

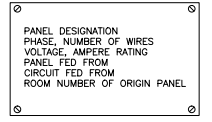
ELECTRICAL LEGEND

- A 2'x4' LIGHTING FIXTURE, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A 1'x4' LIGHTING FIXTURE, CONNECTED TO CRITICAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A 2'x4' LIGHTING FIXTURE, CONNECTED TO LIFE SAFETY BRANCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A WALL LIGHTING FIXTURE, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A 2'x2' LIGHTING FIXTURE, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A 1'x4' LIGHTING FIXTURE, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A WALL LIGHTING FIXTURE, SWITCHED AT HEADWALL SWITCH, CONNECTED TO NORMAL BRANCH SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A UNDER CABINET FIXTURE, CONNECTED TO NORMAL BRANCH. SWITCHED ON AT THE FIXTURE. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A 2'x2' LIGHTING FIXTURE CONNECTED TO LIFE SAFETY CIRCUIT. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A WALL MOUNTED LIGHTING FIXTURE, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING SCHEDULE.
- A 2'x2' LIGHTING FIXTURE CONNECTED TO CRITICAL BRANCH SYSTEM. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A 2'x4' LIGHTING FIXTURE. SMALL LETTER INDICATES CONTROL SWITCH. CONNECTED TO CRITICAL BRANCH SYSTEM. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A CONTINUOUS UNDER COUNTER ROPE LIGHTING, CONNECTED TO NORMAL BRANCH. PROVIDE LENGTH AS REQUIRED TO COVER THE FRONT OF THE DESK. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A RECESSED DOWN LIGHT. SMALL LETTER INDICATES CONTROL CONNECTED TO CRITICAL BRANCH SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A RECESSED DOWN LIGHT, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- A EXIT LIGHT, CEILING OR WALL-MOUNTED. SIMILAR TO DUAL LITE FREEDOM LEDIEMRW. MOUNTED AT 4" ABOVE DOOR FRAME. CONNECTED TO LIFE CIRCUIT IN AREA.
- A WALL MOUNTED LIGHTING FIXTURE, CONNECTED TO NORMAL BRANCH. SMALL LETTER INDICATES CONTROL SWITCH. CAPITAL LETTER INDICATES FIXTURE TYPE AS PER LIGHTING FIXTURE SCHEDULE.
- (SC1-1)-24 RECEPTACLE: DUPLEX, 20 AMPS, 120V, 2POLES, GROUNDING TYPE ILLUMINATING, MOUNTED AT 18" AFF. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: DUPLEX, 20 AMPS, 120V, 2POLES, GROUNDING TYPE ILLUMINATING CONNECTED TO CRITICAL BRANCH SYSTEM "RED COLOR", MOUNTED @ 18" AFF. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: DUPLEX, 20 AMPS, 120V, 2POLES, GROUNDING TYPE ILLUMINATING, MOUNTED AT 48" AFF. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: DUPLEX, 20 AMPS, 120V, 2POLES, GROUNDING TYPE ILLUMINATING, MOUNTED AT 48" AFF. CONNECTED TO THE CRITICAL BRANCH SYSTEM.
- (SC1-1)-24 RECEPTACLE: DUPLEX, 20 AMPS, 120V, 2POLES, GROUNDING TYPE ILLUMINATING, MOUNTED AT 7" AFF. UNO. (USED FOR ROOM TV).
- (SC1-1)-24 RECEPTACLE: DUPLEX, 20 AMPS, 120V, 2POLES, GROUNDING TYPE ILLUMINATING, MOUNTED ABOVE COUNTER TOP AS PER ARCH. DETAIL. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE STRIP, ALUMINUM, 4FT LENGTH, MOUNTED @ 48" AFF. GROUNDING TYPE, PROVIDE ONE (1), 125 V, 2-POLE, GROUNDING TYPE RECEPTACLE EVERY 12". CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE STRIP, ALUMINUM, 4FT LENGTH, MOUNTED @ 48" AFF. GROUNDING TYPE. PROVIDE ONE (1), 125 V, 2-POLE, GROUNDING TYPE RECEPTACLE EVERY 12". CONNECTED TO THE CRITICAL BRANCH SYSTEM.
- (SC1-1)-24 RECEPTACLE: DUPLEX 20AMPS, 120V, 2POLES, GROUNDING TYPE, GROUND FAULT INTERRUPTER ILLUMINATING, MOUNTED AT 18" AFF, UNO. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: DUPLEX 20AMPS, 120V, 2POLES, GROUNDING TYPE, GROUND FAULT INTERRUPTER ILLUMINATING, MOUNTED AT 48" AFF, UNO. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: DUPLEX 20AMPS, 120V, 2POLES, GROUNDING TYPE, GROUND FAULT INTERRUPTER ILLUMINATING, MOUNTED ABOVE COUNTER TOP AS PER ARCH. DETAIL. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: QUADRUPLEX, 20 AMPS, 120V, 2POLES GROUNDING TYPE, MOUNTED ABOVE COUNTER TOP AS PER ARCH. DETAIL. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: QUADRUPLEX, 20 AMPS, 120V, 2POLES GROUNDING TYPE, MOUNTED AT 18" AFF. CONNECTED TO CIRCUIT AND PANELBOARD SHOWN.
- (SC1-1)-24 RECEPTACLE: DUPLEX 20AMPS, 120V, 2POLES, GROUNDING TYPE, GROUND FAULT INTERRUPTER ILLUMINATING, MOUNTED ABOVE COUNTER TOP AS PER ARCH. DETAIL. CONNECTED TO THE CRITICAL BRANCH SYSTEM.
- (SC1-1)-24 RECEPTACLE: DUPLEX 20AMPS, 120V, 2-POLES, GROUNDING TYPE. MOUNTED ABOVE CEILING FOR PATIENT LIFTER. ILLUMINATING TYPE CONNECTED TO THE CRITICAL BRANCH SYSTEM. COORDINATED EXACT LOCATION WITH PATIENT LIFTER VENDORS.
- (SC1-1)-24 NEW LIGHTNING PROTECTION AIR TERMINAL. ALUMINUM, CLASS II. SIZE SHALL BE SAME AS EXISTING UNITS IN THE AREA. PROVIDE HORIZONTAL. ALUMINUM, ADHESIVE BASE WITH THREADED HUB.
- (SC1-1)-24 LIGHTNING PROTECTION CONDUCTOR. CONCENTRIC ALUMINUM CLASS II TYPE WITH 37 STRANDS EACH SIZE 13 AWG. PROVIDE CABLE HOLDERS OF THE ALUMINUM ADHESIVE TYPE EVERY 2 FT.

- DIMMER SWITCH. SMALL LETTER INDICATES OUTLET CONTROL. MOUNTED FLUSH ON WALL @ 42" AFF.
- 4"x4" JUNCTION BOX. CEILING CONCEALED MOUNTED.
- 4"x4" BOX. FLOOR MOUNTED.
- 3-GANG COMPARTMENT BOX IN FLOOR FOR TELEPHONE/DATA AND RECEPTACLE. SEE DRAWING E602 FOR MOUNTING DETAIL NUMBER 4.
- FLEXIBLE SEAL TIGHT METAL CONDUIT - SHALL BE 6FT. MAX.
- 4"x4" WALL OUTLET BOX MOUNTED @ 18" AFF. UNO.
- "HOMERUN" TO PANEL: HASH MARKS INDICATE QUANTITY OF #12 AWG CONDUCTORS, IF MORE THAN TWO. LETTERS AND NUMERALS INSIDE PARENTHESES INDICATE PANELBOARD CONNECTED. LETTERS AND NUMERALS OUTSIDE PARENTHESES INDICATE CIRCUIT NUMBER. INCLUDE GROUND CONDUCTOR IN ALL CONDUITS.
- BRANCH CIRCUIT: CONCEALED (3/4" MIN SIZE).
- CONDUIT TURNING UP.
- CONDUIT TURNING DOWN.
- CONDUIT CONTINUATION.
- PULL BOX. SIZE AS PER NEC REQUIREMENTS.
- EXISTING PANELBOARD, TO REMAIN.
- NEW PANELBOARD, SURFACE MOUNTED @ 5'-6"(TYP) AFF. SEE SCHEDULE FOR DETAILS ON DWG E601.
- NEW STEPDOWN TRANSFORMER. SEE SINGLE LINE DIAGRAM DWG E601 FOR DETAILS.
- EXISTING TRANSFORMER. TO REMAIN.
- CEILING MOUNTED OCCUPANCY SENSOR. LINE VOLTAGE TYPE. COMBINATION IR/ULTRASONIC. INSTALLED AND WIRED PER MANUFACTURER RECOMMENDATIONS.
- TOGGLE SWITCH, 120/277V, 20AMPS, SINGLE-POLE, MOUNTED @ 42" AFF. UNO. LETTER INDICATES FIXTURE CONTROLLED.
- OCCUPANCY SENSOR SWITCH, 120/277V, 20AMPS, SINGLE-POLE, MOUNTED @ 42" AFF. UNO. LETTER INDICATES FIXTURE CONTROLLED.

COMMUNICATION SYMBOLS

- NURSE'S CALL MASTER STATION MTD ON NURSE'S COUNTER TOP UNLESS OTHERWISE NOTED.
- NURSE CALL TERMINAL CABINET.
- NURSE CALL STATION.
B = MOUNTED @ BED HEADWALL SYSTEM.
D = DUTY STATION. MTD 5'-0" AFF UNLESS NOTED OTHERWISE.
E = MTD 6'-0" AFF FOR SHOWER LOCATION, MTD 4'-6" AFF FOR TUB LOCATION, & MTD 3'-0" AFF FOR TOILET LOCATION.
- CODE BLUE PULL STATION CONNECTED TO NURSE CALL TERMINAL CABINET.
B = MOUNTED @ BED HEADWALL SYSTEM
BLANK = MOUNTED @ 5'-0" AFF. PROVIDED WITH CORD.
- DOME LIGHT USED FOR THE FOLLOWING SYSTEMS:
N = NURSE CALL (AMBER)
B = CODE BLUE (BLUE)
OTHER SPARE LIGHTS TO BE PROVIDED SHALL BE WHITE AND GREEN.
- LOCAL PAGING AMPLIFIER. WALL MOUNTED @ 5'-0" AFF.
- 12"x4" COMMUNICATION CABLE TRAY. MOUNTED ABOVE SUSPENDED CEILING.
- EXISTING COMMUNICATION CABLE TRAY MOUNTED ABOVE SUSPENDED CEILING TO BE REUSED.
- DATA AND TELEPHONE CONDUIT WITH CAT5 WIRING: CONCEALED (3/4" MIN. SIZE).
- BUILDING PAGING CONDUIT: CONCEALED (3/4" MIN. SIZE).
- LOCAL PAGING CONDUIT: CONCEALED (3/4" MIN. SIZE).
- CODE BLUE SYSTEM CONDUIT: CONCEALED (3/4" MIN. SIZE).
- CABLE TV CONDUIT: CONCEALED (3/4" MIN. SIZE).
- NURSE CALL CONDUIT: CONCEALED (3/4" MIN. SIZE).
- DATA/TELEPHONE OUTLET BOX. MOUNTED AT 18" AFF. UNO.
- DATA/TELEPHONE OUTLET BOX. MOUNTED AT 48" AFF. UNO.
- DATA/TELEPHONE DROP FOR HEADWALL SYSTEM.
- DATA COMMUNICATION, FLOOR OUTLET.
- 4"x4" WALL OUTLET BOX, WITH DUAL CATV JACKS. MOUNTED AT 7" AFF.
- UNINTERRUPTIBLE POWER SUPPLY FOR NURSE CALL. CODE BLUE SYSTEM. SURFACE MOUNTED ON COMPUTER DESK.
- CABLE TV LOCAL HUB.
- BUILDING/LOCAL PAGING SPEAKER.
- EXISTING WALL MOUNTED PAGING SPEAKER TO BE REUSED.
- AUTOMATIC DOOR PUSH PAD UNLESS OTHERWISE NOTED.
- AUTOMATIC DOOR CONNECTION TO LIFE SAFETY POWER.



ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL A ±4"x6" ENGRAVED PHENOLIC LABEL WITH THE INFORMATION INDICATED ABOVE FOR EACH PANEL AND TRANSFORMER INSTALLED. REFER TO HOSPITAL'S STANDARDS FOR LETTER SIZE. BACKGROUND COLOR SHALL BE BLACK WITH WHITE LETTERING FOR NORMAL POWER SYSTEMS AND RED BACKGROUND WITH WHITE LETTERING FOR EMERGENCY POWERED EQUIPMENT. VERIFY WITH THE OWNER THE EXACT MOUNTING LOCATION ON THE PANEL OR TRANSFORMER. PERMANENTLY ATTACH TO EQUIPMENT UTILIZING SCREWS.

NOTE:
1. VERIFY ALL EQUIPMENT ROOM DESIGNATIONS PRIOR TO ENGRAVING.
2. ALL SWITCHES AND RECEPTACLES SHALL BE LABELED AS TO PANEL AND CIRCUIT NUMBER, TYPICAL.

EQUIPMENT IDENTIFICATION LABEL

BY	REVISIONS	DATE



CONFIDENTIAL THESE DRAWINGS MUST BE RETURNED TO FACILITIES MANAGEMENT SERVICE, PROJECT SECTION, UPON COMPLETION, OR FINAL USE BY THE CONTRACTOR FOR BIDDING PURPOSES.

ASBESTOS WARNING: ASBESTOS CONTAINING BUILDING MATERIALS (ACBM) ARE PRESENT THROUGHOUT THE FACILITY. IF CONTRACTORS FIND ACBM, OR SUSPECT FINDING ACBM, THEY SHALL IMMEDIATELY STOP WORK AND CONTACT THE CONTRACTOR.

SCALING NOTES: FULL SIZE V.A. "T" SHEETS (SCALE AS INDICATED) AND HALF SIZE V.A. "D" SHEETS (@ THE SCALE INDICATED LETTER SIZE DRAWINGS ARE NOT TO SCALE).

GENERAL NOTE: CONTRACTORS AND ARCHITECT/ENGINEERING FIRMS ARE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL EXISTING CONDITIONS.

Project Title
**RENOVATE
WARD 5 EAST**

Drawing Title FIFTH FLOOR - WARD EAST ELECTRICAL LEGEND, NOTES, AND ABBREVIATIONS	Date 12/21/12
Project No. 637-11-119	DRAWING NO. E001
Building Number 47	Checked JMA
Location ASHEVILLE, NC	Drawn MSMS
	Dwg 65 OF 78



ABBREVIATIONS

- AC AIR CONDITIONING
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- A/AMPS AMPERES
- ARCH. ARCHITECTURAL
- ARCH. AMERICAN WIRE GAGE
- BLDG. BUILDING
- CB CIRCUIT BREAKER
- CDL COMPACT FLORESCENT
- DTT DOUBLE TWIN TUBE
- DWG DRAWING
- EMT ELECTRICAL METALLIC TUBING
- EXIST. EXISTING
- EX. EXISTING
- FA FIRE ALARM
- FEET
- GALV. GALVANIZED
- GROUND-Fault INTERRUPTING
- GND GROUND
- INT. INTERNATIONAL BUILDING CODE
- IC INTERRUPTING CAPACITY
- IR INFRARED
- LED LIGHT EMITTING DIODE
- LED. MAX. MANUFACTURER
- MACH. MACHINE
- MCC MOTOR CONTROL CENTER
- MECH. MECHANICAL
- MIN. MINIMUM
- MTD MOUNTED
- NEC NATIONAL ELECTRICAL CODE
- NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- REC./RECEPT. RECEPTACLE
- REF. REFRIGERATOR
- REP. REPRESENTATIVE
- RIGD RIGID GALVANIZED CONDUIT
- RM ROOM
- TEL. TELEPHONE
- TELEVISION
- TYP. TYPICAL
- UNO. UNLESS NOTED OTHERWISE
- UPS UNINTERRUPTIBLE POWER SUPPLY
- VEA VENTILATION AFFAIRS
- V VOLTS
- W/ WITH
- WP WATER PROOF (OR WEATHER RESISTANT)

GENERAL NOTES

1. THE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE LATEST EDITIONS OF THE NEC, IBC AND VA STANDARDS.
2. CONTRACTOR SHALL COORDINATE WITH THE VA ALL REQUIRED SHUT DOWNS TO CONNECT NEW CIRCUITS PRIOR TO PERFORMING THE WORK.
3. MINIMUM WIRE SIZE FOR POWER AND LIGHTING SHALL BE #12 AWG UNO (INCLUDING WHEN NO CONDUCTORS ARE SPECIFIED). ALL CONDUCTORS SHALL BE COPPER AND SHALL HAVE THIN/THIN INSULATION. ALL BRANCH CIRCUITS, INCLUDING LIGHTING, SHALL BE PROVIDED WITH AN INSULATED GROUNDING CONDUCTOR TOGETHER WITH THE PHASE CONDUCTORS. SHARED NEUTRAL CONDUCTORS ARE NOT PERMITTED.
4. THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE. CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS, MECHANICAL DRAWINGS AND SITE CONDITIONS BEFORE STARTING THE WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE VA REPRESENTATIVE BEFORE PERFORMING CHANGES.
5. ALL RACEWAYS SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE INDICATED.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY POWER, LIGHTING, TELECOMMUNICATION, AND SECURITY CONNECTIONS IN ORDER TO MAINTAIN CIRCUIT CONTINUITY TO ALL AREAS DURING CONSTRUCTION PHASING.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED FINAL CONNECTIONS TO EQUIPMENT WITH VENDOR DRAWINGS.
8. FOR EQUIPMENT TO BE CONNECTED TO EXISTING PANELBOARDS, CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NEW BREAKERS. NEW BREAKERS SHALL HAVE INTERRUPTING CAPACITIES EQUAL TO EXISTING UNITS. CONTRACTOR SHALL VERIFY THAT PANELBOARDS HAVE ADEQUATE CAPACITY FOR THE NEW LOAD. IF PANELBOARD IS FOUND NOT TO HAVE ENOUGH CAPACITY, CONTRACTOR SHALL BRING ISSUE TO THE ATTENTION OF THE VA REPRESENTATIVE.
9. DURING THE BID PROCESS, THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND SHALL FAMILIARIZE HIMSELF WITH THE COMPLEXITY INVOLVED IN THE INSTALLATION OF ELECTRICAL EQUIPMENT.
10. PROVIDE FIRE STOP SEALING IN ALL CABLE TRAYS AND CONDUITS PENETRATIONS OF ONE (1) HOUR OR MORE FIRE RATED OR SMOKE RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED WALLS.

100% SUBMITTAL
BID SET -
CONSTRUCTION
DOCUMENTS
DATE: DECEMBER, 21 2012

BID SET - 100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED