

LIGHTING SCHEDULE – PIZZA PIZZA ONLY			
SYMBOL	Fixture Type	Description	RESPON
	A	<p>RECESSED 2' X 4' LED TROFFER</p> <p>MANUFACTURER: STANPRO; CATALOGUE #: L3PNL-4LS1-W/35K</p> <p>LAMP TYPE: INTEGRAL LED</p> <p>LUMEN OUTPUT: 4969L; COLOUR TEMPERATURE: 3500K</p> <p>VOLTAGE: 120V; WATTAGE: 59W</p> <p>FINISH: WHITE</p> <p>MOUNTING:</p> <p>RECESSED INVERTED T-BAR CEILINGS, GRID MOUNT.</p> <p>DRYWALL AND SURFACE KITS AVAILABLE AS OPTIONS.</p>	G.C.
	D	<p>MANUFACTURER: LITELINE</p> <p>CATALOGUE #: RA4-12G-30K-90BK (BLACK) OR WH (WHITE) TRIM</p> <p>LUMEN OUTPUT: 1060L; COLOUR TEMPERATURE: 3000K</p> <p>VOLTAGE: 120V; WATTAGE: 12W</p> <p>FINISH: BLACK OR WHITE TRIM FINISH TO MATCH CEILING</p> <p>MOUNTING/FEATURES:</p> <p>2" THIN. INSTALL WHERE CEILING SPACE IS LIMITED.</p> <p>TYPE IC RATED. NO HOUSING REQUIRED.</p> <p>DIRECTIONAL BEAM.</p> <p>GREAT FOR SLOPED CEILINGS AND HIGHLIGHTING ARTWORK.</p> <p>CRI 90</p>	G.C.
	F(4)	<p>TYPE F(4): 4" LED DOWNLIGHT, BLACK TRIM</p> <p>MANUFACTURER: LOTUS; CATALOGUE #: LB4R/30K/BK-4"</p> <p>LAMP TYPE: INTEGRAL LED</p> <p>LUMEN OUTPUT: 700L; COLOUR TEMPERATURE: 3000K</p> <p>VOLTAGE: 120V; WATTAGE: 11W</p> <p>FINISH: BLACK</p>	G.C.

PANEL SCHEDULE								
NOTES	PANEL H	AMPS	VOLTAGE	PHASE	WIRE	CIRCUIT	TYPE	MOUNTING
		400A	120/208	3	4	24	N	SURFACE
NOTES: EXTERIOR WEATHERPROOF RATED PANEL PROVIDE NEW TYPE WRITTEN PANEL SCHEDULE UPON COMPLETION OF WORK.								NOTES
38.5KW	PIZZA PIZZA	200A 3P			ABC	15A 2P	EFFH	2.0KW
23.9KW	SUITE PANEL	100A 2P			5 7 9 11 13 15 17 19 21 23	15A 2P	EFFH	2.0KW
23.9KW	SUITE PANEL	100A 2P			6 8 10 12 14 16 18 20 22	100A 2P	SUITE PANEL	23.9KW
23.9KW	SUITE PANEL	100A 2P			24	15A	HOUSE LIGHTING	0.3KW
						15A	EXIT SIGNAGE	0.3KW

ELECTRICAL NOTES:

TRICAL CONTRACTOR IS TO SUPPLY AND INSTALL TWO (2) 7-DAY
GRAMMABLE TIMERS FOR LED-MENU BOARDS AND STOREFRONT
(TC1 & TC2) OVER THE ELECTRICAL PANEL.

LL THE EQUIPMENTS SUPPLIED BY THE MECHANICAL
TRACTOR, WIRING OF 50 V AND UP BY THE ELECTRICAL
TRACTOR, WIRING LESS THAN 50 V BY THE MECHANICAL CONTRACTOR.

HE POWER OUTLETS LOCATED WITHIN 1.5 METERS OF A SINK
BE GFI OUTLETS.

HE EMERGENCY AND EXIT LIGHTING FIXTURES SHOULD BE
D IN TO EXISTING C STORE EMERGENCY LIGHTING CIRCUIT.
RIES TO BE SIZED TO SUPPLY AT LEAST 30 MINUTES OF
INATION. SEE THE LIST OF LIGHTING FIXTURES FOR THE MODEL.

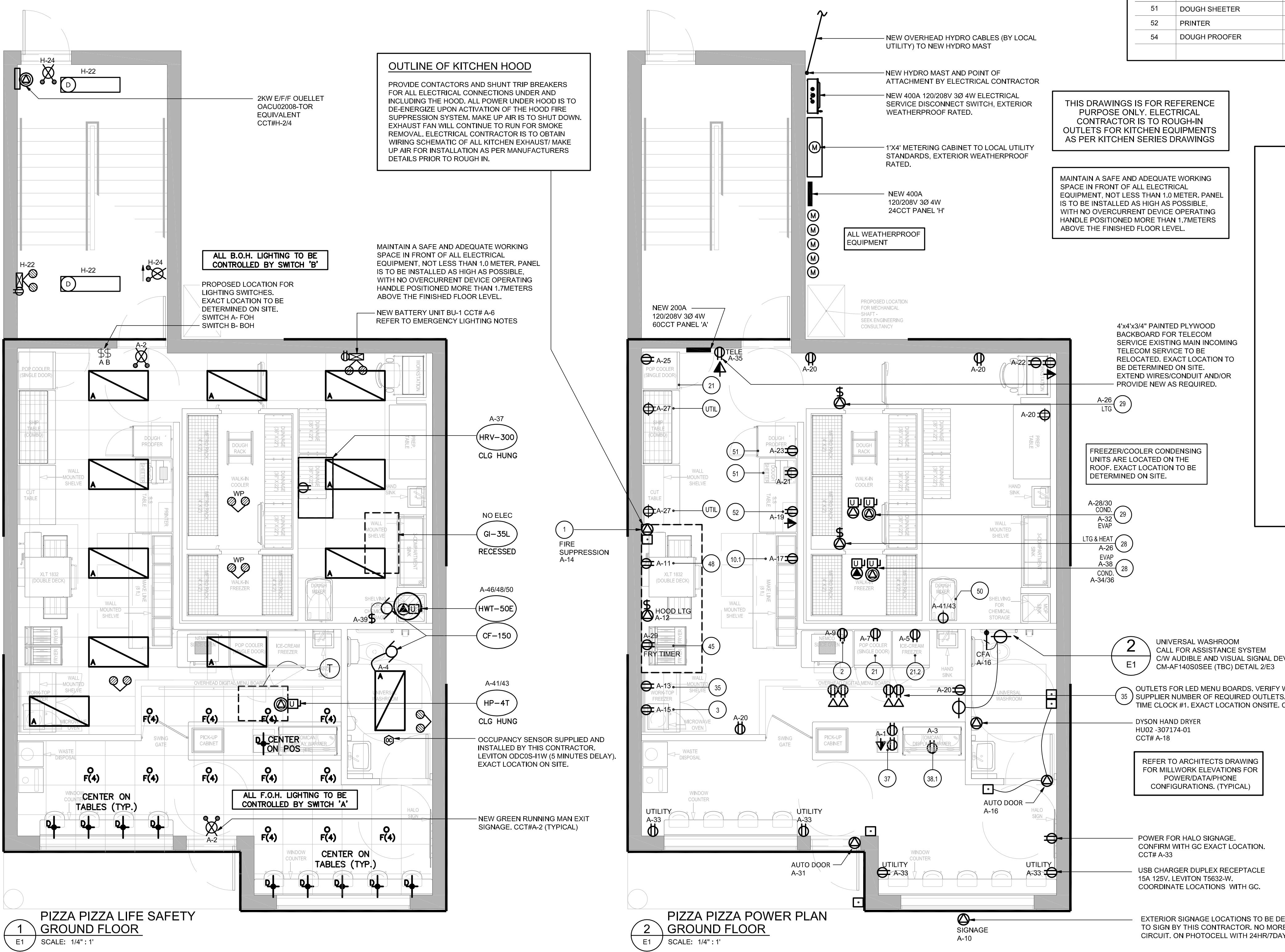
CONTRACTOR IS TO COORDINATE WITH VENTILATION
TRACTOR ALL WORK (REQUIRED) RELATED TO THE FIRE
PRESSURE SYSTEM. COORDINATE THE INSTALLATION OF A BELL.

TRICAL CONTRACTOR TO SUPPLY AND INSTALL THE MAGNETIC
YS FOR THE EQUIPMENT #45 & #48 (ITEMS UNDER THE HOODS)
UT OFF THE ELECTRICAL POWER WHEN THE FIRE SUPPRESSION
EM IS ACTIVATED. COORDINATE WITH HOOD CONTRACTOR.

HE INSTALLATION E. G. LIGHTING, CEILING HEATERS, ETC. TO
ORM TO SEISMIC REQUIREMENTS IN CONFORMITY WITH
RIO BUILDING CODE.

CONTRACTOR MUST SUPPLY, INSTALL AND WIRE AN EMERGENCY
SYSTEM "TEKTON CM800" TOGETHER WITH CORRIDOR BELL
CORRIDOR LIGHT AS WELL AS EMERGENCY CALL SWITCH IN THE
IER FREE WASHROOM. COORDINATE LOCATION WITH THE ARCHITECT.

#	KITCHEN EQUIPMENT SCHEDULE:													
TAG	ITEM	MOEL	QUANTITY IS (1) UNLESS NOTED OTHERWISE		QTY	PLUG	PLUG IS NEMA 5-15R UNLESS NOTED OTHERWISE		V / Ø	M.C.A.	M.O.C.P.	WATTS	CCT#	REMARKS
SERVICE AREA														
1	FIRE SUPPRESSION	FIRE SUPPRESSION	.	.	.	X	120V/1Ø	-	15A	-	AS NOTED	-		
2	NEMCO SLICE OVEN	NEMCO 6055A	.	5-15P	.		120V/1Ø	10.0A	15A	1500W	AS NOTED			
3	MICROWAVE	R-21LVF	.	5-15P	.		120V/1Ø	TBC	15A	1550W	AS NOTED			
10.1	8' MAKE TABLE	TRUE: TPP-93D-6	.	5-15P	.		120V/1Ø	4.0A	15A	480W	AS NOTED	-		
12	HOT WATER TANKLESS	TANKLESS	.	.	X		120V/1Ø	2.0A	15A	240W	AS NOTED	-		
21	SINGLE POP COOLER	TRUE: GDM-26	.	5-15P	.		120V/1Ø	7.2A	15A	860W	AS NOTED			
21.2	ICE CREAM FREEZER	DELFIELD GBF1P-S (TBC)	.	5-15P	.		120V/1Ø	-	15A	720W	AS NOTED			
28	WALK-IN FREEZER LIGHTS & DOOR PANEL CONDENSOR EVAP	PT0036LBNE	.	.	X	120V/1Ø	-	15A	-	AS NOTED				
			.	.	X	208V/1Ø	-	15A	-	AS NOTED				
			.	.	X	120V/1Ø	-	15A	-	AS NOTED				
29	WALK-IN COOLER LIGHTS & DOOR PANEL CONDENSOR EVAP	PTT068MBNE	.	.	X	120V/1Ø	-	15A	-	AS NOTED				
			.	.	X	208V/1Ø	-	15A	-	AS NOTED				
			.	.	X	120V/1Ø	-	15A	-	AS NOTED				
35	WORK-TOP FREEZER	TRUE: T-WT-48F	.	5-15P	.		120V/1Ø	6.1A	15A	730W	AS NOTED			
37	CASH POS	CASH POS	.	5-15P	.		120V/1Ø	-	15A	-	AS NOTED	-		
49	38.1	GOODS DISPLAY CASE	HATCO FSDT-1 (TBC)	.	5-15P	.	120V/1Ø	5.0A	15A	600W	AS NOTED	-		
45	FRYER	FRYMASTER NG SR142G	2	.	.	.	-	-	-	-	AS NOTED	NO ELECTRICAL		
48	DOUBLE CONVEYOR OVEN	XLTCONVEYOR1450DBL. NG	.	X	.		120V/1Ø	3.0A	15A	360W	AS NOTED	PIZZA OVEN - GAS		
50	DOUGH MIXER	ESMACHEMSP/30F/THUNDERBIRD	.	X	.		208V/1Ø	12.0A	15A	1.3KW	AS NOTED			
51	DOUGH SHEETER	SOMERSET: CDR-1550S	.	5-15P	.		120V/1Ø	5.0A	15A	600W	AS NOTED			
52	PRINTER	PRINTER	.	.	X		120V/1Ø	-	15A	-	AS NOTED	-		
54	DOUGH PROOFER	METRO: C519-DD3869	.	5-15P	.		120V/1Ø	12.0A	15A	1.3KW	AS NOTED			



LIGHTING LAYOUT NOTES:

REFER TO INTERIOR DESIGNER
LATEST DRAWINGS FOR LAYOUT AND
LIGHT FIXTURE SPECIFICATIONS.

EMERGENCY AND EXIT LIGHTING LEGEND	
	<p><u>"EXIT" SIGNAGE.</u> CO: STANPRO, CODE: # RMS 0 WH c/w batteries, minimum 30 minutes.</p>
	<p><u>"EXIT" SIGNAGE COMBO.</u> CO: STANPRO, CODE: # PRMS-2L c/w batteries, minimum 30 minutes.</p>
	<p>EMERGENCY LIGHTING REMOTE HEADS. CO: STANPRO, CODE # M 1 12V, LED Lamp,</p>

EMERGENCY LIGHTING NOTES:

- A. SINGLE OR DOUBLE REMOTE MR16 LED LAMP HEAD. MODEL# LUMACELL-SIGNATURE SERIES. CEILING OR WALL MOUNTED TO SUIT. 24V/6W
- B. NEW CALCULATED DC HEAD LOAD
HOUSE: 48 WATTS
PIZZA PIZZA: 60 WATTS
- C. TOTAL CONNECTED LOAD TO BE FED FROM BATTERY UNIT BU-1 TO ENSURE 1/2 HOUR MINIMUM OPERATION. BATTERY UNITS TO HAVE 10% SPARE CAPACITY. ADJUST THIS LAYOUT AND/OR ADD ADDITIONAL BATTERY PACKS AS REQUIRED.

C O N S U L T I N G I N C.
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113 MAIN ST

117 MAIN ST

ELECTRICAL

PLOT DATE _____ PROJECT No. _____

24-643

PIZZA PIZZA

PIZZA PIZZA
GROUND FLOOR

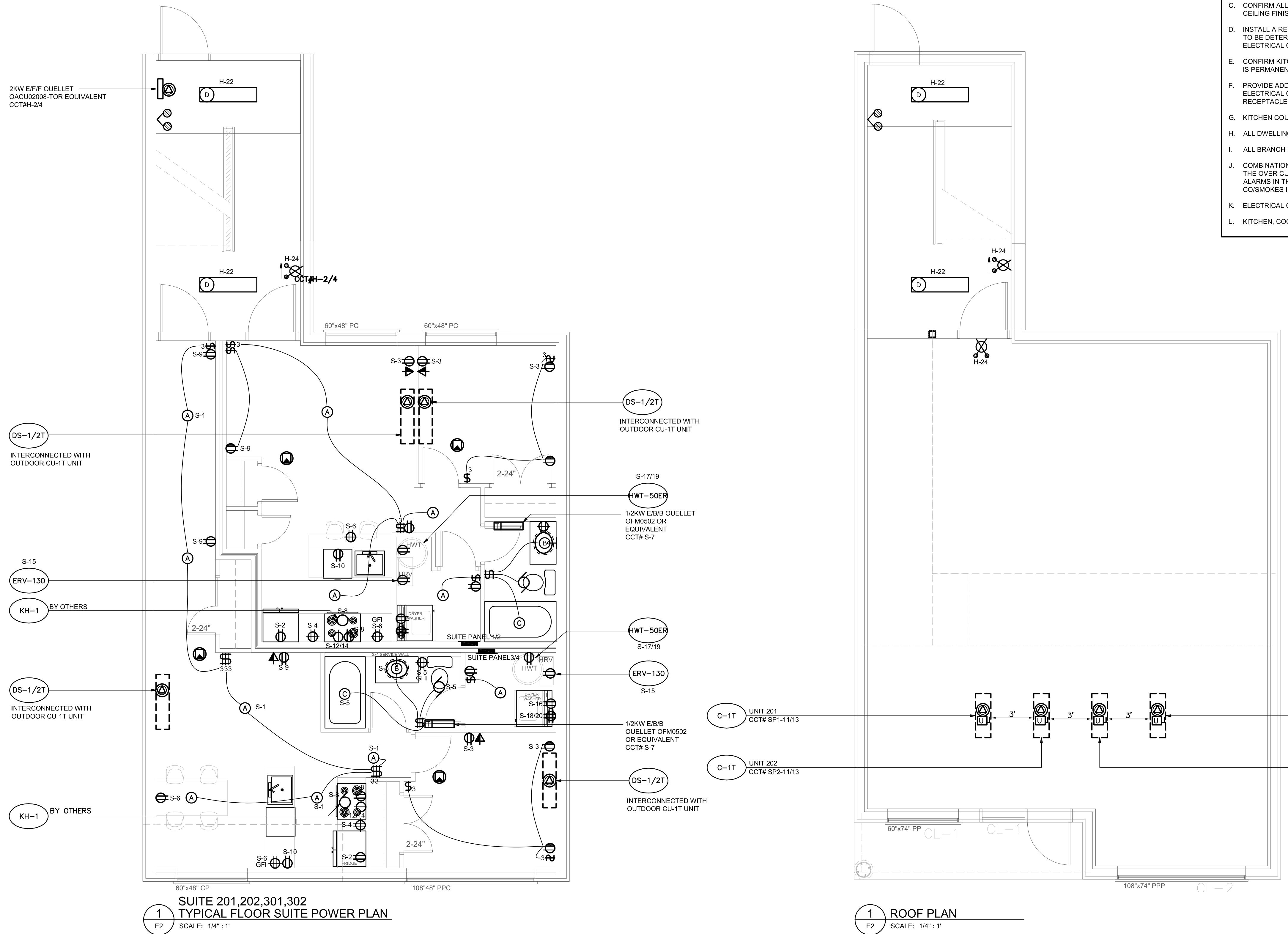
POWER & LIFE SAFETY LAYOUT

LIFE SAFETY LAYOUT

DATE 2024

DRAWN BY E-1

T.H.



TYPICAL SUITE PANEL

OTES:

- SUITE PANEL LOCATIONS WITH LATEST ARCHITECTURAL DRAWINGS AND PLUG/SWITCH LAYOUT WITH LATEST INTERIOR KETING PLANS.

VICES MAY BE MOVED WITHIN A 3.0m RADIUS OF LOCATION SHOWN, AT NO EXTRA COST TO THE CONTRACT IF RELOCATED PRIOR TALLATION.

LUMINAIRE TYPES & LOCATIONS WITH CLIENT PRIOR TO ROUGH IN. DO NOT INSTALL LIGHTS IN CEILING AREAS WHERE THE SH CHANGES.

CESSSED MOUNTED COMMUNICATIONS JUNCTION BOX IN EACH SUITE, SHARED FOR TELEPHONE AND TV. EXACT LOCATION OF JB MINED ON SITE AND COORDINATED WITH ARCHITECT & CLIENT. RUN TWO 3/4" CONDUITS WITH PULL STRING, FROM JB BACK TO CLOSET IN CORRIDOR. MARK SUITE NUMBER ON EACH CONDUIT.

CHEN MILLWORK LAYOUT PRIOR TO PLUG LAYOUT & REVISE ROUGH IN TO SUIT. INSTALL PLUG IN KITCHEN ISLAND ONLY IF ISLAND ITLY FIXED.

ITIONAL OUTLETS AS MAY BE REQUIRED TO MEET ELECTRICAL CODES, WHETHER SPECIFICALLY SHOWN ON DRAWINGS OR NOT. CONTRACTOR TO CONFIRM FINAL SUITE LAYOUTS & PROVIDE ADDITIONAL RECEPTACLES AS PER CODE AS REQUIRED. ALL EXTRA S REQUIRED BY CODE SHALL BE INCLUDED IN TENDER PRICE.

INTER RECEPTACLES TO BE 20A T-SLOT, GFI WHERE REQUIRED.

G UNITS TO HAVE TAMPER PROOF RECEPTACLES.

CIRCUITS 20A 1P OR LESS SHALL BE PROTECTED BY AN ARC FAULT CIRCUIT INTERRUPTER "AFI".

N SMOKE/CO ALARMS SHALL BE INSTALLED WITH PERMANENT CONNECTION TO PANEL WITH NO DISCONNECT SWITCH BETWEEN URRENT DEVICE AND THE SMOKE/CO ALARM. THE ALARMS SHALL BE WIRED SO THAT IF ONE ALARM IN A SUITE SOUNDS, ALL HE SAME SUITE WILL SOUND. AS PER CODE, ONE SMOKE IN EACH BEDROOM AND ONE OUTSIDE IN THE DWELLING UNIT. S TO BE C/W STROBE LIGHT. CO/SMOKE ALARMS SHALL HAVE AN INTEGRAL BATTERY AS A SECONDARY SUPPLY SOURCE.

CONTRACTOR SHALL SUPPLY DRYER CURRENT SENSE RELAY. CONFIRM LOCATION OF DRYER BOOSTER FAN PRIOR TO ROUGH IN.

OKTOP & OVEN ARE SEPARATE UNITS SHARING A TAP CONNECTION.

THIS DRAWING SHALL BE USED ONLY FOR THE PURPOSE INDICATED
IN THE LATEST ISSUED COLUMN ABOVE

ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF
THE DESIGNER AND MAY NOT BE REPRODUCED WITHOUT
WRITTEN PERMISSION. DRAWINGS MUST NOT BE SCALED.
CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS
ON SITE AND REPORT ERRORS AND OMISSIONS TO THE
DESIGNER. THIS DRAWING SHALL NOT BE USED FOR
CONSTRUCTION UNLESS COUNTERSIGNED BY THE DESIGNER.

**THESE DRAWINGS ARE NOT
TO BE SCALED.**

CONSTRUCTION NORTH

C O N S U L T I N G I N C

117 MAIN ST

117 MAIN ST

ELECTRICAL

ELECTRICAL

TEST DATE	PROJECT NO.
	24-643

DRAWING TITLE

TYPICAL

SUITE LAYOUTS 2ND AND 3RD FLOORS

2ND AND 3RD FLOORS

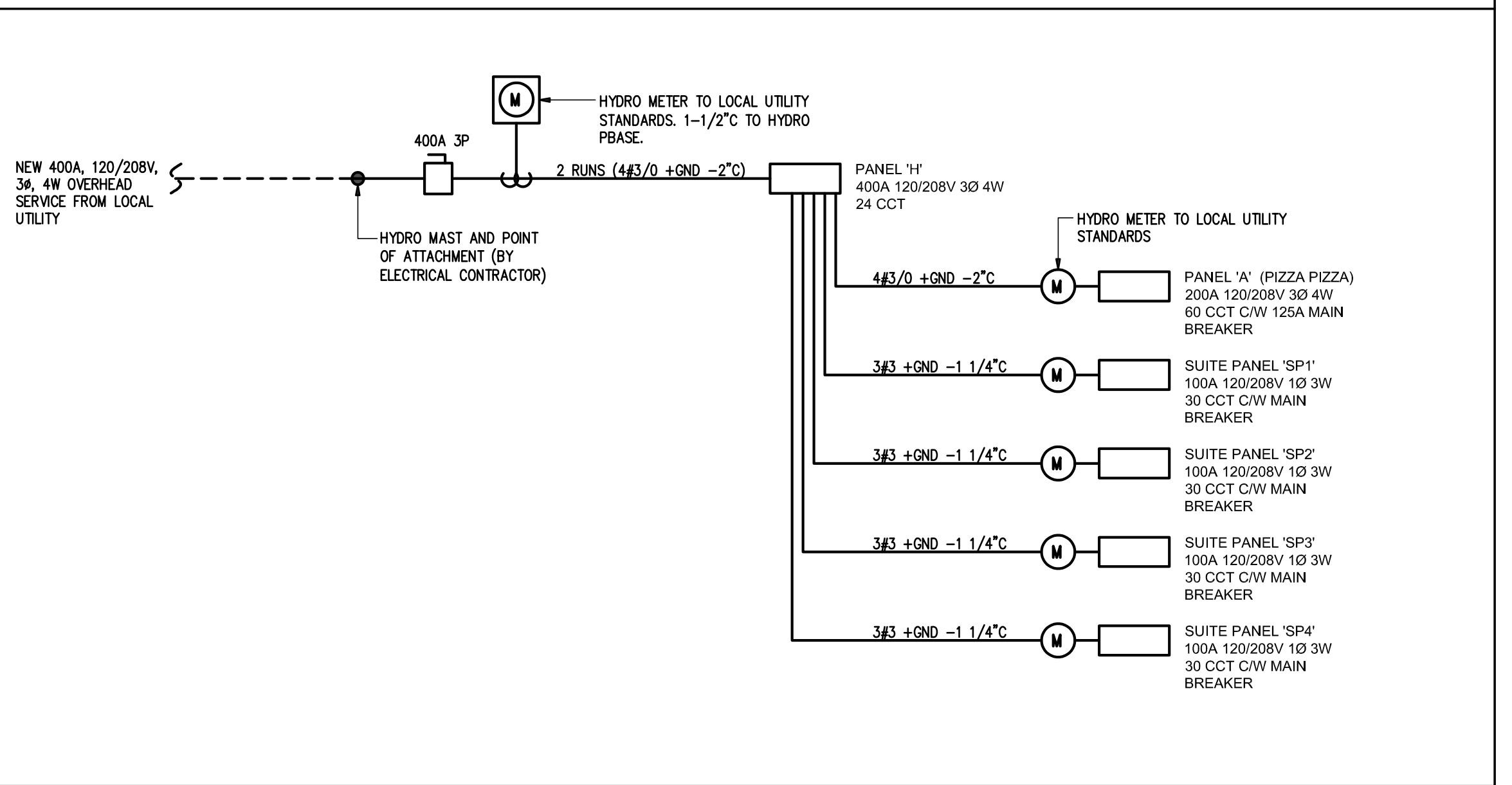
DATE
2024

DRAWN BY
TH F-2

SCALE

$1/4"$ = $1'-0"$

SINGLE LINE DIAGRAM
400AMP 120/208VOLT 3Ø 4W SERVICE



1 SINGLE LINE DIAGRAM
E3
SCALE: N.T.S.

LIGHT FIXTURE SCHEDULE

TYPE	MTG	DESCRIPTION	LAMP
A	SURFACE CEILING	LED DECORATIVE CEILING LIGHT FIXTURE, 14 INCH DIAMETER, 5 CCT SELECTABLE, SIMILAR TO STANPRO LIGHTING SINGLE RING CLSR: 6930 CLSR14-R25W-A-SCBN.	1940 LUMENS 27/30/35/40/50K 80 CRI 25W LED
B	SURFACE WALL	LED WALL MOUNTED VANITY LIGHT FIXTURE, 38 INCH LENGTH, 3 CCT SELECTABLE, SIMILAR TO STANPRO LIGHTING SVANCO: 69035 SVANCO38-S28W-A-3CBN.	2197 LUMENS 3000/3500/4000K 80 CRI 28W LED
C	RECESSED CEILING	RECESSED LED DOWNLIGHT, 4 INCH DIAMETER, 5 CCT SELECTABLE, WET LOCATION RATED, SIMILAR TO STANPRO LIGHTING LPDL: 67799 LPDL4/RND/9W/SCCT/BN/STD.	550 LUMENS 27/30/35/40/50K 80 CRI 9W LED
D	SURFACE CEILING/WALL	4 FOOT LONG, SURFACE MOUNTED LED STAR LIGHT FIXTURE COMPLETE WITH BUILT-IN OCCUPANCY SENSOR, PRESET TO DROW LIGHT LEVEL TO 50% WHEN UNOCCUPIED, SIMILAR TO LITHONIA WL4 SERIES: WL4-20L-MVOLT-EZ1-LP825-MSD7-DIM50.	2000 LUMENS 3000K 80 CRI 19W LED

- ALL LIGHT FIXTURES ARE TO BE C/W APPROPRIATE LAMPS AND DRIVERS
- ALL LIGHT FIXTURES ARE TO BE C/W ALL NECESSARY MOUNTING KITS/ACCESSORIES TO SUIT CEILING TYPE
- SUBMIT SHOP DRAWINGS FOR APPROVAL, COLOR, TEMPERATURE AND FINISH TO BE APPROVED BY ARCHITECT/CLIENT
- ALL CONTRACTORS SHALL SUBMIT THEIR BID BASED ON THE LUMINAIRE SCHEDULES ON THESE DRAWINGS.

APARTMENT UNIT LOAD CALCULATION

AS PER SECTION 9-202 "APARTMENT AND SIMILAR BUILDINGS"
THE MINIMUM AMPLIATY OF SERVICE OR FEEDER CONDUCTORS FOR THE TYPES OF OCCUPANCIES SPECIFIED IN SECTION 9-202 BE BASED ON THE FOLLOWING:

- 1) THE MINIMUM AMPLIATY OF SERVICE OR FEEDER CONDUCTORS FROM A MAIN SERVICE SUPPLYING LOAD IN DWELLING UNITS SHALL BE THE GREATER OF:
(i) A BASIC LOAD OF 3500 W FOR THE FIRST 45 SQM OF LIVING AREA; PLUS AN ADDITIONAL 1500 W FOR THE SECOND 45 SQM OR PORTION THEREOF;
(ii) AN ADDITIONAL 1000 W FOR EACH ADDITIONAL 90 SQM OR PORTION THEREOF;
(iii) ANY ELECTRIC SPACE-HEATING LOAD PROVIDED FOR WITH DEMAND FACTORS AS PERMITTED IN SECTION 62 PLUS ANY AIR-CONDITIONING LOADS WITH A DEMAND FACTOR OF 100%, SUBJECT TO RULE 8-10(4);
(iv) ANY ELECTRIC RANGE LOAD PROVIDED FOR AS FOLLOWS: 6000 W FOR A SINGLE RANGE, AND 40% OF ANY AMOUNT BY WHICH THE RATING OF THE RANGE EXCEEDS 12 KW PLUS;
(v) ANY ELECTRIC TANKLESS WATER HEATERS OR ELECTRIC WATER HEATING EQUIPMENT LOCATED IN DWELLING POOLS, HOT TUBS, OR SPAS WITH A DEMAND FACTOR OF 100%; PLUS;
(vi) ANY LOADS PROVIDED FOR, IN ADDITION TO THOSE OUTLINED IN ITEMS (i) TO (v), AS FOLLOWS:
(A) 25% OF THE RATING OF EACH LOAD WITH A RATING IN EXCESS OF 1500 W PLUS 6000 W, IF AN ELECTRIC RANGE HAS NOT BEEN PROVIDED FOR;
(B) 25% OF THE RATING OF EACH LOAD WITH A RATING IN EXCESS OF 1500 W PLUS 6000 W, IF AN ELECTRIC RANGE HAS BEEN PROVIDED FOR;

LARGEST UNIT AREA:

DESCRIPTION	SQFT	SQM
SUITE 3/4	531	49

SUITE LOAD CALCULATION:

DESCRIPTION	LOAD
1(A)(i)	3.5 KW
1(A)(ii)	0.0 KW
1(A)(iv)	4.9 KW
1(A)(v)	6.0 KW
1(A)(vi)	3.0 KW
1(A)(vii)	1.3 KW (DRYER)

TOTAL:

18.8KW

TOTAL IMPMUS AC/LOAD

13.9KW

- 3) THE MINIMUM AMPLIATY OF SERVICE OR FEEDER CONDUCTORS FROM A MAIN SERVICE SUPPLYING TWO OR MORE DWELLING UNITS SHALL BE BASED ON THE CLOUD OF THE TOTAL LIVING AREA OF THE DWELLING UNITS, AS ALLOWED:
(A) EXCLUDING ANY ELECTRIC SPACE-HEATING LOADS AND ANY AIR-CONDITIONING LOADS, THE LOAD SHALL BE CONSIDERED TO BE THE HEAVIEST LOAD;
(B) THE SUM OF THE CALCULATED LOADS IN THE NEXT 2 UNITS HAVING THE SAME OR NEXT SMALLER LOADS TO THOSE SPECIFIED IN ITEM (i) PLUS;
(C) THE SUM OF THE CALCULATED LOADS IN THE NEXT 2 UNITS HAVING THE SAME OR NEXT SMALLER LOADS TO THOSE SPECIFIED IN ITEM (ii) PLUS;
(D) THE SUM OF THE CALCULATED LOADS IN THE REMAINING UNITS;
(E) IF ELECTRIC SPACE HEATING IS USED, THE SUM OF ALL THE SPACE-HEATING LOADS AS DETERMINED IN ACCORDANCE WITH ITEM (A), SUBJECT TO RULE 8-10(4);
(F) IF NO CONDENSING UNITS, THE SUM OF ALL THE CONDENSING UNITS LOADS SHALL BE ADDED, WITH A DEMAND FACTOR OF 100%, TO THE LOAD DETERMINED IN ACCORDANCE WITH ITEM (E);
(G) ANY ELECTRIC VEHICLE SUPPLY EQUIPMENT LOADS NOT LOCATED IN DWELLING UNITS SHALL BE ADDED WITH A DEMAND FACTOR OF 100%; AND
(H) IN ADDITION TO LIGHTING, HEATING, AND POWER LOADS NOT LOCATED IN DWELLING UNITS SHALL BE ADDED WITH A DEMAND FACTOR OF 75%.

SERVICE LOAD CALCULATION:

DESCRIPTION	LOAD
3(i)	13.9 KW
3(ii)	14.1 KW
3(iii)	5.6 KW
3(iv)	19.6 KW
3(v)	4.0 KW

TOTAL:

51.8KW

RESTAURANT UNIT LOAD CALCULATION

(A) BASIC LOAD CALCULATION

TYPE OF OCCUPANCY	WATTS PER SQM	Demand Factor %	OCCUPANCY AREA	CALCULATED LOAD
RESTAURANT	.30	100%	101 M ²	3.0 KW

(B) SPECIAL LOAD CALCULATION

DESCRIPTION	CALCULATED LOAD
HVAC/PUMB EQUIP. #0.8 DF	16.4 KW
TOTAL:	36.9 KW
	x.25 46.1 KW

FINAL LOAD CALCULATION:

DESCRIPTION	LOAD
TOTAL APARTMENT CALC.	61.8 KW
TOTAL RESTAURANT LOAD CALC.	46.1 KW
TOTAL LOAD:	107.9 KW
	113.8 KVA

107.9KW + 208.3 = 299.5AMPS
THEREFORE DESIGN IS FOR 400 AMPS @120/208V 3Ø 4W

NOTES

- 1) FOR FINAL LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, TELEPHONE OUTLETS, ETC., REFER TO THE LATEST REVISION OF THE OWNER'S, ARCHITECT AND/OR INTERIOR DESIGNER'S OR INTERIOR DESIGNER DRAWINGS.
- 2) ALL RECESSED LIGHTING FIXTURES SHALL HAVE AN APPROVED PROTECTIVE ENCLOSURE, WITH A ONE-HOUR FIRE RESISTANT RATING, ALL AS PER CODE.

- 3) INDICATE TO THE GENERAL CONTRACTOR THE LOCATION OF THESE BOXES AND GENERAL CONTRACTOR SHALL PROVIDE ACCESS PANELS AS PER CODE.
- 4) PANEL BOARDS: 3 PHASE, 4 WIRE, SOLID NEUTRAL DESIGN WITH SEQUENCE BUSSING AND FULL CAPACITY NEUTRAL, OF CAPACITY INDICATED, COMPOSED OF AN ASSEMBLY OF BOLT-IN-PLACE MOLDED CASE AUTOMATIC CIRCUIT BREAKERS AS INDICATED, WITH THERMAL AND MAGNETIC TRIP AND TRIP-FREE POSITION SEPARATE FROM EITHER THE "ON" OR THE "OFF" POSITIONS, TWO (2) AND THREE (3) POLE BREAKERS TO HAVE COMMON SIMULTANEOUS TRIP. IF NO LIGHT SWITCHES ARE INSTALLED, THEN THE BREAKERS FOR THE LIGHTING CIRCUITS MUST BE TYPE SUITABLE FOR SWITCHING.

- 5) THE FIRE SUPPRESSION SYSTEM FOR THE FUME HOOD, COMPLETE WITH GAS SOLENOID VALVE AND INTERCONNECTING WIRING BETWEEN THE SOLENOID VALVE AND THE FIRE SUPPRESSION SYSTEM, ETC., SHALL BE BY OTHERS.
- 6) ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE INSTALLED ON A PLYWOOD BACKBOARD 4"-HIGH X 3/4" THICK X FULL LENGTH, PAINTED WITH FIRE RETARDANT PAINT
- 7) EXISTING ELECTRICAL DISTRIBUTION SHALL BE MODIFIED TO SUIT THE NEW ARRANGEMENT OF THE ELECTRICAL WORK. ELECTRICAL CONTRACTOR MUST SURVEY THE EXISTING ELECTRICAL DISTRIBUTION, PRIOR TO COMMENCING WORK AND SHALL NOTIFY THE ENGINEERS IMMEDIATELY ANY CONFLICTS OR DISCREPANCIES.

- 8) ALL LIGHTING FIXTURES SHALL BE C.S.A. APPROVED OR SHALL HAVE LOCAL INSPECTOR'S APPROVAL.
- 9) ALL ALTERNATE FIXTURES SHALL BE APPROVED BY THE DESIGNER PRIOR TO PURCHASE.
- 10) ALL WIRING MUST BE SIZED AS PER THE ELECTRICAL CODE TO SUIT BREAKERS.
- 11) THE ELECTRICAL CONTRACTOR MUST SUPPLY, INSTALL AND CONNECT THE APPROPRIATE RECEPTACLE OR DIRECT CONNECTION, TO SUIT THE EQUIPMENT, COORDINATE THE EXACT DETAILS OF LOCATION, AMPERAGE, VOLTAGE, RECEPTACLE, WIRING, BREAKER, ETC., WITH THE REPRESENTATIVE. PRIOR TO COMMENCING WORK, THE ELECTRICAL CONTRACTOR MUST RETURN TO THE SITE, AS REQUIRED, IN ORDER TO PERFORM ANY FINAL CONNECTIONS TO THE EQUIPMENT, WHICH WOULD BE REQUIRED.

- 12) HOT WATER TANK, IF REQUIRED, BY MECHANICAL CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR MUST COORDINATE ALL DETAILS OF CONNECTION FOR THE HOT WATER TANK, LOCATION, WIRING, BREAKER, ETC., WITH THE MECHANICAL CONTRACTOR, PRIOR TO COMMENCING WORK.
- 13) THE ELECTRICAL CONTRACTOR MUST CONFIRM COLOUR OF FLUORESCENT TUBES WITH DESIGNER PRIOR TO ORDERING LAMPS.
- 14) ALL LIGHTING FIXTURES SHALL BE SUPPLIED WITH MOUNTING HARDWARE, PLASTER RINGS AND FRAMES, AS REQUIRED.
- 15) ALL INCANDESCENT LAMPS SHALL BE 2500 HOURS, 130 VOLTS.
- 16) ELECTRICAL CONTRACTOR SHALL EXTEND THE EXISTING TELEPHONE CONDUIT, AS REQUIRED, TO THE NEW LOCATION OF THE TELEPHONE TERMINAL.
- 17) THE ELECTRICAL CONTRACTOR MUST COORDINATE THE EXACT LOCATION OF ALL RECEPTACLES, OUTLETS, JUNCTION BOXES, ETC., FOR THE EQUIPMENT AND LOCATED AT THE COUNTERS, ETC., WITH THE DESIGNER AND THE REPRESENTATIVE, PRIOR TO COMMENCING WORK. ALL WIRING, CONDUIT, ETC., RUN IN THE COUNTERS MUST BE NEATLY INSTALLED. COORDINATE THE EXACT ROUTING OF ALL WIRING, CONDUIT, CABLES, ETC., RUN IN THE COUNTERS, WITH THE DESIGNER, PRIOR TO COMMENCING WORK.

- 18) THE CONTROL PANEL FOR THE HOOD SHALL BE INTERCONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM BY THE LANDLORD'S ELECTRICAL CONTRACTOR. ALL WORK CONCERNING THE FIRE ALARM SYSTEM MUST BE AS PER ALL CODES HAVING JURISDICTION. (IF REQUIRED)
- 19) ALL ELECTRICAL WIRINGS & CONDUITS MUST BE HIDDEN FROM PUBLIC VIEW.

- 20) FIRE ALARM SPEAKER (IF REQUIRED) INTERCONNECTED TO THE BASE BUILDING FIRE ALARM SYSTEM, BY THE LANDLORD. ALL WORK CONCERNING THE FIRE ALARM SYSTEM MUST BE AS PER ALL CODES HAVING JURISDICTION
- 21) ALL THE INSTALLATIONS (LIGHTING FIXTURES, ELECTRICAL EQUIPMENT, ETC.) MUST COMPLY WITH ALL THE SEISMIC REQUIREMENTS BY CODE.

- 22) ALL OPENINGS FOR CONDUITS OR ANY OTHER EQUIPMENT, EITHER ON THE WALLS OR FLOORS, MUST BE SEALED WITH A PROPER SEALANT TO MAINTAIN THE EXISTING FIRE RATING OF SUCH WALL/FLOOR AS SPECIFIED BY THE LANDLORD'S ARCHITECT
- 23) ALL ELECTRICAL EQUIPMENT OR DEVICE NOT SHOWN IN THESE DRAWINGS, BUT CONSIDERED NECESSARY TO COMPLETE THE INSTALLATION, WILL BE INCLUDED BY THE ELECTRICAL CONTRACTOR AND SHALL BE PART OF HIS CONTRACT.

- 24) ELECTRICAL CONTRACTOR SHALL COORDINATE THE CONNECTION OF TEMPORARY POWER WITH THE REPRESENTATIVE OF THE OWNER AND GENERAL CONTRACTOR BEFORE STARTING THE WORK.
- 25) ALL COMMUNICATION CABLES (TELEPHONE AND DATA) SUPPLIED BY OTHERS, SHALL BE "FIRE RATED" ACCORDING TO THE CODE FOR INSTALLATION IN PLENUM.

- 26) ALL FANS (SUPPLY OR EXHAUST) C/W STARTER PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR WILL CONNECT THE FAN AND WILL INSTALL AND CONNECT THE STARTER, COORDINATE THE EXACT LOCATION WITH THE MECHANICAL CONTRACTOR AND DESIGNER BEFORE INSTALLATION. COORDINATE EXACT DETAILS OF WIRING WITH MECHANICAL CONTRACTOR BEFORE INSTALLATION.

- 27) BEFORE ORDERING ANY EQUIPMENT, ELECTRICAL CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF THE INTERIOR DESIGNER AND OWNER FOR EQUIPMENT MODEL, MOUNTING HEIGHT, ETC. FOR ITEMS SUCH AS LIGHTING EQUIPMENT, SWITCHES, DIMMER, OUTLETS, THERMOSTATS, ETC. ELECTRICAL CONTRACTOR SHALL SUBMIT A LIST OF ALL ALTERNATIVE EQUIPMENT C/W APPLICABLE CREDITS BEFORE ORDERING THE ELECTRICAL EQUIPMENT.

- 28) ALL BREAKERS USED IN LIGHTING CONTROL MUST BE OF REQUIRED TYPE.
- 29) ALL CONDUIT SHALL BE DETERMINED ACCORDING TO THE TABLE 6 OF THE CANADIAN ELECTRICAL CODE LAST EDITION. ALL PIPES SHOULD BE INSTALLED IN GROUPS ON A PROPER MANNER. ALL CABLES "BX" SHALL BE INSTALLED IN A PROPER MANNER AND MUST BE FIRMLY FIXED.

- 30) ALL POWER SUPPLY WHERE THERE IS NO CEILING SHOULD BE INSTALLED IN DUCT. COORDINATE THE EXACT LOCATION WITH THE INTERIOR DESIGNER, OWNER AND GENERAL CONTRACTOR BEFORE INSTALLATION. NO VISIBLE CONDUIT WILL BE ALLOWED IN FINISHED AREAS.

- 31) ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUITS C/W PULLING WIRE FOR THE TELEPHONE SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE CONDUIT AND PULL BOXES, ETC., AS NECESSARY. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL THE DETAILS OF THE EMPTY CONDUITS FOR THE TELEPHONE SYSTEM, LOCATION, DIAMETER, REAR BOXES, ETC. WITH COMMUNICATIONS CONTRACTOR BEFORE STARTING THE WORK.

- 32) ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL EMPTY CONDUITS C/W PULLING WIRE FOR THE COMPUTER SYSTEM. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE CONDUIT AND PULL BOXES, ETC., AS NECESSARY. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL THE DETAILS OF THE EMPTY CONDUITS FOR THE COMPUTER SYSTEM, LOCATION, DIAMETER, REAR BOXES, ETC. WITH COMMUNICATIONS CONTRACTOR BEFORE STARTING THE WORK.

- 33) ALL OUTLETS AND / OR SWITCHES PLATES TO BE STAINLESS STEEL UNLESS OTHERWISE APPROVED BY THE INTERIOR DESIGNER. (PLATES FOR RESIDENTIAL PROJECTS TO BE PLASTIC AND OF COLOR APPROVED BY THE INTERIOR DESIGNER).