

# ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION	DESCRIPTION	SYMBOL
<b>POWER</b>			
	DUPLEX NEMA 5-20R RECEPTACLE	MANUAL STARTER	
	DUPLEX NEMA 5-20R RECEPTACLE MOUNTED HORIZONTALLY	FUSED SWITCH WITH TYPE "S" FUSE (SSY OR SSU)	
	DUPLEX NEMA 5-20R RECEPTACLE--LOWER OUTLET SWITCHED	WALL MOUNTED JUNCTION BOX	
	DOUBLE DUPLEX NEMA 5-20R RECEPTACLE (QUAD)	CEILING MOUNTED JUNCTION BOX	
	CEILING MOUNTED DUPLEX NEMA 5-20R RECEPTACLE	FLOOR MOUNTED JUNCTION BOX	
	SINGLE NEMA 5-20R RECEPTACLE (SIMPLEX)	JUNCTION BOX WITHIN EQUIPMENT OR MILLWORK	
	MONUMENT NEMA 5-20R DUPLEX RECEPTACLE	MOTOR ("X" INDICATES HORSE POWER)	
	ISOLATED GROUND NEMA 5-20R DUPLEX RECEPTACLE	DISCONNECT: NON-FUSED UNLESS NOTED OTHERWISE	
	SINGLE NEMA 5-15R CLOCK HANGER RECEPTACLE	MAGNETIC MOTOR STARTER	
	FLOOR POWER RECEPTACLE (SEE SPECS OR NOTES)	COMBINATION MAGNETIC STARTER/DISCONNECT	
	COMBINATION FLOOR POWER/DATA BOX (SEE SPECS OR NOTES)	RELAY (POWER, LIGHTING, OR SYSTEMS)	
	RANGE RECEPTACLE (NEMA 14-50R)	CONTACTOR (POWER, LIGHTING, OR SYSTEMS)	
	DRYER RECEPTACLE (NEMA 14-30R)	SMALL CONTROL TRANSFORMER	
	20A, 250V POWER RECEPTACLE (NEMA 6-20R)	LARGE CONTROL OR BUCK-BOOST TRANSFORMER	
	SPECIAL RECEPTACLE (NEMA CONFIGURATION AS NOTED)	SURFACE MOUNTED ELECTRICAL PANEL--NEW	
	SINGLE PUSH BUTTON STATION	SURFACE MOUNTED ELECTRICAL PANEL--EXISTING	
	MULTIPLE BUTTON STATION OR MOTOR CONTROL STATION	FLUSH MOUNTED ELECTRICAL PANEL--NEW	
	POWER CORD WITH PLUG CAP (SEE NOTES FOR NEMA CONFIG)	FLUSH MOUNTED ELECTRICAL PANEL--EXISTING	
	MULTI-OUTLET ASSEMBLY OR PLUG MOLD	PLAN VIEW OF UTILITY OR DRY TYPE POWER TRANSFORMER	
C, WP, GFI, EXP	WHEN ATTACHED TO SYMBOLS, "C" DENOTES CEILING MOUNTED, "WP" DENOTES WEATHERPROOF, "GFI" DENOTES GROUND FAULT INTERRUPTER, AND "EXP" DENOTES EXPLOSION PROOF	DISTRIBUTION PANELS, SWITCHBOARDS, SWITCHGEAR, AND MOTOR CONTROL CENTERS	
<b>LIGHTING</b>			
	SINGLE POLE SWITCH	RECESSED OR CEILING MOUNTED LIGHT FIXTURE	
	THREE WAY SWITCH	DIRECTIONAL OR WALL WASH LIGHT FIXTURE	
	FOUR WAY SWITCH	WALL MOUNTED LIGHT FIXTURE	
	SPECIAL SWITCH (SEE NOTES)	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE	
	DOUBLE POLE SWITCH	WALL MOUNT FLUORESCENT LIGHT FIXTURE	
	DIMMER SWITCH--NUMBER INDICATES HUNDREDS OF WATTS	SURFACE OR RECESSED LIGHT FIXTURE	
	TIMER SWITCH	CEILING MOUNTED EXIT LIGHT WITH DIRECTION ARROWS	
	SWITCH WITH PILOT LIGHT OR ILLUMINATED SWITCH	WALL MOUNTED EXIT LIGHT WITH DIRECTION ARROW	
	WALL MOUNT OCCUPANCY SENSOR	TRACK LIGHT WITH HEADS	
	CEILING MOUNT OCCUPANCY SENSOR	LIGHT POLE WITH ONE OR MORE LUMINAIRES	
	PHOTOCELL--120V, 1200W RATED UNLESS OTHERWISE NOTED	BOLLARD LIGHT FIXTURE	
	TIME CLOCK	BATTERY BACKUP UNIT EQUIPMENT FIXTURE	
C, WP, K, EXP	WHEN ATTACHED TO SYMBOLS, "C" DENOTES CEILING MOUNTED, "WP" DENOTES WEATHERPROOF, "K" DENOTES A KEYED DEVICE, AND "EXP" DENOTES EXPLOSION PROOF	EMERGENCY ILLUMINATION FIXTURES. HALF HATCHED FIXTURES MUST HAVE DUAL BALLASTS AND HAVE 1 OR 2 LAMPS ON EMERGENCY AND THE OTHER LAMP(S) ON NORMAL POWER	
<b>FIRE ALARM</b>			
	CEILING MOUNT SMOKE DETECTOR	FIRE ALARM HORN/STROBE--"X" DENOTES CANDELA OF STROBE	
	WALL MOUNT SMOKE DETECTOR	FIRE ALARM HORN ONLY	
	DUCT MOUNT SMOKE DETECTOR	FIRE ALARM STROBE--"X" DENOTES CANDELA OF STROBE	
	OPTICAL BEAM SMOKE DETECTOR (TRANSMITTER AND RECEIVER)	MINI HORN/STROBE--"X" DENOTES CANDELA OF STROBE	
	CARBON MONOXIDE DETECTOR	FIRE ALARM ELECTRIC BELL OR WATER GONG	
	CEILING MOUNT HEAT DETECTOR	FIRE ALARM CONTROL PANEL	
	WALL MOUNT HEAT DETECTOR	FIRE ALARM ANNUNCIATOR PANEL	
	FIRE ALARM MANUAL PULL STATION	FIRE ALARM CEILING MOUNT SPEAKER	
	FIRE ALARM MAGNETIC DOOR HOLD OPEN	FIRE ALARM WALL MOUNT SPEAKER	
	FIRE ALARM SPRINKLER TAMPER SWITCH	FIRE ALARM WALL SPEAKER WITH "X" CANDELA STROBE	
	FIRE ALARM SPRINKLER FLOW SWITCH		
<b>SYSTEMS AND DIAGRAM</b>			
	PHONE, DATA, OR COMBINATION OUTLET	FUSE	
	FLUSH FLOOR MOUNTED PHONE, DATA, OR COMBINATION OUTLET	FUSED SWITCH	
	INTERCOM OUTLET	CIRCUIT BREAKER	
	SECURITY DOOR CONTACT	DRAW OUT LOW VOLTAGE POWER CIRCUIT BREAKER	
	BUZZER	GROUND	
	CHIME	VOLTAGE (POTENTIAL) TRANSFORMER	
	BELL	CURRENT TRANSFORMER	
	WALL MOUNT TELEVISION OUTLET	UTILITY METER SOCKET	
	CEILING MOUNT TELEVISION OUTLET	CLOCK	
	VOLUME CONTROL	COMBINATION CLOCK/SPEAKER	
	MICROPHONE OUTLET	BED-SIDE NURSE CALL STATION	
	CEILING SPEAKER	EMERGENCY NURSE CALL STATION	
	WALL MOUNT SPEAKER	NURSE CALL CODE BLUE STATION	
	THERMOSTAT	NURSE CALL STAFF STATION	
	CABLE TRAY	NURSE CALL DUTY STATION	
	LOW VOLTAGE CABLING "J" HOOKS	NURSE CALL DOME LIGHT WITH SINGLE RED LENS	
	LOW VOLTAGE CABLING CONDUIT PATHWAY	NURSE CALL DOME LIGHT WITH SINGLE WHITE LENS	
	TELEPHONE CABINET--SURFACE MOUNTED	DOUBLE NURSE CALL DOME LIGHT WITH RED AND WHITE LENS	
	TELEPHONE CABINET--FLUSH MOUNTED	CAMERA	
	TELEPHONE BACK BOARD		
<b>CIRCUITING</b>			
	CONCEALED CIRCUITING--ARROWS INDICATE # OF HOME RUNS	SURFACE OR EXPOSED CIRCUITING	
	CIRCUIT WITH BREAK CONTINUED ELSEWHERE	CIRCUIT DOWN	
	CIRCUITING CONCEALED IN FLOOR OR BELOW GRADE	CIRCUIT UP	
		CAPPED CONDUIT	