'a' = CONTROLLED BY SWITCH 'a'

SIMILAR TO ABOVE WITH EMERGENCY BACKUP 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' WALL MOUNTED LIGHT FIXTURE

'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' NL = NIGHT LIGHT CEILING MOUNTED FIXTURE 'A' = FIXTURE TYPE

<u>POWER</u>

— x — x — x

SINGLE POLE SWITCH a = SWITCH CONTROL 'a' 2 = DOUBLE POLE3 = THREE-WAY4 = FOUR-WAYD = DOORK = KEY OPERATEDMO = MOMENTARY CONTACT T = TIME SWITCHP = PILOT LIGHT

WALL DIMMER - TYPE 'A' NUMBER INDICATES WATTAGE 20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED CR = WIRED TO CRITICAL POWER SYSTEM 20A, 125V QUADRUPLEX RECEPTACLE - FLUSH WALL

MOUNTED SPECIAL PURPOSE RECEPTACLE — FLUSH WALL MOUNTED A = TYPE

5, 3, 1 NUMBER FOR REFERENCE ONLY. 2#12+1#12G-3/4"C FOR ONE CKT. HOMERUN, U.O.N. 3#12+1#12G-3/4°C FOR TWO CKT. HOMERUN, U.O.N. 4#12+1#12G-3/4"C FOR THREE CKT. HOMERUN, U.O.N.

HOMERUN-NUMERAL WHERE USED INDICATES CIRCUIT

HOMERUN - NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY 100/60 ENCLOSED CIRCUIT BREAKER TRIP AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED

> NA = NON-AUTOMATICSURFACE MOUNTED LIGHTING PANELBOARD FLUSH MOUNTED LIGHTING PANELBOARD

SURFACE MOUNTED POWER PANELBOARD FLUSH MOUNTED POWER PANELBOARD SURFACE MOUNTED POWER DISTRIBUTION PANELBOARD

> CEILING MOUNTED JUNCTION BOX FLUSH WALL MOUNTED JUNCTION FLUSH FLOOR MOUNTED JUNCTION BOX

EXISTING CONDUIT TO BE REMOVED EXISTING CONDUIT/EQUIPMENT TO REMAIN NEW CONCEALED CONDUIT

NEW EXPOSED CONDUIT \_\_\_\_ NEW UNDERGROUND/IN SLAB CONDUIT NEW EMERGENCY CONDUIT

CONDUIT TURNING UP CONDUIT TURNING DOWN CONDUIT STUB-UP WITH FLEXIBLE EQUIPMENT

CONNECTION FLEXIBLE EQUIPMENT CONNECTION CAPPED CONDUIT

SINGLE LINE DIAGRAM

△₩ 460V 500KVA POWER TRANSFORMER 200/208 VOLTAGES, WINDINGS AND SIZE AS INDICATED AUTOMATIC TRANSFER SWITCH

ATS = AUTOMATIC TRANSFER MTS = MANUAL TRANSFER POLES AND RATING AS NOTED MOTOR

**GENERATOR** 

**GROUND CONNECTION** 100 AMP SWITCH / 90 AMP / 3 POLE

UNFUSED SWITCH - 100 AMP SWITCH / 3 POLE CIRCUIT BREAKER - MOLDED CASE TYPE

90 AMP TRIP / # OF POLES LT = LONG TIME SETTING ST = SHORT TIME SETTING I = INSTANTANEOUS SETTING

DIGITAL MULTIMETER 400/5 CURRENT TRANSFORMER NUMBER AND RATIO AS INDICATED

COMBINATION MOTOR CONTROLLER AND FUSED DISCONNECT 100/90/3 SWITCH; SWITCH AMPS / FUSE AMPS / # OF POLES. →**→**□□+-VOLTAGE RATING & STARTER SIZE AS REQUIRED

COMBINATION MOTOR CONTROLLER AND CIRCUIT BREAKER TRIP AMPS / # OF POLES, VOLTAGE RATING & STARTER SIZE AS REQUIRED

SIGNAL INITIATING DEVICE & ACTIVATION **SWITCH** 

SMOKE DETECTOR/SENSOR, 'XX' DENOTES TYPE: AS = AIR SAMPLINGP = PHOTOELECTRICI = IONIZATIONR = RELAY BASESS = SINGLE STATION SB = SOUNDER BASE

ID = IN DUCT

NOTIFICATION APPLIANCE

NOTIFICATION APPLIANCE SUBSCRIPTS ('XX') WP = WEATHERPROOFWG = WIRE GUARDH = HIGH AUDIBLE SETTINGL = LOW AUDIBLE SETTINGC = CEILING MOUNT

nW = WATTAGE SETTING (n = SPEAKER TAP)P = PENDENTSL = SIGNAL LIGHT RI = REMOTE INDICATOR

CD = CANDELA RATING/SETTING C = CEILING MOUNTREMOTE INDICATOR - WALL MOUNT REMOTE ALARM INDICATING AND TEST SWITCH

REMOTE INDICATOR - CEILING MOUNT

COMBINATION SPEAKER/VISIBLE

RELATED EQUIPMENT

DOOR HOLDER JUNCTION BOX

VOICE/DATA/P.A.

VOICE & DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING #/# = # OF VOICE JACKS / # OF DATA JACKS

VOICE OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING P = PUBLICF = FAXW = WALL MOUNTED 48"AFF

DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING # = NUMBER OF JACKS TELEVISION OUTLET LOCATION WITH 3/4" CONDUIT

TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST

# = NUMBER OF JACKS

**HEALTHCARE SYMBOLS** 

NURSE CALL DUTY STATION NURSE CALL STAFF STATION NURSE CALL CODE BLUE STATION NURSE CALL CORRIDOR LAMP, WALL MOUNTED

ACCESSIBLE CEILING

MISCELLANEOUS SYMBOLS

EMERGENCY POWER OFF BUTTON EQUIPMENT DESIGNATION. REFER TO EQUIPMENT VENDOR

C = CEILING MOUNTED

# = NUMBER OF LAMP SECTIONS

DRAWINGS FOR ADDITIONAL INFORMATION

SHUNT TRIP DEVICE FOR ENCLOSED CIRCUIT BREAKER

**DEMOLITION SYMBOLS** <u>DEIMOLI</u>

EXISTING TO REMAIN (EN) EXISTING TO BE REPLACED WITH NEW (ER) EXISTING TO BE REMOVED AND CIRCUIT PULLED BACK TO NEXT ACTIVE DEVICE/BACK TO PANELBOARD. EXISTING TO BE REMOVED AND RELOCATED AS SHOWN ON DRAWINGS. CUT BACK AND/OR EXTEND EXISTING BRANCH CIRCUIT WIRING AND CONDUIT AS REQUIRED SO AS TO PROVIDE A COMPLETE OPERATIONAL INSTALLATION. NEW

(RE) RELOCATED EXISTING

<u>EXAMPLE</u>

**ABBREVIATIONS** 

SPECIAL MOUNTING HEIGHT.

COORDINATE LOCATION WITH

ARCHITECTURAL ELEVATIONS

ABOVE FINISHED FLOOR

AMPERE INTERRUPTING

AMERICAN WIRE GAUGE

AUTOMATIC TRANSFER SWITCH

SINGLE POLE

TWO POLE

**AMPERE** 

CAPACITY

BUILDING

CABINET

CONDUIT

CIRCUIT

CEILING

CONTROL

CONNECTED

COPPER

DEGREE

DIAMETER

DIVISION

DRAWING

ELECTRICAL

**EMERGENCY** 

EQUIPMENT

RELOCATED

FIRE ALARM

EXISTING

FEEDER

FIXTURE

FLOOR

FLEXIBLE

GROUND

GENERATOR

HORSE POWER

INCANDESCENT

KILOVOLT

KILOWATT

LIGHTING

MANHOLE

MOUNTED

NEUTRAL

MAIN LUG ONLY

NORMALLY CLOSED

NOT IN CONTRACT

NORMALLY OPEN

RELOCATED EXISTING

EXISTING TO BE REMOVED AND RETURN TO OWNER

UNLESS OTHERWISE NOTED

NOT TO SCALE

POLE

PULL BOX

PHASE

PANEL

POWER

RECEPTACLE

SCHEDULE

SPEAKER

SWITCH

SYSTEMS

TRANSF,XFMR TRANSFORMER

SPECIFICATION

VOLT OR VOLTAGE

RECEPT, REC

SCHED,SCH

SPEC SPKR

SYS

JUNCTION BOX

KILOVOLT AMPERE

KILOWATT HOUR

MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER

MAIN DISTRIBUTION PANEL

ISOLATED GROUND

HERTZ

FLUORESCENT

EACH

DOWN

DISCONNECT

CONTINUATION

DEGREE CELSIUS

DEGREE FAHRENHEIT

DISTRIBUTION PANEL BOARD

EXISTING TO REMAIN

ELECTRICAL CONTRACTOR

EXISTING TO BE REMOVED

EXISTING TO BE REMOVED &

FIRE ALARM CONTROL PANEL

GROUND FAULT INTERRUPTER

THOUSAND CIRCULAR MILS

FIRE ALARM ANNUNCIATOR

FULL LOAD AMPERES

CIRCUIT BREAKER

CLOSED CIRCUIT TELEVISION

BLDG

CAB

CCTV

CKT

CONN

ELEC

**EQUIP** 

(ERR)

EXIST, EX

FA

FIXT

FLEX

GEN

MCB

**FLUOR** 

(ER)

THREE POLE

ELECTRICAL DEMOLITION NOTES 1. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS AND RELOCATIONS OF ELECTRICAL WORK AS DESCRIBED IN THE SPECIFICATIONS WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.

2. THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING ELECTRICAL WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL AND ELECTRICAL LAYOUTS IN FULL COORDINATION WITH THE ARCHITECT'S DEMOLITION PLANS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE DE-ENERGIZED AND DISCONNECTED AT THE SOURCE OF POWER SUPPLY.

3. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE WITH FUNCTIONING ELECTRICAL SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.

4. DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER. THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.

THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL OUTLETS, SWITCHES AND OTHER DEVICES, COMPLETE WITH ASSOCIATED WIRING, CONDUITS, ETC., FROM PARTITIONS THAT ARE TO BE REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING WIRING THAT IS TO REMAIN, THE CONTRACTOR SHALL INSTALL JUNCTION BOXES AND OTHER DEVICES AND PROVIDE BYPASS CONNECTIONS NECESSARY TO MAKE CIRCUITS AFFECTED CONTINUOUS AND READY FOR OPERATION. OTHERWISE, WIRING SHALL BE REMOVED BACK TO THE NEAREST ELECTRICAL JUNCTION BOX THAT IS TO REMAIN OR TO PANELBOARD.

6. ALL RACEWAYS WHICH BECOME EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND REROUTED CONCEALED BEHIND FINISHED SURFACES.

7. ALL UNUSED OUTLET BOXES OR CAPPED FLOOR OUTLETS SHALL BE PROVIDED WITH MATCHING BLANK COVERS.

8. EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT THE BRANCH CIRCUIT WIRING CHANGES.

9. PORTIONS OF FEEDER RUNS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ENERGIZED. SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECTS, CABLE TYPE, CONDUCTOR AMPACITY, CONDUIT SIZES, ETC.

10. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS. THE CONTRACTOR SHALL FOLLOW CLOSELY THE ARCHITECT'S DEMOLITION AND PHASING SCHEDULE AND PROCEED IN THE SPECIFIED SEQUENCE.

11. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE ELECTRICAL CONTRACTOR, AS DIRECTED BY THE OWNER.

12. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.

13. THE SHUTDOWN OF EXISTING BUILDING ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

ELECTRICAL GENERAL NOTES

1. GENERAL NOTES, SYMBOL LIST AND DETAILS ARE APPLICABLE TO ALL ELECTRICAL DRAWINGS.

2. ALL WORK IS NEW UNLESS OTHERWISE NOTED.

3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE CONDITIONS. MAINTAIN HEADROOM AND SPACE CONDITIONS.

SECURE ALL SUPPORTS TO BUILDING STRUCTURE UTILIZING TOGGLE BOLTS (HOLLOW MASONRY). EXPANSION SHIELDS OR INSERTS (CONCRETE AND BRICK), MACHINE SCREWS (METAL), BEAM CLAMPS (FRAMEWORK), WOOD SCREWS (WOOD) OR PAN THRU STRAPS (METAL DECK). NAILS, RAWL PLUGS AND WOOD PLUGS ARE NOT PERMITTED. WHERE REQUIRED BY STRUCTURE, PROVIDE THRU BOLTS AND FISH PLATES. SUPPORT HORIZONTAL RUNS OF METALLIC RACEWAYS NOT MORE THAN 10 FT APART. SUPPORT RACEWAY RISERS AT EACH FLOOR LEVEL. RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.

PASS RACEWAYS OVER WATER, STEAM OR OTHER PIPING WHEN PULL BOXES ARE NOT REQUIRED. NO RACEWAY WITHIN 3 INCHES OF STEAM OR HOT WATER PIPES OR APPLIANCES (EXCEPT PIPE CROSSINGS WHERE RACEWAY SHALL BE AT LEAST 1 INCH FROM PIPE COVERS).

CUT CONDUIT ENDS SQUARE. REAM SMOOTH. PAINT MALE THREAD OF FIELD THREADED RACEWAYS WITH GRAPHITE BASE PIPE COMPOUND. DRAW UP TIGHT WITH RACEWAY COUPLING.

HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED. DO NOT RUN CONDUIT IN PRECAST ROOF SLABS, IN 2 INCH SLABS OR IN TERRAZZO FLOOR FINISH.

LEAVE WIRES WITH SUFFICIENT SLACK TO PERMIT MAKING FINAL CONNECTIONS. RACEWAYS OVER 10 FT LONG IN WHICH WIRING IS NOT INSTALLED: FURNISH

FISH WIRE. 9. SET BOXES SQUARE AND TRUE WITH BUILDING FINISH. ERECT WALL AND SWITCH OUTLETS IN ADVANCE OF FURRING AND FIREPROOFING. SECURE TO

BUILDING STRUCTURE BY ADJUSTABLE STRAP IRONS.

10. VERIFY LOCATIONS OF OUTLETS AND SWITCHES IN FINISHED ROOMS WITH ARCHITECTURAL DRAWINGS OF INTERIOR DETAILS AND FINISH. IN CENTERING OUTLETS AND LOCATING BOXES AND OUTLETS, ALLOW FOR OVERHEAD PIPES, DUCTS AND MECHANICAL EQUIPMENT, VARIATIONS IN FIREPROOFING AND PLASTERING, WINDOW AND DOOR TRIM, PANELING, HUNG CEILINGS AND THE LIKE. CORRECT ANY INACCURACY RESULTING FROM FAILURE TO DO SO WITHOUT EXPENSE TO OWNER.

11. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. COORDINATE WITH ARCHITECT AND INSTALL SWITCH ON SIDE OPPOSITE HINGE. VERIFY FINAL HINGE LOCATIONS IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.

12. COVERS OF JUNCTION AND PULLBOXES SHALL BE READILY ACCESSIBLE.

13. PROVIDE PULLBOXES WHERE INDICATED, WHERE REQUIRED BY CODE AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE. COORDINATE PULLBOX LOCATIONS WITH OTHER TRADES.

14. EMPTY RACEWAY RUNS: PROVIDE PULLBOXES EVERY 100 FT AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.

15. JUNCTION AND PULLBOXES: LOCATE GENERALLY NOT EXPOSED IN FINISHED SPACES. WHERE NECESSARY, REROUTE RACEWAYS OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT.

16. SUPPORT PANEL, JUNCTION AND PULLBOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.

17. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO

18. CONNECT CONDUIT TO MOTOR CONDUIT TERMINAL BOXES WITH FLEXIBLE CONDUIT (MINIMUM 18 IN. LENGTH AND 50% SLACK). DO NOT TERMINATE IN OR FASTEN RACEWAYS TO MOTOR FOUNDATION.

19. PROVIDE 2#14 INDICATING PILOT LIGHT WIRES FROM PILOT LIGHT IN CONTROLLER TO LOAD SIDE OF DISCONNECT SWITCH. RUN WIRES IN BRANCH CIRCUIT CONDUIT AND INCREASE CONDUIT SIZE AS REQUIRED.

20. PULL NO THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32°F (OC). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY

21. PROVIDE SEPARATE RACEWAYS FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS. COMMON BOXES: PROVIDE BARRIERS BETWEEN EMERGENCY AND NORMAL WIRING.

22. HEIGHTS OF OUTLETS FROM FINISHED FLOOR TO CENTERLINE OF OUTLET:

RECEPTACLES AND TELEPHONES: GENERALLY OVER WORK BENCHES WALL SWITCHES WALL FIXTURES MOTOR CONTROLLERS GONGS AND HORNS FIRE ALARM STATIONS CLOCKS 6'-8" TO BOTTOM STROBE LIGHTS

EXCEPTIONS: AT JUNCTION OF DIFFERENT WALL FINISH MATERIALS, ON MOLDING OR BREAK IN WALL SURFACE, IN VIOLATION OF CODE REQUIREMENTS, AS NOTED OR DIRECTED.

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND CONFIRMING

ALL MOUNTING HEIGHTS WITH ARCHITECT AND ARCHITECTURAL DRAWINGS. 23. WIRE COLOR CODING: AS PER CODE. WHERE COLOR-CODED CABLE IS NOT AVAILABLE, CERTIFY IN WRITING AND REQUEST PERMISSION FOR OVERLAP COLOR TAPING OF CONDUCTORS (MINIMUM LENGTH 6") IN ACCESSIBLE LOCATIONS. COLOR CODING, ONCE SELECTED, MUST BE USED CONSISTENTLY FOR THE ENTIRE PROJECT.

24. INSTALL NEW WORK AND CONNECT TO EXISTING WORK WITH MINIMUM. INTERFERENCE TO EXISTING FACILITIES. TEMPORARY SHUTDOWNS: ONLY WITH WRITTEN CONSENT OF OWNER. MAINTAIN CONTINUOUS OPERATION OF EXISTING FACILITIES. ALARM AND EMERGENCY SYSTEMS ARE NOT TO BE INTERRUPTED.

25. FIRESTOPPING SHALL BE INSTALLED WHENEVER WIRING OR RACEWAYS CROSS FIRE RATED CONSTRUCTION.

26. LIGHTING FIXTURE SCHEDULE STANDARD NOTE: LIGHTING FIXTURE SCHEDULE SHOWN ON ENGINEER'S DRAWINGS ARE FOR INFORMATION PURPOSES ONLY. LIGHTING FIXTURES SHOWN ARE THOSE SELECTED BY ARCHITECT. ENGINEER SHALL NOT BE RESPONSIBLE FOR INFORMATION SHOWN RELATED TO FIXTURE SELECTION AND OVERALL LIGHTING DESIGN. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.

ELECTRICAL DRAWING INDEX DRAWING NO. I DRAWING TITLE E-000 ELECTRICAL COVER SHEET ELECTRICAL 8TH FLOOR LIGHTING & POWER DEMOLITION PLANS ELECTRICAL 8TH FLOOR LIGHTING PLAN ELECTRICAL 8TH FLOOR POWER PLAN E-400 | ELECTRICAL 8TH FLOOR FIRE ALARM PLANS E-500 | ELECTRICAL 8TH FLOOR NURSE CALL PLANS ELECTRICAL SCHEDULES & RISER DIAGRAMS ELECTRICAL SPECIFICATIONS ELECTRICAL SPECIFICATIONS

225 Franklin Street, Suite 1100 Boston, MA 02110 t 617.478.0300 f 617.478.0321

www.perkinswill.com

**AKF Group, LLC** 99 Bedford Street, 2nd Floor Boston, MA 02111 t 617.737.1111 f 617.737.4311

CONSULTANTS

MARK F. RATTENBURY No. 9122 ELECTRICAL CENSES PROJECT

MMC Cath Lab 4 22 Bramhall Street Portland, ME 04102



Maine Medical Center 22 Bramhall Street Portland, ME 04102

**KEYPLAN** 



TRUE NORTH

**ISSUE FOR BID** 

01/15/2016

**ISSUE CHART** 

NO	ISSUE	DATE
Job Number		B150268-000
Checked		MFR
Approve	ed	MFR

**ELECTRICAL COVER SHEET** 

SHEET NUMBER

E-000