GENERAL ELECTRICAL REQUIREMENTS AS-BUILT DRAWINGS
AT THE COMPLETION OF WORK AND BEFORE FINAL ACCEPTANCE, PROVIDE AS-BUILT DRAWINGS OF THE INSTALLATION, IN AUTO-CAD FORMAT. DRAWING FILES CAN BE OBTAINED FROM THE CONSULTANT @ $100/SHEET.

INCORPORATE ALL CHANGES AND DEVIATIONS FROM TENDER DRAWINGS, UTILIZING NORMAL RECOGNIZED DRAFTING PROCEDURES THAT MATCH THE ORIGINAL.

ALL MAIN BRANCH CONDUIT RUNS, JUNCTION BOX LOCATIONS, ETC. MUST BE REFLECTED ON THE DRAWINGS.

REMOVE THE ELECTRICAL ENGINEER'S STAMP FROM ALL DRAWINGS, PRIOR TO SUBMISSION OF AS-BUILT.

CLEARLY INDICATE THE WORDS "AS-BUILT" IN THE TITLE BLOCK OF THE DRAWINGS AS WELL AS THE ELECTRICAL CONTRACTOR'S NAME AND ADDRESS.

SUBMIT A SET OF PRINTS TO THE CONSULTANT FOR REVIEW AND COMMENTS. WHEN FOUND ACCEPTABLE BY THE CONSULTANT, SUBMIT THREE (3) SETS OF PRINTS TOGETHER WITH THE CAD DISK TO THE OWNER.

CODES & STANDARDS
COMPLETE THE INSTALLATION OF THE WORK IN ACCORDANCE WITH LATEST EDITIONS OF THE ONTARIO BUILDING CODE, PROVINCIAL ELECTRICAL SAFETY CODE, C.S.A. STANDARDS, U.L.C., O.S.H.A. AND OTHER CODES, AS REQUIRED. COMPLY WITH ELECTRICAL AND BUILDING CODE BULLETINS IN FORCE AT TIME OF BID SUBMISSION.

COMPLETION OF CONTRACT
ALL THE EQUIPMENT MUST BE CLEANED AND TESTED BEFORE FINAL ACCEPTANCE BY THE CONSULTANT.

FROM THE DATE OF ISSUANCE OF A "CERTIFICATE OF SUBSTANTIAL COMPLETION", PROVIDE A WRITTEN GUARANTEE FOR ONE YEAR COVERING ALL EQUIPMENT,MATERIALS AND WORKMANSHIP, OTHER THAN LAMPS.

DEFECTS AND DEFICIENCIES WHICH ORIGINATE OR BECOME EVIDENT DURING THE WARRANTY PERIOD MUST BE REPAIRED OR REPLACED, AT NO COST TO THE OWNER.

REPLACE, AT NO COST, ALL LAMPS BURNED-OUT DURING A THIRTY (30) DAY PERIOD AND ALL BURNED-OUT FLUORESCENT LAMPS FOR A PERIOD OF NINETY (90) DAYS AFTER DATE OF ISSUANCE OF CERTIFICATE OF "SUBSTANTIAL COMPLETION" FOR THE CONTRACT WORK.

CONTRACT DOCUMENTS
THE DRAWINGS FOR THE ELECTRICAL WORK ARE DIAGRAMMATIC ONLY, AND ARE INTENDED TO CONVEY THE SCOPE OF WORK AND GENERAL ARRANGEMENT OF ELECTRICAL EQUIPMENT. THE DRAWINGS DO NOT INTEND TO SHOW ARCHITECTURAL, INTERIOR DESIGN, MECHANICAL, STRUCTURAL OR BASE BUILDING DETAILS. BE RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF SAME BEFORE PROCEEDING WITH THE WORK.

DO NOT SCALE OR MEASURE DRAWINGS.

ANY DISCREPANCIES BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND EXISTING CONDITIONS, MUST BE REFERRED TO THE CONSULTANT BEFORE ANY WORK AFFECTED HAS COMMENCED.
COOPERATE AND COORDINATE WITH OTHER TRADES IN LAYING OUT OF WORK SO AS NOT TO CONFLICT WITH THE WORK OF OTHER TRADES. CARRY OUT WORK PROMPTLY AS PER CONSTRUCTION SCHEDULE.

MAKE ANY CHANGES OR ADDITIONS TO MATERIALS NECESSARY TO ACCOMMODATE STRUCTURAL CONDITIONS (OFFSETS AROUND BEAMS, COLUMN, ETC.) AT NO EXTRA COST TO THIS CONTRACT.

CORE DRILLING
IF REQUIRED, BEFORE CORE DRILLING SLABS OR STRUCTURAL WALLS, X-RAY, C/W PICTURE, SLAB OR WALLS AND HAVE THE LOCATIONS ACCEPTED BY THE OWNER IN WRITING.
ANY EXISTING BUILDING SERVICES DAMAGED BY CORE DRILLING MUST BE REPAIRED IMMEDIATELY AT NO COST TO OWNER.

FLOOR DRILLING TO BE CARRIED OUT AFTER NORMAL WORKING HOURS AND AT A TIME ACCEPTABLE TO OWNER AND ALLOWANCES FOR THIS WORK SHALL BE INCLUDED IN BID PRICE SUBMITTED.

CUTTING AND PATCHING
ALL CUTTING AND PATCHING REQUIRED TO THE BUILDING STRUCTURE FOR THE WORK SHALL BE INCLUDED UNDER THIS CONTRACT AND BE ACCEPTABLE TO THE OWNER. OBTAIN WRITTEN APPROVAL FROM OWNER BEFORE ANY CUTTING IS CARRIED OUT.

WHERE CONDUITS PASS THROUGH FIRE RATED WALLS OR FLOORS, PROVIDE FIRE STOPPING MATERIAL LISTED WITH, AND BEAR LABEL OF CSA AND ULC, AND MAINTAIN SAME FIRE RATING OF BUILDING COMPONENT PENETRATION.

DEFINITIONS
WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL BE UNDERSTOOD TO MEAN INCLUSIVE OF ALL LABOUR, MATERIALS, INSTALLATION, TESTING, AND CONNECTIONS" FOR THE ITEM TO WHICH IT REFERENCES.

DEMOLITION
VISIT THE SITE, EXAMINE THE EXISTING CONDITIONS AND BECOME FAMILIAR WITH THE EXTENT OF THE NECESSARY REMOVAL, RELOCATION, RECONNECTING AND REROUTING OF ELECTRICAL EQUIPMENT AND WIRING AS NECESSARY FOR THE COMPLETION OF THE PROJECT.

REVIEW AND CONFIRM WITH THE CONSULTANT'S DRAWINGS FOR THE COMPLETE EXTENT OF DEMOLITION AND ALTERATION AS REQUIRED

REMOVE AND REWORK, AS REQUIRED, TO MAINTAIN CONTINUITY FOR ALL SYSTEMS TO REMAIN, WHICH ARE AFFECTED BY THE DEMOLITION AND ALTERATION.

ELECTRICAL WORK REQUIRED IN EXISTING PREMISES
REMOVE ALL DISCONNECTED WIRING BACK TO THE ASSOCIATED PANEL BOARD AS REQUIRED.

REMOVE EXISTING LUMINAIRES, DEVICES, OUTLETS, ETC., WHICH ARE NOT TO BE REUSED.

ENSURE THAT ALL EXISTING EQUIPMENT, WHICH IS TO BE REUSED AND/OR RELOCATED, IS THOROUGHLY INSPECTED AND REFURBISHED TO ENSURE CORRECT OPERATION WHEN PUT BACK INTO SERVICE AND TO MEET C.S.A. APPROVAL.

REMOVE ALL EQUIPMENT NOT REQUIRED TO AN OFF-SITE DISPOSAL.

REPAIR, TO THE OWNER'S SATISFACTION, ANY DAMAGE TO THE EXISTING BUILDING INCURRED BY WORK OF THIS DIVISION.

CARRY OUT THE WORK WITH A MINIMUM OF NOISE, DUST AND DISTURBANCE.

OBTAIN THE OWNER'S PERMISSION FOR THE USE OF ELECTRICAL, PLUMBING OR DRAINAGE OUTLETS.

ALL CONDUITS ARE TO TERMINATE IN JUNCTION BOXES.

CLEAN LUMINAIRES, REFLECTORS AND LENSES AND OTHER SURFACES THAT HAVE BEEN EXPOSED TO CONSTRUCTION DIRT, VACUUM THE INSIDES AND OUTSIDES OF PANEL BOARDS, SPLITTERS AND OTHER ELECTRICAL EQUIPMENT.

INSURANCE
PROVIDE AND MAINTAIN INSURANCE TO PROTECT THE OWNER AND TRADES FROM ALL POSSIBLE CLAIMS. REFER TO TENDER FORM FOR DETAILS.

INTENT
IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT THE CONTRACTOR PROVIDES COMPLETE AND OPERATIONAL SYSTEMS AS REQUIRED.

WHERE DIFFERENCES OCCUR, THE MAXIMUM CONDITION SHALL GOVERN.

ANY MISCELLANEOUS ITEMS, NOT SPECIFICALLY DESCRIBED, BUT REQUIRED FOR THE OPERATION OF THE SYSTEM, MUST BE PROVIDED AND INCLUDED AS PART OF THE CONTRACT.

INTERRUPTION OF SERVICES
INTERRUPTION OF ELECTRICAL SERVICE TO ANY PART OF THE BUILDING SHALL OCCUR ONLY BY PRE-ARRANGEMENT WITH AND AT TIMES SUITABLE TO THE OWNER.

INTERRUPTIONS SHALL ONLY OCCUR DURING PREMIUM TIME PERIODS; ALL ALLOWANCES FOR THIS SHALL BE INCLUDED IN THE PRICE SUBMITTED.

LOCATION OF OUTLETS
ALTER LOCATION OF OUTLETS AT NO COST OR CREDIT, PROVIDING DISTANCE DOES NOT EXCEED 15 FEET AND INFORMATION IS GIVEN BEFORE ROUGH-IN.

ALL OUTLETS TO BE MARKED ON JOB SITE FOR APPROVAL BY CONSULTANT OR INTERIOR DESIGNER PRIOR TO INSTALLATION.

MATERIALS AND EQUIPMENT
ALL MATERIALS AND EQUIPMENT SHALL BE NEW, C.S.A. CERTIFIED AND MANUFACTURED TO THE STANDARDS SPECIFIED.
WHERE THERE IS NO ALTERNATIVE TO SUPPLYING EQUIPMENT, WHICH IS NOT C.S.A., CERTIFIED, OBTAIN SPECIAL APPROVAL FROM THE LOCAL INSPECTION DEPARTMENT OF C.S.A.

PERMITS AND FEES
SUBMIT TO THE LOCAL ELECTRICAL INSPECTION DEPARTMENT, THE NECESSARY NUMBER OF DOCUMENTS FOR EXAMINATION, SPECIAL INSPECTION AND APPROVAL, PRIOR TO THE COMMENCEMENT OF THE WORK, AND PAY ALL COSTS AND ASSOCIATED FEES.
PROVIDE CERTIFICATE(S) OF ACCEPTANCE FROM THE AUTHORITIES INSPECTION DEPARTMENT, UPON COMPLETION OF WORK.

MATERIALS AND INSTALLATION

CONDUITS AND CONDUIT FITTINGS
PROVIDE ALL CONDUITS UP TO AND INCLUDING 101MM (4") SIZE, AS EMT THIN WALL WITH STEEL SET SCREW COUPLINGS AND CONNECTORS.

PROVIDE FLEXIBLE METAL CONDUIT FOR CONNECTION TO MOTORS AND TRANSFORMERS.

INSTALL CONDUITS TO CONSERVE HEADROOM, PARALLEL AND PERPENDICULAR TO BUILDING LINES. SUPPORT ALL BRANCH CONDUITS FROM BUILDING STRUCTURE, DO NOT CADDIE CLIP CONDUITS TO CEILING HANGERS. ALL EMPTY CONDUITS SHALL BE COMPLETE WITH NYLON PULL CABLE.

GROUNDING
GROUND ALL EQUIPMENT IN ACCORDANCE WITH LATEST EDITION OF THE ELECTRICAL SAFETY CODE. PROVIDE SEPARATE GREEN INSULATED GROUND CONDUCTOR IN EVERY CONDUIT TO ALL DEVICES, LUMINAIRES AND FEEDERS (PANEL BOARDS, SPLITTERS, DISCONNECT SWITCHES, ETC.).

JUNCTION BOXES AND PULL BOXES
SHALL BE SUITABLE FOR SURFACE MOUNTING AND BE OF WELDED STEEL CONSTRUCTION WITH SCREW-ON FLAT COVERS.
FOR FLUSH-MOUNTED PULL AND JUNCTION BOXES, PROVIDE COVERS WITH 25MM (1") MINIMUM EXTENSION ALL AROUND.

INSTALL JUNCTION AND PULL BOXES IN ACCESSIBLE LOCATIONS.

NO MORE THAN TWO (2) - 90 DEG. BENDS SHALL BE INSTALLED BETWEEN ANY TWO ADJACENT PULL BOXES.

A MINIMUM OF ONE PULL BOX SHALL BE INSTALLED FOR EVERY 100 FT. (30M) OF CONDUIT. (NOTE: EACH 90 DEG. BEND SHALL EQUATE TO A 30 FT. (9M) LENGTH OF CONDUIT).

OUTLET BOXES
OUTLET BOXES SHALL BE ELECTRO-GALVANIZED STEEL, SIZED AS REQUIRED BY CODE.

ADAPT ALL OUTLET BOXES TO THEIR RESPECTIVE LOCATIONS AND SUPPORT INDEPENDENTLY OF THE CONDUIT. DO NOT CADDIE CLIP TO CEILING HANGERS.

PROVIDE DECORATIVE STYLE COVERPLATES, COLOUR TO MATCH DEVICE. INSTALL AFTER FINAL PAINTING FLUSH WITH WALL. PROVIDE WHITE BLANK COVER PLATES FOR BOXES WITHOUT WIRING DEVICES.

TWO OR MORE OUTLET BOXES THAT OCCUR AT THE SAME LOCATION SHALL BE GANGED TOGETHER IN THE SAME COVER PLATE UNLESS OTHERWISE NOTED.

WIRES AND CABLE
ALL WIRE AND CABLE SHALL BE COPPER, MINIMUM 12 GAUGE, NO. 12 AND NO. 10 SOLID, NO. 8 AND LARGER STRANDED, WITH RW90 INSULATION.

#12 8X CAN BE USED IN CEILING SPACE FROM CEILING DISTRIBUTION BOX DOWN TO RECEPTACLES IN PARTITIONS. 8X RUNS IN CEILING SPACE NOT TO EXCEED 3048MM (10'-0") IN LENGTH.

SIZE ALL WIRE FOR MAXIMUM 2% VOLTAGE DROP.

CONDUIT IS TO BE UTILIZED FOR A HOME RUN TO PANELS.

PANELBOARD
EXISTING PANELBOARD TO BE USED. PROVIDE NEW BREAKERS AS REQUIRED.

UPDATE PANEL SCHEDULE FOR AFFECTED PANELBOARD.

LIGHTING CONTROL SYSTEMS
INCLUDE FOR ALL NECESSARY RELAYS, INTERFACES, POWERPACKS, ETC REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM. REFER TO LIGHTING CONTROL DRAWINGS FOR MORE INFORMATION. INCLUDE FOR A SUFFICIENT AMOUNT OF TIME FOR ALL NECESSARY PROGRAMMING AND COMMISSIONING OF LIGHTING CONTROL SYSTEM.

SHOP DRAWINGS
PROVIDE 3 HARD AND 1 SOFT COPY OF ALL EQUIPMENT PROVIDED SHOP DRAWINGS.

ELECTRICAL LEGEND

ALL EXISTING ELECTRICAL DEVICES, WIRING AND/OR EQUIPMENT TO REMAIN ARE SHOWN IN GREY SCALE LINETYPE.
NOTE: LINE TYPE DEFINITION MAY BE LOST IF THE DRAWINGS ARE PHOTOCOPIED
ALL EXISTING ELECTRICAL DEVICES, WIRING AND/OR EQUIPMENT TO BE REMOVED ARE SHOWN IN BROKEN LINETYPE.
ALL ELECTRICAL DEVICES, WIRING AND/OR EQUIPMENT THAT ARE NEW OR EXISTING IN RELOCATED POSITION ARE SHOWN IN BOLD LINETYPE.
(X) REFERENCE TO NOTE #X ON RESPECTIVE DRAWING

ER EXISTING DEVICE TO BE RELOCATED
RL RELOCATED EXISTING DEVICE
EX EXISTING DEVICE TO REMAIN
D EXISTING DEVICE TO BE DEMOLISHED

POWER SYSTEM

SYMBOL	DESCRIPTION
	SURFACE MOUNTED 120/208V PANELBOARD
	RECESSED (FLUSH) MOUNTED 120/208V PANELBOARD
	SINGLE PHASE MOTOR
	THREE PHASE MOTOR
	FUSED DISCONNECT, SIZED AS INDICATED OR TO SUIT APPLICATION
	UNFUSED DISCONNECT, SIZED AS INDICATED OR TO SUIT APPLICATION
	SWITCH AND T.D. FUSE, SIZED AS INDICATED OR TO SUIT APPLICATION
XXXA/YP	CIRCUIT BREAKER. XXXA/YP REPRESENTS SIZE AND POLES
	TRANSFORMER, SIZED AS INDICATED OR TO SUIT APPLICATION
M	ELECTRICAL METER, SEE PLAN FOR MORE DETAIL
	WALL MOUNTED DUPLEX RECEPTACLE, 15A, 1P, 120V, U-GROUND RECEPTACLE C/W MATCHING COVERPLATE
USB	WALL MOUNTED DUPLEX RECEPTACLE, 15A, 1P, 120V, U-GROUND RECEPTACLE C/W MATCHING COVERPLATE AND USB PORTS
	WALL MOUNTED QUAD RECEPTACLE, 15A, 1P, 120V, U-GROUND RECEPTACLE C/W MATCHING COVERPLATE
	WALL MOUNTED SPLIT CIRCUIT DUPLEX RECEPTACLE, 15A, 1P, 120V, U-GROUND RECEPTACLE C/W MATCHING COVERPLATE
	WALL MOUNTED DEDICATED CIRCUIT DUPLEX RECEPTACLE, 15A, 1P, 120V, U-GROUND RECEPTACLE C/W MATCHING COVERPLATE
	WALL MOUNTED DUPLEX RECEPTACLE, 15A, 1P, 120V, U-GROUND RECEPTACLE C/W MATCHING COVERPLATE MOUNTED AT A NON-STANDARD HEIGHT
	WALL MOUNTED DUPLEX T-SLOT RECEPTACLE, 20A, 1P, 120V, NEMA 5-20R U-GROUND RECEPTACLE C/W MATCHING COVERPLATE
	WALL MOUNTED SPECIAL TYPE RECEPTACLE AS NOTED ON DRAWINGS
	DUPLEX RECEPTACLE MOUNTED IN MILLWORK/FURNITURE AS SHOWN
	DUPLEX RECEPTACLE SURFACE MOUNTED IN CEILING SPACE
	POWER AND DATA MOUNTED IN CEILING SPACE
	FLOOR MOUNTED MONUMENT C/W DUPLEX RECEPTACLE. PROVIDE EMT CONDUIT THROUGH CEILING SPACE BELOW, SIZED TO SUIT APPLICATION OR AS NOTED ON PLANS
	120V SINGLE PHASE DIRECT POWER CONNECTION, TYPE 1 ENCLOSURE UNLESS OTHERWISE NOTED
	208V SINGLE PHASE DIRECT POWER CONNECTION, TYPE 1 ENCLOSURE UNLESS OTHERWISE NOTED
	208V THREE PHASE DIRECT POWER CONNECTION, TYPE 1 ENCLOSURE UNLESS OTHERWISE NOTED
	RECESSED FLOOR BOX. REFER TO DRAWINGS AND DETAILS FOR EXACT REQUIREMENTS.
	JUNCTION BOX
B	OUTLETS MOUNTED HORIZONTALLY IN BASE
GFI	GROUND FAULT INTERRUPTER EITHER RECEPTACLE OR BREAKER TYPE
IG	ISOLATED GROUND DEVICE AND WIRE
	INDICATES EXISTING ROUGH-IN WALL BOX TO RECEIVE NEW DEVICE
WP	WEATHER PROOF TYPE DEVICE
C	CAP EXISTING OUTLET; PROVIDE BLANK COVERPLATE OR INSERT

LIGHTING SYSTEM

SYMBOL	DESCRIPTION
L1	LINEAR SINGLE LED STRIP LIGHT. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	RECESSED CEILING MOUNTED ROUND LED LUMINAIRE. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	RECESSED CEILING MOUNTED SQUARE LED LUMINAIRE. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	RECESSED CEILING MOUNTED SQUARE LED LUMINAIRE C/W MULTIPLE HEADS. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	SUSPENDED (PENDANT) LUMINAIRE. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	WALL SCONCE LUMINAIRE. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	LINEAR LED LUMINAIRE. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
L1	SPECIAL TYPE LUMINAIRE. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
T1	TRACK LIGHTING. LETTER DENOTES TYPE AS PER LUMINAIRE SCHEDULE
$	120V SPST LIGHTING SWITCH
$3W	3-WAY LIGHTING SWITCH
$PR	SWITCH FOR PROJECTOR SCREEN
$F	SWITCH FOR EXHAUST FAN
D	120V DIMMER SWITCH
$OS	WALL MOUNTED OCCUPANCY SENSOR
D3W	120V DIMMER SWITCH C/W OCCUPANCY SENSOR
	CEILING MOUNTED OCCUPANCY SENSOR
	LIGHTING CONTROL KEYPAD/SWITCHBANK, REFER TO PLAN FOR DETAILS
LOS	LUTRON ATHENA OS SENSOR MODULE: OSMQ-4W-C
	DAYLIGHT SENSOR: LUTRON LRS2-DCRB-WH
WP	WEATHER PROOF TYPE DEVICE
VP	VAPOUR PROOF TYPE DEVICE

LIFE SAFETY SYSTEM

SYMBOL	DESCRIPTION
	CEILING OR WALL MOUNTED EXIT SIGN
	CEILING OR WALL MOUNTED PICTOGRAM TYPE EXIT SIGN LUMACELL LA SERIES (EXTRUDED ALUMINUM)
	ARROW INDICATES "RIGHT OR LEFT FROM HERE" NO ARROW INDICATES "STRAIGHT FROM HERE"
	"DH" DENOTES DOUBLE FACE SIGN
	CEILING OR WALL MOUNTED LUMACELL "LAC-1250" SERIES COMBINATION PICTOGRAM TYPE EXIST SIGN C/W TWO (2) MR16 LED 12V-3W REMOTE HEADS.
	ARROW INDICATES "RIGHT OR LEFT FROM HERE" NO ARROW INDICATES "STRAIGHT FROM HERE"
	"DH" DENOTES DOUBLE FACE SIGN
	SINGLE OR DOUBLE REMOTE EMERGENCY LAMPHEADS CEILING OR WALL MOUNTED.
	EMERGENCY BATTERY UNIT

COMMUNICATION SYSTEM

SYMBOL	DESCRIPTION
	WALL MOUNTED SINGLE GANG BOX FOR VOICE OUTLET C/W 3/4" CONDUIT AND FISH STRING TO CEILING SPACE. PROVIDE COVERPLATE. PUNCH TO RECEIVE MODULAR JACK INSERT PLATE.
	SAME AS ABOVE BUT MOUNTED AT A NON-STANDARD HEIGHT
	WALL MOUNTED SINGLE GANG BOX FOR DATA OUTLET C/W 3/4" CONDUIT AND FISH STRING TO CEILING SPACE. PROVIDE COVERPLATE. PUNCH TO RECEIVE MODULAR JACK INSERT PLATE BY OTHERS.
	SAME AS ABOVE BUT C/W TWO SNAP-IN JACKS
	SAME AS ABOVE BUT MOUNTED AT A NON-STANDARD HEIGHT
X0	SAME AS ABOVE BUT MOUNTED IN MILLWORK/FURNITURE AS SHOWN "X0" DENOTES X NUMBER OF SNAP-IN JACKS
	COMBINED WALL MOUNTED SINGLE GANG BOX FOR VOICE & DATA OUTLETS C/W 3/4" CONDUIT AND FISH STRING TO CEILING SPACE. PROVIDE COVERPLATE. PUNCH TO RECEIVE MODULAR JACK INSERT PLATE.
	SAME AS ABOVE BUT MOUNTED AT A NON-STANDARD HEIGHT
X0	SAME AS ABOVE BUT MOUNTED IN MILLWORK/FURNITURE AS SHOWN "X0" DENOTES X NUMBER OF SNAP-IN JACKS
	TV CABLE OUTLET IN SINGLE GANG BOX
WAP WAP	CEILING/WALL MOUNTED Wi-Fi ACCESS POINT PROVIDE BACKBOX
	A/V SYSTEM SPEAKER
	SINGLE GANG BOX WITH BLANK PLATE

SECURITY SYSTEM

SYMBOL	DESCRIPTION
	DOOR CONTACT
	ELECTRIC DOOR STRIKE
	EGRESS PUSH BUTTON
	ELECTRONIC KEYPAD
	C.C.T.V. CAMERA
	MOTION DETECTOR

FIRE ALARM SYSTEM

SYMBOL	DESCRIPTION
	FIRE ALARM AUTOMATIC SMOKE DETECTOR. NEW SHALL MATCH EXISTING AND BE CONNECTED INTO THE SYSTEM
	SMOKE ALARM C/W RELAY FOR DOOR HOLD OPEN DEVICE
	FIRE ALARM AUTOMATIC HEAT DETECTOR. NEW SHALL MATCH EXISTING AND BE CONNECTED INTO THE SYSTEM
	FIRE ALARM HORN
	FIRE ALARM STROBE
	COMBINATION FIRE ALARM HORN & STROBE, NEW SHALL MATCH EXISTING
	FIRE ALARM MANUAL PULL STATION NEW TO MATCH EXISTING (UNLESS DUAL CONTACT TYPE AT MAGLOCK) AND BE CONNECTED INTO THE SYSTEM
	AUTOMATIC SHUT-OFF GAS VALVE TO BE INTERLINKED WITH FIRE SUPPRESSION PULL STATION.

DRAWING LIST

DWG. NO.	DESCRIPTION
E-1.0	ELECTRICAL SPECIFICATIONS, LEGEND, AND DRAWING LIST
E-1.1	ELECTRICAL DETAILS
E-1.2	ELECTRICAL DETAILS
E-1.3	ELECTRICAL DETAILS AND SCHEDULES
E-1.4	LUTRON ATHENA LIGHTING CONTROL SCHEMATIC
E-1.5	KITCHEN EXHAUST HOOD DETAILS
E-2.0	BASEMENT – DEMO AND NEW – LIGHTING AND FIRE ALARM / POWER AND COMMUNICATIONS PLAN
E-3.0	LEVEL 1 – DEMO AND NEW – LIGHTING AND FIRE ALARM PLAN
E-4.0	LEVEL 1 – DEMO AND NEW – POWER AND COMMUNICATIONS PLAN
E-5.0	ROOF – DEMO AND NEW – ELECTRICAL PLAN

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PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
1070 BATHURST STREET

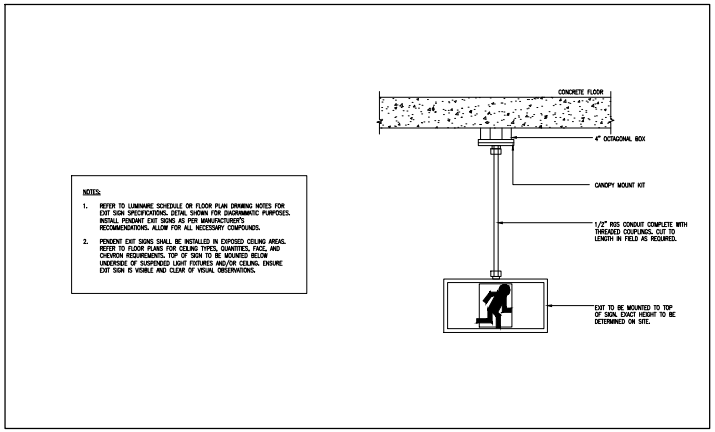
CLIENT
LCG GROWTH PARTNERS INC.

ISSUED/REVISED	NO.	DESCRIPTION	DATE
	1	ISSUED FOR CONSTRUCTION	21 JUN 24
	2	ISSUED FOR 100% CD	12 MAY 24
	3	ISSUED FOR 50% CD	11 APR 24
	4	ISSUED FOR TENDER	28 MAR 24
	5	ISSUED FOR PERMIT	15 MAR 24
	6	ISSUED FOR 100% CD	12 MAR 24
	7	ISSUED FOR 50% CD	15 FEB 24
	8	ISSUED FOR REVIEW	12 FEB 24
	9	ISSUED FOR REVIEW	31 JAN 24

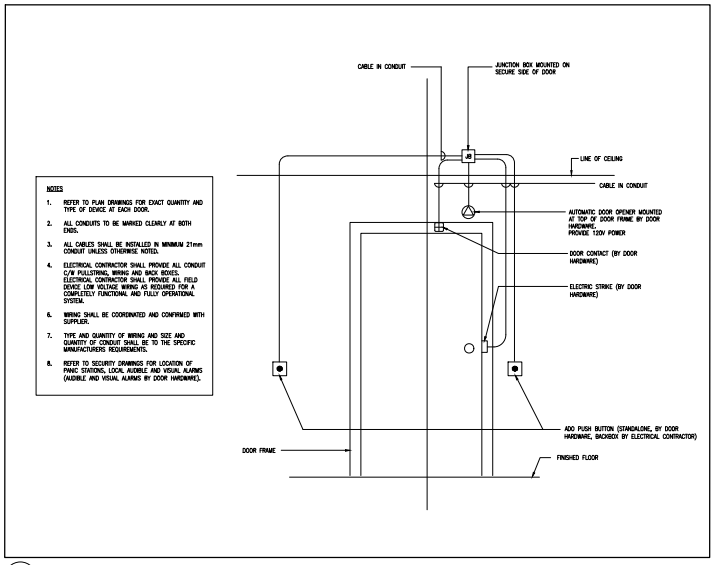
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ELECTRICAL SPECIFICATIONS, LEGEND, AND DRAWING LIST

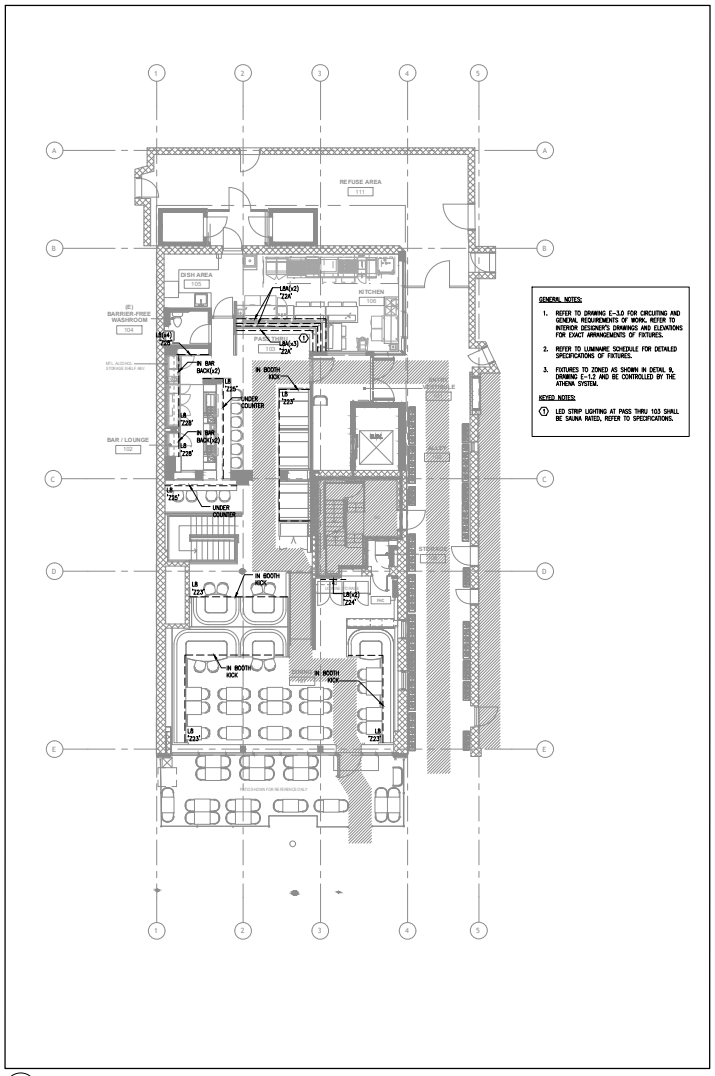
E-1.0



3 E-1.1 PENDANT MOUNT EXIT SIGN DETAIL
N.T.S



2 E-1.1 AUTOMATIC DOOR DETAIL
N.T.S



1 E-1.1 MILLWORK LIGHTING DETAIL
N.T.S

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STAMP

PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
1070 BAYMEADOWS STREET

CLIENT
LOS GROWTH PARTNERS INC.

NO.	DESCRIPTION	DATE
9	ISSUED FOR CONSTRUCTION	21 JUN 24
8	ISSUED FOR 100% CD	12 MAY 24
7	ISSUED FOR 50% CD	11 APR 24
6	ISSUED FOR TENDER	28 MAR 24
5	ISSUED FOR PERMIT	15 MAR 24
4	ISSUED FOR 100% DD	01 MAR 24
3	ISSUED FOR 50% DD	16 FEB 24
2	ISSUED FOR REVISIONS	12 FEB 24
1	ISSUED FOR REVIEW	31 JAN 24

CAD BLOCKS

SHEET NAME
ELECTRICAL DETAILS

SHEET NUMBER
E-1.1

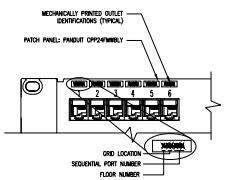
LIGHTING CONTROL ZONING				
ZONE	AREA	FIXTURE	DIMMING	CIRCUIT
21	PASS THRU 103	L1A	0-10V	A2-55
22		L1A	0-10V	A2-55
22A		L8A	PHASE	A2-56
23	ENTRY VESTIBULE 101	L1A, L1B	0-10V	A2-57
24		L11	PHASE	A2-57
25	BAR/LOUNGE 102	L1A	0-10V	A2-55
26		L1A, L10	0-10V	A2-55
27	B.F. W/R 104	L1A, L9	0-10V, PHASE	A2-55
28	STAIRS	L2	PHASE	A2-57
29		L2A	PHASE	A2-57
210	BAR/LOUNGE 102	L2A	PHASE	A2-57
211		L2	PHASE	A2-57
212		L11	PHASE	A2-57
213		L2	PHASE	A2-57
214	STAIRS	L2	PHASE	A2-57
215	BAR/LOUNGE 102	L1B	0-10V	A2-57
216	DINING 107	L1B	0-10V	A2-59
217	BAR/LOUNGE 102	L1A, L11	0-10V, PHASE	A2-57
218	DINING 107	L1A	0-10V	A2-59
219		L1B, L2A	PHASE, 0-10V	A2-59
220		L1A	0-10V	A2-59
221		L2	PHASE	A2-59
222	PATIO	EX	PHASE	A2-72
223	BOOTH KICKS	L8	PHASE	SEE PLANS
224	SERVER/WINE STATION	L8	PHASE	A2-59
225	BAR/LOUNGE 102	L8	PHASE	A2-56
226	ALLEY 100	L14	PHASE	A-58
228	BAR/LOUNGE 102	L8	PHASE	A2-56
229	CORRIDOR 001	L1A	0-10V	A2-45
230		L5	PHASE	A2-45
231(A,B,C,D)	BASEMENT W/R (3 ZONES PER W/R)	L8	PHASE	A2-7
232(A,B,C,D)		L1A	PHASE	A2-7
233(A,B,C,D)		L9	PHASE	A2-7
234	STAFF AREA 005	L2	PHASE	A2-45
235		L8	PHASE	A2-45

9 / E-1.2 LIGHTING CONTROL ZONING
N.T.S.

CONDUIT FILL CHART – CAT6 CABLE	
CONDUIT SIZE	MAX CAT6 CABLES
1"	6
1 1/4"	9
1 1/2"	14
2"	24
2 1/2"	36
3"	55

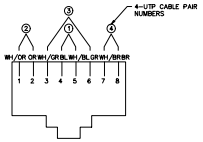
8 / E-1.2 COMMUNICATIONS CONDUIT FILL CHART
N.T.S.

NOTES
1. THIS COMMUNICATIONS CONTRACTOR SHALL PROVIDE AND INSTALL MECHANICALLY PRINTED OUTLET IDENTIFICATIONS FOR EACH PORT.
2. ALL LABELS AT PATCH PANEL SHALL MATCH PORT NUMBER ON THE FLOOR.
3. NO SEQUENTIAL NUMBERS ARE TO BE SKIPPED. IF A LOCATION IS REMOVED AND A NUMBER IS LEFT WITHOUT A JACK ASSOCIATED WITH IT THAN A BLANK SPOT SHALL BE LEFT IN THE PATCH PANEL.



7 / E-1.2 PATCH PANEL LABELING DETAIL
N.T.S.

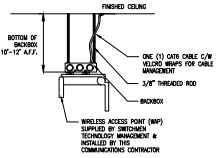
NOTES
1. TYPICAL FOR ALL TERMINATIONS.



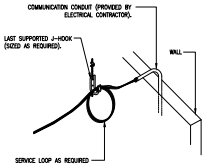
EIA-568B WIRING SCHEME

6 / E-1.2 RJ45 MODULAR INSERT – WIRING SCHEME – T568B
N.T.S.

NOTES
1. IF THERE ARE NO OBSTRUCTIONS, THE WAP MAY BE MOUNTED DIRECTLY ON T-BAR CEILING TILE USING MOUNTING BRACKET SUITABLE FOR WAP.

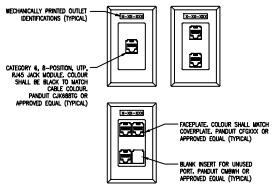


5 / E-1.2 WIRELESS ACCESS POINT (WAP)
N.T.S.

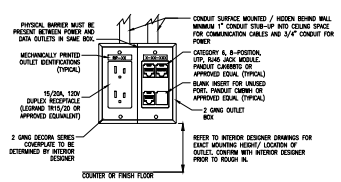


NOTES
1. A "SERVICE LOOP" FOR EVERY HORIZONTAL CABLE SHALL BE STORED IN THE CEILING ABOVE THE OUTLET IN SPACES WHERE CABLES ARE ROUTED IN THE CEILING SPACE OF THE FLOOR BELOW (I.E. CONC DRILLS). CABLES SHALL BE STORED IN THE CEILING OF THE FLOOR BELOW OR PRIOR TO ENTERING RACEWAY.
2. THE LOOP SHALL BE PLACED IN THE CEILING AT THE LAST SUPPORT (I.E. J-HOOK) BEFORE THE CABLES ENTER A FISHABLE WALL CONDUIT, CONDUIT, SURFACE RACEWAY, OR BOX.
3. SERVICE LOOP LENGTH SHALL BE 10" (3 M) LONG.
4. LOOP RADIUS SHALL BE ATLEAST 4X THE MINIMUM BEND RADIUS FOR THE CABLE.
5. TOTAL LENGTH OF THE HORIZONTAL CABLE INCLUDING THE LOOP SHALL NOT EXCEED 295' (90 M).

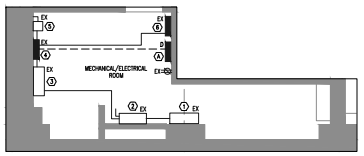
4 / E-1.2 HORIZONTAL CABLING INSTALLATION DETAIL
N.T.S.



3 / E-1.2 RECESSED DATA OUTLET (1/2/3 CABLES)
N.T.S.



2 / E-1.2 RECESSED POWER/DATA/TEL OUTLET DETAIL
N.T.S.



EXISTING EQUIPMENT TO REMAIN:
1. TORONTO HYDRO ELECTRICAL METER
2. 600A MAIN DISCONNECT SWITCH, 120/208V, 3P4W
3. HOUSE ELECTRICAL METER
4. PANEL 'A' – 120/208V, 3P4W, 84 CIRCUIT
5. ELEVATOR FEED DISCONNECT SWITCH
6. PANEL 'A2' – 120/208V, 3P4W, 72 CIRCUIT

EQUIPMENT TO BE REMOVED:
A. REMOVE EXISTING LUTRON LIGHTING CONTROL PANEL LCP128. TO BE REPLACED WITH LUTRON ATHENA LIGHTING CONTROL PANELS. REFER TO PLANS FOR MORE DETAIL.

1 / E-1.2 ELECTRICAL ROOM – EXISTING AND DEMO LAYOUT
1/4" = 1'-0"

ASSEMBLEDGE+
8255 W SUNSET BLVD SUITE 920
LOS ANGELES, CA 90028
assembledge.com
+1 323 951 0045

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www.theaquilagroup.com

PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
10 TEMPERANCE STREET

CLIENT
LCG GROWTH PARTNERS INC.

NO.	DESCRIPTION	DATE
9	ISSUED FOR CONSTRUCTION	21 JUN 24
8	ISSUED FOR 100% CD	12 MAY 24
7	ISSUED FOR 50% CD	11 APR 24
6	ISSUED FOR TENDER	28 MAR 24
5	ISSUED FOR PERMIT	15 MAR 24
4	ISSUED FOR 100% CD	12 MAR 24
3	ISSUED FOR 50% CD	15 FEB 24
2	ISSUED FOR REVIEW	12 FEB 24
1	ISSUED FOR REVIEW	31 JAN 24

ELECTRICAL DETAILS

SHEET NUMBER
E-1.2

EXISTING SURFACE PANEL "KPL" FED FROM PANEL "A" CCT 66/68/70 VIA 100A,3P CB

VOLTAGE: 120/208V 3PHW

LOAD DESCRIPTION	BREAKER	CCT #	A (W)	B (W)	C (W)	CCT #	BREAKER	LOAD DESCRIPTION
SPACE		1				2		SPACE
SPACE		3				4		SPACE
SPACE		5				6		SPACE
SPACE		7				8		SPACE
SPACE		9				10		SPACE
SPACE		11				12		SPACE
		13				14		SPACE
EX – @5 OVEN	40A,3P "D"	15				16		SPACE
		17				18	15A,1P *	REC – BAR
REC – BAR	20A,1P	19				20	15A,1P *	REC – BAR
SPACE		21				22	20A,1P	EX – BAR COUNTER
EX – UPRIGHT FREEZER	20A,2P	23				24	15A,1P	EXISTING
		25				26	15A,1P	EX
EX – MIXER RECEPTACLE	20A,2P	27				28	20A,2P	EX – SOUTH COUNTER LEFT SPLIT REC
		29				30		
TOTAL LOADING PER PHASE			0	0	0			

Total Connected Load	0
Expected Demand Load	0
Expected Amps	0

LEGEND:
"*" – DENOTES NEW BREAKER AS PER RATING NOTED ABOVE
"#" – DENOTES NEW GFI BREAKER AS PER RATING NOTED ABOVE
"^" – DENOTES HANDLE LOCK ON BREAKER

EXISTING SURFACE PANEL "AZ" FED FROM PANEL "A" CCT 79/81/83 VIA 100A,3P CB

VOLTAGE: 120/208V 3PHW

LOAD DESCRIPTION	BREAKER	CCT #	A (W)	B (W)	C (W)	CCT #	BREAKER	LOAD DESCRIPTION
OFFICE PLUGS	15A,1P	1				2	15A,1P	OFFICE PLUGS
EX – UTILITY PLUGS	15A,1P	3				4	15A,1P	WINE FRIDGE
POS PRINTERS – PASS-THRU	15A,1P	5				6	15A,1P	EX – HOT WATER TANK
LGT – SIGNT, W/R	20A,1P *	7				8	15A,1P	EX – HOT WATER TANK
@66 30 QT. FLOOR MIXER	20A,1P	9		1605		10	15A,1P	EX – HOT WATER RECIRC
@72 HOT HOLDING CABINET	15A,1P	11			1030	12	15A,1P	OFFICE PRINTER
EX – KITCHEN COUNTER PLUG	15A,1P	13				14	15A,1P	EX – PANEL REC.
@28 BACK BAR COOLER	15A,1P	15		180		16	15A,1P	SPARE
EX	20A,1P	17			340	18	15A,1P *	@81 FRIDGE
@5 UTILITY RECEP.	15A,1P	19				20	20A,1P	@23 UTILITY RECEPTACLE
REC – DJ BOOTH	20A,1P	21				22	15A,1P *	EMERGENCY L1
ADD – ENTRANCE	15A,1P	23				24	15A,1P *	EMERGENCY BASEMENT
REC – DJ BOOTH	20A,1P	25	120			26	15A,1P "D"	@3 PASTA COOKER
U/C WINE FRIDGE	15A,1P	27				28	15A,3P	EX – ICE MACHINE
ADD – PATIO	15A,1P	29				30		
EX – CEILING FANS	15A,1P	31	200			32	15A,1P	SUBWOOFER PLUG
@26 UTILITY REC	15A,1P	33		200		34	15A,1P	SUBWOOFER PLUG
EH-1 – ENTRY	30A,3P	35			2000	36	15A,1P	HOST STAND FLOOR BOX
		37	2000			38	15A,1P	ATHENA SHADES PANEL
EX – EXT. COOLER	20A,1P	39				40	15A,3P	EX – ICE MAKER
EX – EXT. COOLER LIGHTS	15A,1P	41				42		
EX – RSWT. ICE MACHINE	15A,1P	43				44	15A,1P	EX – WINE FRIDGE
LTG – BASEMENT	20A,1P *	45		495		46	15A,1P	EX – WINE FRIDGE
@60 REACH-IN FREEZER	15A,1P *	47			720	48		
PROJECTOR SCREEN	15A,1P *	49				50	20A,3P	EX – PRIVATE D/R CONDENSER
REC – PROJECTOR	15A,1P *	51				52		
STAFF AREA RECEPTACLES	15A,1P *	53				54	15A,1P	@30 BACK BAR COOLER
LTG – PASS THRU @ BAR	20A,1P **	55	220			56	15A,1P	@28 BACK BAR COOLER
LTG – MAIN ENTRY	20A,1P *	57		930		58	15A,1P	REC – @OOH LEDS
LTG – DINING	20A,1P *	59			1100	60	15A,1P	REC – @OOH LEDS
SPACE		61				62	15A,1P	EX
SPACE		63				64	15A,1P	EX
SPACE		65				66	20A,1P	EX
SPACE		67				68	20A,1P	EX
SPACE		69				70	30A,3P	EX
SPACE		71				72		
TOTAL LOADING PER PHASE			2040	3055	5160			

Total Connected Load	7970
Expected Demand Load	6378
Expected Amps	17.7

LEGEND:
"*" – DENOTES NEW BREAKER AS PER RATING NOTED ABOVE
"#" – DENOTES NEW GFI BREAKER AS PER RATING NOTED ABOVE
"^" – DENOTES HANDLE LOCK ON BREAKER

EXISTING SURFACE PANEL "A" FED FROM 600A MAIN DISCONNECT

VOLTAGE: 120/208V 3PHW

LOAD DESCRIPTION	BREAKER	CCT #	A (W)	B (W)	C (W)	CCT #	BREAKER	LOAD DESCRIPTION
EXISTING	15A,1P	1				2		
@58 CUSTOM FRIDGE	15A,1P	3				4	60A,3P	EX – DISHWASHER
EX – RANGE	15A,1P	5				6		
EX – REACH IN COOLER	15A,1P	7	590			8	15A,1P	@56 UNDERCOUNTER FRIDGE
PATIO POS	15A,1P	9		1200	300	10	15A,1P	BAR TV RECEPTACLES
SUBWOOFER PLUG	15A,1P	11			200	12	15A,1P	@24 UNDERCOUNTER FRIDGE
EX – POS STATION	15A,1P	13				14	20A,1P	SPARE
EX – COFFEE GRINDER	15A,1P	15				16	15A,2P	EX – GLASSWASHER
SUBWOOFER PLUG	15A,1P	17			200	18		
EX – OUTDOOR FREEZER	20A,1P	19				20	15A,1P	EX – FRONT DOOR OPERATOR
EX – ICE MAKER	20A,1P	21				22	15A,1P *	@64 UTILITY REC
@58 FLOOR MIXER	20A,1P	23			1500 340	24	15A,1P	@81 FRIDGE
@59 CUSTOM FRIDGE	15A,1P	25				26	20A,1P	OFF
EX – ESPRESSO MACHINE	20A,2P	27				28	30A,3P	EX – RTU
		29				30		
SUBWOOFER PLUG	15A,1P	31	200			32		
EX – A/C RTU	50A,3P	33				34	20A,2P	EX – COFFEE MAKER
		35				36		
		37	380			38	15A,1P "D"	@5 REFRIGERATED BASE
U/C WINE FRIDGE	15A,1P	39				40	20A,2P	EX
REC – ROOF	20A,1P	41				42		
EX – A/C RTU	40A,3P	43				44	15A,1P	@6 HOOD SUPPRESSION SYSTEM
		45				46	15A,1P	EX – ICE CUBER
		47			1200	48	15A,1P "D"	@51 GAS FRYER
EX – DISHWASHER EXHAUST	15A,1P	49				50	15A,2P *	@36 WATER FILTRATION
MUA – 2	40A,3P *	51		1863		52		
		53			1863	54	15A,2P *	@27 HEAT LAMPS
		55	1863			56		
EX – KITCHEN LIGHTS	15A,1P	57		300		58	20A,1P	LTG – EXTERIOR ALLEY
KITCHEN SCREENS	15A,1P	59				60	40A,2P	EX – ENTRANCE HEATER
		61	1243			62		
F-4	30A,3P *	63		1243		64	15A,1P	EXTERIOR SIGN
		65			1243	66		
EX – FSH MAIN ENTRANCE	60A,3P	67				68	100A,3P	EX – PANEL "KPL"
		69				70		
		71				72	15A,1P	PATIO LIGHTS
SPARE	40A,3P	73				74	15A,1P	EX – GAS CONVEC. OVEN
		75				76	20A,2P	EX
@20 UTILITY RECEPTACLE	15A,1P	77				78		
		79				80	15A,2P *	@27 HEAT LAMPS
EX – PANEL "AZ"	100A,3P	81				82	15A,1P	EX – ROOF FAN
		83				84		
TOTAL LOADING PER PHASE			3976	4906	6548			

Total Connected Load	15428
Expected Demand Load	12342.4
Expected Amps	34.3

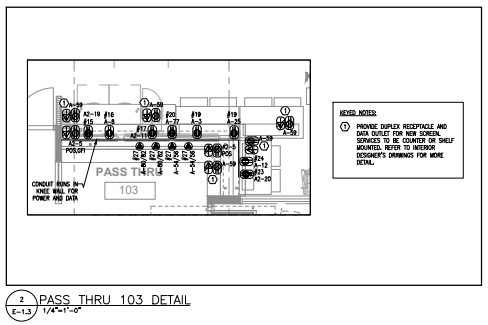
LEGEND:
"*" – DENOTES NEW BREAKER AS PER RATING NOTED ABOVE.
"#" – DENOTES NEW GFI BREAKER AS PER RATING NOTED ABOVE
"D" DENOTES NEW SHUNT TRIP BREAKER
"^" – DENOTES HANDLE LOCK ON BREAKER

L1 PROPOSED EDPM SCHEDULE

FIXTURE	DESCRIPTION	TOTAL QTY.	MANUFACTURER	MODEL	LAMP TYPE & QTY	VOLTAGE	WATTAGE	LUMEN	NOTES	PROVIDED BY
CF01	CEILING FAN	4	ATLAS FAN COMP.	ALEXANDRIA		120V	35W	N/A	BRUSHED BRASS AND WALNUT FINISH	ELECTRICAL CONTRACTOR
ED1	PROJECTOR	1	SONY	VPL-FHZ80W		120V	387W	8000LM	MOUNT EQP. PER AV. PROVIDE TENSIONTASTIC 110D 540IN SCREEN	ELECTRICAL CONTRACTOR
SP01	SPEAKER (INTERIOR PENDANT)	13	SONANCE	PS-P83T		N/A	N/A	N/A	BLACK	OSI
SP02	SPEAKER (EXTERIOR WALL MOUNT)	5	SONANCE	PS-S83T WR		N/A	N/A	N/A	BLACK	OSI
SP03	SPEAKER (INTERIOR CEILING)	6	SONANCE	PS-C83RT		N/A	N/A	N/A	WHITE	OSI
SP04	SUB WOOFERS (INTERIOR HANGING)	6	SONANCE	PS-S2105UBT		120V	500W	N/A	BLACK	OSI
SH01	AUTOMATIC SHADES	2	LUTRON	SILHOA QS OR APPROVED EQUAL	POCKET MOUNTED ROLLER SHADE	120V	N/A	N/A	SHADE SPECS TBC WITH EL PROVIDE ALL WIRING AND CONNECTIONS FOR INTEGRATION W/ ATHENA SYSTEM.	ELECTRICAL CONTRACTOR
H01	SOFFIT MOUNTED HEATER (EXT.)	1	INFRATECH	SL2428BL	SUM LINE	208V	4000W	N/A	BLACK, POWER HOOKUP BY ELECTRICAL CONTRACTOR.	MECHANICAL CONTRACTOR
SPA / SER	COUNTER OR SHELF MOUNTED BOH POS SCREEN	5	TBD	TBD		120V	TBC	N/A	MOUNT TO MATCH SHELF FIN.	OSI

L0 PROPOSED EDPM SCHEDULE

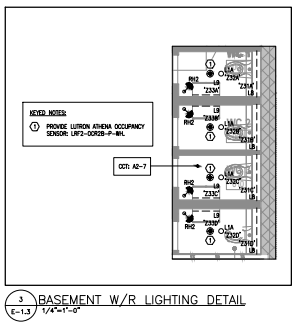
FIXTURE	DESCRIPTION	TOTAL QTY.	MANUFACTURER	MODEL	LAMP TYPE & QTY	VOLTAGE	WATTAGE	LUMEN	NOTES	PROVIDED BY
SP03A	SPEAKER (INTERIOR CEILING) LO	2	SONANCE	PS-C83RT	N/A	N/A	N/A	N/A	WHITE	OSI



KEYED NOTES:

1. PROVIDE DUPLEX RECEPTACLE AND DATA OUTLET FOR NEW SCREEN. SERVICES TO BE COUNTER OR SHELF MOUNTED, REFER TO INTERIOR DESIGNER'S DRAWINGS FOR MORE DETAIL.

2 E-1.3 PASS THRU 103 DETAIL
1/4"=1'-0"



KEYED NOTES:

1. EXISTING LUTRON ATHENA OCCUPANCY SENSOR: LRF2-OCR2B-P-WH.

3 E-1.3 BASEMENT W/R LIGHTING DETAIL
1/4"=1'-0"

L1 – FOOD AND BEVERAGE EQUIPMENT SCHEDULE

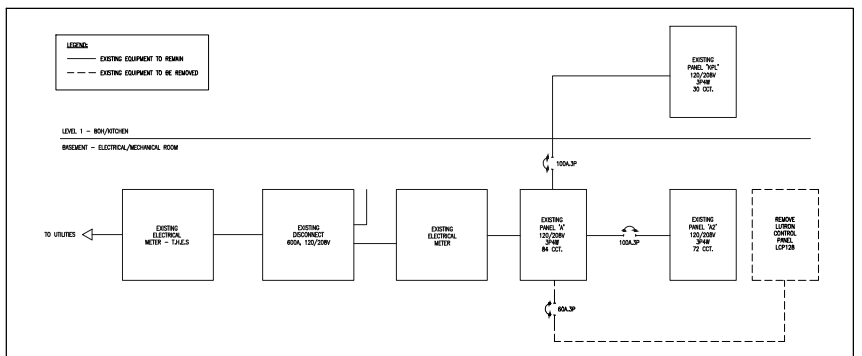
ITEM NO.	QTY	EQUIPMENT	MANUFACTURER	AMPS	KW	HP	VOLTAGE	PHASE	TYPE	FEED SIZE	BREAKER	CIRCUIT	NOTES
1	1	FIRE SUPPRESSION	ECONOHOOD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1. COORDINATE WITH MECHANICAL TRADE AND F&B CONTRACTOR 2. INTERLINK WITH AUTOMATIC GAS SHUT-OFF VALVE AND ALL SHUNT TRIP BREAKERS 3. REFER TO SHOP DRAWINGS FOR COMPLETE INSTALLATION REQUIREMENTS
2	1	EXHAUST HOOD (CONTROL PANEL)	ECONOHOOD	15			120	1	DIRECT CONNECTION	2-#12CU IN 21mmC	15A,1P	A-44	1. PROVIDE 120V DIRECT CONNECTION TO CONTROL PANEL 2. PROVIDE WIRING FROM CONTROL PANEL TO HOOD LIGHTS JUNCTION BOX 3. PROVIDE ALL WIRING TO SENSORS AND SWITCHES PER THE MANUFACTURER'S SHOP DRAWINGS.
3	1	COMBI OVEN STEAMER				20HP	3	DIRECT CONNECTION		40A,3P	KPL – 13/15/17	1. EXISTING EQUIPMENT TO BE RELOCATED – RELOCATE EXISTING ELECTRICAL SERVICE
8	1	REFRIGERATED BASE	TURBO AIR NO. PREP-48R-N	3.2	0.38	0.25	120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-38	
11	1	FRYMASTER GAS FRYER	FRYMASTER MODEL NO. 2FGM50T	10	1.2		120	1	120V DIRECT	2-#12CU IN 21mmC	15A,1P	1: A-48	
13	1	PASTA COOKER	PITCO MODEL NO. SSP0814	1	0.12		120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A2-26	
15	1	STAINLESS STEEL CABINET BASE C/W HAND SINK		15			120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A2-19	1. UTILITY RECEPTACLE (ENSURE GFI PROTECTED) 2. 42" AFF (CONFIRM HEIGHT W/ ID & F&B CONSULTANT)
16	1	UNDERCOUNTER REFRIGERATOR	TURBO AIR MODEL NO. MUR-48-N	2.4	0.29	0.20	120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-8	
17	1	BUILT-IN HOT HOLDING CABINET	ALTO-SHAAM	8.4	1		120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A2-11	
19	2	PREP TABLE C/W 4 DRAWERS	*CUSTOM FABRICATED*	15			120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	½ A-3 2: A-25	1. REFER TO SHOP DRAWINGS FOR COMPLETE INSTALLATION REQUIREMENTS 2. ASSUME NEMA 5-15R
20	1	STAINLESS STEEL CABINET BASE		15			120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-77	1. UTILITY RECEPTACLE
--	1	VERTICAL WINE FRIDGE RW 105		15			120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A2-4	1. RECEPTACLE IN STORAGE 105
23	1	UTILITY RECEPTACLE	N/A	20			120	1	NEMA 5-20R	2-#12CU IN 21mmC	20A,1P	A2-20	1. UTILITY RECEPTACLE, CONFIRM LOCATION WITH F&B CONSULTANT
24	1	UNDERCOUNTER FRIDGE	*CUSTOM FABRICATED*	2.5	0.3	0.33	120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-12	1. REFER TO SHOP DRAWINGS FOR COMPLETE INSTALLATION REQUIREMENTS 2. ASSUME NEMA 5-15R
28	1	S/S WORK TABLE C/W DOUBLE PREP SINK		15			120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A2-33	1. UTILITY RECEPTACLE (ENSURE GFI PROTECTED)
27	4	FRONT COUNTER AND HEAT LAMPS	BY I.D.	3.2	0.67		208	1	DIRECT CONNECTION	2-#12CU IN 21mmC	(2) 15A,2P	1. A-54/56 2. A-80/82	
30	1	2-DOOR UNDERCOUNTER FREEZER	TURBO AIR PUF-48-S4-N	8		0.3	120	1	120V DIRECT	2-#12CU IN 21mmC	15A,1P	A2-15	
29	1	FLOOR MIXER	GLOBE SP30	16		1	120	1	NEMA 5-20R	2-#12CU IN 21mmC	20A,1P	A2-23	
32	1	4-DOOR REMOTE BACK BAR COOLER	PERLICK RBRM60	2.5	0.3		120	1	DIRECT CONNECTION	2-#12CU IN 21mmC	15A,1P	A2-24	1. PROVIDE CONNECTION TO COMPRESSOR ON ROOF
31	1	GLASSWASHER	EXISTING				208	1	DIRECT CONNECTION	2-#12CU IN 21mmC	15A,2P	A-16/18	1. EXISTING EQUIPMENT TO BE RELOCATED – RELOCATE EXISTING ELECTRICAL SERVICE
SPARE													
34	1	ESPRESSO MACHINE					208	1	NEMA 6-20R	2-#12CU IN 21mmC	20A,3P	A-27/19	1. EXISTING EQUIPMENT TO BE RELOCATED – RELOCATE EXISTING ELECTRICAL SERVICE
35	1	COFFEE GRINDER					120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-15	1. EXISTING EQUIPMENT TO BE RELOCATED – RELOCATE EXISTING ELECTRICAL SERVICE
36	1	WATER FILTRATION SYSTEM		(2) 2.3	0.85	0.2	208	1	DIRECT CONNECTION	2-#12CU IN 21mmC	15A,2P	A-50/52	
38	1	1-DOOR BACK BAR COOLER	PERLICK HR24F54	2.4			120	1	NEMA 5-15R	2-#12 CU IN 21mmC	15A,1P	A2-36	
40	2	STORAGE CABINET UTILITY RECEPTACLE	*CUSTOM FABRICATED*	15			120	1	NEMA 5-15R	2-#12 CU IN 21mmC	15A,1P	1: KPL-28 2: KPL-20	1. UTILITY RECEPTACLE
41	2	COCKTAIL MIX UTILITY RECEPTACLE	GLASSTENDER	15			120	1	NEMA 5-15R	2-#12 CU IN 21mmC	15A,1P	1: KPL-28 2: KPL-20	1. UTILITY RECEPTACLE

NOTES: REFER TO FOOD AND BEVERAGE DRAWINGS FOR EXACT LAYOUT OF EQUIPMENT

L0 – FOOD AND BEVERAGE EQUIPMENT SCHEDULE

ITEM NO.	QTY	EQUIPMENT	MANUFACTURER	AMPS	KW	HP	VOLTAGE	PHASE	TYPE	FEED SIZE	BREAKER	CIRCUIT	NOTES
60	2	2-DOOR REACH-IN FREEZER	TURBO AIR M2F-67-2-N	(2) 4.3	(2) 0.72	(2) 0.67	120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	½: A2-47 2: A2-48	
61	1	2-DOOR REACH-IN COOLER	TURBO AIR M2R47-2-N	2.8	0.34	0.33	120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-24	
64	1	WORK TABLE C/W SINK		15			120	1	NEMA 5-15R	2-#12CU IN 21mmC	15A,1P	A-22	1. UTILITY RECEPTACLE (ENSURE GFI PROTECTED)
66	1	30 QT. FLOOR MIXER	GLOBE SP30	16		1.00	120	1	NEMA 5-20R	2-#12CU IN 21mmC	20A,1P	A2-9	

NOTES: REFER TO FOOD AND BEVERAGE DRAWINGS FOR EXACT LAYOUT OF EQUIPMENT



1 E-1.3 SINGLE LINE DIAGRAM – DEMO AND EXISTING
N.T.S.

LUMINAIRE SCHEDULE

TAG	MANUFACTURER	MODEL	MOUNTING	VOLTAGE	POWER	LUMENS	FINISH	CRI	COLOUR TEMP	DESCRIPTION
L1A	LIGHTHEADED	AURORA RECESSED POT LIGHT TRIM: 2-120-TL-09-WHO-BRO28-27-8010 HOUSING/DRIVER: 2HB-7-R-TL-3-A-120	RECESSED	120V	9W	1000LM	GOLD	80	2700K	1. 0-10V DIMMING (1%)
L1B	LIGHTHEADED	STARLITE RECESSED WALL WASHER TRIM: 2-187-TL-09-BRO28-27-8010 HOUSING/DRIVER: 2HB-7-R-TL-3-A-120	RECESSED	120V	9W	1000LM	GOLD	80	2700K	1. 0-10V DIMMING (1%)
L2	JUNO	10W LED CYLINDER R60BL-27-90-PDM-WFL-BL	TRACK	120V	10W	1000LM	BLACK	80	2700K	1. PAIRED WITH TRAC-LITES R TRAC 2. PHASE DIMMING (1%)
L2A	JUNO	10W LED CYLINDER R60BL-27-90-PDM-WFL-BL	TRACK	120V	10W	1000LM	BLACK	80	2700K	1. PAIRED WITH TRAC-LITES R TRAC 2. PHASE DIMMING (1%)
L5	WEST ELM	LIGHT RODS LED WALL SCONCE	SURFACE	120V	20W	496LM	ANTIQUE BRASS	TBD	2700K	1. PHASE DIMMING 2. CONFIRM FINISH WITH ID
L8	RJ CROSS	DIFFUSION LED STRIP SLI-8L-10-24-2700K	SURFACE	24V DC	1.5W/FT	120LM/FT	BY ID	90	2700K	1. CONFIRM FINISH AND LENGTH WITH ID 2. PHASE DIMMING 3. PROVIDE 120V-24V POWER SUPPLY
L8A	LED CO	LCL524WCSP-10W-27K-IP66 HOUSING: LCPROF-88-3-GR-ST-NH	SURFACE	24V DC	2W/FT	100LM/W	BY ID	90	2700K	1. STRIP LIGHT C/W ALUMINUM PROFILE HOUSING 2. CONFIRM FINISH AND LENGTH WITH ID 3. SAUNA RATED 4. PHASE DIMMING 5. PROVIDE 120V-24V POWER SUPPLY
L9	WAYFAIR–ORREN ELLIS	OVEL LED BATHROOM VANITY MIRROR W/ ANTI-FOG AND DIMMABLE MODEL NO. W000177791	SURFACE	120V	TBD	TBD	BY ID	XXX	XXX	1. REQUIRES 20 AMP GFI PROTECTED CIRCUIT
L10	LIGHTHEADED	LED PIPE "I" PENDANT CYLINDER: CIP-8-13-2B-L22-27-8002-RT DRIVER: 2TB-700-1-A-PT-120	SUSPENDED	120V	2W	180LM	GOLD	90	2700K	1. 0-10V DIMMING (1%)
L11	CEDAR & MOSS	RIDGE CORD PENDANT LAMPING: E26 MEDIUM BASE	SUSPENDED	120V	60W MAX	800LM	BRASS	XXX	2700K	1. PHASE DIMMING (1%) 2. PROVIDE E26 MEDIUM BASE BULB, 60W MAX, 2700K
L13	PACO LIGHTING	LINEAR LED SHOP LIGHT PSPC-45-L-40-35-HS-WV-AC-ND	SUSPENDED	120V	28W	4064LM	WHITE	80	3500K	
L14	BL LIGHTING	SPOT GLOBE INC SERIES BL-SPOTGLOBE-MC-09-MLV-IP65-EXT	SUSPENDED	24V AC	5W/LAMP	28LM/LAMP	BLACK	XXX	XXX	1. MLV DIMMING 2. CONFIRM SPACING WITH INTERIOR DESIGNER 3. PROVIDE 120V-24V POWER SUPPLY
L15	LITHONIA LIGHTING	CONFIGURABLE LED FLAT PANEL CPX-2X2-ALO7-60-SWW7-SBL-120	RECESSED	120V	30W	2500/3200/4000LM	WHITE	80	3500/4000/5000K	1. REPLACEMENT IN-KIND IN KITCHEN
EMERGENCY										
X1	LUMACELL	EXTRUDED ALUMINUM PICTOGRAM EXIT SIGN LA-S-B-U	UNIVERSAL	12V	3W	N/A	N/A	N/A	N/A	1. SEE PLAN FOR ARROW DIRECTION AND NUMBER OF FACES
X2	LUMACELL	EXTRUDED ALUMINUM COMBINATION UNIT LAC-A-W-12SS-2-LDI	UNIVERSAL	120V	30W	N/A	TBD	N/A	N/A	1. SEE PLAN FOR NUMBER OF FACES/MOUNTING 2. COMBO EXIT SIGN C/W 30 MIN. BACKUP
RH1	LUMACELL	DECORATIVE REMOTE HEAD DR-X-130-WH-MR16-LDI4	UNIVERSAL	24V	6W	N/A	WHITE	N/A	N/A	1. DECORATIVE REMOTE HEAD C/W 30 MIN. BACKUP 2. REFER TO PLAN FOR NUMBER OF HEADS
RH2	LUMACELL	RECESSED REMOTE HEAD RSTH-19-WH-MR16-LDI4	UNIVERSAL	24V	6W	N/A	WHITE	N/A	N/A	1. DECORATIVE REMOTE HEAD C/W 30 MIN. BACKUP 2. CONFIRM FINISH WITH ID

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EDPM/P

PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
10TH AVENUE & STREET

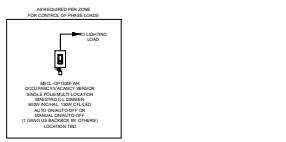
CLIENT
LOS GROWTH PARTNERS INC.

NO.	DESCRIPTION	DATE
4	ISSUED FOR CONSTRUCTION	21 JUN 24
3	ISSUED FOR 100% CD	13 MAY 24
2	ISSUED FOR 50% CD	11 APR 24
1	ISSUED FOR TENDER	28 MAR 24
0	ISSUED FOR PERMIT	15 MAR 24
4	ISSUED FOR 100% CD	13 MAR 24
3	ISSUED FOR 50% CD	15 FEB 24
2	ISSUED FOR REVIEW	31 JAN 24
1	ISSUED FOR REVIEW	26 JAN 24

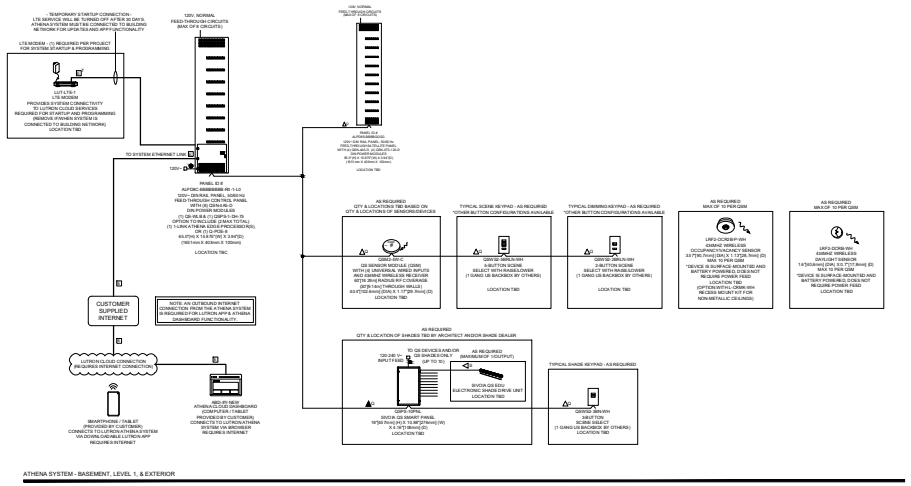
CAD FILES

SHEET NAME: ELECTRICAL DETAILS AND SCHEDULES

SHEET NUMBER: E-1.3



STANDALONE WALLBOX EQUIPMENT



ATHENA SYSTEM - BASEMENT, LEVEL 1, & EXTERIOR

1 E-1.4 LUTRON ATHENA SCHEMATIC LAYOUT
N.T.S

EMERGENCY SPECIFICATION TEMPLATE

ELECTRICAL ENGINEER TO GET BRAND EMERGENCY LIGHTING REQUIREMENTS BEGIN

NOTE: CHECK ALL APPLICABLE OPTIONS.

STEP 1 - PLEASE CHECK ONE.

☐ LUTRON TO PROVIDE EMERGENCY LIGHTING EQUIPMENT. (PROCEED TO STEP 2)

☒ EMERGENCY LIGHTING PER OTHERS (ULTRON SHALL NOT PROVIDE EMERGENCY LIGHTING EQUIPMENT) (DO NOT PROCEED AT THIS STEP)

☐ POWER PACK(S) FOR EMERGENCY LIGHTING FIXTURES SUPPLIED WITH FIXTURES

☐ ELECTRONIC DRIVER(S) FOR EMERGENCY LIGHTING FIXTURES WITH BATTERY RELAYS, FOR MISC EMERGENCY LIGHTING NOT INCLUDED IN FIXTURE SCHEDULE

☐ EMERGENCY LIGHTING FIXTURES TO BE CONNECTED TO CENTRAL BATTERY SYSTEM

STEP 1 - PLEASE CONFIRM EMERGENCY POWER SOURCE DETAILS. CHECK ALL THAT APPLY.

☐ EMERGENCY LIGHTING FIXTURES SHALL HAVE POWER INTERRUPTED DURING TRANSFER FROM NORMAL SOURCE TO EMERGENCY SOURCE. SUCH AS A GENERATOR.

☐ YES

☐ NO (PROCEED TO STEP 2)

☐ EMERGENCY LIGHTING FIXTURES SHALL HAVE UNINTERRUPTED TRANSITION FROM NORMAL SOURCE TO EMERGENCY SOURCE. SUCH AS A LIGHTING INVERTER.

STEP 2 - DOES LUTRON NEED TO PROVIDE OVERRIDE & LOCKOUT INTEGRATION FOR NON-EMERGENCY LIGHTING, SUCH AS FIRE ALARM CONTROL PANEL, MECHANICAL SECURITY ALARM INTERACTION, ETC.?

☐ YES (PROCEED TO STEP 3)

☐ NO (PROCEED TO STEP 7)

STEP 3 - LUTRON LIGHTING CONTROL SYSTEM SHALL INTEGRATE WITH THE FOLLOWING SYSTEMS (CHECK ALL THAT APPLY):

☐ FIRE ALARM CONTROL PANEL (FACP) INTERFACE

☐ SECURITY SYSTEM ALARM INTERFACE

☐ OTHER: PLEASE EXPAND

☐ OTHER: PLEASE EXPAND

☐ OTHER: PLEASE EXPAND

STEP 5 - THE FOLLOWING LIGHTING SHALL RESPOND TO THE OVERRIDE & LOCKOUT INTEGRATION REQUEST:

☐ EMERGENCY LIGHTING

☐ NON-EMERGENCY (NORMAL) LIGHTING

STEP 6 - PLEASE SELECT DEFAULT OR CUSTOM SEQUENCE OF OPERATIONS.

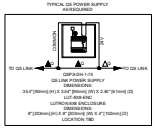
☐ DEFAULT (NON-EMERGENCY LIGHTING AND OVERRIDE & LOCKOUT ACTIONS TO NORMAL STARTING WITH ADDITIONAL OUTPUT

☐ CUSTOM. PLEASE CHECK THE BOX FOR STEP 7 AND PROVIDE APPROPRIATE DETAILS.

STEP 7:

☐ THE ABOVE TEMPLATE DOES NOT ADDRESS THE REQUIREMENTS OF THE PROJECT. PLEASE CONTACT THE LUTRON REPRESENTATIVE TO DISCUSS THE EMERGENCY LIGHTING, EMERGENCY AND OVERRIDE & LOCKOUT SETTINGS CAN BE PLACE HERE.

TYPICAL QS POWER SUPPLY
AS REQUIRED



WIRING LEGEND:

⚠1: QS CONTROL LINK. (#18 AWG WIRE DESCRIPTION BELOW)

⚠2: QS CONTROL LINK. (#22 AWG WIRE DESCRIPTION BELOW)
(CONNECT WIRES 1, 3 AND 4. DO NOT CONNECT WIRE # 2)

QS WIRING AS REQUIRED BY CONTROL LINK LENGTH
(REFER TO QS SMART PANEL POWER SUPPLY WIRING GUIDE FOR SHADE WIRING NOTES).

TOTAL CONTROL LINK LENGTH	WIRE GAUGE	AVAILABLE FROM LUTRON IN 2500' CABLE
LESS THAN 656ft (200.0 m)	POWER (1 CONDUCTOR @ 18AG THHN 19/30 STRAND) AND DATA (3 CONDUCTOR @ 22AG TWISTED AND SHIELDED 7 PAIR QS AWG 22/7 STRAND)	QSH-CBL-3M5-SHXH-2500 OR QSH-CBL-22M5-S-2500
656ft (163.4 m) TO 2,000ft (610 m) *	POWER (1 CONDUCTOR @ 16AG THHN 19/29 STRAND) AND DATA (3 CONDUCTOR @ 22AG TWISTED AND SHIELDED 7 PAIR QS AWG 22/7 STRAND)	QP-CBL-3M5-SHXH-2500 OR QSH-CBL-22M5-S-2500

ALL INTERIOR QS DATA CABLE USE APPROVED QS CAT6A LINK CABLE (22 AWG [0.5 mm²] TWISTED/SHIELDED) FROM BELDEN (MODEL #1872).

TOTAL LENGTH OF THE QS LINK MUST NOT EXCEED 2,000ft (600 m).

MAXIMUM DEVICES PER QSE OUTPUT		MAXIMUM DISTANCE PER QSE OUTPUT BASED ON WIRE GAUGE		
SHADES	+ QSM PEAK	12 AWG (4mm²) (BELDEN 1872A)	14 AWG (2.5mm²) (BELDEN 1583A)	16 AWG (1.5mm²) (BELDEN 1585A)
HOME	AP QSE-4 POWER (MAX 4A)	1,000 ft (305 m)	1,000 ft (305 m)	625 ft (190 m)

MAXIMUM DEVICES PER QSE OUTPUT		MAXIMUM DISTANCE PER QSE OUTPUT BASED ON WIRE GAUGE		
SHADES	+ QSM PEAK	12 AWG (4mm²) (BELDEN 1872A)	14 AWG (2.5mm²) (BELDEN 1583A)	16 AWG (1.5mm²) (BELDEN 1585A)
HOME	AP QSE-4 POWER (MAX 4A)	1,000 ft (305 m)	1,000 ft (305 m)	625 ft (190 m)

⚠3:

MAXIMUM DEVICES PER QSE OUTPUT		MAXIMUM DISTANCE PER QSE OUTPUT BASED ON WIRE GAUGE		
SHADES	+ QSM PEAK	12 AWG (4mm²) (BELDEN 1872A)	14 AWG (2.5mm²) (BELDEN 1583A)	16 AWG (1.5mm²) (BELDEN 1585A)
120 WAGE QS SHADES (MAX 6A)	AP QS POWER (MAX 6A)	500 ft (150m)	300 ft (90m)	150 ft (45m)
ONE HALF BUILDING (SHIP'S STYLE) SIZE	AP QS 1 POWER (MAX 6A)	250 ft (80m)	75 ft (24m)	50 ft (15m)
ONE HALF FLOOR OF TYPICAL OFFICE BUILDING				

MAXIMUM DEVICES PER QSE OUTPUT		MAXIMUM DISTANCE PER QSE OUTPUT BASED ON WIRE GAUGE		
SHADES	+ QSM PEAK	12 AWG (4mm²) (BELDEN 1872A)	14 AWG (2.5mm²) (BELDEN 1583A)	16 AWG (1.5mm²) (BELDEN 1585A)
120 WAGE QS SHADES (MAX 6A)	AP QS POWER (MAX 6A)	500 ft (150m)	300 ft (90m)	150 ft (45m)

- INPUT POWER (NORMAL/EMERGENCY)
- INPUT POWER (NORMAL)
- 2 #12AWG (4 mm²)
- 2 #12AWG (4 mm²)
- 0-10V SIGNAL - 2 #18AWG (1.0mm²)
- CONTACT CLOSURE SIGNAL - 2 #18AWG (1.0mm²)
- CONTACT CLOSURE SIGNAL - 3 #18AWG (1.0mm²)
- CLEAR CONNECT - TYPE A WIRELESS SIGNAL
- CLEAR CONNECT - TYPE A 2-WAY WIRELESS SIGNAL
- CLEAR CONNECT - TYPE X WIRELESS SIGNAL
- LUTRON SENSOR CABLE C-2BL-22/2 LUTRON SENSOR CABLE 2-#22 AWG (1.0mm²) OTHERWISE USE 2-#22 AWG (1.0mm²)
- = TEMPORARY ETHERNET CONNECTION - CAT5E OR BETTER CABLE FOR LUTRON NETWORK. TERMINATED WITH RJ45 CONNECTORS. 328 ft (100 m) MAXIMUM RUN.
- CAT5E OR BETTER CABLE FOR LUTRON NETWORK. TERMINATED WITH RJ45 CONNECTORS. 328 ft (100 m) MAXIMUM RUN.
- POWER OVER ETHERNET (POE) ETHERNET LINK. CAT5E OR BETTER CABLE FOR LUTRON NETWORK. TERMINATED WITH RJ45 CONNECTORS. 328 ft (100 m) MAXIMUM RUN.

WIRING NOTES:

ATHENA QS LINK RULES

THE FOLLOWING LINK RULES MUST BE OBSERVED FOR PROPER OPERATION:

- THIS IS A TOPOLOGY FREE LINK (T-TAP, HOME-RUN, ETC). IS OK). REFER TO TABLE IN WIRING LEGEND FOR WIRE GAUGE LIMITS.
- IF WIRING DIFFERENTLY THAN WHAT IS SHOWN, POWER DRAW UNIT REQUIREMENTS NEED TO BE CONFIRMED. SEE POWER DRAW UNITS (PDU) SPECIFICATION SHEET.
- FOR LUMI EDGE PROCESSORS (QPQS-PCKE & QPE-IL PCR) PER LINK LIMITS ARE:
  - ** MAXIMUM OF 200 SWITCHLEGS (DEMAND/SWITCHED OUTPUTS, DIGITALLY ADDRESSABLE DEVICES, & SINGLE ZONE CHANNEL. CONTACT CLOSURE OUTPUTS, SHADE DRIVES).
  - ** MAXIMUM OF 50 OCCUPANCY SENSORS, 50 DAYLIGHT SENSORS, AND 50 HYDROPRIZE.
  - ** THE SUM OF QS DEVICES (SUCH AS A WIRETOUCH® QS KEYPAD, SMART PANEL POWER SUPPLY (QSPS-120PS), AXIS, OR QS SHADE / DRAPERY DRIVE UNIT), EDGE PROCESSOR COUNTS AS 1 DEVICE PER LINK.
  - ** MAXIMUM OF 100 ZONES - SUCH AS A QS SHADE / DRAPERY DRIVE UNIT.
  - ** MAXIMUM OF 8 DEMAND INTERFACES (QSI-D) (MAX).
  - ** THE SUM OF OUTPUTS ON A QSPS-120PS CANNOT EXCEED A COMBINED LENGTH OF 2,000 ft (600 m).
- FOR LUMI EDGE PROCESSORS (QPQS-PCKE & QPE-IL) PER LINK LIMITS ARE:
  - ** MAXIMUM OF 200 SWITCHLEGS (DEMAND/SWITCHED OUTPUTS, DIGITALLY ADDRESSABLE DEVICES, & SINGLE ZONE CHANNEL. CONTACT CLOSURE OUTPUTS, SHADE DRIVES).
  - ** MAXIMUM OF 50 OCCUPANCY SENSORS, 50 DAYLIGHT SENSORS, & 50 WALL CONTROLS.
  - ** MAXIMUM OF 25 QS DEVICES (SUCH AS A WIRETOUCH® QS KEYPAD, SMART PANEL POWER SUPPLY (QSPS-120PS), AXIS, OR QS SHADE / DRAPERY DRIVE UNIT), EDGE PROCESSOR COUNTS AS 1 DEVICE PER LINK.
  - ** MAXIMUM OF 100 ZONES - SUCH AS A QS SHADE / DRAPERY DRIVE UNIT.
  - ** MAXIMUM OF 8 DEMAND INTERFACES (QSI-D) (MAX).
  - ** THE SUM OF OUTPUTS ON A QSPS-120PS CANNOT EXCEED A COMBINED LENGTH OF 2,000 ft (600 m).
- ATHENA WIRELESS PROCESSOR (A-RPC):
  - ** CLEAR CONNECT - TYPE A DEVICES LIMIT 5:
    - *** MAXIMUM OF 5 CLEAR CONNECT - TYPE A THROUGH WALLS OR 60 FT (18M) LINE-OF-SIGHT
    - **** MAXIMUM OF 50 TOTAL CLEAR CONNECT - TYPE A DEVICES PER PROCESSOR
      - ***** MAXIMUM OF 5 OCCUPANCY SENSORS PER PROCESSOR
      - ***** MAXIMUM OF 10 OCCUPANCY / VACANCY SENSORS PER PROCESSOR
      - ***** MAXIMUM OF 50 PICO® WIRELESS KEYPADS
    - **** CLEAR CONNECT - TYPE X DEVICES LIMIT 50
    - *** REFER TO CLEAR CONNECT TYPE X - GENERAL NOTES BELOW

ATHENA SYSTEM ETHERNET LINK

CAT5e OR BETTER ETHERNET CABLE TO BE RUN FOR SYSTEM ETHERNET LINK, TERMINATED WITH RJ45 CONNECTORS. SYSTEM ETHERNET LINK WIRING USES A STANDARD ETHERNET CONNECTION. ALL WIRING MUST COMPLY WITH IEEE 802.3 STANDARDS. TOTAL LENGTH OF ETHERNET CABLE SHALL NOT EXCEED 328 FEET (100 METERS). ETHERNET SWITCHES ARE REQUIRED FOR NETWORK EXPANSION AND COMMUNICATION LINKS TO LUTRON ATHENA CLEAR CONNECT - TYPE X GATEWAYS, LIKE LUTRON'S QSPQS-PNL OR UNMANAGED ETHERNET SWITCHES FOR LONGER DISTANCES. LUTRON RECOMMENDS THE USE OF A MANAGED ETHERNET SWITCH WHEN CONNECTED TO A POE (UPWALL) SWITCH THAT MEETS IEEE 802.3at OR IEEE 802.3bt (LAYER 2) SWITCHING REQUIREMENTS.

PROCESSORS CANNOT BE DAISY CHAINED. DO NOT DAISY CHAIN PROCESSORS USING THE SECOND ETHERNET PORT. THE SECOND ETHERNET CONNECTION IS USED FOR SERVICE DIAGNOSTICS ONLY. EACH PROCESSOR MUST BE CONNECTED TO AN ETHERNET SWITCH.

MAXIMUM OF (16) ATHENA EDGE PROCESSORS & CLEAR CONNECT - TYPE X GATEWAYS MAY BE CONNECTED AS A SINGLE ATHENA SYSTEM.

CONCEPT DRAWING NOTES:
CONTROL SYSTEM DRAWING IS PROVIDED FOR CONCEPTUAL PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION. EXACT EQUIPMENT REQUIREMENTS, INCLUDING LOCATIONS AND QUANTITIES, SHALL BE DETERMINED BY OTHERS BASED ON THE FINAL DESIGN OF LIGHTING/ELECTRICAL, IMPACTED CEILING PLANS, LIGHTING FIXTURE SCHEDULES, PANEL SCHEDULES, CONTROL INTENT AND SPECIFICATIONS. SHADE EQUIPMENT SHOULD BE VERIFIED IN COORDINATION WITH ARCHITECTURAL PLANS, SPECIFICATIONS AND WINDOW SCHEDULE/DETAILS.

LED DIMMING REQUIRED AN EXACT MATCH BETWEEN THE QS ARRAY, DRIVER AND CONTROL TYPE FOR PROPER DIMMING PERFORMANCE. OR PERFORMANCE IMPACT TESTING THIS COMBINATION.

TO CONFIRM WHAT PRODUCTS LUTRON HAS AVAILABLE OR WHAT INTERFACES MAY BE REQUIRED, PLEASE REFER TO LEDS OR CHECK LUTRON'S PRODUCT COMPATIBILITY MATRIX ONLINE AT WWW.LUTRON.COM/LEDMATRIX.

TO REQUEST THE TESTING OF AN LED PRODUCT BY LUTRON MANUFACTURERS CAN FILL OUT AN LED EVALUATION REQUEST FORM ONLINE AT WWW.LUTRON.COM/LED OR CONTACT LED@LUTRON.COM

LUTRON CAN GUARANTEE COMPATIBILITY AND PERFORMANCE OF LUTRON HI-LUME LED DRIVERS USED WITH APPROPRIATE LUTRON CONTROLS. PLEASE REFER TO THE SPECIFICATION SUBMITTAL SHEET FOR FURTHER INFORMATION.

IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING PHASE CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. ALL PRODUCTS PROVIDED WITH END OF LINE RESISTORS. IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING PHASE CONTROL TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS, DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

IF USING UNTESTED NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL, PERFORMANCE AND COMPATIBILITY CANNOT BE GUARANTEED BY LUTRON. ALL PRODUCTS PROVIDED WITH END OF LINE RESISTORS. IF USING UNTESTED, NON-LUTRON LED DRIVERS REQUIRING 0-10V CONTROL TO PROVIDE ACCEPTABLE PERFORMANCE RESULTS, DETERMINATION OF RESULT ACCEPTABILITY IS UP TO THE USER'S DISCRETION.

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CONSULTANT

STAMP

PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
10 TEMPERANCE STREET

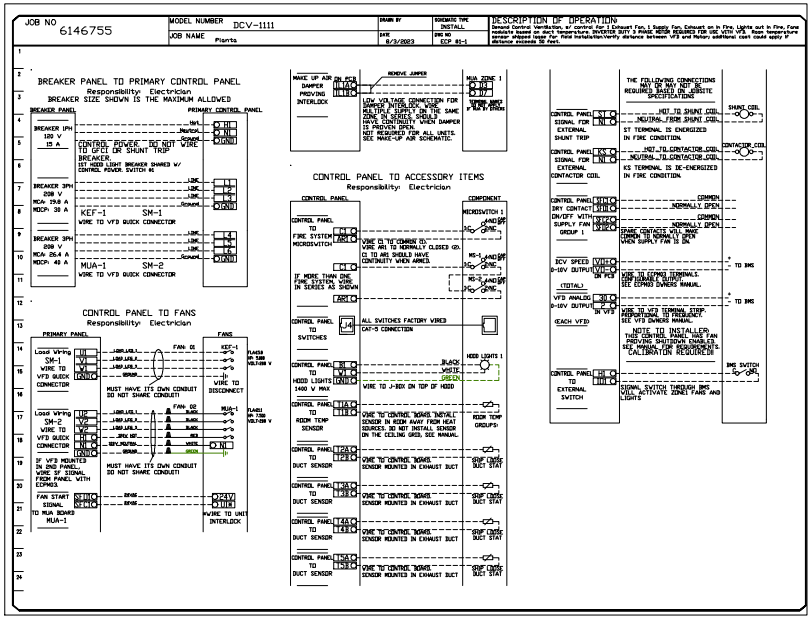
CLIENT
LOS GROVE PARTNERS INC.

NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	21 JUN 24
2	ISSUED FOR 100% CD	12 MAY 24
3	ISSUED FOR 50% CD	11 APR 24
4	ISSUED FOR TENDER	28 MAR 24
5	ISSUED FOR PERMIT	15 MAR 24
6	ISSUED FOR 100% DD	01 MAR 24
7	ISSUED FOR 50% DD	16 FEB 24
8	ISSUED FOR REVIEW	12 FEB 24
9	ISSUED FOR REVIEW	31 JAN 24

CAD ID NUMBER:

SHEET NAME:
LUTRON ATHENA LIGHTING CONTROL SCHEMATIC

SHEET NUMBER:
E-1.4



1 E-1.5 EXHAUST HOOD WIRING SCHEMATIC
N.T.S

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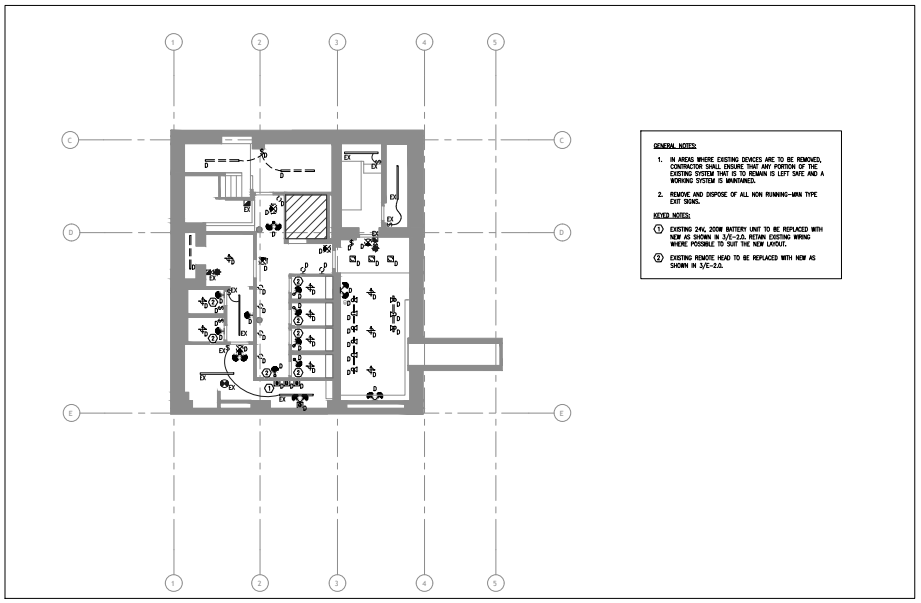
CLIENT
LOS GRAVITY PARTNERS INC.

PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
10 TOMPKINS STREET

NO.	DESCRIPTION	DATE
9	ISSUED FOR CONSTRUCTION	21 JUN 24
8	ISSUED FOR 100% CD	13 MAY 24
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6	ISSUED FOR TENDER	28 MAR 24
5	ISSUED FOR PERMIT	15 MAR 24
4	ISSUED FOR 100% DD	01 MAR 24
3	ISSUED FOR 50% DD	16 FEB 24
2	ISSUED FOR REVISIONS	12 FEB 24
1	ISSUED FOR REVISION	31 JAN 24

SHEET NAME
KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER
E-1.5



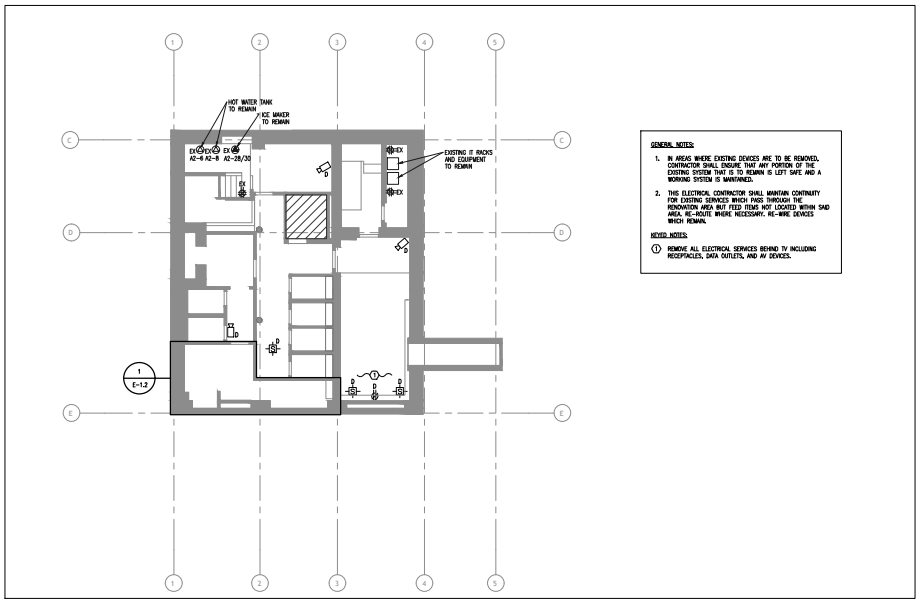
GENERAL NOTES:

1. IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
2. REMOVE AND DISPOSE OF ALL NON RUNNING-MAN TYPE EXIT SIGNS.

KEYED NOTES:

1. EXISTING 24V, 200W BATTERY UNIT TO BE REPLACED WITH NEW AS SHOWN IN 3/E-2.0. RETAIN EXISTING WIRING WHERE POSSIBLE TO SUIT THE NEW LAYOUT.
2. EXISTING REMOTE HEAD TO BE REPLACED WITH NEW AS SHOWN IN 3/E-2.0.

1 E-2.0 BASEMENT – DEMO LIGHTING AND FIRE ALARM PLAN
1/8"=1'-0"



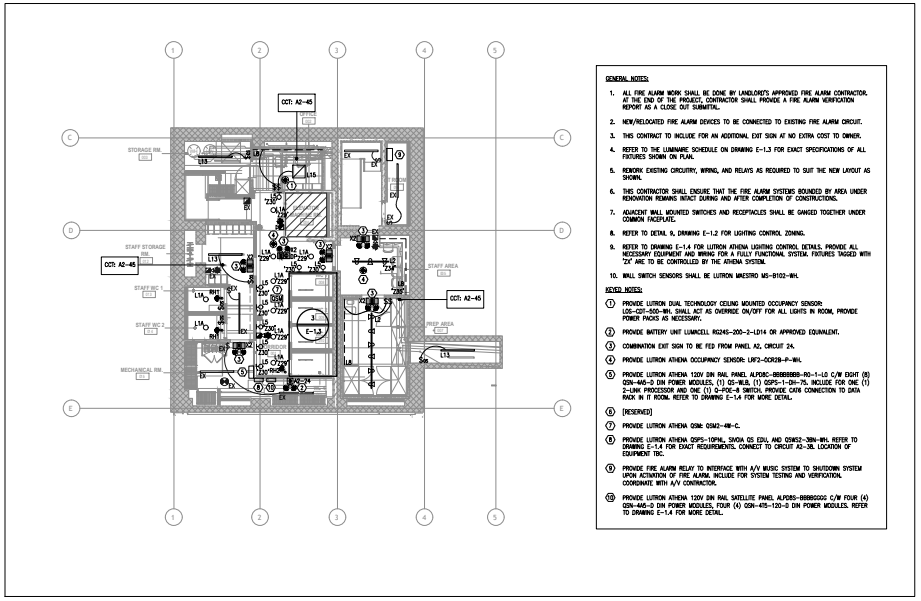
GENERAL NOTES:

1. IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
2. THIS ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY FOR EXISTING SERVICES WHICH PASS THROUGH THE RENOVATION AREA BUT FEED ITEMS NOT LOCATED WITHIN SAID AREA. RE-ROUTE WHERE NECESSARY. RE-WIRE DEVICES WHICH REMAIN.

KEYED NOTES:

1. REMOVE ALL ELECTRICAL SERVICES BEHIND TV INCLUDING RECEPTACLES, DATA OUTLETS, AND AV DEVICES.

2 E-2.0 BASEMENT – DEMO POWER AND COMMUNICATIONS PLAN
1/8"=1'-0"



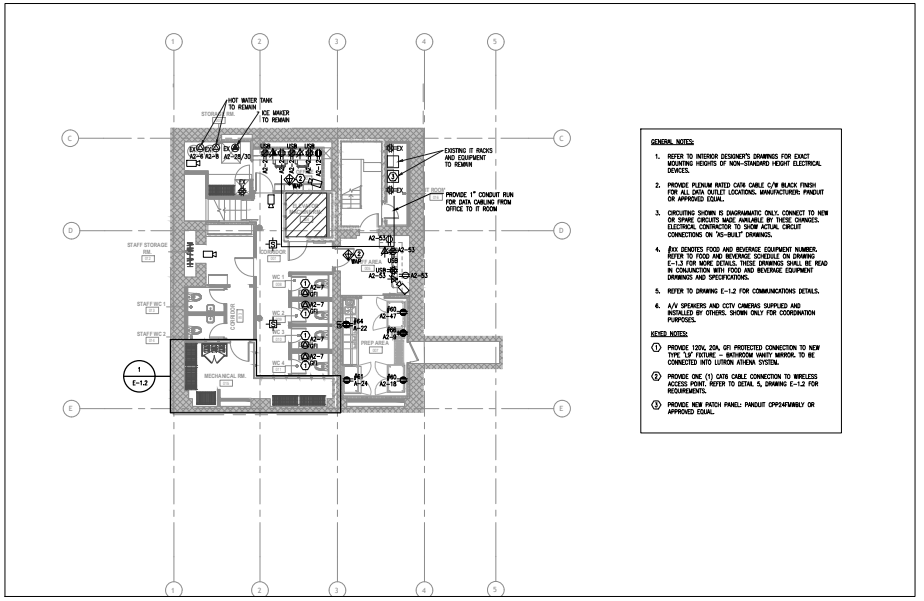
GENERAL NOTES:

1. ALL FIRE ALARM WORK SHALL BE DONE BY LANDLORD'S APPROVED FIRE ALARM CONTRACTOR. AT THE END OF THE PROJECT, CONTRACTOR SHALL PROVIDE A FIRE ALARM VERIFICATION REPORT AS A 'CLOSE OUT SUBMITTAL'.
2. NEW/RELOCATED FIRE ALARM DEVICES TO BE CONNECTED TO EXISTING FIRE ALARM CIRCUIT.
3. THIS CONTRACT TO INCLUDE FOR AN ADDITIONAL EXIT SIGN AT NO EXTRA COST TO OWNER.
4. REFER TO THE LUMINAIRE SCHEDULE ON DRAWING E-1.3 FOR EXACT SPECIFICATIONS OF ALL FIXTURES SHOWN ON PLAN.
5. REWORK EXISTING CIRCUITRY, WIRING, AND RELAYS AS REQUIRED TO SUIT THE NEW LAYOUT AS SHOWN.
6. THIS CONTRACTOR SHALL ENSURE THAT THE FIRE ALARM SYSTEMS BOUNDED BY AREA UNDER RENOVATION REMAINS INTACT DURING AND AFTER COMPLETION OF CONSTRUCTIONS.
7. ADJACENT WALL MOUNTED SWITCHES AND RECEPTACLES SHALL BE GANGED TOGETHER UNDER COMMON FACEPLATE.
8. REFER TO DETAIL 5, DRAWING E-1.2 FOR LIGHTING CONTROL ZONING.
9. REFER TO DRAWING E-1.4 FOR LUTRON ATHENA LIGHTING CONTROL DETAILS. PROVIDE ALL NECESSARY EQUIPMENT AND WIRING FOR A FULLY FUNCTIONAL SYSTEM. FIXTURES TAGGED WITH 'ZX' ARE TO BE CONTROLLED BY THE ATHENA SYSTEM.
10. WALL SWITCH SENSORS SHALL BE LUTRON MAESTRO MS-B102-WH.

KEYED NOTES:

1. PROVIDE LUTRON DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR LOS-CDT-500-WH. SHALL ACT AS OVERRIDE ON/OFF FOR ALL LIGHTS IN ROOM, PROVIDE POWER PACKS AS NECESSARY.
2. PROVIDE BATTERY UNIT LUMACELL RG245-200-2-LD14 OR APPROVED EQUIVALENT.
3. COMBINATION EXIT SIGN TO BE FED FROM PANEL A2, CIRCUIT 24.
4. PROVIDE LUTRON ATHENA OCCUPANCY SENSOR: LMP2-COR2B-P-WH.
5. PROVIDE LUTRON ATHENA 120V DIN RAIL PANEL ALPDRS-8888BBBB-RD-1-L0 C/W EIGHT (8) QSN-A40-2 DIN POWER MODULES, (1) QS-WLB, (1) QSPS-1-DH-75. INCLUDE FOR ONE (1) 2-LINK PROCESSOR AND ONE (1) Q-POE-8 SWITCH. PROVIDE CAT6 CONNECTION TO DATA RACK IN IT ROOM. REFER TO DRAWING E-1.4 FOR MORE DETAIL.
6. [RESERVED]
7. PROVIDE LUTRON ATHENA QSM: QSM2-4W-C.
8. PROVIDE LUTRON ATHENA QSPS-10PHL, SIVOIA QS EDU, AND QSWS2-3BN-WH. REFER TO DRAWING E-1.4 FOR EXACT REQUIREMENTS. CONNECT TO CIRCUIT A2-38. LOCATION OF EQUIPMENT TBC.
9. PROVIDE FIRE ALARM RELAY TO INTERFACE WITH A/V MUSIC SYSTEM TO SHUTDOWN SYSTEM UPON ACTIVATION OF FIRE ALARM. INCLUDE FOR SYSTEM TESTING AND VERIFICATION. COORDINATE WITH A/V CONTRACTOR.
10. PROVIDE LUTRON ATHENA 120V DIN RAIL SATELLITE PANEL ALPDRS-8888GGGG C/W FOUR (4) QSN-A40-2 DIN POWER MODULES, FOUR (4) QSN-415-120-D DIN POWER MODULES. REFER TO DRAWING E-1.4 FOR MORE DETAIL.

3 E-2.0 BASEMENT – NEW LIGHTING AND FIRE ALARM PLAN
1/8"=1'-0"



GENERAL NOTES:

1. REFER TO INTERIOR DESIGNER'S DRAWINGS FOR EXACT MOUNTING HEIGHTS OF NON-STANDARD HEIGHT ELECTRICAL DEVICES.
2. PROVIDE PLENUM RATED CAT6 CABLE C/W BLACK FINISH FOR ALL DATA OUTLET LOCATIONS. MANUFACTURER: PANDUIT OR APPROVED EQUAL.
3. CIRCUITING SHOWN IS DIAGRAMMATIC ONLY. CONNECT TO NEW OR SPARE CIRCUITS MADE AVAILABLE BY THESE DRAWINGS. ELECTRICAL CONTRACTOR TO SHOW ACTUAL CIRCUIT CONNECTIONS ON 'AS-BUILT' DRAWINGS.
4. (XX) DENOTES FOOD AND BEVERAGE EQUIPMENT NUMBER. REFER TO FOOD AND BEVERAGE SCHEDULE ON DRAWING E-1.3 FOR MORE DETAILS. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH FOOD AND BEVERAGE EQUIPMENT DRAWINGS AND SPECIFICATIONS.
5. REFER TO DRAWING E-1.2 FOR COMMUNICATIONS DETAILS.
6. A/V SPEAKERS AND CCTV CAMERAS SUPPLIED AND INSTALLED BY OTHERS. SHOWN ONLY FOR COORDINATION PURPOSES.

KEYED NOTES:

1. PROVIDE 120V, 20A, GFI PROTECTED CONNECTION TO NEW TYPE 'L3' FIXTURE – BATHROOM VANITY MIRROR. TO BE CONNECTED INTO LUTRON ATHENA SYSTEM.
2. PROVIDE ONE (1) CAT6 CABLE CONNECTION TO WIRELESS ACCESS POINT. REFER TO DETAIL 5, DRAWING E-1.2 FOR REQUIREMENTS.
3. PROVIDE NEW PATCH PANEL: PANDUIT CPP24FWMBLY OR APPROVED EQUAL.

4 E-2.0 BASEMENT – NEW POWER AND COMMUNICATIONS PLAN
1/8"=1'-0"

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PROJECT
THE CHASE L0 & L1
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1018 FAIRFAX STREET

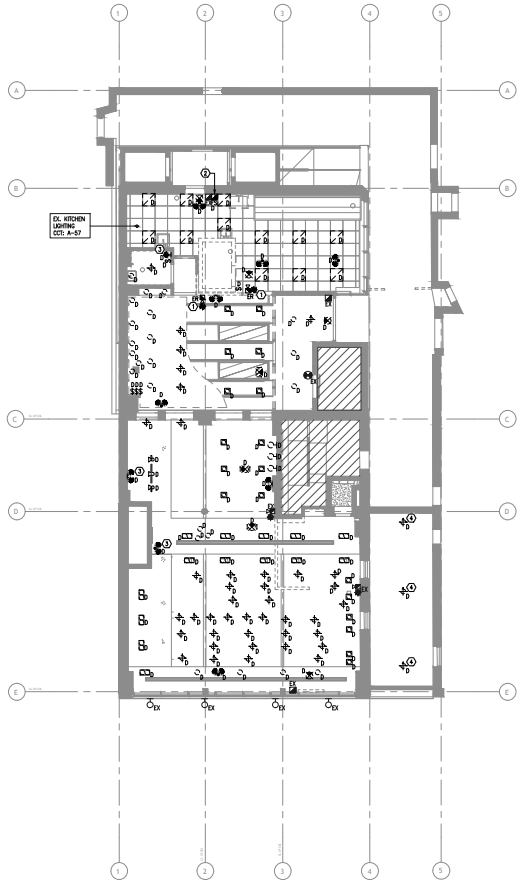
CLIENT
LOS GROWTH PARTNERS INC.

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7	ISSUED FOR 50% DD	19 FEB 24
8	ISSUED FOR REVIEW	12 FEB 24
9	ISSUED FOR REVIEW	31 JAN 24

SHEET NUMBER / SHEET NAME
BASEMENT - DEMO AND NEW - LIGHTING AND FIRE ALARM / POWER AND COMMUNICATIONS PLAN

E-2.0

DESIGN ARCHITECT | CONSULTANT | STATUS | STAMP | CAD FILES



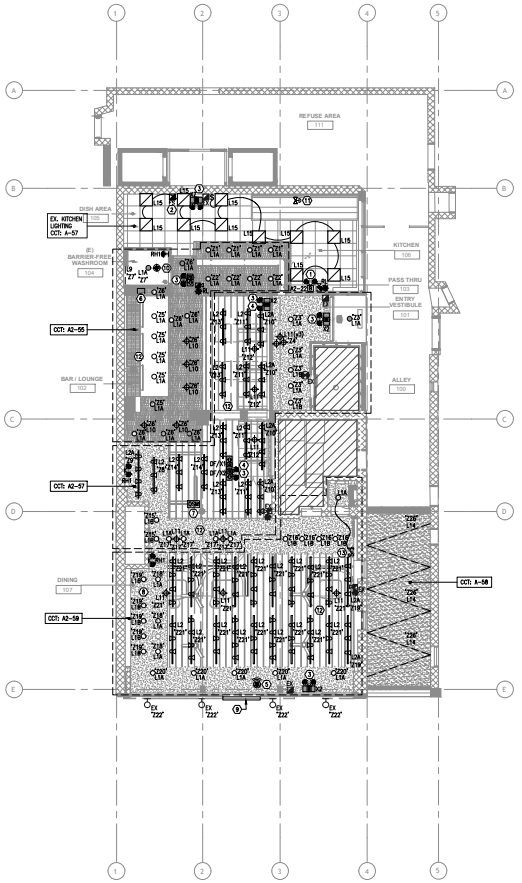
GENERAL NOTES:

1. IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
2. REMOVE ALL NON-RUNNING MAN TYPE EXIT SIGNS AND EXISTING EMERGENCY REMOTE HEADS.

KEYED NOTES:

1. WALL MOUNTED FIRE ALARM HORN/STROBE COMBO TO BE RELOCATED TO NEW POSITION AS SHOWN ON 2/E-3.0.
2. REMOVE EXISTING FIRE SUPPRESSION MANUAL PULL STATION AND ALL ASSOCIATED DEVICES.
3. EXISTING REMOTE HEAD TO BE REPLACED WITH NEW AS SHOWN IN 2/E-3.0. RE-USE EXISTING WIRING WHERE POSSIBLE.
4. EXISTING PENDANTS IN ALLEY TO BE REMOVED.

1 / E-3.0 LEVEL 1 – DEMO LIGHTING AND FIRE ALARM PLAN
1/8"=1'-0"



GENERAL NOTES:

1. ALL FIRE ALARM WORK SHALL BE DONE BY LANDLORD'S APPROVED FIRE ALARM CONTRACTOR. AT THE END OF THE PROJECT, CONTRACTOR SHALL PROVIDE A FIRE ALARM VERIFICATION REPORT AS A CLOSE OUT SUBMITTAL.
2. NEW/RELOCATED FIRE ALARM DEVICES TO BE CONNECTED TO EXISTING FIRE ALARM CIRCUIT.
3. THIS CONTRACT TO INCLUDE FOR AN ADDITIONAL EXIT SIGN AT NO EXTRA COST TO OWNER.
4. REFER TO LUMINAIRE SCHEDULE ON DRAWING E-1.3 FOR EXACT SPECIFICATIONS OF ALL FIXTURES SHOWN ON PLAN.
5. REWORK EXISTING CIRCUITRY, WIRING, AND RELAYS AS REQUIRED TO SUIT THE NEW LAYOUT AS SHOWN.
6. THIS CONTRACTOR SHALL ENSURE THAT THE FIRE ALARM SYSTEMS BOUNDED BY AREA UNDER RENOVATION REMAINS INTACT DURING AND AFTER COMPLETION OF CONSTRUCTIONS.
7. REFER TO DETAIL 9, DRAWING E-1.2 FOR LIGHTING CONTROL ZONING.
8. REFER TO DRAWING E-1.4 FOR LUTRON ATHENA LIGHTING CONTROL DETAILS. PROVIDE ALL NECESSARY EQUIPMENT AND WIRING FOR A FULLY FUNCTIONAL SYSTEM. FIXTURES TAGGED WITH "2X" ARE TO BE CONTROLLED BY THE ATHENA SYSTEM.
9. WALL SWITCH SENSORS TO BE LUTRON MAESTRO MS-B102-WH.

KEYED NOTES:

1. PROVIDE EMERGENCY BATTERY UNIT: LUMACELL RG24S-144-2-LD14 OR APPROVED EQUIVALENT.
2. NEW FIRE SUPPRESSION MANUAL PULL STATION SHALL BE INTERLOCKED WITH AUTOMATIC GAS SHUT-OFF VALVE AND ALL SHUNT TRIP BREAKERS. PROVIDE ALL WIRING AND DEVICES AS PER THE EXHAUST HOOD MANUFACTURER'S SHOP DRAWINGS FOR A COMPLETE AND FUNCTIONAL SYSTEM.
3. COMBINATION EXIT SIGN TO BE CONNECTED TO PANEL "AA", CIRCUIT 22.
4. REFER TO DETAIL 3, DRAWING E-1.1 FOR COMPLETE INSTALLATION REQUIREMENTS OF PENDANT MOUNT EXIT SIGN. COORDINATE INSTALLATION WITH NEW BAFFLED CEILING.
5. PROVIDE LUTRON ATHENA DAYLIGHT SENSOR: LRF2-DCRB-WH.
6. PROVIDE LUTRON 5-BUTTON SCENE SELECT: QSWS2-5BRLN-WH (LOCATION TBC BY ID).
7. PROVIDE LUTRON ATHENA QSM: QSM2-4W-C.
8. RELAY SUPPLIED BY AV VENDOR, INSTALLED BY THIS ELECTRICAL CONTRACTOR, SHALL TURN OFF TYPE "L18" PATLIGHTS ON PROJECTOR SCREEN WALL WHEN PROJECTOR IS IN USE.
9. NEW BACKLIT SIGN PROVIDED BY OTHERS TO BE CONNECTED TO EXISTING CIRCUIT FOR EXISTING PATIO LIGHTS.
10. PROVIDE LUTRON ATHENA OCCUPANCY SENSOR: LRF2-OCR2B-P-WH.
11. NEW AUTOMATIC GAS SHUT-OFF VALVE SUPPLIED AND INSTALLED BY OTHERS SHALL BE INTERLOCKED WITH FIRE SUPPRESSION MANUAL PULL STATION PER EXHAUST HOOD MANUFACTURER'S SHOP DRAWINGS.
12. PROVIDE TYPE 'L8' STRIP LIGHTING AS SHOWN IN DETAIL 1, DRAWING E-1.1. REFER TO INTERIOR DESIGNER'S DRAWINGS FOR DETAILED ELEVATIONS.
13. SWITCH FOR CEILING FANS AND STORAGE CLOSET LIGHT SHALL BE GANGED TOGETHER.

2 / E-3.0 LEVEL 1 – NEW LIGHTING AND FIRE ALARM PLAN
1/8"=1'-0"

DESIGN ARCHITECT
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PROJECT
THE CHASE L0 & L1
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1070 BANNOCK STREET

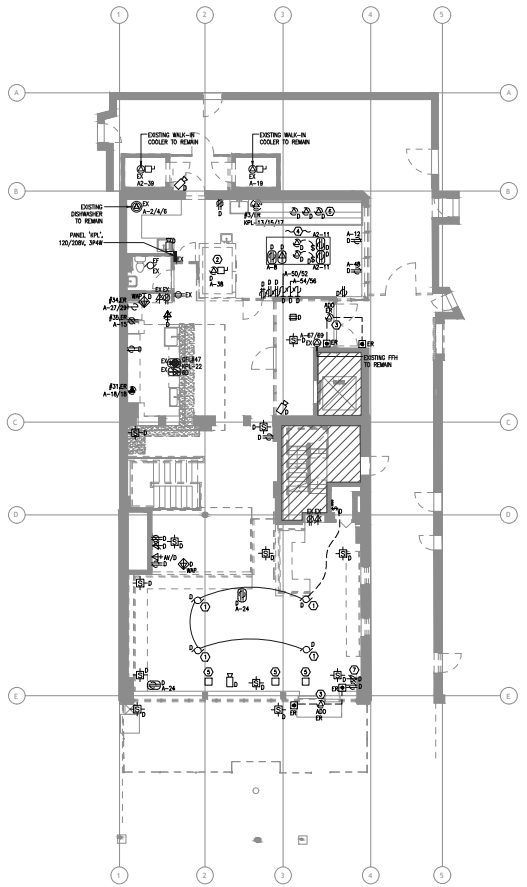
CLIENT
LOS GROWTH PARTNERS INC.

ISSUE RECORD

NO.	DESCRIPTION	DATE
8	ISSUED FOR CONSTRUCTION	21 JUN 24
7	ISSUED FOR 100% CD	12 MAY 24
6	ISSUED FOR 90% CD	11 APR 24
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1	ISSUED FOR REVIEW	12 FEB 24
0	ISSUED FOR REVIEW	26 JAN 24

SHEET NUMBER / SHEET NAME
LEVEL 1 - DEMO AND NEW - LIGHTING AND FIRE ALARM PLAN

E-3.0



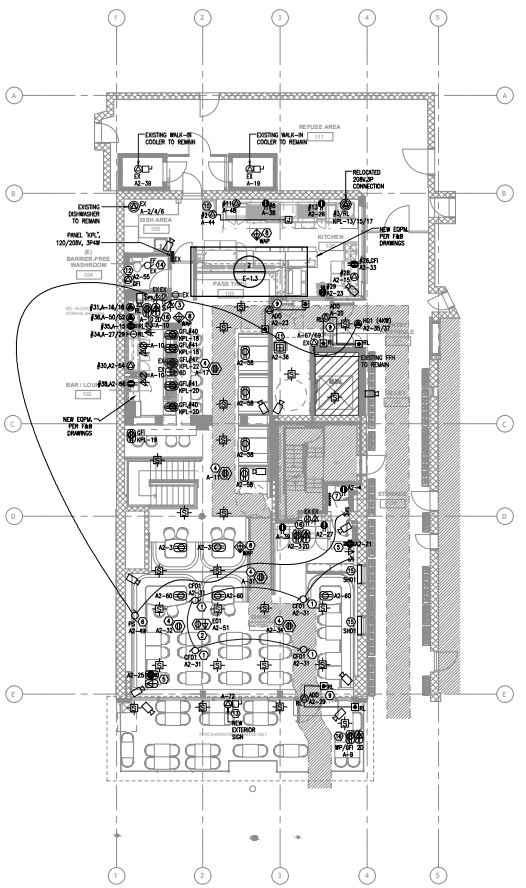
GENERAL NOTES:

1. IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
2. THIS ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY FOR EXISTING SERVICES WHICH PASS THROUGH THE RENOVATION AREA BUT FEED ITEMS NOT LOCATED WITHIN SAID AREA. RE-ROUTE WHERE NECESSARY. RE-WIRE DEVICES WHICH REMAIN.

KEYED NOTES:

1. CEILING FAN TO BE REPLACED. DISCONNECT AND RETAIN FEED FOR CONNECTION TO NEW CEILING FAN AS SHOWN ON 2/E-4.0.
2. WALK-IN COOLER TO BE REMOVED. DISCONNECT AND REMOVE ALL ASSOCIATED WIRING, LIGHTS, SWITCHES, AND CONDUIT.
3. DOOR TO BE REPLACED. REMOVE AND RETAIN DEVICES FOR AUTOMATIC DOOR OPERATOR. RE-USE FEED AND DEVICES FOR NEW DOOR AS SHOWN ON 2/E-4.0.
4. REMOVE ALL ELECTRICAL DEVICES AND CONNECTIONS MOUNTED TO SHELVING UNIT.
5. REMOVE SECURITY DEVICE MOUNTED IN DRYWALL BULKHEAD.
6. EXISTING EXHAUST HOOD TO BE REPLACED WITH NEW. REMOVE EXISTING CONNECTIONS TO HOOD AND ALL ASSOCIATED DEVICES INCLUDING LIGHTS, SENSORS, AND CONTROL PANELS. RETAIN WIRING AND CIRCUITING FOR CONNECTION TO NEW AS NEEDED.
7. EXISTING CABLING AND CONDUIT UP TO CEILING SPACE TO BE REMOVED.

1 / E-4.0 LEVEL 1 – DEMO POWER AND COMMUNICATIONS PLAN
1/8"=1'-0"



GENERAL NOTES:

1. REFER TO INTERIOR DESIGNER'S DRAWINGS FOR EXACT MOUNTING HEIGHTS OF NON-STANDARD HEIGHT ELECTRICAL DEVICES.
2. PROVIDE PLENUM RATED CAT6 CABLE C/W BLACK FINISH FOR ALL DATA OUTLET LOCATIONS. MANUFACTURER: PANDUIT OR APPROVED EQUAL. DATA CABLES SHALL BE C/W STUB-UP CONDUIT TO CEILING SPACE AND HORIZONTAL CONDUIT RUNS TO IT RACK IN BASEMENT LEVEL.
3. CIRCUITING SHOWN IS DIAGRAMATIC ONLY. CONNECT TO NEW OR SPARE CIRCUITS MADE AVAILABLE BY THESE CHANGES. ELECTRICAL CONTRACTOR TO SHOW ACTUAL CIRCUIT CONNECTIONS ON "AS-BUILT" DRAWINGS.
4. (XX) DENOTES FOOD AND BEVERAGE EQUIPMENT NUMBER. REFER TO FOOD AND BEVERAGE SCHEDULE ON DRAWING E-1.3 FOR MORE DETAILS. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH FOOD AND BEVERAGE EQUIPMENT DRAWINGS AND SPECIFICATIONS.
5. ALL ELECTRICAL EQUIPMENT MOUNTED ABOVE CEILING BAFFLES SHALL HAVE BLACK FINISH. ALL BELOW CEILING BAFFLE SHALL HAVE WHITE FINISH.
6. REFER TO DRAWING E-1.2 FOR COMMUNICATIONS DETAILS.
7. A/V SPEAKERS AND CCTV CAMERAS SUPPLIED AND INSTALLED BY OTHERS. SHOWN ONLY FOR COORDINATION PURPOSES.

KEYED NOTES:

1. RE-USE EXISTING FEED FOR CONNECTION TO NEW CEILING FAN.
2. PROVIDE DUPLEX RECEPTACLE AND DATA OUTLET IN CEILING FOR NEW PROJECTOR (PROVIDED BY OTHERS). ENSURE DEVICES HAVE BLACK FACEPLATES. COORDINATE LOCATION WITH INTERIOR DESIGNER.
3. PROVIDE 2 GANG BACK BOX FOR A/V TOUCH PANEL (PROVIDED BY OTHERS).
4. PROVIDE DUPLEX RECEPTACLE C/W BLACK FACEPLATE IN CEILING FOR A/V SUBWOOFER (PROVIDED BY OTHERS). PROVIDE DEDICATED 120V, 15A CIRCUIT. COORDINATE LOCATION WITH A/V CONSULTANT.
5. PROVISIONS FOR DJ BOOTH TO INCLUDE – ONE (1) 4-GANG BACKBOX C/W ONE (1) QUAD 1-SLOT RECEPTACLE ON DEDICATED CIRCUIT AND TWO (2) SPARE GANG FOR A/V EQUIPMENT.
6. PROVIDE 120V CONNECTION TO NEW MOTORIZED PROJECTOR SCREEN (PROVIDED BY OTHERS). EXACT REQUIREMENTS TO BE CONFIRMED BY SHOP DRAWINGS. INCLUDE FOR THE PROVISION OF DUPLEX RECEPTACLE SHOULD THE SCREEN BE "PLUG-IN" TYPE.
7. PROVIDE ONE (1) 2" CONDUIT TO IT ROOM FOR NEW DATA CABLES. PROVIDE ONE (1) 1-1/2" EMPTY CONDUIT C/W PULL STRING TO IT ROOM. ROUTE TO NEW A/V RACK (LOCATION TBC). PROVIDE ONE (1) 2" CONDUIT C/W PULLSTRING TO IT ROOM FOR NEW CCTV CAMERA CABLES.
8. PROVIDE ONE (1) CAT6 CABLE CONNECTION TO WIRELESS ACCESS POINT. REFER TO DETAIL 5, DRAWING E-1.2 FOR REQUIREMENTS.
9. REFER TO DETAIL 2, DRAWING E-1.1 FOR AUTOMATIC DOOR REQUIREMENTS.
10. PROVIDE 120V, 15A DEDICATED CONNECTION TO NEW HOOD CONTROL PANEL. PROVIDE ALL WIRING AND CONNECTIONS AS SHOWN IN DETAIL 1, DRAWING E-1.3 FOR A COMPLETE AND FUNCTIONAL SYSTEM.
11. PROVIDE FLOOR BOX FOR HOST STAND C/W TWO (2) DUPLEX RECEPTACLES AND TWO (2) DATA OUTLETS. TO BE WELLMARK FM4-1100-B OR APPROVED EQUIVALENT.
12. PROVIDE 120V, 20A, GFI PROTECTED CONNECTION TO NEW TYPE 'LS' FIXTURE – BATHROOM VANITY MIRROR. TO BE CONNECTED INTO LUTRON ATHENA SYSTEM.
13. PROVIDE 120V CONNECTION TO NEW EXTERIOR BACKLIT SIGN. CONNECT TO EXISTING CIRCUIT FOR EXISTING PATIO LIGHTS. EXACT REQUIREMENTS TO BE CONFIRMED BY INTERIOR DESIGNER.
14. EXISTING CONTROLS FOR EXHAUST FAN TO BE CONFIRMED ON SITE. INCLUDE FOR THE FAN ACTIVATION TO BE INTERLOCKED WITH NEW WALL MOUNT OCCUPANCY SWITCH IN WASHROOM 104 SHOWN IN 2/E-3.0.
15. AUTOMATIC SHADES TO BE PROVIDED BY ELECTRICAL CONTRACTOR. INCLUDE FOR ALL WIRING AND CONNECTIONS FOR INTEGRATION WITH THE ATHENA SYSTEM. REFER TO SCHEMATIC ON DRAWING E-1.4 FOR ADDITIONAL INFORMATION. CONFIRM SHADE FINISH AND TEXTURE SELECTION WITH INTERIOR DESIGN.
16. PROVIDE DUPLEX RECEPTACLE AND DATA OUTLET C/W (2) CAT6 CABLE CONNECTIONS FOR NEW SCREEN AND PRINTER. SERVICES TO BE COUNTER OR SHELF MOUNTED. REFER TO INTERIOR DESIGNER'S DRAWINGS FOR MORE DETAIL AND COORDINATE WITH INTERIOR DESIGNER FOR EXACT ARRANGEMENT OF DEVICES.

2 / E-4.0 LEVEL 1 – NEW POWER AND COMMUNICATIONS PLAN
1/8"=1'-0"

DESIGN ARCHITECT
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CIVIL
LANDSCAPE
INTERIOR DESIGNER

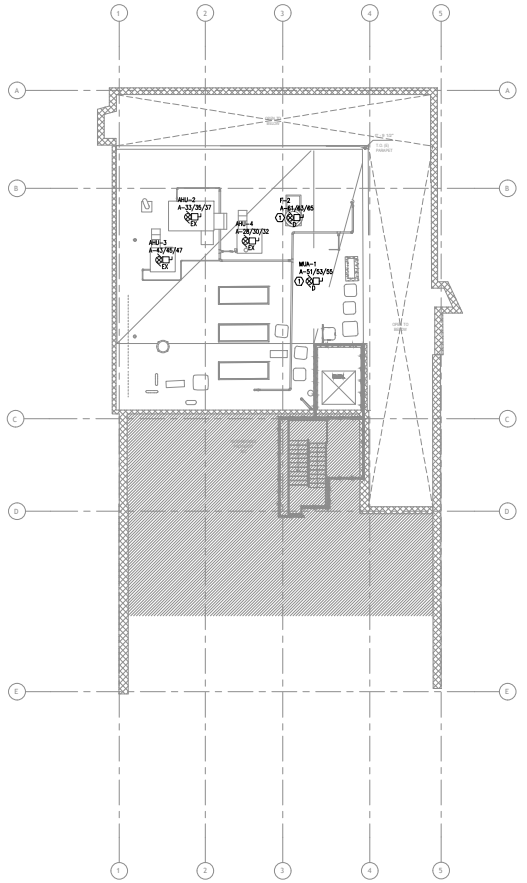
PROJECT
THE CHASE L0 & L1
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1017 NORTH KINGS STREET

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LOS GROWTH PARTNERS INC.

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2	ISSUED FOR 100% CD	12 MAY 24
3	ISSUED FOR 50% CD	11 APR 24
4	ISSUED FOR TENDER	26 MAR 24
5	ISSUED FOR PERMIT	15 MAR 24
6	ISSUED FOR 100% CD	12 MAR 24
7	ISSUED FOR 50% CD	15 FEB 24
8	ISSUED FOR REVIEW	12 FEB 24
9	ISSUED FOR REVIEW	26 JAN 24

SHEET NAME
LEVEL 1 - DEMO AND NEW - POWER AND COMMUNICATIONS PLAN

SHEET NUMBER
E-4.0



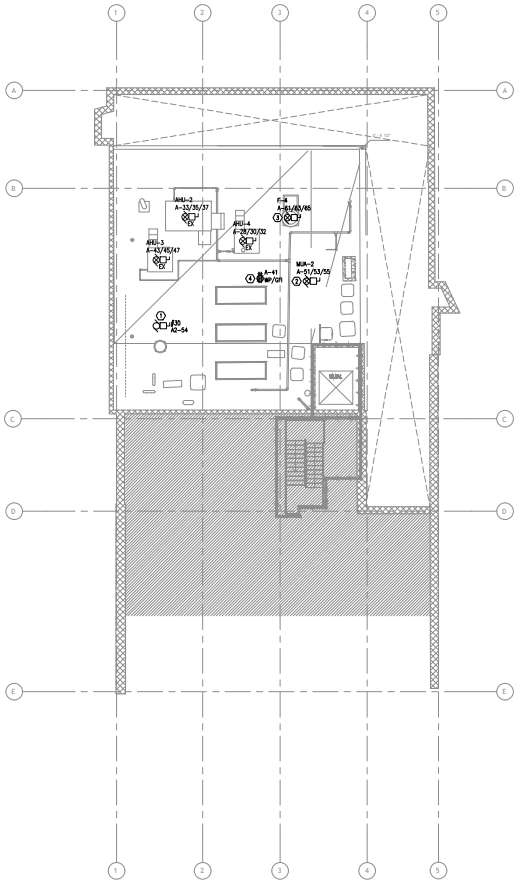
GENERAL NOTES:

1. IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
2. THIS ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY FOR EXISTING SERVICES WHICH PASS THROUGH THE RENOVATION AREA BUT FEED ITEMS NOT LOCATED WITHIN SAID AREA. RE-ROUTE WHERE NECESSARY. RE-WIRE DEVICES WHICH REMAIN.

KEYED NOTES:

1. EXISTING MECHANICAL EQUIPMENT TO BE REPLACED WITH NEW AS SHOWN ON 2/E-5.0. REMOVE CONNECTION AND BRING ALL WIRING AND CONDUIT BACK TO SOURCE.

1 / E-5.0 ROOF – DEMO ELECTRICAL PLAN
1/8"=1'-0"



GENERAL NOTES:

1. CIRCUITING SHOWN IS DIAGRAMMATIC ONLY. CONNECT TO NEW OR SPARE CIRCUITS MADE AVAILABLE BY THESE CHANGES. ELECTRICAL CONTRACTOR TO SHOW ACTUAL CIRCUIT CONNECTIONS ON "AS-BUILT" DRAWINGS.
2. (XX) DENOTES FOOD AND BEVERAGE EQUIPMENT NUMBER. REFER TO FOOD AND BEVERAGE SCHEDULE ON DRAWING E-1.3 FOR MORE DETAILS. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH FOOD AND BEVERAGE EQUIPMENT DRAWINGS AND SPECIFICATIONS.

KEYED NOTES:

1. PROVIDE CONNECTION TO NEW ROOFTOP COMPRESSOR. EXACT REQUIREMENTS AND LOCATION TO BE CONFIRMED BY FOOD AND BEVERAGE CONSULTANT.
2. PROVIDE 208V,3P CONNECTION TO NEW MAKEUP AIR UNIT C/W 45A,3P BREAKER, INTERWIRE WITH NEW EXHAUST HOOD CONTROL PANEL AS SHOWN IN DETAIL 1, DRAWING E-1.5.
3. PROVIDE 208V,3P CONNECTION TO NEW EXHAUST FAN C/W 30A,3P BREAKER. INTERWIRE WITH NEW EXHAUST HOOD CONTROL PANEL AS SHOWN IN DETAIL 1, DRAWING E-1.5.
4. PROVIDE 120V, 20A GFI WEATHER-PROOF "IN-USE" TYPE MAINTENANCE RECEPTACLE. ENSURE RECEPTACLE IS WITHIN 7.5M OF NEW MECHANICAL UNITS (F-4, MUA-2, AND COMPRESSOR) AND NO LESS THAN 750MM AFF.

2 / E-5.0 ROOF – NEW ELECTRICAL PLAN
1/8"=1'-0"

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PROJECT
THE CHASE L0 & L1
TENANT IMPROVEMENT
10 TEMPERANCE STREET

CLIENT
LOS GROVE PARTNERS INC.

NO.	DESCRIPTION	DATE
9	ISSUED FOR CONSTRUCTION	21 JUN 24
8	ISSUED FOR 100% CD	12 MAY 24
7	ISSUED FOR 50% CD	11 APR 24
6	ISSUED FOR TENDER	28 MAR 24
5	ISSUED FOR PERMIT	12 MAR 24
4	ISSUED FOR 100% DD	12 MAR 24
3	ISSUED FOR 50% DD	16 FEB 24
2	ISSUED FOR REVIEW	12 FEB 24
1	ISSUED FOR REVIEW	26 JAN 24

SHEET NAME
ROOF - DEMO AND NEW - ELECTRICAL PLAN

SHEET NUMBER
E-5.0