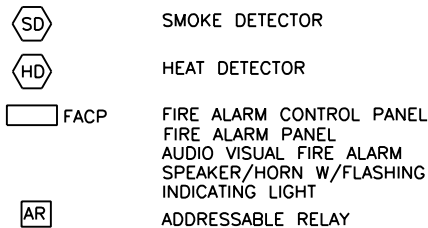


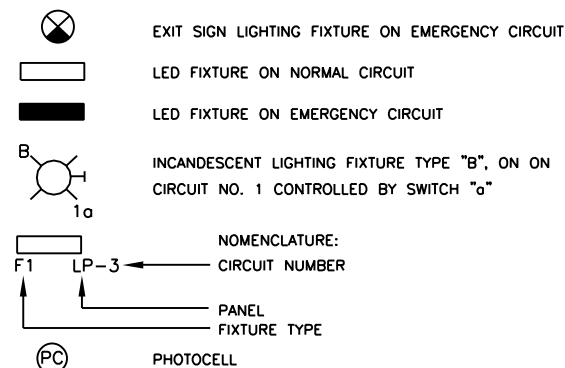
GENERAL NOTES

- ALL ELECTRICAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND ALL OTHER DRAWINGS RELATED TO THE PERFORMANCE OF THE WORK.
- THE CONTRACTOR RESPONSIBLE FOR THE EXECUTION OF THIS WORK IS TO BECOME THOROUGHLY FAMILIAR WITH THE PROJECT SPECIFICATIONS BEFORE COMMENCING ANY WORK. THE PROJECT SPECIFICATIONS AND DRAWINGS FORM THE BASIS OF THE CONTRACT REQUIREMENTS AND INCLUDE THE TYPE AND GRADE OF MATERIALS TO BE INSTALLED, EQUIPMENT TO BE FURNISHED, THE MANNER BY WHICH TO BE INSTALLED AND WHERE TO BE LOCATED. IN THE EVENT OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND DRAWINGS, SPECIFICATIONS GOVERN UNLESS THE AUTHORITY DIRECTS OTHERWISE.
- THE CONTRACTOR IS TO CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO ENSURE THAT NO FIXTURE, OUTLET, ALARM STATION OR CONTROL AND POWER WIRING IS OMITTED. THE CONTRACTOR IS TO CONSULT ALL TRADES FURNISHING EQUIPMENT AND OBTAIN FROM THEM ALL DATA. IN SOME CASES EQUIPMENT, FIXTURES AND DEVICES ARE SHOWN FOR REFERENCE ONLY. ASCERTAIN AND PROVIDE THE WIRING AND CONTROL STATIONS REQUIRED FOR THE PROPER FUNCTION OF THE STATION EQUIPMENT.
- EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT IS TO BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATIONS ARE TO BE CAREFULLY CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.
- ELECTRICAL DRAWINGS ARE DIAGRAMATIC IN NATURE. NO DIMENSIONS ARE TO BE SCALED OFF ELECTRICAL DRAWINGS. CONTRACTOR IS TO CONSULT ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF LIGHTING FIXTURES, MISCELLANEOUS DEVICES AND OUTLETS.
- COORDINATE WITH OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.
- ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE PROJECT TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.
- CONDUIT RUNS SHOWN ON THE DRAWINGS ARE DIAGRAMATIC. ALL CONDUITS ARE TO RUN CONCEALED, EXCEPT IN EQUIPMENT ROOMS AND WHERE APPROVED BY THE COMMISSIONER.
- FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CHICAGO ELECTRICAL CODE REQUIREMENTS.
- NORMAL AND EMERGENCY SYSTEMS ARE TO BE INSTALLED IN SEPARATE RACEWAYS, AND ARE NOT TO BE IN SHARED RACEWAYS.
- CONTRACTOR IS TO COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL DEVICES WITH THE ARCHITECTURAL PLANS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL DETAILS, ELEVATIONS.
- ALL BRANCH CIRCUITS ARE TO BE GROUPED INTO PHASE BALANCED MULTIPLE CIRCUIT HOMERUNS. NOT MORE THAN 6 CIRCUITS ARE ALLOWED IN ONE HOMERUN CONDUIT. ANY CONDUITS ARE NOT TO CONTAIN MORE THAN ONE 3-PHASE, 4-WIRE FEEDER. A GROUND WIRE IS TO BE INSTALLED IN EACH CIRCUIT AND FEEDER.
- ALL EXISTING LIGHT FIXTURES, EQUIPMENT AND DEVICES (BOTH ELECTRICAL AND COMMUNICATION) THAT ARE REMOVED SHALL BE SALVAGED AND RETURNED TO CTA. PROVIDE ALL BRANCH CIRCUITING FROM EACH WIRING DEVICE, FIXTURE, MOTOR, UTILIZATION EQUIPMENT, OR APPLIANCE TO CIRCUIT AND PANEL/SOURCE INDICATED ON PLANS. UNLESS NOTED OTHERWISE, 15 AND 20 AMP 120 VOLT BRANCH CIRCUITS MUST UTILIZE MINIMUM #12 AWG FOR CIRCUITS UP TO 75' IN LENGTH, #10 AWG FOR CIRCUITS 76' TO 100' IN LENGTH, AND #8 AWG FOR CIRCUITS OVER 100' IN LENGTH. THE LENGTH OF THE CIRCUIT MUST BE MEASURED FROM THE LAST DEVICE OR OUTLET ON THE CIRCUIT TO THE PANEL/SOURCE. A GROUND WIRE SHALL BE INSTALLED IN EVERY CONDUIT CONTAINING BRANCH CIRCUITS. A GROUND WIRE SHALL BE EXTENDED TO EACH DEVICE. A 2% VOLTAGE DROP SHALL BE MAINTAINED FOR LIGHTING CIRCUITS AND A 3% VOLTAGE DROP FOR ALL OTHERS. VOLTAGE DROPS SHALL BE TAKEN FROM SERVICE PANEL TO FARTHEST DEVICE.

FIRE ALARM SYMBOLS



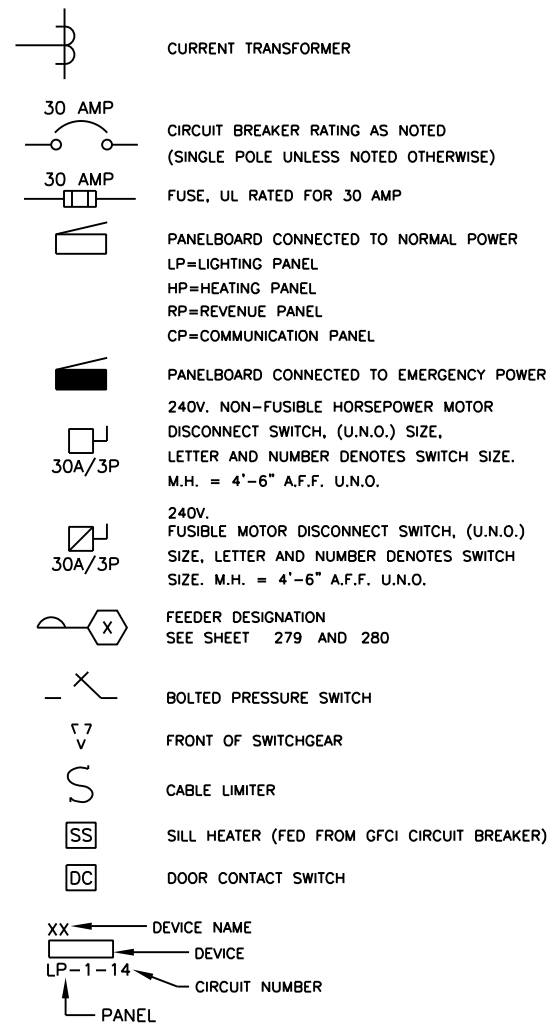
LIGHTING SYMBOLS



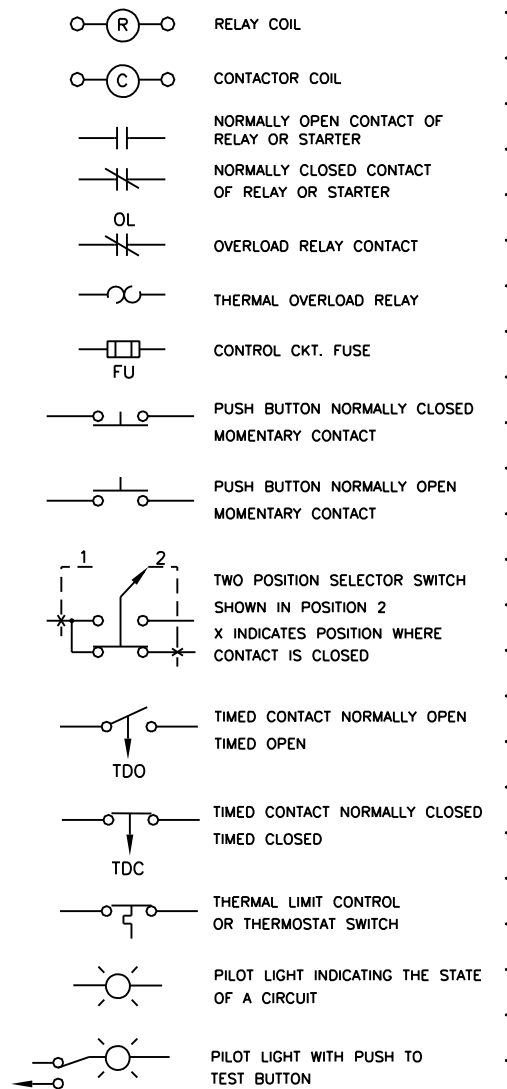
ABBREVIATIONS

A. AMP	AMPERE	H.D.G.	HOT DIPPED GALVANIZED
A/C	AIR CONDITIONER	HP	HORSEPOWER, HEATING PANELBOARD
A.C.	ALTERNATING CURRENT	HT	HEIGHT
A.F.F.	ABOVE FINISHED FLOOR	HTR.	HEATER
A.F.G.	ABOVE FINISHED GRADE	I.C.	INTERCOM
A.W.G.	AMERICAN WIRE GAUGE	I.T.C.	INTERFACE TERMINAL CABINET
ADD.	ADDENDUM	J.B.	JUNCTION BOX
ARCH	ARCHITECTURAL	KVA	KILOVOLT AMPERES
ATS	AUTOMATIC TRANSFER SWITCH	KW	KILOWATT
AUTO	AUTOMATIC	LAM.	LAMINATED
AVM	AUTOMATIC VENDING MACHINE	LP	LIGHTING PANELBOARD
BE	ELECTRONIC BALLAST (RELIABLE POWER)	LTG.	LIGHTING
BKR.	BREAKER	M	METER
BN	ELECTRONIC BALLAST (NORMAL POWER)	M/A	MOTOR ALTERNATOR SET
BPS	BOLTED PRESSURE SWITCH	M.H.	MOUNTING HEIGHT
BU	ELECTRONIC BALLAST (EMERGENCY)	MECH.	MECHANICAL
C	CONDUIT	MISC.	MISCELLANEOUS
CA	CUSTOMER ASSISTANCE CALL STATION	METER FOR TENANT	
CCTV	CLOSE CIRCUIT TELEVISION	MTG.	MOUNTING
CKT.	CIRCUIT	MTR.	MOTOR
CM	COIN CHARGER MACHINE	N	NEUTRAL WIRE
COL	COLUMN	N.C.	NORMALLY CLOSED
COMED	COMMONWEALTH EDISON CO.	N.I.C.	NOT IN CONTRACT
CONFIG	CONFIGURATION	N.O.	NORMALLY OPEN
CONN	CONNECTION	N.T.S.	NOT TO SCALE
CT	CURRENT TRANSFORMER	NB	NORTH BOUND
CTA	CHICAGO TRANSIT AUTHORITY	NMDP	NORMAL MAIN DISTRIBUTION PANEL
CUH	ELECTRIC CABINET UNIT HEATER	NO.	NUMBER
D.C.	DIRECT CURRENT	P	POLE
DCC	DC CONTROLLER	P.B.	PULL BOX
DET.	DETAIL	PA	PUBLIC ADDRESS SYSTEM
DIA.	DIAMETER	PDP	POWER DISTRIBUTION PANEL
DN	DOWN	PLTF.	PLATFORM
DS	DISCONNECT SWITCH	PNL.	PANEL
DTS	MANUAL DBL. THROW SWITCH	PWR	POWER
DWG.	DRAWING	RCP	ALARM RELAY CONTROL PANEL
E.O.	ELECTRICALLY OPERATED	RECPT.	RECEPTACLE
EA.	EACH	REV.	REVISION
EC	END CABINET	RG	ROTO GATE
EH	ELECTRIC HOT WATER HEATER	RGS	RIGID GALVANIZED STEEL
ELEC.	ELECTRIC	RLP	RELIABLE LIGHT PANEL
ELEV.	ELEVATION	RM.	ROOM
EM	EMERGENCY	RMDDP	RELIABLE MAIN DISTRIBUTION PANEL
EQUIP.	EQUIPMENT	SB	SOUTH BOUND
ER	EXISTING TO BE REMOVED	SF	SUPPLY FAN
REL.	RELIABLE TRANSPORTATION SYSTEM	SHT.	SHEET
EW.C.	ELECTRIC WATER COOLER	STL.	STEEL
EXIST.	EXISTING	T, TEL	TELEPHONE
EXP.	EXPOSED	TB-E	TERMINAL STRIP
F	FUSE	R-	DENOTES RELIABLE POWER
FACP	FIRE ALARM CONTROL PANEL	N-	DENOTES NORMAL POWER
FL	FLOOR	U-	DENOTES EMERGENCY POWER
FLEX.	FLEXIBLE	TELEPHONE TERMINAL CABINET	
FLUOR.	FLUORESCENT	TTC	TELEPHONE TERMINAL CABINET
FOE	FIBER OPTICS EQUIPMENT	U.N.O.	UNLESS NOTED OTHERWISE
FRE	FIBER REINFORCED EQUIPMENT	UH	UNIT HEATER
FT	FEET, FOOT	UL	UNDERWRITERS LABORATORIES
G.F.I.	GROUND FAULT INTERRUPTER	UPS	UNINTERRUPTIBLE POWER SUPPLY SYSTEM
GA	GAUGE	V.	VOLTS
GALV.	GALVANIZED	V.A.C.	VOLTS ALTERNATING CURRENT
GRD.	GROUND	W.P.	WEATHER PROOF
GRS	GALVANIZED RIGID STEEL	W/	WITH
H	HOT WIRE		

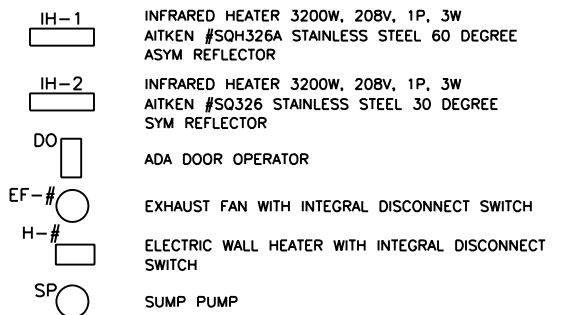
POWER SYMBOLS



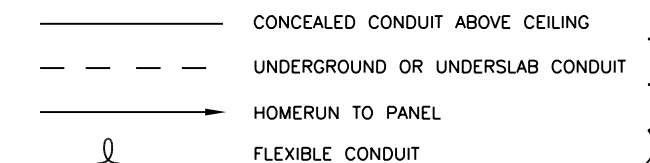
CONTROL SYMBOLS



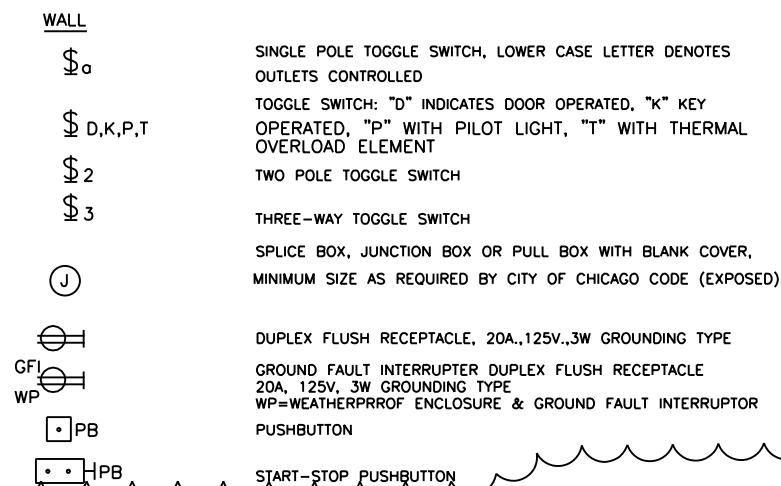
MECHANICAL SYMBOLS



CONDUIT SYMBOLS



WIRING DEVICE SYMBOLS



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USER NAME = hab1b	DESIGNED JCM	REVISED 1/20/2014
	CHECKED OS	REVISED
PLOT SCALE = 2:0 'in / in.	DRAWN HR	REVISED
PLOT DATE = 1/21/2014	CHECKED BC	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PEORIA STREET STATION
ELECTRICAL SYMBOLS, ABBREVIATIONS AND NOTES

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2090	2013-011R	COOK	356	269
CONTRACT NO.				

SHEET NO.E-001 OF 117 SHEETS

ILLINOIS FED. AID PROJECT