POWER PLAN LEGEND

FLUSH MOUNTED PANELBOARD

SURFACE MOUNTED PANELBOARD

60AS / 40AF 3P — DISCONNECT SWITCH - NEMA 1 ENCLOSURE - FUSED 30A-3 POLE UNLESS OTHERWISE NOTED

"60AS" - DENOTES SWITCH AMPERAGE RATING

"40AF" - DENOTES FUSE AMPERAGE RATING

"3P" - DENOTES 3-POLE

"3R" - DENOTES NEMA 3R ENCLOSURE

DISCONNECT SWITCH - NEMA 1 ENCLOSURE - UNFUSED

$M — MANUAL MOTOR STARTER WITH INTEGRAL THERMAL PROTECTION

J J — JUNCTION BOX

"ADO" INDICATES CONNECTION TO AUTOMATIC DOOR OPERATOR

"ATC" INDICATES CONNECTION FOR AUTOMATIC TEMPERATURE CONTROLS

"B" INDICATES JUNCTION BOX WITH BLANK COVER

"EF" INDICATES CONNECTION TO ELECTRONIC FAUCET OR FLUSH VALVE

"MD" INDICATES CONNECTION TO MOTORIZED DAMPER

"PD" INDICATESPOWER CONNECTION

"T/D" INDICATES TEL/DATA WIRING

WIRING DEVICE LEGEND

DUPLEX RECEPTACLE NEMA 5-20R

DOUBLE DUPLEX RECEPTACLE NEMA 5-20R

DUPLEX RECEPTACLE GFI TYPE NEMA 5-20R

DUPLEX RECEPTACLE NEMA 5-20R
EMERGENCY CRITICAL BRANCH CIRCUIT

DOUBLE DUPLEX RECEPTACLE NEMA 5-20R
EMERGENCY CRITICAL BRANCH CIRCUIT

DUPLEX RECEPTACLE GFI TYPE NEMA 5-20R
EMERGENCY CRITICAL BRANCH CIRCUIT

RECEPTACLE TYPE DESIGNATIONS:

ALL RECEPTACLES ARE MOUNTED 18" AFF UNLESS OTHERWISE NOTED.

"C"- DENOTES MOUNTED 8" ABOVE WORK SURFACE OR COUNTER TOP

"CM"- DENOTES RECEPTACLE MOUNTED 8" ABOVE WORK SURFACE OR COUNTER TOP FOR COFFEE MACHINE

"EF"- DENOTES DEVICE FOR ELECTRONIC FAUCET CONTROLS

"ICE"- DENOTES RECEPTACLE MOUNTED 8" ABOVE WORK SURFACE OR COUNTER TOP FOR ICE MACHINE

"IH"- DENOTES RECEPTACLE MOUNTED IN CASEWORK BELOW SINK FOR INSTANT HOT WATER DISPENSER, COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH THE CASEWORK VENDOR AND ARCHITECT PRIOR TO INSTALLATION.

"MC"- DENOTES RECEPTACLE MOUNTED IN CASEWORK FOR MICROWAVE, COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH THE CASEWORK VENDOR AND ARCHITECT PRIOR TO INSTALLATION

"REF"- DENOTES RECEPTACLE MOUNTED AT 48" FOR FULL HEIGHT REFRIGERATOR

"TP"- DENOTES TAMPER PROOF TYPE

"TS"- DENOTES RECEPTACLE MOUNTED IN CASEWORK FOR TOASTER

"UC"- DENOTES RECEPTACLE MOUNTED AT 18" IN CASEWORK FOR UNDERCABINET REFRIGERATOR

"WP"- DENOTES WEATHERPROOF TYPE: NEMA 3R MINIMUM

"WR"- DENOTES LISTED WEATHER RESISTANT TYPE DEVICE AND IN-USE COVER AS DESCRIBED IN N.E.C. 2011 SECTION 406.8

CEILING MOUNTED RECEPTACLE

"CP"- DENOTES RECEPTACLE MOUNTED IN CEILING FOR PROJECTOR

FLOOR MOUNTED DUPLEX RECEPTACLE NEMA 5-20R. PROVIDE RECTANGULAR METALLIC CAST IRON ADJUSTABLE FLOOR BOX WITH ALUMINUM COVERS. PROVIDE CARPET FLANGES AS REQUIRED.

"F" - DENOTES FLUSH FLOOR MOUNTED

"PT" - DENOTES 2 HOUR FIRE RATED POKE-THROUGH

TRIPLE CHANNEL, SURFACE MOUNTED, ALUMINUM RACEWAY, DUAL COVER WIREMOLD #AL7450 SERIES OR APPROVED EQUAL. RACEWAY TO BE MOUNTED 6" ABOVE WORK SURFACE OR AS DIRECTED BY ARCHITECT AND HOSPITAL REPRESENTATIVE. RACEWAY TO BE FACTORY PRE-WIRED, WITH DUPLEX NEMA 5-20R RECEPTACLES FOR NORMAL POWER, DUPLEX RED NEMA 5-20R RECEPTACLES FOR EMERGENCY POWER, AND VOICE/DATA PROVISION LOCATIONS. NORMAL POWER DEVICES 24" ON CENTER, EMERGENCY POWER DEVICES 48" ON CENTER, AND TELE/DATA LOCATIONS 48" ON CENTER, UNLESS OTHERWISE NOTED. DEVICES WITHIN 6'-0" OF SINKS SHALL BE GFCI PROTECTED.

NOTE: ALL RECEPTACLES SHALL BE HOSPITAL GRADE

"BW"- DENOTES RECEPTACLE MOUNTED AT HEIGHT AS DETERMINED BY THE ARCHITECT FOR BLANKET WARMER

"PX"- DENOTES RECEPTACLE MOUNTED AT 48"A.F.F. FOR PYXIS MACHINE

"TV"- DENOTES RECEPTACLE MOUNTED HIGH ON WALL FOR TELEVISION. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO INSTALLATION. PROVIDE TAMPERPROOF TYPE DEVICE IN PATIENT ACCESSIBLE AREAS

ALL RECEPTACLES WITHIN PATIENT ACCESSIBLE AREAS SHALL BE TAMPERPROOF TYPE DEVICES.

LIGHTING PLAN LEGEND

FR 1 a — LIGHTING FIXTURE AS DESIGNATED ON LIGHTING FIXTURE SCHEDULE

"1" - DENOTES PANELBOARD BRANCH CIRCUIT NUMBER

"a" - DENOTES FIXTURE CONTROLLED BY LOCAL SWITCH "a"

"FR" - DENOTES FIXTURE TYPE AS NOTED ON FIXTURE SCHEDULE.

"NL" - DENOTES NIGHT LIGHT FIXTURE

- DENOTES LIGHT FIXTURE ON LIFE SAFETY BRANCH CIRCUIT

- DENOTES LIGHT FIXTURE CONNECTED TO CRITICAL BRANCH CIRCUITRY

EXIT SIGN - SHADED AREA INDICATES LOCATION AND QUANTITY OF FACES; DIRECTIONAL ARROWS AS INDICATED

SWITCHES LEGEND

MOUNT 48" AFF UNO

$a — LOCAL SWITCH, SINGLE POLE

"a" - DENOTES LIGHT FIXTURE CONTROL

$3 — LOCAL SWITCH, 3-WAY, SINGLE POLE DOUBLE THROW

$4 — LOCAL SWITCH, 4-WAY, DOUBLE POLE, DOUBLE THROW

$D — DIMMER SWITCH, SINGLE POLE

$3D — DIMMER SWITCH, 3-WAY

$LV — LOW VOLTAGE SWITCH

"MS" - DENOTES MASTER STATION OVERRIDE
"a" - DENOTES LOW VOLTAGE SWITCH CIRCUIT

$OS — OCCUPANCY SENSOR - WALL MOUNTED INTEGRAL, DUAL TECHNOLOGY, SINGLE POLE SWITCH. MOUNT 48" AFF UNLESS NOTED OTHERWISE.

OS — OCCUPANCY SENSOR - WALL MOUNTED INTEGRAL, DUAL TECHNOLOGY, DUAL RELAY SWITCH. MOUNT 48" AFF UNLESS NOTED OTHERWISE.

OS — OCCUPANCY SENSOR - WALL MOUNTED INTEGRAL, DUAL TECHNOLOGY, DUAL RELAY SWITCH, WITH INTEGRAL PHOTOCELL. MOUNT 48" AFF UNLESS NOTED OTHERWISE.

OS — OCCUPANCY SENSOR, CEILING MOUNTED, DUAL TECHNOLOGY.

OS — OCCUPANCY SENSOR, CEILING PEDESTAL MOUNTED CORNER UNIT, DUAL TECHNOLOGY.

ER — EMERGENCY LIGHTING SUPERVISORY RELAY - UL 924 LISTED REFER TO ELECTRICAL DETAILS FOR ADDITIONAL INFORMATION

FOR CEILING MOUNTED AND CORNER MOUNTED OCCUPANCY SENSORS:
PROVIDE THE APPROPRIATE QUANTITY OF POWER SUPPLIES FOR SINGLE AND MULTIPLE LEVEL SWITCHING. REFER TO FLOOR PLANS FOR SWITCHING LAYOUTS TO DETERMINE EXACT QUANTITY OF POWER SUPPLIES

WIRING METHODS LEGEND

J-HOOK CABLE MANAGEMENT TYPICALLY MOUNTED 6" ABOVE FINISHED CEILING

BASKET STYLE CABLE TRAY ELEVATION TRANSITION FITTING

CONDUIT TURNING UP

CONDUIT TURNING DOWN

CONDUIT STUBBED 6" ABOVE ACCESSIBLE CEILING AT 90° ANGLE WITH BUSHED END

FLEXIBLE RACEWAY

L4GA-5 — HOMERUN TO PANELBOARD "L4GA" ; BRANCH CIRCUIT No. 5; NO SLASH LINES INDICATE 2#12 & 1#12G., 3/4"C. UNLESS OTHERWISE NOTED: MINIMUM SIZE CONDUCTOR #12 AWG/ MINIMUM SIZE CONDUIT 3/4"C.

WIRING METHODS

REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION	
NORMAL BRANCH CIRCUITS	THHN/THWN/XHHW CONDUCTORS IN EMT OR HOSPITAL GRADE AC CABLE
EMERGENCY SYSTEM (LIFE SAFETY AND CRITICAL) BRANCH CIRCUITS	THHN/THWN/XHHW CONDUCTORS IN EMT
NURSE CALL SYSTEM WIRING	CONDUCTORS IN EMT
FIRE ALARM SYSTEM WIRING	CONDUCTORS IN EMT OR MC CABLE
TELEDATA WIRING	CAT6 WIRING IN EMT (REFER TO COMMUNICATIONS LEGEND FOR ADDITIONAL INFORMATION)

MECHANICAL EQUIPMENT COORDINATION

ELECTRICAL CONTRACTOR SHALL REFER TO THE MECHANICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS AND SPECIFICATIONS FOR LOCATIONS AND QUANTITIES OF EQUIPMENT RELEASED TO EACH TRADE.

COMMUNICATIONS LEGEND

COMBINATION VOICE/DATA OUTLET DEVICE - MOUNTED 18"AFF, UNLESS NOTED OTHERWISE. (1 VOICE, 2 DATA UNLESS OTHERWISENOTED) WITH 1"C (WITH PULL STRING) RUN CONCEALED WITHIN WALL TO ABOVE FINISHED CEILING AND TERMINATING WITHIN 6" OF CABLE MANAGEMENT SYSTEM. PROVIDE WITH CAT6 CABLES BACK TO PATCH PANEL SERVING THE AREA.

"C" - DENOTES MOUNTED 8" ABOVE WORK SURFACE

"W" - DENOTES MOUNTED 54" AFF

"TV" - DENOTES DEVICE MOUNTED HIGH ON WALL FOR TELEVISION. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO INSTALLATION.

VOICE ONLY OUTLET DEVICE - MOUNTED 18" AFF, UNLESS NOTED OTHERWISE, WITH 1"C (WITH PULL STRING) RUN CONCEALED WITHIN WALL TO ABOVE FINISHED CEILING AND TERMINATING WITHIN 6" OF CABLE MANAGEMENT SYSTEM. PROVIDE WITH CAT6 CABLES BACK TO PATCH PANEL SERVING THE AREA.

"C" - DENOTES MOUNTED 8" ABOVE WORK SURFACE

"W" - DENOTES MOUNTED 54" AFF

DATA ONLY OUTLET DEVICE (2 DATA) - MOUNTED 18" AFF, UNLESS NOTED OTHERWISE, WITH 1"C (WITH PULL STRING) RUN CONCEALED WITHIN WALL TO ABOVE FINISHED CEILING AND TERMINATING WITHIN 6" OF CABLE MANAGEMENT SYSTEM. PROVIDE WITH CAT6 CABLES BACK TO PATCH PANEL SERVING THE AREA.

"WAP" - DENOTES WIRELESS ACCESS POINT 1"EMT TO WITHIN 6" OF NEAREST CABLE MANAGEMENT SYSTEM

"C" - DENOTES MOUNTED 8" ABOVE WORK SURFACE

FLOOR MOUNTED DATA ONLY OUTLET DEVICE (2 DATA) WITH 1"C (WITH PULL STRING) RUN CONCEALED WITHIN WALL TO ABOVE FINISHED CEILING AND TERMINATING WITHIN 6" OF CABLE MANAGEMENT SYSTEM. PROVIDE WITH CAT6 CABLES BACK TO PATCH PANEL SERVING THE AREA.

"WAP" - DENOTES WIRELESS ACCESS POINT 1"EMT TO WITHIN 6" OF NEAREST CABLE MANAGEMENT SYSTEM

"C" - DENOTES MOUNTED 8" ABOVE WORK SURFACE

INFORMATION TECHNOLOGY (IT) OUTLET DEVICE PROVISIONS - CEILING MOUNTED WITH 1"C (WITH PULL STRING) RUN CONCEALED WITHIN WALL TO ABOVE FINISHED CEILING AND TERMINATING WITHIN 6" OF CABLE MANAGEMENT SYSTEM

"CCTV" - DENOTES DATA DEVICE FOR CONNECTION TO SECURITY CAMERA. DEVICE TO BE LOCATED ABOVE ACCESSIBLE CEILING. COORDINATE EXACT LOCATION WITH OWNER AND SECURITY VENDOR.

"CAP" - DENOTES CEILING MOUNTED WIRELESS ACCESS POINT

3/4" THICK x 8'-0" HIGH x LENGTH AS INDICATED ON THE DRAWINGS PLYWOOD. PLYWOOD SHALL BE PAINTED GRAY AND MOUNTED TO WALL.

TV TV — TELEVISION OUTLET - CEILING OR WALL MOUNTED AS INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE WITH 3/4"C TO ABOVE ACCESIBLE CEILING WITH RG6 CABLING TO CATV TERMINATION POINT.

"H" - DENOTES MOUNTED HIGH ON WALL CORDINATE EXACT LOCATION WITH ARCHITETURAL DRAWINGS AND ELEVATIONS

AV — 2-GANG BACKBOX WITH SINGLE GANG PLASTER RING AND COVERPLATE (TYPE AND MANUFACTURE PER FACILITY STANDARDS) WITH 1"C (EMPTY, WITH PULLSTRING) TERMINATED IN ACCESSIBLE CEILING WITH BELL END BUSHING, UNLESS OTHER SIZE CONDUIT IS INDICATED ON DRAWINGS.

REFER TO SPECIFICATIONS FOR TELE/DATA WIRING REQUIREMENTS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE DEVICES AND CABLING BACK TO TERMINATION EQUIPMENT.

FIRE ALARM SYSTEM LEGEND

FATB — FIRE ALARM TERMINAL BOX

F — FIRE ALARM ADA COMPATIBLE MANUAL PULL STATION

F C — FIRE ALARM ADA COMPATIBLE, WALL MOUNTED SPEAKER/ STROBE COMBINATION UNIT 90db OUTPUT, ADJUSTABLE CANDELA RATING, FACTORY SET AT 75cd, UNLESS NOTED OTHERWISE

"C" - DENOTES CEILING MOUNTED
"S" - DENOTES AUDIBLE ONLY DEVICE

V — FIRE ALARM ADA COMPATIBLE, WALL MOUNTED STROBE UNIT ADJUSTABLE CANDELA RATING

S D — FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED UNLESS NOTED OTHERWISE.

"D" - DENOTES DUCT SMOKE DETECTOR

"FSD" - FIRE SMOKE DAMPER

RI — FIRE ALARM REMOTE LED INDICATOR

RTS — FIRE ALARM REMOTE TEST STATION

H R — FIRE ALARM HEAT DETECTOR; CEILING MOUNTED, 135° FIXED TEMPERATURE UNLESS NOTED OTHERWISE.

"R" - DENOTES RATE OF RISE

CM — FIRE ALARM CONTROL MODULE

MM — FIRE ALARM MONITORING MODULE

IR — FIRE ALARM INTERFACE RELAY

DH — FIRE ALARM ELECTRO-MAGNETIC DOOR HOLDER

NURSE CALL SYSTEM LEGEND

N 1B — NURSE CALL

"1B"- DENOTES SINGLE BED STATION WITH WALL SPEAKER AND PATIENT CONTROL UNIT.

"T"- DENOTES TOILET/ DRESSING ROOM STATION, WALL MOUNTED WITH PULLCORD.

"CM"- DENOTES CARDIAC MONITOR

"PB"- DENOTES PULL CORD TYPE PATIENT BED STATION

"SD"- DENOTES STAFF/DUTY STATION

"SA"- DENOTES NURSE CALL STAFF ASSIST STATION

"SRH"- DENOTES STAFF REGISTRATION STATION

"CB"- DENOTES CODE BLUE STATION

"EC"- DENOTES NURSE CALL EQUIPMENT CABINET

"MS"- DENOTES NURSE CALL MASTER STATION

"A"- DENOTES NURSE CALL ANNUNCIATOR STATION

"CBA"- DENOTES CODE BLUE ANNUNCIATOR

"P"- DENOTES PSYCHIATRIC PATIENT STATION RAULAND #HSS433

"PS"- DENOTES PSYCHIATRIC BATH/ SHOWER STATION RAULAND #HSS433

"PT"- DENOTES PSYCHIATRIC TOILET/ DRESSING STATION RAULAND #HSS433

CB — DOME LIGHT - CEILING OR WALL MOUNTED RESPECTIVELY

"CB"- DENOTES CODE BLUE DOME LIGHT

"Z"- DENOTES ZONE DOME LIGHT

PROJECT GENERAL NOTES

1. THIS IS A STANDARD SYMBOL LIST. ALL DEVICE SYMBOLS AND ABBREVIATIONS MAY NOT NECESSARILY APPEAR ON THE FLOOR PLANS OR DETAIL SHEET. ONLY THOSE SYMBOLS INDICATED ON THE FLOORS PLANS ARE USED AND OTHERS SHOULD BE DISREGARDED.

2. THE CONTRACTOR SHALL FURNISH LABOR, MATERIALS, TOOLS AND OTHER EQUIPMENT REQUIRED TO INSTALL THE WORK SHOWN AND SPECIFIED. THE CONTRACTOR SHALL FURNISH AND INSTALL ITEMS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM. MATERIALS SHALL BE NEW AND SHALL BEAR THE REGISTERED UL MARK. WORK SHALL CONFORM WITH THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 70 (NEC), THE NATIONAL ELECTRICAL CODE (NEC), AND APPLICABLE FEDERAL, STATE AND LOCAL CODES. CONTRACTOR SHALL SECURE PERMITS AND PAY THE FEES REQUIRED TO CARRY OUT HIS WORK. THE CONTRACTOR SHALL FURNISH COPIES OF CERTIFICATES AND PERMITS TO THE ARCHITECT.

3. THE DRAWINGS AND SPECIFICATIONS INDICATE THE INTENT OF THE DESIGN AND SHALL BE CONSIDERED AS DIAGRAMMATIC ONLY. EXACT LOCATIONS FOR OUTLETS AND EQUIPMENT SHALL BE DETERMINED AT THE SITE AS WORK PROGRESSES. DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE. FINAL WORK SHALL BE DOCUMENTED ON AS BUILT RECORD DRAWINGS.

4. PIPING, CONDUITS AND EQUIPMENT OF ALL TRADES SHALL BE PROPERLY COORDINATED AND SET TO MAINTAIN THE CLEARANCES REQUIRED BY APPLICABLE FEDERAL, STATE AND LOCAL CODES.

5. CONDUIT RUNS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION OR EXPANSION DEFLECTION TYPE FITTINGS AS REQUIRED. VERIFY EXISTING JOINTS BY FIELD MEASUREMENTS.

6. RACEWAYS AND CABLE SHALL BE RUN CONCEALED IN FINISHED SPACES UNLESS OTHERWISE NOTED.

7. LOAD CENTERS, PANELBOARDS AND SWITCHBOARDS SHALL BE PROVIDED WITH DEDICATED SPACE EXTENDING FROM THE FLOOR TO THE STRUCTURAL CEILING WITH A WIDTH AND DEPTH THAT OF THE EQUIPMENT, INCLUDING ANY ADDITIONAL SPACE DESCRIBED IN OF THE NEC. NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH SUCH SPACE.

8. WIRING DEVICES SHALL BE MOUNTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE ARCHITECTURAL BARRIERS BOARD.

9. PANELBOARD SHALL BE MOUNTED SO THAT THE DISTANCE FROM THE TOP CIRCUIT BREAKER OPERATING HANDLE TO THE FLOOR SHALL NOT EXCEED 6'-6".

10. ALL RECEPTACLES INSTALLED IN UNFINISHED AREAS SHALL BE GFI TYPE, MOUNTED 4'-0" ABOVE FINISHED FLOOR.

11. EXIT SIGNS AND EMERGENCY LIGHTING UNITS SHALL BE UNSWITCHED.

12. ALL BRANCH CIRCUITS (LIGHTING AND POWER) SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR. COMMON NEUTRALS WILL NOT BE ALLOWED.

13. RECEPTACLES, SWITCHES, LIGHTING FIXTURES, SMOKE DETECTORS, ETC. INDICATE QUANTITY, EXACT LOCATIONS OF DEVICES SHALL BE DETERMINED IN THE FIELD AND COORDINATE WITH ARCHITECTURAL DRAWINGS.

14. OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA 3R TYPE, UNLESS OTHERWISE NOTED.

15. MOUNTING HEIGHTS SHALL BE AS INDICATED ON MOUNTING HEIGHT DETAIL.

16. CONTRACTOR SHALL VERIFY ALL DOORS SWINGS BEFORE INSTALLING SWITCH BOXES.

17. FOR EXACT LOCATION OF LIGHTING FIXTURES SEE REFLECTED CEILING PLAN DRAWINGS. FOR MOUNTING HEIGHT OF UNDER-COUNTER LIGHTING FIXTURES AND OTHER TASK LIGHTING, REFER TO ARCHITECTURAL ELEVATION DRAWINGS.

18. ELECTRICAL CONTRACTOR IS TO COORDINATE THE EXACT LOCATION OF LIGHTING FIXTURES IN MECHANICAL AND STORAGE AREAS WITH OTHER TRADES.

19. FOR EXACT LOCATION OF MECHANICAL EQUIPMENT (AC UNITS, FANS, PUMPS, ETC.) REFER TO RESPECTIVE TRADES DRAWINGS. FOR ELECTRICAL INFORMATION, REFER TO MEP COORDINATION SCHEDULE.

20. CURRENT CARRYING MATERIAL USED SHALL BE COPPER, INCLUDING PANELBOARD BUS MATERIALS AND TRANSFORMER WINDINGS.

21. FURNISH GROUNDING/ BONDING BUSHINGS ONTO ALL CONDUIT ENTERING/LEAVING BOXES.

22. ALL GROUND CONDUCTORS SHALL BE GREEN, ISOLATED GROUND CONDUCTORS SHALL BE GREEN/ YELLOW STRIPPED, AND NEUTRAL CONDUCTORS SHALL BE WHITE.

23. UNLESS NOTED OTHERWISE, ALL DATA AND TELEPHONE CABLING IS BY OTHERS. ELECTRICAL DRAWINGS PROVIDE RACEWAY SYSTEMS ONLY AND INDICATE TEL/DATA OUTLET CONFIGURATIONS FOR REFERENCE ONLY.

24. MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM SHALL BE COORDINATED WITH THE FIRM WHO HOLDS THE EXISTING SYSTEM MAINTENANCE CONTRACT. THE FIRM WHO HOLDS THE EXISTING SYSTEM MAINTENANCE CONTRACT SHALL MAKE ALL FINAL CONNECTIONS, AND PERFORM ALL PROGRAMMING AND TESTING. ALL COSTS ASSOCIATED WITH FINAL CONNECTIONS, PROGRAMMING AND TESTING SHALL BE INCLUDED UNDER THIS CONTRACT AND SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

25. THE ELECTRICAL CONTRACTOR SHALL CARRY ALL COSTS ASSOCIATED WITH DISABLING THE CONNECTIONS TO THE EXISTIGN MUNICIPAL LOOP DURING FINAL CONNECTIONS AND TESTING AND SHALL CARRY COSTS FOR RECONNECTION OF LOOP.

26. WHERE PANELS ARE INDICATED TO BE RELOCATED, THE ELECTRICAL CONTRACTOR SHALL TRACE OUT EACH CIRCUIT TO DETERMINE WHAT CIRCUITS FEED AREAS OUTSIDE THE SCOPE OF WORK. CIRCUITS WHICH MUST BE MAINTAINED ARE TO BE RE-ROUTED TO THE NEW PANEL LOCATION BY PROVIDING AN ADEQUATELY SIZED PULL BOX AND SPLICING AND EXTENDING THE CONDUCTORS.

BRANCH CIRCUIT SCHEDULE

CIRCUIT BREAKER	CONDUCTORS
120 VOLT & 277 VOLT 1□, 2W. CIRCUITS	
30A-1P	2#10 & 1#10G - 3/4"C.
40A-1P	2#8 & 1#10G - 3/4"C.
50A-1P	2#6 & 1#10G - 3/4"C.
60A-1P	2#6 & 1#10G - 3/4"C.
208 VOLT & 480 VOLT 1□, 2W. CIRCUITS	
20A-2P/2W	2#12 & 1#12G - 3/4"C.
30A-2P/2W	2#10 & 1#10G - 3/4"C.
40A-2P/2W	2#8 & 1#10G - 3/4"C.
50A-2P/2W	2#6 & 1#10G - 3/4"C.
60A-2P/2W	2#6 & 1#10G - 3/4"C.
120/208 VOLT & 277/480 VOLT 1□, 3W. CIRCUITS	
20A-2P/3W	3#12 & 1#12G - 3/4"C.
30A-2P/3W	3#10 & 1#10G - 3/4"C.
40A-2P/3W	3#8 & 1#10G - 3/4"C.
50A-2P/3W	3#6 & 1#10G - 3/4"C.
60A-2P/3W	3#6 & 1#10G - 3/4"C.

DEMOLITION GENERAL NOTES

1. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE FULL EXTENT OF THE SCOPE OF DEMOLITION. DISCONNECT AND MAKE SAFE ALL ELECTRICAL EQUIPMENT IDENTIFIED FOR REMOVAL ON THE ARCHITECTURAL, HVAC, PLUMBING AND FIRE PROTECTION PLANS. THE ELECTRICAL SCOPE MAY EXTEND BEYOND THE AREA DEFINED BY THE ARCHITECTURAL DEMOLITION LIMITS TO FULLY COMPLY WITH THE VARIOUS REQUIREMENTS DEFINED BY THESE NOTES.

2. THE ELECTRICAL DEMOLITION PLANS INDICATE THE GENERAL INTENT AND ARE NOT INTENDED TO SHOW ALL COMPONENTS AND ITEMS TO BE REMOVED OR RETAINED. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMISSION OF THIER BID TO BECOME FAMILIAR WITH THE ACTUAL WORKING CONDITIONS AND EXTENT OF WORK. DEVICES AND EQUIPMENT LOCATED ON WALLS AND/OR CEILINGS DESIGNATED TO BE REMOVED SHALL BE DISCONNECTED AND MADE SAFE. THE ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY UNANTICIPATED OR HIDDEN CONDITIONS ENCOUNTERED DURING DEMOLITION.

3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ALL SYSTEMS OR BUILDING COMPONENTS DAMAGED DURING THE EXECUTION OF THE WORK. DAMAGE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE DESTRUCTION OR DISPOSAL OF ITEMS INTENDED TO REMAIN OR BE SALVAGED.

4. THE ELECTRICAL CONTRACTOR SHALL CIRCUIT TRACE AND LABEL ALL EXISTING BRANCH CIRCUITS AND FEEDERS WITHIN OR ASSOCIATED WITH THE AREA OF DEMOLITION SCOPE PRIOR TO DE-ENERGIZING AND DISCONNECTION. ALL CIRCUITS WITHIN PANELBOARDS IDENTIFIED FOR REMOVAL SHALL BE TRACED AND LABELED TO ENSURE THAT NO AREA OUTSIDE THE DEMOLITION SCOPE LIMIT IS AFFECTED.

5. THE ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL BRANCH CIRCUITS, FEEDERS AND SYSTEM COMPONENTS WHICH ARE TO REMAIN WITHIN THE AREA OF DEMOLITION SCOPE. THERE SHALL BE NO INTERRUPTION OF SERVICE TO ANY AREA OUTSIDE THE SCOPE LIMITS WITHOUT APPROVAL FROM THE OWNER'S REPRESENTATIVE. EXISTING EQUIPMENT TO REMAIN SHALL BE LEFT IN A CODE COMPLIANT CONDITION.

6. THE ELECTRICAL CONTRACTOR SHALL DE-ENERGIZE AND REMOVE ALL CONDUCTORS AND RACEWAYS TO THEIR POINTS OF ORIGIN WITHIN THE AREA OF DEMOLITION SCOPE. ITEMS IDENTIFIED FOR DEMOLITION SHALL NOT BE ABANDONED IN PLACE. RACEWAYS THAT ENTER MASONRY WALLS AND FLOORS SHALL BE CUT FLUSH AT THE SURFACE FOR PATCHING BY OTHERS. ALL CIRCUIT BREAKERS ASSOCIATED WITH THE DEMOLITION SHALL BE DE-ENERGIZED AND LABELED SPARE.

7. THE ELECTRICAL CONTRACTOR SHALL TEMPORARILY SUPPORT ALL ITEMS TO REMAIN THAT ARE AFFECTED BY THE DEMOLITION OF BUILDING STRUCTURAL COMPONENTS (WALLS, CEILINGS, ETC.). TEMPORARILY SUPPORTED ITEMS SHALL BE PERMANENTLY SUPPORTED AND INSTALLED WHEN FINALIZED STRUCTURES ARE IN PLACE.

8. ALL REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF UNLESS IDENTIFIED FOR REUSE. THE OWNER'S REPRESENTATIVE SHALL INSPECT ALL RETAINED ITEMS PRIOR TO PLACEMENT IN THE INDENTIFIED STORAGE LOCATION BY THE ELECTRICAL CONTRACTOR.

9. THE EXISTING FIRE ALARM SYSTEM SHALL REMAIN FULLY FUNCTIONAL DURING THE ENTIRE DEMOLITION AND CONSTRUCTION PERIOD. REUSE OF EXISTING FIRE ALARM RACEWAYS SHALL NOT BE ALLOWED. ALL REQUIRED SYSTEM SHUTDOWNS SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND THE AUTHORITY HAVING JURISDICTION. DEMOLITION OF THE EXISITING SYSTEM SHALL NOT COMMENCE UNTIL THE NEW SYSTEM HAS BEEN COMPLETELY INSTALLED, TESTED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.

10. ALL DEMOLITION SCOPE ASSOCIATED WITH LOW VOLTAGE SYSTEMS INCLUDING BUT NOT LIMITED TO TELEPHONE, DATA, SECURITY, PAGING, CCTV, ETC. SHALL BE INCLUDED IN THIS CONTRACT.

11. REMOVED FLUORESCENT AND HID LAMPS AND BATTERIES SHALL BE RECYCLED BY A FACILITY APPROVED BY THE OWNER'S REPRESENTATIVE. A UNIFORM HAZARDOUS WASTE MANIFEST SHALL BE PREPARED FOR ALL DISPOSALS AND RETURNED WITH ALL APPLICABLE SIGN-OFFS PRIOR TO APPLICATION FOR FINAL PAYMENT.

12. ALL BALLASTS IN LIGHTING FIXTURES TO BE DISPOSED SHALL BE VERIFIED TO BE PCB FREE. ALL BALLASTS MANUFACTURED PRIOR TO 1979 AND NOT LABELED AS PCB FREE SHALL BE CONSIDERED TO CONTAIN PCBs. PROVIDE WRITTEN REPRESENTATION TO THE OWNER'S REPRESENTATIVE THAT CONFIRMS PCB FREE WASTE. WHERE PCB FREE WASTE CANNOT BE VERIFIED, BALLASTS SHALL BE RECYCLED BY A FACILITY APPROVED BY THE OWNER'S REPRESENTATIVE, WITH PCB COMPONENTS ELIMINATED BY A HIGH TEMPERATURE INCINERATION. A UNIFORM HAZARDOUS WASTE MANIFEST SHALL BE PREPARED FOR ALL DISPOSALS AND RETURNED WITH ALL APPLICABLE SIGNOFFS PRIOR TO APPLICATION FOR FINAL PAYMENT. ALL HANDLING SHALL CONFORM TO EPA REQUIREMENTS. PROVIDE BREAKOUT COST FOR THIS SCOPE.

DEMOLITION LEGEND

"X" EXISTING ELECTRICAL DEVICE SHALL BE REMOVED

"XR" EXISTING ELECTRICAL DEVICE SHALL BE REMOVED AND SURFACE

"XL" EXISTING ELECTRICAL DEVICE INDICATED IN NEW LOCATION

"XN" EXISTING ELECTRICAL DEVICE AND COVER PLATE ONLY SHALL BE REMOVED AND REPLACED WITH NEW; MAINTAIN EXISTING BOX, RACEWAY AND WIRING.

"E" EXISTING ELECTRICAL DEVICE SHALL BE MAINTAINED

EXAMPLE

X XR XL XN E

ELECTRICAL DRAWING LIST

DWG NO.	DRAWING TITLE
E0.0	ELECTRICAL LEGEND
E1.0	ELECTRICAL LIGHTING PLANS
E2.0	ELECTRICAL POWER PLANS
E3.0	ELECTRICAL SIGNAL PLANS
E4.0	ELECTRICAL DETAILS AND SCHEDULES

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Seals

Consultant

DD Approval Signature	Date

Project North

Key Plan N.T.S.

Revision	Date	No
Issued For Construction		

Portland, Maine

Psych Room Renovation

MorrisSwitzer Project Number	201451
Date	1/27/2017
Scale	12" = 1'-0"

Sheet Title and Number

ELECTRICAL LEGEND

E0.0