AUXILIARY SYSTEMS (e.g. Demi W., ITAR. etc.)

REV. Rev.	DATE Data	SCOPE Scopo	REVISION DESCRIPTION Descrizione della revisione	PREPARED BY Preparato	COOPERATIONS Collaborazioni	APPROVED BY Approvato	ISSUED BY Emesso
00	10/12/18	PR	Preliminary	GL			

CLIENT Cliente: ENEL GLOBAL GENERATION – GENERATION ITALY

JOB No | DOC No

PROJECT Progetto: CAPACITY STRATEGY ITALY

ENGINEERING AND CONSTRUCTION

TITLE Titolo: CONTROL SYSTEM ARCHITECTURE (OCGT/CCGT) IN CONFIGURATION 2+1

APPLIC. TO SECTION Valido per le sezioni

EMPLOYER SUBMITAL Invio al cliente
- ☐ FOR APPROVAL Per approvazione
- ☐ FOR INFORMATION ONLY Per informazione
- ☐ NOT REQUESTED Non richiesto

SYSTEM Sistema

SCALE Scala

DWG No Dis. n.: PBITC00104

SHEET Foglio	FOLL.SHEET Segue fg.	OF Di	SIZE FORMATO	DWG TYPE Tipo el.	DISC. Disc.
02	03	03	A3	D N	A

SEC. INDEX

FILE NAME Nome file: PBITC0010400

REPLACES DWG No Sostituisce il

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