ELECTRICAL ABBREVIATIONS:

A/AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AIC	AMPS INTERRUPTING CAPACITY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
B.C.	BARE COPPER
BLDG	BUILDING
C	CONDUIT
C.B.	CIRCUIT BREAKER
CAT	CATALOG
CLG	CEILING
COMM	COMMUNICATION
CONN	CONNECTED
COTR	CONTRACTING OFFICER TECHNICAL REPRESENTATIVE
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	COPPER
DISC	DISCONNECT
DIST	DISTRIBUTION
DWG	DRAWING
ELECT	ELECTRIC
ELEC'L	ELECTRICAL
ELEV	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EXIST	EXISTING
FT	FOOT, FEET
FLA	FULL LOAD AMPS
FLD	FLOOD
FLR	FLOOR
F/A	FIRE ALARM
FSD	FIRE SMOKE DAMPER
GALV	GALVANIZED
GFCI	GROUND FAULT CIRCUIT-INTERRUPTER
GFP	GROUND FAULT PROTECTION
GND	GROUND
GOV	GOVERNMENT
GRN	GREEN
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
Hz	HERTZ
J.B.	JUNCTION BOX
KA	KILO-AMPERES
KVA	KILOVOLT-AMPERE
KV	KILOVOLT
KW	KILOWATT
LOC	LOCATION
LTG	LIGHT
MAX	MAXIMUM
MECH'L	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MOUNTING
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSED
NL	NIGHT LIGHT
NO.	NUMBER
NTS	NOT TO SCALE
O.L.	OVERLOAD
P	POLE
PA	PUBLIC ADDRESS
PBPU	PREFABRICATED BEDSIDE PATIENT UNIT
-D	DUAL UNIT
-S	SINGLE UNIT
PNL	PANEL
PR	PAIR
PH	PHASE
PRI	PRIMARY
PVC	POLYVINYL CHLORIDE
PWR	POWER
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SCHED	SCHEDULE
ST	STREET
SW	SWITCH
SWBD	SWITCHBOARD
TELE/TEL.	TELEPHONE
TV	TELEVISION
TEMP	TEMPORARY
TERM	TERMINAL
TWP	TWISTED WIRE PAIR, SHIELDED
TYP	TYPICAL
U/G	UNDERGROUND
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT AMPS
VAMC	VETERANS AFFAIR MEDICAL CENTER
W	WIRE
WP	WEATHERPROOF
WT	WIRE TROUGH
XFMR	TRANSFORMER
+12"A.F.F.	MOUNTING HEIGHT ABOVE FINISHED FLOOR OR GRADE
ø	PHASE

LEGEND

(J)/[J]	JUNCTION BOX
GFCI	DUPLEX RECEPTACLE, NEMA 5-20R, GROUNDING TYPE WITH GROUND FAULT INTERRUPTER (GFCI)
———	CONDUIT OR WIRE RUN EXPOSED OR ABOVE THE CEILING
- - - - - -	CONDUIT OR WIRE RUN UNDERGROUND
//-//-	HATCH MARKS INDICATE DEMOLITION WORK
———	BOLD INDICATES NEW WORK
GROUND, NEUTRAL, PHASE CONDUCTOR; A-1,3	BRANCH CIRCUIT HOMERUN TO PANELBOARD; LETTER AND NUMBER NOTATION IDENTIFIES PANEL AND CIRCUIT NUMBER(S). HASHMARKS INDICATES NUMBER OF PHASE, NEUTRAL AND GREEN GROUND WIRES
(M)	MOTOR, NUMBER INDICATES HORSEPOWER
	DISCONNECT SWITCH, UNFUSED
[F]	DISCONNECT SWITCH, FUSED
[CR]	CONTACTOR
[CB]	CIRCUIT BREAKER, ENCLOSED
	ELECTRIC PANELBOARD, SURFACE MOUNTED
	ELECTRIC PANELBOARD, FLUSH MOUNTED
	CONDUIT/WIRE TURN DOWN
	CONDUIT/WIRE TURN UP
[MS]	MANUAL MOTOR STARTER

1. RECEPTACLE SHALL BE MOUNTED 18" AFF UNLESS OTHERWISE NOTED.
2. RECEPTACLE SUFFIX OF:
   GFCI GROUND FAULT CIRCUIT INTERRUPTER
   SC SAFETY TYPE
   WP WEATHER PROTECTED (NEMA 3R) ENCLOSURE

GENERAL NOTES:

1. PENETRATION OF CONDUITS, RACEWAYS AND WIRING THROUGH FIRE RATED WALLS AND CEILINGS SHALL BE FIRE-STOPPED. FIRE STOPPING MATERIALS AND METHODS SHALL BE A U.L. LISTED ASSEMBLY.
2. METHODS AND MATERIALS SHALL BE IN ACCORDANCE WITH NEC. EQUIPMENT SHALL BE IN ACCORDANCE WITH THE STANDARDS OF NEMA AND ANSI. EQUIPMENT SHALL BE NEW AND LISTED BY U.L. AND INSTALLED IN ACCORDANCE WITH THE CONDITIONS STATED IN THAT LISTING.
3. BEFORE ENERGIZING, EQUIPMENT SHALL BE TESTED TO BE FREE OF GROUNDS AND SHORTS.
4. RECEPTACLES, OUTLETS AND JUNCTION BOXES SHALL BE PERMANENTLY MARKED AS TO INDICATE THE CIRCUIT NUMBER AND SOURCE PANELBOARD. PERMANENT MARKING FOR RECEPTACLES SHALL BE CLEAR 3/16" WIDE STICK-ON LABEL WITH BLACK LETTERING INSIDE THE WHILE-IN-USE COVER OR RECEPTACLE MOUNTING PLATE. PERMANENT MARKING FOR JUNCTION BOXES MAY BE HAND LABELED WITH PERMANENT MARKER ON THE INSIDE OF THE JUNCTION BOX COVER
5. UNLESS OTHERWISE INDICATED, POWER CONDUCTORS SHALL BE TYPE THHN/THWN, 600 VOLT, SOLID OR STRANDED COPPER AND NOT SMALLER THAN #12 AWG FOR POWER AND LIGHTING CIRCUITS AND #14 AWG FOR CONTROL CIRCUITS.
6. ALL EQUIPMENT SHALL BE PROPERLY GROUNDED IN STRICT ACCORDANCE WITH THE LATEST NATIONAL ELECTRICAL CODE. PROVIDE EQUIPMENT GROUNDING WIRE. DO NOT USE CONDUIT AS THE ONLY MEANS OF GROUNDING.
7. FIXTURES AND EQUIPMENT SHALL BE SUPPORTED/MOUNTED TO COMPLY WITH THE SEISMIC REQUIREMENTS OF THE IBC, STATE AND COUNTY REGULATIONS.
8. DRAWINGS SHOWN ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND ENSURE SHOP DRAWINGS ARE PROVIDED BEFORE DETAILING COMPLETE UTILITY LAYOUT AND INSTALLATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ROUTE NEW CONDUITS, DUCTS, PIPING AND SIMILAR LINES TO AVOID POTENTIAL INTERFERENCES, AND WHERE THIS CANNOT BE ACCOMPLISHED, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REMOVE, REROUTE, ADJUST AND REINSTALL THE INTERFERENCE SUCH THAT IT NO LONGER POSES A PROBLEM. THESE ITEMS ARE TO BE ADDRESSED AND CORRECTED AT NO ADDITIONAL COST TO THE GOVERNMENT.
9. CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH OTHER TRADES.
10. LABEL AND IDENTIFY ALL PANEL SCHEDULES WHERE CHANGES OCCUR. PROVIDE NEW PANEL SCHEDULE
11. DEDICATED NEUTRAL SHALL BE PROVIDED FOR EACH NEW 120 AND 277 VOLT CIRCUITS.
12. "PROVIDE" MEANS "FURNISH AND INSTALL".
13. ANY OUTAGES WILL BE DONE AT A TIME THAT IS LEAST DISRUPTIVE TO THE MEDICAL CENTER OR AS DIRECTED BY THE CONTRACTING OFFICER OR THE DESIGNATED REPRESENTATIVE. CONTRACTOR IS TO PROVIDE A WRITTEN REQUEST AND OBTAIN CO WRITTEN APPROVAL TWO WEEKS BEFORE THE ACTUAL OUTAGE. MINOR OUTAGES (LESS THAN 15 MINUTES) MAY BE REQUESTED 1 WEEK BEFORE THE ACTUAL OUTAGE.
14. ALL ELECTRICAL CONSTRUCTION WORK, METHODS AND MATERIALS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE GOVERNMENT AND VETERANS ADMINISTRATION RULES AND REGULATIONS.

SCALE: 3/4"=1'-0" SCALE: 1/2"=1'-0" SCALE: 1/4"=1'-0" SCALE: 1/8"=1'-0"

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