

ELECTRICAL SYMBOLS LEGEND

THIS IS A COMPREHENSIVE SYMBOL SCHEDULE. NOT ALL SYMBOLS ARE APPLICABLE TO THESE DRAWINGS					
SYMBOLS	DESCRIPTION	MOUNTING HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE INDICATED	SYMBOLS	DESCRIPTION	MOUNTING HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE INDICATED
	CEILING SURFACE MOUNTED LIGHT FIXTURE, CAPITAL LETTER INDICATES FIXTURE TYPE, SMALL LETTER INDICATES SWITCHING.			ENCLOSED MOLDED CASE CIRCUIT BREAKER 30A/2P UON (WALL RECESSED)	
	RECESSED CEILING MOUNTED LIGHT FIXTURE			VARIABLE FREQUENCY CONTROLLER	
	CONNECTED TO EMERGENCY POWER			THERMAL SWITCH (MOTOR OVERLOAD TYPE)	48 INCHES
	WALL MOUNTED INCAND. OR H.I.D. LIGHT FIXTURE.			THERMOSTAT - PROVIDE BY DIVISION 26	48 INCHES
	CEILING-MOUNTED JUNCTION BOX (C) INDICATES EMERGENCY CRITICAL BRANCH POWER, L INDICATES EMERGENCY LIFE SAFETY POWER, E INDICATES EMERGENCY EQUIPMENT POWER)			THERMOSTAT - FURNISHED BY DIVISION 23, INSTALLED BY DIVISION 26	48 INCHES
	WALL JUNCTION BOX	18 INCHES		HASH MARKS INDICATE ITEM NOTED TO BE REMOVED	
	CEILING EXIT SIGN, SHADED SIDE INDICATES LIGHTED FACE, ARROWS INSTALLED AS SHOWN	6 INCHES ABOVE DOOR FRAME TO BOTTOM		SPEAKER	
	WALL EXIT SIGN			WALL MOUNTED SPEAKER	90 INCHES TO BOTTOM
	SUSPENDED FIXTURE			CLOCK	94 INCHES TO BOTTOM
	SURFACE FLUORESCENT			MICROPHONE OUTLET	18 INCHES
	RECESSED FLUORESCENT			VOLUME CONTROL	48 INCHES
	FIXTURE CONNECTED TO EMERGENCY POWER			SECURITY DEVICES: REQUEST TO EXIT	3 INCHES ABOVE DOOR FRAME
	DASHED LINES INDICATE EXISTING FIXTURES, DEVICES, OR EQUIPMENT			DOOR POSITION SWITCH, RECESSED	
	EMERGENCY BATTERY LIGHT	7 FOOT 8 INCHES		DOOR POSITION SWITCH, SURFACE MOUNT	
	EMERGENCY REMOTE LAMP	7 FOOT 6 INCHES		DOOR POSITION SWITCH	
	SWITCH: SINGLE POLE (HORSEPOWER RATED WHEN USED AS MOTOR DISCONNECT)	48 INCHES		CARD READER	
	DOUBLE POLE	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH	
	3-WAY	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, 90° COVERAGE	
	4-WAY	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, 180° COVERAGE	
	KEY OPERATED	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, 300° COVERAGE	
	WITH PILOT LIGHT (CAN BE USED WITH OTHER SWITCH TYPES)	48 INCHES		CEILING MOUNTED MOTION SENSOR SWITCH, HALLWAY COVERAGE	
	FLUORESCENT DIMMER	48 INCHES		WALL MOUNTED MOTION SENSOR, 90° COVERAGE	
	MOMENTARY CONTACT	48 INCHES		WALL MOUNTED MOTION SENSOR, 180° COVERAGE	48 INCHES
	DIMMER (600 WATT UNLESS OTHERWISE NOTED)	48 INCHES		MOTION SENSOR SWITCH POWER PACK	
	LIGHTING INTENSITY SELECTOR	48 INCHES		AUXILIARY INPUT OUTLET	18 INCHES
	LOW VOLTAGE SWITCH	48 INCHES		COMPUTER OUTLET (NUMBER INDICATES QUANTITY OF CABLES AND JACKS, NO NUMBER INDICATES ONE)	18 INCHES
	DUPLEX RECEPTACLE (C INDICATES EMERGENCY CRITICAL BRANCH POWER)	18 INCHES		COMBINATION COMPUTER/TELEPHONE OUTLET IN SINGLE GANG OPENING (NUMBER INDICATES QUANTITY OF CABLES AND JACKS, NO NUMBER INDICATES ONE)	18 INCHES
	DOUBLE DUPLEX RECEPTACLE (C INDICATES EMERGENCY CRITICAL BRANCH POWER)	18 INCHES		TELEPHONE OUTLET (W INDICATES WALL MOUNTED AT 48 INCHES)	18 INCHES
	SPECIAL PURPOSE RECEPTACLE LETTER INDICATES TYPE, SEE SPECIFICATION	18 INCHES		DATA PATCH PANEL	
	MULTI-OUTLET ASSEMBLY - M.O.A., PROVIDE DEVICES AS SHOWN ON PLANS	18 INCHES		COMPUTER/TELEPHONE OUTLET, PROVIDE ROUGH-IN AND CONDUIT ONLY	18 INCHES
	DUPLEX RECEPTACLE, HALF SWITCHED	18 INCHES		TELEVISION OUTLET	18 INCHES
	FLOOR OUTLET, ADDITIONAL SYMBOL INDICATES TYPE			INTERCOM OUTLET	18 INCHES
	TIME SWITCH			INTERCOM MASTER	
	PHOTO CELL			INTERCOM STAFF STATION	
	TRANSFORMER			BUZZER	
	FIRE ALARM: MANUAL STATION	48 INCHES		PUSH BUTTON	
	RATE OF RISE DETECTOR			POWER DOOR HANDICAP PUSH PAD	42 INCHES
	FIXED TEMPERATURE DETECTOR			BELL	
	DUCT PHOTOELECTRIC DETECTOR			CONTACTOR (NUMBER INDICATES NUMBER OF POLES)	
	PHOTOELECTRIC DETECTOR (S INDICATES SLEEPING ROOM WITH AUX, CONTACT C INDICATES WITH GUARD, E INDICATES FOR ELEVATOR RECALL)			WEATHERPROOF	
	COMBINATION HEAT/SMOKE WITH STROBE SOUNDER BASE DETECTOR			ABOVE COUNTER	
	COMBINATION FIRE/SMOKE DAMPER OR SMOKE DAMPER BY DIVISION 23			ELECTRIC WATER COOLER	
	HORN (S INDICATES WITH STROBE LIGHT)	BOTTOM OF LENS 90 INCHES		NURSE CALL: CORRIDOR CALL OR ZONE LIGHT	
	SPEAKER HORN (S INDICATES WITH STROBE LIGHT)	BOTTOM OF LENS 90 INCHES		MASTER STATION	
	CHIME (S INDICATES WITH STROBE LIGHT)	BOTTOM OF LENS 90 INCHES		PATIENT EMERGENCY STATION	48 INCHES
	FIRE ALARM MODULE/RELAY	BOTTOM OF LENS 90 INCHES		SINGLE BED PATIENT STATION	
	FAN RELAY			STAFF STATION	48 INCHES
	STROBE LIGHT	BOTTOM OF LENS 90 INCHES		DUTY STATION	48 INCHES
	MAGNETIC DOOR HOLD OPEN			DOUBLE BED PATIENT STATION	
	INTEGRAL MAGNETIC DOOR CLOSER (PROVIDED BY DIVISION 08)			EMERGENCY (CODE BLUE)	
	TAMPER SWITCH (NUMBER INDICATES NUMBER OF DEVICES AT THIS LOCATION)			NURSE LOCATOR	
	FIRE PUMP			STAFF ASSIST	48 INCHES
	FLOW SWITCH			STAFF REGISTER	
	FIRE ALARM CONTROL PANEL			EMERGENCY PUSH BUTTON	48 INCHES
	FIRE ALARM ANNUNCIATOR			UNIT INTERFACE	
	LIGHTING AND APPLIANCE PANELBOARD			TELEMETRY ANTENNA	
	SWITCHBOARD OR MOTOR CONTROL CENTER AS NOTED			CONDUIT CONCEALED IN WALL OR CEILING, QUANTITY OF CONDUCTORS NOT SHOWN, PROVIDE AS REQUIRED FOR DEVICE/CIRCUIT NUMBERS SHOWN.	
	CONTROL CABINET BY DIVISION 23			CONDUIT UP	
	SPECIAL EQUIPMENT CABINET AS NOTED			CONDUIT DOWN	
	POWER POLE			CONDUIT CONCEALED IN FLOOR	
	MOTOR (NUMBER REFERS TO MOTOR AND EQUIPMENT SCHEDULE, SEE SCHEDULE FOR WIRING AND CONTROL REQUIREMENTS)			HOME RUN TO PANELBOARD, QUANTITY OF CONDUCTORS REQUIRED NOT INDICATED, PROVIDE QUANTITY AS REQUIRED FOR CIRCUIT NUMBERS SHOWN, SWITCHING ARRANGEMENT, OR NUMBER OF HOME RUNS SHOWN, #10 INDICATES WIRE SIZE, NO NUMBERS INDICATES #12, 3/4 INCH CONDUIT MINIMUM.	
	DISCONNECT (F INDICATES FUSED WHEN SHOWN)			SURFACE CONDUIT OR SURFACE RACEWAY	
	MAGNETIC STARTER			WIRE BASKET TYPE CABLE TRAY	
	COMBINATION STARTER-DISCONNECT			COMMUNICATIONS CABLE SUPPORT HANGER	
	UL 924 RELAY			LIGHTING CIRCUIT DESIGNATION AND PLAN NOTE REFERENCE NUMBER	
	NOTE IDENTIFICATION			LIGHTING CIRCUIT DESIGNATION	

NOTES:  
1. FOR DEVICES SHOWN AS 48 INCHES MOUNTING HEIGHT, WHEN INSTALLED IN MASONRY BLOCK WALLS, MOUNTING AT 48 INCHES TO THE TOP OF THE OUTLET BOX IS ACCEPTABLE.

Luminaire Schedule

Type	Manufacturers	Catalog Information	Lamp Data		Ballast Data		Input Watts	Voltage	Mounting	Fixture Description	Remarks
			No.	Type	No.	Type					
A	LITHONIA OR EQUAL	SP SERIES	2	F28T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	48	MVOLT	RECESSED LAY-IN	2'x4' STATIC LAY-IN FLUORESCENT TROFFER, ROLLED EDGE OR POST PAINTED HOUSING, REGRESSED WHITE ALUM. DOOR, SPRING LOAD LATCHES, .125 INCH ACRYLIC PRISMATIC LENS.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.
B	LITHONIA OR EQUAL	2PM3N SERIES	3	F28T8	2	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	88	MVOLT	LAY-IN RECESSED	2' x 4' FLUORESCENT PARABOLIC LUMINAIRE, 18 CELL, LOW IRIDESCENT ANODIZED DIFFUSE SILVER, 3 INCH LOUVERS.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.
C	ALKCO OR APPROVED SUBSTITUTION	BN3000 SERIES	2	F17T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	29	MVOLT	WALL SURFACE	2 FOOT OVER MIRROR FLUORESCENT BULLET NOSE WALL BRACKET, WHITE FINISH, DOWN LIGHT ONLY, PRISMATIC LENS, MOUNT 5 INCHES ABOVE MIRROR.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.
D	HUBBELL OR APPROVED SUBSTITUTION	VAPORITITE NV SERIES	1	CF42TRT	-	-	150	120	ELEV. PIT WALL SURFACE	INCANDESCENT, WALL-BRACKET MOUNT, ENCLOSED, UL WET LOCATION FIXTURE WITH CLEAR HEAT RESISTANT 30% GLASS THERMOPLASTIC POLYESTER LENS AND GUARD, GASKETED HOUSING, 3/4 INCH HUB, CORROSION RESISTANT EPOXY POWDER FINISH.	ELEVATOR PIT: CONNECT TO 120VAC GFCI RECEPTACLE CIRCUIT ON LINE SIDE OF GFCI DEVICE.
D1	HUBBELL OR APPROVED SUBSTITUTION	VAPORITITE NV SERIES	1	CF42TRT	-	-	150	120	ELEV. CAB BOTTOM SURFACE	INCANDESCENT, CEILING-MOUNT (ELEVATOR CAB BOTTOM), ENCLOSED, UL WET LOCATION FIXTURE WITH CLEAR HEAT RESISTANT 30% GLASS THERMOPLASTIC POLYESTER LENS AND GUARD, GASKETED HOUSING, 3/4 INCH HUB, CORROSION RESISTANT EPOXY POWDER FINISH.	ELEVATOR CAB: MOUNT FIXTURE ON BOTTOM OF ELEVATOR CAB, CONNECT FIXTURE TO 120VAC GFCI RECEPTACLE (ALSO MOUNTED ON ELEVATOR CAB BOTTOM) ON LINE-SIDE OF GFCI DEVICE. PROVIDE AND MOUNT LIGHT SWITCH (ON BOTTOM OF ELEVATOR CAB) AND CONNECT THE SWITCH TO THE ELEVATOR CAB LIGHTS/RECEPTACLES EMERGENCY LIFE SAFETY CIRCUIT.
E	SURE-LITES OR EQUAL	CX SERIES	MULTI	LED	-	-	1.3	MVOLT	AS SHOWN ON DRAWINGS	SINGLE FACE L.E.D. EXIT LUMINAIRE, DIE CAST ALUMINUM HOUSING, WHITE BODY AND CANOPY, STENCIL FACE, RED LETTERS, UNIVERSAL MOUNT.	
G	LITHONIA OR EQUAL	S SERIES	1	F28T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	25	MVOLT	WALL SURFACE	4' STRIP FLUORESCENT WITH WIREGUARD, ALL ELEVATOR SHAFT LANDINGS: PROVIDE TWO FIXTURES ON EACH SIDE OF THE LANDING MOUNTED VERTICALLY WITH 12 INCH SPACING BETWEEN THE FIXTURES, CONFIRM EXACT PLACEMENT WITH VA COTR.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.
H	LITHONIA OR EQUAL	AF10 SERIES	2	F28T8	1	HIGH EFFICIENCY ELECTRONIC (INSTANT START)	48	MVOLT	CHAIN HUNG FROM STRUCTURE	4' FLUORESCENT INDUSTRIAL LUMINAIRE, HIGH GLOSS BAKED ENAMEL FINISH, APERTURED REFLECTORS FOR 10% UPLIGHT, WITH WIRE GUARD AND CHAIN HANGERS (CHAIN LENGTH TO STRUCTURE ABOVE).	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST. CHAIN MOUNTED WHERE NOTED ON DRAWINGS.
J	OMEGA OR EQUAL	OM6 SERIES	1	CF32TRT	1	ELECTRONIC	36	120	RECESSED	ROUND OPEN COMPACT FLUORESCENT DOWNLIGHT, HORIZONTAL LAMPING, CLEAR SEMI-SPECULAR REFLECTOR.	PROVIDE INTEGRAL BALLAST DISCONNECT (FACTORY INSTALLED) FOR EACH BALLAST.

MOTION SENSOR SCHEDULE

SYMBOL	TYPE	CATALOG #	DESCRIPTION	VOLTAGE
	DUAL TECHNOLOGY	DW-100	WALL MOUNT	120V
	DUAL TECHNOLOGY	DT-355	CEILING MOUNT	120V

NOTE: BASED ON WATTSTOPPER CATALOG NUMBERS.

LUMINAIRE SCHEDULE GENERAL NOTES:

- LUMINAIRE TYPE DEFINED WITH A MANUFACTURER'S SERIES FOLLOWED BY "OR EQUAL." DO NOT REQUIRE PRIOR APPROVAL FOR SUBSTITUTED PRODUCTS TO BID, HOWEVER, THIS DOES NOT ALLEVIATE THE SUBSTITUTED PRODUCT FROM MEETING OR EXCEEDING THE QUALITIES & STANDARDS SET FORTH OF THE LISTED MANUFACTURER & SERIES.
  - LUMINAIRE TYPES DEFINED WITH A MANUFACTURER'S SERIES FOLLOWED BY "OR APPROVED SUBSTITUTION" DOES REQUIRE PRIOR APPROVAL FOR SUBSTITUTED PRODUCTS TO BID, HOWEVER, THIS DOES NOT ALLEVIATE THE SUBSTITUTED PRODUCT FROM MEETING OR EXCEEDING THE QUALITIES & STANDARDS SET FORTH OF THE LISTED MANUFACTURER & SERIES.
  - COLOR TEMPERATURE OF ALL LAMPS ON THIS PROJECT IS 4100K UNLESS OTHERWISE SPECIFIED.
- GENERAL ELECTRICAL NOTES (APPLY TO ALL DRAWINGS):
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS & SHALL COORDINATE EQUIPMENT INSTALLATION WITH VA COTR.
  - CONTRACTOR SHALL REPLACE ANY ACOUSTICAL CEILING TILES, PORTIONS OF THE SUSPENSION SYSTEM OR EXPOSED GRID SYSTEM DAMAGED BY HIS WORK OR REMOVAL OF EXISTING EQUIPMENT.
  - CONTRACTOR SHALL MAINTAIN A CLEAN WORKING ENVIRONMENT. EQUIPMENT, PARTS & TOOLS SHOULD BE SECURED & MONITORED WHEN WORK IS TO BE DONE IN PATIENT AREAS.
  - ALL CONDUIT PENETRATING THE FLOOR SLAB OR SMOKE BARRIER SHALL BE SEALED TIGHT WITH AN APPROVED FIRE STOP SEALANT RESTORING THE FLOOR SLAB OR SMOKE BARRIER TO ITS ORIGINAL RESISTANCE, REFERENCE SPECIFICATION SECTION 078400.
  - ALL ELECTRICAL CONDUIT SHALL BE CONCEALED IN WALLS OR CEILINGS IN FINISHED AREAS UNLESS ALLOWED OTHERWISE ON THE PLANS.
  - DO NOT STORE MATERIALS IN OCCUPIED AREAS OF THE BUILDING.
  - VA MEDICAL STAFF WILL BE CONDUCTING THEIR NORMAL DUTIES IN ALL AREAS OF THE BUILDING DURING CONSTRUCTION. CARE SHALL BE TAKEN TO MINIMIZE DISRUPTION OF HOSPITAL FUNCTIONS AT ALL TIMES. CONTRACTOR SHALL CONFINE WORK TO IMMEDIATE AREA CONCERNED & SHALL MAINTAIN CLEANLINESS & PATHWAY TO EXITS AT ALL TIMES.
  - ALL FIRE ALARM, NURSE CALL & ELECTRICAL SYSTEM SHUTDOWNS TO BE SCHEDULED 48 HOURS IN ADVANCE WITH THE VA & MAY BE REQUIRED TO BE ACCOMPLISHED OUTSIDE NORMAL WORKING HOURS.
  - DUST BARRIERS SHALL BE PROVIDED DURING CUTTING & PATCHING OPERATIONS. NOISE SHALL BE KEPT TO A MINIMUM & DRILLING & OTHER NOISE PRODUCING OPERATIONS MAY HAVE TO BE ACCOMPLISHED AFTER NORMAL WORKING HOURS. COORDINATE TIMES & LOCATIONS FOR NOISY OPERATIONS WITH THE COTR.
  - FOR THE DEMOLITION PLANS, NOT ALL ELECTRICAL ITEMS REQUIRING DEMOLITION MAY BE SHOWN. VISIT SITE BEFORE BIDDING & BECOME FAMILIAR WITH WORK REQUIRED.
  - CONTRACTORS ARE TO COORDINATE ALL WORK WITH THE CONTRACTING OFFICERS TECHNICAL REPRESENTATIVE (COTR). CLEAN ALL DEBRIS FROM THE CONSTRUCTION SITE TO THE SATISFACTION OF THE COTR.
  - REFERENCE ARCHITECTURAL DRAWINGS FOR WORK PHASING DIAGRAM AND FIRE AND/OR SMOKE DAMPER LOCATIONS.