

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR TO CENTERLINE OF DEVICE UNO.
AHJ	AUTHORITIES HAVING JURISDICTION
APPROX	APPROXIMATE
BLDG	BUILDING
CKT	CIRCUIT
CLG	CEILING
CM	STARBUCKS CONSTRUCTION MANAGER
CONST	CONSTRUCTION
CW	COLD WATER
CXA	COMMISSIONING AGENT
DEG	DEGREES
DL	LIGHTS WITHIN DAYLIGHT ZONE
DM	STARBUCKS DESIGN MANAGER
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
EA	EACH
EC	ELECTRICAL CONTRACTOR
ECP	EQUIPMENT CONTROL PAC
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EXIST	EXISTING
EXT	EXTERIOR
F&I	FURNISH & INSTALL
FLR	FLOOR
FT	FOOT/FEET
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HR	HOOR
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
LCP	LIGHTING CONTROL PANEL
LL	LANDLORD
LS	LIGHT SENSOR PHOTOCCELL
LV	LOW VOLTAGE
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, AND PLUMBING
MFG	MANUFACTURER
MIN	MINIMUM
NL	NIGHTLIGHT
NTS	NOT TO SCALE
OCP	OVERCURRENT PROTECTION
REF	REFERENCE
REQ(D)	REQUIRE(D)
REV	REVISION
SF	SQUARE FEET
SHT	SHEET
SPECS	SPECIFICATION(S)
SST	STAINLESS STEEL
TEL	TELEPHONE
TEMP	TEMPORARY
TP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
USB	20A DUPLEX RECEPTACLE WITH USB CHARGING PORT (SEE SPECIFICATION ON THIS SHEET)
WH	WATER HEATER
WP	WEATHER PROOF

ELECTRICAL SYMBOL LEGEND

	JUNCTION BOX		RECEPTACLE: DUPLEX
	SWITCH		RECEPTACLE: DUPLEX - ONE SWITCHED
	THREE-WAY SWITCH		RECEPTACLE: QUADPLEX
	MOTION (OCCUPANCY) SENSOR SWITCH		DATA OUTLET
	SWITCHBACK		RECEPTACLE: FLOOR DUPLEX
	TELEPHONE		GROUNDING ELECTRODE CONNECTION
	THERMOSTAT (EMS)		NIGHTLIGHTING 24HR/DAY
	THERMOSTAT SENSOR (EMS)		PHOTOELECTRIC CELL (EMS)
	DIMMER SWITCH		SPEAKER
	SPECIAL RECEPTACLE: SEE NOTE/SCHEDULE FOR DETAILS		
	RACEWAY CONCEALED IN CEILING OR WALL. HASH MARKS INDICATE NUMBER OF WIRES. #12 AWG WIRE UNLESS OTHERWISE NOTED. TWO WIRES PLUS GROUND IF NO HASH MARKS SHOWN. LONG HASH MARK DENOTES NEUTRAL. DOT DENOTES GROUND.		

RECEPTACLE WITH USB CHARGING PORT

PROVIDE UL FEDERAL SPECIFICATION CERTIFIED TAMPER-RESISTANT DUPLEX RECEPTACLE WITH USB CHARGING CAPABILITIES. FEATURES SHALL INCLUDE OVERALL 3.1A USB CHARGING CAPABILITY, AUTO GROUND CLIPS, ZINC-PLATED GROUND TERMINAL SCREW AND TRIPLE-WIPE BRASS CONTACTS.
PASS & SEYMOUR #TRS362USB* OR EQUAL
* - FINISH COLOR SHALL BE AS SPECIFIED ON ARCHITECTURAL DRAWINGS OR AS DIRECTED BY OWNER'S REPRESENTATIVE.

CARBON MONOXIDE (CO) DETECTOR NOTES

COORDINATE INSTALLATION OF CARBON MONOXIDE (CO) DETECTOR DEVICE(S) AND LOW VOLTAGE WIRING WITH STARBUCKS SECURITY VENDOR FOR NEW STORES, RELOCATIONS AND MAJOR RENOVATIONS, IF IN VENDOR SCOPE. VENDOR TO PROVIDE AND INSTALL DEVICE(S) IN BOH AND FOH (AS APPLICABLE PER STARBUCKS STANDARDS).

ENERGY MANAGEMENT SYSTEM (EMS)

THE GENERAL CONTRACTOR SHALL INSTALL SURVEYOR EMS, PRIOR TO LAST WEEK OF CONSTRUCTION, IF NEEDED, FURNISH AND INSTALL TEMPORARY THERMOSTATS AND SENSORS, AND ROUTE ALL LOW VOLTAGE WIRING THROUGH EC PROVIDED CONDUITS (COORDINATE WITH ELECTRICAL).

FURNISH AND INSTALL RACEWAYS WITH PULL STRINGS AND JUNCTION BOXES FOR THERMOSTAT(S) AND SENSOR(S).

THE GENERAL CONTRACTOR IS TO COMPLETE FINAL CONNECTION AFTER DATA RACK AND NETWORK INSTALLATION. THE GENERAL CONTRACTOR IS TO CONTACT LCP VENDOR TO VERIFY SYSTEM OPERATION AND TROUBLESHOOT IF REQUIRED.

Approved: Glenn Steele
Plans Examiner # PX3718

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SECURITY SYSTEM NOTES

STARBUCKS CONTRACTS DIRECTLY WITH SECURITY VENDOR TO SUPPLY AND INSTALL THE SECURITY SYSTEM. CONTRACTOR TO SCHEDULE INSTALLATION OF SECURITY SYSTEM FOR FOUR (4) TIMES:

- MEET TO PLAN SECURITY CABLE PULL WITH SECURITY CABLE INSTALLER PRIOR TO DRYWALL INSTALLATION.
- SECURITY CABLE INSTALLER PULLS SECURITY CABLES, MOUNTS PANEL, KEYPAD AND SENSORS.
- SECURITY EQUIPMENT INSTALL OF CAMERA, NVR AND MONITOR.
- SECURITY MONITORING COMPANY TO BRING SYSTEM ONLINE AND TRAIN PARTNERS AFTER POS INSTALL.

SECURITY VENDOR REQUIRES A MINIMUM TWO (2) WEEKS LEAD TIME FOR EACH INSTALLATION. SECURITY VENDOR WILL COORDINATE REGIONAL INSTALLERS. ALL ADDITIONAL EXPENSES INCURRED DUE TO THE CONTRACTOR'S FAILURE TO SCHEDULE ACCORDINGLY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TELEPHONE SYSTEM NOTES

IF ADDITIONAL TELEPHONE LINES ARE REQUIRED BEYOND THE STANDARD SINGLE LINE (SUCH AS FOR A FIRE ALARM) THE GENERAL CONTRACTOR SHALL CONTACT THE STARBUCKS CONSTRUCTION MANAGER PRIOR TO BEGINNING CONSTRUCTION TO ORDER THE ADDITIONAL TELEPHONE LINE(S). REPORT ANY TELEPHONE INSTALLATION ISSUES IMMEDIATELY TO THE STARBUCKS CONSTRUCTION MANAGER.

CONFIRM PRIOR TO BEGINNING CONSTRUCTION THAT THERE ARE EXISTING WORKING TELCO FACILITIES TO THE BUILDING OR THAT LANDLORD HAS FURNISHED AND INSTALLED ONE (1) 2" (51MM) MIN. (ENTRANCE) CONDUIT INCLUDING PULL STRING FROM TELCO STREET FEED LINE TO THE BUILDING AS IDENTIFIED BY THE PHONE COMPANY. NOTIFY STARBUCKS CONSTRUCTION MANAGER IMMEDIATELY IF FACILITIES OR CONDUIT AND PULL STRING ARE NOT INSTALLED.

GENERAL CONTRACTOR IS TO ENSURE THAT THERE IS A 2" (51MM) MIN. CONDUIT WITH PULL STRING FROM THE DATA RACK TO THE DEMARC (TELCO TO CUSTOMER HAND OFF EQUIPMENT) WHEN THE DEMARC IS MORE THAN 10' FROM THE DATA RACK. DISTANCES LESS THAN 10' WILL NOT REQUIRE CONDUIT.

FIRE ALARM SYSTEM NOTES

IF STARBUCKS IS REQUIRED TO PROVIDE A FIRE ALARM AND/OR FIRE ALARM MONITORING AND/OR PHONE LINES FOR A FIRE ALARM, AS SPECIFIED IN THE LEASE AGREEMENT, THE CONTRACTOR IS TO NOTIFY GNOC IMMEDIATELY THAT FIRE ALARM LINES ARE NEEDED. STARBUCKS PREFERRED FIRE ALARM SERVICE PROVIDER, STANLEY, IS TO BE CONTACTED BY THE CONSTRUCTION MANAGER TO INSTALL FIRE ALARM PANEL AND/OR MONITORING SERVICE AS REQUIRED.

WIRELESS NETWORK NOTES

CABLING FOR INTERNET SERVICE SHALL BE FURNISHED AND INSTALLED BY THE VENDOR FOR FIBER OR BROADBAND CONNECTIONS. T1 AND ETHERNET EXTENSION CABLING IS PROVIDED BY THE STARBUCKS (TELEPHONE/NETWORK) CABLING VENDOR. COORDINATE WITH STARBUCKS.

MUSIC SYSTEM NOTES

MOUNT OWNER FURNISHED SPEAKERS WHERE SHOWN ON INTERIOR REFLECTED CEILING PLANS AND IN COORDINATION WITH ALL PLANS, DETAILS AND MANUFACTURER'S INSTALLATION REQUIREMENTS. INSTALL AND CONNECT OWNER FURNISHED WIRING SYSTEM BETWEEN ALL SPEAKERS AND THE OWNER PROVIDED MUSIC SYSTEM. SET WATTAGE TAP ON EACH SPEAKER'S ROTARY SWITCH PER TAP SETTINGS NOTED ON PLANS.

GENERAL ELECTRICAL NOTES

- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK WITH OTHER TRADES. THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS; USE ACTUAL BUILDING DIMENSIONS. OVERALL CASEWORK COMPONENT DIMENSIONING ON ELECTRICAL DETAILS ARE SHOWN FOR REFERENCE AND COORDINATION ONLY. SEE PROJECT MANUAL.
- ALL ELECTRICAL SYSTEMS SHALL BE TESTED FOR PROPER OPERATION. BALANCE ALL BRANCH CIRCUIT LOADS BETWEEN THE PHASES OF THE SYSTEM WITHIN 10% OF THE HIGHEST PHASE LOAD IN EACH PANEL BOARD.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DE-ENERGIZING CIRCUITS IN DEMOLITION AREAS TO INSURE A SAFE CONDITION. ELECTRICAL DEVICES AND ASSOCIATED WIRING LOCATED WITHIN THE DEMOLITION AREA THAT WILL NO LONGER BE USED SHALL BE REMOVED AND PROPERLY DISPOSED OF AT CONTRACTORS EXPENSE UNLESS OTHERWISE NOTED.
- THE ELECTRICAL CONTRACTOR SHALL SCHEDULE ALL ELECTRICAL SYSTEM OUTAGES WITH THE GENERAL CONTRACTOR AND LANDLORD AT LEAST 24 HOURS IN ADVANCE. UNLESS APPROVED OTHERWISE ALL OUTAGES SHALL OCCUR BETWEEN 11:00PM AND 5:00AM.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CONDUIT AND J-BOXES TO SUPPORT A COMPLETE SECURITY, PHONE, POS AND DATA SYSTEMS. SEE MANAGER WORKSTATION AND BAR POINT OF SALE (POS) POWER/TELECOM/SECURITY DIAGRAM. COORDINATE ALL DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN. PROVIDE END-TO-END PULL STRINGS IN ALL CONDUITS. LABEL EACH END OF THE PULL STRING WITH CONDUIT SYSTEM ("SECURITY") AND DESTINATION ("CAFE", "FRONT BAR", ETC.). PROVIDE INSULATED BUSHINGS ON ALL STUBBED-UP AND EXPOSED CONDUIT ENDS.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO PATCH AND REPAIR ALL EXISTING WALLS, FLOORS, CEILINGS OR OTHER SURFACES IDENTIFIED TO REMAIN THAT MAY BECOME DAMAGED DURING THE COURSE OF WORK.
- EXPOSED/SURFACE MOUNTED CONDUITS SHALL ONLY BE ALLOWED WHERE NECESSARY IN EXPOSED CEILING AREAS. IF CONDUITS NEED TO BE SURFACE MOUNTED TO WALLS, COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER FOR APPROVAL.
- VERIFY LOCATION OF ALL OUTLETS AND SWITCHES WITH ARCHITECTURAL DRAWINGS, INTERIOR DETAILS, FINISH SCHEDULES, GENERAL CONTRACTOR, EQUIPMENT VENDORS, STARBUCKS AND EXISTING SITE CONDITIONS. VERIFY FINAL DOOR HINGE LOCATION PRIOR TO SWITCH INSTALLATION AND ADJUST SWITCH LOCATION IF NEEDED. DO NOT MOUNT RECEPTACLES/SWITCHES IN LOCATIONS THAT WOULD CONFLICT WITH MIRRORS, SEAMS OF WALLS, WAINSCOTS, TILE TRANSITIONS, ETC..

GENERAL NOTES

SCOPE
THE INTENT OF THE DRAWINGS AND PROJECT MANUAL IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL ELECTRICAL SYSTEM. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE ELECTRICAL WORK.

SITE EXAMINATION
THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, CONDUIT, AND WIRING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE ELECTRICAL WORK.

STANDARDS
EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF CSA, UL, NEC, ASTM, UL, ETL, NEMA, ANSI, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

CODES
ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE PROVINCIAL AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE CODES, THE HIGHEST STANDARD SHALL APPLY. ELECTRICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO STARBUCKS.

PERMITS AND FEES
THE ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES, AND INSPECTIONS NECESSARY TO COMPLETE THE ELECTRICAL WORK.

WARRANTY
THE ELECTRICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY STARBUCKS AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

LANDLORD REQUIREMENTS

PRIOR TO BID: THE CONTRACTOR SHALL COORDINATE WITH LANDLORD / BUILDING OWNER FOR ANY CONSTRUCTION REQUIREMENTS. IF LANDLORD / BUILDING OWNER DOES HAVE REQUIREMENTS, CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH REQUIREMENTS AND ADHERE TO THEM. WHERE LANDLORD / BUILDING OWNER REQUIREMENTS ARE MORE STRINGENT THAN SHOWN IN THESE PLANS (IN THE OPINION OF THE ENGINEER), LANDLORD / BUILDING OWNER REQUIREMENTS SHALL GOVERN.

ELECTRICAL SCOPE OF WORK SUMMARY

THE FOLLOWING SCOPE OF WORK IS BASED ON THE LANDLORD'S WORKLETTER EXHIBIT C. THIS SCOPE OF WORK IS NOT INTENDED TO INDICATE THE FULL SCOPE, BUT ONLY A BROAD SUMMARY. THE GENERAL CONTRACTOR SHALL REFERENCE THE COMPLETE WORKLETTER FOR A MORE DETAILED DESCRIPTION OF WORK BY BOTH PARTIES. ANY QUESTIONS REGARDING SCOPE SHALL BE BROUGHT TO STARBUCKS ATTENTION FOR CLARIFICATION. RESPONSIBILITY INDICATED BELOW MEANS FURNISHED, PERMITTED AND INSTALLED BY THE PARTY INDICATED.

WORK DESCRIPTION	RESPONSIBILITY	
	LANDLORD	STARBUCKS
MAIN BUILDING SERVICE AND POWER METER	EXISTING	
ELECTRICAL PANELS AND FEEDERS	X	
TEMPORARY POWER	X	
ELECTRICAL PANEL BREAKERS	X	
ABOVE FLOOR BRANCH CIRCUIT DISTRIBUTION		X
UNDER-FLOOR / SLAB POWER CONDUITS IN BUILDING (WIRING BY STARBUCKS)		X
UNDERGROUND SITE CONDUITS FOR DT, SIGNS, MENU BOARD, DETECTOR LOOP & DCB (WIRING / CABLING BY STARBUCKS)		X
SITE LIGHTING	X	
EXTERIOR BUILDING & PATIO LIGHTING	X	
DATA & PHONE SERVICE, DMARC & (2) 2" CONDUITS TO STARBUCKS SPACE		X
DT WINDOW POWER		X
DT WINDOW EXTERIOR LIGHTS (2 EACH)		X
FIRE ALARM SYSTEM		X



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Timothy L. Raderberg, PE
Professional Engineer

09/12/2023



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FOR CONSTRUCTION

PROJECT NAME:
LECANTO HWY & NORVELL BRYANT

PROJECT ADDRESS:
**3159 W NORVELL BRYANT HWY
LECANTO, FL 34461**

STORE #:	78366
PROJECT #:	97107-001
ISSUE DATE:	09/06/2023
DESIGN MANAGER:	RAI MONTERO
PRODUCTION DESIGNER:	ANDY M.CLOUD
CHECKED BY:	DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
ELECTRICAL NOTES

SCALE: AS INDICATED

SHEET NUMBER:
E-001



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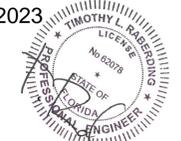
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Professional Engineer

09/12/2023



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Rev	Date	Description

SHEET TITLE:
ELECTRICAL SITE PLAN

SCALE: AS INDICATED

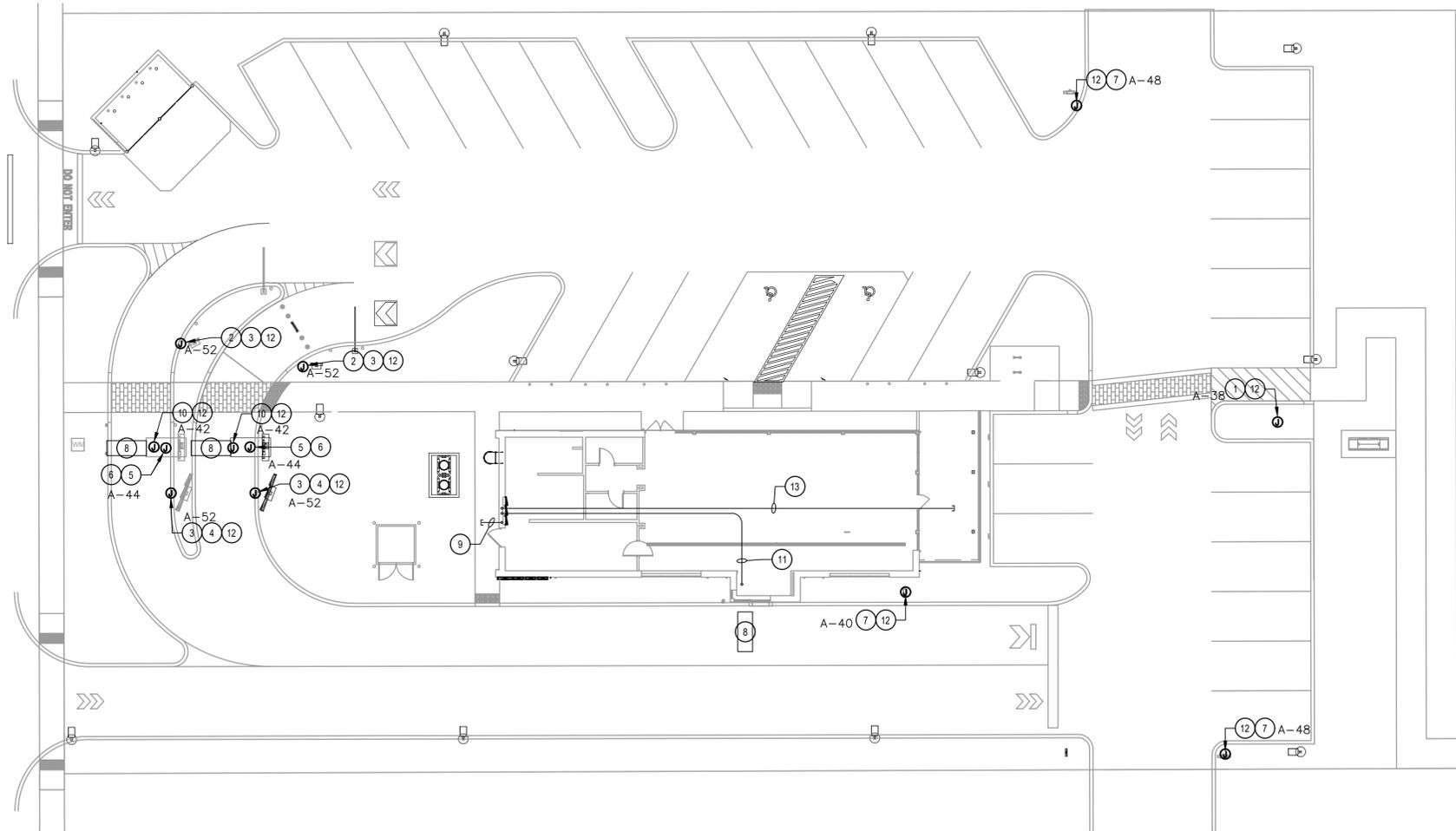
SHEET NUMBER:
E-004

KEY NOTES: (NOT ALL NECESSARILY USED AT THIS LOCATION)

- 1 PROVIDE (1) 1" PVC CONDUIT FOR POWER CONNECTION TO STARBUCKS MONUMENT SIGNAGE. PROVIDE A WEATHERPROOF JUNCTION BOX WITH DISCONNECT SWITCH.
- 2 PROVIDE (1) 1" PVC CONDUIT FOR POWER CONNECTION TO PRE-MENU SIGN AND (1) 1" PVC CONDUIT WITH PULL STRING CONTINUOUS TO TELEPHONE BOARD FOR DATA CONNECTION. PROVIDE WEATHERPROOF JUNCTION BOX WITH DISCONNECT SWITCH.
- 3 EXISTING (1) 1" PVC CONDUIT FOR FUTURE USE TO MENU SIGN AND TO PRE-MENU SIGN.
- 4 PROVIDE (1) 1" PVC CONDUIT FOR POWER CONNECTION TO MENU SIGN AND (1) 1" PVC CONDUIT WITH PULL STRING CONTINUOUS TO TELEPHONE BOARD FOR DATA CONNECTION. PROVIDE WEATHERPROOF JUNCTION BOX WITH DISCONNECT SWITCH.
- 5 EXISTING (2) 1" PVC CONDUITS FROM OCS/SPEAKER POST (AKA DOS/DCB) TO DRIVE-THRU WINDOW - SEE LOW-VOLTAGE CABLE NOTES.
- 6 EXISTING (1) 1" PVC CONDUIT FROM OCS/SPEAKER POST (AKA DOS/DCB) TO ELECTRICAL PANEL. PROVIDE WEATHERPROOF JUNCTION BOX WITH DISCONNECT SWITCH.
- 7 EXISTING (1) 1" PVC CONDUIT FOR POWER CONNECTION TO STARBUCKS DIRECTIONAL SIGNAGE. NOTE THAT UP TO THREE DIRECTIONAL SIGNS CAN BE SERVED BY A SINGLE CIRCUIT. ADDITIONAL SIGNS REQUIRE A NEW DEDICATED CIRCUIT AND CONDUIT. PROVIDE A WEATHERPROOF JUNCTION BOX WITH DISCONNECT SWITCH.
- 8 EXISTING (1) 3/4" PVC CONDUIT FOR EACH OF TWO TENANT-FURNISHED DETECTOR LOOP SETS IN COORDINATION WITH TENANT CONSTRUCTION MANAGER.
- 9 EXISTING (1) SPARE 1" PVC CONDUIT THRU FOUNDATION WALL OUT REAR OF BUILDING, CAPPED AND TERMINATED ABOVE CEILING. VERIFY LOCATION OF STUB UP WITH TENANT'S REPRESENTATIVE.
- 10 EXISTING (1) 1" PVC CONDUIT TO CANOPY UPLIGHT FROM ELECTRICAL PANEL.
- 11 EXISTING (1) 1-1/2" CONDUIT FROM DATA RACK AT MANAGER WORKSTATION TO DRIVE-THRU BUMP.
- 12 CIRCUIT SERVING THIS DEVICE SHALL BE AUTOMATICALLY CONTROLLED. FURNISH AND INSTALL ALL CONDUIT, WIRE, CONNECTIONS, AND CONTACTORS NECESSARY TO ENSURE A FUNCTIONAL SYSTEM (SEE LIGHTING CONTROL DIAGRAM ON E-6001).
- 13 EXISTING (2) 1" PVC CONDUIT TO PATIO AREA FROM ELECTRICAL PANEL.

ELECTRICAL SITE PLAN NOTES

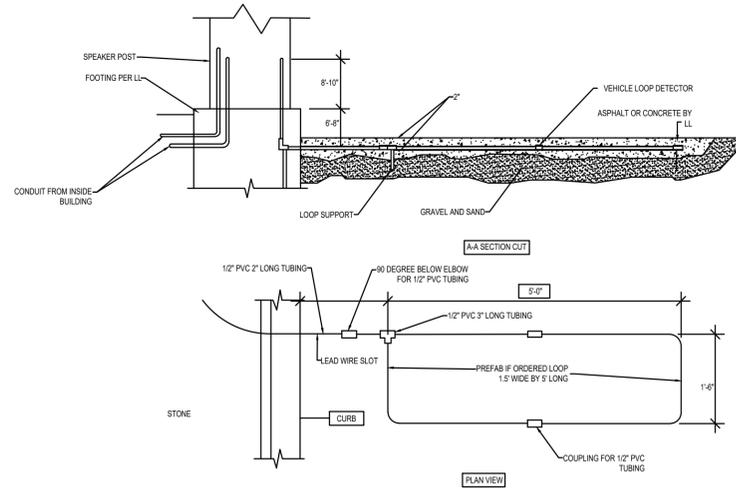
- A. VERIFY FULL SCOPE OF WORK WITH LANDLORD WORK LETTER PRIOR TO BID. NO EXTRAS OR CHANGE ORDERS SHALL BE GIVEN FOR THE GC'S FAILURE TO FULLY UNDERSTAND THE SCOPE.
- B. COORDINATE ALL CONDUIT ROUTING WITH ARCHITECTURAL AND CIVIL PLANS, AND OTHER TRADES.
- C. SIGN LOCATIONS ON THIS PLAN ARE FOR REFERENCE ONLY. ACTUAL LOCATIONS SHALL BE DETERMINED FROM THE ARCHITECTURAL AND CIVIL PLANS, AND THE CONSTRUCTION MANAGER.
- D. REFER TO POWER PLAN FOR PANELBOARD LOCATIONS.
- E. FOR ALL SIGN / MENU LOCATIONS, VERIFY ALL ELECTRICAL REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN. PROVIDE CONDUCTORS AND OVERCURRENT PROTECTION FOR A COMPLETE INSTALLATION.



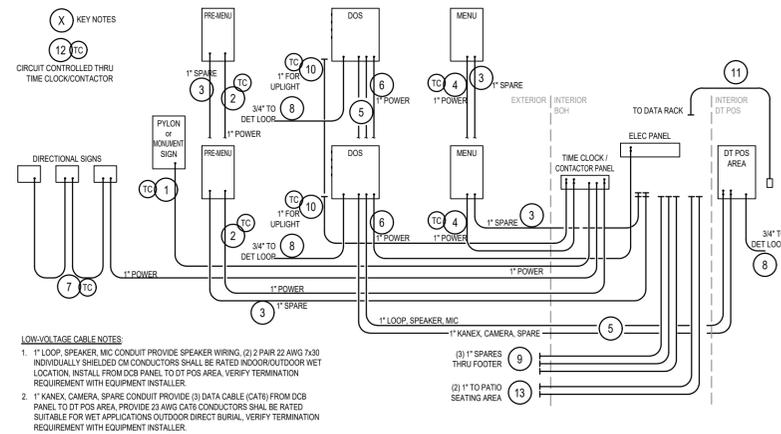
Approved: Glenn Steele
Plans Examiner # PX3718

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1 ELECTRICAL SITE PLAN
SCALE: 1"=10'-0"



2 DT SENSOR LOOP DETAIL
SCALE: NTS



1 DTE CONDUIT SCHEMATIC
SCALE: NTS

KEY NOTES: (NOT ALL NECESSARILY USED AT THIS LOCATION)

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- 10 (1) 1" PVC CONDUIT TO CANOPY UPLIGHT FROM ELECTRICAL PANEL.
- 11 (1) 1-1/2" CONDUIT FROM DATA RACK AT MANAGER WORKSTATION TO DRIVE-THRU BUMP.
- 12 CIRCUIT SERVING THIS DEVICE SHALL BE AUTOMATICALLY CONTROLLED. (SEE LIGHTING CONTROL DIAGRAM ON E-601).
- 13 (2) 1" PVC CONDUIT TO PATIO AREA FROM ELECTRICAL PANEL.

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Plans Examiner # PX3718

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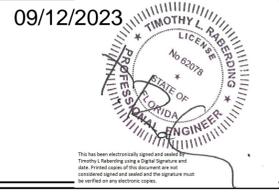


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FOR CONSTRUCTION

PROJECT NAME:
LECANTO HWY & NORVELL BRYANT

PROJECT ADDRESS:
**3159 W NORVELL BRYANT HWY
LECANTO, FL 34461**

STORE #: 78366
PROJECT #: 97107-001
ISSUE DATE: 09/06/2023
DESIGN MANAGER: RAI MONTERO
PRODUCTION DESIGNER: ANDY M.CLOUD
CHECKED BY: DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
ELECTRICAL SITE DETAILS
SCALE: AS INDICATED

SHEET NUMBER:
E-004.1

ELECTRICAL DESIGN PLAN NOTES

- A. REFER TO ELECTRICAL DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- B. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.
- C. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.
- D. ALL FUTURE EQUIPMENT NEEDED HEREIN SHALL BE PROVIDED WITH AN APPROPRIATE RECEPTACLE AND FULLY WIRED. EVEN IF NOT SPECIFICALLY INDICATED.
- E. GROUND FAULT CIRCUIT INTERRUPTER (GFCI) BREAKERS (NOT RECEPTACLES) SHALL BE UTILIZED WHERE REQUIRED BY CODE AND AT ANY FLOOR BOXES. PROVIDE DEDICATED NEUTRAL WIRE FOR ALL THESE CIRCUITS.
- F. EQUIPMENT REQUIRES CONNECTION TO THE BUILDING ELECTRICAL SYSTEM. FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRE, CONNECTIONS, RECEPTACLES AND OVERCURRENT PROTECTION NECESSARY TO ENSURE THE EQUIPMENT FUNCTIONS PROPERLY AND COMPLIES WITH ALL APPLICABLE LOCAL AND NATIONAL CODES. COORDINATE EQUIPMENT REQUIREMENTS WITH MANUFACTURER CUT SHEET PRIOR TO ROUGH-IN.
- G. ALL BACK BAR AND FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND ONE (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
- H. REFERENCE LANDLORD WORK LETTER FOR DIVISION OF ELECTRICAL SCOPE OF WORK AND COORDINATE WITH STARBUCKS CONSTRUCTION MANAGER.

DEVICE SCHEDULE

DEVICE ID	DESCRIPTION	NEMA	VOLTS	NOTES	QUANTITY
10075	CUP LABELER	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	4
10075Q	CUP LABELER	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	1
10267	1-DOOR UC REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE @ 26" AFF	7
10312	SERVER STAND	5-15	120V 1P 2W	PROVIDE (1) QUADREPLEX RECEPTACLE BELOW COUNTER FOR EVERY (4) SERVER STANDS (MAX)	1
10746	DUAL BREWER	14-50	208/120V 2P 3W	SEE DRAWING NOTE	1
10874	INSTA-HOT	5-20	120V 1P 2W	PROVIDE RECEPTACLE 26" AFF ON DEDICATED GFCI PROTECTED CIRCUIT.	1
11083	2-DOOR R-I REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE ON DEDICATED CIRCUIT @ 84" AFF	2
12508	BLENDER	5-15	120V 1P 2W	PROVIDE A DUPLEX FOR EACH BLENDER ON DEDICATED CIRCUIT. MOUNT DUPLEX UNDER COUNTER.	2
12618	1-DOOR UC REFRIGERATOR	5-15	120V 1P 2W	RECEPTACLE @ 26" AFF	2
13682	2-DOOR R-I FREEZER	5-20	120V 1P 2W	PROVIDE RECEPTACLE ON DEDICATED CIRCUIT @ 84" AFF	2
15186	SANITIZER	14-50R	208/120V 2P 3W		1
15749	INSTA-HOT	5-20	120V 1P 2W	PROVIDE QUAD RECEPTACLE 26" AFF ON DEDICATED GFCI PROTECTED CIRCUIT FOR INSTA-HOT AND U.C. REFRIGERATOR	3
16238	FOOD CASE		208/120V 2P 3W	PROVIDE HARDWIRED CONNECTIONS FOR REFRIGERATION AND LIGHTING. ROUTE 3/4" CONDUIT WITH 2#12 AND 1#12 GROUND TO PANEL.	1

DEVICE SCHEDULE

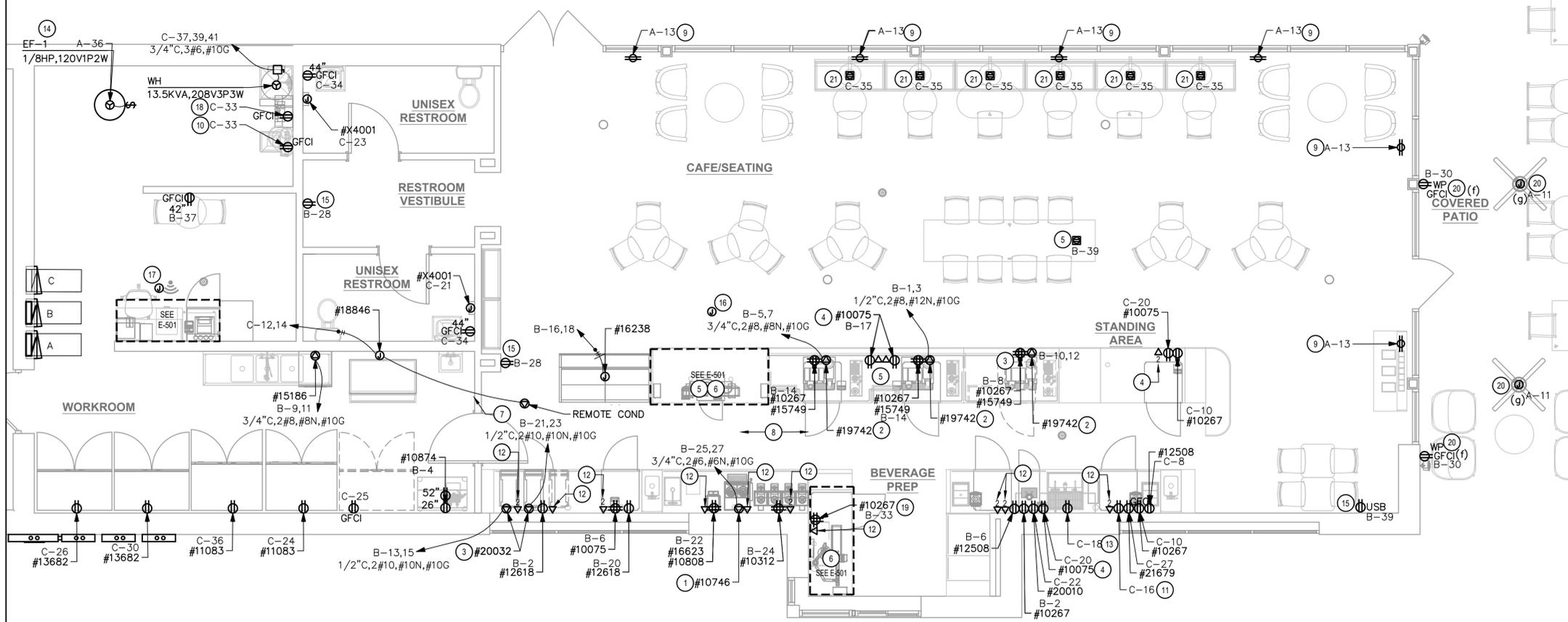
DEVICE ID	DESCRIPTION	NEMA	VOLTS	NOTES	QUANTITY
16623	DIGITAL SCALE & GRINDER	5-15	120V 1P 2W	PROVIDE RECEPTACLE BELOW COUNTER	1
18846	ICE MACHINE		208V 2P 2W	CONFIRM VOLTAGE CONFIGURATION PRIOR TO ROUGH IN. CONFIRM NEMA CONFIGURATION OF RECEPTACLE OR INSTALL J-BOX AS REQUIRED. CONDENSER UNIT WIRING RUN FROM TERMINAL BLOCK IN INDOOR UNIT TO CONDENSER IF APPLICABLE.	1
19742	ESPRESSO MACHINE	6-50	208/120V 2P 3W	VERIFY FINAL CONNECTION REQUIREMENTS WITH EQUIPMENT MFR	3
20010	1-DOOR UC REFRIGERATOR	5-15	120V 1P 2W	PROVIDE RECEPTACLE @ 26" AFF	1
20032	TURBOCHEF OVEN	6-30	208/120V 2P 3W	SEE DRAWING NOTE.	2
21679	NITROGEN GENERATOR	5-15	120V 1P 2W	PROVIDE 120V RECEPTACLE	1
X4001	SURFACE MTD HAND DRYER		120V 1P 2W	COORDINATE EXACT VOLTAGE/WIRING REQUIREMENTS WITH VENDOR AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.	2

GROUND FAULT PROTECTION NOTES:

PROVIDE GFCI PROTECTION AS REQUIRED BY NEC 210.8.
 CIRCUITS REQUIRING GFCI PROTECTION IDENTIFIED WITH * ON PANEL SCHEDULES (SEE E-601).
 ABOVE-COUNTER RECEPTACLES THAT ARE READILY ACCESSIBLE AND WITHIN REACH OF PARTNERS SHALL BE GFCI TYPE.
 BELOW-COUNTER RECEPTACLES, OR RECEPTACLES THAT ARE DIFFICULT TO REACH OR REQUIRE MOVING EQUIPMENT TO RESET, AND ARE NOT READILY ACCESSIBLE SHALL BE PROTECTED BY GFI CIRCUIT BREAKERS.
 WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, CONTACT CIRCUIT BREAKER MANUFACTURER AND PROVIDE GFCI TYPE CIRCUIT BREAKER THAT SERIES RATES WITH PANEL OVER CURRENT PROTECTION IF AVAILABLE.
 WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, AND GFCI BREAKERS ARE NOT AVAILABLE, PROVIDE DEAD-FRONT GFCIS (IN A READILY ACCESSIBLE LOCATION) TO SERVE RECEPTACLES THAT ARE NOT READILY ACCESSIBLE.

KEY NOTES

1. DUAL BREWER: PROVIDE NEMA 14-50R RECEPTACLE, HUBBELL HBL9450A SERIES OR EQUAL MOUNTED AT 48" AFF AND INSTALL NECESSARY CONDUIT, WIRE AND CONNECTIONS BACK TO SERVING PANEL. PROVIDE NEMA 14-50P ANGLED PLUG AND CORD, HUBBELL HBL9452C SERIES OR EQUAL.
2. ESPRESSO MACHINE: PROVIDE NEMA 6-50R RECEPTACLE, HUBBELL9367 SERIES OR EQUAL MOUNTED AT 30" AFF AND INSTALL NECESSARY CONDUIT, WIRE AND CONNECTIONS BACK TO SERVING PANEL. PROVIDE NEMA 6-50P ANGLED PLUG, HUBBELL HBL9368 SERIES OR EQUAL.
3. WARMING OVEN: PROVIDE NEMA 6-30R RECEPTACLE MOUNTED AT 26" AFF AND INSTALL NECESSARY CONDUIT, WIRE AND CONNECTIONS BACK TO SERVING PANEL.
4. CUP LABELER OR MOBILE ORDER PRINTER: PROVIDE RECEPTACLE AND BACKBOX FOR DATA OUTLET MOUNTED AT 26" AFF. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGER'S WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END.
5. FLOOR POWERDATA: SEE PENETRATION PLAN FOR EXACT DIMENSIONING OR LOCATION.
6. POS: FURNISH AND INSTALL DOUBLE-DUPLEX MOUNTED AT 18" AFF PROVIDE DEDICATED GROUND WIRE BACK TO SERVING PANEL. INSTALL (1) J-BOX FOR DATA OUTLET AND (1) J-BOX FOR PHONE OUTLET MOUNTED AT 18" AFF. SEE DETAILS ON E-501.
7. ALARM KEYPAD AND EMERGENCY CALL PHONE: MOUNT AT 54" AFF. ROUTE CONDUIT IN WALL FROM J-BOX AND STUB ABOVE CEILING.
8. ALL BACK BAR AND FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
9. PROVIDE 'SHOW WINDOW' RECEPTACLE FLUSH MOUNTED IN CEILING WITHIN 18" OF TOP OF WINDOW, 1 PER 12 LF OF WINDOW OR MAJOR FRACTION THEREOF (NEC 210.62).
10. WATER FILTER SYSTEM: PROVIDE GFCI RECEPTACLE MOUNTED AT 78" AFF IF APPLICABLE.
11. RECEPTACLE FOR FUTURE USE. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER'S REPRESENTATIVE.
12. DATA OUTLET FOR FUTURE USE: PROVIDE BACKBOX FOR DATA OUTLET MOUNTED AT 28" AFF. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGER'S WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END.
13. PROVIDE RECEPTACLE FOR RINSE SINK MOUNTED AT 26" AFF. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
14. EXHAUST FAN: SHALL BE CONNECTED TO EMS/LIGHTING CONTROL PANEL; FAN TO RUN CONTINUOUSLY DURING OCCUPIED MODE (SEE DETAIL 5 ON E-502). CONFIRM EXACT LOCATION WITH THE MECHANICAL CONTRACTOR.
15. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT(S) OF ALL CONVENIENCE RECEPTACLES WITH OWNER'S REPRESENTATIVE.
16. PROVIDE 4-SQUARE J-BOX FOR FRONT OF HOUSE STROBE LOCATION; SEE DETAIL ON E-501.
17. PROVIDE 4-SQUARE J-BOX FOR BACK OF HOUSE STROBE LOCATION; FIELD
18. PROVIDE DUPLEX, GFCI TYPE RECEPTACLE FOR RECIRC PUMP. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE.
19. PROVIDE DOUBLE DUPLEX RECEPTACLE FOR UNDER COUNTER REFRIGERATOR AND FUTURE USE; SEE DETAIL ON E-501.
20. SEE SHEET E-102 FOR SWITCHING DESIGNATIONS.
21. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS FOR BANQUETTE SEATING WITH OWNER'S REPRESENTATIVE.



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

Approved: Glenn Steele
Plans Examiner # PX3718

BLD202323715



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PRODUCTION DESIGNER: ANDY M'CLOUD
CHECKED BY: DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
ELECTRICAL DESIGN PLAN
SCALE: AS INDICATED

SHEET NUMBER:
E-101

TRACK SCHEDULE

DESIGN ID	QUANTITY	DESCRIPTION	RESP.	MODEL	LAMP	MAX WATTS
12947	2	TRACK - WITH CONNECTORS - 8FT - BLACK	GC-SB	TRACK: (2) JUNO R4BL END FEED CONN: (1) JUNO R38BL MINI CONNECTOR: (1) JUNO R23BL		0
12948	6	TRACK - WITH CONNECTORS - 16FT - BLACK	GC-SB	TRACK: (4) JUNO R4BL END FEED CONN: (1) JUNO R38BL MINI CONNECTOR: (3) JUNO R23BL ADJUSTABLE CONN: (1) JUNO R20BL		0
12949	3	TRACK - WITH CONNECTORS - 12FT - BLACK	GC-SB	TRACK: (3) JUNO R4BL END FEED CONN: (1) JUNO R38BL MINI CONNECTOR: (2) JUNO R23BL ADJUSTABLE CONN: (1) JUNO R20BL		0
15058	2	TRACK - WITH CONNECTORS - 6FT 183CM - BLACK	GC-SB	TRACK: (1) JUNO R4BL & (1) R2BL END FEED CONN: (1) JUNO R38BL MINI CONNECTOR: (3) JUNO R23BL ADJUSTABLE CONN: (1) JUNO R20BL		0
15059	2	TRACK - WITH CONNECTORS - 6FT 183CM - WHITE	GC-SB	TRACK: (1) JUNO R4WH & (1) R2WH END FEED CONN: (1) JUNO R38WH MINI CONNECTOR: (3) JUNO R23WH ADJUSTABLE CONN: (1) JUNO R20WH		0
21777	29	TRACK - LED FIXTURE WITH SNOOT - 3IN 75MM - BLACK - 1100LM SPOT	GC-SB	LEDRA #350440-13LM-30K-90CRI-20DEC-120-ELV-BK 350440/SNOOTBK	INTEGRAL LED	14

LIGHTING FIXTURE SCHEDULE 'L'

DESIGN ID	QUANTITY	DESCRIPTION	RESP.	MODEL	LAMP	MAX WATTS
19044	2	LED EXIT SIGN WITH EMERGENCY LIGHT - WHITE AND RED	GC-SB	NAVILITE #NXPCL3RWH	INTEGRAL LED	5
19047	3	LED EXIT SIGN WITH EMERGENCY LIGHT - BLACK AND GREEN	GC-SB	NAVILITE #NXPCL3GBL	INTEGRAL LED	5
19057	2	LED EMERGENCY LIGHT DOUBLE - BLACK	GC-SB	CONFIRM MODEL NUMBER WITH VENDOR	INTEGRAL LED	5
20748	2	SCONCE - KUZCO PLUTO TRIPLE - CHROME	GC-SB	CONFIRM MODEL NUMBER WITH VENDOR	INTEGRAL LED	15
21422	1	SOFT CONE PENDANT	GC-SB	REJUVINATION #A2373 - UNGLAZED TOAST-OIL-BUBBED BRONZE	(1) 6W	6
21769	36	CAN - LED ADJUSTABLE RECESSED - 3IN 75MM - BLACK - 800LM SPOT	GC-SB	LEDRA #NU3-RA-SW-13LM/12W-27K-90CRI-S20-120-DIM10-NC-BK-EM7 BATTERY BACKUP OPTION FOR FIXTURES WITH 'EM' DESIGNATION	INTEGRAL LED	12
21771	10	CAN - LED ADJUSTABLE RECESSED - 3IN 75MM - BLACK - 800LM FLOOD	GC-SB	LEDRA #NU3-RA-SW-13LM/12W-27K-90CRI-S35-120-DIM10-NC-BK-BK	INTEGRAL LED	12
21783	7 FT	TROFFER - LED RECESSED - 24X48IN - 600X1200MM - WHITE - 3900LM	GC-SB	ILP #PAN24-36WLED-U-35 EM12 BATTERY BACKUP OPTION FOR FIXTURES WITH 'EM' DESIGNATION	INTEGRAL LED	36
22215	44	LED STRIP - 4.6W/LF REFER TO ARCHITECTURAL SCHEDULE FOR QUANTITIES AND LENGTHS	GC-SB	CS ILLUMINATION #LL91STP-MO-27K-SL/NC-SL/NC-* -SEE ARCHITECTURAL DRAWINGS FOR LENGTHS	LED TAPE STRIP	4.6

RESPONSIBILITY LEGEND

SB	STARBUCKS
GC	GENERAL CONTRACTOR
VD	VENDOR
LL	LANDLORD

LIGHTING DESIGN PLAN NOTES

- ALL FIXTURES IN WORK ROOM, BACK AND FRONT LINE, ABOVE CONDIMENT CART, AND ANY OTHER AREAS WHERE EXPOSED FOOD, CLEAN EQUIPMENT OR UTENSILS, OR UNWRAPPED SINGLE SERVICE ITEMS WILL BE EXPOSED, SHALL HAVE SHATTERPROOF LAMPS IF THE FIXTURE IS NOT LENSED. ARCHITECT OF RECORD TO INCLUDE APPROPRIATE LAMPS / FIXTURES ON DRAWINGS AND SCHEDULES, AND COMPLY WITH ANY ADDITIONAL JURISDICTIONAL LIGHTING REQUIREMENT.
- PROVIDE GROMMET AT ALL CEILING PENETRATIONS FOR FIXTURES/SUPPORTS.
- CENTER EMERGENCY/EXIT LIGHTS ABOVE DOORS, UNLESS OTHERWISE NOTED.
- ADJUST FOCUS OF ALL TRACK AND RECESSED DIRECTIONAL LIGHTING TO FULLY ILLUMINATE ALL ARTWORK, MENU BOARDS, AND MERCHANDISE BAYS.
- IF PENDANT CYLINDERS CAN SUSPENDED LENGTH EXCEEDS 48" (1220MM) FROM CEILING, REPLACE WITH SURFACE MOUNTED CYLINDER CANS AND SUSPEND WITH GENERAL CONTRACTOR SUPPLIED CONDUIT AND J-BOX TO DIMENSIONED HEIGHT.
- REFER TO POWER PLAN FOR PANELBOARD LOCATIONS.



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KEY NOTES

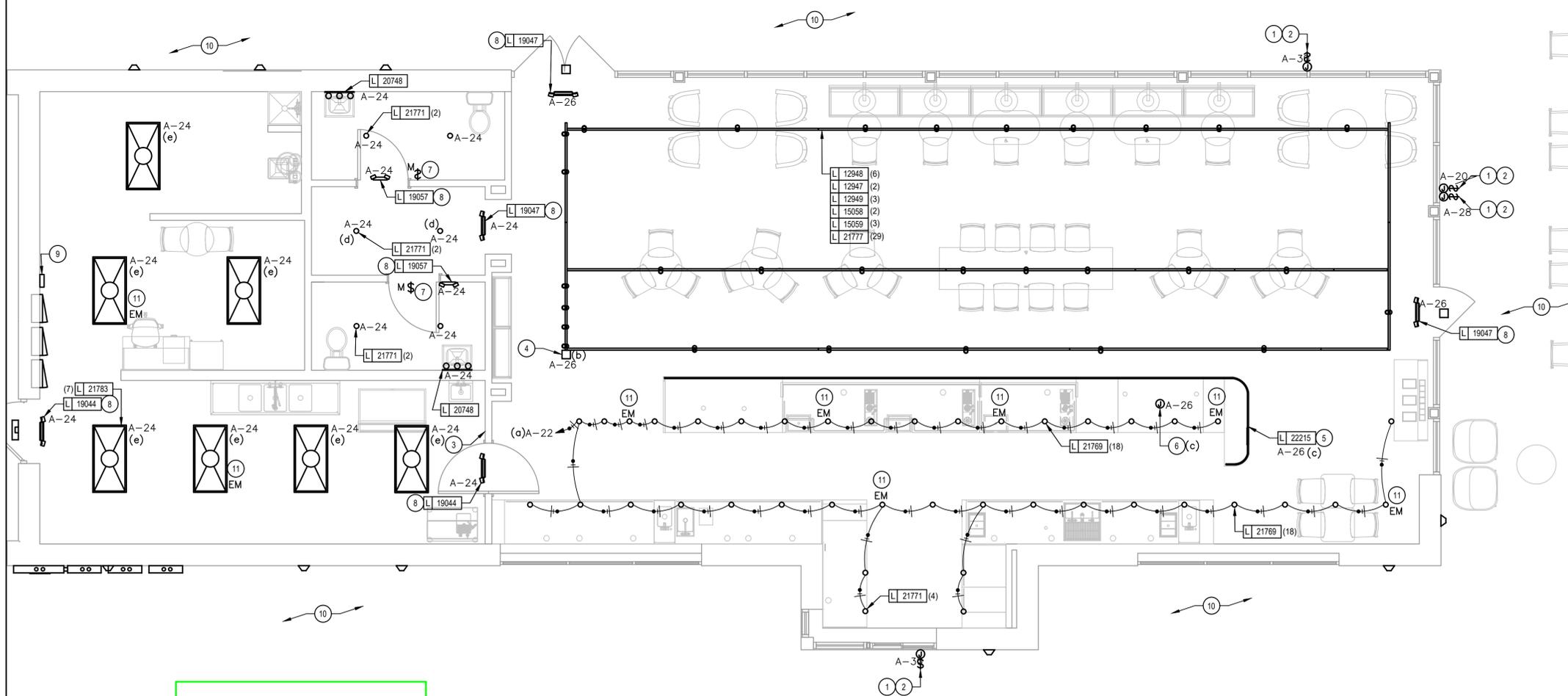
- ELECTRICAL CONTRACTOR TO VERIFY THAT A WEATHERPROOF SWITCH IS PROVIDED BY THE SIGN COMPANY. IF NOT ONE MUST BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR TO PROVIDE DIRECT ACCESSIBLE POWER FOR ALL ELECTRICAL SIGNAGE WITHIN 6'-0" OF THE SIGN LOCATION PROVIDE CONDUIT AND STUB THRU WALL, J-BOX AND ANY REQUIRED O.C.P. CIRCUIT THROUGH NEW LIGHTING CONTROL PANEL (SEE DETAILS ON E-502 AND E-601).
- SWITCH BANK LOCATION: SEE CONTROL ZONE DETAIL ON THIS SHEET AND LIGHTING CONTROL DIAGRAM ON E-601. SWITCHES SHALL SERVE AS LOCAL OFF SWITCH.
- PROVIDE 4A CURRENT LIMITING DEVICE (CLD) #RCLF11WH-TCL4WH. ALL SALES/SEATING TRACK SHALL BE CIRCUITED VIA THIS CLD.
- LED LIGHT STRIP: REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL MOUNTING INFORMATION.
- PROVIDE 120V CONNECTION TO MOP SIGNAGE; CONTROL WITH ACCENT LIGHTS.
- WALL MOUNTED OCCUPANCY SENSOR (LEVITON IPS02 1LW) SHALL CONTROL THE LIGHTS IN THIS ROOM. SET FOR 5 MINUTE TIME DELAY.
- EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE CIRCUITED TO LOCAL CIRCUIT AHEAD OF ANY CONTROLS.
- LOCATION OF LIGHTING CONTROL PANEL (SEE CONTROL ZONE SCHEDULE THIS SHEET AND DETAILS ON E-502 AND E-601).
- EXISTING EXTERIOR NORMAL AND EMERGENCY EGRESS LIGHTING TO REMAIN: MAINTAIN EXISTING CIRCUITING AND CONTROLS.
- PROVIDE BATTERY BACKUP FOR TROFFER AND CANS MARKED WITH 'EM' DESIGNATION TO BE USED AS EMERGENCY LIGHTING IN EVENT OF POWER LOSS. SEE LIGHTING SCHEDULE FOR BATTERY BACKUP ORDERING CODE.

CONTROL ZONE SCHEDULE

a - BACK BAR/PREP AREA	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
b - SALES/SEATING TRACK LIGHTS*	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
c - ACCENT LIGHTS*	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
d - RR VESTIBULE LIGHTS	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
e - BACK OF HOUSE	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
f - EXTERIOR RECEPTACLES	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
g - PATIO FANS	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ
h - 2 HR MAX TIMED OVERRIDE	\$ ^a	\$ ^b	\$ ^c	\$ ^d	\$ ^e	\$ ^f	\$ ^g	\$ ^h	\$ ⁱ

* - PROVIDE COMPATIBLE DIMMER FOR SALES/SEATING TRACK LIGHTING (COORDINATE DIMMER REQUIREMENTS WITH VENDOR)

2 LIGHTING SWITCHBANK DETAIL



Approved: Glenn Steele
Plans Examiner # PX3718

BLD202323715

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

FOR CONSTRUCTION

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ISSUE DATE: 09/06/2023
DESIGN MANAGER: RAI MONTERO
PRODUCTION DESIGNER: ANDY MCLLOUD
CHECKED BY: DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
LIGHTING DESIGN PLAN
SCALE: AS INDICATED

SHEET NUMBER:
E-102



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Revision Schedule		
Rev	Date	Description

SHEET TITLE:
LOW VOLTAGE DESIGN PLAN
SCALE: AS INDICATED

SHEET NUMBER:
E-103

DATA DEVICE SCHEDULE - "A"

DESIGN ID	COUNT	DESCRIPTION	FURN. BY	INST. BY	COMMENTS
AUDIO VISUAL					
10005	1	MUSIC SYSTEM	SB	GC	
10010	1	DT ORDER MONITOR	SB	GC	
10012	1	DT COMMUNICATION SYSTEM	SB	GC	
10013	4	DT QUEUE CAMERA	SB	GC	
10015	3	SPEAKER RECESSED - WHITE	SB	GC	
12336	1	DT TIMER SYSTEM	SB	GC	
14676	1	DT POS MONITOR ARM DOUBLE SURFACE MOUNTED	SB	GC	
19339	1	AMPLIFIER - 40W	SB	GC	
DATA					
10000	1	PHONE 1 LINE	SB	GC	@ POS
10002	1	COMPUTER MANAGER WORKSTATION	SB	GC	
10007	1	PRINTER MANAGER WORKSTATION	SB	GC	
18744	1	EQUIPMENT RACK WITH LOCK - 24IN 610MM	SB	GC	
20294	4	IOT MODULE	SB	GC	
POINT OF SALE					
10008	2	POS - REGISTER WITH COMPACT CASH DRAWER	SB	GC	
10014	4	POS PRINTER	SB	GC	
10022	1	MONEY COUNTER	SB	GC	
10029	6	POS BANK	SB	GC	
10075	4	CUP LABELER	SB	GC	
14677	1	POS - DT TENDERING REGISTER	SB	GC	PART OF RETAIL IT EQUIPMENT PACKAGE
14678	1	POS - DT EXPEDITOR	SB	GC	PART OF RETAIL IT EQUIPMENT PACKAGE
SECURITY					
10024	1	SAFE LH - 20X18X26IN 510X455X660MM	SB	GC	
10028	1	SAFE BASE	SB	GC	

RESPONSIBILITY LEGEND

- SB-GC FURNISHED BY STARBUCKS - INSTALLED BY GENERAL CONTRACTOR
- SB-SB FURNISHED BY STARBUCKS - INSTALLED BY STARBUCKS
- GC-GC FURNISHED BY GENERAL CONTRACTOR - INSTALLED BY GENERAL CONTRACTOR
- LL-LL FURNISHED BY LANDLORD - INSTALLED BY LANDLORD

NOTE: ALL RESPONSIBILITIES TO BE CONFIRMED WITH STARBUCKS DESIGN MANAGER PRIOR TO ORDERING/CONSTRUCTION.

SECURITY NOTES

- ENTRY CAMERA: CAPTURE ENTRY DOORWAY AND CUSTOMER TOP OF HEAD TO KNEES. PROVIDE (1) CAMERA AT EACH ENTRY.
- POS CAMERA: PRIMARY OBJECTIVE IS CUSTOMER; SECONDARY IS TRANSACTION PLANE. CAPTURE MULTIPLE POS LOCATIONS.
- SAFE CAMERA: POSITION TO VIEW FROM HANDLE SIDE OF DOOR. POS CAMERA CAN BE USED WHEN SAFE IS LOCATED BELOW TERMINALS.
- DRIVE THRU CAMERA: PRIMARY OBJECTIVE IS CUSTOMER; SECONDARY IS POS. IDEAL PLACEMENT WOULD CAPTURE BOTH.
- BOH CAMERA: CAPTURES CASH HANDLING.
- CARBON MONOXIDE: AT LEAST ONE CARBON MONOXIDE (CO) DETECTOR TO BE LOCATED IN THE BACK OF HOUSE. PROVIDE SECOND DETECTOR IN CAFE IF SPACE INCLUDES A FIREPLACE.

MUSIC SYSTEM NOTES

- GC SHALL INSTALL SPEAKERS AND WIRING PER DRAWING.
- SPEAKER PLACEMENT: LOCATE (1) PER 250 SF OF CAFE SPACE @ 14'-0" MIN TO 18'-0" MAX (4267-5488MM) O.C.
- SPEAKER PAINTING: SPEAKER GRILLS CAN BE PAINTED. NOTE: GRILL HOLES SHALL REMAIN OPEN.
- G.C. SHALL INSTALL MUSIC SYSTEM, CONNECT WIRING, AND TEST.

ELECTRICAL DESIGN PLAN NOTES

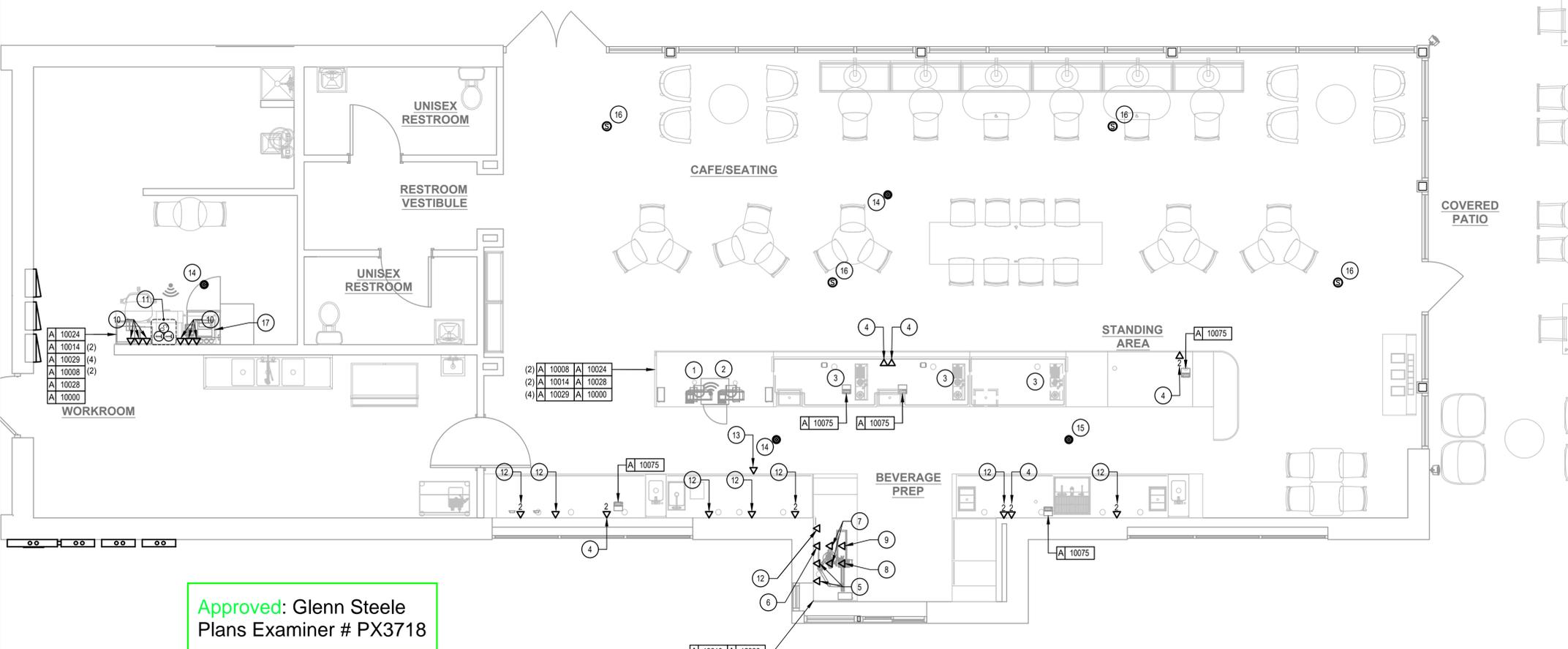
- FURNISH AND INSTALL A COMPLETE AND OPERATING SYSTEM. ALL ITEMS ARE NOT NECESSARILY SHOWN.
- ELECTRICAL CONTRACTOR RESPONSIBLE FOR SITE INVESTIGATION PRIOR TO START OF WORK TO REVEAL FULL SCOPE OF WORK.
- DIMENSIONS ARE TO FINISH FACE UNLESS OTHERWISE NOTED.
- REFER TO DETAIL SHEETS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL DEVICES.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL VOLTAGE REQUIREMENTS ON ALL EQUIPMENT AND PROVIDING BUCK-BOOST TRANSFORMERS AS MAY BE NEEDED FOR CODE. ALL ARE NOT NECESSARILY INDICATED.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING AND HEATING, VENTILATING, AND AIR CONDITIONING (HVAC) CONTRACTORS FOR ANY ADDITIONAL EQUIPMENT NEEDING POWER.
- ALL FUTURE EQUIPMENT NEEDED HEREIN SHALL BE PROVIDED WITH AN APPROPRIATE RECEPTACLE AND FULLY WIRED, EVEN IF NOT SPECIFICALLY INDICATED.
- GROUND FAULT CIRCUIT INTERRUPTER (GFCI) BREAKERS (NOT RECEPTACLES) SHALL BE UTILIZED WHERE REQUIRED BY CODE AND AT ANY FLOOR BOXES. PROVIDE DEDICATED NEUTRAL WIRE FOR ALL THESE CIRCUITS.
- EQUIPMENT REQUIRES CONNECTION TO THE BUILDING ELECTRICAL SYSTEM. FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRE, CONNECTIONS, RECEPTACLES AND OVERCURRENT PROTECTION NECESSARY TO ENSURE THE EQUIPMENT FUNCTIONED PROPERLY AND COMPLIES WITH ALL APPLICABLE LOCAL AND NATIONAL CODES. COORDINATE EQUIPMENT REQUIREMENTS WITH MANUFACTURER CUT SHEET PRIOR TO ROUGH-IN.
- ALL BACK BAR AND FRONT BAR J-BOXES AND OUTLETS SHALL BE SURFACE MOUNTED. PROVIDE CONDUITS AS NEEDED AND (1) ADDITIONAL SPARE CONDUIT BETWEEN ALL J-BOXES FOR FUTURE ELECTRICAL REQUIREMENTS. ALL J-BOXES SHALL BE POSITIONED TO AVOID OBSTRUCTION OF ANY EQUIPMENT SUCH AS REFRIGERATORS AND DISHWASHERS.
- STUB-UP POWER, DATA, AND PHONE CONDUITS 6" AFF IN THIS LOCATION. ROUTE POWER CONDUCTORS IN FLEXIBLE METAL CONDUIT TIGHT TO WALL FROM RECEPTACLES TO NEARBY RIGID STUB-UP AND BACK TO SERVING POWER PANEL. ROUTE DATA AND PHONE CONDUITS UNDER FLOOR BACK TO DATA RACK NEAR MANAGER'S WORKSTATION. LABEL DATA AND PHONE CONDUITS "FOR DATA CABLING". PROVIDE INSULATED BUSHINGS, AND PROVIDE PULL STRING FROM END TO END.
- COORDINATE ALL CONCRETE TRENCHING/CORE DRILLING TO ENSURE THAT ANY UNDER SLAB UTILITIES, ETC., ARE NOT DAMAGED DURING FLOOR CUT AND OR CORE DRILLING. PRIOR APPROVAL AND COORDINATION WITH PROPERTY MANAGEMENT IS REQUIRED FOR ALL CONCRETE WORK. EC SHALL PROVIDE PATCHING/REPAIR TO CONCRETE AND VAPOR BARRIER AS REQUIRED.

KEY NOTES

- SAFE: PROVIDE RECEPTACLE ON DEDICATED CIRCUIT. ADJACENT TO RECEPTACLE. PROVIDE J-BOX FOR SECURITY ALARM JACK AND ROUTE CONDUIT BACK TO SECURITY PANEL J-BOX. REFER TO MANAGER'S DESK DETAIL AND POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- POS: PROVIDE RECEPTACLE ON DEDICATED CIRCUIT. ADJACENT TO RECEPTACLE. PROVIDE J-BOXES FOR TELEPHONE AND DATA. ROUTE CONDUIT(S) BACK TO MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL AND POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- STUB UP POWER, DATA PHONE AND/OR SECURITY CONDUITS 6" AFF TO SERVE NEARBY DEVICES IN THIS LOCATION. ROUTE POWER CONDUCTORS IN FLEXIBLE METAL CONDUIT CONCEALED OR TIGHT-TO-WALL FROM RECEPTACLES TO NEARBY RIGID STUB UP AND BACK TO SERVING POWER PANEL. ROUTE DATA, PHONE AND SAFE CONDUITS UNDER FLOOR BACK TO DATA RACK NEAR MANAGER WORKSTATION. PROVIDE AN END-TO-END PULL STRING IN ALL DATA PHONE AND SAFE CONDUITS. LABEL EACH END OF PULL STRING WITH CONDUIT SYSTEM ("POS", "SECURITY", ETC.) AND DESTINATION ("DRIVE-THRU", "FRONT BAR", ETC.). PROVIDE INSULATED BUSHINGS ON ALL STUBBED-UP AND EXPOSED CONDUIT ENDS. REFER TO ARCHITECTURAL PENETRATION PLAN FOR ADDITIONAL INFORMATION.
- CUP LABELER AND/OR MOBILE ORDER PRINTER: PROVIDE RECEPTACLE AND ADJACENT DATA BACKBOX AT SAME MOUNTING HEIGHT - COORDINATE LOCATION AND MOUNTING HEIGHT WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH IN. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGER'S WORKSTATION.
- DT POS AND EXPEDITOR TILL MONITOR: PROVIDE DOUBLE DUPLEX RECEPTACLE ON DEDICATED CIRCUIT. ADJACENT TO RECEPTACLE. PROVIDE J-BOX FOR DATA. ROUTE CONDUIT BACK TO MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL AND DRIVE-THRU POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- DT EXPEDITOR MONITOR: PROVIDE DOUBLE DUPLEX RECEPTACLE. ADJACENT TO RECEPTACLE. PROVIDE J-BOX FOR DATA. ROUTE CONDUIT BACK TO MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL AND DRIVE-THRU POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- DT TIMER CONTROL UNIT AND MONITOR: PROVIDE DOUBLE DUPLEX RECEPTACLE. ADJACENT TO RECEPTACLE. PROVIDE J-BOX FOR DATA. ROUTE CONDUIT BACK TO MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL AND DRIVE-THRU POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- DT TIMER SIGNAL PROCESSOR: PROVIDE DUPLEX RECEPTACLE. ADJACENT TO RECEPTACLE. PROVIDE J-BOX FOR DATA. ROUTE CONDUIT BACK TO MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL AND DRIVE-THRU POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- WIRELESS HEADSET BASE STATION: PROVIDE DUPLEX RECEPTACLE. ADJACENT TO RECEPTACLE. PROVIDE J-BOX FOR DATA. ROUTE CONDUIT BACK TO MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL AND DRIVE-THRU POS DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- TELEPHONE AND DATA OUTLETS FOR MANAGER'S DESK. REFER TO MANAGER'S DESK DETAIL ON E-501 FOR ADDITIONAL INFORMATION.
- CARBON MONOXIDE DETECTOR AND THERMOSTATS FOR ROOF TOP HVAC UNITS. COORDINATE INSTALLATION AND CONNECTION WITH MECHANICAL CONTRACTOR. COORDINATE LOCATION(S) WITH OWNER'S REPRESENTATIVE. VERIFY LOCATIONS/CONNECTIONS PRIOR TO INSTALLATION.
- DATA OUTLET FOR FUTURE USE: PROVIDE BACKBOX MOUNTED AT 26" AFF. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGER'S WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END.
- PROVIDE RECEPTACLE AND DATA OUTLET CENTERED HORIZONTALLY BEHIND MENU BOARD FOR FUTURE DIGITAL MENU BOARD. PROVIDE BACKBOX FOR DATA OUTLET. ROUTE 3/4" CONDUIT FROM BACKBOX TO DATA RACK NEAR MANAGER'S WORK STATION. LABEL CONDUIT FOR DATA CABLING AND PROVIDE PULL STRING FROM END TO END. SEE INTERIOR ELEVATIONS FOR MENU BOARD LOCATIONS.
- SECURITY CAMERA: CEILING MOUNT TYPICAL; IN OPEN CEILING CONDITION. LOCATE B.O. CAMERA AT SAME HEIGHT AS STORE LIGHTING.
- DRIVE THRU CAMERA: LOCATE 6'-0" TO 8'-0" (1825-2440MM) FROM WINDOW WITH CLEAR VIEW OF CUSTOMER AND DT POS.
- RECESSED SPEAKER. COLOR: WHITE.
- AMPLIFIER: LOCATE ON SHELVING ABOVE MANAGER'S WORKSTATION (SEE DETAIL ON E-501).

ELECTRICAL SYMBOLS LEGEND

- ▼ TELEPHONE
- ▼ DATA
- Ⓜ THERMOSTAT
- Ⓢ CARBON MONOXIDE MONITOR
- SECURITY CAMERA
- Ⓢ SPEAKER
- Ⓢ JUNCTION BOX



1 LOW VOLTAGE PLAN
SCALE: 1/4" = 1'-0"

Approved: Glenn Steele
Plans Examiner # PX3718

BLD202323715

A 10010	A 12336
A 10012	A 14676
A 10014	A 14677
(2) A 10029	A 14678



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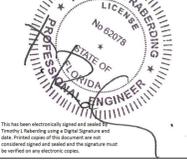
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Timothy L. Raebderg, PE
Professional Engineer

09/12/2023



PROJECT NAME:
LECANTO HWY & NORVELL BRYANT

PROJECT ADDRESS:
**3159 W NORVELL BRYANT HWY
LECANTO, FL 34461**

STORE #: 78366
PROJECT #: 97107-001
ISSUE DATE: 09/06/2023
DESIGN MANAGER: RAI MONTERO
PRODUCTION DESIGNER: ANDY MCLOUD
CHECKED BY: DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
ELECTRICAL DETAILS

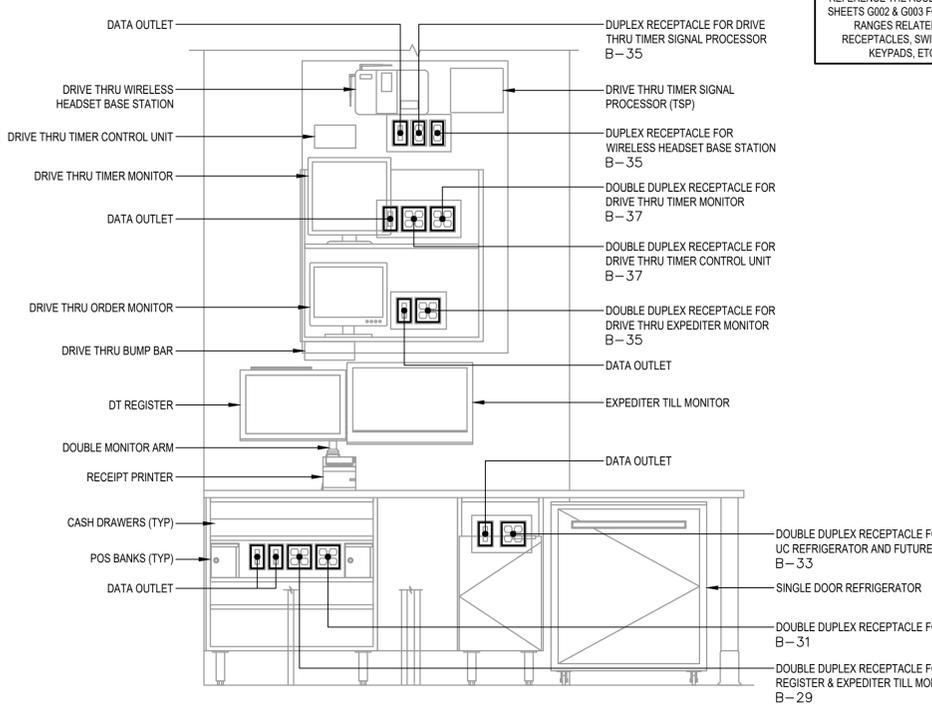
SCALE: AS INDICATED

SHEET NUMBER:
E-501

FOR CONSTRUCTION

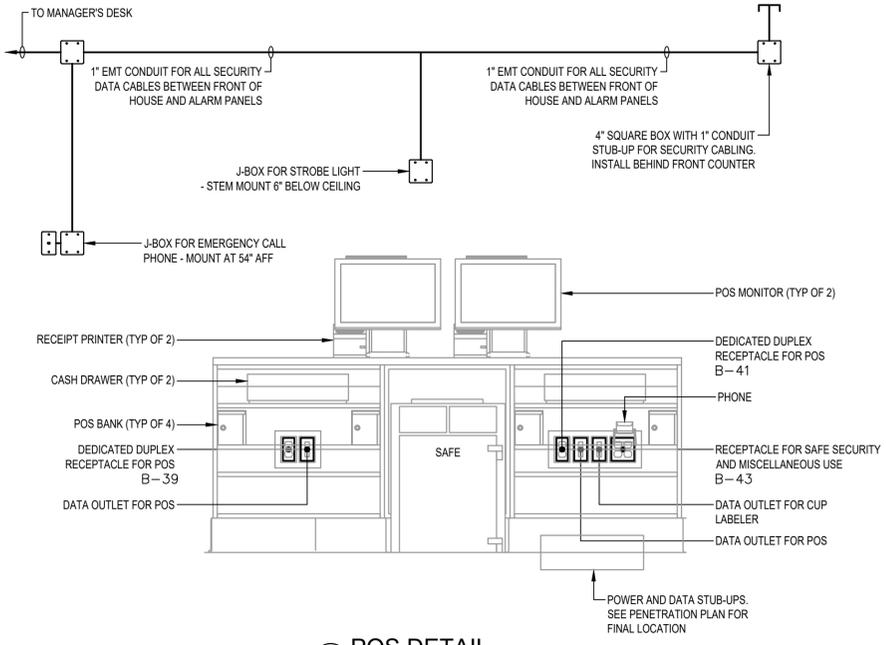
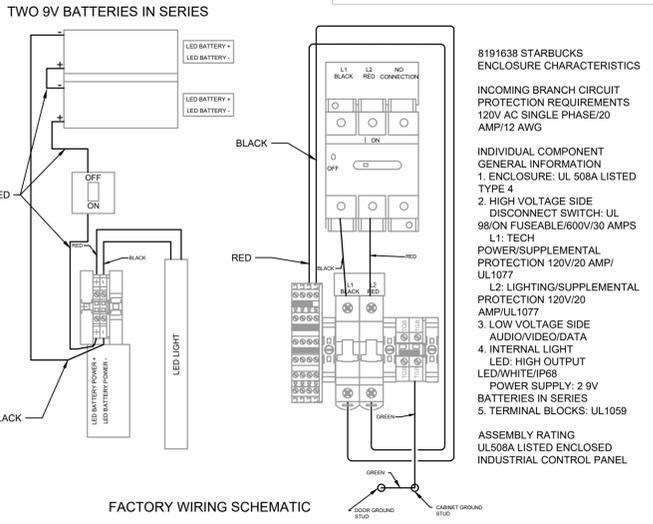
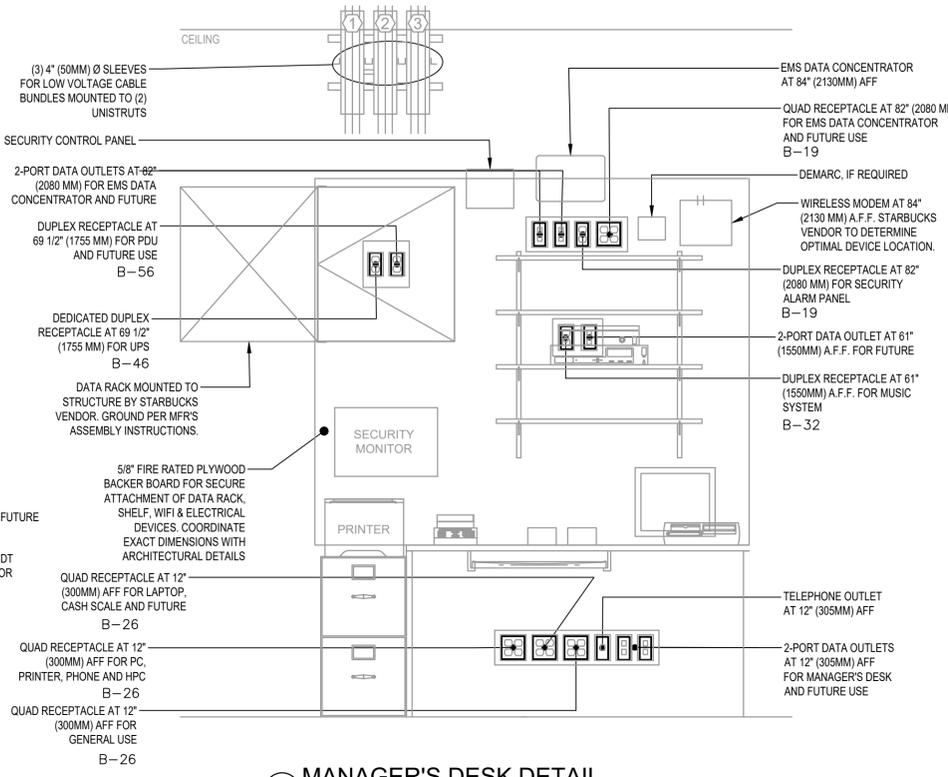
REFERENCE THE ACCESSIBILITY SHEETS G002 & G003 FOR REACH RANGES RELATED TO RECEPTACLES, SWITCHES, KEYPADS, ETC.

LOW VOLTAGE CABLE BUNDLES		
① POS	② SECURITY	③ MUSIC
HIGH SPEED INTERNET	SECURITY PANEL	PLAY NETWORK
DEMARC EXTENSION	FUTURE USE	SPEAKERS
POS LAN	-----	-----
DT TIMER	-----	-----



Approved: Glenn Steele
Plans Examiner # PX3718

BLD202323715

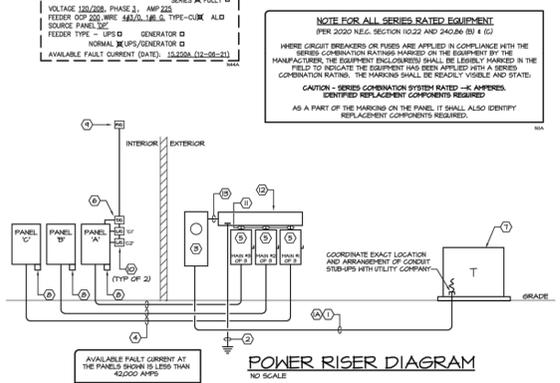


ALL SERVICE EQUIPMENT, PANELS, FEEDERS, ETC. ARE EXISTING TO REMAIN UNDER SEPARATE PERMIT. RISER DIAGRAM IS SHOWN HERE FOR REFERENCE.

NOTICE
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ARG PLASH LABELS AS REQUIRED BY NFPA TO NEG-1036 AND PERSONAL PROTECTIVE EQUIPMENT (PPE) RATING PLACARDS PER NFPA 70E FOR ALL NEH PANELS, SWITCHES AND DEVICES.
CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FIELD MARKING PANELBOARDS AND SWITCHGEAR WITH THE AVAILABLE FAULT CURRENT AND THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED PER NFPA 70E, TABLE 110.2.

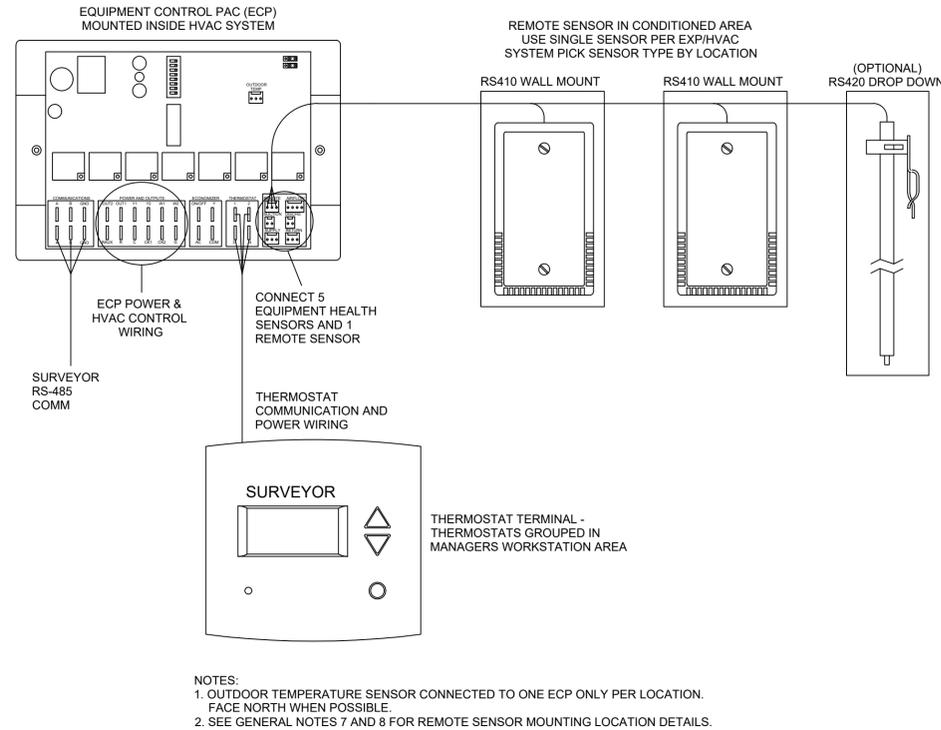
PROVIDE PLACARD AS FOLLOWS FOR EACH NEH PANEL:
PANEL: _____ A.I.C. RATING _____ SERIES _____ FAULT CURRENT _____
VOLTAGE _____ PHASE _____ AMP _____ TYPE-CIRCUIT _____
FEEDER COP _____ FEEDER TYPE _____ GENERATOR _____
NORMAL UPS/GENERATOR _____
AVAILABLE FAULT CURRENT (DATE): _____

- NOTES**
- (1) (2) SETS OF 3" CONDUITS WITH (4) #10 CU IN EACH.
 - (3) DESIGN ALTERNATE CONTRACTOR SHALL PROVIDE A DESIGN ALTERNATE TO THE ALUMINUM IN USE OF COPPER, AS FOLLOWS:
 - (4) #10 CU AND (3) #6 ESB IN 2-1/2" CONDUIT.
 - (5) 3-PH, 4-W SERVICE ENTRANCE RATED NEMA 3R, 200A, FUSED DISCONNECT FUSED AT 200 AMP, HEAVY DUTY SWITCH WITH SOLID NEUTRAL, CLASS 17 FUSES, DISCONNECT SHALL BE LOCKABLE IN THE ON OR OFF POSITIONS.
 - (6) TIME CLOCK, SEE DETAIL THIS SHEET.
 - (7) NEH 3-PH, 120/208V, PAD MOUNTED TRANSFORMER, SEE ELECTRICAL SITE PLAN SHEET E12.
 - (8) LIGHTNING SURGE SUPPRESSOR, EQUAL TO SURGE SUPPRESSION INC. STM-300-375-1P 120/208V, 3-PHASE, 5 WIRE WITH FUSH MOUNTED PLATE, SEE WIRING DETAIL THIS SHEET.
 - (9) PHOTOCELL (20V) MOUNTED ON ROOF FACING NORTH, SEE CONTROL DETAIL THIS SHEET.
 - (10) ELECTRICALLY FIELD & POLE FLUSH MOUNTED LIGHTING CONTRACTOR EQUAL TO SQUARE D, LF-90-102, TO CONTROL EXTERIOR LIGHTING, SEE CONTROL DETAIL THIS SHEET.
 - (11) (4) #10 CU AND (1) #10 LINE SIDE BONDING JUMPER IN 2-1/2" CONDUIT.
 - (12) CONDUIT LENGTH AS REQUIRED FOR WIRING, PROVIDE POLARIS TYPE CONNECTORS INCLUDING NEUTRAL AND GROUND.
 - (13) (2) SETS OF 3" CONDUITS WITH (4) #10 CU AND (1) #10 LINE SIDE BONDING JUMPER IN EACH.



5 RISER DIAGRAM
Scale: NONE

GEC = GROUNDING ELECTRODE CONDUCTOR
SBJ = SYSTEM BONDING JUMPER
EGC = EQUIPMENT GROUNDING CONDUCTOR



NOTES:
 1. OUTDOOR TEMPERATURE SENSOR CONNECTED TO ONE ECP ONLY PER LOCATION. FACE NORTH WHEN POSSIBLE.
 2. SEE GENERAL NOTES 7 AND 8 FOR REMOTE SENSOR MOUNTING LOCATION DETAILS.

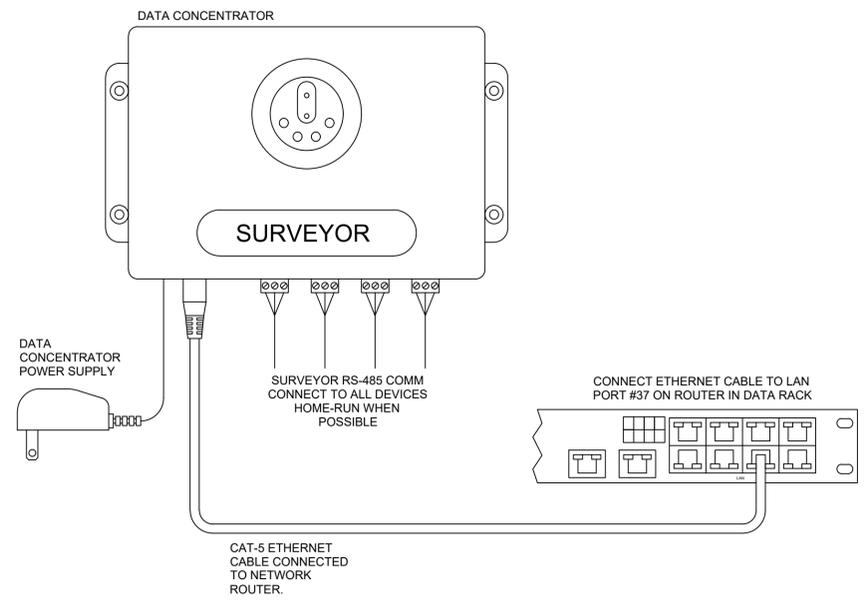
3 Venstar EMS - No Lighting Control - HVAC Controls
 Scale: 6" = 1'-0"

GENERAL NOTES

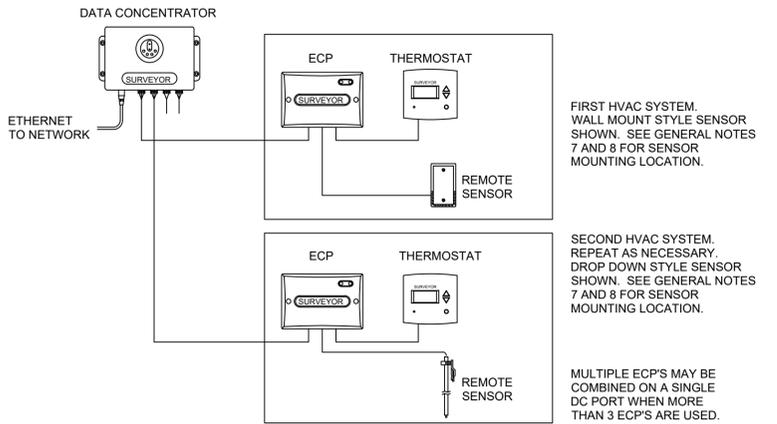
1. SURVEYOR ENERGY MANAGEMENT SYSTEM HARDWARE IS SUPPLIED BY STARBUCKS.
2. DRAWING FOR GENERAL INFORMATION, DESIGN INTENT, AND COORDINATION ONLY.
3. LOCAL BUILDING CODES TAKE PRECEDENCE OVER THIS DOCUMENT.
4. NOT ALL WIRING IS SHOWN ON THIS DRAWING. FOR CLARITY, ONLY ONE EXAMPLE OF EACH TYPE OF DEVICE IS SHOWN.
5. REFER TO THE SURVEYOR INSTALLATION INSTRUCTIONS FOR EACH COMPONENT FOR DETAILED WIRING AND ADDITIONAL CRITICAL INFORMATION.
6. CAUTION! INSTALLATION REQUIRES THE REMOVAL OF SAFETY COVERS AND EXPOSE THE INSTALLER TO HIGH VOLTAGE AND ELECTRICAL HAZARDS. USE OF A LICENSED ELECTRICIAN IS REQUIRED. FOLLOW ALL APPROPRIATE SAFETY PRECAUTIONS. ADDITIONAL SAFETY INFORMATION IS IN THE SURVEYOR INSTALLATION MANUALS.
7. WALL MOUNTED REMOTE SENSOR IS MOUNTED ON WALL 4 TO 5 FT AFF. AVOID AREAS WITH DIRECT AIRFLOW FROM SUPPLY REGISTERS.
8. USE A DROP DOWN SENSOR IF A WALL MOUNT SENSOR CANNOT BE INSTALLED DUE TO SPACE CONSTRAINTS (SEE NOTE 7 FOR REQUIREMENTS). THE SENSOR CLIPS TO THE T-BAR GRID AND ADJUSTED SO THE BOTTOM OF THE SENSOR IS 8 TO 9 FT AFF. ALLOW 2 FT OF CLEARANCE FROM METRO SHELVING AND AVOID AREAS WITH DIRECT AIRFLOW FROM SUPPLY REGISTERS.
9. FOR SURVEYOR EMS TECHNICAL SUPPORT AND SYSTEM COMMISSIONING, CONTACT SURVEYOR TECHNICAL SUPPORT, (855) 647-7660, OPTION 1 OR EMAIL INSTALLSUPPORT@VENSTAR.COM. HOURS 8:00 AM TO 8:00 PM PACIFIC, MON-FRI.

SURVEYOR EMS COMPONENTS			
VENSTAR PART	SBUX ITEM #	DESCRIPTION	QUANTITY
DC400	011029485	DATA CONCENTRATOR	1
OTS400	011029487	OUTDOOR TEMPERATURE SENSOR	1
ECP400	011029489	EQUIPMENT CONTROL PAC	1 PER HVAC
CT414	011029490	COMMUNICATING THERMOSTAT	1 PER HVAC
SP400	011029491	SENSOR PAC	1 PER HVAC
RS410	011029492	WALL MOUNT REMOTE SENSOR	1 PER FOH HVAC
OPTIONAL RS420	011050767	NARROW DROP DOWN SENSOR	1 PER BOH HVAC

Approved: Glenn Steele
 Plans Examiner # PX3718
 BLD202323715



2 Venstar EMS - No Lighting Control - Data Concentrator
 Scale: 6" = 1'-0"



1 Venstar EMS - No Lighting Control - Basic Low Voltage Wire Runs
 Scale: 6" = 1'-0"

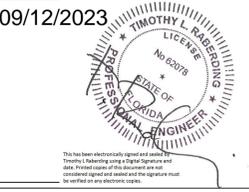


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 Professional Engineer



FOR CONSTRUCTION

PROJECT NAME:
LECANTO HWY & NORVELL BRYANT
 PROJECT ADDRESS:
**3159 W NORVELL BRYANT HWY
 LECANTO, FL 34461**

STORE #: 78366
 PROJECT #: 97107-001
 ISSUE DATE: 09/06/2023
 DESIGN MANAGER: RAI MONTERO
 PRODUCTION DESIGNER: ANDY MCLLOUD
 CHECKED BY: DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
ELECTRICAL DETAILS - ENERGY MANAGEMENT SYSTEM
 SCALE: AS INDICATED

SHEET NUMBER:
E-502



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Timothy L. Rabarding, PE
Professional Engineer

09/12/2023



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STORE #: 78366
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DESIGN MANAGER: RAI MONTERO
PRODUCTION DESIGNER: ANDY MCLLOUD
CHECKED BY: DONALD RETHMAN

Revision Schedule		
Rev	Date	Description

SHEET TITLE:
PANELBOARD SCHEDULES
SCALE: AS INDICATED

SHEET NUMBER:
E-601

FOR CONSTRUCTION

INSTALL LOCK OFF PROVISIONS FOR CIRCUIT BREAKERS SERVING HAND DRYERS PER NEC 422.31(B)

PROVIDE ARC-FLASH HAZARD WARNINGS TO METER ENCLOSURES, PANELBOARDS, DISCONNECTING MEANS, ETC PER NEC 110.16 AND 110.21(B)

INSTALL LOCK OFF PROVISIONS FOR CIRCUIT BREAKERS SERVING BAKERY CASE PER NEC 422.31(B)

C										
ROOM MOUNTING RECESSED FED FROM	RECEIVED SERV DISC C	VOLTS 208Y/120V 3P 4W	BUS AMPS 225	NEUTRAL 100%	AIC 42,000	MAIN BKR 225	LUGS STANDARD			
CKT #	CIRCUIT DESCRIPTION	A	B	C	CKT BKR	CKT BKR	A	B	C	CKT #
1	** MONUMENT SIGN				20/1	20/1	0.18			
3	** DRIVE-THRU SIGN	0.26			20/1	20/1	0.18			
5	** UPLIGHT		0.4		20/1	20/1				
7	** DT DIGITAL ORDER SCREEN	0.52			20/1	20/1	1.2		0.36	
9	*** TIME CLOCK POWER		0.4		20/1	20/1			0.96	
11	*** ** DRIVE-THRU SIGN			0.52	20/1	20/2			1.8	
13	*** DRIVE THRU DSC/DCB #1	0.5			20/1		1.8			
15	*** ** DT MENU BOARD		1.04		20/1	20/1			0.18	
17	*** ** DRIVE THRU CANOPY		0.4		20/1	20/1			0.18	
19	*** ** EXTERIOR BUILDING LIGHT	0.8			20/1	20/1	0.4			
21	HAND DRYER		1.9		20/1	20/1		0.48		
23	HAND DRYER		1.9		20/1	20/1		1.08		
25	* FUTURE REFRIG RECEPT	0.18			20/1	20/1	1.3			
27	* NITRO GENERATOR	0.72			20/1	20/1		0.18		
29	** DRIVE THRU DSC/DCB #2		0.5		20/1	20/1		1.3		
31	** MANAGER'S DESK - MUSIC, GP	0.18			20/1	20/1	0.18			
33	* RCP, WATER FILTER		0.36		20/1	20/1		0.36		
35	* SEATING CONVENIENCE RECEPT		1.08		20/1	20/1		1.08		
37	* WH	4.5			50/3	30/3	0			
39			4.5						0	
41									0	
							12.7	11.5	15.1	TOTAL CONNECTED KVA
							106	96	126	TOTAL CONNECTED AMPS

LOAD TYPE	CONN. KVA	DEMAND KVA	LOAD TYPE	CONN. KVA	DEMAND KVA
LIGHTING	4.42	5.53 (125%)	CONTINUOUS	0.4	0.5 (125%)
LARGEST MOTOR	0	0 (125%)	HEATING	13.5	13.5 (100%)
OTHER MOTORS	0	0 (100%)	NONCONTINUOUS	4.32	4.32 (100%)
RECEPTACLES	5	5 (50%>10)	KITCHEN EQUIP	11.7	7.62 (65%)
			NONCOIN/DIVERSE	0	0 (N/A)
TOTAL KVA:		39.4	TOTAL BALANCED DEMAND AMPS:		101

NOTES:
* - PROVIDE GFCI PROTECTION (SEE NOTE)
** - CIRCUIT CONTROLLED VIA CONTACTOR / *** - EXISTING CIRCUIT TO REMAIN

B										
ROOM MOUNTING RECESSED FED FROM	RECEIVED SERV DISC B	VOLTS 208Y/120V 3P 4W	BUS AMPS 225	NEUTRAL 100%	AIC 42,000	MAIN BKR 225	LUGS STANDARD			
CKT #	CIRCUIT DESCRIPTION	A	B	C	CKT BKR	CKT BKR	A	B	C	CKT #
1	* CENTRAL ESPRESSO	3.25			30/2	20/1	0.96			
3			3.25			20/1	1.48			
5	* LEFT ESPRESSO			3.25	40/2	20/1		1.56		
7		3.25				20/1	0.48			
9	* SANITIZER		3.9		40/2	40/2		3.25		
11				3.9					3.25	
13	* RIGHT TURBOCHEF	3			30/2	20/1	0.96			
15			3			20/2	1.25			
17	* CUP LABELER		0.4		20/1			1.25		
19	* MANAGER'S DESK - ALARM, * MANAGER'S DESK - EMS	0.54			20/1	20/1	0.48			
21	* CENTER TURBOCHEF	3			30/2	20/1	0.72			
23			3			20/1		0.09		
25	* DUAL BREWER	4.17			50/2	20/1	1.08			
27			4.17			20/1	0.36			
29	* DT POS - DED. REC			0.36	20/1	20/1		0.36		
31	* DT POS REC - FUTURE	0.36			20/1	30/3	0			
33	* U.C. REFRIGERATOR, FUTURE		0.98		20/1			0		
35	* DT COMMUNICATIONS			0.72	20/1			0		
37	* PARTNER WORKSTATION	0.18			20/1	70/3	5.77			
39	* SEATING CONVENIENCE RECEPT, SEATING CONVENIENCE RECEPT		0.36		20/1			5.77		
41	* DT TIMER			0.72	20/1			5.77		
							24.5	31.5	24.6	TOTAL CONNECTED KVA
							207	262	209	TOTAL CONNECTED AMPS

LOAD TYPE	CONN. KVA	DEMAND KVA	LOAD TYPE	CONN. KVA	DEMAND KVA
LIGHTING	0	0 (125%)	CONTINUOUS	0	0 (125%)
LARGEST MOTOR	17.3	21.6 (125%)	HEATING	0	0 (100%)
OTHER MOTORS	0	0 (100%)	NONCONTINUOUS	0	0 (100%)
RECEPTACLES	7.78	7.78 (50%>10)	KITCHEN EQUIP	55.5	36.1 (65%)
			NONCOIN/DIVERSE	0	0 (N/A)
TOTAL KVA:		80.6	TOTAL BALANCED DEMAND AMPS:		182

NOTES:
* - PROVIDE GFCI PROTECTION (SEE NOTE)
** - CIRCUIT CONTROLLED VIA CONTACTOR / *** - EXISTING CIRCUIT TO REMAIN

A										
ROOM MOUNTING RECESSED FED FROM	RECEIVED SERV DISC A	VOLTS 208Y/120V 3P 4W	BUS AMPS 225	NEUTRAL 100%	AIC 42,000	MAIN BKR 225	MLO FEEDTHRU			
CKT #	CIRCUIT DESCRIPTION	A	B	C	CKT BKR	CKT BKR	A	B	C	CKT #
1	*** RTU-1	6.8			90/3	20/1	0			
3			6.8			20/1	0			
5				6.8		20/1		0		
7	*** DRIVE THRU WINDOW	0.5			20/1	20/1	0			
9	*** ** EXTERIOR REC		0.72		20/1	20/1		0.18		
11	** CEILING FAN			0.5	20/1	20/1		0		
13	SHOW WINDOW RECEPT	1.08			20/1	20/1	0.54			
15	SPARE		0		20/1	20/1		0.25		
17	*** ** SITE LIGHTING			0.5	20/2	20/1		0.12		
19		0.5				20/1	0.26			
21	*** ** SITE LIGHTING		0.5		20/2	20/1		0.48		
23				0.5		20/1		0.385		
25	SPARE	0			20/1	20/1	0.842			
27	SPARE		0		20/1	20/1		0.96		
29	*** MAINTENANCE REC			0.18	20/1	20/1		0.52		
31	*** ** EXTERIOR WALLPACKS	0.8			20/1	20/1	0			
33	*** ** EXTERIOR LIGHTING		0.1		20/1	20/1		0		
35	SPARE		0		20/1	20/1		0.468		
37	SPARE	0			20/1	30/3	0			
39	*** IRRIGATION CONTROLLER		0.4		90/1			0		
41	** DUCT SMOKE DETECT			0.4	20/1			0		
							11.3	10.4	10.4	TOTAL CONNECTED KVA
							94.3	86.6	86.4	TOTAL CONNECTED AMPS

LOAD TYPE	CONN. KVA	DEMAND KVA	LOAD TYPE	CONN. KVA	DEMAND KVA
LIGHTING	6.47	8.08 (125%)	CONTINUOUS	0.25	0.313 (125%)
LARGEST MOTOR	20.4	25.5 (125%)	HEATING	0	0 (100%)
OTHER MOTORS	1.87	1.87 (100%)	NONCONTINUOUS	0	0 (100%)
RECEPTACLES	3.1	3.1 (50%>10)	KITCHEN EQUIP	0	0 (N/A)
			NONCOIN/DIVERSE	0	0 (N/A)
TOTAL KVA:		32.1	TOTAL BALANCED DEMAND AMPS:		108

NOTES:
* - PROVIDE GFCI PROTECTION (SEE NOTE)
** - CIRCUIT CONTROLLED VIA CONTACTOR / *** - EXISTING CIRCUIT TO REMAIN

THIS SHALL BE A SERIES-RATED SYSTEM BETWEEN THE MAIN CIRCUIT BREAKER AND THE BRANCH BREAKERS WITHIN THE PANELS TO ALLOW FOR 10 KAIC RATED BREAKERS TO BE UTILIZED.

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NOTE: PANELS ARE BY LL. CONTRACTOR SHALL PROVIDE ALL BREAKERS AS SHOWN ON THESE SCHEDULES!

Approved: Glenn Steele
Plans Examiner # PX3718

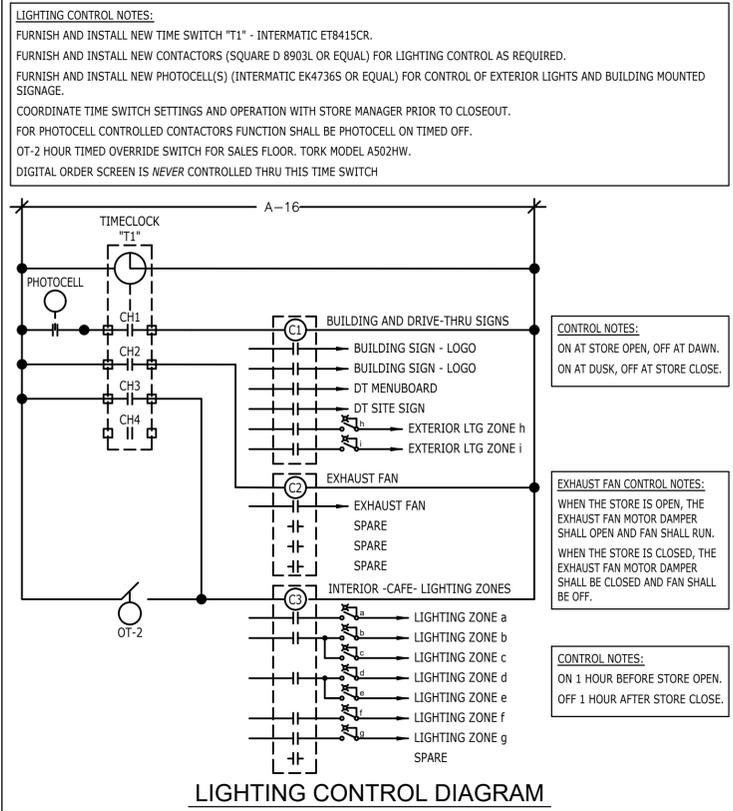
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GROUND FAULT PROTECTION NOTES:

PROVIDE GFCI PROTECTION AS REQUIRED BY NEC 210.8.
CIRCUITS REQUIRING GFCI PROTECTION IDENTIFIED WITH * ON PANEL SCHEDULES.
ABOVE-COUNTER RECEPTACLES THAT ARE READILY ACCESSIBLE AND WITHIN REACH OF PARTNERS SHALL BE GFCI TYPE.
BELOW-COUNTER RECEPTACLES, OR RECEPTACLES THAT ARE DIFFICULT TO REACH OR REQUIRE MOVING EQUIPMENT TO RESET, AND ARE NOT READILY ACCESSIBLE SHALL BE PROTECTED BY GFI CIRCUIT BREAKERS.
WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, CONTACT CIRCUIT BREAKER MANUFACTURER AND PROVIDE GFCI TYPE CIRCUIT BREAKER THAT SERIES RATES WITH PANEL OVER CURRENT PROTECTION IF AVAILABLE.
WHERE THE AVAILABLE SHORT CIRCUIT CURRENT EXCEEDS 22,000 AMPS AT THE PANELBOARD, AND GFCI BREAKERS ARE NOT AVAILABLE, PROVIDE DEAD-FRONT GFCIS (IN A READILY ACCESSIBLE LOCATION) TO SERVE RECEPTACLES THAT ARE NOT READILY ACCESSIBLE.

CLOSE-OUT NOTES:

A. WITHIN 30 DAYS OF DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BUILDING OWNER. RECORD DRAWINGS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING:
1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM.
2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.
B. UPON COMPLETION OF PROJECT, PROVIDE OPERATION AND MAINTENANCE MANUALS TO OWNER. THE MANUALS SHALL CONTAIN, AT A MINIMUM, THE FOLLOWING INFORMATION:
1. SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.
C. PRIOR TO PASSING FINAL INSPECTION, THE CONTRACTOR 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 TO THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS.



MINIMUM WIRE & CONDUIT SIZES FOR CIRCUIT BREAKERS AND FUSES			
AMPS	FEEDER SIZE	GROUND	CONDUIT
15	#12	#12	3/4"
20	#12	#12	3/4"
25	#10	#10	3/4"
30	#10	#10	3/4"
35	#8	#10	3/4"
40	#8	#10	3/4"
45	#8	#10	3/4"
50	#8	#10	3/4"
60	#6	#10	3/4"
70	#4	#8	1"
80	#4	#8	1"
90	#3	#8	1-1/4"
100	#3	#8	1-1/4"

PROVIDE THE FOLLOWING QUANTITIES:

1 POLE CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND	3 POLE CIRCUIT - 3 HOT, 1 GROUND
2 POLE CIRCUIT - 2 HOT, 1 GROUND	1 POLE IG CIRCUIT - 1 HOT, 1 NEUTRAL, 1 GROUND, 1 ISOLATED GROUND.

NOTES:

- ALL CONDUCTORS SHALL BE COPPER.
- ALL CONDUIT SHALL HAVE EQUIPMENT GROUNDING CONDUCTOR INSTALLED.
- CONDUIT BELOW GRADE OUTSIDE OF BUILDING SHALL BE 1" MINIMUM.
- SIZING OF CONDUCTORS SHALL BE ALTERED FOR DERATING PER N.E.C. OR VOLTAGE DROP CONSIDERATIONS.
- SEE RISER DIAGRAM FOR SIZING OF CIRCUITS GREATER THAN 100A.
- USE #10 AWG, COPPER CONDUCTORS FOR 20 AMPERE, 120 VOLT BRANCH CIRCUITS LONGER THAN 75 FEET. USE #10 AWG, COPPER CONDUCTORS FOR 20 AMPERE, 277 VOLT BRANCH CIRCUITS