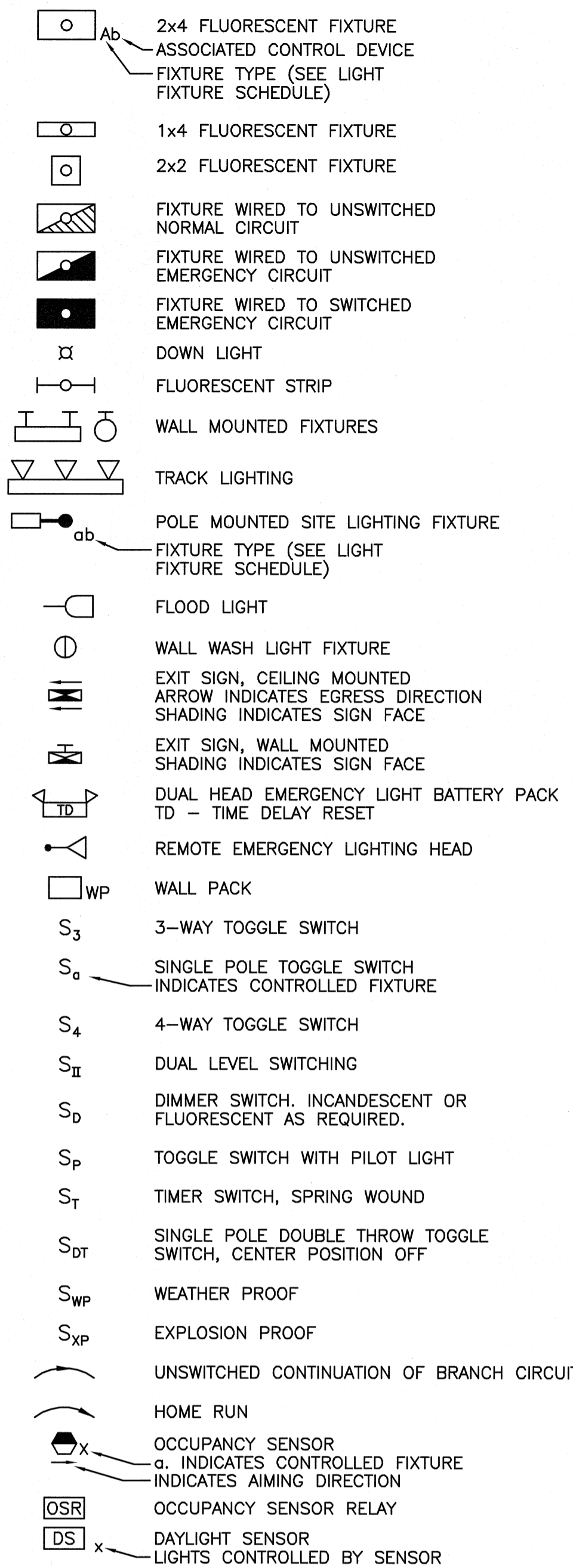
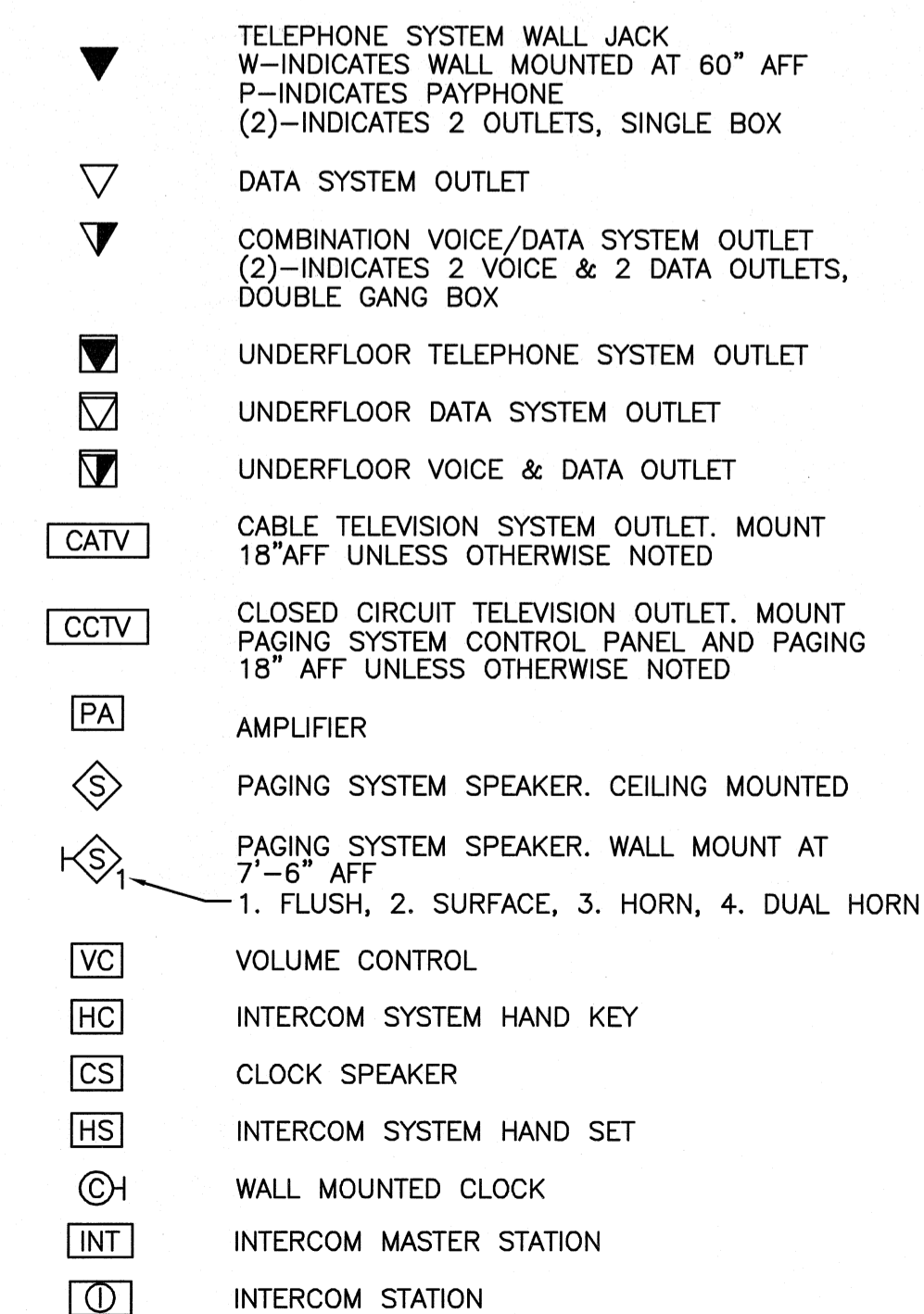


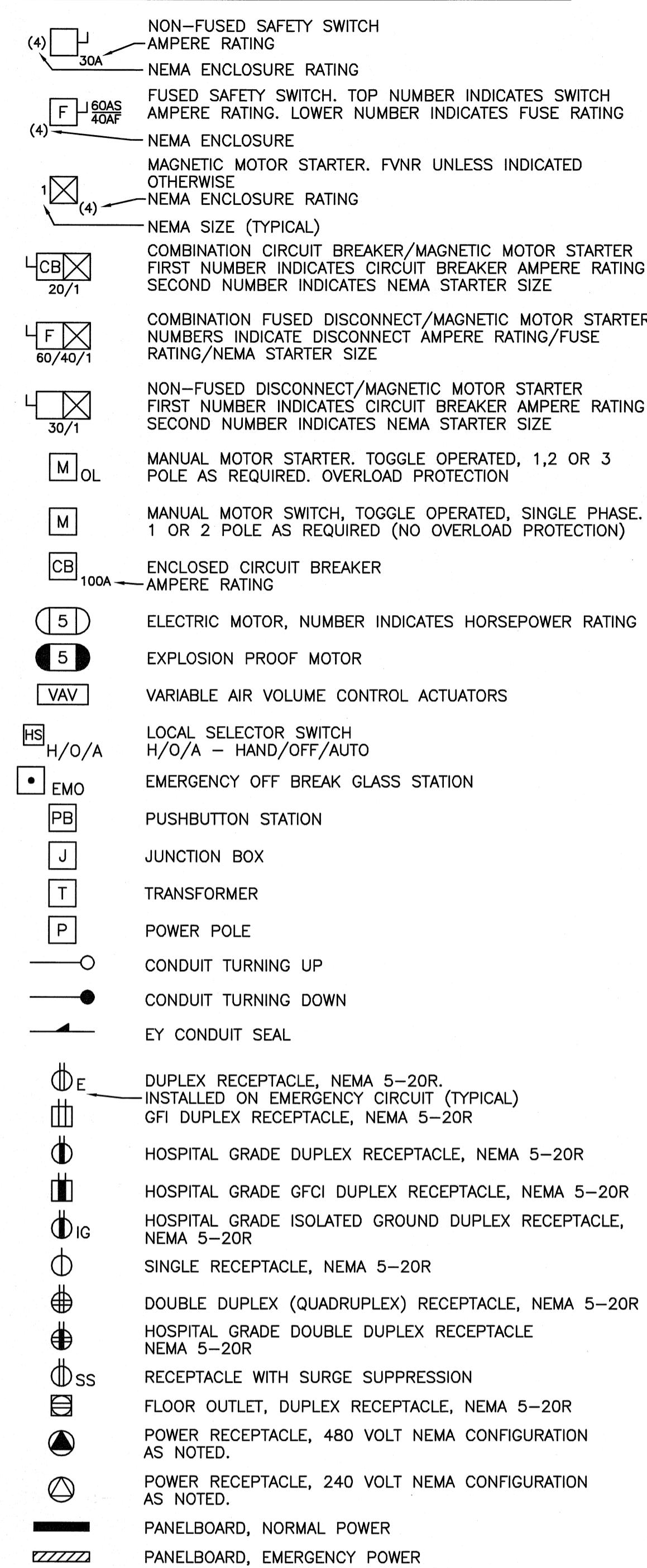
LIGHTING



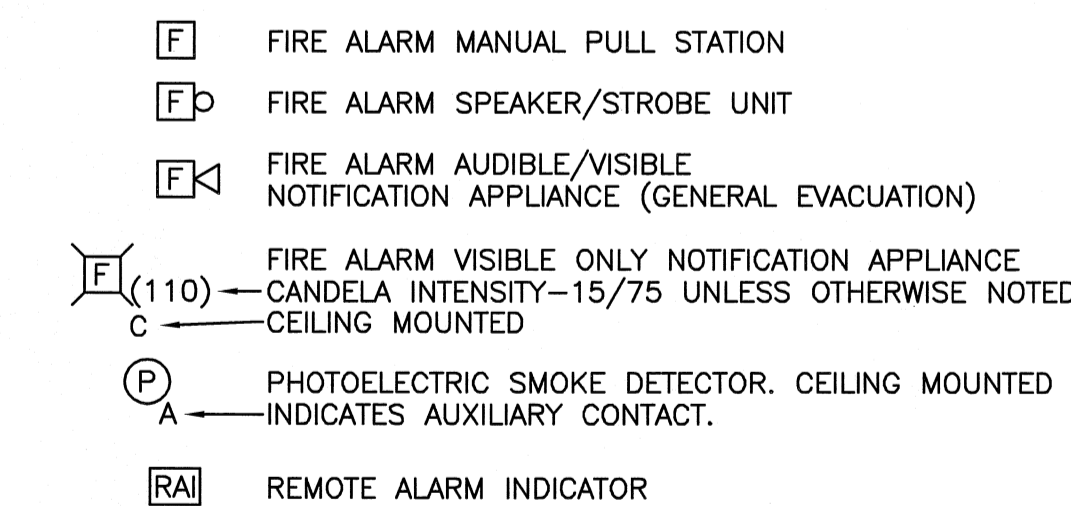
COMMUNICATION & DATA SYSTEMS



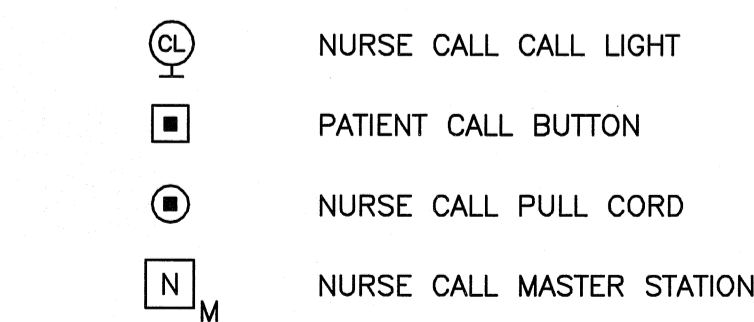
POWER



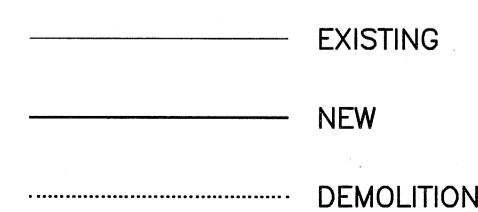
FIRE ALARM



NURSE CALL SYSTEM



LINE TYPES



ABBREVIATIONS

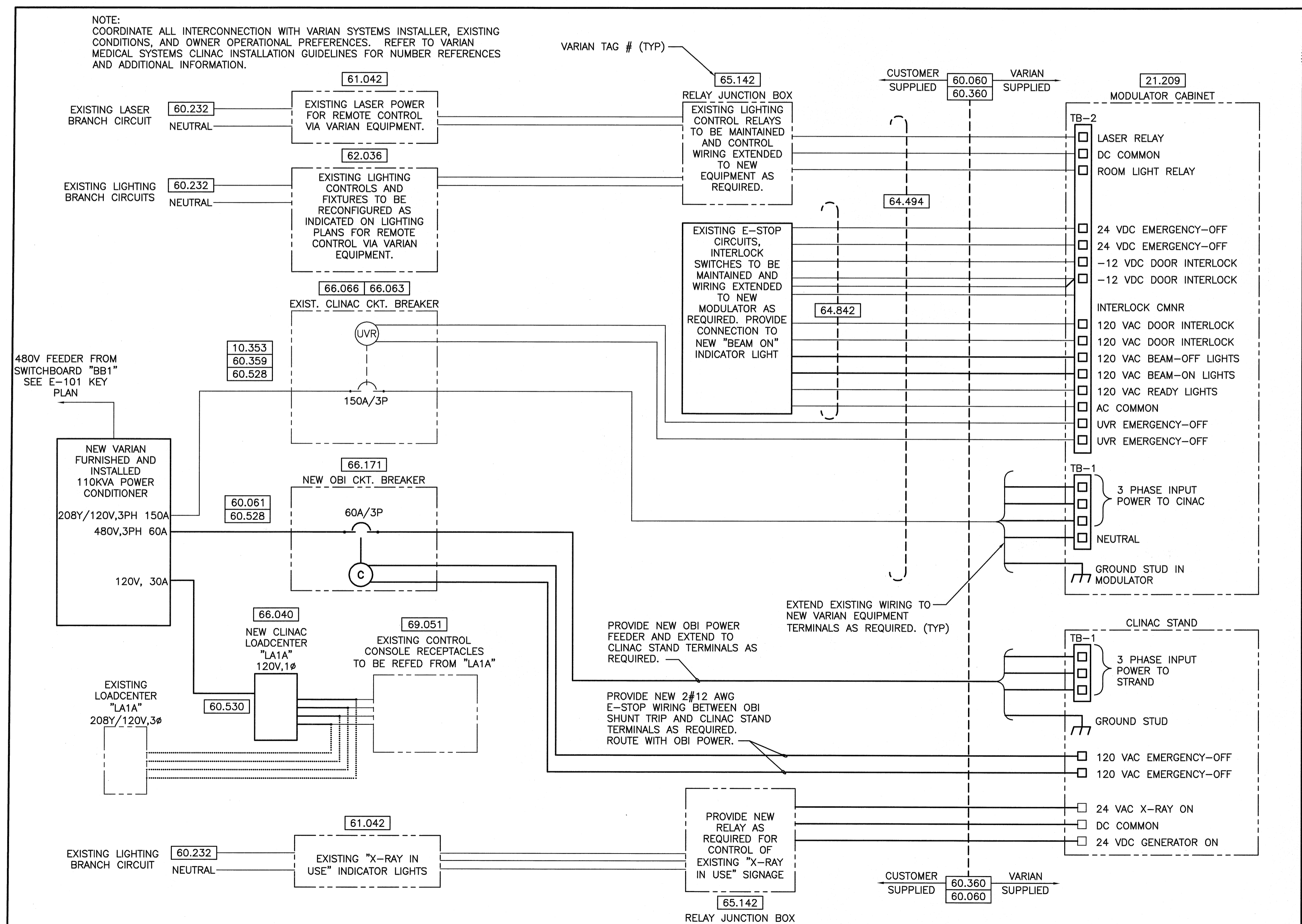
A.AMP	AMPERE	GEN	GENERATOR	NO	NORMALLY OPEN
AFF	ABOVE FINISHED FLOOR	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	NTS	NOT TO SCALE
AFG	ABOVE FINISHED GRADE	GND	GROUND	PF	POWER FACTOR
AHJ	AUTHORITY HAVING JURISDICTION	HP	HORSEPOWER	PH	PHASE
AIC	AMPERE INTERRUPTING CAPACITY	HTR	HEATER	PVC	POLYVINYL CHLORIDE
AWG	AMERICAN WIRE GAUGE	IG	ISOLATED GROUND	RGS	RIGID STEEL CONDUIT
BOS	BOTTOM OF STEEL	IMC	INTERMEDIATE METAL CONDUIT	RSC	RIGID STEEL CONDUIT
C	CONDUIT, CONDUCTOR	K	KILO	RTD	RESISTANCE TEMPERATURE DETECTOR
CATV	CABLE TELEVISION	KCMIL	THOUSAND CIRCULAR MILS	SN	SOLID NEUTRAL
CB	CIRCUIT BREAKER	KV	KILOVOLT	STP	SHIELDED TWISTED PAIR
CCTV	CLOSED CIRCUIT TELEVISION	KVA	KILOVOLT-AMPERE	STT	SHIELDED TWISTED TRIPLET
CPT	CONTROL POWER TRANSFORMER	KVAR	KILOVOLT AMPERE REACTIVE	SWBD	SWITCHBOARD
CFT	CURRENT TRANSFORMER	KW	KILOWATT	SWGR	SWITCHGEAR
CU	COPPER	KWH	KILOWATT-HOUR	TOS	TOP OF STEEL
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER	LA	LIGHTNING ARRESTER	TRANSF	TRANSFORMER
DB	DIRECT BURIED	LTG	LIGHTING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
DISC	DISCONNECT	MC	MINERAL INSULATED	V	VOLT
DN	DOWN	MCB	MAIN CIRCUIT BREAKER	VA	VOLT-AMPERE
EMT	ELECTRICAL METALLIC TUBING	MFR	MANUFACTURER	VAR	VOLT-AMPERE REACTIVE
EWC	ELECTRIC WATER COOLER	MI	MINERAL INSULATED	WM	WATT METER
FAA	FIRE ALARM ANNUNCIATOR	MLO	MAIN LUG ONLY	WP	WEATHER PROOF
FACP	FIRE ALARM CONTROL PANEL FURNISHED BY OTHERS	MTD	MOUNTED	XFMR	TRANSFORMER
FBO	FURNISHED BY OTHERS	MV	MEDIUM VOLTAGE	XP	EXPLOSION PROOF
FWE	FURNISHED WITH EQUIPMENT	NC	NORMALLY CLOSED		
		NEG	NEGATIVE		
		NEUT	NEUTRAL		
		NIC	NOT IN CONTRACT		

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF, LIGHTING TOGGLE SWITCHES, NURSE CALL BUTTONS, PULL CORDS, AND MASTER STATIONS, VOLUME CONTROLS, SECURITY DEVICES 48-INCHES AFF, DATA SYSTEM OUTLETS 18-INCHES AFF, FIRE ALARM NOTIFICATION DEVICES AND NURSE CALL LIGHTS 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES AFF TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF THE SEPARATION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
- UNLESS OTHERWISE NOTED WIRING SHALL BE 2 #12 AWG CONDUCTORS & #12 GND IN EMT OR HOSPITAL GRADE MC CABLE. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 120/277 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL HEAVY DUTY GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- PROVIDE WALL PLATES FOR ALL WIRING DEVICES, NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
- CONTRACTOR SHALL UPDATE THE PANEL SCHEDULES OF ALL PANELS THAT HAVE HAD THEIR CIRCUITS ALTERED DURING CONSTRUCTION.
- FIRE ALARM SYSTEM IS AN EXISTING HONEYWELL ANALOG ADDRESSABLE SYSTEM. CONTRACTOR TO PROVIDE ALL NECESSARY MODIFICATION, RECONFIGURATION, AND PROGRAMMING FOR A COMPLETE AND OPERABLE SYSTEM.



A7	INTERCONNECTION WIRING DIAGRAM
NONE	*

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STATE OF MAINE
DANIEL J. JOHNSON
LICENSED PROFESSIONAL ENGINEER
NO. 9835
9/19/08

MAINE MEDICAL CENTER
CLINAC REPLACEMENT PROJECT
22 BROWN HALL ST PORTLAND, MAINE

ISSUED FOR CONSTRUCTION 9-19-08

REV	DATE	DESCRIPTION
0	9-19-08	ISSUED FOR CONSTRUCTION

GRAPHIC SCALE:
0' 1'

SCALE: NONE
PROJECT MANAGER: CDP
IC/DRAWN BY: CDS
A/E OF RECORD: DIT
CAD FILE: E-001-08134
PROJECT NO: 08134
DATE: 9-19-08
SHEET TITLE:

LEGEND AND GENERAL NOTES

SHEET No. E-001