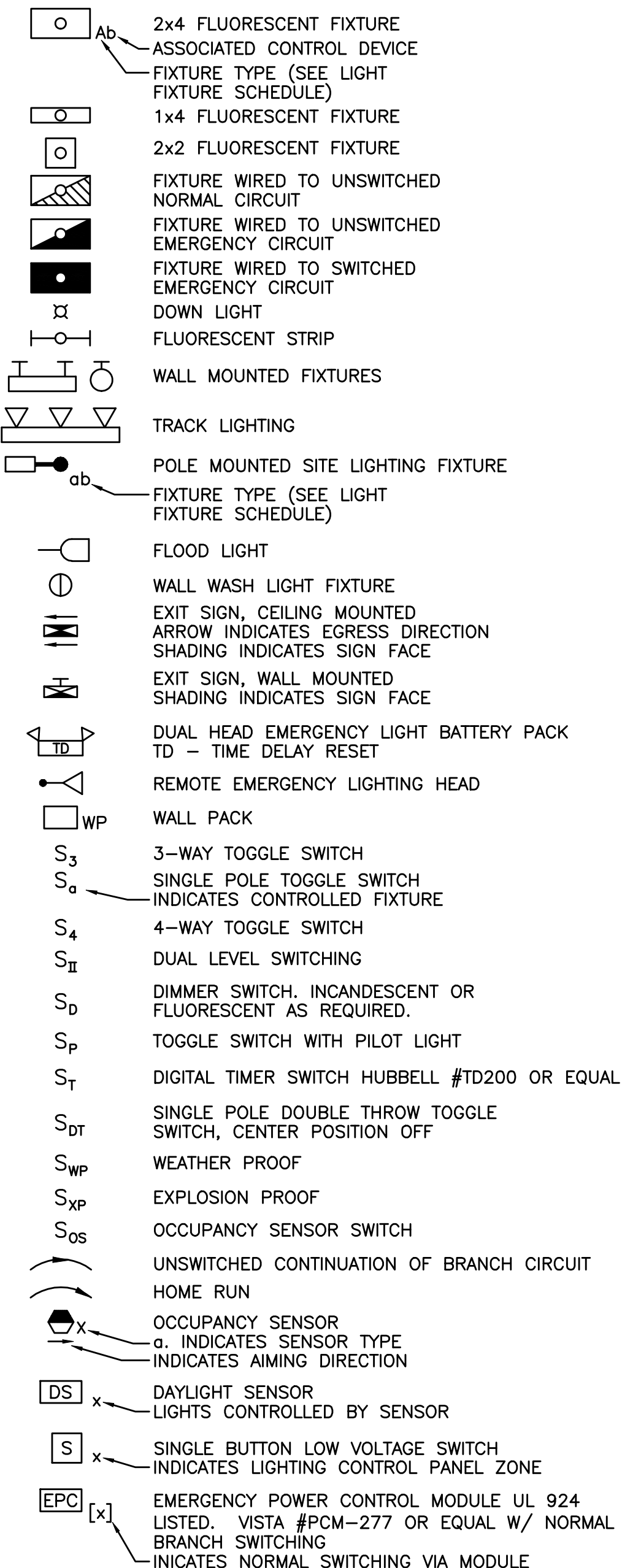
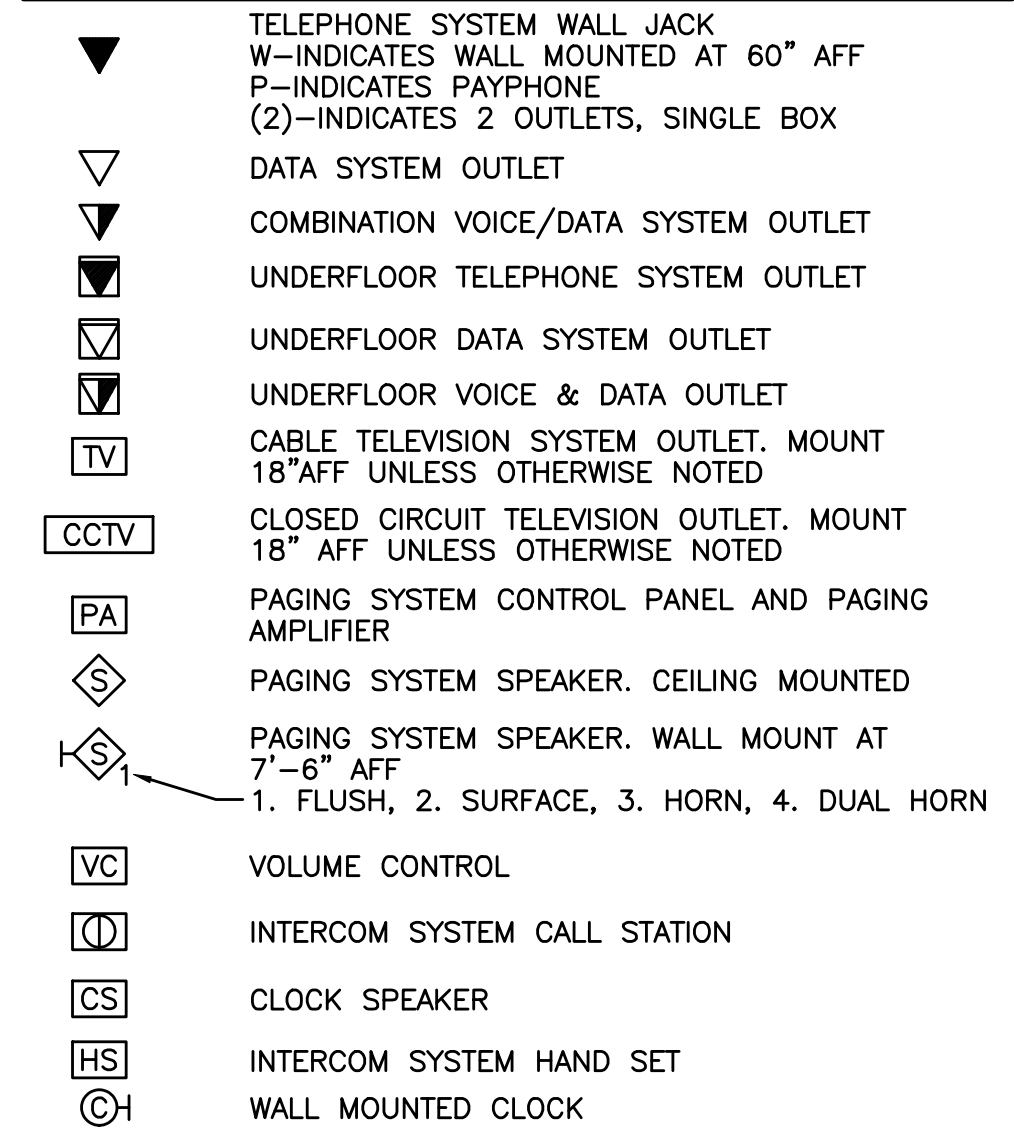


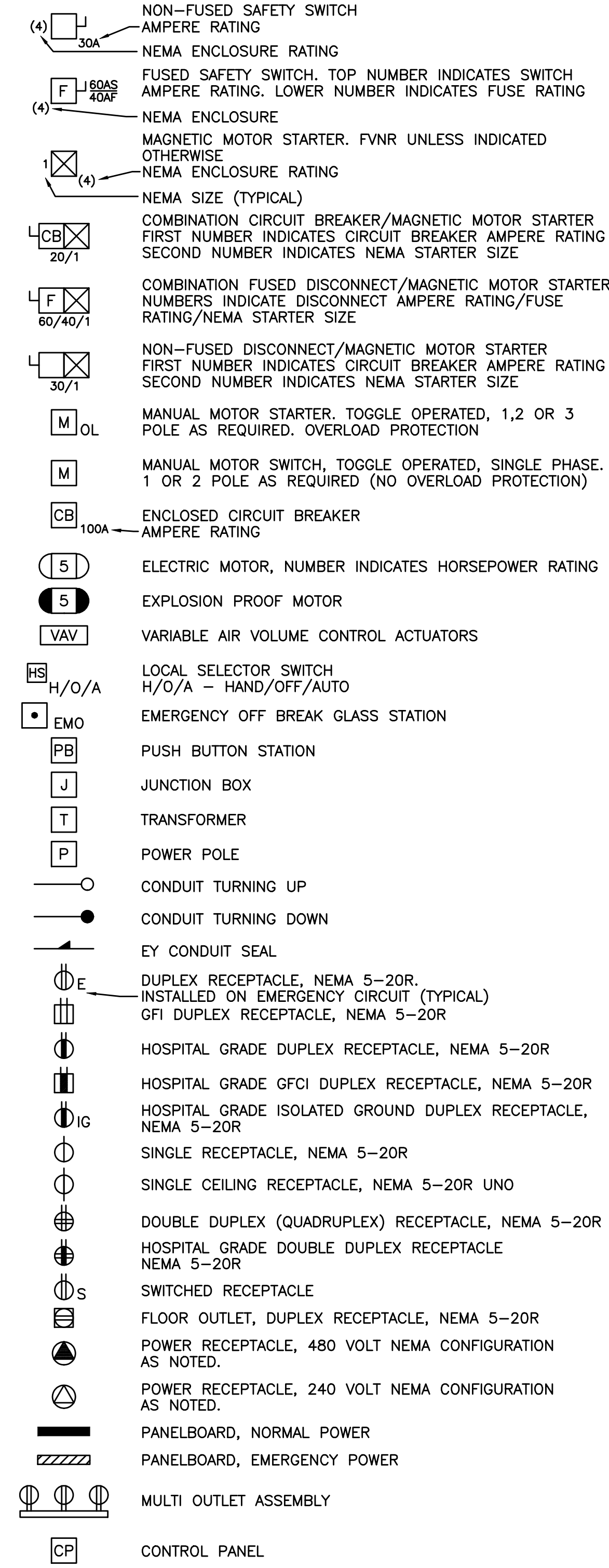
LIGHTING



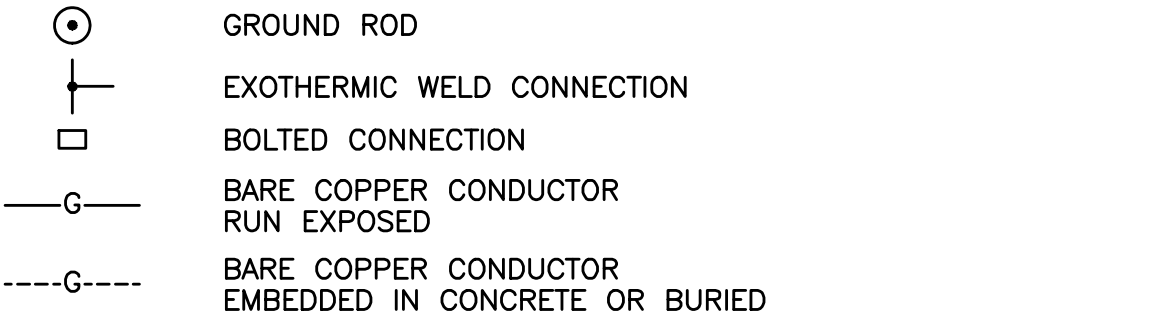
COMMUNICATION & DATA SYSTEMS



POWER



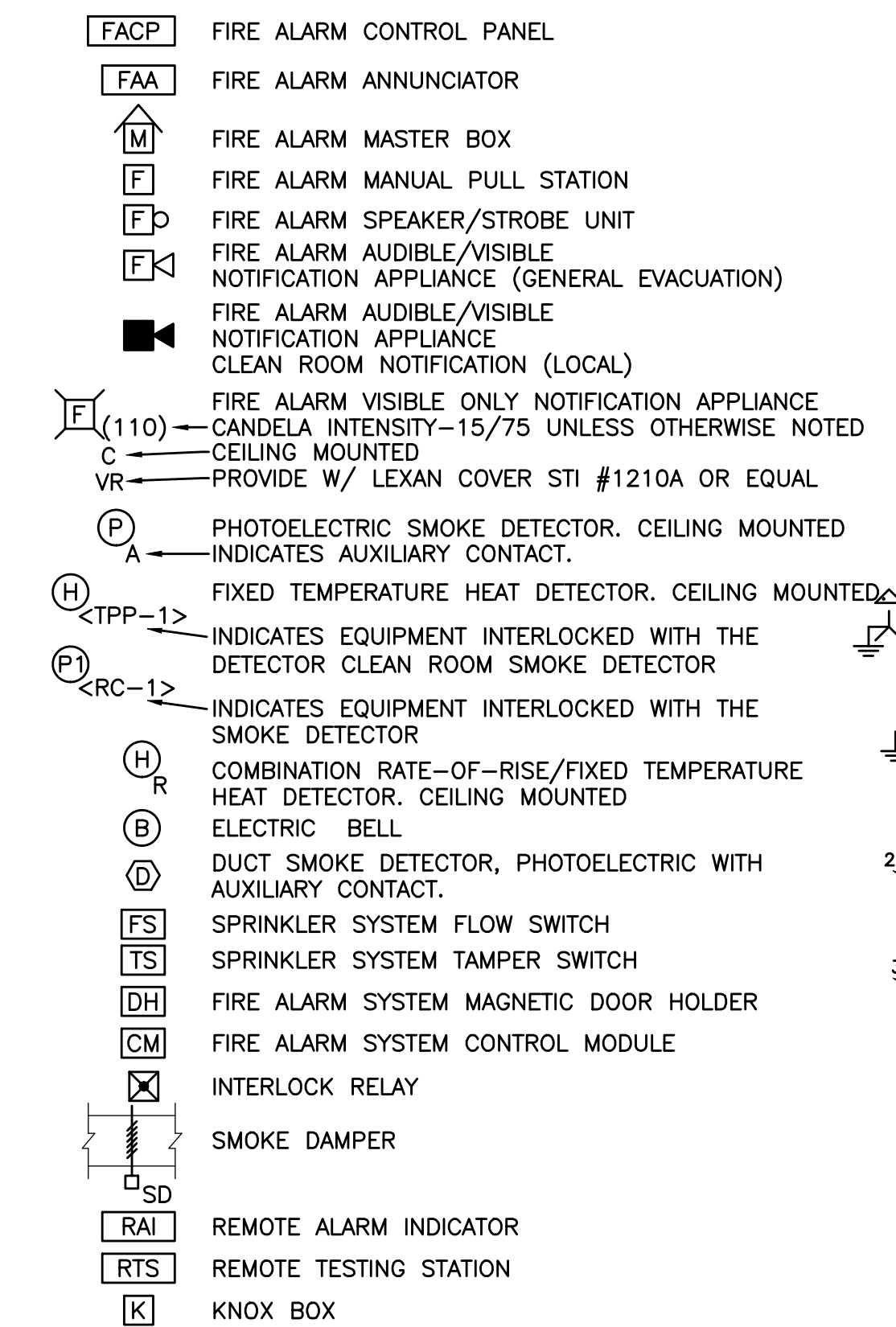
GROUNDING



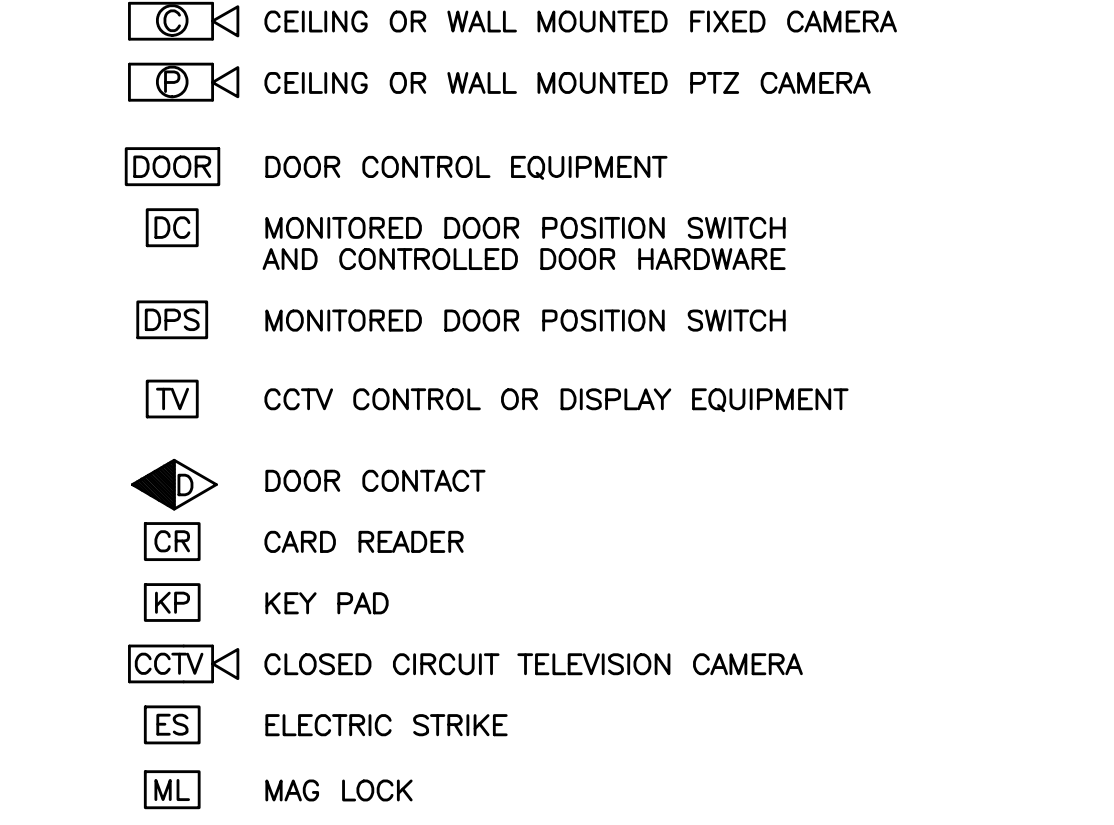
LINE TYPES



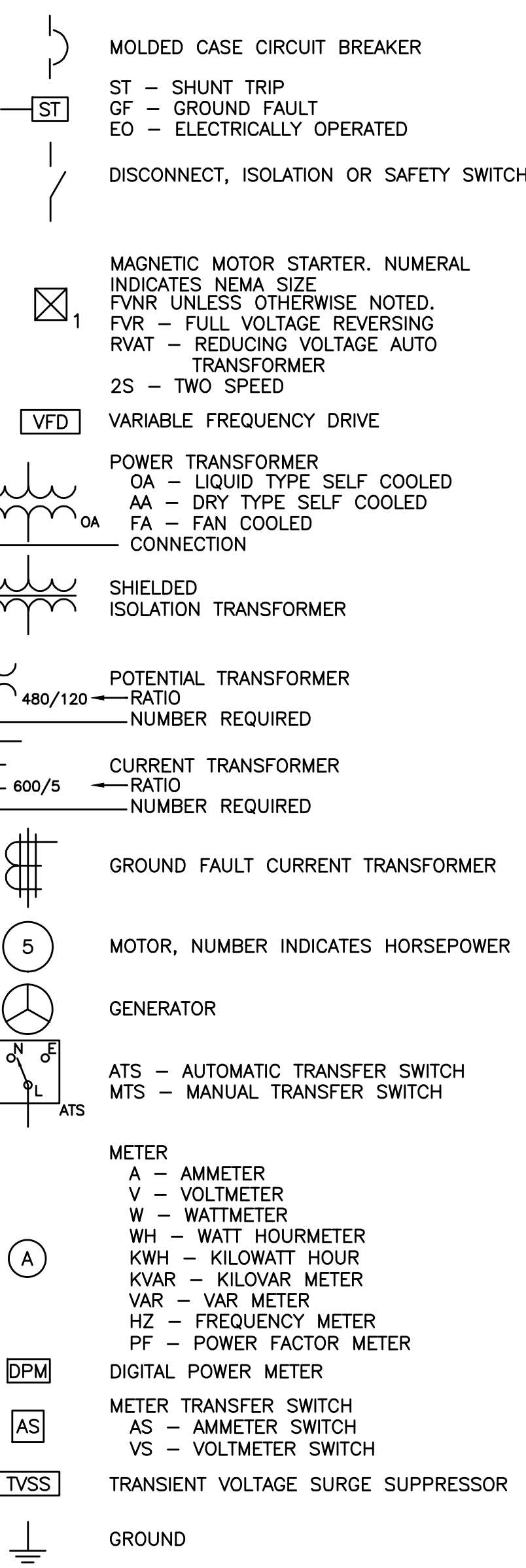
FIRE ALARM



SECURITY SYSTEMS



ONE LINE DIAGRAM



ABBREVIATIONS

A,AMP	AMPERE	LA	LIGHTNING ARRESTER
AFF	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
CU	COPPER	NO	NORMALLY OPEN
DACT	DIGITAL ALARM COMMUNICATOR	NTS	NOT TO SCALE
DB	DISCONNECT	PF	POWER FACTOR
DN	DOWN	PH	PHASE
EMT	ELECTRICAL METALLIC TUBING	PVC	POLYVINYL CHLORIDE
EWC	ELECTRIC WATER COOLER	RGS	RIGID STEEL CONDUIT
FAA	FIRE ALARM ANNUNCIATOR	RSC	RIGID STEEL CONDUIT
FACP	FIRE ALARM CONTROL PANEL	RTD	RESISTANCE TEMPERATURE DETECTOR
FBO	FURNISHED BY OTHERS	SN	SOLID NEUTRAL
FU	FUSE	STP	SHIELDED TWISTED PAIR
FWE	FURNISHED WITH EQUIPMENT	STT	SHIELDED TWISTED TRIPLT
GEN	GENERATOR	SWBD	SWITCHBOARD
GFCI	GROUND FAULT CIRCUIT BREAKER	SWGR	SWITCHGEAR
GND	GROUND	TOS	TOP OF STEEL
HP	HORSEPOWER	TP	TAMPER PROOF
HTR	HEATER	TRANSF	TRANSFORMER
IG	ISOLATED GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
IMC	INTERMEDIATE METAL CONDUIT	UNO	UNLESS NOTED OTHERWISE
K	KILO	V	VOLT
KCMIL	THOUSAND CIRCULAR MILS	VA	VOLT-AMPERE
KV	KILOVOLT	VAR	VOLT-AMPERE REACTIVE
KVA	KILOVOLT-AMPERE	WM	WATT METER
KVAR	KILOVOLT-AMPERE REACTIVE	WP	WEATHER PROOF
KW	KILOWATT	XFMR	TRANSFORMER
KWH	KILOWATT-HOUR	XP	EXPLOSION PROOF

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, RATED 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 277/120 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. COORDINATE COLOR WITH ARCHITECT.
- CONVENIENCE RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE GROUNDING TYPE NEMA 5-20R, SIDE WIRED. LEVITON, PASS AND SEYMOUR OR APPROVED EQUAL. EMERGENCY POWER DEVICES TO BE RED AND NORMAL DEVICES GREY. CLEARLY LABEL ALL DEVICES WITH PANELBOARD AND BRANCH CIRCUIT IDENTIFICATION.
- PROVIDE WALL PLATES FOR ALL WIRING DEVICES, STAINLESS STEEL IN FINISHED AREAS AND GALVANIZED IN UNFINISHED AREAS.
- ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION. SERVICE ENTRANCE CONDUCTORS SHALL HAVE XHHW INSULATION.
- UNLESS OTHERWISE NOTED THREE PHASE EQUIPMENT WIRING SHALL BE 3#12 AWG CONDUCTORS AND #12 GND. HOME RUNS IN EXCESS OF 100 FEET SHALL BE #10 AWG.

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.

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PROJECT TITLE:
**MAINE TURNPIKE AUTHORITY
ADMINISTRATION BUILDING**
PORTLAND, MAINE

CURRENT ISSUE STATUS:
ISSUED FOR BIDDING/CONSTRUCTION
7-9-07

REV	DATE	DESCRIPTION
0	7-9-07	BIDDING/CONSTRUCTION

GRAPHIC SCALE: 0" = 1"

SCALE: AS NOTED

PROJECT MANAGER: SLB

JC/DRAWN BY: TCM/CDS

A/E OF RECORD: JPP

CAD FILE: E001-06016

PROJECT NO: 06016

DATE: 7-9-07

SHEET TITLE:
**LEGEND AND
GENERAL NOTES**

SHEET No. **E001**