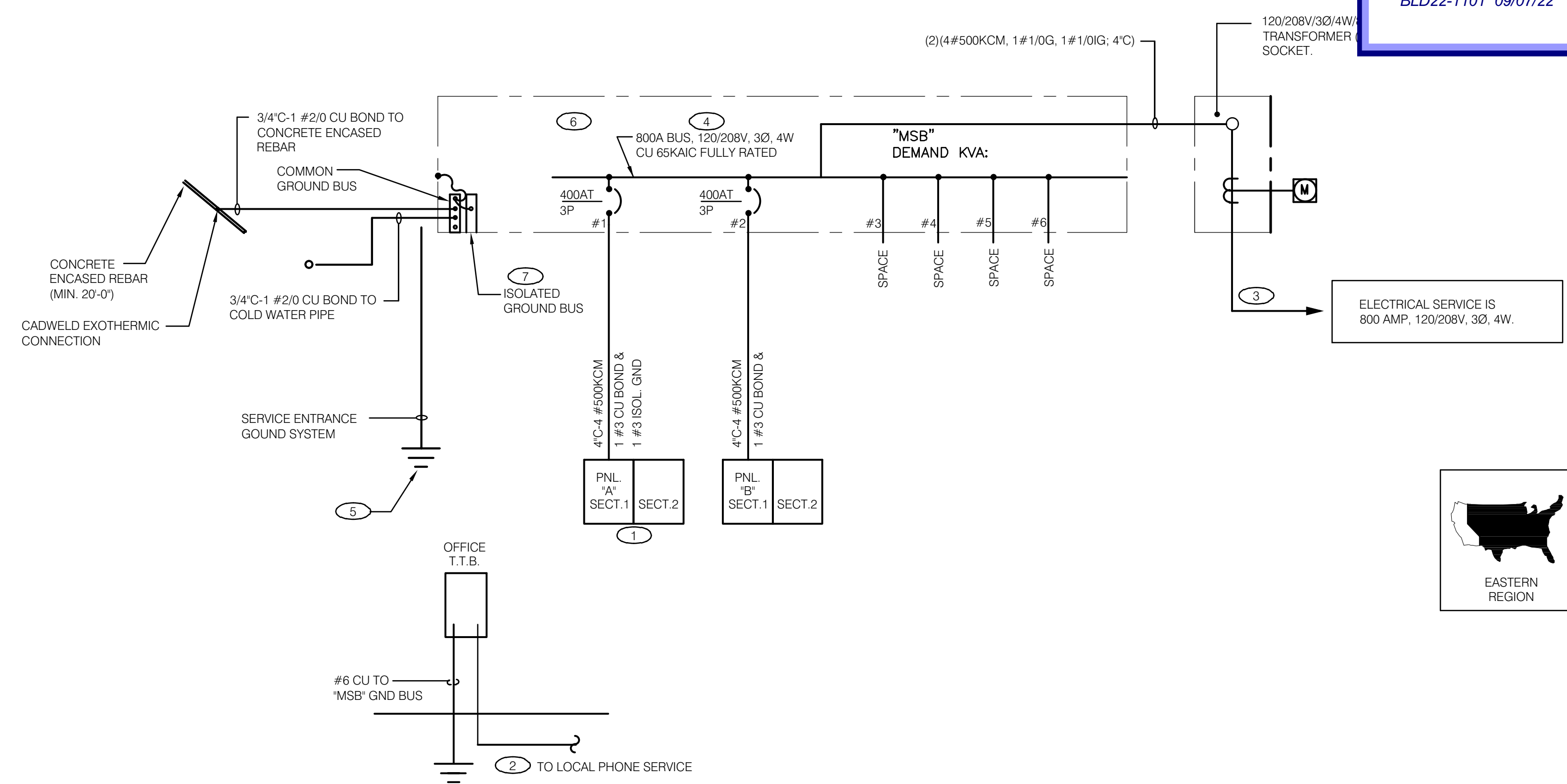


REVIEWED
 For Code Compliance
 City of Ocala Growth Management
 BLD22-1101 09/07/22



DEVICE	FAULT	AIC RATING	L-N VOLTS	UTILITY			FED FROM				FEEDER						
				FAULT	X	R	DEVICE	FAULT	X	R	SIZE	X / 1000'	R / 1000'	LENGTH	X	R	
UTILITY	52,175	65,000	120V	52,175	0.002255	0.0004511											
MSB	41,441	42,000	120V	41,441	0.002762	0.0008693	UTILITY	52,175	0.002255	0.0004511	(3)#400kcmil	0.0133	0.011	38'	0.0005	0.0004	
A	33,539	35,000	120V	33,539	0.003219	0.001561	MSB	41,441	0.002762	0.0008693	#4/0	0.041	0.062	11'	0.0005	0.0007	
B	33,223	35,000	120V	33,223	0.003241	0.001594	MSB	41,441	0.002762	0.0008693	#4/0	0.041	0.062	12'	0.0005	0.0007	

POINT OF SERVICE INDICATION

B

	2x4 TROFFER		WALL MOUNTED SPEAKER		HOLD UP EMERGENCY BUTTON
	2x4 TROFFER WITH BATTERY PACK		JUNCTION BOX		ELECTRICAL MOTOR
	2x2 TROFFER		WALL MOUNTED JUNCTION BOX		DUCT MOUNTED SMOKE DETECTOR
	2x2 TROFFER WITH BATTERY PACK		TELEPHONE OUTLET		CONNECTION TO EQUIPMENT
	DOWNLIGHT FIXTURE		DEDICATED GROUNDED OUTLET (GFCI BREAKER PROTECTED WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1)		FUSIBLE DISCONNECT SWITCH WITH STARTER
	SUSPENDED DOWNLIGHT FIXTURE		DUPLEX GROUNDED OUTLET (GFCI BREAKER PROTECTED WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1)		FUSED DISCONNECT SWITCH
	PENDANT MOUNTED LIGHT FIXTURE		DOUBLE DUPLEX GROUNDED OUTLET (GFCI BREAKER PROTECTED WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1)		NON-FUSED DISCONNECT SWITCH
	TRACK MOUNTED PENDANT LIGHT FIXTURE		GFCI PROTECTED DUPLEX OUTLET (GFCI BREAKER PROTECTED) REFER TO PANEL SCHEDULES ON SHEET E2.1		PHOTOCELL
	DIRECTIONAL FIXTURE, TRACK MOUNTED		GFCI PROTECTED DEDICATED OUTLET (GFCI BREAKER PROTECTED) REFER TO PANEL SCHEDULES ON SHEET E2.1		RAIN SENSOR
	DIRECTIONAL FIXTURE, TRACK MOUNTED TO UNDERSIDE OF INTERIOR CANOPY		CEILING DUPLEX OUTLET (GFCI BREAKER PROTECTED) REFER TO PANEL SCHEDULES ON SHEET E2.1		FLUORESCENT WALL MOUNT FIXTURE
	COOLER FIXTURE		CEILING DUPLEX OUTLET (GFCI BREAKER PROTECTED) WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1		EMERGENCY LIGHT
	EXIT SIGN (WALL MOUNTED)		DUPLEX ISOLATED GROUND OUTLET (GFCI BREAKER PROTECTED) WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1		SINGLE POLE, SINGLE THROW TOGGLE SWITCH
	EXIT SIGN (CEILING MOUNTED)		DOUBLE DUPLEX ISOLATED GROUND OUTLET (GFCI BREAKER PROTECTED) WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1		LOW VOLTAGE TRANSFORMER
	SECURITY STROBE		DEDICATED ISOLATED GROUND (GFCI BREAKER PROTECTED) WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1		SINGLE POLE, SINGLE THROW TOGGLE SWITCH W/ PILOT LIGHT
	NIGHT LIGHT		CEILING DUPLEX OUTLET (GFCI BREAKER PROTECTED) WHERE REQUIRED IN KITCHEN. REFER TO PANEL SCHEDULES ON SHEET E2.1		RELAY
	CEILING MOUNTED SPEAKER		SPECIAL PURPOSE OUTLET		CONDUIT RUN, UNDERGROUND
			ELECTRICAL PANEL. SEE SHEET E2.1 FOR PANEL SCHED.		SMOKE DETECTOR
			WEATHERPROOF GROUND FAULT		EXTERIOR WALL FIXTURE
					EXTERIOR DECORATIVE WALL FIXTURE
					EXTERIOR DECORATIVE WALL FIXTURE
					WEATHERPROOF GROUND FAULT

ELECTRICAL LEGEND

G

- THERE SHALL BE U.L. LISTED SERIES RATING BETWEEN CKT. BREAKERS LOCATED AT THE DISTRIBUTION PANEL AND THE DOWNSTREAM 10k A.I.C. RATED CIRCUIT BREAKERS AT PANELS 'A', 'B', 'D' & 'H' BASED ON THE MAXIMUM FAULT CURRENT AS DETERMINED AT THE SERVICE ENTRANCE. THE NFPA-70 SIX SWITCH MAXIMUM RULE SHALL APPLY AT THE POINT AT WHICH THE SERVICE ENTERS THE BUILDING AS DEFINED BY NFPA-70 (CURRENT EDITION IN FORCE AT THIS SITE). NOTIFY ENGINEER WHERE LOCAL CONDITIONS REQUIRE ALTERNATE LOCATIONS OR SINGLE POINT DISCONNECT.
- SEE SCOPE OF WORK FOR DETAILS REGARDING OWNER SUPPLIED AND/OR INSTALLED PRODUCTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL OTHER ASPECTS OF THE PROJECT
- IF UTILITY COMPANY PROPOSES A SERVICE DIFFERENT FROM THAT ILLUSTRATED, CONTACT THE CONSTRUCTION ENGINEER FOR A DECISION BEFORE PROCEEDING. COORDINATE AVAILABLE SHORT CIRCUIT CURRENT W/ LOCAL UTILITY AND PROVIDE CIRCUIT BREAKERS W/ SUFFICIENT INTERRUPTING CAPACITY.
- COORDINATE CT METERING COMPARTMENT SIZE WITH LOCAL UTILITY COMPANY. THE LOCAL ELECTRICAL INSPECTOR AND THE NATIONAL ELECTRICAL CODE TO MEET ALL REQUIREMENTS BEFORE PURCHASE AND INSTALLATION. NEW METER BY LOCAL UTILITY COMPANY.
- ALL WIRING SHOWN SHALL BE COPPER TYPE "THHN/THWN" EXCEPT FEEDERS FROM UTILITY TRANSFORMER TO SWITCH BOARD MAY BE ALUMINUM.
- USE 2014 NC STATE ELECTRICAL CODE (2014 NEC WITH NC AMENDMENTS)
- ALL SHOP MANUFACTURED EQUIPMENT OR ASSEMBLIES WITH ELECTRICAL COMPONENTS MUST BE LISTED AND LABELED AS REQUIRED BY N.C. G.S.66-23 THRU 66-27A

GENERAL NOTES

D

SINGLE LINE DIAGRAM - EAST REGION

A

- WIRE ISOLATED GROUND TO ISOLATION GROUND BUS IN PANEL AND LAND ISOLATED GROUND TO SINGLE POINT GROUND. DO NOT COMBINE COMMON GND TO ISOLATED GROUND.
- PROVIDE 2" CONDUIT STUBBED INTO BUILDING FROM LATERAL POLE FOR TELEPHONE.
- INSTALL UNDERGROUND SERVICE LATERAL TO UTILITY TRANSFORMER PER SERVING UTILITY COMPANY SPECIFICATIONS. ROUTE 4#500KCM IN EACH OF (2) 4" CONDUITS TO UTILITY TRANSFORMER. G.C./ ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL SERVICE REQUIREMENTS WITH LOCAL UTILITY. IF ALUMINUM CONDUCTORS ARE TO BE USED, PROVIDE 4#750KCM IN EACH (2) 4" CONDUITS.
- VERIFY AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE WITH LOCAL UTILITY COMPANY AND CONFIRM 65 KAIC RATED EQUIPMENT IS SUFFICIENT.
- (3) 5/8" DIA. 10'-0" COOPER CLAD GROUND RODS. INSTALL 12'-0" APART AND CONNECT GROUND SYSTEM PER NEC ARTICLE 250.
- PROVIDE PANEL 'MSB' WITH AN ISOLATED GROUND BUS. DO NOT COMBINE COMMON GROUND TO ISOLATED GROUND.
- PROVIDE PANEL SERVICE ENTRANCE FUSED DISCONNECT SWITCH WITH AN ISOLATED GROUND BUS. BOND ISOLATED GROUND BUS TO COMMON GROUND.

KEY NOTES

C

ENGINEERING OFFICE
 21430 Palm Beach Blvd.
 Aventura, Fla. 33120
 Phone: (305) 693-9244
 facsimile: (305) 693-9828

ARCHITECTURE
LIS
 ARCHITECTURE / ENGINEERING OFFICE
 2600 INVESTMENT SERVICES, LLC
 AA 26002040 CA NO: 6853 LB1057
 21430 Palm Beach Blvd.
 Aventura, Fla. 33120
 Phone: (305) 693-9244
 facsimile: (305) 693-9828

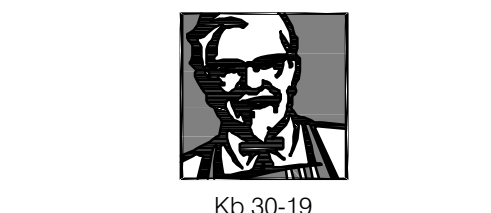
Digitally signed by ROBERT W CASE
 Date: 2022.03.31 10:21:50 -04'00'

ROBERT WAYNE CASE
 FLORIDA PE #44643

PLAN SET REVISIONS:

CONTRACT DATE: 03/2019
 BUILDING TYPE: Kb 30-19
 PLAN VERSION: 2018.A
 SITE NUMBER:
 ENTITY NUMBER:
 STORE NUMBER:
 LIS PROJECT: 2019-304

KFC
 3615 W SILVER SPRINGS BLVD.
 Ocala, FL



RISER DIAGRAM AND LEGEND

E2.0

PLOT DATE: 03/29/2022