Please Note : this is a complimentary working sample including the source files, for further details or inquiries, feel free to reach out to us at david@pontisconstruction.com

PROJECT NAME : SPRINKLES BAKERY STORE

DETAILED - MARKUPS

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GENERAL NOTES:

1. THE ELECTRICAL WORK SHALL INCLUDE FURNISHING ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, INSURANCE AND PERFORM OPERATIONS REQUIRED TO CONSTRUCT AND INSTALL COMPLETE AND OPERATIVE ELECTRICAL SYSTEM IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS.
2. ALL MATERIAL FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE LATEST ACTIVE OR ADOPTED EDITIONS OF THE NATIONAL ELECTRIC CODE, STATE OR LOCAL ELECTRICAL CODES, AND THE REQUIREMENTS OF THE UTILITY COMPANIES. WHERE CONFLICTS OCCUR, THE MORE STRINGENT OR THE CODE ENFORCED BY THE AUTHORITY HAVING JURISDICTION SHALL APPLY.
3. WORK INTENDED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED OR NOT SHOWN SHALL BE FURNISHED AND INSTALLED COMPLETE TO PERFORM REQUIRED FUNCTION.
4. ELECTRICAL PLANS ARE DIAGRAMATICAL. DO NOT SCALE. COORDINATE ACTUAL LOCATIONS OF ALL DEVICES AND ROUTING OF ALL RACEWAYS WITH ARCHITECT AND ALL TRADES PRIOR TO ANY ROUGH-IN.
5. ALL MATERIALS SHALL BE NEW AND IN GOOD CONDITION. THE MATERIAL SHALL BE THE PRODUCT OF SUBSTANTIALLY ESTABLISHED AND RECOGNIZED MANUFACTURER'S
6. THIS CONTRACTOR SHALL COORDINATE HIS WORK SO THAT IT DOES NOT INTERFERE WITH THE WORK OF ALL OTHER TRADES. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO SEE THAT THIS WORK IS INSTALLED IN A TIMELY MANNER. PLAN AND INSTALL ALL ELECTRICAL WORK IN SUCH A MANNER AS TO PREVENT OBSTRUCTIONS, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR. CONSULT ALL CONTRACT DRAWINGS FOR CONDITIONS AFFECTING THIS WORK AND VERIFY SPACES IN WHICH WORK WILL BE INSTALLED. NOTIFY ARCHITECT IMMEDIATELY OF POSSIBLE CONFLICTS. WHERE INTERFERENCE WITH STRUCTURAL, MECHANICAL OR OTHER FEATURES EXIST, OR WHERE JOB CONDITIONS REQUIRE REASONABLE CHANGES IN LOCATIONS AND ARRANGEMENT OF INDICATED EQUIPMENT, CONDUIT, OUTLETS OR WIRING, CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT EXTRA COST TO OWNER OR ARCHITECT.
7. THIS CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS AND VISIT THE SITE PRIOR TO SUBMITTING HIS BID. HE SHALL INCLUDE ALL WORK IN HIS BID DISCERNIBLE FROM REVIEW OF DOCUMENTS AND SITE VISIT. NO SUBSEQUENT ALLOWANCES WILL BE MADE FOR LACK OF REASONABLE REVIEW OF DOCUMENTS AND SITE VISIT.
8. THIS CONTRACTOR SHALL SUBMIT FOR APPROVAL ONE (1) SET OF COMPLETE PDF'S OF SHOP DRAWINGS ON THE FOLLOWING: PANELBOARDS, DISCONNECT SWITCHES, LIGHTING FIXTURES, LAMPS, DEVICES AND COVERPLATES, FIRE ALARM EQUIPMENT AND ANY OTHER ITEMS REQUESTED BY THE ARCHITECT.
9. THIS CONTRACTOR SHALL LEAVE EACH ENTIRE ELECTRICAL SYSTEM IN PROPER WORKING ORDER AND SHALL REPLACE ANY WORK OR MATERIAL PROVIDED BY HIM UNDER THIS CONTRACT WHICH DEVELOPS DEFECTS WITHIN (1) YEAR OF FINAL ACCEPTANCE BY OWNER.
10. THIS CONTRACTOR SHALL PROVIDE, MAINTAIN AND REMOVE AFTER CONSTRUCTION IS COMPLETE, AND ADEQUATE TEMPORARY POWER AND LIGHTING SYSTEM.
11. PANELBOARDS SHALL BE OF THE SAME MANUFACTURER, (SQUARE 'D', CUTLER-HAMMER, GE OR ITE/SEIMENS). PROVIDE SCREW-ON ENGRAVED NAMEPLATES FOR ALL DISTRIBUTION EQUIPMENT.
12. THIS CONTRACTOR SHALL PROVIDE NEW, TYPED, PANELBOARD DIRECTORIES FOR ALL NEW AND/OR EXISTING PANELS WITHIN THE SCOPE OF THIS PROJECT. THE DIRECTORIES SHALL INDICATE THE LOAD TYPE AND AREA SERVED. PROVIDE ALL FIELD VERIFICATION WORK AS NECESSARY.
13. LIGHTING FIXTURES SHALL BE FURNISHED COMPLETE WITH LAMPS, HANGERS AND INCIDENTALS. FIXTURES SHALL BE INDEPENDENTLY SUPPORTED FROM THE STRUCTURE ABOVE. ALL LIGHTING FIXTURES, LAMPS AND LENSES SHALL BE THOROUGHLY CLEANED PRIOR TO FINAL ACCEPTANCE.
14. WIRING DEVICES SHALL BE SPECIFICATION GRADE WITH HIGH IMPACT NYLON COVERPLATES. COLOR OF DEVICES AND COVERPLATES AS DIRECTED BY THE ARCHITECT. ACCEPTABLE MANUFACTURER'S ARE HUBBELL, P&S, GENERAL ELECTRIC AND COOPER INDUSTRIES.
15. WIRE SHALL BE 'THHN' OR 'XHHW' COPPER, 90°C, 600 VOLTS. SOLID SIZE 10 AND SMALLER, STRANDED SIZE 8 AND LARGER. ALL FEEDERS AND BRANCH CIRCUITS SHALL HAVE A GREEN CODE SIZE EQUIPMENT GROUND. MINIMUM SIZE WIRE #12 AWG. UNLESS OTHERWISE NOTED.
16. ALL INTERIOR WIRING SHALL BE IN EMT WITH STEEL, SET SCREW FITTINGS. EMT SHALL BE USED IN ALL BLOCK (CMU) WALLS. TYPE MC (METAL-CLAD) CABLE MAY BE USED ON THIS PROJECT SUBJECT TO MEETING ALL OF THE FOLLOWING CONDITIONS:
    A. THE LOCAL AUTHORITIES HAVING JURISDICTION MUST ALLOW THE USE OF MC CABLE.
    B. THE ARCHITECT AND OWNER MUST APPROVE OF THE USE OF MC CABLE.
    C. THE CABLE STRUCTURE AND INSTALLATION ARE IN ACCORDANCE WITH UL, NEC AND LOCAL CODE REQUIREMENTS.
    D. THE MC CABLE CONDUCTOR SIZE MEETS THE REQUIREMENTS OF THE CONSTRUCTION DRAWINGS AND NEC. THE MINIMUM WIRE SIZE SHALL BE #12 AWG., THHN OR THWN.
    E. THE MC CABLE MUST CONTAIN AN NEC SIZED GREEN GROUND CONDUCTOR FOR ALL CIRCUITS.
    F. RECORD DRAWINGS (AS-BUILT DRAWINGS) SHALL REFLECT THE USE AND ROUTING LOCATIONS OF THE MC CABLE.
17. THIS CONTRACTOR SHALL COORDINATE AN MAKE FINAL CONNECTIONS FOR MECHANICAL EQUIPMENT. SIZE ALL FUSES/CIRCUIT BREAKERS PROTECTING MECHANICAL EQUIPMENT PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
18. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL WIRING, RACEWAYS, OUTLET AND JUNCTION BOXES, MOTOR STARTERS, DISCONNECT AND CONTROLS FOR EQUIPMENT FURNISHED UNDER OTHER SECTIONS, UNLESS NOTED OTHERWISE. VERIFY EQUIPMENT REQUIREMENTS WITH EQUIPMENT MANUFACTURER PRIOR TO BID.
19. THIS CONTRACTOR SHALL NOT INTERRUPT OR REMOVE ANY EXISTING CIRCUITS OR EQUIPMENT UNLESS NOTED OTHERWISE ON PLANS. ANY DAMAGED OR DISRUPTED CIRCUITS OR EQUIPMENT SHALL BE RESTORED TO LIKE NEW CONDITION AT NO ADDITIONAL COST TO OWNER OR ARCHITECT.
20. ALL PENETRATIONS OF FIRE-RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION THAT CONFORM TO UNDERWRITER'S LABORATORIES LISTINGS FOR 'THROUGH-PENETRATION FIRE STOP SYSTEMS.' THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER OF THE FIRE STOP MATERIAL, WHICH SHOW COMPLETE CONFORMANCE WITH THE UL. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATIONS, WITH ALL VARIABLES DEFINED.
21. THE FINAL DETERMINATION OF EXIT LIGHTING LOCATIONS AND EGRESS PATHWAYS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT. THE CONTRACTOR SHALL CONFIRM AND VERIFY THE LOCATIONS OF ALL EXIT AND EMERGENCY LIGHTING WITH THE ARCHITECT PRIOR TO ANY INSTALLATION.
22. THE ELECTRICAL CONTRACTOR SHALL COORDINATE SYSTEM FURNITURE JUNCTION BOX LOCATIONS WITH THE SUPPLIER AND MAKE ALL FINAL FLEXIBLE CONNECTIONS TO SAME.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ATS	AUTOMATIC TRANSFER SWITCH
EDF	ELECTRIC DRINKING FOUNTAIN
EF	EXHAUST FAN
GFI	GROUND FAULT INTERRUPTER
GRD	GROUNDING/BONDING CONDUCTOR
MCC	MOTOR CONTROL CENTER
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
PNL	PANEL
SES	SERVICE ENTRANCE SECTION
SWBD	SWITCHBOARD
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF
A/C	AIR CONDITIONING UNIT
E/C	EVAPORATIVE COOLER
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS

DEVICE MTG. HEIGHTS

ALL HEIGHTS ARE ABOVE FINISHED FLOOR AND TO THE CENTERLINE OF THE DEVICE U.N.O.

RECEPTACLES	+18"
TELEPHONE OUTLETS	+18"
DATA OUTLETS	+18"

ABOVE COUNTER RECEPTACLES, TELEPHONE AND DATA OUTLETS VERIFY WITH ARCHITECT PRIOR TO ROUGH IN.

SWITCHES	+48"
DIMMERS	+48"
OTHER CONTROLS	+48"
TIME SWITCHES	+48"
RECEPTACLE(S) LOCATED AT TMB	+48"
FA MANUAL PULL STATION	+48"
FA VISUAL DEVICES	+80"
FA AUDIO DEVICES	+80"

PANELBOARD SYMBOLS SCHEDULE

- INDICATES EXISTING LOAD AND BREAKER TO REMAIN, NO REVISION. EXISTING LOADS MAY HAVE BEEN ESTIMATED.
- INDICATES CIRCUIT BREAKER TO BE SUITABLE AND U.L. LISTED FOR "SWITCHING DUTY"
- INDICATES NEW LOAD HAS BEEN ADDED TO EXISTING BREAKER.
- INDICATES EXISTING LOAD HAS BEEN REMOVED, BREAKER TO BECOME SPARE.
- INDICATES NEW LOAD AND NEW BREAKER ADDED TO EXISTING BUSSED SPACE.
- INDICATES EXISTING LOAD AND BREAKER HAS BEEN REMOVED AND REPLACED WITH NEW BREAKER AND NEW LOAD.
- INDICATES PROVIDE LOCK-CLOSED DEVICE ON THE BREAKER.
- INDICATES PROVIDE LOCK-OPEN DEVICE ON THE BREAKER.
- INDICATES ISOLATED GROUNDED CIRCUIT.
- INDICATES CIRCUIT THRU LIGHTING CONTACTOR. SEE WIRING DIAGRAM.
- INDICATES CIRCUIT THRU PHOTO ELECTRIC CELL. PROVIDE 20A. PHOTO CELL AS REQUIRED.
- INDICATES CIRCUIT THRU TIME CLOCK. PROVIDE A TIME CLOCK AS REQUIRED.
- N INDICATES NON-CONTINUOUS LOAD @ 100%
- C INDICATES CONTINUOUS LOAD @ 125%
- M INDICATES MOTOR LOAD @ 100%
- LM INDICATES LARGEST MOTOR LOAD @ 125%
- SR INDICATES SPARE CIRCUIT BREAKER
- SP INDICATES BUSSED SPACE
- GF INDICATES GFCI CIRCUIT BREAKER

ELECTRICAL SYMBOLS

NOTE: SOME SYMBOLS IN THIS LIST MAY NOT BE USED FOR THIS PROJECT.

- CEILING MOUNTED LIGHT FIXTURE. LOWER CASE LETTER, IF USED, INDICATES SWITCHING. L# DESIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- WALL MOUNTED LIGHT FIXTURE. LOWER CASE LETTER, IF USED, INDICATES SWITCHING. L# DESIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- WALL WASHER LIGHT FIXTURE. ARROW INDICATES GENERAL DIRECTION OF WASH. LOWER CASE LETTER, IF USED, INDICATES SWITCHING. L# DESIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- FLUORESCENT LIGHT FIXTURE. LOWER CASE LETTER, IF USED, INDICATES SWITCHING. L# DESIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- TRACK LIGHTING SYSTEM. TRIANGLES DENOTE TRACK LIGHT FIXTURES. LOWER CASE LETTER, IF USED, INDICATES SWITCHING. L# DESIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- POLE MOUNTED LIGHT FIXTURE. L# DESIGNATES TYPE. MULTIPLE LUMINARIES AS SHOWN ON PLANS. SEE LIGHT FIXTURE SCHEDULE FOR DETAIL. SEE POLE MOUNTING DETAIL FOR POLE INFORMATION.
- SPOT OR FLOOD LIGHT. L# DESIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- FLUORESCENT LIGHT FIXTURE WITH (2) LAMPS SERVED BY A FULL LIGHT OUTPUT EMERGENCY BALLAST. "NL" INDICATES FIXTURE SHALL BE CONNECTED TO UNSWITCHED CIRCUIT. LOWER CASE LETTER, IF USED, INDICATES SWITCHING. L# DISIGNATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR DETAILS.
- EXIT LIGHT FIXTURE. MOUNTING NOT SHOWN ON DRAWINGS. SHADED PORTION INDICATES FACE OF SIGN. PROVIDE ARROWS ON FACE(S) OF FIXTURE AS SHOWN ON PLANS. SEE FIXTURE SCHEDULE FOR DETAILS.
- JUNCTION BOX IN ACCESSIBLE LOCATION.
- FLEXIBLE CONDUIT EQUIPMENT CONNECTION. PROVIDE GROUND BUSHING AND GROUND CONDUCTOR IN ACCORDANCE WITH THE NEC. PROVIDE WEATHERPROOF FLEXIBLE CONDUIT FOR EQUIPMENT LOCATED OUTSIDE.
- $ TOGGLE SWITCH. MOUNT AT 48" ABOVE FINISHED FLOOR U.N.O. 20 A. 120 V. OR 277 V. AS REQUIRED.
- $2 TWO POLE TOGGLE SWITCH. MOUNT AT 48" ABOVE FINISHED FLOOR U.N.O. 20 A. 120 V. OR 277 V. AS REQUIRED.
- $3 THREE WAY TOGGLE SWITCH. MOUNT AT 48" ABOVE FINISHED FLOOR U.N.O. 20 A. 120 V. OR 277 V. AS REQUIRED.
- $4 FOUR WAY TOGGLE SWITCH. MOUNT AT 48" ABOVE FINISHED FLOOR U.N.O.
- $T MOTOR RATED SWITCH, VOLTAGE AND PHASE RATED WITH THERMAL OVERLOAD PROTECTION. NEMA 3R WHEN LOCATED OUTSIDE.
- TIMECLOCK. 3-POLE SINGLE THROUGH, 24-HR ASTRONOMIC DIAL WITH DAY OMITTING DEVICE, RESERVE POWER, AND NEMA 1 ENCLOSURE FOR INDOORS - NEMA 3R ENCLOSURE WHEN LOCATED OUTSIDE. EQUAL TO TORK #7300-ZL U.N.O.
- PHOTOCELL SWITCH. MOUNT ABOVE ROOF AND AIM NORTH. EQUAL TO TORK #2100.
- DIMMER SWITCH. MOUNT AT 48" ABOVE FINISHED FLOOR U.N.O. SUPERSCRIPT NUMBER INDICATES: 1=1000 WATTS, 2=2000 WATTS, NONE =600 WATTS. DO NOT REMOVE COOLING FINS.
- DUPLEX RECEPTACLE. MOUNT AT 18" ABOVE FINISHED FLOOR U.N.O.
- DUPLEX RECEPTACLE. MOUNT 6" ABOVE SPLASH OF COUNTER TOP. VERIFY EXACT DIMENSIONS WITH ARCHITECT.
- SWITCH RATED DUPLEX RECEPTACLE. TIE STRAP REMOVED FOR "CONSTANT" AND SWITCHED LEG CONTROL WIRING.
- CEILING MOUNTED DUPLEX RECEPTACLE
- QUAD RECEPTACLE. TWO DUPLEX RECEPTACLES WITH ONE DEVICE PLATE. MOUNT AT 18" ABOVE FINISHED FLOOR U.N.O.
- QUAD RECEPTACLE. TWO DUPLEX RECEPTACLES WITH ONE DEVICE PLATE. MOUNT AT 6" ABOVE SPLASH OF COUNTER TOP. VERIFY EXACT DIMENSIONS WITH ARCHITECT.
- CIRCUIT BREAKER. AMPERAGE/POLES, AS INDICATED.
- SWITCH WITH FUSES. AMPERAGE/POLES, AND FUSE SIZE AND TYPE AS INDICATED.
- FUSED PULL-OUT SWITCH. AMPERAGE/POLES, AND FUSE SIZE AND TYPE AS INDICATED.
- FUSE. SIZE AND TYPE AS INDICATED. ALL FUSE TYPES NOTED ARE BUSMAN DESIGNATIONS U.N.O.
- TRANSFORMER. DRY TYPE, PAD MOUNT, WITH KVA, PRI. & SEC. VOLTAGE, MIN. IMPEDANCE, AND "K" RATING AS NOTED. 150°C RISE U.N.O. PROVIDE SEPARATELY DERIVED SOURCE GROUNDING PER NEC 250-26. CONDUCTOR SIZE AS NOTED.
- SES SERVICE ENTRANCE SECTION. SEE ONE-LINE DIAGRAM.
- FLUSH FLOOR OUTLET WITH DEVICE SHOWN. PROVIDE WITH BRASS DEVICE PLATE AND CARPET FLANGE, IN CARPETED AREAS. TELEPHONE AND DATA OUTLETS SHALL HAVE MIN. 1"C. WITH PULL STRING STUBBED UP INTO ACCESSIBLE CEILING SPACE. PROVIDE CONDUIT BUSHINGS ABOVE CEILING.
- SPECIAL PURPOSE RECEPTACLE WITH NEMA CONFIGURATION NOTED, ie; 6-50, 15-20, ETC.
- MULTI OUTLET ASSEMBLY (MOA). MOUNT AT 6" ABOVE COUNTER SPLASH WHERE LOCATED BEHIND COUNTER, OR AT 12", U.N.O.

RECEPTACLE SUBSCRIPTS - PROVIDE THE FOLLOWING DEVICE FEATURES WHERE NOTED:

GF	GROUND FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND. PROVIDE SEPERATE GROUND CONDUCTOR FROM PANELBOARD WITHOUT ANY SPLICE.
V	VERIFY NEMA CONFIGURATION WITH EQUIPMENT TO BE SERVED PRIOR TO ROUGH-IN.
CC	CORD AND CAP. PROVIDE 6' CORD AND CAP FOR THE EQUIPMENT TO MATCH RECEPTACLE TYPE AND AMPERAGE.

- DATA OUTLET. SLASH LINE INDICATES MOUNTING IS ABOVE COUNTER. PROVIDE 3/4"C. WITH PULL STRING UP INTO ACCESSIBLE CEILING SPACE U.N.O. PROVIDE CONDUIT BUSHING ABOVE CEILING.
- TELEPHONE OUTLET. MOUNT AT 18" ABOVE FINISH FLOOR U.N.O. SLASH LINE INDICATES MOUNTING IS ABOVE COUNTER. PROVIDE 3/4"C. WITH PULL STRING UP INTO ACCESSIBLE CEILING SPACE U.N.O. PROVIDE CONDUIT BUSHING ABOVE CEILING. "P" INDICATES PAY PHONE. PROVIDE #6 CU GROUND PER NEC 800-40.
- DATA AND TELEPHONE OUTLETS COMBINED IN ONE BOX. PROVIDE (2) 3/4"C. WITH PULL STRING UP INTO ACCESSIBLE CEILING SPACE U.N.O. PROVIDE CONDUIT BUSHING ABOVE CEILING.
- SPEAKER. PROVIDE SPEAKER, BACKBOX, AND GRILL. VERIFY MOUNTING TYPE AND LOCATION WITH SPECIFICATIONS AND PLANS.
- 2'x 2'x 3/4" THICK FIRE RATED TELEPHONE MOUNTING BOARD. MOUNT AT 6" BELOW CEILING. PROVIDE #6 SOLID CU GROUND PER NEC 800-40.
- CIRCUITS IN CONCEALED CONDUIT U.N.O. NO DISTINCTION IS MADE FOR UNDERGROUND OR OVERHEAD CONDUITS. (——) INDICATES HOMERUN TO PANELBOARD OR AS NOTED. HACHURES INDICATE NUMBER OF PHASE AND NEUTRAL CONDUTORS, WHERE NO HACHURES ARE SHOWN PROVIDE 2#12 CU, 1#12 CU BOND IN 1/2" CONDUIT. WHEN HOMERUN CONDUCTORS ARE LARGER THAN #12, PROVIDE INDICATED SIZE FOR ENTIRE LENGTH OF CIRCUIT. BOND AND ISOLATED GROUND CONDUCTORS ARE NOT SHOWN. PROVIDE EQUIPMENT BOND WITH ALL CIRCUITS PER NEC 250-95. PROVIDE ISOLATED GROUND FOR IG RECEPTACLES PER NEC 250-95.
- PANELBOARD. SURFACE OR FLUSH MOUNTED AS NOTED IN PANEL SCHEDULE.
- MOTOR. SIZE AND RATING AS SHOWN. "EF" INDICATES EXHAUST FAN.
- PREWIRED MOTOR CONTROLLER FURNISHED WITH EQUIPMENT.
- MAGNETIC MOTOR STARTER. SIZE, VOLTAGE, PHASE, AND NUMBER OF POLES AS REQUIRED. FURNISHED WITH (1) N.O./N.C. FIELD CONVERTIBLE AUXILIARY CONTACT. SHALL BE SINGLE SPEED NON-REVERSING U.N.O. PROVIDE NEMA 3R WHEN LOCATED OUTSIDE.
- COMBINATION DISCONNECT SWITCH AND MOTOR STARTER WITH ENCLOSURE. SEE DISCONNECT SWITCH AND MAGNETIC MOTOR STARTER SYMBOLS. SIZE ACCORDING TO RELATED CIRCUIT BREAKER U.N.O.
- HEAVY DUTY FUSED DISCONNECT SWITCH. SIZE ACCORDING TO RELATED CIRCUIT BREAKER U.N.O. NF = NON-FUSIBLE
- TELEVISION OUTLET. SLASH LINE INDICATES MOUNTING IS ABOVE COUNTER. PROVIDE 3/4"C. WITH PULL STRING INTO ACCESSIBLE CEILING SPACE U.N.O. PROVIDE CONDUIT BUSHING ABOVE CEILING.
- HARDWIRED CONNECTION.
- DUPLEX/USB RECEPTACLE. MOUNT AT 18" ABOVE FINISHED FLOOR U.N.O.

FAULT CURRENT SCHEDULE

DEVICE	A/C RATING	L-N VOLTS	UTILITY FAULT	UTILITY X	UTILITY R	FED FROM DEVICE	FED FROM FAULT	FED FROM X	FED FROM R	FEEDER SIZE	FEEDER X / 1000'	FEEDER R / 1000'	FEEDER LENGTH	FEEDER X	FEEDER R	TRANSFORMER KVA	TRANSFORMER Z%	TRANSFORMER XR RATIO	TRANSFORMER FAULT AT PRIMARY	TRANSFORMER X	TRANSFORMER R	DIRECTLY CONNECTED MOTOR LOAD KVA	MOTOR FAULT	MOTOR X	MOTOR R
SES	65,000	277V	65,000	0.004179	0.0008358					(2)#3/0	0.0195	0.0385		0	0										
H	42,000	277V	26,009	0.007723	0.007334	SES	65,000	0.004179	0.0008358	#3/0	0.042	0.077	84'	0.0035	0.0065							31.3	150	1.787	0.4467
T	22,000	120V	4,839	0.02407	0.005993	H	26,009	0.007723	0.007334	#2	0.045	0.19	2'-9"	0.0001	0.0005	75	4	5	24,950	0.02259	0.004519				
A	10,000	120V	4,767	0.02433	0.00647	T	4,839	0.02407	0.005993	#3/0	0.042	0.077	6'-2"	0.0003	0.0005							14.1	157	0.7438	0.186
B	10,000	120V	4,741	0.0244	0.006719	A	4,767	0.02433	0.00647	#1	0.046	0.15	1'-8"	0.0001	0.0002							5.42	60	1.934	0.4836

PANEL H

ROOM
MOUNTING FLUSH
FED FROM SES
NOTE EXISTING
VOLTS 480Y/277V 3P 4W
BUS AMPS 200
NEUTRAL 100%
AIC 42,000
MAIN BKR MLO
LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C
1	20/3	RTU-1	2.94			2	-/1	SPACE	0		
3				2.94		4	-/1	SPACE		0	
5					2.94	6	-/1	SPACE			0
7	35/3	RTU-2	7.48			8	-/1	SPACE	0		
9				7.48		10	-/1	SPACE		0	
11					7.48	12	-/1	SPACE			0
13	-/1	SPACE	0			14	-/1	SPACE	0		
15	-/1	SPACE		0		16	-/1	SPACE		0	
17	-/1	SPACE			0	18	-/1	SPACE			0
19	-/1	SPACE	0			20	-/1	SPACE	0		
21	-/1	SPACE		0		22	-/1	SPACE		0	
23	-/1	SPACE			0	24	-/1	SPACE			0
25	-/1	SPACE	0			26	-/1	SPACE	0		
27	-/1	SPACE		0		28	-/1	SPACE		0	
29	-/1	SPACE			0	30	-/1	SPACE			0
31	-/1	SPACE	0			32	-/1	SPACE	0		
33	-/1	SPACE		0		34	-/1	SPACE		0	
35	-/1	SPACE			0	36	-/1	SPACE			0
37	-/1	SPACE	0			38	90/3	XFMR T	9.49		
39	-/1	SPACE		0		40				10.2	
41	-/1	SPACE			0	42					8.94
								TOTAL CONNECTED KVA BY PHASE	19.9	20.6	19.4
								TOTAL CONNECTED AMPS BY PHASE	71.9	74.5	69.9

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	1.03	1.29	(125%)	CONTINUOUS	1.2	1.5	(125%)
LARGEST MOTOR	22.4	28.1	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	28.3	28.3	(100%)	NONCONTINUOUS	0.65	0.65	(100%)
RECEPTACLES	6.24	6.24	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
MISC	0	0	(100%)	NONCOIN/DIVERSE	0	0	(N/A)
				TOTAL KVA	59.9	66.1	

BALANCED THREE PHASE AMPS 79.5

PANEL A

ROOM
MOUNTING FLUSH
FED FROM T
NOTE EXISTING
VOLTS 208Y/120V 3P 4W
BUS AMPS 200
NEUTRAL 100%
AIC 10,000
MAIN BKR MLO
LUGS STANDARD

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C
1	20/1	CUSTOMER AREA LTG	0.251			2	20/	BLDG.SIGN.	1.2		
3	20/1	PRODUCTION AREA EF-A, LIGHTING, LTG		1.2		4	20/	MISC. SHOW WINDOW LTG.		0.6	
5	20/1	CUSTOMER AREA REC.			0.18	6	30/	AC			2.4
7	20/1	RR REC. GFCI	0.18			8	20/1	K23 COVEC OVEN	0.72		
9	20/1	K24 BOT MIXER		0.6		10	20/	K23 COVEC OVEN		0.72	
11	20/1	K34 RI FREEZ			0.66	12	20/1	k47 UC FRIG			0.24
13	20/1	K33 RI FRIG	0.276			14	20/	MIXER AREA CONV REC.	0.72		
15	20/1	K33 RI FRIG		0.276		16	20/	CONV REC.		0.36	
17	20/1	K33 RI FRIG			0.276	18	20	SCALE REC.			0.36
19	20/1	K33 RI FRIG	0.276			20	20/1	SCALE REC.	0.36		
21	/2	K49 MICRO		1.4		22	20	MISC. W/H & PUMP		0.6	
23					1.4	24	20	SMOKE DETECTOR			0.05
25	20/	K14 MIXER	1.04			26	20/1	MAINT. RECEPTACLE	0.18		
27				1.04		28	20	MONITOR		0.3	
29	20/	K14 MIXER			1.04	30	-/1	SPACE			0
31			1.04			32	-/1	SPACE	0		
33	20/1	K43 UC FREEZ		0.264		34	-/1	SPACE		0	
35	20/1	BOH REC.			0.72	36	-/1	SPACE			0
37	-/1	SPACE	0			38	100/3	PANEL B	3.25		
39	-/1	SPACE		0		40				2.84	
41	-/1	SPACE			0	42					1.61
								TOTAL CONNECTED KVA BY PHASE	9.49	10.2	8.94
								TOTAL CONNECTED AMPS BY PHASE	79.2	85.3	74.5

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	1.03	1.29	(125%)	CONTINUOUS			
LARGEST MOTOR	3.76	4.71	(125%)	HEATING			
OTHER MOTORS	15.8	15.8	(100%)	NONCONTINUOUS			
RECEPTACLES	6.24	6.24	(50%>10)	KITCHEN EQUIP			
MISC	0	0	(100%)	NONCOIN/DIVERSE			
				TOTAL KVA			

BALANCED THREE PHASE AM

PANEL B

ROOM
MOUNTING FLUSH
FED FROM A
NOTE EXISTING
VOLTS 208Y/120V 3P 4W
BUS AMPS 100
NEUTRAL 100%

CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C	CKT #	CKT BKR	CIRCUIT DESCRIPTION	KVA LOAD A	KVA LOAD B	KVA LOAD C
1	20/1	T.M.B. REC.	0.36			2	30/	SF-1			
3	20/1	MAN DESK REC.		0.36		4					
5	20/1	MAN DESK REC.			0.18	6	20/	EFH-1			
7	20/1	MAN DESK REC.	0.18			8					
9	20/1	P.O.S. REC.		0.6		10	-/1	SPACE		0	
11	20/1	P.O.S. REC.			0.6	12	-/1	SPACE			0
13	-/1	SPACE	0			14	-/1	SPACE	0		
15	-/1	SPACE		0		16	-/1	SPACE		0	
17	-/1	SPACE			0	18	-/1	SPACE			0
19	-/1	SPACE	0			20	-/1	SPACE	0		
21	-/1	SPACE		0		22	-/1	SPACE		0	
23	-/1	SPACE			0	24	-/1	SPACE			0
25	-/1	SPACE	0			26	-/1	SPACE	0		
27	-/1	SPACE		0		28	-/1	SPACE		0	
29	-/1	SPACE			0	30	-/1	SPACE			0
31	-/1	SPACE	0			32	-/1	SPACE	0		
33	-/1	SPACE		0		34	-/1	SPACE		0	
35	-/1	SPACE			0	36	-/1	SPACE			0
37	-/1	SPACE	0			38	-/1	SPACE	0		
39	-/1	SPACE		0		40	-/1	SPACE		0	
41	-/1	SPACE			0	42	-/1	SPACE			0
								TOTAL CONNECTED KVA BY PHASE	3.25	2.84	1.61
								TOTAL CONNECTED AMPS BY PHASE	27.5	25.3	14

	CONN. KVA	CALC. KVA			CONN. KVA	CALC. KVA	
LIGHTING	0	0	(125%)	CONTINUOUS	0	0	(125%)
LARGEST MOTOR	3.76	4.71	(125%)	HEATING	0	0	(100%)
OTHER MOTORS	1.66	1.66	(100%)	NONCONTINUOUS	0	0	(100%)
RECEPTACLES	2.28	2.28	(50%>10)	KITCHEN EQUIP	0	0	(N/A)
MISC	0	0	(100%)	NONCOIN/DIVERSE	0	0	(N/A)
				TOTAL KVA	7.7	8.64	

BALANCED THREE PHASE AMPS 24

Legend

Description	Quantity	Unit
26: 4#6, 1#6GND CU WIRE SERVICE FROM PANEL TO TVSS, 1"c 5FT	1	Count
26: PANEL-A, 20AMP, 1-POLE CB	25	Count
26: PANEL-A, 20AMP, 2-POLE CB	3	Count
26: PANEL-A, 30AMP, 1-POLE CB	1	Count
26: PANEL-B, 20AMP, 1-POLE CB	6	Count
26: PANEL-B, 20AMP, 2-POLE CB	1	Count
26: PANEL-B, 30AMP, 2-POLE CB	1	Count
26: PANEL-H, 20AMP, 3-POLE CB	1	Count
26: PANEL-H, 35AMP, 3-POLE CB	1	Count
26: TVSS	1	Count

ONE-LINE NOTES:

A. SWITCHBOARD COMPONENTS, INCLUDING OVERCURRENT PROTECTIVE DEVICES SHALL BE FULLY RATED FOR THE AVAILABLE FAULT CURRENT SHOWN.

B. PER NEC ARTICLE 110.22, PROVIDE IDENTIFICATION AT ENCLOSURE OF PANEL BOARDS WHERE BREAKERS ARE APPLIED IN SERIES COMBINATION, STATING: "CAUTION - SERIES COMBINATION SYSTEM RATED AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED." CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON ONE-LINE DIAGRAM.

C. PER NEC ARTICLE 240.86(A), PROVIDE IDENTIFICATION AT EACH DISCONNECTING MEANS FEEDING DOWNSTREAM DEVICES APPLIED IN SERIES COMBINATION. PROVIDE NOTE INDICATING: "CAUTION - SERIES RATED DEVICES ARE FED FROM THIS REMOTE MAIN. 42,000 AMPS AVAILABLE. IDENTIFIED REPLACEMENT COMPONENT REQUIRED." CONTRACTOR TO FILL IN BLANK WITH AVAILABLE FAULT CURRENT AS SHOWN ON ONE-LINE DIAGRAM.

D. THE SERIES RATED SYSTEM WILL BE 1-TIER WITH DEVICES RATED @ 65K/14K FOR 480V SYSTEMS AND 42K/10K FOR 240V SYSTEMS.

F. UNLESS NOTED OTHERWISE, LIGHTING AND APPLIANCE BRANCH CIRCUIT BREAKERS ARE SERIES RATED WITH REMOTE UPSTREAM MAIN BREAKERS IN ACCORDANCE WITH 'UL' 489.

G. PROVIDE ARC FLASH AND SHOCK HAZARD WARNING IDENTIFICATION PER NEC ARTICLE 110.16

H. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ENGINEER AND THE ELECTRICAL INSPECTOR.

PANEL SCHEDULE NOTES:

A. A.I.C. RATING SHOWN ON PANEL SCHEDULES ARE THE MINIMUM RATING FOR NEW AND REPLACEMENT OVERCURRENT PROTECTIVE DEVICES. EACH DEVICE SHALL BE SERIES RATED WITH THE UPSTREAM DEVICE AT AFC AS SHOWN ON ONE-LINE DIAGRAM.

B. ALL PANEL BOARDS SHALL HAVE A TYPE WRITTEN DIRECTORY IDENTIFYING EACH NUMBERED CIRCUIT PLACED IN A DIRECTORY HOLDER INSIDE THE DOOR.

C. THE CONTRACTOR SHALL PERMANENTLY MARK WITH PERMANENT MARKER THE CIRCUIT IDENTIFICATIONS ON THE COVERPLATES OF RECEPTACLES, EQUIPMENT, AND LIGHTING JUNCTION BOXES. (STICK ON LABELS NOT ACCEPTABLE)

GENERAL ONE-LINE NOTES :

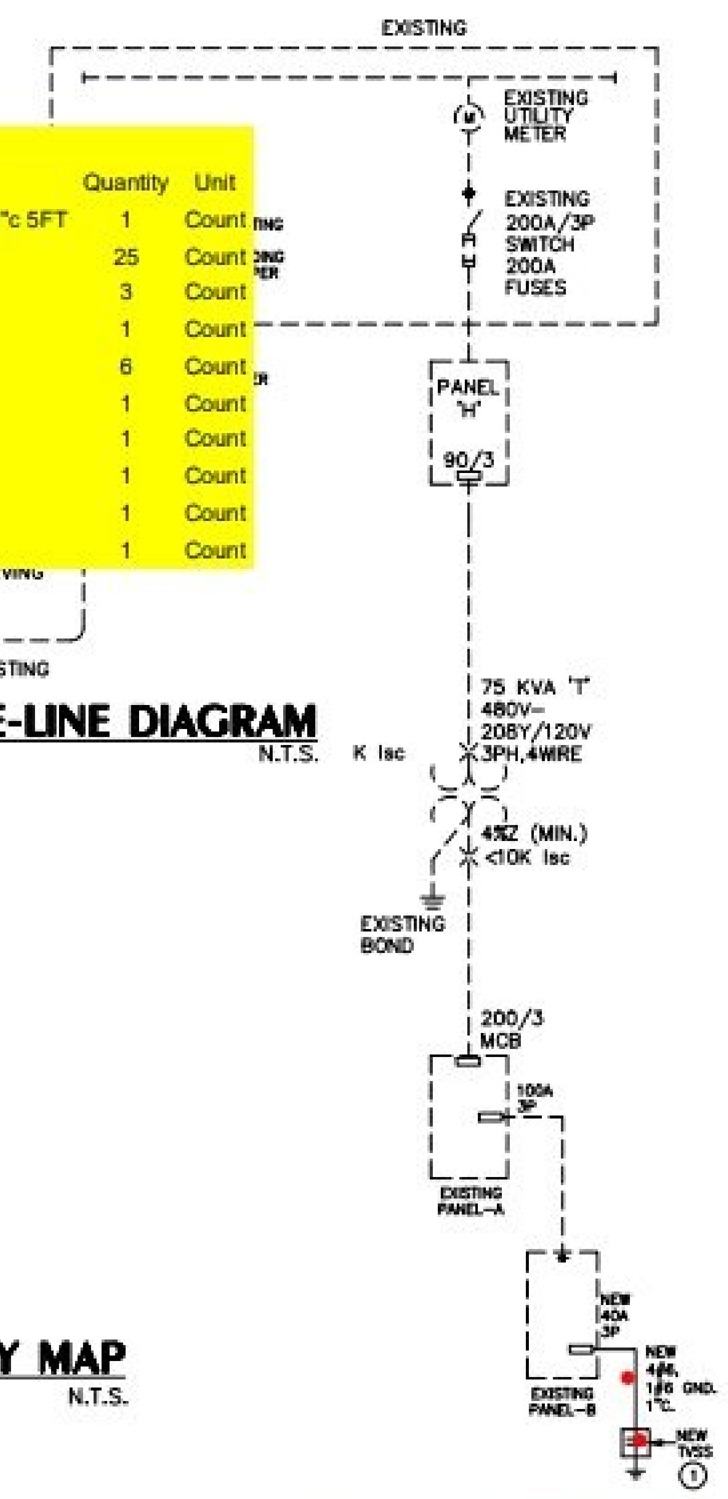
A. DASHED LINES INDICATE EXISTING EQUIPMENT. SOLID LINES INDICATE NEW EQUIPMENT U.N.O.

PANEL SCHEDULE KEYED NOTES :

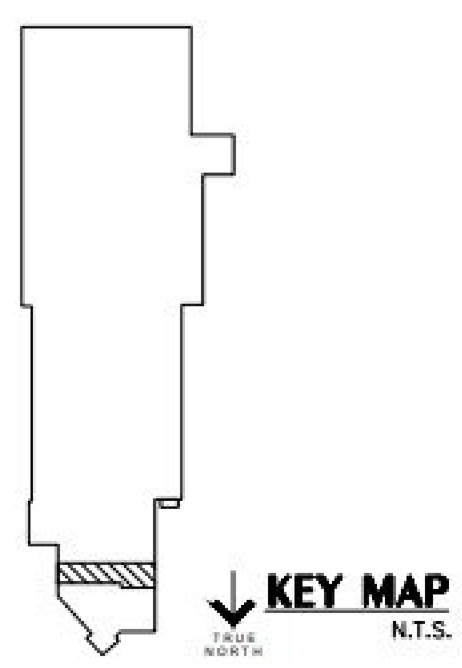
(1) INDICATES PROVIDE & INSTALL A LOCK-ON DEVICE.
(2) PROVIDE RED IDENTIFICATION FOR FIRE ALARM EQUIPMENT PER NEC 760.41 (A) & (B).

ONE LINE DIAGRAM KEYED NOTES :

1. SEE FEEDER SCHEDULE THIS SHEET.
2. EC SHALL VERIFY AND COORDINATE LOCATION AND TYPE OF SES WITH POWER COMPANY AND OWNER PRIOR TO ANY WORK.



PARTIAL ONE-LINE DIAGRAM
N.T.S.



KEY MAP
N.T.S.

GNICH ARCHITECTURE STUDIO
AN OREGON LIMITED LIABILITY COMPANY

1001 SE SANDY BLVD., SUITE 100
PORTLAND, OR 97214
503.552.9079
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Sprinkles

Project No: 24740001
Sprinkles Bakery Store
Tenant Improvement
8519 Cooper Creek Blvd, University Park, FL 34201
for Celebrate Cupcakes
PO BOX 9125
Longboat Key, FL 34228
434.944.1985

ISSUED FOR OWNER REVIEW/ NOT FOR CONSTRUCTION: 06.20.24

REV:	DATE:	DESCRIPTION:

SHEET NAME:
ELECTRICAL ONE-LINE DIAGRAM/ PANEL SCHEDULES/ CALCULATIONS
SDE-24071

SHEET NUMBER:
E1.0

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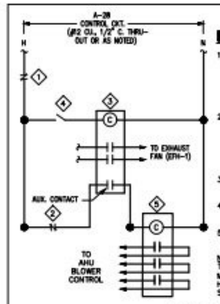
EOS LITHONIA LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT VA	VOLTS
A		(1) LED	2'X4' LED 4718 LUMEN PRISMATIC TROFFER	STANDARD	CEILING	COLUMBIA LJT24-50MLG-FSA12-E3U	38	120V 1P 2W
ANL		(1) LED	2'X4' LED 4718 LUMEN PRISMATIC TROFFER	STANDARD	CEILING	COLUMBIA LJT24-50MLG-FSA12-E3U	38	120V 1P 2W
C		(1) LED	6" APERTURE LED 980 LUMEN DOWNLIGHT	STANDARD	RECESSED	LOTUS LED LL6R-30K-WH-FRP6	17	120V 1P 2W
CE		(1) LED	6" APERTURE LED 980 LUMEN DOWNLIGHT NIGHT LIGHT	STANDARD	RECESSED	LOTUS LED LL6R-30K-WH-FRP6	17	120V 1P 2W
EM1		(2) 0.56W LED	LED EMERGENCY LIGHT WITH EMERGENCY BATTERY BACK UP 90 MINUTE MINIMUM.	STANDARD	WALL	COMPASS (HUBBELL) CU2	1	120V 1P 2W
EM2		(2) 3W LED	DECORATIVE LED AC/EMERGENCY LIGHT WATERPROOF	STANDARD	WALL	COMPASS (HUBBELL) CUW	9	120V 1P 2W
EXL		(1) 4.12W LED	EXIT SIGN WITH EMERGENCY BATTERY BACKUP 90 MIN MINIMUM	STANDARD	WALL	COMPASS (HUBBELL) CCR	4.12	120V 1P 2W

GENERAL NOTES:
A. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL DEVICE & FIXTURE FINISHES, LOCATIONS AND MOUNTING HEIGHTS WITH GC PRIOR TO PURCHASING ANY EQUIPMENT. ALSO CONFIRM THE EXACT CEILING TYPE PRIOR TO ORDERING ANY FIXTURES.
B. CONNECT ALL EXIT AND EMERGENCY LIGHTING TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.

LIGHT SENSOR SYMBOLS:

- (M) STANDARD RANGE ULTRASONIC/INFRARED MOTION SENSOR (MOUNTED TO CEILING) MFR: LEVITON, PROVOLT ROOM CONTROLLER SYSTEM. (OR EQUAL)
- (P) STANDARD RANGE AUTOMATIC DIMMING CONTROL SENSOR (MOUNTED TO CEILING) MFR: SENSORSWITCH, CAT# CMR-ADC. (OR EQUAL) (LOWER CASE LETTER DESIGNATES WHICH FIXTURES ARE TO BE CONTROLLED BY THIS SENSOR)
- $TS WALL MOUNTED TIME SWITCH WITH OVERRIDE FUNCTION. MFR: INTERMATIC, CAT# EK600WC. (OR EQUAL) COORDINATE LOCATION WITH OWNER. CONNECT TO 120V LIGHTING BRANCH CIRCUITS TO PROVIDE AUTOMATIC SHUT-OFF.
- (DS) DAY LIGHT SENSOR
- $OS WALL MOUNTED OCCUPANCY/VACANCY SENSOR SWITCH
- $D WALL MOUNTED DIMMER SWITCH
- $ SWITCH FOR LEVITON, PROVOLT ROOM CONTROLLER SYSTEM OR EQUAL.



KEY NOTES

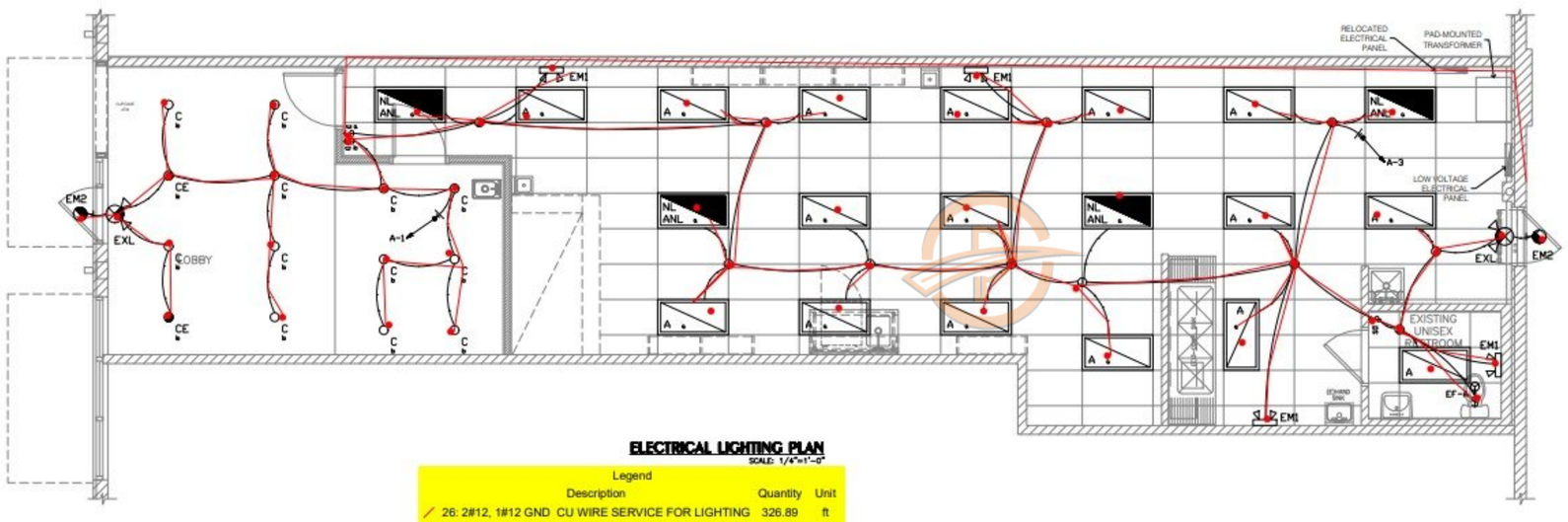
1. ROUTE CONTROL CIRCUIT THRU NORMALLY CLOSED CONTACTS IN FIRE SUPPRESSION SYSTEM IF REQUIRED BY FIRE MARSHALL OR "AUTHORITY HAVING JURISDICTION", TO SHUT DOWN BOTH "MAU-1" AND "HOOD EXHAUST FAN" UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. VERIFY WHICH OF KEYED NOTE 1 OR 2 WILL BE REQUIRED BY "AUTHORITIES".
2. ROUTE CONTROL CIRCUIT THRU NORMALLY CLOSED CONTACTS IN FIRE SUPPRESSION SYSTEM IF REQUIRED BY FIRE MARSHALL OR "AUTHORITY HAVING JURISDICTION", TO SHUT DOWN "MAU-1" WHILE ALLOWING "HOOD EXHAUST FAN" TO STAY "ON" UPON ACTIVATION OF FIRE SUPPRESSION SYSTEM. VERIFY WHICH KEYED NOTE 1 OR 2 WILL BE REQUIRED BY "AUTHORITIES".
3. MAGNETIC STARTER (M), SEE SYMBOLS AND FLOOR PLAN FOR LOCATION.
4. 15 AMP, 120V., TOGGLE SWITCH. LABEL "HOOD EXHAUST FAN AND BLOWER FANS". SEE FLOOR PLAN FOR LOCATION.
5. RELAY AND N.O. CONTACTS TO TURN BLOWER/A.H. TO 'ON' POSITION WHILE HOOD EXHAUST IS OPERATING.

NOTE:
THE HOOD EXHAUST FAN MOTOR SHALL BE INTERLOCKED WITH BLOWER MOTOR FROM MAKE-UP AIR FAN OR A/C UNIT AS NOTED SO WHEN HOOD EXHAUST FAN IS OPERATING ALSO THE BLOWER MOTOR OPERATE SIMULTANEOUSLY.

HOOD EXHAUST / MAKE-UP AIR INTERLOCK WIRING DIAGRAM

NOTE :

PRIOR TO PASSING FINAL INSPECTION THE DESIGN PROFESSIONAL, SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURES INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH IBC SECTIONS C408.3.1 AND C408.3.1.2 THRU C408.3.1.3 FOR APPLICATION CONTROL TYPE.



ELECTRICAL LIGHTING PLAN
SCALE: 1/4"=1'-0"

Legend		
Description	Quantity	Unit
26: 2#12, 1#12 GND CU WIRE SERVICE FOR LIGHTING	326.89	ft
26: JUNCTION BOX	11	Count
26: LIGHT A/NL	4	Count
26: LIGHT A	16	Count
26: LIGHT CE	2	Count
26: LIGHT C	12	Count
26: LIGHT EM1	4	Count
26: LIGHT EM2	2	Count
26: LIGHT EXL	2	Count
26: MOTOR RATED SWITCH	1	Count
26: SINGLE POLE DIMMER SWITCH	3	Count

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503.552.9079
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Sprinkles

Project No: 24740001
Sprinkles Bakery Store
Tenant Improvement
8519 Cooper Creek Blvd, University Park, FL 34201
for Celebrate Cupcakes
PO BOX 9125
Longboat Key, FL 34228
434.944.1985

ISSUED FOR OWNER REVIEW/ NOT FOR CONSTRUCTION: 06.20.24

REV:	DATE:	DESCRIPTION:

SHEET NAME:
ELECTRICAL LIGHTING PLAN

SDE-24071
SHEET NUMBER:

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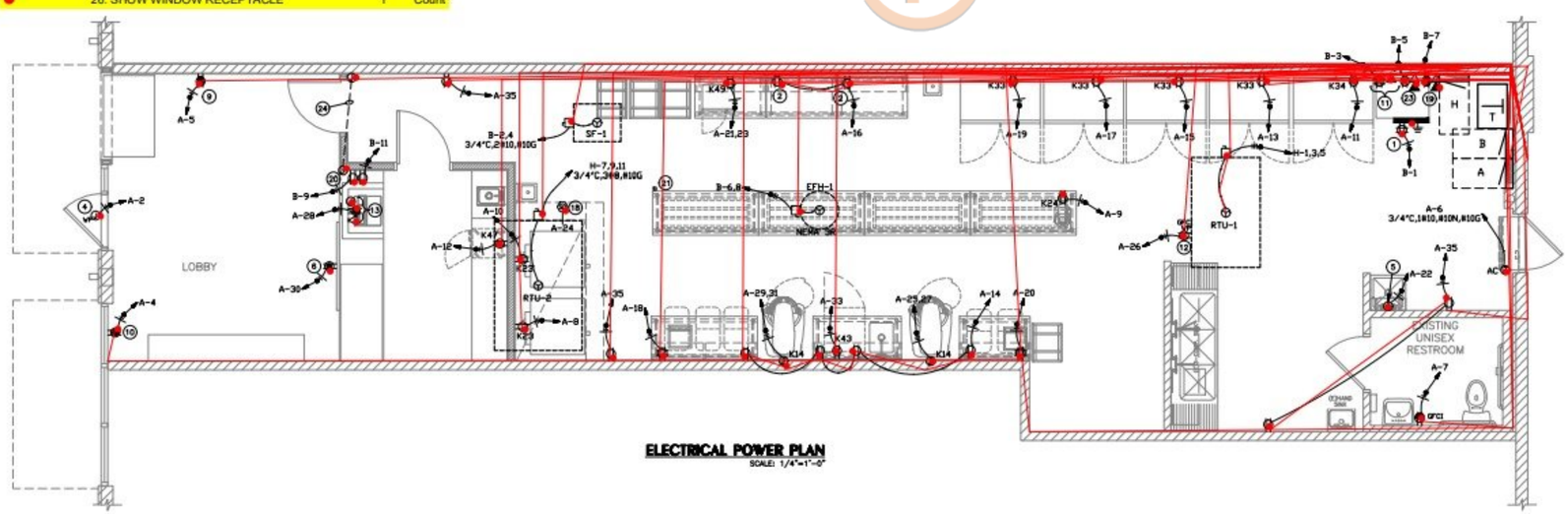
GENERAL EQUIPMENT SCHEDULE

CALLOUT	SYMBOL	DESCRIPTION	VOLTS	AMPS	KVA	CALC. LOAD KVA	CIRCUIT	WIRE CALLOUT
AC		AIR CURTAIN	120V 1P 2W	20	2.4	3	A-6	3/4"C,1#10,#10N,#10G
EF-A		EXHAUST FAN	120V 1P 2W	3.5	0.42	0.53	A-3	3/4"C,1#12,#12N,#12G
EFH-1		HOOD EXHAUST FAN	208V 2P 2W	7.96	1.66	2.07	B-6,8	3/4"C,2#12,#12G
K14		HOBART PLANETARY MIXER	208/120V 2P 3W	10	2.08	2.6	A-25,27	3/4"C,2#12,#12N,#12G
K14		HOBART PLANETARY MIXER	208/120V 2P 3W	10	2.08	2.6	A-29,31	3/4"C,2#12,#12N,#12G
K23		REACH-IN FREEZER	120V 1P 2W	6	0.72	0.9	A-8	3/4"C,1#10,#10N,#10G
K23		REACH-IN FREEZER	120V 1P 2W	6	0.72	0.9	A-10	3/4"C,1#10,#10N,#10G
K24		PLANETARY MIXER	120V 1P 2W	5	0.6	0.75	A-9	3/4"C,1#12,#12N,#12G
K33		REACH-IN REFRIGERATOR	120V 1P 2W	2.3	0.28	0.35	A-19	3/4"C,1#12,#12N,#12G
K33		REACH-IN REFRIGERATOR	120V 1P 2W	2.3	0.28	0.35	A-13	3/4"C,1#12,#12N,#12G
K33		REACH-IN REFRIGERATOR	120V 1P 2W	2.3	0.28	0.35	A-15	3/4"C,1#12,#12N,#12G
		REACH-IN REFRIGERATOR	120V 1P 2W	2.3	0.28	0.35	A-17	3/4"C,1#12,#12N,#12G
		REACH-IN FREEZER	120V 1P 2W	5.5	0.66	0.83	A-11	3/4"C,1#12,#12N,#12G
		UNDER COUNTER FREEZER	120V 1P 2W	2.2	0.26	0.33	A-33	3/4"C,1#12,#12N,#12G
		UNDER COUNTER REFRIGERATOR	120V 1P 2W	2	0.24	0.3	A-12	3/4"C,1#10,#10N,#10G
		MICROWAVE	208/120V 2P 3W	13.5	2.81	3.51	A-21,23	3/4"C,2#12,#12N,#12G
		ROOFTOP UNIT	480V 3P 3W	10.6	8.81	11.02	H-1,3,5	3/4"C,3#12,#12G
		ROOFTOP UNIT	480V 3P 3W	27	22.45	28.06	H-7,9,11	3/4"C,3#8,#10G
		EXHAUST FAN	208V 2P 2W	18.1	3.76	4.71	B-2,4	3/4"C,2#10,#10G

NOTES:
DISCONNECTS AND SWITCHES TO BE PROVIDED AND INSTALLED BY CONTRACTOR.
USE DUAL ELEMENT FUSES AND SIZE PER EQUIPMENT NAMEPLATE.

Legend

Description	Quantity	Unit
26: 2#10, 1#10 GND CU WIRE SERVICE FOR EQUIPMENT	61.79	ft
26: 2#12, 1#12 GND CU WIRE SERVICE FOR EQUIPMENT	52.00	ft
26: 2#12, 1#12 GND CU WIRE SERVICE FOR RECEPTACLE	1,008.88	ft
26: 3#8, 1#10 GND CU WIRE SERVICE FOR EQUIPMENT	67.28	ft
26: 3#12, 1#12 GND CU WIRE SERVICE FOR EQUIPMENT	28.98	ft
26: 4'X4'X3/4" FIRE RATED PLYWOOD	1	Count
26: 20AMP, 2-POLE NON-FUSED DISCONNECT SWITCH	1	Count
26: 20AMP, 3-POLE NON-FUSED DISCONNECT SWITCH	1	Count
26: 30AMP, 2-POLE NON-FUSED DISCONNECT SWITCH	1	Count
26: 35AMP, 3-POLE NON-FUSED DISCONNECT SWITCH	1	Count
26: CEILING MOUNTED RECEPTACLE	2	Count
26: COMBO DATA/TELE OUTLET	2	Count
26: DATA OUTLE	2	Count
26: DUCT SMOKE DETECTOR	1	Count
26: DUPLEX RECEPTACLE-GFI-WP	1	Count
26: DUPLEX RECEPTACLE-GFI	2	Count
26: DUPLEX RECEPTACLE-TR-USB	1	Count
26: DUPLEX RECEPTACLE	24	Count
26: JUNCTION BOX-WP	1	Count
26: JUNCTION BOX	7	Count
26: QUAD RECEPTACLE	4	Count
26: SHOW WINDOW RECEPTACLE	1	Count



ELECTRICAL POWER PLAN
SCALE: 1/4"=1'-0"

GENERAL KITCHEN NOTES

1. FINAL CONNECTION TO ALL KITCHEN EQUIPMENT SHALL BE MADE WITH "SEAL-TITE" FLEXIBLE CONDUIT.
2. THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS TO ALL KITCHEN FOOD SERVICE AND RELATED EQUIPMENT.
3. K# – INDICATES FOOD SERVICE EQUIPMENT IDENTIFICATION NUMBER. SEE KITCHEN SCHEDULE ON THIS SHEET.
4. THE ELECTRICAL CONTRACTOR SHALL VERIFY ROUGH-IN REQUIREMENTS, LOCATIONS, MOUNTING HEIGHTS, VOLTAGE, PHASE, AMPS, HP, KW, ETC. FOR ALL FOOD SERVICE EQUIPMENT PRIOR TO ROUGH-IN.
5. PROVIDE SEAL-OFF'S FOR ALL CONDUITS ENTERING OR LEAVING WALK-IN BOXES.
6. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE ROUGH-IN REQUIREMENTS, LOCATIONS, ORIENTATION, VOLTAGE, PHASE, HP, KW, ETC. FOR ALL HVAC AND PLUMBING EQUIPMENT PRIOR TO ROUGH-IN.
7. ALL CIRCUITS SHALL HAVE AN INSULATED GROUND WIRE (BOND) SIZED PER N.E.C. 250.122. #12 MINIMUM GROUND. WIRE NOT SHOWN ON DRAWINGS.
8. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCHES, CONDUIT, WIRE AND INSTALL UNDER SUPERVISION OF KITCHEN EQUIPMENT SUPPLIER.
9. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE PLUG CONFIGURATIONS FOR APPLICABLE KITCHEN EQUIPMENT WITH SUPPLIER PRIOR TO ROUGH-IN.
10. PROVIDE GFCI PROTECTION FOR ALL KITCHEN RECEPTACLES PER NEC 210.8(B).
11. ALL RECEPTACLES IN PRODUCTION AREA LOW WALL SHALL BE MOUNTED HORIZONTALLY AT +6" BELLOW LOW WALL CAP U.N.O.
12. PROVIDE GFCI PROTECTION FOR ALL KITCHEN RECEPTACLES PER NEC 210.8(B). GFCI PROTECTION FOR THE CIRCUIT SHALL BE PROVIDED BY ANY ONE OF THE FOLLOWING: GFCI CIRCUIT BREAKER INSTALLED WITHIN THE PANEL; A GFCI RECEPTACLE INSTALLED IN A READILY ACCESSIBLE LOCATION; A DEAD-FRONT GFCI DEVICE INSTALLED IN A READILY ACCESSIBLE LOCATION.

DATA ROUGHS ARE BY GC AND DATA CABLING BY SPRINKLES VENDOR

KEYED NOTES

1. PROVIDE A FIRE-TREATED 4'X4'X3/4" PLYWOOD WITH #6 CU. GND. FOR TELEPHONE/COMMUNICATIONS MOUNTING BOARD "T.M.B." TO COMPLY WITH NEC 800.100(B). COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. PROVIDE 3/4" C. TO MAIN BUILDING TELEPHONE MOUNTING CABINET/BOARD. MOUNT ABOVE SUSPENDED CEILING WHERE SHOWN IN ACCESSIBLE CEILING SPACE.
2. (A) AT FULL HEIGHT PARTITIONS, PREP COUNTER AND DOUGH TABLE RECEPTACLES(ACCESSORIES) TO BE MOUNTED AT +54" A.F.F. U.N.O./MAKELINE RECEPTACLES(ACCESSORIES) TO BE MOUNTED AT +60" A.F.F. U.N.O.
(B) AT PARTIAL HEIGHT PARTITIONS, ACCESORY RECEPTACLES TO BE MOUNTED AS HIGH AS POSSIBLE. COORDINATE EXACT MOUNTING HEIGHTS & LOCATIONS WITH OWNER.
3. NOT IN USE
4. PROVIDE W.P. JUNCTION BOX FOR CONNECTION TO NEW TENANT SIGNAGE. VERIFY EXACT LOCATION IN FIELD AND WITH OWNER PRIOR TO ANY WORK. VERIFY ELECTRICAL REQUIREMENTS WITH SIGN SUPPLIER. CIRCUIT THRU ASTRONOMICAL TIME CLOCK, PROVIDED BY GC.
5. PROVIDE JUNCTION BOX AND 20A RECEPTACLE FOR CONNECTION TO WATER HEATER CONTROLS/RECIRCULATION PUMP, AS APPLICABLE. COORDINATE EXACT LOCATIONS WITH PLUMBING CONTRACTOR. VERIFY ELECTRICAL REQUIREMENTS WITH W/H SUPPLIER/INSTALLER.
6. PROVIDE A CEILING MOUNTED RECEPTACLE FOR CONNECTION TO LED MENU BOARD. 600 WATTS MAX (EACH). VERIFY EXACT REQUIREMENTS WITH SUPPLIER AND THE LOCATION IN FIELD.
7. NOT USED.
8. NOT USED.
9. PROVIDE A TAMPER RESISTANT COMBINATION 15A, 120V RECEPTACLE AND A USB CHARGER DEVICE TO BE ENERLITES 61150 OR EQUAL. MOUNT COMBO-OUTLETS HORIZONTALLY AT +38" AFF.
10. SHOW-WINDOW RECEPTACLE. MOUNT FLUSH IN CEILING. PROVIDE 120V 20A SWITCH AT MANAGERS OFFICE FOR SHOW-WINDOW RECEPTACLES CONTROL. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
11. PROVIDE DATA OUTLET AND QUAD RECEPTACLE FOR SECURITY EQUIPMENT. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH INSTALLER OR OWNER.
12. PROVIDE A WP/GFI RECEPTACLE WITHIN 25'-0" OF HVAC EQUIPMENT. MOUNT RECEPTACLE AT +18" ABOVE ROOF/GROUND AS APPROPRIATE TO MEET NEC.
13. CONTRACTOR TO PROVIDE A DUPLEX RECEPTACLE AND DATA OUTLET AS SHOWN MOUNTED ABOVE CEILING.
14. NOT USED.
15. NOT USED.
16. NOT USED.
17. NOT USED.
18. SMOKE DETECTOR MOUNT IN DUCT PER MECHANICAL CODE REQUIREMENTS.
19. PROVIDE USB/DUPLEX RECEPTACLE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.
20. PROVIDE JUNCTION BOX AND 3/4"C. E.C. (RECOMMENDED) WITH PULLSTRING FOR MONITOR CABLING BY OTHERS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH SUPPLIER OR OWNER.
21. CONTRACTOR TO PROVIDE A 2-CHANNEL POWER POLE FOR CONNECTION TO ORDER STATION, TELE/DATA OUTLETS, AND HEAT STRIPS (IF APPLICABLE). WHEN HEAT RACK PRESENT, PROVIDE (3) DEDICATED DUPLEX RECEPTACLES MOUNTED VERTICALLY WITHIN POWER POLE FOR CONNECTION OF HEATING STRIPS. COORDINATE MOUNTING HEIGHTS WITH OWNER PRIOR TO ORDERING. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.
22. PROVIDE A 20A,120V RECEPTACLE FOR MAKELINE COMPRESSOR. LOCATE RECEPTACLE NEAREST TO MAKELINE COMPRESSOR AS POSSIBLE. MOUNTED AT +18" A.F.F. U.N.O. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER AND GC.
23. FOR WALL MOUNTED ORDER/DISPATCH STATIONS AND MANAGER'S CUBBY/OFFICE SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF POWER/PHONE/DATA. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
24. RUN CONDUIT THRU SHORT WALL. COORDINATE EXACT LOCATION AND REQUIREMENTS IN THE FIELD.

GNICH ARCHITECTURE STUDIO
AN OREGON LIMITED LIABILITY COMPANY
1001 SE SANDY BLVD., SUITE 100
PORTLAND, OR 97214
503.552.9079
WWW.GNICHARCH.COM

Sprinkles

Project No: 24740001
Sprinkles Bakery Store
Tenant Improvement
8519 Cooper Creek Blvd. University Park, FL 34201
for Celebrate Cupcakes
PO BOX 9125
Longboat Key, FL 34228
434.944.1985

ISSUED FOR OWNER REVIEW/ NOT FOR CONSTRUCTION: 06.20.24

REV:	DATE:	DESCRIPTION:

SHEET NAME:
ELECTRICAL POWER PLAN

SDE-24071

SHEET NUMBER:
E3.0

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DETAILED BREAKDOWN TAKEOFF & ACCURATE PRICING

DETAILED BREAKDOWN OF ITEMS

PrepareD for: SPRINKLES BAKERY STORE

Project ID: 8519 COOPER CREEK BLVD, UNIVERSITY PARK, FL 34201

Scope: ELECTRICAL

Date: 7/11/2024

TOTAL LABOR HC	Hourly rate	TOTAL MATERIAL COST
332.17	165.00	$ 12,705.37

Montis CONSTRUCTION INC.

SR #	DESCRIPTION	QUANTITY	UNIT	WASTAGE	QUANTITY W/ WASTAGE	UNIT MANHOUR	LABOR HOUR	HOURLY WAGE	LABOR COST	UNIT MAT. COST	MATERIAL COST	SUB COST	
	DIV-1	GENERAL REQUIREMENTS											$ 67,513
1	Permits	1	LS	0%	1	0.000	0.00	$ 165.00	$ -	$ -	$ -	$ -	
2	Supervision anD CoorDination	1	LS	0%	1	0.000	0.00	$ 165.00	$ -	$ -	$ -	$ -	
3	SubmittaLs anD SHop Drawings	1	LS	0%	1	0.000	0.00	$ 165.00	$ -		$ -	$ -	
4	FinaL CLeaning	1	LS	0%	1	0.000	0.00	$ 165.00	$ -	$ -	$ -	$ -	
5	MobiLization Costs	1	LS	0%	1	0.000	0.00	$ 165.00	$ -	$ -	$ -	$ -	
6	Temporary ControL & FaciLities	1	LS	0%	1		0.00	$ 165.00	$ -	$ -	$ -	$ -	
7	ScaffoLDing	1	LS	0%	1		0.00	$ 165.00	$ -	$ -	$ -	$ -	
											SUBTOTAL	$ -	
	DIV-26	ELECTRICAL											
	CONDUIT												
8	3/4" Emt Conduit	1680	LF	10%	1848	0.062	114.58	$ 165.00	$ 18,905.04	$ 1.04	$ 1,921.92	$ 20,826.96	
9	1" Emt Conduit	80	LF	10%	88	0.070	6.16	$ 165.00	$ 1,016.40	$ 1.64	$ 144.32	$ 1,160.72	
	CONDUCTOR												
10	2#10, 1#10 Gnd Cu Wire Service For Equipment	62	LF	10%	68	0.040	2.72	$ 165.00	$ 448.60	$ 0.48	$ 32.63	$ 481.22	
11	2#12, 1#12 Gnd Cu Wire Service For Lighting	360	LF	10%	396	0.040	15.84	$ 165.00	$ 2,613.60	$ 0.48	$ 190.08	$ 2,803.68	
12	2#12, 1#12 Gnd Cu Wire Service For Equipment	52	LF	10%	57	0.040	2.29	$ 165.00	$ 377.52	$ 0.48	$ 27.46	$ 404.98	
13	2#12, 1#12 Gnd Cu Wire Service For Receptacle	1120	LF	10%	1232	0.040	49.28	$ 165.00	$ 8,131.20	$ 0.48	$ 591.36	$ 8,722.56	
14	3#12, 1#12 Gnd Cu Wire Service For Equipment	29	LF	10%	32	0.040	1.28	$ 165.00	$ 210.39	$ 0.48	$ 15.30	$ 225.70	
15	3#8, 1#10 Gnd Cu Wire Service For Equipment	67	LF	10%	74	0.065	4.81	$ 165.00	$ 793.74	$ 1.04	$ 76.97	$ 870.70	
16	4#6, 1#6Gnd Cu Wire Service From Panel To Tvss	5	LF	10%	6	0.062	0.34	$ 165.00	$ 56.27	$ 0.97	$ 5.34	$ 61.60	
	LIGHTING FIXTURE												
17	Light A, 2X4 Led 4718 Lumen Troffer, Columbia, Ljt24-50Mlg-Fsa12-Edu, 38Watt	16	EA	0%	16	1.500	24.00	$ 165.00	$ 3,960.00	$ 162.00	$ 2,592.00	$ 6,552.00	
18	Light A/Nl, 2X4 Led 4718 Lumen Troffer With Battery Backup, Columbia, Ljt24-50Mlg-Fsa12-	4	EA	0%	4	1.500	6.00	$ 165.00	$ 990.00	$ 168.00	$ 672.00	$ 1,662.00	
19	Light C, 6" Dia Led Downlight, Lotus Led L16R-30K-Wh-Frp6, 17Watt	12	EA	0%	12	1.400	16.80	$ 165.00	$ 2,772.00	$ 154.00	$ 1,848.00	$ 4,620.00	
20	Light Ce, 6" Dia Led Downlight With Batteyr Backup, Lotus Led L16R-30K-Wh-Frp6, 17Watt	2	EA	0%	2	1.450	2.90	$ 165.00	$ 478.50	$ 157.00	$ 314.00	$ 792.50	
21	Light Em1, Led Emergency Lgith With Batteyr Backup, Hubbellcu2, 1Watt	4	EA	0%	4	0.950	3.80	$ 165.00	$ 627.00	$ 111.00	$ 444.00	$ 1,071.00	
22	Light Em2, Decorative Led Emergency Light-Waterproof, 9 Watt	2	EA	0%	2	1.300	2.60	$ 165.00	$ 429.00	$ 151.00	$ 302.00	$ 731.00	
23	Light Exl, Exit Sign With Batteyr Backup, 4.12Watt	2	EA	0%	2	1.200	2.40	$ 165.00	$ 396.00	$ 142.00	$ 284.00	$ 680.00	
	LIGHTING CONTROL												
24	Single Pole Dimmer Switch	3	EA	0%	3	0.850	2.55	$ 165.00	$ 420.75	$ 24.00	$ 72.00	$ 492.75	
25	Motor Rated Switch	1	EA	0%	1	0.950	0.95	$ 165.00	$ 156.75	$ 18.00	$ 18.00	$ 174.75	
	POWER RECEPTACLE												
26	Duplex Receptacle	24	EA	0%	24	0.550	13.20	$ 165.00	$ 2,178.00	$ 12.00	$ 288.00	$ 2,466.00	
27	Duplex Receptacle-Gfi	2	EA	0%	2	0.290	0.58	$ 165.00	$ 95.70	$ 65.00	$ 130.00	$ 225.70	
28	Duplex Receptacle-Gfi-Wp	1	EA	0%	1	0.750	0.75	$ 165.00	$ 123.75	$ 18.00	$ 18.00	$ 141.75	
29	Duplex Receptacle-Tr-Usb	1	EA	0%	1	1.000	1.00	$ 165.00	$ 165.00	$ 48.00	$ 48.00	$ 213.00	
30	Ceiling Mounted Receptacle	2	EA	0%	2	0.850	1.70	$ 165.00	$ 280.50	$ 22.00	$ 44.00	$ 324.50	
31	Quad Receptacle	4	EA	0%	4	0.950	3.80	$ 165.00	$ 627.00	$ 34.00	$ 136.00	$ 763.00	
32	Show Window Receptacle	1	EA	0%	1	0.850	0.85	$ 165.00	$ 140.25	$ 26.00	$ 26.00	$ 166.25	
	DISCONNECT SWITCH												
33	20Amp, 2-Pole Non-Fused Disconnect Switch	1	EA	0%	1	0.750	0.75	$ 165.00	$ 123.75	$ 42.00	$ 42.00	$ 165.75	
34	20Amp, 3-Pole Non-Fused Disconnect Switch	1	EA	0%	1	0.800	0.80	$ 165.00	$ 132.00	$ 48.00	$ 48.00	$ 180.00	
35	30Amp, 2-Pole Non-Fused Disconnect Switch	1	EA	0%	1	0.850	0.85	$ 165.00	$ 140.25	$ 54.00	$ 54.00	$ 194.25	
36	35Amp, 3-Pole Non-Fused Disconnect Switch	1	EA	0%	1	0.940	0.94	$ 165.00	$ 155.10	$ 62.00	$ 62.00	$ 217.10	

	PANEL & CIRCUIT BREAKER											
	Existing Panel-A											
37	20Amp, 1-Pole Circuit Breaker	25	EA	0%	25	0.550	13.75	$ 165.00	$ 2,268.75	$ 12.00	$ 300.00	$ 2,568.75
38	20Amp, 2-Pole Circuit Breaker	3	EA	0%	3	0.680	2.04	$ 165.00	$ 336.60	$ 18.00	$ 54.00	$ 390.60
39	30Amp, 1-Pole Circuit Breaker	1	EA	0%	1	0.700	0.70	$ 165.00	$ 115.50	$ 24.00	$ 24.00	$ 139.50
	Existing Panel-B											
40	20Amp, 1-Pole Circuit Breaker	6	EA	0%	6	0.550	3.30	$ 165.00	$ 544.50	$ 12.00	$ 72.00	$ 616.50
41	20Amp, 2-Pole Circuit Breaker	1	EA	0%	1	0.680	0.68	$ 165.00	$ 112.20	$ 18.00	$ 18.00	$ 130.20
42	30Amp, 2-Pole Circuit Breaker	1	EA	0%	1	0.700	0.70	$ 165.00	$ 115.50	$ 24.00	$ 24.00	$ 139.50
	Existing Panel-H											
43	20Amp, 3-Pole Circuit Breaker	1	EA	0%	1	0.650	0.65	$ 165.00	$ 107.25	$ 24.00	$ 24.00	$ 131.25
44	35Amp, 3-Pole Circuit Breaker	1	EA	0%	1	0.800	0.80	$ 165.00	$ 132.00	$ 38.00	$ 38.00	$ 170.00
	MISC. ITEMS											
45	Junction Box	18	EA	0%	18	1.000	18.00	$ 165.00	$ 2,970.00	$ 55.00	$ 990.00	$ 3,960.00
46	Junction Box-Wp	1	EA	0%	1	1.000	1.00	$ 165.00	$ 165.00	$ 76.00	$ 76.00	$ 241.00
47	Tvss	1	EA	0%	1	1.000	1.00	$ 165.00	$ 165.00	$ 88.00	$ 88.00	$ 253.00
	COMMUNICATION OUTLET											
48	Combo Data/Tele Outlet	2	EA	0%	2	0.480	0.96	$ 165.00	$ 158.40	$ 32.00	$ 64.00	$ 222.40
49	Data Outle	2	EA	0%	2	0.540	1.08	$ 165.00	$ 178.20	$ 38.00	$ 76.00	$ 254.20
	Fire Alarm											
50	4'X4'X3/4" Fire Rated Plywood	1	EA	0%	1	1.500	1.50	$ 165.00	$ 247.50	$ 122.00	$ 122.00	$ 369.50
51	Duct Smoke Detector	1	EA	0%	1	1.500	1.50	$ 165.00	$ 247.50	$ 288.00	$ 288.00	$ 535.50
											SUBTOTAL	**$ 67,513**

	PROJECTED COST	**$67,513**
OVERHEAD AND PROFIT	**20%**	**$13,503**
MATERIAL MARKUPS	**27%**	**$18,229**
TAX	**7.5%**	**$5,063**
SUGGESTED BID		**$104,308**

Note:

1. Please verify the Electrical and their prices with owner.
2. Online sources are used for pricing.
3. Prices can vary Depending upon field conditions.

GENERAL SUMMARY

PrepareD for: SPRINKLES BAKERY STORE

Project ID: 8519 COOPER CREEK BLVD, UNIVERSITY PARK, FL 34201

Scope: ELECTRICAL

No. Of Floors: 3 BUILDINGS

Date: 11-Jul-24

Montis CONSTRUCTION INC.

BUILDING GSF	20,800	
DIVISION NO.	**DESCRIPTION**	**TOTAL DIV. COST**
1000	GENERAL REQUIREMENT	$ -
26000	ELECTRICAL	$ 67,513
	TOTAL TRADE COST	$ 67,513
OVERHEAD AND PROFIT	15%	$ 10,127.00
MATERIAL MARKUPS	27%	$ 18,229
TAX	7.500%	$ 5,063
	TOTAL TRADE COST	$ 100,932