CR

SIMILAR TO ABOVE, EXCEPT WIRED CRITICAL POWER CIRCUIT

'A' = FIXTURE TYPE

'A' = FIXTURE TYPE

'a' = CONTROLLED BY SWITCH 'a'

'a' = CONTROLLED BY SWITCH 'a' FLUORESCENT STRIP FIXTURE-TYPE AS NOTED 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' EM = EMERGENCY BACKUP

RECESSED CEILING MOUNTED FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a' SIMILAR TO ABOVE, EXCEPT WIRED TO LIFE SAFETY CIRCUIT

UNDERCABINET LIGHT FIXTURE

'A' = FIXTURE TYPE

'A' = FIXTURE TYPE

WALL MOUNTED LIGHT FIXTURE 'A' = FIXTURE TYPE 'a' = CONTROLLED BY SWITCH 'a'

SIMILAR TO ABOVE, EXCEPT WIRED TO LIFE SAFETY CIRCUIT 'A' = FIXTURE TYPE

ACCENT LIGHT OR WALL WASHER

'a' = CONTROLLED BY SWITCH 'a' SIMILAR TO ABOVE, EXCEPT WIRED TO LIFE SAFETY CIRCUIT 'A' = FIXTURE TYPE

CEILING MOUNTED EXIT LIGHT; TYPE 'X' - DIRECTIONAL

ARROWS WHERE INDICATED - SHADED AREAS INDICATE

'A' = FIXTURE TYPE

ILLUMINATED FACE/FACES WALL MOUNTED EXIT LIGHT; TYPE 'X' - DIRECTIONAL ARROWS WHERE INDICATED - SHADED AREAS INDICATE ILLUMINATED FACE/FACES

POWER SYMBOLS

SINGLE POLE SWITCH 2 = DOUBLE POLI 3 = THREE-WAY 4 = FOUR-WAY a = CONTROLLING OUTLET 'a D = DOORK = KEY OPERATED MO = MOMENTARY CONTACT T = TIME SWITCH P = PILOT LIGHT

DISCONNECT SWITCH - TOGGLE TYPE MOTOR RATED, 20A, 1P, U.O.N. PROVIDE LUTRON DIVA SERIES FOR ALL 0-10V APPLICATIONS

"3" = 3 WAY DIMMER (----) OCCUPANCY SENSOR, CEILING MOUNTED OCCUPANCY SENSOR, WALL MOUNTED

PHOTO CONTROL SWITCH TRANSFORMER

20A, 125V DUPLEX RECEPTACLE - FLUSH WALL MOUNTED TP = TAMPER PROOF XP = EXPLOSION PROOF CR = WIRED TO CRITICAL POWER SYSTEM PX = CONNECTION TO PYXIS MACHINE CC = CONNECTION TO CRASH CAR' TV = CONNECTION TO TELEVISION MN = CONNECTION TO MONITOR

TO = CONNECTION TO TOASTER OVEN REF = CONNECTION TO REFRIGERATOR UCR = CONNECTION TO UNDERCOUNTER REFRIGERATOR MIC = CONNECTION TO MICROWAVE COFF = CONNECTION TO COFFEE MAKER

20A, 125V QUADRUPLEX RECEPTACLE - FLUSH WALL MOUNTED 20A, 125V DUPLEX RECEPTACLE FLUSH WALL MOUNTED.

SINGLE RECEPTACLE - FLUSH WALL MOUNTED WC = WATER COOLER XR = X-RAY

SPECIAL PURPOSE RECEPTACLE - FLUSH WALL MOUNTED A = INDICATES TYPE

PREWIRED SURFACE METAL RACEWAY - LETTERS INDICATES TYPE PROVIDE SPECIAL PURPOSE RECEPTACLES & DATA OUTLETS WHERE INDICATED AL1 = WIREMOLD MODEL #ALA3800 WITH RECEPTACLES 24" O.C. AL2 = WIREMOLD MODEL #ALA4800 WITH RECEPTACLES 24" O.C. GFI = PROVIDED WITH GFI TYPE RECEPTACLES

ARCHITECT) OR APPROVED EQUAL

FLUSH FLOOR MOUNTED MULTI-SERVICE FIRE RATED POKE-THRU

TEL/DATA DEVICES, HUBBELL #S1PTAVFIT WITH #S1SP FACE PLATE (FINISH BY

WITH (4) 20A-125V RECEPTACLES AND (4) PROVISIONS FOR

PEDESTAL MOUNTED 20A, 125V DUPLEX RECEPTACLE PEDESTAL MOUNTED 20A, 125V QUADRUPLEX RECEPTACLE PEDESTAL MOUNTED JUNCTION BOX OR POKE-THRU FOR ELECTRIFIED FURNITURE POWER FEED. PEDESTAL MOUNTED SPECIAL PURPOSE RECEPTACLE LETTER INDICATES TYPE HOMERUN-NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY. 2#12+1#12G-3/4"C FOR ONE CKT. HOMERUN, U.O.N. 4#12+1#12G-3/4"C FOR TWO CKT. HOMERUN, U.O.N. 6#12+1#12G-3/4"C FOR THREE CKT. HOMERUN, U.O.N HOMERUN - NUMERAL WHERE USED INDICATES CIRCUIT NUMBER FOR REFERENCE ONLY

MOTOR CONTROLLER COMBINATION MOTOR CONTROLLER AND DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED

UNFUSED DISCONNECT SWITCH SWITCH AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED FUSED DISCONNECT SWITCH: SWITCH AMPS/FUSE AMPS/ # OF POLES, VOLTAGE RATING AS REQUIRED ENCLOSED CIRCUIT BREAKER TRIP AMPS/# OF POLES, VOLTAGE RATING AS REQUIRED

SURFACE MOUNTED LIGHTING PANELBOARD FLUSH MOUNTED LIGHTING PANELBOARD SURFACE MOUNTED POWER PANELBOARD ///// FLUSH MOUNTED POWER PANELBOARD SURFACE MOUNTED POWER DISTRIBUTION PANELBOARD

CEILING MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION FLUSH WALL MOUNTED JUNCTION BOX WITH FINAL EQUIPMENT CONNECTION FLUSH FLOOR MOUNTED JUNCTION BOX

CONNECTION TO AUTOMATIC DOOR CONNECTION TO PNEUMATIC TUBE STATION CONNECTION TO FIRE/SMOKE DAMPER CONNECTION TO AUTOMATIC TEMPERATURE CONTROL

POWER POLI EXISTING CONDUIT TO BE REMOVED EXISTING CONDUIT/EQUIPMENT TO REMAIN

NEW CONCEALED CONDUIT NEW EXPOSED CONDUIT NEW UNDERGROUND/IN SLAB CONDUIT CONDUIT TURNING UP

CONDUIT TURNING DOWN CONDUIT STUB-UP WITH FLEXIBLE EQUIPMENT CONNECTION

FLEXIBLE EQUIPMENT CONNECTION CAPPED CONDUIT

SINGLE LINE DIAGRAM SYMBOLS

POWER TRANSFORMER VOLTAGES, WINDINGS AND SIZE AS INDICATED AUTOMATIC TRANSFER SWITCH ATS = AUTOMATIC TRANSFER MTS = MANUAL TRANSFER POLES AND RATING AS NOTED

MOTOR **GENERATOR** GROUND CONNECTION DIGITAL MULTIMETER

FIRE ALARM SYSTEM CEILING MOUNTED SPACE SMOKE DETECTOR E = FOR ELEVATOR RECALL

REMOTE SPACE SMOKE DETECTOR ALARM LIGHT - WALL MOUNTED DUCT SMOKE DETECTOR THERMAL DETECTOR RATE-OF-RISE F = FIXED TEMPERATURE SPRINKLER WATER FLOW SWITCH

SPRINKLER TAMPER SWITCH SPRINKLER PRESSURE SWITCH MOTORIZED SMOKE DAMPER, FBO

FIRE ALARM PULL STATION

NURSE CALLTELEVISION RELAY (COORDINATE ALL REQUIREMENTS WITH TELEVISION MANUFACTURER AND NURSE CALL VENDOR) NURSE CALL SPEAKER, RAULAND-BORG #ACC1403 WITH ACC1101 BACK BOX AND #ACC1104 SUPPORT

90° BEND 6" INTO ACCESSIBLE CEILING

FM = FETAL MONITOR

NURSE CALL 35 PIN CONNECTOR.

COMBINATION FIRE ALARM SPEAKER AND STROBE

FIRE ALARM SPEAKER - FLUSH WALL MOUNTED

FIRE ALARM HORN - FLUSH WALL MOUNTED

COMBINATION FIRE ALARM HORN AND STROBE LIGHT

LIGHT UNIT - FLUSH WALL MOUNTED

C = CEILING MOUNTED

UNIT - FLUSH WALL MOUNTED

C = CEILING MOUNTED

FIRE ALARM MONITOR MODULE

FIRE ALARM CONTROL MODULE

ELEVATOR RECALL TIE-IN POINT

ELECTROMAGNETIC DOOR RELEASE

FIRE ALARM ANNUNCIATOR PANEL

FIRE ALARM CONTROL PANEL

D = DUAL HORN

D = DUAL HORN

P = PUBLIC

VOICE/DATA/P.A. SYMBOLS

HEALTHCARE SYMBOLS

FLUSH WALL MOUNTED STROBE LIGHT UNIT

WALL MOUNTED PUBLIC ADDRESS SPEAKER

CEILING MOUNTED PUBLIC ADDRESS SPEAKER

VOICE & DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED

IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING

VOICE OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED

IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING

DATA OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED

IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING

IN A 90 DEG. BEND 6" INTO NEAREST ACCESSIBLE CEILING

PEDESTAL MOUNTED VOICE OUTLET

PEDESTAL MOUNTED DATA OUTLET

VOICE OUTLET - FLUSH FLOOR MOUNTED

DATA OUTLET - FLUSH FLOOR MOUNTED

PEDESTAL MOUNTED DATA AND VOICE OUTLET

CARD READER LOCATION WITH 3/4" CONDUIT

S = SLAVE STATION

WITH #GEN4 PILOW SPEAKER

RAULAND-BORG #R4K14SA

S = GASKETED SHOWER STATION

BORG #R4KPB22

F = FLUSH WALL MOUNTED

CLG = CEILING MOUNTED

CORRIDOR LAMPS.

TERMINATED IN A 90 DEG. BEND 6" INTO NEAREST

NURSE CALL MASTER STATION, RAULAND-BORG #R4K4020

NURSE CALL PATIENT STATION, RAULAND-BORG #R4K12A

SA = COMBINED PATIENT STATION AND STAFF ASSIST

NURSE CALL PATIENT STATION (2 BED), RAULAND-BORG #R4K23VA

NURSE CALL EMERGENCY STATION, RAULAND-BORG #R4KPB11

NURSE CALL LAVATORY STATION, RAULAND-BORG #R4KPC10

NURSE CALL STAFF ASSIST STATION, RAULAND-BORG #R4KPB11

NURSE CALL CODE BLUE STATION, RAULAND-BORG #R4KCB12

SA = COMBINATION CODE BLUE & STAFF ASSIST, RAULAND-

NURSE CALL CORRIDOR LAMP, WALL MOUNTED, RAULAND-BORG #CLA244

NURSE CALL EQUIPMENT CABINET-SURFACE MOUNTED

NURSE CALL ZONE LAMP, WALL MOUNTED, NUMBER OF

NURSE CALL ZONE LAMP, CEILING MOUNTED, NUMBER OF

PHYSIOLOGICAL MONITORING - COMBINATION POWER/SIGNAL 2 GANG PARTITIONED WALLBOX WITH A DUPLEX RECEPTACLE

AND 3/4"C (1.5"C AT NURSE'S STATION) TERMINATED IN A

LIGHTING MANUFACTURER AND NURSE CALL VENDOR)

LAMP SECTIONS EQUAL TO NUMBER OF COLORS IN ASSOCIATED

LAMP SECTIONS EQUAL TO NUMBER OF COLORS IN ASSOCIATED

NURSE CALL LIGHTING RELAY (COORDINATE ALL REQUIREMENTS WITH

NURSE CALL DUTY STATION, RAULAND-BORG #R4KDY

DATA AND VOICE OUTLET - FLUSH FLOOR MOUNTED

TELEVISION OUTLET LOCATION WITH 3/4" CONDUIT TERMINATED

DOOR HOLDERS

ELECTRICAL ABBREVIATIONS

SPECIAL MOUNTING HEIGHT. COORDINATE LOCATION WITH KVA ARCHITECTURAL ELEVATIONS KILOWATT SINGLE POLE KILOWATT HOUR TWO POLE THREE POLE LOCAL CONTROL PANEL LINE ISOLATION MONITOR AMPERE LIGHTING ABOVE COUNTER AIR CIRCUIT BREAKER MECHANICAL ALARM PANEL ABOVE FINISHED FLOOR MAXIMUM AMPERE INTERRUPTING CAPACITY MINIMUM CIRCUIT AMPERES ALUMINUM MCB MAIN CIRCUIT BREAKER ALARM MCC MOTOR CONTROL CENTER AMMETER MAIN DISTRIBUTION PANEL AQUASTAT MECH MECHANICAL ABOVE RAISED FLOOR MECHANICAL EQUIPMENT ROOM ASYMMETRICAL ASYM MAIN FUSED SWITCH AUTOMATIC TRANSFER SWITCH MANHOLE AUTO AUTOMATIC MICROPHONE AUDIO VISUAL MINIMUM AMERICAN WIRE GAUGE MAIN LUG ONLY MOPD.MOCP MAXIMUM OVERCURRENT PROTECTION BREAK GLASS SWITCH MTD MOUNTED BASIC IMPULSE LEVEL MOUNTING BLDG BUILDING MANUAL TRANSFER SWITCH MUFS MAIN UNFUSED SWITCH CONDUIT CABINET NEUTRAL CATALOG NOT IN CONTRACT CIRCUIT BREAKER NORMALLY CLOSED CCTV CLOSED CIRCUIT TELEVISION NORMALLY OPEN CIRCUIT NETWORK PROTECTOR CENTER LINE NTS NOT TO SCALE CEILING CLOS CLOSET ON CENTER CONDUIT ONLY OCB OIL CIRCUIT BREAKER COMM COMMUNICATION OUTSIDE DIAMETER CONNECTED CONN CONT CONTINUATION POLE CURRENT TRANSFORMER PUBLIC ADDRESS CONTROL PLUMBING ALARM PANEL COPPER PULL BOX CABINET UNIT HEATER PUSH BUTTON SWITCH PIPE HEATING CABLE DECIBEL DOUBLE ENDED SUBSTATION PRINTER DEGREE PRESSURE SWITCH

DEG DRINKING FOUNTAIN DIAMETER DISCONNECT DIVISION DOWN DISTRIBUTION PANEL BOARD DUST TIGHT DRAWING DEGREE CELSIUS DEGREE FAHRENHEIT

EXISTING TO REMAIN EXISTING TO BE REMOVED EXISTING TO BE REMOVED AND RELOCATED EMPTY CONDUIT ELECTRICAL CONTRACTOR ELEVATION ELECTRICAL ELEC ELEV **ELEVATOR**

EMER, EM **EQUIP** ERC EXIST, EX EXT

ATS

EXTERIOR FACP FFFDFR FDS FIXT FIXTURE FLEXIBLE **FLUOR**

FREEZER GROUND GEN

FAN SHUTDOWN PANE; FEET OR FOOT **GENERATOR** HUNG CEILING HAND HOLE HALF NEUTRAL HORSE POWER HIGH VOLTAGE HERTZ

INSIDE DIAMETER ISOLATED GROUND INCAND INCANDESCENT INSTRUMENT

JUNCTION BOX KCMIL THOUSAND CIRCULAR MILS KILOVOLT

DEMOLITION LEGEND (NOT ALL ABBREVIATIONS ARE NECESSARILY USED ON THIS PROJECT) **EXISTING TO REMAIN** EXISTING TO BE REMOVED

EXISTING TO BE REMOVED & RELOCATED NEW RELOCATED EXISTING EXISTING TO BE REMOVED AND RETURN TO OWNER (ER) (ERR) (N) (RE) (RRO)

(EK)
EXISTING LIGHTING

TO BE REMOVED

KILOVOLT AMPERE

RELOCATED EXISTING

RECEPTACLE

REQUIRED

ROOM

REFRIGERATOR

RAISED FLOOR

RACEWAY ONLY

SUBSTATION

SMOKE DETECTOR

SCHEDULE

SECTION

SIGNAL

SOLID NEUTRAL

SINGLE POLE

SPRINKLER

SPEAKER

SWITCH

SPECIFICATION

SOLENOID VALVE

SWITCHBOARD

SWITCHGEAR

SYMMETRICAL

TROUBLE BELL

TELEPHONE

TEMPERATURE

THERMOSTAT

TERMINAL BOARD

TAMPER PROOF

TRANSFORMER

TELEVISION

UNIT HEATER

UNFUSED

TYPICAL

TAMPER SWITCH

UNDERFLOOR DUCT

VOLT OR VOLTAGE

VOLT AMPERE

VAPORPROOF

VOLTMETER

WATERFLOW SWITCH

WATT HOUR METER

EXPLOSION PROOF

WEATHERPROOF

WATERTIGHT

WATT

UNLESS OTHERWISE NOTED

VARIABLE FREQUENCY DRIVE

TRANSIENT VOLTAGE SURGE SUPPRESSION

TO BE DETERMINED

SYSTEMS

ROOM GROUND POIN

REFERENCE GROUND POINT

SPRINKLER ALARM PANEL

SMOKE DETECTION PANEL

SINGLE ENDED SUBSTATION

REMOTE CONTROL SWITCH

REMOTE DATA COLLECTION PANEL

(RRO)

RDCP

RECEPT, REC

SCHED, SCH

SECT

SPKLR

SPKR

SWGR

SYM

TEMP

THERM

TLBD

UFD

UNF

TRANSF,XFMR

EXISTING TO BE REMOVED AND RETURN TO OWNER

POTENTIAL TRANSFORMER POWER PHASE

EMERGENCY EQUIPMENT ELECTRIC REHEAT COIL ELECTRIC WATER COOLER

FIRE ALARM FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL FURNISHED BY OTHER DIVISION OF WORK FAN COIL UNIT

FUSED DISCONNECT SWITCH FULL LOAD AMPERES

FLUORESCENT FLOOR MACHINE GROUND FAULT INTERRUPTER

HIGH INTENSITY DISCHARGE

INTERRUPTING CAPACITY

ISOLATED POWER CENTER ISOLATED POWER CENTER X-RAY

ELECTRICAL DRAWING LIST ELECTRICAL COVER SHEET ELECTRICAL RISER DIAGRAMS AND SCHEDULES **ELECTRICAL SPECIFICATIONS** ELECTRICAL SPECIFICATIONS ELECTRICAL FLOOR PLAN LEVEL 6 - DEMOLITION LIGHTING ELECTRICAL FLOOR PLAN LEVEL 6 - DEMOLITION POWER ELECTRICAL FLOOR PLAN LEVEL 6 - LIGHTING ELECTRICAL FLOOR PLAN LEVEL 6 - POWER

ELECTRICAL FLOOR PLAN LEVEL 6 - FIRE ALARM

ELECTRICAL FLOOR PLAN LEVEL 6 - NURSE CALL

ELECTRICAL GENERAL NOTES

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

ALL WORK IS NEW UNLESS OTHERWISE NOTED.

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.

4. 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.

5. 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).

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

7. HORIZONTAL OR CROSS RUNS IN PARTITIONS AND WALLS ARE NOT PERMITTED. DO NOT RUN CONDUIT IN

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

PRECAST ROOF SLABS, IN 2 INCH SLABS OR IN TERRAZZO FLOOR FINISH.

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 INSTALLATION.

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 (0C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.

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 STROBE LIGHTS 6'-8" TO BOTTOM (OR 6" BELOW CEILING, WHICH EVER IS LOWER) 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

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

27. TO THE BEST OF THE APPLICANT'S KNOWLEDGE, BELIEF AND PROFESSIONAL. JUDGEMENT, THESE PLANS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE.

ELECTRICAL DEMOLITION NOTES

 THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH REMOVALS & 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

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.

5. 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 & 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

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

8. EXISTING PANEL DIRECTORIES AFFECTED BY THE ALTERATION WORK SHALL BE MODIFIED TO REFLECT

THE BRANCH CIRCUIT WIRING CHANGES. 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.

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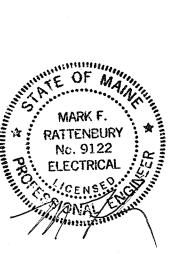
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