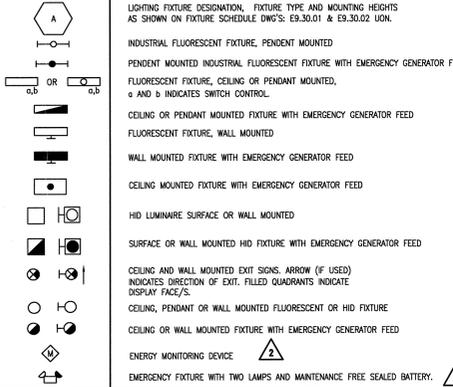
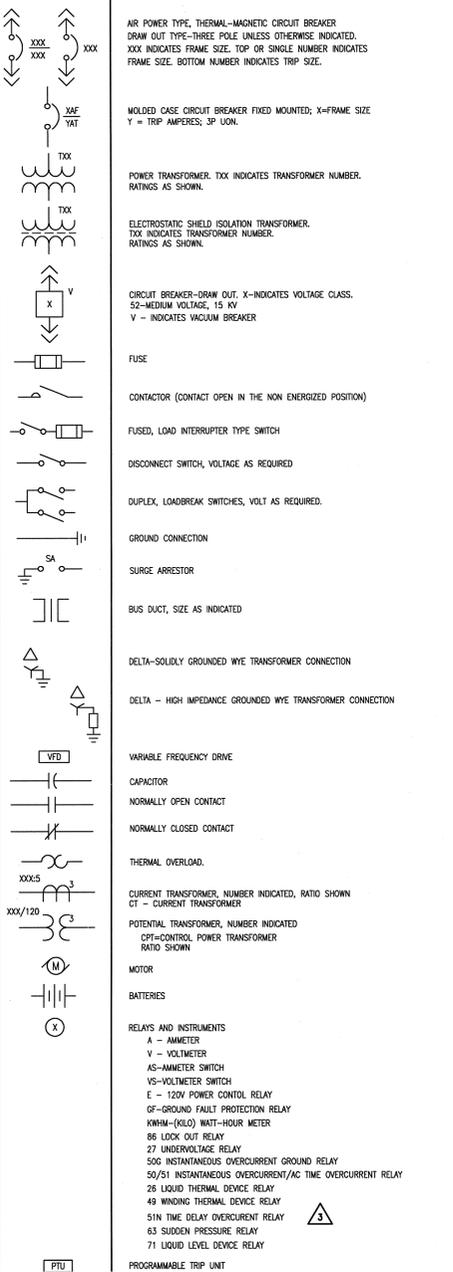


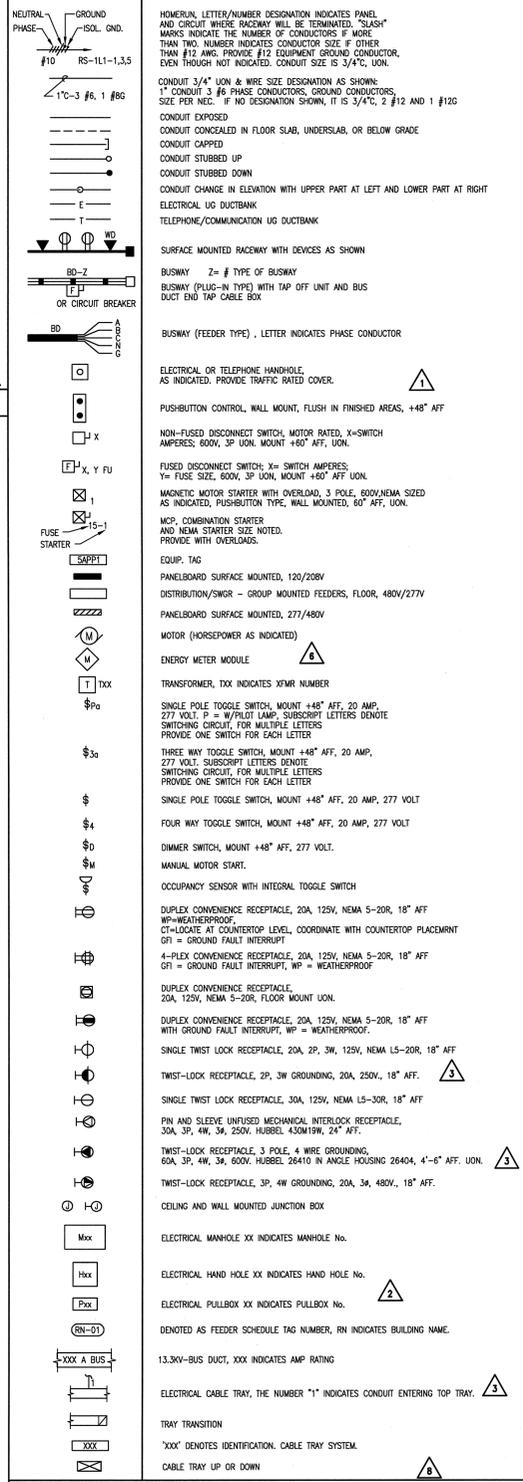
LIGHTING



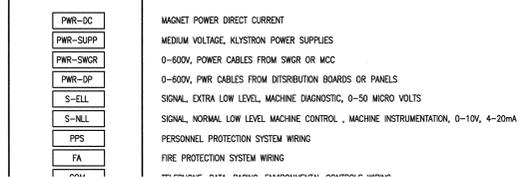
DIAGRAMS



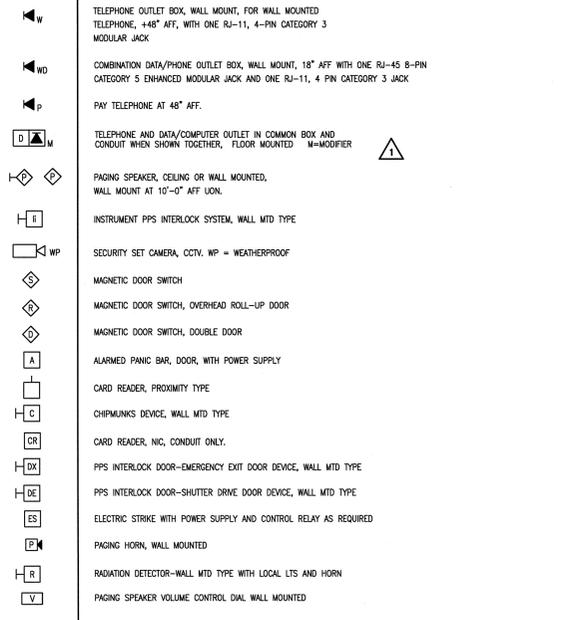
PLAN DRAWINGS



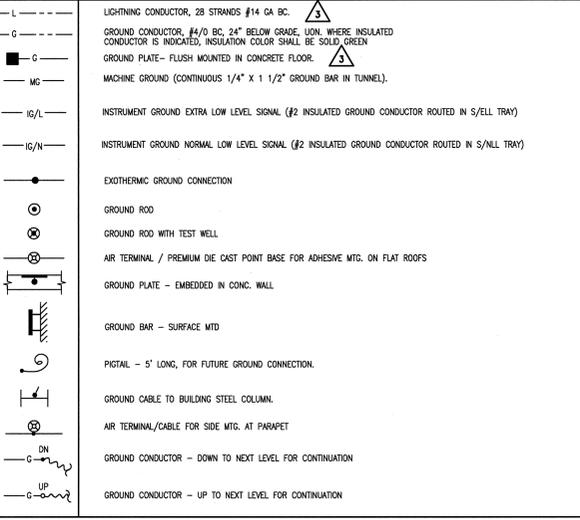
TRAY DESIGNATIONS



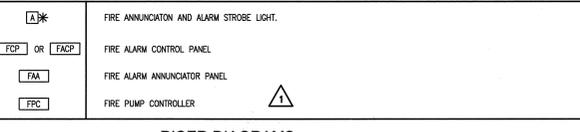
COMMUNICATION, LIFE SAFETY & SECURITY



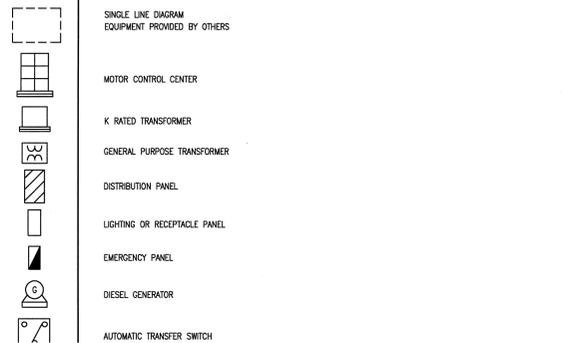
GROUNDING



FIRE ALARM



RISER DIAGRAMS



ABBREVIATIONS

A	AMPS	APPROXIMATELY
APPX	APPROXIMATELY	
AF	ABOVE FINISHED FLOOR	
AFD	ABOVE FINISHED GRADE	
AF	AMP FRAME	
AT	AMP TRIP	
AWG	AMERICAN WIRE GAUGE	
ATS	AUTOMATIC TRANSFER SWITCH	
BC	BARE COPPER	
BLDG	BUILDING	
BDD	BOTTOM OF DUCT	
C	CONDUIT	
CB	CIRCUIT BREAKER	
CKT	CIRCUIT	
CLG	CEILING	
CI	CONTRACTOR INSTALLED	
CM	CONSTRUCTION MANAGER	
CMFE	CONSTRUCTION MANAGER FURNISHED EQUIPMENT	
CMFE/CI	CONSTRUCTION MANAGER FURNISHED EQUIPMENT, CONTRACTOR INSTALLED.	
CMU	CUSTOMER METERING UNIT	
CO	CONDUIT ONLY	
CONT	CONTROL	
OPT	CONTROLS POTENTIAL TRANSFORMER	
CT	CURRENT TRANSFORMER	
CU	COPPER (CABLE)	
COMM, COM	COMMUNICATIONS	
CPB	COMMUNICATIONS PULL BOX	
CTR	CENTER	
DET	DETAIL	
DIST	DISTRIBUTION	
DP	DISTRIBUTION PANEL	
DN	DOWN	
DS	DISCONNECT SWITCH	
DWG	DRAWING	
(E)	EXISTING	
EA	EACH	
ECB	ENCLOSED CIRCUIT BREAKER	
EHM	ELECTRICAL MANHOLE	
EMT	ELECTRICAL METALLIC TUBING	
EP	EXPLOSION PROOF	
EXT	EXTERIOR	
FACP	FIRE ALARM CONTROL PANEL	
FU	FUSE	
FL	FLUORESCENT	
FA	FIRE	
FLA	FULL LOAD AMPERES	
FO	FIBER OPTIC (CABLE)	
FVNR	FULL VOLTAGE NON REVERSING (STARTER)	
GEN	GENERATOR	
GFE	GOVERNMENT FURNISH EQUIPMENT, GOVERNMENT INSTALLED.	
GFE/CI	GOVERNMENT FURNISH EQUIPMENT, CONTRACTOR INSTALLED.	
GFI	GROUND FAULT INTERRUPTER	
ONDG	GROUND	
HD	HIGH-INTENSITY DISCHARGE	
H-O-A	HAND-OFF-AUTO CONTROLLER	
HH	HANDHOLE	
HT	HIGH INTENSITY TUNGSTEN LAMP	
HP	HORSEPOWER	
HPS	HIGH-PRESSURE SODIUM	
HZ	HERTZ	
INST	INSTRUMENTATION	
JB	JUNCTION BOX	
IDF	INTERMEDIATE DISTRIBUTION FRAME	
IMC	INTERMEDIATE METALLIC CONDUIT	
KVA	KILOVOLT AMPERS	
Kcmil	THOUSAND CIRCULAR MILS (CONDUCTOR SIZE)	
LCT	LIGHTING CONTACTOR	
LVL	LEVEL	
LTO	LIGHTING	
M	METER	
MCC	MOTOR CONTROL CENTER	
MCP	MOTOR CIRCUIT PROTECTOR	
MDF	MAIN DISTRIBUTION FRAME	
MH	MANHOLE	
MEZZ	MEZZANINE	
MINM	MINIMUM	
MLO	MAIN LINES ONLY	
MS	MOTOR STARTER	
MTD	MOUNTED	
N	NEUTRAL	
NC	NOT IN CONTRACT	
NF	NON-FUSED	
N/P	NAME PLATE	
N/S	NOT TO SCALE	
OC	ON CENTER	
OD	OUTDOOR	
OH	OVERHEAD	
OS & Y	OPEN STEM & YOKE VALVE	
a, P, PH	PHASE	
P	POLE	
PAL	PANEL	
PA	PUBLIC ADDRESS (PAGING SYSTEM)	
PV	POST INDICATING VALVE	
PLC	PROGRAMMABLE LOGIC CONTROLLER	
PSC	PHONE SYSTEM CABINET	
PT	POTENTIAL TRANSFORMER	
PPS	PERSONNEL PROTECTION SYSTEM	
PVC	POLYVINYLCHLORIDE CONDUIT	
PW	FULL WIRE	
PWR	POWER	
RECP	RECEPTACLE	
RSC	RIGID STEEL CONDUIT	
RSB	RIGID STEEL GALVANIZED CONDUIT	
SBC	STRANDED BARE COPPER	
SECP	SECURITY CONTROL PANEL	
SHT	SHEET	
SUB	SUBSTATION	
SIM	SIMILAR	
SWBD	SWITCHBOARD	
SW	SWITCH	
S/ALL	SIGNAL LOW LEVEL (CABLE)	
SP	SPARE	
SQ	SQUARE	
SWGR/SO	SWITCHGEAR	
TB	TERMINAL BOARD	
TEL	TELEPHONE	
EHM	TELEPHONE MANHOLE	
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR	
TYP	TYPICAL	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UPS	UNINTERRUPTIBLE POWER SUPPLY	
UTP	UNSHIELDED TWISTED PAIR	
V	VOLTS	