

SCOPE OF WORK

USE THE EXISTING 200 AMP 120/208V - 3Ø ELECTRICAL SERVICE AND PANEL. PROVIDE ALL NECESSARY EQUIPMENT AND ALL WIRING AND LIGHTING FOR DIPBAR BUILDOUT INCLUDING WIRING FOR HVAC. COORDINATE WITH G.C. FOR LOW VOLTAGE WIRING.

ELECTRICAL PLAN NOTES

- ELECTRICAL CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. TYPE CIRCUIT BREAKERS.
- CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT, NOTIFY ARCHITECT/ENGINEER BEFORE BIDDING, ORDERING, OR PROCEEDING WITH WORK.
- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION TO BE TAKEN.
- ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION OF THE NATIONAL ELECTRIC CODE AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.
- DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION FOR ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE.
- ALL ELECTRICAL NOT BEING REUSED MUST BE REMOVED IN ITS ENTIRETY.
- ALL CONDUIT IN OR UNDERGROUND OR IN CONCRETE MUST BE RIGID GALVANIZED STEEL.
- CIRCUIT BREAKERS AND PANELS TO BE BOLT ON TYPE.
- ALL EQUIPMENT SHALL BE APPROVED BY UL OR OTHER NATIONALLY RECOGNIZED TESTING COMPANY.
- ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY NEC 250.146
- SUBMIT SERVICE ENTRANCE EQUIPMENT FOR SEPARATE APPROVAL.
- ALL LOW VOLTAGE MUST BE IN CONDUIT TO ABOVE THE DROP CEILING. BRIDAL RINGS OR "J" HOOKS REQUIRED.
- SEPARATE PERMITS ARE REQUIRED FOR ALL LOW VOLTAGE SUCH AS TELEPHONE, DATA, THERMOSTAT, MUSIC, ALARMS ETC.
- SEPARATE PERMIT REQUIRED FOR SIGNAGE.
- PRIOR TO ANY CONSTRUCTION WORK BEGINNING AN ON-SITE MEETING WITH GENERAL CONTRACTORS IS REQUIRED.
- ELECTRICIAN MUST BE ON SITE FOR ALL INSPECTIONS.
- MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. ALL CONDUCTORS SHALL BE COPPER AND UNLESS OTHERWISE NOTED THIN INSULATION.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, PLASTIC AND CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS REQUIRED BY THE N.E.C. OR LOCAL CODES.
- ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE THAT CERTIFICATE OF OCCUPANCY IS ISSUED. WARRANTY SHALL BE PROVIDED IN WRITING. PROVIDE COPY TO LL.
- CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT.
- THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
- ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR.
- PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES, DEVICES, ETC. FOR ALL OUTLETS AS INDICATED.
- MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UL LIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF N.E.C. NEMA, AND IEC.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRED CAULKING REQUIRED OF HIS WORK.
- ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS W/TYPED WRITTEN DIRECTORIES.
- ALL ELECTRICAL AND COMMUNICATIONS OUTLETS TO BE AT 24" A.F.F. UNLESS NOTED OTHERWISE, AND VERTICALLY MOUNTED.
- ALL LIGHT SWITCHES TO BE AT 42" A.F.F.
- ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- BREAKER AND PANELS - ALL CURRENT CARRYING BUSES SHALL BE COPPER. ALL GROUND BUS BARS SHALL BE COPPER. PANEL BOARD ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCHED CONCENTRIC HOLES. A.I.C. RATINGS SHALL BE AS INDICATED ON PANEL BOARD SCHEDULES.
- DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
- THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS INDICATES THE CONTRACTOR SHALL FURNISH AND INSTALL.
- CONTRACTOR SHALL CONFIRM WITH ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- VOLTAGE DROP FOR ALL BRANCH CONDUCTORS SHALL NOT EXCEED 3%. WHERE VOLTAGE DROP EXCEEDS 3%, CONTRACTOR SHALL INCREASE SIZE OF CONDUCTORS.
- CONTRACTOR SHALL PROVIDE GFI TYPE BREAKER FOR ALL EXTERIOR 120V CIRCUITS OR GFI PROTECTION - FOR THE WHOLE CIRCUIT.
- GAS PIPING SHALL BE BONDED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE SERVICE ENTRY WITH SERVICE PROVIDER PRIOR TO DETERMINING EXACT LOCATION OF THE METER BOX IN ORDER TO AVOID DISCREPANCIES BETWEEN DRAWINGS AND JOB CONDITIONS.
- ALL OUTDOOR EQUIPMENT SHALL BE WEATHERPROOF.
- CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF ACCEPTANCE. PROVIDE A COPY TO LL.
- OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO THE BUILDING OWNER.
- ABSOLUTELY NO FLEXIBLE CONDUIT IS PERMITTED IN DEMISING WALLS. FLEXIBLE CONDUIT IS PERMITTED FOR SHORT FINAL CONNECTIONS ONLY (6'-0" OR LESS).
- EXPOSED CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES, PARALLEL OR IN RIGHT ANGLES TO THE BUILDING STRUCTURE. DO NOT LOOP EXCESS FLEXIBLE CONDUIT IN CEILING SPACE OR WALL CAVITY. NO CONDUIT TO BE SUPPORTED FROM THE ROOF DECK.
- CABLE TYPES AC AND NM CABLES ARE NOT ACCEPTABLE. TYPE MC CABLE, ELECTRIC METALLIC TUBING (EMT) AND RIGID GALVANIZED CONDUIT ARE PERMITTED.
- ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN COMPLIANCE WITH NEC AND UL REQUIREMENTS.
- ALL PANELS TO BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS.
- 7-DAY 24-HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ENTRY LIGHTS. SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES AND STOREFRONT SIGNAGE. ILLUMINATED STOREFRONT SIGNS MUST REMAIN LIT DURING ALL MALL BUSINESS HOURS.
- TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRIC SERVICE. ANY/ALL MODIFICATIONS OR UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL AND WILL BE COMPLETED BY TENANT/TENANT'S GC AT TENANT'S SOLE EXPENSE.
- ALL ELECTRICAL PANELS TO BE MOUNTED ON PLYWOOD BACKER BOARD.
- PANEL PHASE LOADS TO BE BALANCED WITHIN 10%.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	EXHAUST FAN
	COMBINATION EXHAUST FAN/LIGHT (REFER TO MECHANICAL PLANS)
	SPEAKERS @ CEILING
	JUNCTION BOX
	CEILING MOUNTED SMOKE DETECTOR 110V., INTERCONNECTED W/ BATT. BACKUP. SMOKE DETECTOR SHALL COMPLY WITH NFPA 72, AND FBC 905.2.
	BATTERY BACK UP EXIT LIGHT
	BATTERY BACK UP EMERGENCY LIGHT
	WALL SWITCH (SINGLE, DOUBLE,)
	WALL SWITCH (3 WAY, 4 WAY)
	WALL SWITCH (TIMER)
	DIMMER WALL SWITCH
	OCCUPANCY SENSOR WALL SWITCH
	VARIABLE SPEED SWITCH
	CEILING MOUNTED OCCUPANCY SENSOR
	SIMPLEX RECEPTACLE, +18" AFF OR AS NOTED. SUFFIX DENOTES FOLLOWING: A - NEMA 5-15R B - NEMA 6-15R C - NEMA 14-30R D - NEMA 14-50R E - NEMA 10-30R
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, 46" AFF AT KITCHEN, BATHS AND TOPS
	HALF SWITCHED DUPLEX RECEPTACLE
	230 VOLT RECEPTACLE
	QUADRUPLEX RECEPTACLE
	FLOOR MOUNTED, FLUSH DUPLEX RECEPTACLE
	FLOOR MOUNTED, FLUSH QUAD. RECEPTACLE
	FLOOR MOUNTED, FLUSH 230 VOLT RECEPTACLE
	CEILING MOUNTED DUPLEX RECEPTACLE
	ELECTRICAL PANEL
	DISCONNECT SWITCH
	USB CHARGER RECEPTACLE
	TELEVISION OUTLET
	TELEPHONE OUTLET
	TELEPHONE/DATA OUTLET
	DATA OUTLET
	FLOOR MTD. FLUSH TELEPHONE/DATA OUTLET
	QUAD. DATA OUTLET RJ45
	THERMOSTAT DEVICE
	AC OUTDOOR UNIT MOTOR AS NOTED WITH WEATHERPROOF CONTROLLER AND DISCONNECT SWITCH WITH
	NON FUSED DISCONNECT SWITCH AMPERAGE, A ND NUMBER OF POLES AS NOTED
	30A/240V NON FUSED DISCONNECT SWITCH
	60A/240V NON FUSED DISCONNECT SWITCH
	100A/240V NON FUSED DISCONNECT SWITCH
	200A/240V NON FUSED DISCONNECT SWITCH
	MOTOR/PUMP
	MOTORIZED DAMPER WITH MOTOR RATED SWITCH

ABBREVIATIONS:

ABOVE FINISH FLOOR= A.F.F.
COUNTER TOP LEVEL= C
GROUND FAULT INTERRUPTER= GFCI
VERIFY PRIOR TO INSTALL= VH
WEATHER PROOF= WP
BELOW COUNTER= BC
PUSH BUTTON= PB
UNDER CABINET= UC
VAPOR PROOF= VP
SALVAGED= S

EXISTING CONTIDITONS NOTES

STOP AND READ
THE CONTRACTOR AND SUB-CONTRACTORS SHALL NOT INITIATE ANY WORK UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED. THIS SHALL HOLD TRUE FOR FIRST GENERATION AND 2ND GENERATION SPACES, WHEN DEMOLITION IS REQUIRED, THAT WILL BE PERMITTED TO EXPOSE CONDITIONS. THESE VERIFICATIONS SHALL INCLUDE BUT NOT LIMITED TO: DIMENSIONS BOTH HORIZONTALLY AND VERTICAL, ELECTRICAL SERVICE /PANELS LOCATION AND VOLTS/PHASE, LOCATION/QTY OF ROOF MOUNTED HVAC EQUIPMENT, CONFIRM THAT INTERIOR HVAC HUNG UNITS HAVE PROPER SUPPORT CONNECTIONS FOR EXISTING STRUCTURE, FIRE SPRINKLER MAIN RUNS, TOILET ROOM DIMENSIONS, DOOR SWING FOR DOORS TO REMAIN AND ETC. IF NOT VERIFIED AND DISCOVERED AT A LATER TIME, THE CONTRACTOR SHALL REIMBURSE THE ARCHITECT FOR THE REDESIGN FEE. THIS DOES NOT INCLUDE HIDDEN WORK I.E. PITCH OF SANITARY LINES, ACTUAL CONDITIONS OF EXISTING HVAC EQUIPMENT, STRUCTURAL COLUMNS/BEARING WALLS OR CONDITIONS OF GREASE INTERCEPTORS AND ETC.

LIGHTING FIXTURE SCHEDULE

	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLT	NUMBER OF FIXTURES	LAMP TYPE	TOTAL WATTS	MOUNTING
	A	4" RECESSED DOWN LIGHT LED W/DIMMING	COMMERCIAL LIGHTING	SS4G4DR	120	20	LED	10 WATTS	RECESSED
	B	4" RECESSED LED WALL WASH W/DIMMING	COMMERCIAL LIGHTING	SS4G4DR	120	8	LED	10 WATTS	RECESSED
	C	ACCENT PENDANT LIGHTS	COMMERCIAL LIGHTING	TBD	120	2	LED	40 WATTS	PENDANT
	D	CHANDELIER	COMMERCIAL LIGHTING	TBD	120	1	LED	50 WATTS	PENDANT
	F	LED WALL SCENE	COMMERCIAL LIGHTING	TBD	120	3	LED	10 WATTS	TRACK
	G	4" RECESSED DOWN LIGHT LED W/DIMMING	COMMERCIAL LIGHTING	SS4G4DR	120	6	LED	21 WATTS	RECESSED
	H	4" RECESSED DOWN LIGHT LED W/DIMMING	COMMERCIAL LIGHTING	SS4G4DR	120	11	LED	13 WATTS	RECESSED
	I	LED ROPE LIGHT	COMMERCIAL LIGHTING	TBD	120	40 FEET	LED	-	-
	X	EXIT/EMERGENCY COMBO SIGNS	LITHONIA	LRP-LED	120	1	LED	5 WATTS	WALL/CEILING
	EU	EMERGENCY LIGHTS	LITHONIA	ECR-LED	120	5	LED	5 WATTS	WALL
	EX	EXIT/EMERGENCY COMBO SIGNS	LITHONIA	ELM2	120	1	LED	5 WATTS	WALL
	D	DIMMER WALL SWITCH	COMMERCIAL LIGHTING INDUSTRY	CLH-NAROSDS	120				
	T	TIMER WALL SWITCH	LEVITON	6124	120				
	OS	OCCUPANCY WALL SWITCH	LEVITON	ODS10	120				
	OS	CEILING OCCUPANCY SENSOR	LEVITON	O2C10-UDW	120				
	LCP	LIGHTING CONTROL PANEL	COMMERCIAL LIGHTING	LITEKEEPER 16	120				

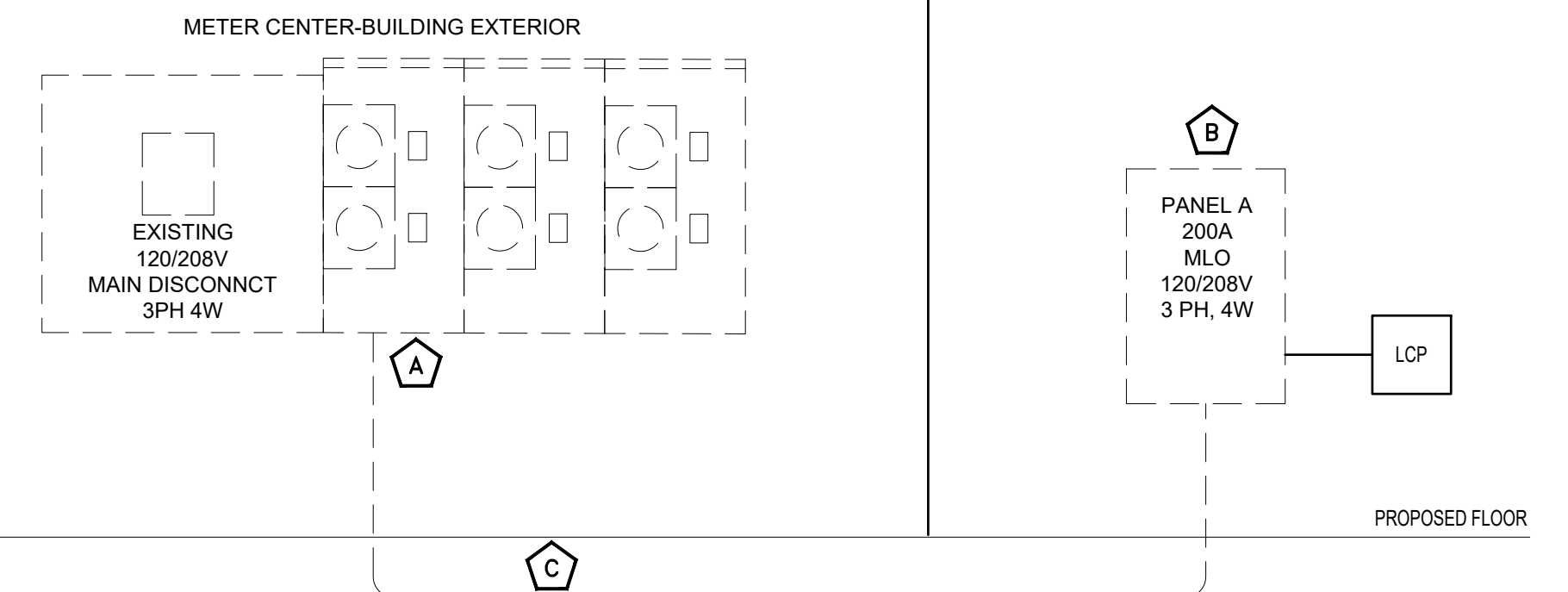
EXTERIOR

ELECTRICAL RISER KEYED WORK NOTES:

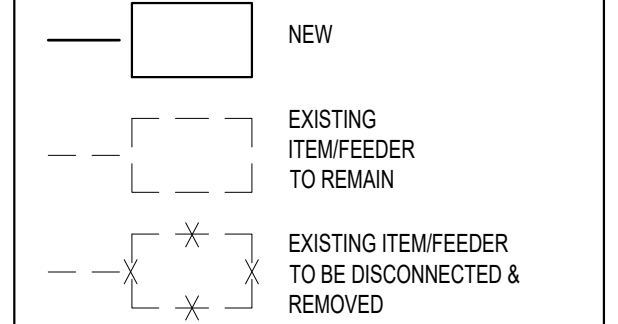
- EXISTING 200A, 120/208 VOLTS 3-PHASE ELECTRICAL DISCONNECT SWITCH AND METER LOCATED IN METER CENTER AT BUILDING EXTERIOR. E.C. SHALL COORDINATE WITH THE BASE BUILDING FOR EXACT DISTRIBUTION.
- EXISTING 200A, 120/208V, 3-PHASE ELECTRICAL PANEL "A" TO REMAIN. E.C. SHALL VERIFY EXACT SIZE AND OPERABLE CONDITION OF PANEL IN FIELD. REPLACE IF FOUND INOPERABLE.
- EXISTING ELECTRICAL INCOMING FEEDER FOR THE DRIPBAR SPACE. E.C. SHALL VERIFY EXACT SIZE AND OPERABLE CONDITION OF THE EXISTING FEEDER IN FIELD.

NOTE:

- ELECTRICAL CONTRACTOR TO COORDINATE FAULT CURRENT (Isc) RATING WITH UTILITY COMPANY AND AHJ PRIOR TO COMMENCING ANY WORK.
- E.C. SHALL VERIFY INCOMING SERVICE AMPERAGE, WIRE SIZING AND DISTRIBUTION.



ELECTRICAL RISER SYMBOLS:



GENERAL LIGHTING NOTES

- WHERE LIGHT FIXTURE IS FOLLOWED BY "NL", THIS FIXTURE IS DESIGNATED AS A NIGHT LIGHT AND SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.
- UPPER CASE LETTER NEXT TO LIGHT FIXTURE DENOTES FIXTURE TYPE AND LOWER CASE LETTER DENOTES SWITCHING SCHEME.
- ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR

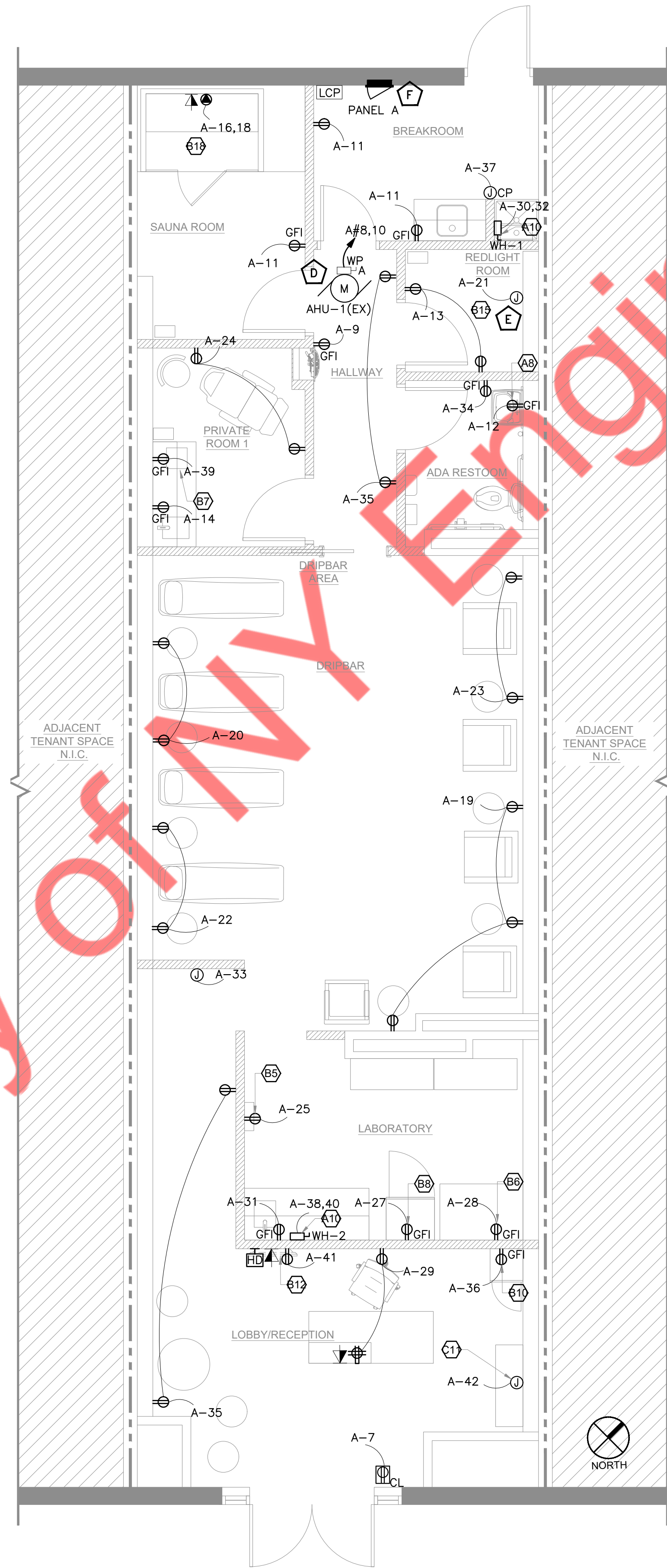
ELECTRICAL RISER

SCALE
N.T.S.

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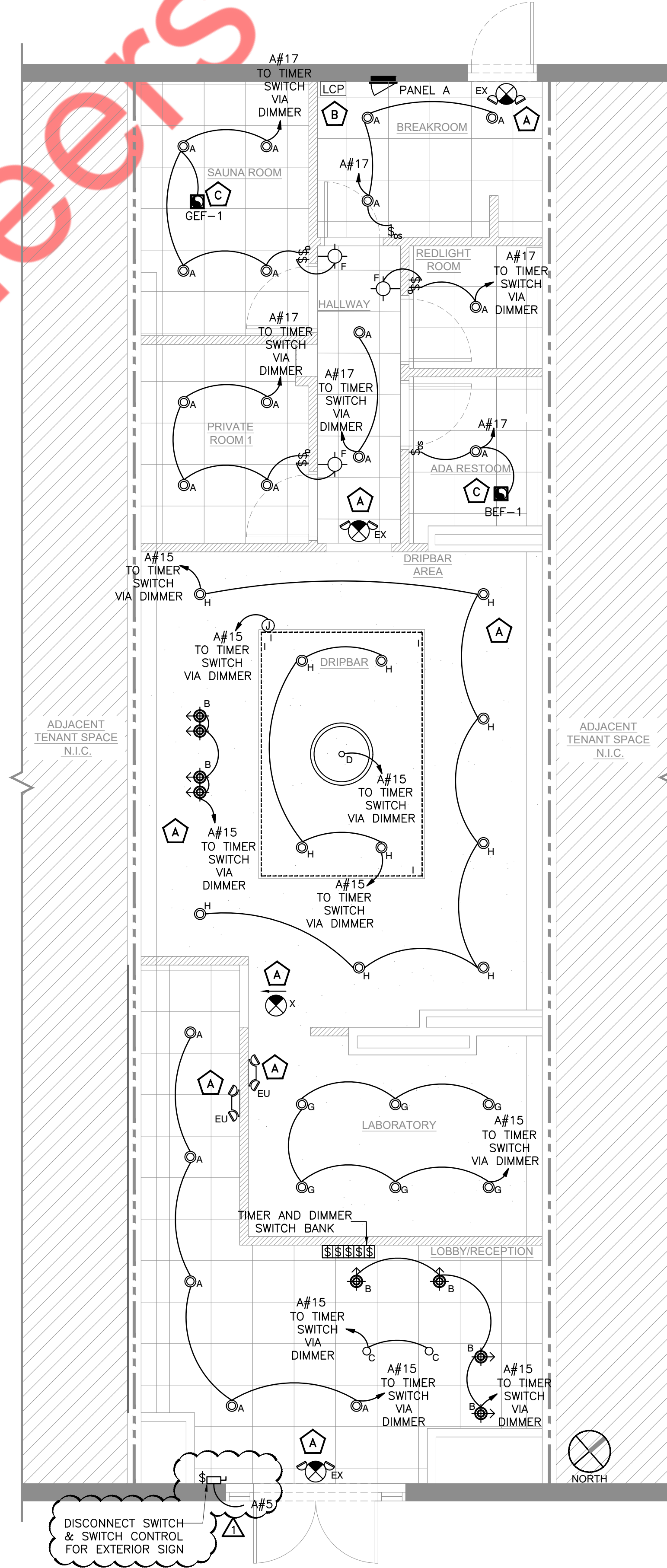
ELECTRICAL PLAN KEYED WORK NOTES:

- A** CONNECT ALL EMERGENCY EGRESS AND NIGHT LIGHTING FIXTURES TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND LOCAL CODES.
- B** E.C. SHALL COORDINATE EXACT LOCATION OF THE LIGHTING CONTROL PANEL "LCP" WITH ARCHITECT/OWNER.
- C** EXHAUST FANS SHALL BE CIRCUITED AND CONTROLLED ALONG WITH THE LIGHT FIXTURES IN THE SAME ROOM.
- D** EXISTING MECHANICAL UNITS AHU-1 AND CU-1 SHALL REMAIN CONNECTED TO THE EXISTING ELECTRICAL PANEL "A".
- E** E.C. TO COORDINATE WITH ARCHITECT/OWNER FOR ALL ELECTRICAL LOADS IN RED LIGHT ROOM. FOR ANY ELECTRICAL LOADS OTHER THAN RECEPTACLE & GENERAL LIGHTING LOAD OF THIS ROOM, THESE LOADS SHALL BE CONNECTED THROUGH JUNCTION BOX.
- F** EXISTING 200A, 120/208V, 3-PHASE ELECTRICAL PANEL "A" TO REMAIN.



POWER PLAN

SCALE
1/4" = 1'-0"



LIGHTING PLAN

SCALE
1/4" = 1'-0"

PANEL SCHEDULE:

PANEL:		A (EX)										MOUNTING:		RECESSED	
208Y/120		VOLTS,	3		PHASE,	4				WIRE					
200A		MLO	BUS		225A	MIN.									
CKT NO.	TRIP AMPS	DESCRIPTION OF LOAD	LOAD TYPE	LOAD (KVA)	MINIMUM BRANCH CIRCUIT	PER PHASE (KVA)			MINIMUM BRANCH CIRCUIT	LOAD (KVA)	LOAD TYPE	DESCRIPTION OF LOAD	TRIP AMPS	CKT NO.	
						A	B	C							
1	20	CU-1 (EX)	H	2.70	EXISTING	2.70						20	2		
3	20	EXTERIOR BUILDING SIGNAGE	H	2.70			2.70				SPARE	20	4		
5	30	EX SHOW WINDOW RECEPTACLE	L	2.20	2#10, #10G, 3/4"C			2.20			SPARE	20	6		
7	20	DRINKING FOUNTAIN	R	2.00	2#12, #12G, 3/4"C	4.70			EXISTING	2.70	H	AHU-1 (EX)	20	8	
9	20	SAUNA ROOM RECEPTACLE	E	1.00	2#12, #12G, 3/4"C		3.70			2.70	H	(A8)LIGHTED MIRROR	20	10	
11	20*	RED LIGHT ROOM RECEPTACLE	R	0.18	2#12, #12G, 3/4"C	0.54		0.30	2#12, #12G, 3/4"C	0.12	R	CONVENIENCE RECEPTACLE	20*	12	
13	20	LIGHTING - FOH AREA	R	0.36	2#12, #12G, 3/4"C				2#12, #12G, 3/4"C	0.18	R	(B18) INFRARED SAUNA	20*	14	
15	20	LIGHTING - BOH AREA	L	0.51	2#12, #12G, 3/4"C		2.31		2#10, #10G, 3/4"C	1.80	H	D RIPBAR RECEPTACLE	20	16	
17	20	DRIPBAR RECEPTACLE	L	0.85	2#12, #12G, 3/4"C			2.65	2#12, #12G, 3/4"C	1.80	H	D RIPBAR RECEPTACLE	20	18	
19	20	JB FOR RED LIGHT ROOM	R	0.36	2#12, #12G, 3/4"C	0.72			2#12, #12G, 3/4"C	0.36	R	PRIVATE ROOM RECEPTACLE	20	20	
21	20	(B5)DEFBRILLATOR	R	1.00	2#12, #12G, 3/4"C		1.54		2#12, #12G, 3/4"C	0.54	R	LCP	20	22	
23	20	(B8)PHARMACY REFRIGERATOR	R	0.36	2#12, #12G, 3/4"C			0.72	2#12, #12G, 3/4"C	0.36	R	(B6)ASEPTIC ISOLATOR	20*	24	
25	20*	RECEPTION DESK	E	0.18	2#12, #12G, 3/4"C	0.38			2#12, #12G, 3/4"C	0.20	E	WH-1	20	26	
27	20*	GFCI RECEPTACLE	E	0.58	2#12, #12G, 3/4"C		1.27		2#12, #12G, 3/4"C	0.69	E	WH-2	20*	28	
29	20	DROP SIGN	R	0.54	2#12, #12G, 3/4"C			9.54	2#2, #6G, 1 1/4"C	9.00	H	(B10) COUNTER TOP REF.	20*	30	
31	20	RECEPTION DESK	R	0.18	2#12, #12G, 3/4"C	9.18			2#12, #12G, 3/4"C	9.00	H	(C11)RETAIL DISPLAY	20	32	
33	20	DROP SIGN	R	0.25	2#12, #12G, 3/4"C		0.43		2#12, #12G, 3/4"C	0.18	R		20*	34	
35	20	RECEPTACLE HALLWAY	R	0.72	2#12, #12G, 3/4"C			0.96	2#12, #12G, 3/4"C	0.24	E		20*	36	
37	20	RECIRCULATION PUMP-CP	M	0.10	2#12, #12G, 3/4"C	2.18			2#10, #10G, 3/4"C	2.08	H		38	38	
39	20	(B7)SPINNER	E	1.44	2#12, #12G, 3/4"C		3.52		2#10, #10G, 3/4"C	2.08	H		40	40	
41	20	(B12) TELEVISION	E	0.18	2#12, #12G, 3/4"C			0.36	2#12, #12G, 3/4"C	0.18	R		20	42	
TOTAL LOAD (KVA)						20.40	15.47	16.73							

PANEL SCHEDULE GENERAL NOTES:

- ALL CIRCUITING SHOWN IS FOR REFERENCE PURPOSE ONLY. E.C. SHALL VERIFY CIRCUITING OF THE EXISTING DEVICES IN FIELD AND INFORM ENGINEER FOR DISCREPANCIES.
- ELECTRICAL CONTRACTOR TO VERIFY THE EXACT PANEL SIZES AND INCOMING FEEDER SIZE.
- E.C. SHALL PROVIDE NEW CIRCUIT BREAKERS IN PLACE OF EXISTING CIRCUIT BREAKERS WHEREVER NECESSARY TO BE IN LINE WITH THE PANEL SCHEDULE.

PANEL SCHEDULE KEYED WORK NOTES:

- Ⓐ ELECTRICAL CONTRACTOR SHALL PROVIDE (3) 20A/1P SPARE BREAKERS IN PLACE OF (1) 45/3P EXISTING BREAKER.

* INDICATED GFCI CIRCUIT BREAKER

EQUIPMENT SCHEDULE:

ITEM NO.	DESCRIPTION	VOLTAGE	PHASE	AMPS	KW
A8	LIGHTED MIRROR	120	1	0.18	0.021
A13	DRINKING FOINTAIN	120	1	0.50	0.060
B5	MOUNTED CABINET DEFRILATOR	120	1	1.50	0.18
B6	COMPOUNDING ASEPTIC CONTAINMENT ISOLATOR	115	1	6.00	0.69
B7	CENTRIFUSE SPINER	120	1	12.00	1.44
B8	28" WIDE PHARMACY REFRIGERATOR	115	1	5	0.58
B10	COUNTER TOP DISPLAY REFRIGERATOR	120	1	2	0.24
B12	TV SCREEN	120	1	1.50	0.18
B13	UNDERCOUNTER REF	120	1	2.00	0.24
B14	MICROWAVE	120	1	2.00	24.00
C11	RETAIL DISPLAY	120	1	1.50	0.18

GENERAL NOTE:

- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT POWER AND CONNECTION REQUIREMENTS WITH THE MANUFACTURER PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.