ELECTRICAL SYMBOLS

(NOTE: SYMBOLS WITHIN THIS SCHEDULE ARE REPRESENTATIVE OF THOSE TYPICALLY FOUND ON THE DRAWINGS. ALL SYMBOLS MAY NOT APPEAR ON THIS SET OF DRAWINGS.)

POWER

- SIMPLEX RECEPTACLE MOUNTED 18" AFF TO CENTER OF DEVICE. NEMA 5-20R UNLESS OTHERWISE INDICATED.
- DUPLEX RECEPTACLE, MOUNTED 18" AFF TO CENTER OF DEVICE. NEMA 5-20R UNLESS OTHERWISE INDICATED. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.
- TWO DUPLEX RECEPTACLES IN 2-GANG BOX, MOUNTED 18" AFF TO CENTER OF DEVICE. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.
- DUPLEX RECEPTACLE, MOUNTED 42" AFF TO CENTER OF OUTLET OR 2" FROM BOTTOM OF OUTLET TO TOP OF BACKSPLASH OR COUNTERTOP. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.
- TWO DUPLEX RECEPTACLES IN 2-GANG BOX, MOUNTED 42" AFF TO CENTER OF OUTLET OR 2" FROM BOTTOM OF OUTLET TO TOP OF BACKSPLASH OR COUNTERTOP. SLASH INDICATES CONNECTED TO THE EMERGENCY POWER SYSTEM.
- DUPLEX RECEPTACLE OUTLET. CEILING MOUNTED.
- DUPLEX RECEPTACLE OUTLET. FLUSH FLOOR MOUNTED.
- SPECIAL RECEPTACLE OUTLET. NEMA CONFIGURATION AS INDICATED.
- SPECIAL RECEPTACLE OUTLET. FLUSH FLOOR MOUNTED. NEMA CONFIGURATION AS INDICATED.

MODIFIERS FOR RECEPTACLES:
- EWC = ELECTRIC WATER COOLER POWER CONNECTION, PROVIDE GROUND FAULT CIRCUIT INTERRUPTER DEVICE. INSTALL DEVICE SO IT IS CONCEALED BEHIND ENCLOSURE, COORDINATE WITH PLUMBING.
- G = GROUND FAULT CIRCUIT INTERRUPTER.
- P = PEDESTAL
- TR = TAMPER RESISTANT
- TV = TELEVISION, SEE DETAIL.
- WP = WEATHERPROOF "IN-USE" COVER, PROVIDE GROUND FAULT CIRCUIT INTERRUPTER DEVICE.

- LH2A-1 — BRANCH OR FEEDER CIRCUIT HOMERUN TO PANEL BOARD, SWITCHBOARD, MOTOR CONTROL CENTER, ETC. DESIGNATION DENOTES PANEL BOARD, SWITCHBOARD, MOTOR CONTROL CENTER, ETC., AND OVERCURRENT PROTECTION DEVICE NUMBER.
- 4/350 — ON RISERS, DESIGNATION DENOTES QUANTITY OF CURRENT CARRYING CONDUCTORS AND FEEDER AMPACITY. SEE FEEDER SCHEDULE.
- WIRING SYSTEM BELOW FLOOR OR BELOW GRADE.
- WIRING SYSTEM CONCEALED IN OR ABOVE CEILING OR IN WALL.
- WIRING SYSTEM EXPOSED.
- WIRING SYSTEM TURNED DOWN.
- WIRING SYSTEM TURNED UP.
- PANELBOARD SURFACE MOUNTED.
- JUNCTION OR PULL BOX. W = WEATHERPROOF.
- JUNCTION BOX AND CONNECTION TO EQUIPMENT OR TERMINAL STRIPS.
- CONNECTION TO EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- 30 — NON-FUSIBLE SAFETY SWITCH. NUMERAL INDICATES AMPERE RATING.
- 15 — FUSED SAFETY SWITCH. NUMERAL INDICATES FUSE RATING.
- NEC REQUIRED GROUND.
- LIGHTNING PROTECTION SYSTEM GROUND ROD.
- LIGHTNING PROTECTION SYSTEM AIR TERMINAL.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR TO CENTERLINE OF DEVICE.
EC	EMPTY CONDUIT.
NL	NIGHT LIGHTING, 24 HOUR, OPERATION. WIRE AHEAD OF ALL LOCAL SWITCHES.
OC	ON CENTER.
TTB	TELEPHONE TERMINAL BOARD.
+60"	DIMENSION INDICATES HEIGHT, AFF, AT WHICH DEVICE IS TO BE MOUNTED.
TR	DEVICE SHALL BE LISTED TAMPER RESISTANT, AND SHALL BE INSTALLED WITH TAMPER RESISTANT SCREWS/FASTENERS.

LIGHTING

- LUMINAIRE, CEILING MOUNTED, CONNECTED TO THE NORMAL POWER SYSTEM (UNLESS OTHERWISE NOTED). SEE SCHEDULE FOR TYPE (*). SEE ARCHITECTURAL RCP FOR EXACT LOCATION AND CEILING TYPE. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. HALF-SHADED INDICATES CONNECTED TO THE EMERGENCY OR LIFE SAFETY BRANCH; VIA EMERGENCY GENERATOR SET OR BATTERY BALLAST, SEE PLANS.
- FLUORESCENT STRIP LUMINAIRE. CEILING MOUNTED OR SUSPENDED 8'-0" AFF TO BOTTOM OF LUMINAIRE, CONNECTED TO NORMAL POWER. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. HALF-SHADED INDICATES CONNECTED TO THE EMERGENCY OR LIFE SAFETY BRANCH; VIA EMERGENCY GENERATOR SET OR BATTERY BALLAST, SEE PLANS.
- CEILING OR WALL MOUNTED EXIT SIGN. PROVIDE NUMBER OF FACES AND CHEVRONS AS INDICATED ON DRAWINGS. SEE SCHEDULE FOR TYPE (*).
- INCANDESCENT, COMPACT FLUORESCENT, OR HID LIGHTING FIXTURE, CEILING OR WALL MOUNTED, CONNECTED TO NORMAL POWER. SEE SCHEDULE FOR TYPE (*). SEE ARCHITECTUAL RCP FOR EXACT LOCATION AND CEILING TYPE. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. HALF-SHADED INDICATES CONNECTED TO LIFE SAFETY BRANCH.
- FLUORESCENT LIGHTING FIXTURE, WALL MOUNTED OR UNDER CABINET, CONNECTED TO NORMAL POWER. SLASH INDICATES CONNECTED TO THE CRITICAL BRANCH. SEE SCHEDULE FOR TYPE (*).

SWITCHES

S	SINGLE POLE SWITCH, MOUNTED 42" AFF TO CENTER OF DEVICE.
SS	TWO SINGLE POLE SWITCHES IN A 2-GANG BOX, MOUNTED 42" AFF TO CENTER OF DEVICE. PROVIDE DIVIDER FOR DIFFERENT VOLTAGES OR BRANCHES.
SSS	THREE SINGLE POLE SWITCHES IN A 3-GANG BOX, MOUNTED 42" AFF TO CENTER OF DEVICE. PROVIDE DIVIDER(S) FOR DIFFERENT VOLTAGES OR BRANCHES.
S_S	TWO SINGLE POLE SWITCHES IN A 2-GANG BOX, MOUNTED 42" AFF TO CENTER OF DEVICE, TO COMPLY WITH ENERGY CODE. EITHER SWITCH INBOARD AND OUTBOARD LAMPS SEPARATELY OR STEP-DIM BOTH LAMPS TO 50%.

MODIFIERS FOR SWITCHES:
- 3 = THREE WAY
- 4 = FOUR WAY
- D = DIMMER
- DT = DOUBLE THROW
- LV = LOW VOLTAGE
- OS = OCCUPANCY SENSOR
- T = TIMER

- PE — PHOTO ELECTRIC CELL MOUNTED ON CONDUIT STUBBED 6" ABOVE ROOF, FACING NORTH.
- TC — TIME CLOCK. PROVIDE POWER CIRCUIT AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE.

COMMUNICATIONS

- VOICE/DATA OUTLET, WALL MOUNTED 18" AFF TO CENTER OF DEVICE. PROVIDE 3/4"C. FROM OUTLET TO AN ACCESSIBLE SPACE ABOVE THE CORRIDOR LAY-IN CEILING.
- VOICE/DATA OUTLET, WALL MOUNTED 42" AFF, 2" FROM BOTTOM OF OUTLET TO BACKSPLASH. PROVIDE 3/4"C. FROM OUTLET TO AN ACCESSIBLE SPACE ABOVE THE CORRIDOR LAY-IN CEILING.
- TELEPHONE OUTLET, WALL MOUNTED 18" AFF TO CENTER OF DEVICE.
- TELEPHONE OUTLET WALL MOUNTED 42" AFF, 2" FROM BOTTOM OF OUTLET TO BACKSPLASH, OR 6" FROM BOTTOM OF OUTLET TO COUNTERTOP.
- W — TELEPHONE OUTLET, WALL MOUNTED 48" AFF.
- INTERCOM WALL MOUNTED 18" AFF TO CENTER OF DEVICE, WITH DESK MOUNTED STATION.
- INTERCOM OUTLET WALL MOUNTED 42" AFF TO CENTER OF DEVICE, WITH DESK MOUNTED STATION UNLESS NOTED OTHERWISE.
- GB — GROUND BAR - 1/8"x1"x12" COPPER BUS IN NEMA 1 ENCLOSURE. LOCATE ABOVE SUSPENDED CEILING.
- PA — PUBLIC ADDRESS SYSTEM SPEAKER, CEILING MOUNTED.
- V — PUBLIC ADDRESS SYSTEM VOLUME CONTROL SWITCH, WALL MOUNTED 42" AFF.
- PTZ — SECURITY SYSTEM CLOSED CIRCUIT T.V. CAMERA. SUBSCRIPT INDICATES PAN/TILT/ZOOM CONTROL.
- PB — SECURITY SYSTEM PUSHBUTTON STATION. SURFACE MOUNTED 42" AFF.
- CONDUIT SLEEVES. SEE PLANS FOR SIZE AND QUANTITY.
- KPCR — KEY PAD CARD READER
- CABLE TV OUTLET, MOUNTED ADJACENT TO TV RECEPTACLE, UNLESS NOTED OTHERWISE.
- PP — PUSHPAD. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR.
- CR — CARD READER. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR.
- ES — ELECTRIC STRIKE. PROVIDE BOX AND CONDUIT AS REQUIRED. COORDINATE WITH HARDWARE VENDOR.
- PB — PUSH BUTTON DOOR RELEASE WITH SOUNDER COVER.
- ML — MAGNETIC LOCK FOR DOOR.
- BA — BADGE ACCESS.

FIRE ALARM

- FACP — FIRE ALARM CONTROL PANEL. MOUNT AT 6'-6" AFF TO TOP.
- FARA — FIRE ALARM REMOTE ANNUNCIATOR PANEL. BOTTOM 56" AFF TO TOP OF DEVICE.
- FAC — FIRE ALARM CENTRAL PROCESSING UNIT/STATUS COMMAND CENTER.
- F — FIRE ALARM MANUAL PULL STATION, 42" AFF.
- C — FIRE ALARM CHIME & VISUAL ALARM SIGNAL, WALL MOUNTED 80" AFF TO BOTTOM OF DEVICE.
- C — FIRE ALARM CHIME & VISUAL ALARM SIGNAL, CEILING MOUNTED.
- L — FIRE ALARM VISUAL ALARM SIGNAL, WALL MOUNTED 80" AFF TO BOTTOM OF DEVICE.
- L — FIRE ALARM VISUAL ALARM SIGNAL, CEILING MOUNTED.
- H — FIRE ALARM HORN & VISUAL ALARM SIGNAL, WALL MOUNTED 80" AFF TO BOTTOM OF DEVICE.
- S — FIRE ALARM SPEAKER, CEILING MOUNTED. W = WALL MOUNTED (12" BELOW CEILING OR 96" AFF WHERE CEILING HEIGHT EXCEEDS 9'-0"), HORN TYPE.
- SD — FIRE ALARM SMOKE DETECTOR.
- DD — FIRE ALARM DUCT MOUNTED SMOKE DETECTOR.
- RL — FIRE ALARM CEILING MOUNTED REMOTE INDICATING LIGHT. W = WALL MOUNTED 12" BELOW CEILING.
- FS — FIRE ALARM FLOW SWITCH CONNECTION TO SPRINKLER SYSTEM.
- TS — FIRE ALARM TAMPER SWITCH CONNECTION TO SPRINKLER SYSTEM.
- FE — FIRE ALARM ELEVATOR CONNECTION.
- AD — FIRE ALARM CONNECTION TO AUTOMATIC DOOR.
- H — FIRE ALARM MAGNETIC DOOR HOLDER. PROVIDE 120V POWER FROM LIFE-SAFETY BRANCH CIRCUIT PANEL BOARD PROVIDE 20A/1P CIRCUIT BREAKER. WIRE WITH 2#12+1#12G, 3/4"C. PROVIDE TRANSFORMER AS REQUIRED BY DOOR HOLDER.
- S — FIRE ALARM SPEAKER AND VISUAL ALARM SIGNAL, CEILING MOUNTED.
- SD — FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED.
- S — FIRE ALARM SPEAKER AND VISUAL ALARM SIGNAL, WALL MOUNTED.

NURSE CALL

- NA — NURSE CALL ANNUNCIATOR PANEL, WALL RECESSED, MOUNT AT 6'-0" AFF TO TOP.
- NB — NURSE CALL CODE BLUE STATION, 42" AFF TO CENTER OF DEVICE.
- NC — NURSE CALL CENTRAL EQUIPMENT, MOUNT AT 6'-6" AFF TO TOP.
- NCL — NURSE CALL CORRIDOR DOME LIGHT, CEILING MOUNTED.
- ND — NURSE CALL DUTY STATION, 42" AFF TO CENTER OF DEVICE.
- NEB — NURSE CALL EMERGENCY STATION W/ PUSH BUTTON WITH 6' CORD, 42" AFF.
- NEC — NURSE CALL EMERGENCY STATION W/ PULL CORD, 30" AFF.
- NEC — NURSE CALL EMERGENCY STATION W/ PULL CORD, 70" AFF.
- NEP — NURSE CALL EMERGENCY PSYCHIATRIC PUSHBUTTON, 42" AFF.
- NMS — NURSE CALL MASTER STATION, DESK MOUNTED.
- NCS — NURSE CALL PSYCHIATRIC SPEAKER, CEILING MOUNTED.
- NPP — NURSE CALL PSYCHIATRIC PATIENT STATION, 42" AFF TO CENTER OF DEVICE.
- PPB — NURSE CALL PSYCHIATRIC PUSH BUTTON FOR STAFF/PATIENT USE.
- NPS — NURSE CALL PSYCHIATRIC STAFF STATION, 44" AFF TO CENTER OF DEVICE.
- NZL — NURSE CALL CORRIDOR ZONE LIGHT, CEILING MOUNTED.
- NLV — NURSE CALL SYSTEM LOW VOLTAGE CONTROLLER.
- PS1 — NURSE CALL PILLOW SPEAKER.
- SCC — NURSE CALL SINGLE CALL CORD.
- NHE — NURSE CALL SINGLE CALL CORD.

MISCELLANEOUS

- # — FLOOR PLAN KEYED NOTES, SEE FLOOR PLAN.

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REVISIONS	DATE
15% SCHEMATIC DESIGN SUBMISSION	9-1-10
COST ESTIMATOR SUBMISSION	9-28-10
50% OWNER SUBMISSION	10-13-10
50% OWNER UPDATED SUBMISSION - EXPANDED SCOPE	11-17-10
95% COST ESTIMATOR SUBMISSION	12-22-10
95% CONSTRUCTION DOCUMENTS	1-3-11
UPDATED 95% CONTRACT DOCUMENTS	1-16-11
100% CONTRACT DOCUMENTS	3-8-11

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Drawing Title
ELECTRICAL - SYMBOL SCHEDULE, CONNECTION SCHEDULE

Approved : Project Director

Project Title
W.G. (Bill) Hefner Veterans Affairs Medical Center
MENTAL HEALTH INPATIENT (PHASE II) PROJECT

Location
Department of Veterans Affairs
1601 Brenner Ave. Salisbury, NC 28144

Date: 03-8-11 | Checked by: DRD | Drawn: ACA

Project Number: VA246-P-0579

Building Number: -

Drawing number: E--003

Office of Construction and Facilities Management
Department of Veterans Affairs

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