

GENERAL ELECTRICAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF NATIONAL ELECTRICAL CODE AND ALL LOCAL COUNTY CODES AND AMENDMENTS. WIRING METHODS SHALL BE IN ACCORDANCE WITH THE N.E.C., LOCAL CODES AND STANDARDS. THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES AND PERMITS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT.
- ALL WIRING SHALL BE COPPER, #12 AWG MINIMUM, TYPE THW OR THHN INSULATION, INSTALLED IN CONDUIT (1/2" MINIMUM), NO ROMEX OR BX CABLE PERMITTED, MC CABLE MAY BE USED, WHERE PERMITTED BY CODE, FOR WORK ABOVE CEILING AND CONCEALED IN WALLS.
- THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON DRAWING OR NOT.
- ALL D.C. WIRING SHALL BE #10 AWG MINIMUM.
- THE WIRE SIZE INDICATED IN THE HOMERUN SHALL BE USED THROUGHOUT THE CIRCUIT.
- GROUND, PHASE AND NEUTRAL CONDUCTORS SHALL BE PIG-TAILED IN OUTLET BOXES OR MULTI-OUTLET ASSEMBLY FOR EACH RECEPTACLE SO THAT GROUND AND ELECTRICAL SERVICE WILL NOT BE DISTURBED TO OTHER RECEPTACLES ON THE SAME MULTI-WIRE CIRCUIT IF RECEPTACLE IS REMOVED. THE GROUNDING TERMINALS OF ALL RECEPTACLES SHALL BE GROUND BY AN INSULATED COPPER CONDUCTOR IN ACCORDANCE WITH TABLE 250.122 N.E.C.
- THE CONTRACTOR SHALL TEST AND BALANCE THE LOADING ON ALL PANELBOARDS AS CLOSELY AS POSSIBLE TO THE SATISFACTION OF THE ENGINEER.
- PROVIDE TYPED CIRCUIT DIRECTORIES FOR ALL PANELBOARDS TO INDICATE TYPE OF LOAD SERVED AND AREA SERVED (E.G. RECEPTACLES-OFFICE 201.) AND NOTE PANELBOARD ORIGINATING POWER SOURCE. REFER TO NEC 408.4(A) AND 408.4(B).
- ALL RECEPTACLES AND JUNCTION BOXES WITH BRANCH CIRCUITING SHALL BE LABELED WITH PANEL DESIGNATION AND CIRCUIT NUMBER. CLEARLY LABEL ON FACE OF COVERPLATE OR PLACE TAG BEHIND COVERPLATE.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHTING FIXTURES AND GRID COORDINATION. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR OR CEILING CONTRACTOR TO INSURE THAT ALL CEILING RECESSED LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHOULD NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.
- ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE.
 - DEVICE AND COVER PLATE FINISHES FOR EMERGENCY CIRCUITS SHALL BE RED.
 - DEVICE AND COVER PLATE FINISHES FOR ISOLATED GROUND CIRCUITS SHALL BE ORANGE.
- ALL PENETRATIONS THRU FIRE RATED WALL ASSEMBLIES SHALL BE PROTECTED WITH AN APPROVED FIRESTOP SYSTEM OR IN ACCORDANCE WITH IBC SECTION 712.3.1 WHERE APPLICABLE.
- SEAL ALL CONDUIT PENETRATIONS THROUGH RATED WALLS AND FLOORS TO MAINTAIN FIRE INTEGRITY. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RATED WALL OR FLOOR LOCATIONS.
- ELECTRICAL CONTRACTOR SHALL USE CONDULET SEALING FITTINGS WITH APPROVED SEALING COMPOUND ON ALL CONDUITS PASSING FROM INTERIOR TO EXTERIOR OF A BUILDING AND WHERE DIFFERING SPACE TEMPERATURES EXIST.
- AFTER FINAL INSTALLATION, ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR FILLING ALL VOIDS AROUND CONDUIT PENETRATIONS AND OTHER CORE DRILLS/OPENINGS IN SLAB WITH FIRE SAFE REMOVABLE MASTIC; FILL SHALL EQUAL FIRE RATING OF THE FLOOR.
- PROVIDE "HOSPITAL" GRADE RECEPTACLES IN ALL "PATIENT CARE" AREAS AS DEFINED PER NEC ARTICLE 517. THIS SHALL INCLUDE EXISTING RECEPTACLES NOTED TO REMAIN THAT ARE LOCATED WITHIN NEW DESIGNATED PATIENT CARE AREAS.
- CONTRACTOR MAY USE "HCF" CABLE IN ALL PATIENT CARE AREAS; METAL CLAD (MC), ROMEX AND AC CABLE ARE NOT PERMITTED IN PATIENT CARE AREAS PER NEC ARTICLE 517. COORDINATE PATIENT CARE AREAS WITH OWNER AND AS DEFINED PER NEC ARTICLE 517. ALL WIRING IN ALL PATIENT CARE AREAS (EXISTING OR NEW) SHALL COMPLY WITH N.E.C. ARTICLE 517.13 (A) & (B).
- GROUNDING SYSTEM IN PATIENT CARE AREAS SHALL BE TESTED IN ACCORDANCE WITH NEC AND NFPA 99 SECTION 6.3.3 PERFORMANCE CRITERIA AND TESTING. SUBMIT FINAL REPORT TO OWNER UPON PROJECT COMPLETION.
- TENANT WILL PROVIDE UNDER SEPARATE CONTRACT (UNLESS OTHERWISE NOTED HERE WITHIN CONTRACT DOCUMENTS) WITH OTHERS, EQUIPMENT AND CABLING FOR TELEPHONE DATA, INTERCOM AND SECURITY SYSTEMS.
- ALL LIGHT FIXTURES TO BE REUSED SHALL BE CLEANED, RELAMPED AND HAVE ANY DEFECTIVE PARTS REPLACED SO THAT FIXTURES OPERATE LIKE NEW CONDITION.

GENERAL DEMOLITION NOTES:

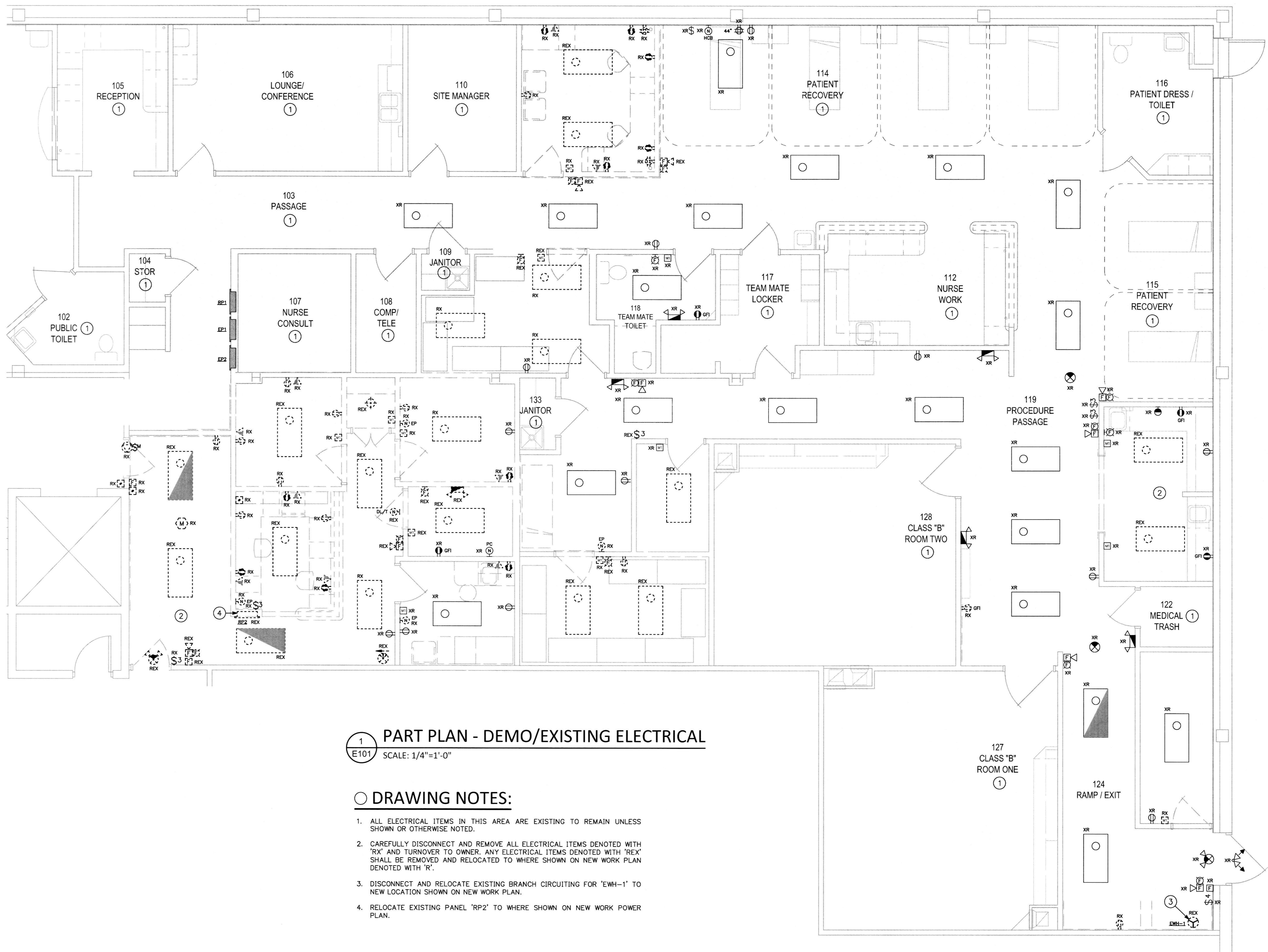
- DISCONNECT AND REMOVE ALL PANELBOARDS, LIGHTS, RECEPTACLES, EMERGENCY BATTERY UNITS, EXIT SIGNS, FIRE ALARM DEVICES, ETC. FROM WITHIN EXISTING SPACE BEING DEMOED, UNLESS OTHERWISE NOTED TO REMAIN ON NEW WORK PLANS.
- REMOVE ALL ASSOCIATED WIRING AND CONDUIT BACK TO SOURCE. COORDINATE WITH LANDLORD ANY OVERLAPPING CIRCUITS OR PANELS THAT NEED TO BE RELOCATED IN ADJACENT TENANT SPACE OR THAT SERVE AN AREA OUTSIDE OF NEW WORK SCOPE. REMOVE ALL ABANDONED POWER AND COMMUNICATION CABLES AND CONDUITS. COORDINATE PATCHING OF ANY VOIDS LEFT IN EXISTING WALLS, ROOF, ETC WITH GENERAL CONTRACTOR FROM REMOVAL OF ELECTRICAL ITEMS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL DEMOLITION WORK THAT'S NECESSARY TO ACCOMPLISH NEW WORK. COORDINATE ALL DEMOLITION WORK WITH ALL ARCHITECTURAL, MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE TO REFERENCE ALL DRAWINGS/ SPECIFICATIONS TO CONFIRM EXTENT OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND UNDERSTANDING EXISTING DRAWINGS PRIOR TO BIDDING.
- ANY DAMAGED WALLS, FLOORS, CEILINGS, ETC. SHALL BE PATCHED AND FINISHED TO MATCH THE EXISTING ADJACENT SURFACES. MAINTAIN EXISTING FIRE RATING WHERE OCCURS AND WHERE POSSIBLE DURING DEMOLITION. REMOVED ITEMS SHALL BE PROPERLY DISPOSED OF OFF SITE AND NOT REUSED EXCEPT AS NOTED. TURN OVER ALL EXISTING EQUIPMENT DESIRED BY BUILDING OWNER TO BUILDING OWNER.
- REMOVE EXISTING CIRCUITS IN PANELS NOT REQUIRED FOR COMPLETED WORK.
- WHEREVER EXISTING ELECTRICAL WORK IS TO BE REMOVED, THE FOLLOWING NOTES SHALL APPLY:
 - UNLESS NOTED OTHERWISE, ALL EXISTING WIRING SHALL BE REMOVED BACK TO ITS SOURCE.
 - ALL EXISTING CONDUIT WHICH IS EXPOSED, OR WHICH BECOMES EXPOSED AT ANY TIME DURING CONSTRUCTION SHALL BE REMOVED IN ITS ENTIRETY. CONDUIT STUBS THROUGH THE FLOOR SHALL BE CUT OFF WITH THE FLOOR SLAB, FILLED WITH CONCRETE, AND MADE READY TO ACCEPT NEW FLOOR FINISHES WHERE APPLICABLE.
 - WHERE EXISTING CONDUIT STUBS THROUGH THE ROOF ARE NO LONGER REQUIRED, AND OCCUR IN AREAS WHERE THE EXISTING ROOF IS TO REMAIN, THE CONDUIT SHALL BE CUT OFF 6" ABOVE AND BELOW THE ROOF, FILLED WITH EXPANDABLE FOAM SEALANT (LOW CORNING SILICONE RTV OR APPROVED EQUAL). THE CONDUIT SHALL THEN BE CAPPED ABOVE THE ROOF AND MADE COMPLETELY WATERTIGHT.
 - WHEREVER EXISTING FLUSH MOUNTED BOXES WILL REMAIN EXPOSED, FURNISH AND INSTALL BLANK COVERPLATES ON THE EXISTING OUTLET BOXES. MATCH EXISTING COVERPLATE COLOR OR AS DIRECTED BY ARCHITECT OR OWNER.
 - ALL EXISTING TELEPHONE WIRING AND EQUIPMENT SHALL BE DISCONNECTED AND REMOVED. COORDINATE DEMOLITION WITH TELEPHONE.

ABBREVIATIONS LIST

AFF	=	ABOVE FINISHED FLOOR
AHU	=	AUTHORITY HAVING JURISDICTION
AHU	=	AIR HANDLING UNIT
BMS	=	BUILDING MANAGEMENT SYSTEM
CJ	=	CONDENSING UNIT
C, CDT	=	CONDUIT
CH	=	COUNTER HEIGHT
CJH	=	CABINET UNIT HEATER
DN	=	DOWN
DWG	=	DRAWING
EF	=	EXHAUST FAN
EG	=	EQUIPMENT GROUND
EW	=	ELECTRIC WALL HEATER
EWC	=	ELECTRIC WATER COOLER
EUH	=	ELECTRIC UNIT HEATER
FCU	=	FAN COIL UNIT
GRD	=	GROUND
GFI	=	GROUND FAULT INTERRUPTER
MCA	=	MINIMUM CIRCUIT AMPS
MOP	=	MAXIMUM OVERCURRENT PROTECTION
HP	=	HORSEPOWER/ HEAT PUMP
IG	=	ISOLATED GROUND
MH	=	MOUNTING HEIGHT
MTD	=	MOUNTED
NL	=	NIGHT LIGHT
R	=	RELOCATED ITEM
REX	=	RELOCATE EXISTING
RM	=	REMOVE EXISTING
RTU	=	ROOF TOP UNIT
TC	=	TIME CLOCK
UG	=	UNDERGROUND
UH	=	UNIT HEATER
VAV	=	VARIABLE AIR VOLUME
W/	=	WITH
WH	=	WATER HEATER
WP	=	WEATHERPROOF
WTR	=	TRANSFORMER
XR	=	EXISTING TO REMAIN

ELECTRICAL SYMBOLS LIST

ALL MOUNTING HEIGHTS ARE TO CENTER LINE OF DEVICE ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.	
SYMBOL	DESCRIPTION
	FIXTURE—FLUORESCENT—CEILING, WALL, STRIP
	DENOTES FIXTURE ON NIGHT LIGHT CIRCUIT
	EXIT LIGHT—CEILING, WALL, WITH DIRECTIONAL ARROWS
	EMERGENCY BATTERY UNIT, WALL MOUNTED
	SWITCH—SINGLE POLE, THREEWAY, SUBSCRIPT DENOTES OUTLET CONTROLLED M.H. 4'-0"
	SWITCH—PILOT LIGHT, DIMMER M.H. 4'-0"
	SWITCH—MOTOR RATED
	RECEPTACLE—20A-125 VOLTS—DUPLEX, DOUBLE DUPLEX M.H. 1'-6"
	RECEPTACLE—DUPLEX—COUNTER HEIGHT—20A-125 VOLT
	SPECIAL RECEPTACLE AS NOTED
	JUNCTION BOX
	OUTLET—TELEPHONE — WALL WITH RING AND STRING TO CEILING SPACE M.H. 1'-6" UNLESS OTHERWISE NOTED.
	OUTLET — VOICE/DATA WALL WITH RING AND STRING TO CEILING SPACE M.H. 1'-6"
	PANELBOARD 277/480 VOLTS
	PANELBOARD 120/208 VOLTS
	DISCONNECT SWITCH—UNFUSED, FUSED
	MOTOR—SINGLE PHASE, THREE PHASE, HORSEPOWER AS NOTED
	HEATING ELEMENT—CAPACITY AS NOTED

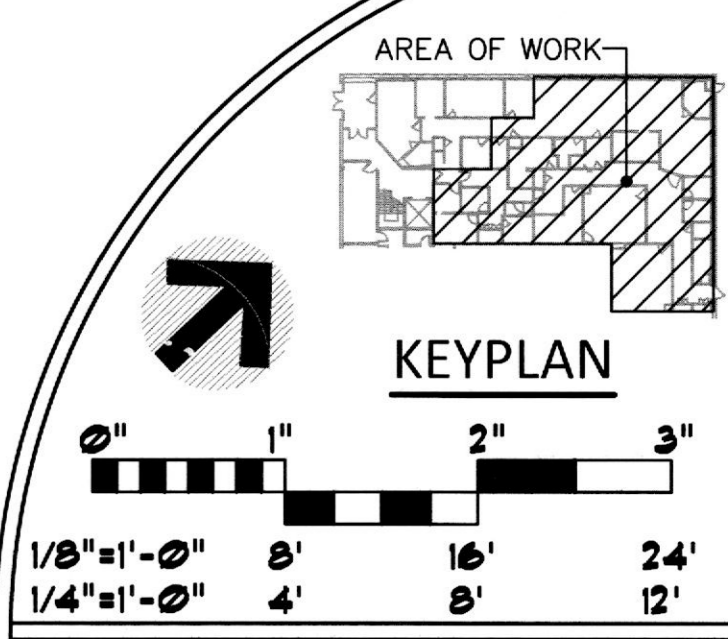


1 PART PLAN - DEMO/EXISTING ELECTRICAL

E101 SCALE: 1/4"=1'-0"

DRAWING NOTES:

- ALL ELECTRICAL ITEMS IN THIS AREA ARE EXISTING TO REMAIN UNLESS SHOWN OR OTHERWISE NOTED.
- CAREFULLY DISCONNECT AND REMOVE ALL ELECTRICAL ITEMS DENOTED WITH "RX" AND TURN OVER TO OWNER. ANY ELECTRICAL ITEMS DENOTED WITH "REX" SHALL BE REMOVED AND RELOCATED TO WHERE SHOWN ON NEW WORK PLAN DENOTED WITH "R".
- DISCONNECT AND RELOCATE EXISTING BRANCH CIRCUITING FOR "EWH-1" TO NEW LOCATION SHOWN ON NEW WORK PLAN.
- RELOCATE EXISTING PANEL "RP2" TO WHERE SHOWN ON NEW WORK POWER PLAN.



GENERAL NOTES, SYMBOLS AND DEMOLITION/EXISTING PART PLAN

REV#	DATE	DESCRIPTION
-	10/20/17	PERMIT SET

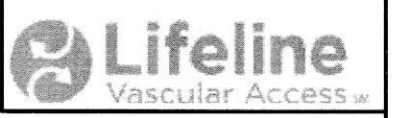
E101.00	OF 5
DATE	DRAWN BY
10/20/17	JCW
JOB NUMBER	DESIGNED BY
112-41	MSW

ISSUED FOR
BUILDING PERMIT



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