Lighting Symbols

- FLUORESCENT INDUSTRIAL OR STRIP
- FLUORESCENT INDUSTRIAL OR STRIP ON NORMAL/EMERGENCY CIRCUIT.
- FLUORESCENT PENDANT LIGHTING FIXTURE. 4' UNIT
- FLUORESCENT PENDANT LIGHTING FIXTURE. 4' UNIT ON NORMAL/EMERGENCY CIRCUIT.
- RECESSED FLUORESCENT LIGHTING FIXTURE 2'x2' OR 2'x4' UNIT
- RECESSED FLUORESCENT LIGHTING FIXTURE 2'X2' OR 2'X4' UNIT. CENTER OF 3 LAMP FIXTURE OR 2 LAMPS ON A 4 LAMP FIXTURE ON NE CIRCUIT.
- WALL MOUNTED LIGHTING FIXTURE
- RECESSED DOWNLIGHT LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE ON NORMAL AND NORMAL/EMERGENCY CIRCUIT
- RECESSED DOWNLIGHT ON NORMAL AND NORMAL/EMERGENCY CIRCUIT
- WALL MOUNTED LIGHTING FIXTURE ON NORMAL/EMERGENCY CIRCUIT
- SINGLE FACE EXIT SIGN FIXTURE – WALL MOUNT DIRECTIONAL ARROWS AS INDICATED.
- DOUBLE FACE EXIT SIGN FIXTURE – WALL MOUNT DIRECTIONAL ARROWS AS INDICATED.
- OS — OCCUPANCY SENSOR
- SURFACE MOUNTED 12V BATTERY PACK UNIT – 2 HEADS (LIGHTOLIER# E4–2–10N–2–RT9–W)
- 12V REMOTE EMERGENCY HEAD (LIGHTOLIER# E4 SERIES 9W)
- PC — PHOTO CELL
- SBD — EMERGENCY LIGHTING RELAY CONTROL DEVICE (SWITCH BYPASS DEVICE)

Single Line Symbols

- BATTERY
- O.C.B. — HIGH VOLTAGE OIL CIRCUIT BREAKER
- HIGH VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
- SWITCH AND FUSE UNIT
- MOLDED CASE CIRCUIT BREAKER
- LOW VOLTAGE DRAWOUT AIR CIRCUIT BREAKER
- FUSED DRAWOUT POTENTIAL TRANSFORMER
- A — AMMETER
- V — VOLTMETER
- W — WATTMETER
- WH — WATT–HOUR METER
- 50 — INSTANTANEOUS OVERCURRENT OR RATE–OF–RISE RELAY
- 51 — AC–TIME OVERCURRENT RELAY
- 67 — AC–DIRECTIONAL OVERCURRENT RELAY
- 86 — LOCKING OUT RELAY
- LIGHTNING ARRESTOR
- GROUND CONNECTION
- POTHEAD
- STRESS CONE
- PB — PUSH–BUTTON STATION
- CURRENT TRANSFORMER

General Symbols

CLG.	WALL	
J	J	JUNCTION BOX, MTD 1'–6" (450 MM) A.F.F. UNLESS NOTED OTHERWISE
3		MOTOR NUMBER DENOTES HORSEPOWER
G		GENERATOR
PB		PULL BOX
		NEW PANEL
		EXISTING PANEL
		CONTROLLER, MAGNETIC
		COMBINATION CONTROLLER AND DISCONNECT SWITCH
		FUSED OR UNFUSED DISCONNECT SWITCH.
CP		CONTROL PANEL
U		UNIT HEATER BLOWER MOTOR
		VENTILATOR OR FAN COIL UNIT OUTLET
		CONDUIT TERMINATED 6" (150 MM) A.F.F. IN STANDARD BOX FOR EXTENSION TO EQUIPMENT AS DIRECTED
		CONDUIT TERMINATED W/COUPLING (FLUSH W/FINISHED FLOOR) FOR EXTENSION TO EQUIPMENT AS DIRECTED
		FLEXIBLE CONDUIT – 1/2" (15 MM), W/3 #12 WIRES
		BRANCH CIRCUIT EXPOSED
		BRANCH CIRCUIT CONCEALED IN FLOOR.
		BRANCH CIRCUIT CONCEALED IN CEILING OR WALL.

No. OF CKTS. IN CONDUIT — PHASE CONDUCTORS — NEUTRAL — GROUND

HOME RUN TO PANEL – ARROWHEADS INDICATE CIRCUITS. WIRE INDICATED ARE GREEN GROUND, NEUTRAL AND THREE HOT LEGS (A DIFFERENT PHASE FOR EACH CIRCUIT) MAXIMUM THREE CIRCUITS PER CONDUIT. MINIMUM #12 AWG GROUND CONDUCTOR.

- RISER UP.
- RISER DOWN.
- S — SINGLE POLE SWITCH WITH SUFFIX A.B.C. ETC. INDICATES CONTROL OF FIXTURE(S) WITH SAME DESIGNATION(S).
- S_2 — DOUBLE POLE SWITCH
- S_3 — THREE–WAY SWITCH.
- S_4 — FOUR–WAY SWITCH.
- S_D — DIMMER SWITCH – WITH SILICON CONTROLLED RECTIFIER.
- S_T — TIME SWITCH.
- S_R — ROCKER TYPE SWITCH.
- S_{EXP} — EXPLOSION PROOF SWITCH
- S_K — KEY OPERATED SWITCH.
- S_L — LOCK TYPE SWITCH.
- S_{LV} — LOW VOTAGE SWITCH.
- S_{LVD} — LOW VOTAGE SWITCH WITH FLUORESCENT DIMMER.
- S_M — MANUAL MOTOR STARTING SWITCH
- S_{MC} — MOMENTARY CONTACT SWITCH.
- S_{MP} — MOTOR SNAP SWITCH (THERMAL TYPE) WITH PILOT LIGHT.
- S_{OS} — WALL SWITCH DUAL TECHNOLOGY.
- S_{PB} — PUSH BUTTON STATION.
- S_P — SWITCH WITH PILOT LIGHT.
- S_{RC} — REMOTE CONTROL SWITCH.
- S_{WP} — WEATHERPROOF SWITCH.

Mounting Heights Schedule

6'–8" AFF OR 6" BELOW FINISHED CEILING, WHICHEVER IS LOWER (TO CENTERLINE OF STROBE)	FIRE ALARM HORNS/STROBES
REFERENCE LUMINAIRE SCHEDULE FOR MOUNTING REQUIREMENTS	PENDANT MOUNTED LUMINAIRES
6'–6"	TOP OF PANELBOARDS, CABINETS
6'–0"	TOP OF DISCONNECT SWITCHES, STARTERS, AND CONTACTORS
4'–0" (TOP OF DEVICES)	LIGHT SWITCHES, FIRE ALARM PULL STATIONS, MANUAL MOTOR STARTERS, FIREMAN'S TELEPHONES, NURSE CALL PULL CORD, PUSH BUTTON, DUTY STATIONS AND PANIC BUTTONS
3'–6" (TOP OF DEVICES)	WALL MOUNTED HANDICAPPED TELEPHONE OUTLETS
2'–0"	ELECTRICAL RECEPTACLES IN MECHANICAL/ELECTRICAL ROOMS & ELEVATOR MACHINE ROOMS
1'–6"	ELECTRICAL RECEPTACLES (U.N.O.) COMMUNICATIONS/DATA OUTLETS (U.N.O.)
0'–0"	FINISHED FLOOR

NOTE:

1. CTR – MOUNTED 6" ABOVE COUNTER OR BACKSPLASH.

FOR CONSTRUCTION
FULLY SPRINKLERED

Revisions:	Date

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Approved: Project Director

Project Title: **VA CARES CONSOLIDATION VAMC, PITTSBURGH, PA RESEARCH OFFICE BLDG.**

Location: **VAPHS UNIVERSITY DRIVE**

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