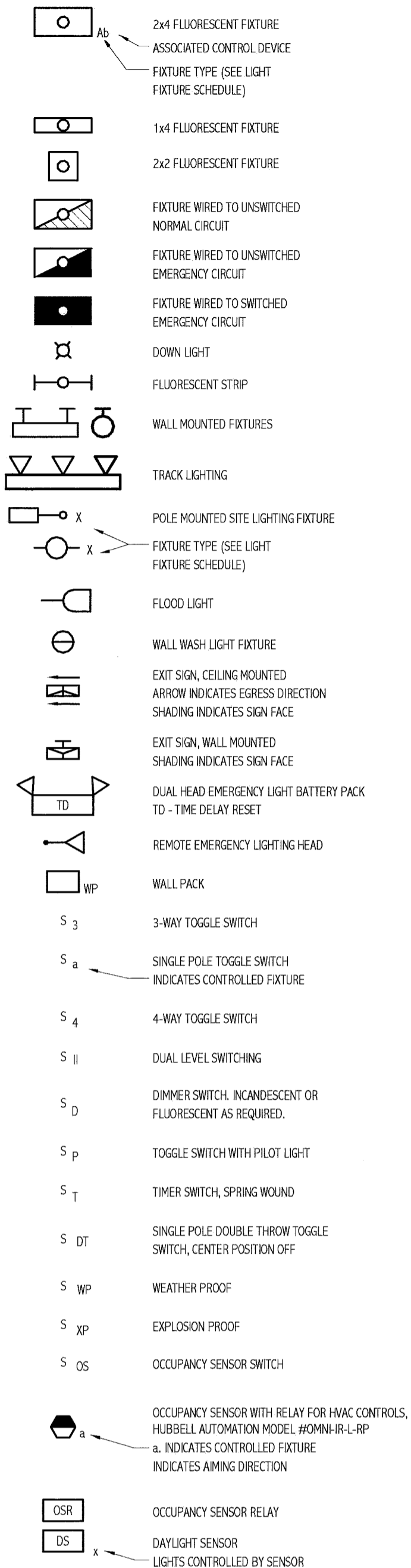
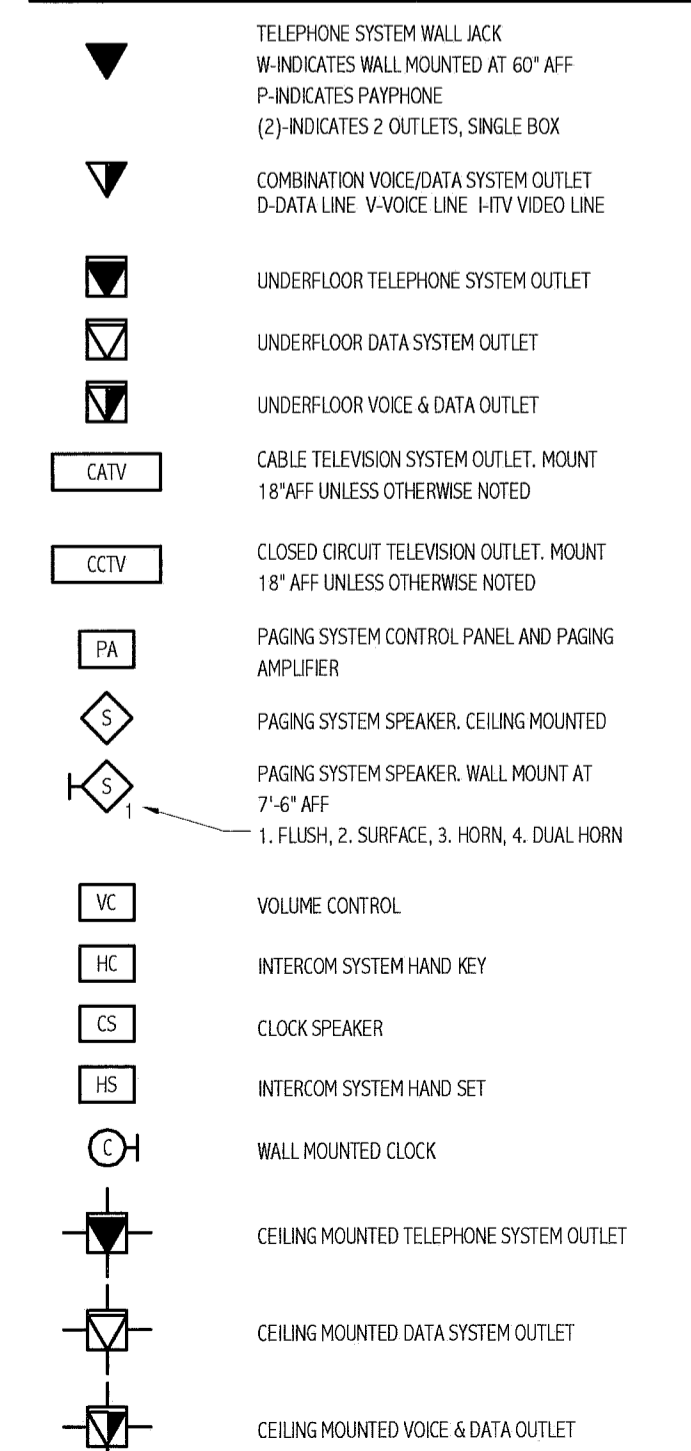


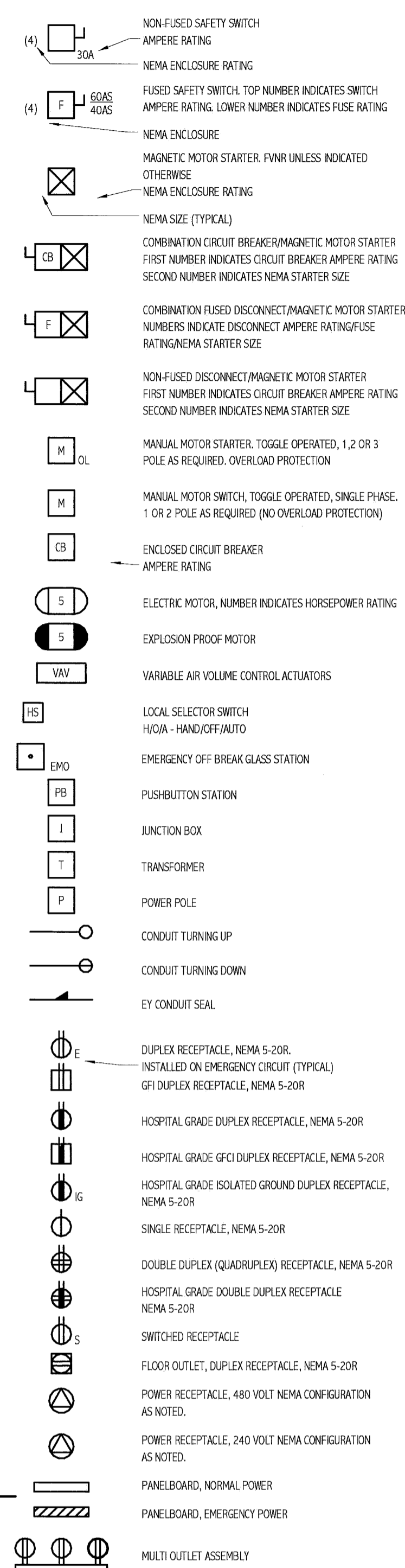
LIGHTING



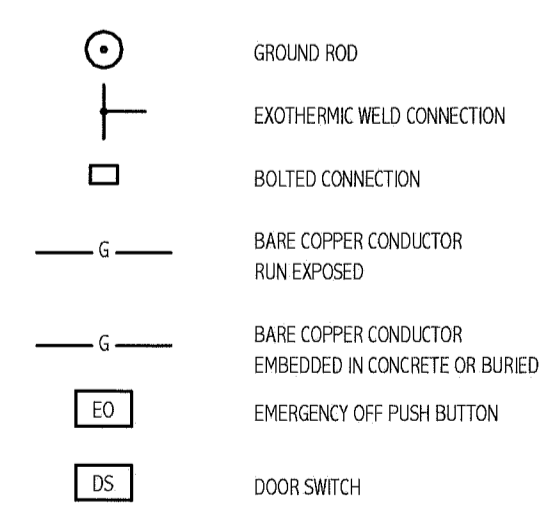
COMMUNICATION & DATA SYSTEMS



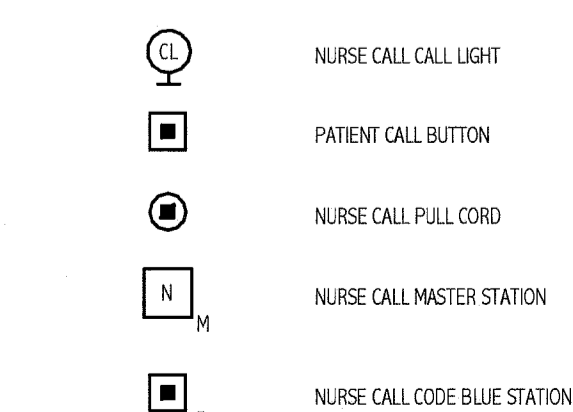
POWER



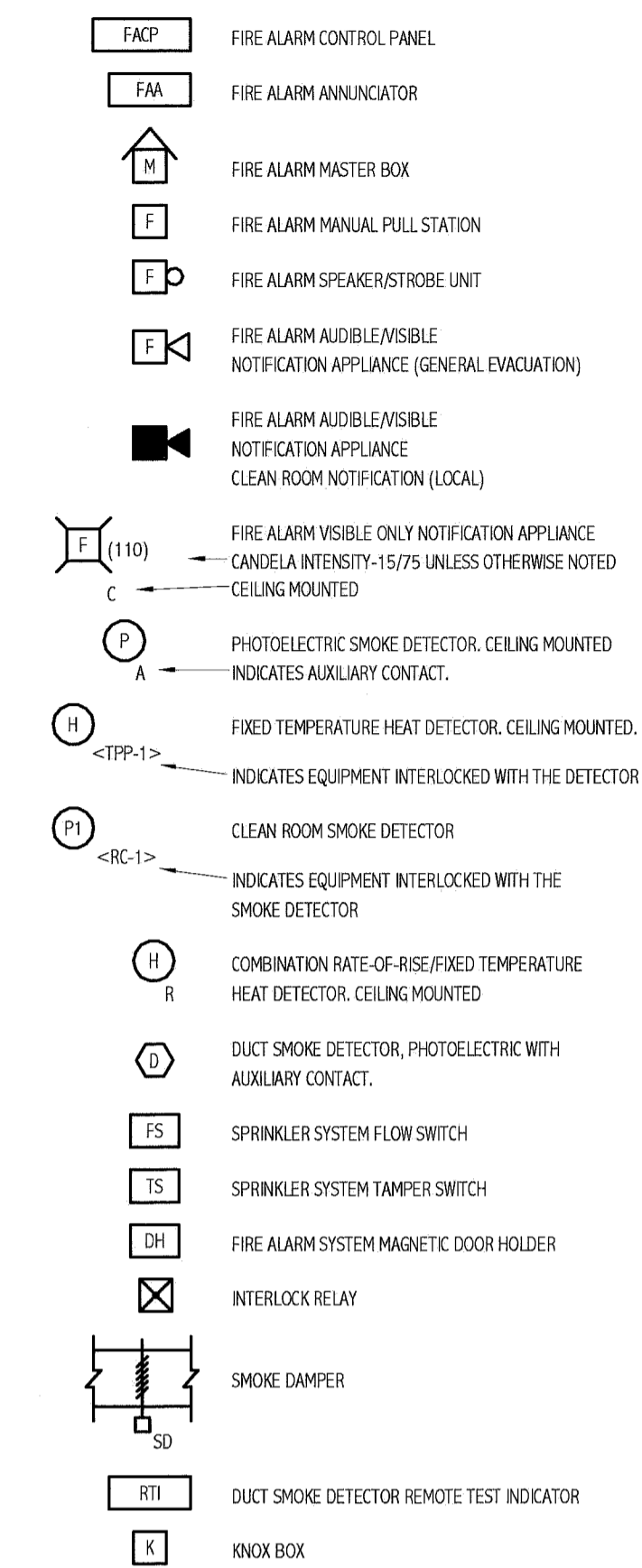
GROUNDING



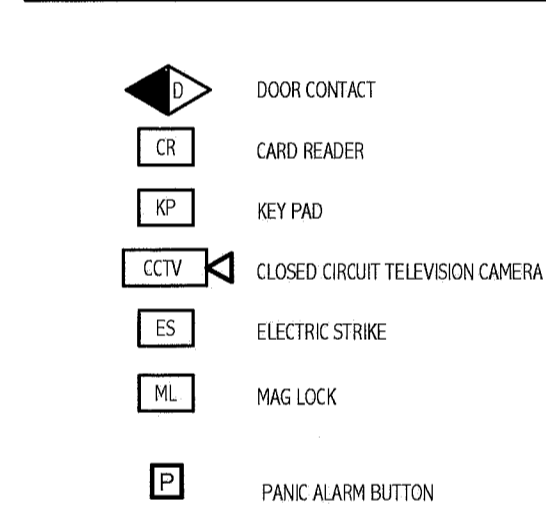
NURSE CALL SYSTEM



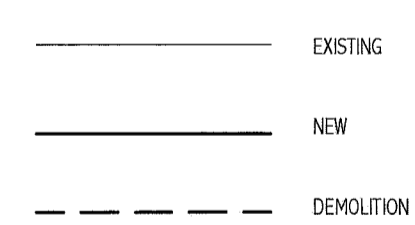
FIRE ALARM



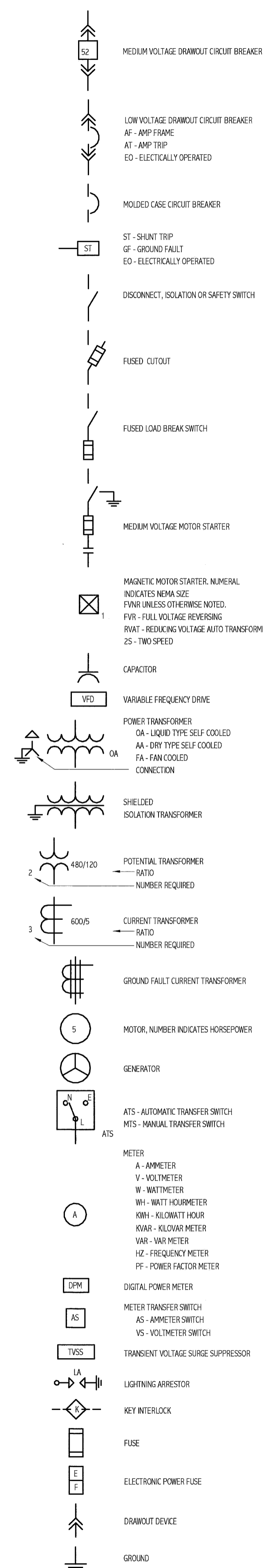
SECURITY SYSTEMS



LINE TYPES



ONE LINE DIAGRAM



ABBREVIATIONS

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

GENERAL NOTES:

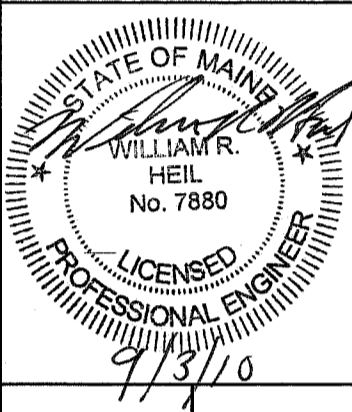
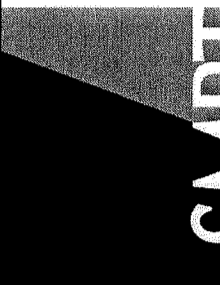
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH NFPA-70, NATIONAL ELECTRICAL CODE (NEC).
- ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 16000 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF, LIGHTING TOGGLE SWITCHES 48-INCHES AFF, DATA SYSTEM OUTLETS 18-INCHES AFF, FIRE ALARM NOTIFICATION DEVICES 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, PARTED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF 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 AND #12 GND. 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. PROVIDE LEVITON WIRING DEVICES. COLOR TO BE HORY.
- CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION HOSPITAL GRADE TAMPER RESISTANT GROUNDING TYPE NEMA 5-20R, SIDE WIRED, LEVITON MODEL #8300-SGL. COLOR TO BE IVORY. RECEPTACLES ON THE EMERGENCY SYSTEM SHALL BE RED.
- PROVIDE WALL PLATES FOR ALL WIRING DEVICES. NYLON SMOOTH TYPE IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS. ALL WIRING DEVICES PLATES TO BE PROVIDED WITH TAMPER PROOF SCREENS.
- ALL WIRING SHALL BE 600V, COPPER WITH THINWALL INSULATION.

GENERAL NOTE

- 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.

144 Free Street, Box 618
Portland, Maine 04104
Tel: (207) 772-3846
Fax: (207) 772-1070
www.smriti.com

ARCHITECTURE
ENGINEERING
PLANNING
INTERIOR DESIGN
COMMISSIONING



Maine Medical Center Cath Lab 5

ISSUED FOR CONSTRUCTION
9.3.10

| NO. | DATE | DESCRIPTION |
|-----|--------|-------------------------|
| 0 | 9.3.10 | ISSUED FOR CONSTRUCTION |
| 1 | | REV |

GRAPHIC SCALE:
0' 1'

SCALE: 1/2" = 1'-0"
PROJECT MANAGER: KD
DRAWN BY: CDS
DATE OF RECORD: NRM
PROJECT NO.: 10006-00
DATE: 9.3.10

SHEET TITLE:
LEGEND AND
GENERAL NOTES

SHEET No.
E-001