



PART I - GENERAL

A. CONDITIONS

- 1. Furnish and install a completely wired and operational electrical system as shown on the drawings and specified herein, including but not limited to, these major items.
1.1. Lighting fixtures as indicated and specified on the plans.
1.2. Electrical panels, service, conduit, wiring, etc., for all outlets and equipment.
1.3. Telephone outlets and conduit as indicated.

B. RELATED WORKS

- 1. The Electrical Contractor shall provide conduit, trench, and backfill for electrical service entrance from the main service to utility point of electrical service.
2. The Electrical Contractor shall provide conduit, trench, and backfill for primary phone and CATV service from the telephone terminal board or cabinet to the phone company and CATV company point of service.

C. CODES, REGULATIONS, AND STANDARDS

- 1. The installation shall comply with applicable local and state codes and ordinances, with the regulations of the currently accepted edition of the National Electric Code and with the requirements of the power, telephone, and CATV companies furnishing services to this installation.
2. The following industry standards, specifications, and codes are minimum requirements:
2.1. The National Electrical Code (NEC), including local amendments.
2.2. Underwriter Laboratories (UL) incorporated standards.
2.3. American National Standards Institute (ANSI).

D. INSPECTION OF SITE

- 1. Prior to submitting a bid for electrical work, the contractor shall visit the site of the proposed construction and shall thoroughly acquaint himself with existing utilities, and working conditions to be encountered, etc.
2. Electrical installation shall meet the existing conditions.

E. STORAGE AND HANDLING OF MATERIALS

- 1. Deliver materials and equipment to the project in the manufacturer's original, unopened, labeled containers.
2. Arrange for timely delivery of materials and equipment to the job site in order to minimize the length of time between delivery and installation.
3. Cover and protect any material which may be affected by the weather while in transit or stored at the project site.

F. CLEANUP

- 1. Keep the premises free from accumulation of waste materials, or rubbish caused by employees or work under this division of the specifications.

G. EXCAVATION

- 1. Perform all excavation and back filling required for work performed under this division of the specifications.

H. DRAWINGS

- 1. The drawings indicate the general arrangement and locations of the electrical work data presented on these drawings are as accurate as planning can determine, but field verification of all dimensions, locations, levels, etc., to suit field conditions is required.

I. EXCAVATION, CUTTING, AND FITTING

- 1. Perform the excavation, cutting, fitting, repairing, and finishing of the work necessary for the installation of the equipment of this section.

J. COOPERATION WITH OTHER CONTRACTORS

- 1. Cooperate with the other trades so that the installation of the electrical outlets and equipment will be properly coordinated.
2. Coordinate the location of the trenches and conduits for electrical and telephone utility services with the general contractor.
3. Coordinate HVAC equipment connection requirements with HVAC contractor.

PART II - PRODUCTS AND EXECUTION

A. MATERIALS

- 1. All materials shall be new and of quality as specified on the plans or specifications and must carry the Underwriter's Laboratories approval covering the purpose for which they are used.

B. CONDUIT

- 1. All wiring shall be installed in listed metallic conduit except as permitted below.
2. Cover metallic conduit in contact with earth with polyethylene taped spiral wrapped, 1/2 lapped to provide 20 mil. thickness.
3. Fittings and conduit bodies shall be steel.
4. Conduit sizes shall be as required by code and as indicated or specified.
5. All empty conduit systems shall have a nylon pull string to facilitate installation of future wire.
6. Schedule 40 PVC conduit shall be permitted underground with proper fittings.
7. Conduits and outlets shall be concealed with the building structure.
8. All conduit systems shall have a Code sized copper ground conductor increase conduit size as required.
9. Conduit penetration through roof shall have roof flashing with caulk type counter flashing sleeve.
10. Conduits shall be routed surface on the structure, parallel and perpendicular to the structure.

C. OUTLET, PULL, AND JUNCTION BOXES

- 1. Each switch, light, receptacle or other outlet shall be provided with a Code gauge, galvanized steel outlet box.
2. Boxes installed in poured cement floors shall be flush type cast iron or steel with watertight gasketed covers.
3. Boxes installed for the alarm, computer, and security system shall be provided with appropriate cover plates.
4. Boxes for telephone, computer, TV, fire alarm, security, and similar systems shall be minimum 4" square and 2-1/8" deep.

D. SWITCHBOARDS, DISTRIBUTION BOARDS, MOTOR CONTROL CENTERS

- 1. See Single Line Diagram General Notes on drawings for more information.

E. PANEL BOARDS

- 1. See drawings for panel board schedules and specifications.

F. WIRE

- 1. Conductor sizes shown on the drawings are based on copper wire.
2. Metal Clad Cable "Type MC" cable may only be utilized for interior branch circuitry supplying lighting fixtures.
3. When use is permitted in the Allowed Specification Deviations, Metal Clad "Type MC" cable may be installed per NEC Article 330.
4. The wires shall be marked with color to simplify circuit identification.

Table with 2 columns: Conductor Size and Color. 208/120 Volts: Phase A = Black, Phase B = Red, Phase C = Blue, Neutral = White, Ground = Green. 480/277 Volts: Phase A = Brown, Phase B = Orange, Phase C = Yellow.

Neutral = Gray, Ground = Green

- 5. No wire shall be installed in the conduit system until the conduit system is complete.
6. Splices in exterior pull boxes and manholes shall be weatherproof using "Scotchcast" splice kit or approved equal.
7. Provide solid conductor for 12 AWG and smaller.
8. Provide 10 AWG conductors for 20 ampere, 120V branch circuits longer than 75-feet and 8 AWG conductors for 20 ampere, 120V branch circuits longer than 120-feet.

G. WIRING DEVICES

- 1. Wall switches shall be Specification Grade AC silent type switches, 20A, 120/277 volt.
2. Receptacles shall be Specification Grade, duplex type, NEMA 5-20R, 20 ampere, 120 volt grounded type.
3. Device plates shall be equal to sierra smooth-line plastic wall plates.
4. All receptacles identified as weatherproof on the drawings shall be weather-resistant.
5. Except as otherwise noted, all wiring device plates on the project shall be labeled with panel and circuit number(s).

H. LIGHTING FIXTURES

- 1. Provide all lighting fixtures, wired and connected.
2. Conduit penetration through roof shall have roof flashing with caulk type counter flashing sleeve.

I. SERVICE ENTRANCE SECTION

- 1. The service entrance equipment shall be as indicated on the drawings.
2. Service entrance equipment shall be provided with a fully rated copper or aluminum bus.

J. SYSTEM GROUNDING

- 1. Grounding shall comply with requirements of Article 250.
2. Grounding conductor (neutral) of the wiring system shall be connected to the system grounding conductor at a single place in each system.
3. A ground bus separate from the neutral bus shall be provided in all switchboards and panelboards.

- 3. A ground bus separate from the neutral bus shall be provided in all switchboards and panelboards.

- 4. Ground buses and neutral buses in all distribution panels, switchboards, panelboards, and those provided in any equipment shall be isolated except where required to be connected as specified above.

- 5. When indicated on the drawings, equipment grounding conductors shall be extended from the ground bus in the distribution equipment to the receptacle, fixture or device lugs where they are provided.

- 6. Raceways may not be used as a grounding conductor for power and lighting circuits.

- 7. In inaccessible locations, make connections by exothermic weld process.

- 8. In accessible locations, connections shall be made with bolted through, approved solderless bronze grounding devices.

K. TELEPHONE SYSTEM

- 1. Telephone wall outlets shall consist of standard boxes mounted 18" above the floor unless otherwise indicated.

L. LIGHTING CONTROL

- 1. Furnish and install time switches, photocells, contactors and full lighting control systems as required for lighting controls indicated on the drawings.

- 2. Time switches shall be equal to Paragon, General Electric, Tork, or Intermatic and shall have size and number of poles as required.
3. Photocells shall be equal to Tork or Intermatic with voltage as indicated.

M. DRY TYPE TRANSFORMERS

- 1. Manufacturers: subject to compliance with requirements, provide products by one of the following:
1.1. Acme Electric Corporation; Power Distribution Products Division.
1.2. GE Electrical Distribution & Control.
1.3. Eaton.
1.4. Square D/Groupe Schneider NA.

- 2. Coils: Continuous windings without splices, except for taps.
3. Internal coil connections - brazed or pressure type.
4. Coil material - copper
5. Enclosure - ventilated, NEMA 250, Type 2 (NEMA 3R for outdoor installations).
6. Insulation class - 220°C, UL-component-recognized insulation system with a maximum of 150°C rise above 40°C ambient temperature.
7. Taps for transformers 25 kVA and larger - two 2.5 percent taps above and four 2.5 percent taps below normal full capacity.
8. Wall brackets - manufacturer's standard brackets.
9. Low-sound-level-requirements - minimum of 3 dba less than NEMA ST-20 standard sound levels when factory tested according to IEEE C57.12.91

N. GUARANTEE

- 1. Guarantee all material furnished and all workmanship performed for a period of one year from date of final acceptance of work.

O. SHOP DRAWINGS AND APPROVALS

- 1. The items specified herein and on drawings are used as a standard of quality.
2. The contractor shall submit shop drawings on the following items:
3.1. Lighting fixture cuts and performance data.
3.2. Outline drawings and data sheets of each panelboard and switchboard.
3.3. Outline drawings of all switchgear.

- 4. Submit items at one time in a neat and orderly manner within 15 days of award of contract.
P. RECORD AND AS-BUILT DRAWINGS
1. The Electrical Contractor shall maintain a set of drawings at the job site for the exclusive purpose of maintaining a record of all work installed and to show any deviations from the work indicated on the drawings.

Q. HOUSEKEEPING PADS

- 1. Provide a minimum of 3" high housekeeping pad above finished floor/finished grade for all floor-mounted switchgear, switchboards, distribution boards, transformers, motor control centers, etc.
2. At the completion of the project, one set of reproducible drawings, showing all As-Built conditions, shall be delivered to the Owner for acceptance prior to final payment.

R. EQUIPMENT CONNECTIONS

- 1. Provide a minimum of 3" high housekeeping pad above finished floor/finished grade for service equipment.
2. Unless otherwise noted above, provide a minimum of 1-1/2" high housekeeping pad above finished floor/finished grade for all interior floor-mounted switchgear, distribution boards, transformers, motor control centers, transfer switches, etc.
3. Provide a 1-1/2" high housekeeping pad above finished floor/finished grade for service equipment.
4. All housekeeping pads located in, on, or attached to a building shall be seismically braced/connected to the building structure.

S. MOTORS

- 1. Provide flexible connections to all HVAC equipment, water heater, etc any equipment over 20 lb and/or mounted above finished floor.
2. Coordinate electrical requirements for all plumbing and mechanical equipment with final Contractor selection.

- 3. Where motors are installed in suspended ceilings, contractor shall provide disconnect switch in suspended ceiling within reach from access point.
4. Sizing of motor-related electrical components, including feeder and/or branch circuits (wire and conduit) and overcurrent protection (breaker and/or fuses) is based on ratings indicated in the contract documents as well as NEC approximated loads for a given motor horsepower, voltage and phase.

T. FIRE SYSTEM

- 1. Contractor shall engage the services for a state licensed fire alarm manufacturer/installer to prepare all design drawings and calculations required for system approval by the authority having jurisdiction.
2. Fire alarm device wiring shall be minimum #14 AWG copper or per system manufacturer requirements.
3. Upon completion of the installation of life safety system wiring and devices, a performance test of the entire life safety shall be performed to the satisfaction of the authority having jurisdiction.

U. LOW VOLTAGE SYSTEMS

- 1. Music, television, video mounting systems are not shown on these drawings and are provided by Contractor through architects schedules/details.
2. Fire alarm device wiring shall be minimum #14 AWG copper or per system manufacturer requirements.

V. IDENTIFICATION OR EQUIPMENT LABELING

- 1. Nameplates shall be provided for switchgear, switchboards, distribution boards, distributions panels, panel boards, motor control centers, transformers, transfer switches, contactors, starters, disconnect switches, enclosed circuit breakers/switches, inverters, UPS's, PDUs, RDC's, SPD's, lighting control panels, dimming panels, door releasing system panels, fire alarm/central monitoring terminal cabinets/power supplies/control panels, and all low voltage system terminal and control cabinets.
1.1. Nameplate inscriptions shall be identical to the equipment designations indicated in plans and specifications.

- 2. Identification nameplates, unless otherwise noted (UON), shall be laminated/extruded modified acrylic or melamine plastic labels that is 3/32" thick, UV-stabilized, matte finish, suitable for use in 180°F ambient, with beveled edges and engraved white letters 3/8" high, minimum, on 1-1/2" high black background for single line of text.
3. Identification nameplates for new switchgear, switchboards, distribution boards, distribution panels, panel boards and motor control centers shall be attached with switchgear manufacturer-provided screws.

- 4. Identification nameplates for transformers, transfer switches, disconnect switches, enclosed circuit breakers/switches, inverters, UPS's, PDUs, RDC's, SPD's, lighting control panels, dimming panels, door-releasing system panels, terminal cabinets and all circuit breakers/fuses in switchgear, switchboards, distribution boards, distribution panels, UPS output circuit breakers, PDUs, PDU sub-feed circuit breakers, and motor control centers shall be attached to the equipment by self-adhesive backing integral to the nameplates.
5. Warning Placards, as required by General Single Line Diagram Notes for multiple power sources, or instruction placards, as required for all kirk-key interlock schemes, all UPS bypass procedures or as required elsewhere in the plans/specifications shall be engraved 1/2" high with white lettering on red background using the same material specified for identification nameplates with a self-adhesive backing.

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Table with 3 columns: No., DATE, DESCRIPTION. Row 1: 09-22-21, PCC #1, CLIENT AND LANDLORD REVISIONS.

CLIENT INFORMATION



NEKTER - LEE'S SUMMIT, MO
940 NW PRYOR ROAD, UNIT: G, LEE'S SUMMIT, MISSOURI 64081

ELECTRICAL SPECIFICATIONS

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E002

MARK	QT.	DESCRIPTION	EQUIPMENT SIZE	MANUFACTURER	MODEL	REMARKS	NSF	UL	SUPPLIED BY		INSTALLATION BY		PLUMBER HOOK-UP	ELECTRICIAN HOOK-UP	GC PLUG IN/TURN ON
									FRANCHISEE CONSOLIDATOR	GC	FRANCHISEE CONSOLIDATOR	GC			
CH1	1	CHEMICAL DISPENSER				CHEMICAL DISPENSER PER NEKTER SPECIFICATIONS									
DES1A	1	EPOXY COATED WIRE RACK	18"x30"x86"	THUNDER GROUP	CMEP1830	GC TO ASSEMBLE AS PER PLAN- 4 SHELVES AND POSTS									
DES7A	1	EPOXY COATED WIRE RACK	24"x 30" x 86"	THUNDER GROUP	CMEP2430	GC TO ASSEMBLE PER PLAN - 4 TIER SHELVING ON 86" POSTS									
DES8	1	EPOXY COATED WIRE RACK	24" x 36" x 74"	THUNDER GROUP	CMEP2436	GC TO ASSEMBLE AS PER PLAN- 5 TIER SHELVING ON 74" POSTS									
DES10	1	EPOXY COATED WIRE RACK	24" x 48" x 86"	THUNDER GROUP	CMEP2448	GC TO ASSEMBLE AS PER PLAN- 4 SHELVES AND POSTS									
DES11	1	EPOXY COATED WIRE RACK	24"x60"x86"	THUNDER GROUP	CMEP2460	GC TO ASSEMBLE AS PER PLAN- 4 SHELVES AND POSTS									
DES11A	2	EPOXY COATED WIRE RACK	24"x60"x74"	THUNDER GROUP	CMEP2460	GC TO ASSEMBLE AS PER PLAN- 5 TIER SHELVING ON 74" POSTS									
DSR8	1	CHROME WIRE RACK	24" x 36" x 86"	THUNDER GROUP	CMEP1842	GC TO ASSEMBLE AS PER PLAN- 4 TIER SHELVING ON 86" POSTS									
DS2	2	STAINLESS STEEL WALL MOUNT SHELF	14" W x 48" L	GSW	WS-W1448	GC TO INSTALL AS PER PLAN - ADD WALL BACKING AS NEEDED									
DS3	1	STAINLESS STEEL WALL MOUNT SHELF	14" W x 60" L	GSW	WS-W1460	GC TO INSTALL AS PER PLAN - ADD WALL BACKING AS NEEDED									
E110	1	SAFE	20x18x26	MESA SAFE CO.	MFL2014E	SYSTEM SUPPLIED BY VENDOR VIA OWNER									
E115	2	PAPER TOWEL DISPENSER OR EQUAL	12 3/4 x 12 1/2 x 8 1/2	SAN JAMAR	T950TBK	G.C. TO LEAVE THE KEY TAPED TO TOP OF THE DISPENSER									
E120	3	WALL MOUNTED SOAP DISPENSER	6 1/8 x 4 1/8 x 4 1/4"	SAN JAMAR	S30TBK										
E125	1	MOP RACK	17 11/16" X 2 5/8"	T&S BRASS	B-0653										
E141	1	EMPLOYEE LOCKERS	12W" x 12D" x 78H"	WIN-HOLT EQUIPMENT	WL-66/15/RD/OB	VENTED, OPEN BASE, RIGHT DOORS									
EPOS1	1	POS - REGISTER WITH COMPACT CASH DRAWER				SYSTEM SUPPLIED BY VENDOR VIA OWNER - GC TO PROVIDE ALL REQUIRED CONDUITS									
EPOS2	3	TICKET PRINTER		NCR	7137-0035-8801	SYSTEM SUPPLIED BY VENDOR VIA OWNER - GC TO PROVIDE ALL REQUIRED CONDUITS, QJAD & DATA BOX									
EPOS3	1	CASH DRAWER	4 3/4" H x 16 1/2" W x 16 1/2" D	NCR	CD-101A	SYSTEM SUPPLIED BY VENDOR VIA OWNER									
EW50	4	EPOXY-COATED WALL MOUNTED WIRE SHELF	14"x30"	THUNDER GROUP	CMEP1430	ABOVE 3 COMP SINK @ 5' AFF ADD WALL BACKING									
EW53	16	EPOXY COATED WALL BRACKET	14"	THUNDER GROUP	WBEP214	ABOVE 3 COMP SINK @ 5' & 6'-6" AFF, ADD WALL BACKING									
EW56	4	EPOXY-COATED WALL-MOUNTED WIRE SHELF	14"x60"	THUNDER GROUP	CMEP1460	ABOVE 3 COMP SINK @ 5' AFF ADD WALL BACKING									
F71	1	MANAGER STATION	REFER TO PLANS	MILL WORKER / GC	REFER TO PLANS	GC TO ASSEMBLE AND INSTALL									
F76	1	OFFICE CHAIR		DIY		GC TO ASSEMBLE AND INSTALL									
ST18	1	STAINLESS STEEL TABLE 4" REAR BACKSPLASH	2' L x 2' D x 211"H, 4" BACKSPLASH	GSW	WT-PB2424	GC TO ASSEMBLE									
ST48	1	STAINLESS STEEL TABLE	30"W x 48"L, 4" BACKSPLASH	GSW	WT-PB3048	2 UNDERSHELVES/CASTERS (S23) - TABLE HEIGHT TO BE 36" - GC TO ASSEMBLE									
ST114	1	TRASH CHUTE (IN-COUNTER, ROUND)	6 1/4" DIA- STAINLESS STEEL	VOLLRATH	3Y0502	6" ROUND IN HOLE - SILICONE ONTO COUNTERTOP									
TSJ1	1	SLIM JIM SERVICE AREA TRASH CAN	29.88 H" x 20" W x 11" D	CARLISLE	34202303										
RR60	5	SECURITY CAMERA		F'EE SUPPLIED		GC INSTALLED W/ ELECTRICAL AS LOW VOLT. AND TERMINATION									
-	2	360 DEGREE SECURITY CAMERA		F'EE SUPPLIED		GC INSTALLED W/ ELECTRICAL AS LOW VOLT. AND TERMINATION									
-	2	AUDIO SPEAKERS		F'EE SUPPLIED		GC INSTALLED W/ ELECTRICAL AS LOW VOLT. AND TERMINATION									
E5	1	REACH-IN SOLID SWING DOOR FREEZER	54 1/8" W x 29 1/2" D x 78 3/8" H	TRUE	TS-49FG-HC-FGD01	ELECTRICAL 115 / 60 / 1 - 9.6 A, HINGE LEFT									
E22	1	FOOD REFRIGERATED PREP TABLE	28"L x 30"D x 37"H	TRUE	TSSU-27-08	ELECTRICAL - 115V/60/1 - 4.9A., WITH FLAT LID									
E27	1	FOOD REFRIGERATED	28"L x 30"D x 33.5"H	TRUE	TWT-27F-HC	ELECTRICAL - 115V/60/1 - 2.0A., HINGE RIGHT									
E30	1	WORKTOP FREEZER	49"L x 30"D x 33.5"H	TRUE	TWT-48F-HC	ELECTRICAL - 115V/60/1 - 3.2A.									
E40	1	REFRIGERATOR SELF SERVICE COUNTER	39" L x 28"D 78 1/2" H	TURBO AIR	TOM40-B	ELECTRICAL: 115 / 60 / 1 / 15A. INSTALL TOTAL OF (6) CASTERS, ONE AT EACH CORNER AND (2) AT THE CENTER EDGES TO ENCOMPASS THE ENTIRE EDGE OF THE UNIT									
E48	1	DIPPER WELL SQUARE	15 1/4" W x 10 5/8" D x 5 1/4" H	SERVER	87750	ELECTRICAL: 120V / 400W / 3.3A									
E51	3	BLENDER	8"Wx9"Dx20.3"H	VITAMIX	748	ELECTRICAL: 120 V, 50/60 Hz, 13.0 A									
E58	2	MULTI FRUIT JUICER	20.1" x 19.7" x 11.4"	ZUMMO	Z22C	ELECTRICAL - 110V / 60HZ / 800W									
E63	1	ICE MAKER	39" x 24" x 24.58"	ICE-O-MATIC	ICEU220A	ELECTRICAL - 110V/60/1 - 11.9MCA / FUSE SIZE - 15.- GC/PLUMBER TO INSTALL AS PER PLAN									
E64	1	REACH-IN SINGLE SOLID DOOR FREEZER, WITH 6" CASTERS	27" W x 29 7/8" D x 78 3/8" H	TRUE	T-23FG-HC-FGD01	ELECTRICAL 115 / 60 / 1 - 6.2 A, HINGE LEFT									
E65	1	DEEP WELL UTILITY CART	17 1/2"W x 34 1/2" L x 32 3/4" H	LAKESIDE MANUFACTURING	2521	INSTALL TOTAL OF (4) CASTERS, ONE AT EACH CORNER									
E68	1	WATER FILTER	-	ICE-O-MATIC	IF01										
E99	3	SNEEZE GUARD GLASS	-	TBD	TBD										
E105	4	SNEEZE GUARD POST	-	TBD	TBD										
E158	1	OATMEAL WARMER	17 3/8" W x 15 1/4" D x 13 1/2" H	ZOJIRUSHI	NYC-36	ELECTRICAL 120V / 1,300 W, STAINLESS STEEL COLOR									
SE-01	1	FIRE EXTINGUISHER	-	-	-										
E42	6	DELI CASE CASTERS	-	KROWNE METAL	28-109S	PROVIDE TOTAL OF 6 CASTERS, SEE CASTER NOTE FOR E40									
E63.1	1	ICE SCOOP	-	INFRA	ISH-512										
E79	1	WALK-IN COOLER	8'-4" x 8'-0" x 6'-0"	MASTER-BILT	QSB8468-CX										
E126	2	TICKET RAIL	18" L	TABLECRAFT	5518										
E128	2	TICKET RAIL	36" L	TABLECRAFT	5536										
E129	1	KNIFE RACK	24" L	ONEIDA	MTH-24P										
F3B	1	WINDOW BAR	12"Wx7"-0"L	TBD	TBD	CUSTOM BUTCHER BLOCK BAR TOP									
F3C	1	ADA WINDOW BAR	12"Wx5"-0"L	TBD	TBD	CUSTOM BUTCHER BLOCK BAR TOP; POPLAR, 1 1/2" STOCK WITH MS1 & FB3									
F25B	5	ADA BOLT DOWN BAR BASE - INTERIOR	-	ASTRA	1238	ACCESSIBLE HEIGHT BAR BOLT DOWN BASE									
F44	2	BACKLESS BARSTOOL	-	ASTRA	5697	GC TO ASSEMBLE AND INSTALL									
M1	1	NEKTER MEDALLION	47" DIAMETER	F'EE SUPPLIED		GC INSTALLED									
WAF1	1	HORIZONTAL WALL ART	-	F'EE SUPPLIED		FRANCHISEE PROVIDED ARTWORK, GC INSTALLED									
WAF2	2	VERTICAL WALL ART	-	F'EE SUPPLIED		FRANCHISEE PROVIDED ARTWORK, GC INSTALLED									

MARK	QT.	DESCRIPTION	EQUIPMENT SIZE	MANUFACTURER	MODEL	CW	HW	W	V	GAS	CFH	REMARKS	NSF	UL	SUPPLIED BY		INSTALLATION BY		PLUMBER HOOK-UP	ELECTRICIAN HOOK-UP	GC PLUG IN/TURN ON	
															FRANCHISEE CONSOLIDATOR	GC	FRANCHISEE CONSOLIDATOR	GC				
FX16	4	FLOOR SINK	12" x 12" x 6"	ZURN	1900-25	0"	0"	1 1/2"	1 1/2"													
S1	2	16" WIDE HAND SINK W/ SPLASH GUARDS	H = 18-1/2" x W = 16" x D = 15"	KROWNE	HS-26L	1/2"	1/2"	2"	1 1/2"													
S7 & S8	1	MOP SINK COMPOSITE/MOP SINK w/ BACK FLOW PREVENTER DEVICE	24" x 24" x 12 7/8" WALL MOUNTING MIXING	MUSTEE/ T&S	63M / B-0665-BSTR	1/2"	1/2"	3"	2"			COMPOSITE SINKS OK TO USE IN LIEU OF SST										
S17	1	(SINGLE) COMPARTMENT SINK (LEFT DRAIN BOARD)	24" x 39 1/8" x 45"	GSW	SE18181L	1/2"	1/2"	2"	1 1/2"			MUST HAVE A WASTE HANDLE BRACKET PER BOWL TRAP (FX25)										
S57	2	3 COMPARTMENT SINK - CORNER	57 1/2"x57 1/2"x30"	GSW	SE18183C	1/2"	1/2"	2"	1 1/2"			MUST HAVE A WASTE HANDLE BRACKET PER BOWL FOR TRAP (FX25)										
S62	7	WASTE VALVE	-	T&S BRASS																		
S73	2	FAUCET ASSEMBLY AT 3-COMPARTMENT CORNER AND SINGLE COMPARTMENT SINK	-	T&S BRASS	B-0230-CR-LN, BR-0230-LN, 060X, B-0230-K							QUARTER TURN CERMA CARTRIDGES, LOW LEAD, ADA COMPLIANT, 8" STANDARD NOZZLE, STREAM OUTLET, LOW LEAD, CHROME-PLATED BRASS.										
S75	1	SINGLE FAUCET WALL-MOUNT FILLER	-	T&S BRASS	B-0212							SINK FAUCET WITH 6" SWING NOZZLE, WALL MOUNTED										
S76	1	THREE COMPARTMENT SINK - PRE-RINSE & FAUCET ASSEMBLY	-	T&S BRASS	5PR-8W12, B-0230-K							EQUIP PRE-RINSE UNIT, 8" CENTERS, WALL MOUNT BASE, 6" BRACKET, 12" ADD-ON FAUCET.										
WH-1	1	WATER HEATER	55"H x 20.5" DIAM.	A.O. SMITH	DEN-52	3/4"	3/4"															



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REVISIONS		
No.	DATE	DESCRIPTION
1	09-22-21	PCC #1, CLIENT AND LANDLORD REVISIONS

CLIENT INFORMATION

**nekter**  
JUICE BAR.

PROJECT NAME  
**NEKTER - LEE'S SUMMIT, MO**

940 NW PRYOR ROAD, UNIT: G,  
LEE'S SUMMIT, MISSOURI 64081

SHEET NAME  
**KITCHEN EQUIPMENT SCHEDULE**

DRAWN	CHECKED	WR
DATE	09/22/21	
SCALE	AS NOTED	
PROJECT NUMBER		
SHEET		

**E003**

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LUMINAIRE SCHEDULE

TAG	MANUFACTURER & MODEL NO.	LAMP	CCT	VA   SYSTEMS WATTS	GENERAL DESCRIPTION	NOTES
LTF-1	LITHONIA LIGHTING EPANEL-24-40L-35K OR APPROVED EQUAL	LED	3500	39	2'X4' LAY-IN TROFFER (WHITE COLOR TRIM) W/ INTEGRAL 90-MIN EMERGENCY BATTERY BACK-UP	INTERIOR
LRC-1	AMERLUX HOUSING: CLX-R6-NC-A17-25-120-D10V TRIM: CLX-RD6-A17-SDW-FL-3500K-83 OR APPROVED EQUAL	LED	3500	25	6" RECESSED LENSED LED DOWNLIGHT (MATTE WHITE TRIM)	INTERIOR
LEB-1	JUNO HOUSING: IC22 SERIES TRIM: 28W-WH EYEBALL OR APPROVED EQUAL	LED	3500	14	6" WALLWASH DOWNLIGHT	INTERIOR
DLB-1	KUZCO LIGHTING PD1712-BK OR APPROVED EQUAL	LED	2700	12	11-3/4" DIA CHROMA PENDANT	INTERIOR
LTB-6	WAC LIGHTING MQ-2020-935-BK OR APPROVED EQUAL	LED	3500	20	SIL0 X20 MOMOPOINT	INTERIOR
LE-2	LITHONIA LIGHTING LX-W-G	LED	---	2.5	EXIT LIGHT, GREEN LETTERS AC ONLY	INTERIOR

LIGHTING PLAN GENERAL NOTES

- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION & ELVATION OF ALL LIGHTING FIXTURES AND ALL DEVICES. ALL WALL-MOUNTED DEVICE HEIGHTS SHALL BE VERIFIED WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY EXACT CEILING CONSTRUCTION WITH ARCHITECTURAL REFLECTED CEILING PLAN AND PROVIDE LIGHTING FIXTURES WITH ALL NECESSARY MOUNTING HARDWARE.
- ALL RECESSED FIXTURES SHALL BE PROVIDED WITH ALL REQUIRED STRUCTURAL SUPPORTS AS REQUIRED BY THE CURRENTLY ADOPTED ISSUE OF THE IBC, OR CBC WHERE ADOPTED, IN ADDITION TO ANY LOCAL CODES.
- ALL DIMMING BRANCH CIRCUITS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR FOR EACH ZONE/CHANNEL.
- ALL EMERGENCY BATTERY PACK FIXTURES SHALL BE PROVIDED WITH A CONSTANT HOT CONNECTION TO THE CHARGING LEAD.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXIT SIGN CHEVRONS AND NUMBER OF FACES PER EXIT SIGN. ANY DISCREPANCIES BETWEEN EXIT SIGNS SHOWN ON THE ELECTRICAL AND ARCHITECTURAL PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO ORDERING EXIT SIGNS.
- PROVIDE ADDITIONAL J-BOX NEAR PANEL FOR MULTIPLE HOMERUN CIRCUITRY.



NOT FOR CONSTRUCTION

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KEY NOTES

- LOCATION OF SWITCH BANK
- RUN LIGHTING CIRCUIT VIA SWITCH, PROVIDE ADDITIONAL HOT WIRE FOR EXIT SIGN AND EMERGENCY LIGHTS.
- PROVIDE OCCUPANCY SENSOR FOR FULLY SHUT OFF. PROVIDE ADEQUATE SENSOR DEVICES SENSING ENTIRE ENCLOSED SPACE WHERE THE SYMBOL LOCATED.
- LIGHTING INSIDE THE COOLER/FREEZER SHALL BE PROVIDED BY THE COOLER/FREEZER MANUFACTURER. FINAL CONNECTION BY E.C. SEE POWER PLAN FOR BRANCH CIRCUIT
- PROVIDE AN EYS FITTING FOR CONDUITS THAT ENTER AND EXIT FREEZERS AND COOLER. OBTAIN APPROVAL FROM INSPECTOR PRIOR TO INSTALLING SEALANT.
- CONNECT EXHAUST FAN TO LIGHT FIXTURE. (INTERLOCKED TO THE LIGHT CONTROL SWITCH).

REVISIONS

No.	DATE	DESCRIPTION
1	09-22-21	PCC #1, CLIENT AND LANDLORD REVISIONS

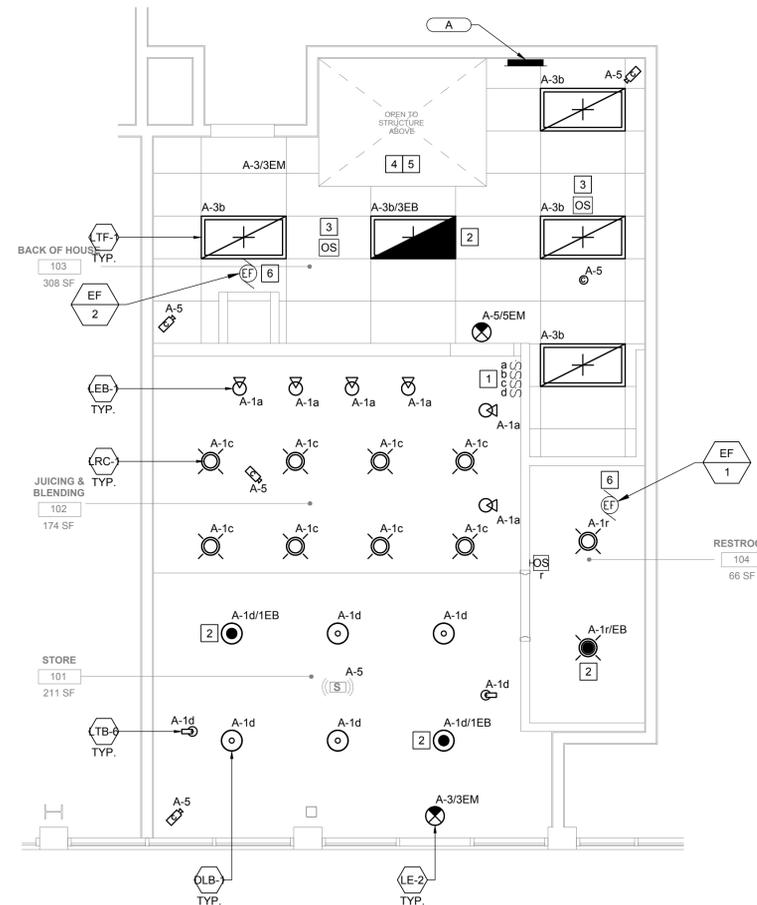
CLIENT INFORMATION



PROJECT NAME  
**NEKTER - LEE'S SUMMIT, MO**  
 940 NW PRYOR ROAD, UNIT: G,  
 LEE'S SUMMIT, MISSOURI 64081  
 SHEET NAME  
**LIGHTING PLAN**

DRAWN	CHECKED
JB	WR
DATE	09/22/21
SCALE	AS NOTED
PROJECT NUMBER	
SHEET	

**E201**



LIGHTING PLAN



Scale: 1/4" = 1'-0" 1

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**POWER PLAN GENERAL NOTES**

- ALL RECEPTACLES ON COMMON WALLS SHALL BE SEPARATE BOXES AND OFFSET 24" MINIMUM.
- MULTI-WIRED (SHARED NEUTRAL) BRANCH CIRCUITS SHALL NOT BE INSTALLED. ALL 120 & 277 VOLT BRANCH CIRCUITS SHALL HAVE A DEDICATED INDIVIDUAL NEUTRAL CONDUCTOR.
- PROVIDE G.F.C.I. TYPE RECEPTACLE(S) OR RECEPTACLE(S) PROTECTED BY GFCI CIRCUIT BREAKER(S) WHEN LOCATED WITHIN 6 FEET OF ANY SINK OR THERAPEUTIC TUB, SERVING ANY DRINKING FOUNTAIN OR VENDING MACHINE, WITHIN ANY KITCHEN SPACE AND/OR LOCATED OUTDOORS. WHERE RECEPTACLES ARE NOT READILY ACCESSIBLE, PROVIDE GFCI CIRCUIT BREAKER(S) TO PROTECT THE RESPECTIVE BRANCH CIRCUIT AND PROVIDE ADDITIONAL NEUTRAL CONDUCTORS IN THE BRANCH CIRCUITING AS REQUIRED TO ENSURE PROPER GFCI FUNCTION.
- ALL 15- AND 20- AMPERE, 125- AND 250-VOLT NONLOCKING TYPE RECEPTACLES THROUGHOUT BUILDING SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES, NO EXCEPTIONS.
- ALL RECEPTACLES IDENTIFIED AS WEATHERPROOF ON THE DRAWINGS SHALL BE WEATHER-RESISTANT, TAMPER-RESISTANT, GFCI TYPE AND EQUIPPED WITH ENCLOSURE THAT IS WEATHERPROOF (WP) WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED (WHILE "IN-USE"), AN OUTLET BOX HOOD SHALL BE LISTED AND SHALL BE IDENTIFIED AS "EXTRA DUTY".

**POWER PLAN KEYNOTES**

- PROVIDE RECEPTACLES MOUNTED WITHIN MILLWORK FOR EQUIPMENT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH GC PRIOR TO BID AND ROUGH-IN.
- RECEPTACLE FOR SHOW WINDOW AS REQUIRED BY CODE. VERIFY WITH LOCAL AGENCY. CONNECT TO CIRCUIT NOTED.
- PROVIDE 120V POWER FOR WALK-IN COOLER LIGHTS AND DOOR HEATER. CONTRACTOR SHALL INSTALL, WIRE AND PROVIDE LAMPS FOR WALK-IN COOLER LIGHTS.
- MAKE PENETRATIONS IN WALK-IN COOLER W/ CONDUIT SEALING FITTINGS & NIPPLE TO CAST FIXTURE J-BOX. CIRCULATION OF AIR FROM WARMER TO COLDER SECTIONS OF INTERIOR RACEWAY SYSTEM EXPOSED TO WIDELY DIFFERENT TEMPERATURES SHALL HAVE JOINTS FOR CONDUIT AS REQUIRED TO COMPENSATE FOR THERMAL EXPANSION AND CONTRACTION. PROVIDE SEALING COMPOUND AFTER WIRING IS FINISHED.
- REQUIREMENTS FOR WALK-IN COOLER:
  - A. PROVIDE WIRING TO EVAPORATOR
  - B. PROVIDE CONTROL WIRING BETWEEN CONDENSER & EVAPORATOR IF REQUIRED BY INSTALLATION INSTRUCTION
  - C. INSTALL FREEZER & COOLER LIGHT FIXTURES THAT ARE SHIPPED LOOSE.
  - D. PROVIDE POWER AND CONTROL WIRING FOR FREEZER CONDENSER AND HEAT TAPE DIRECTLY FROM FREEZER CONDENSER.
  - E. VAPOR SEAL ALL CONDUIT PENETRATIONS. PENETRATIONS MUST BE PROPERLY SEALED AGAINST COLD LOST AND INFILTRATION TO PREVENT CONDENSATION AND ICE FORMATION. SILICONE CAULKING IS THE RECOMMENDED SEALANT AROUND PENETRATED ITEMS.
- PROVIDE ASTRONOMICAL TIMECLOCKS, MOUNTED AT 44" AFF, COORDINATE LOCATION WITH LANDLORD.
- PROVIDE 24"x24"x3/4" FIRE RATED PLYWOOD BACKBOARD WITH QUAD RECEPTACLE ELECTRICAL CONTRACTOR TO PROVIDE TELEPHONE CONDUIT FROM LANDLORD'S DEMARK, CONTRACTOR TO VERIFY DEMARK LOCATION PRIOR TO BID. PROVIDE FIRE RATED LABEL AND DO NOT PAINT BACKBOARD.
- PROVIDE WEATHERPROOF J-BOX AND MANUAL DISCONNECT SWITCH FOR CONNECTION TO BUILDING EXTERIOR SIGN(S), SIGN CONTROLLED BY ASTRONOMICAL PROGRAMMABLE TIME CLOCK. COORDINATE WITH LANDLORD REQUIREMENTS AND SIGNAGE VENDOR.
- PROVIDE A 60AS/50AF/3P DISCONNECT SWITCH ON WALL FOR WALK-IN COOLER CONDENSING UNIT.
- PROVIDE DUPLEX/USB OUTLETS IN MILLWORK 22" AFF AS SHOWN. COORDINATE INSTALLATION WITH MILLWORK DRAWINGS.
- PROVIDE DUPLEX/USB OUTLETS IN MILLWORK 44" AFF AS SHOWN. COORDINATE INSTALLATION WITH MILLWORK DRAWINGS.
- SNUG UNDER COUNTERTOP SEE MILLWORK ELEVATIONS
- POWER @+18" AFF
- POWER @+30" AFF
- POWER @+42" AFF
- DATA/POWER @+65" AFF
- CONTRACTOR TO RE-ROUTE EXISTING CONNECTION UNIT TO NEW PANEL.



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**REVISIONS**

No.	DATE	DESCRIPTION
1	09-22-21	PCC #1, CLIENT AND LANDLORD REVISIONS

**CLIENT INFORMATION**

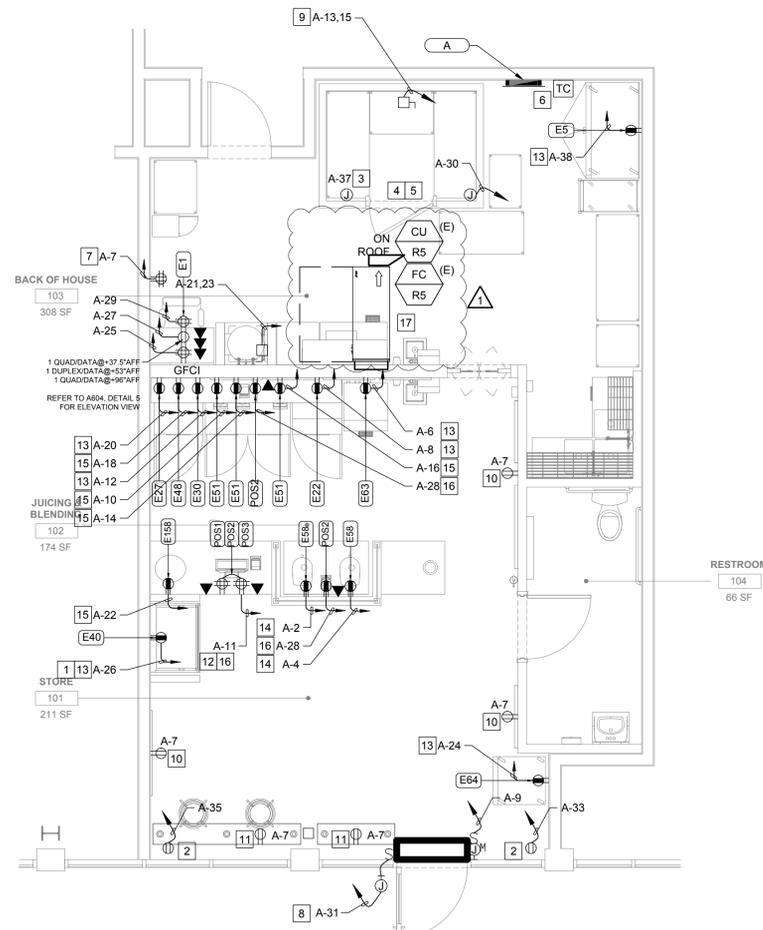


**NEKTER - LEE'S SUMMIT, MO**  
 940 NW PRYOR ROAD, UNIT: G,  
 LEE'S SUMMIT, MISSOURI 64081

PROJECT NAME  
 SHEET NAME  
**POWER PLAN**

DATE	SCALE	PROJECT NUMBER	SHEET
09/22/21	AS NOTED		

**E301**



**POWER PLAN**

Scale: 1/4" = 1'-0" 1

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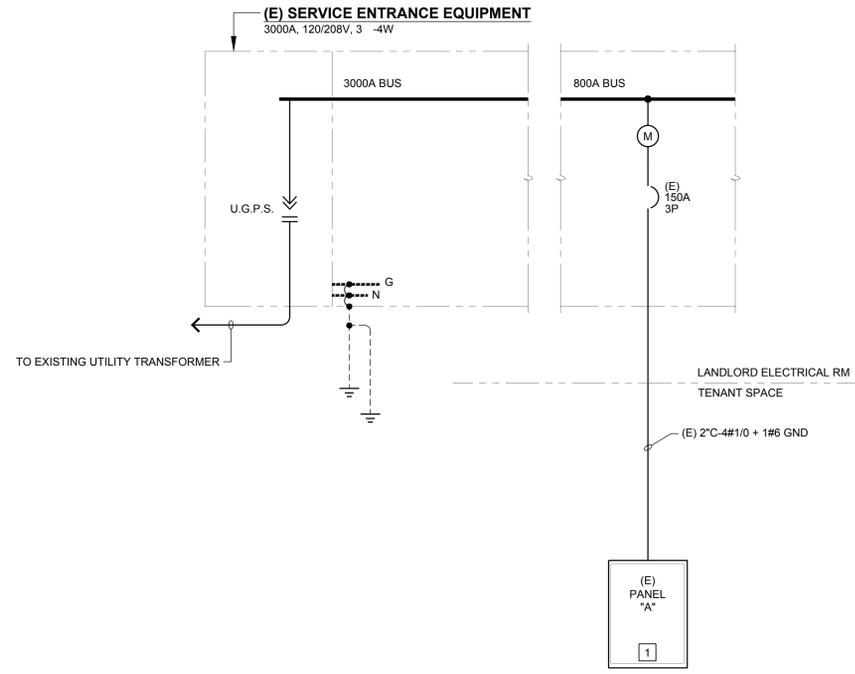
CLIENT INFORMATION



PROJECT NAME  
**NEKTER - LEE'S SUMMIT, MO**  
 940 NW PRYOR ROAD, UNIT: G,  
 LEE'S SUMMIT, MISSOURI 64081  
 SHEET NAME  
**SINGLE LINE DIAGRAM**

DRAWN	CHECKED	WR
DATE	09/22/21	
SCALE	AS NOTED	
PROJECT NUMBER		
SHEET		

**E401**



**REFERENCE NOTES**

1 EXISTING PANEL WITH REVISED LOADS. REFER TO PANEL SCHEDULE THIS SHEET. ALL NEW CIRCUIT BREAKERS INSTALLED WITHIN PANELBOARD SHALL MATCH THE HIGHEST EXISTING AIC RATED BREAKERS WITHIN PANELBOARD. INSPECTOR TO VERIFY AT SITE.

**1 PARTIAL SINGLE LINE DIAGRAM**  
 SCALE: NONE

MFR:		PANEL: "A"						*PANEL IS EXISTING							
MOUNTING: <u>RECESSED</u>		DOUBLE LUG: <u>NO</u>		VOLTS: <u>208Y/120V</u>		PROVISIONS FOR SUB-METER: <u>YES</u>		MAIN: <u>MLO</u>		BUS: <u>225A</u>		A.I.C.: <u>18,000</u>			
NEMA 3R: <u>NO</u>		200%: <u>NO</u>		PHASES: <u>3</u>		DISAGGREGATION TYPE: <u>NO</u>									
FEED THRU: <u>NO</u>		I/G BUS: <u>NO</u>		WIRE: <u>4</u>											
LOAD DESCRIPTION	TRIP AMPS	POLES	A	B	C	A	B	C	POLES	TRIP AMPS	DESCRIPTION	CIRCUIT	NOTES		
L 1 BOHSTORE LTG	20A	1	485			1300			1	20A	E58 MULTI JUICER	2	K		
L 3 FOH HALLWAY /RR	20A	1		507			1300		1	20A	E58 MULTI JUICER	4	K		
R 5 LOW VOLTAGE EQUIPMENT	20A	1			500			1309	1	20A	E63 ICE MAKER	6	K		
R 7 CONVENIENCE REC.	20A	1	500			564			1	20A	E22 FOOD REFRIGERATED PREP TABLE	8	K 3		
M 9 E136 AIR CURTAIN	20A	1		276			1560		1	20A	E51 BLENDER #1	10	K		
R 11 POS 1/POS2/POS3	20A	1			600			368	1	20A	E30 WORKTOP FREEZER	12	K 3		
K 13 E79 WALK-IN COOLER	20A	2	345			1560			1	20A	E51 BLENDER #2	14	K		
K 15				345			1560		1	20A	E51 BLENDER #3	16	K		
M 17 (E) FC-R5	15A	2		676			400		1	20A	E48 DIPPER WELL SQUARE	18	K		
M 19			676			230			1	20A	E27 FOOD REFRIGERATED	20	K 3		
N 21 WH-1	30A	2		1498			1300		1	20A	E158 OATMEAL WARMER	22	K		
N 23				1498			1285		1	20A	E64 REACH-IN REFRIGERATOR	24	K 3		
R 25 WORKSTATION (COMPUTER MONITOR)	20A	1	360			1725			1	20A	E40 REFRIDGE SELF SERVICE	26	K 3		
R 27 WORKSTATION (SECURITY MONITOR)	20A	1		360			300		1	20A	POS 2 (PRINTER)	28	K		
R 29 WORKSTATION (POS & COMPUTER)	20A	1			600			1020	1	20A	HEAT TRACE COOLER	30	R		
L 31 SIGNAGE	20A	1	1200			3411			2	50A	(E) CL-R5	32	M		
R 33 WINDOW REC.	20A	1		500			3411					34	M		
R 35 WINDOW REC.	20A	1			500				1	20A	SPARE	36			
L 37 WALK-IN COOLER LTG	20A	1	300			1104			1	20A	E5 REACH-IN SOLID SWING DOOR FREEZER	38	K		
39 SPACE											SPACE	40			
41 SPACE											SPACE	42			
TOTAL LOAD DEMAND:			0A	11669	7566	59% PERCENT BALANCE									
TOTAL DEMAND AMPS:			12719	108 A	97 A										
LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL LOADS											
CONTINUOUS LOAD = C	0	125%	0	TOTAL CONN. LOAD (VA):	35413										
KITCHEN EQUIPMENT LOAD = K	16535	65%	10748	TOTAL EST. DEMAND (VA):	31954										
LIGHTING LOAD = L	2492	125%	3115	TOTAL CONN. (AMPS):	98										
MOTOR LOAD = M	8450	100%	10156	TOTAL EST. DEMAND (AMPS):	89										
NON-CONTINUOUS LOAD = N	2996	100%	2996												
PANEL LOAD = P	0	100%	0												
RECEPTACLE LOAD = R	4940	100%	4940												

- PANEL SCHEDULE NOTES:**
- 1) PROVIDE LOCK-ON DEVICE.
  - 2) PROVIDE LOCK-OFF DEVICE.
  - 3) PROVIDE GFCI TYPE DEVICE.
  - 4) PROVIDE A NEW BREAKER AT SAME TYPE AND AIC RATING IN PANEL.
  - 5) PROVIDE "HACR" TYPE CIRCUIT BREAKER FOR HVAC EQUIPMENT.

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**COMcheck Software Version 4.1.5.1**  
**Interior Lighting Compliance Certificate**

**Project Information**  
 Energy Code: 2015 IECC  
 Project Title: Tekter  
 Project Type: New Construction

Construction Site: 940 NW Pryor Road, Retail Space 5, Lees Summit, MO 64081  
 Owner/Agent:  
 Designer/Contractor: Kinetic Design, 1260 Corona Point Court, Corona, CA 92879, (951) 710-6334, info@kineticdesign.build

Unspecified

**Allowed Interior Lighting Power**

A Area Category	B Floor Area (ft <sup>2</sup> )	C Allowed Watts / ft <sup>2</sup>	D Allowed Watts (B X C)
1-Nekter (Common Space Types:Sales Area)	800	1.59	1272
Total Allowed Watts =			1272

**Proposed Interior Lighting Power**

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-Nekter (Common Space Types:Sales Area)				
LED 1: LTF-1: 2'X4' TROFFER: Other:	1	5	39	195
LED 2: LRC-1: DOWN LIGHT: Other:	1	10	25	250
LED 3: LEB-1: DOWNLIGHT ADJUSTABLE: Other:	1	6	14	84
LED 4: DLB-1: Pendant: Other:	1	6	12	72
LED 5: LTB-6: Monopoint: Other:	1	2	20	40
Total Proposed Watts =				641

**Interior Lighting PASSES: Design 50% better than code**

**Interior Lighting Compliance Statement**  
 Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.1 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Wenceslao Raymundo  
 Name - Title \_\_\_\_\_ Signature \_\_\_\_\_ Date 07-30-2021

Project Title: Tekter Report date: 07/30/21  
 Data filename: \\10.6.0.15\KineticDesign\Nekter\Nekter Juice Bar - Lee's Summit, MO\02\_Drawings\03\_Electrical\Comcheck\Nekter.cck Page 1 of 5

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] <sup>1</sup>	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1 [EL18] <sup>1</sup>	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.1, C405.2.2, C405.2.2.3 [EL23] <sup>1</sup>	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.2.1 [EL22] <sup>1</sup>	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3 [EL16] <sup>1</sup>	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.1, C405.2.3.2 [EL20] <sup>1</sup>	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.3.1, C405.2.3.3 [EL21] <sup>1</sup>	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL4] <sup>1</sup>	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.2.4 [EL8] <sup>1</sup>	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.3 [EL6] <sup>1</sup>	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Tekter Report date: 07/30/21  
 Data filename: \\10.6.0.15\KineticDesign\Nekter\Nekter Juice Bar - Lee's Summit, MO\02\_Drawings\03\_Electrical\Comcheck\Nekter.cck Page 3 of 5

Project Title: Tekter Report date: 07/30/21  
 Data filename: \\10.6.0.15\KineticDesign\Nekter\Nekter Juice Bar - Lee's Summit, MO\02\_Drawings\03\_Electrical\Comcheck\Nekter.cck Page 5 of 5



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**REVISIONS**

No.	DATE	DESCRIPTION
1	09-22-21	PCC #1, CLIENT AND LANDLORD REVISIONS

CLIENT INFORMATION



PROJECT NAME  
**NEKTER - LEE'S SUMMIT, MO**  
 940 NW PRYOR ROAD, UNIT: G,  
 LEE'S SUMMIT, MISSOURI 64081

SHEET NAME  
**INTERIOR LIGHTING COMPLIANCE CERTIFICATE**

DRAWN	CHECKED
JB	WR
DATE	09/22/21
SCALE	AS NOTED
PROJECT NUMBER	
SHEET	

**E501**

**COMcheck Software Version 4.1.5.1**  
**Inspection Checklist**  
 Energy Code: 2015 IECC

Requirements: 0.0% were addressed directly in the COMcheck software  
 Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] <sup>1</sup>	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Tekter Report date: 07/30/21  
 Data filename: \\10.6.0.15\KineticDesign\Nekter\Nekter Juice Bar - Lee's Summit, MO\02\_Drawings\03\_Electrical\Comcheck\Nekter.cck Page 2 of 5

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [F17] <sup>3</sup>	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.4.1 [F18] <sup>1</sup>	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C408.2.5.1 [F16] <sup>1</sup>	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C408.3 [F13] <sup>1</sup>	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

**Additional Comments/Assumptions:**

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: Tekter Report date: 07/30/21  
 Data filename: \\10.6.0.15\KineticDesign\Nekter\Nekter Juice Bar - Lee's Summit, MO\02\_Drawings\03\_Electrical\Comcheck\Nekter.cck Page 4 of 5

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