



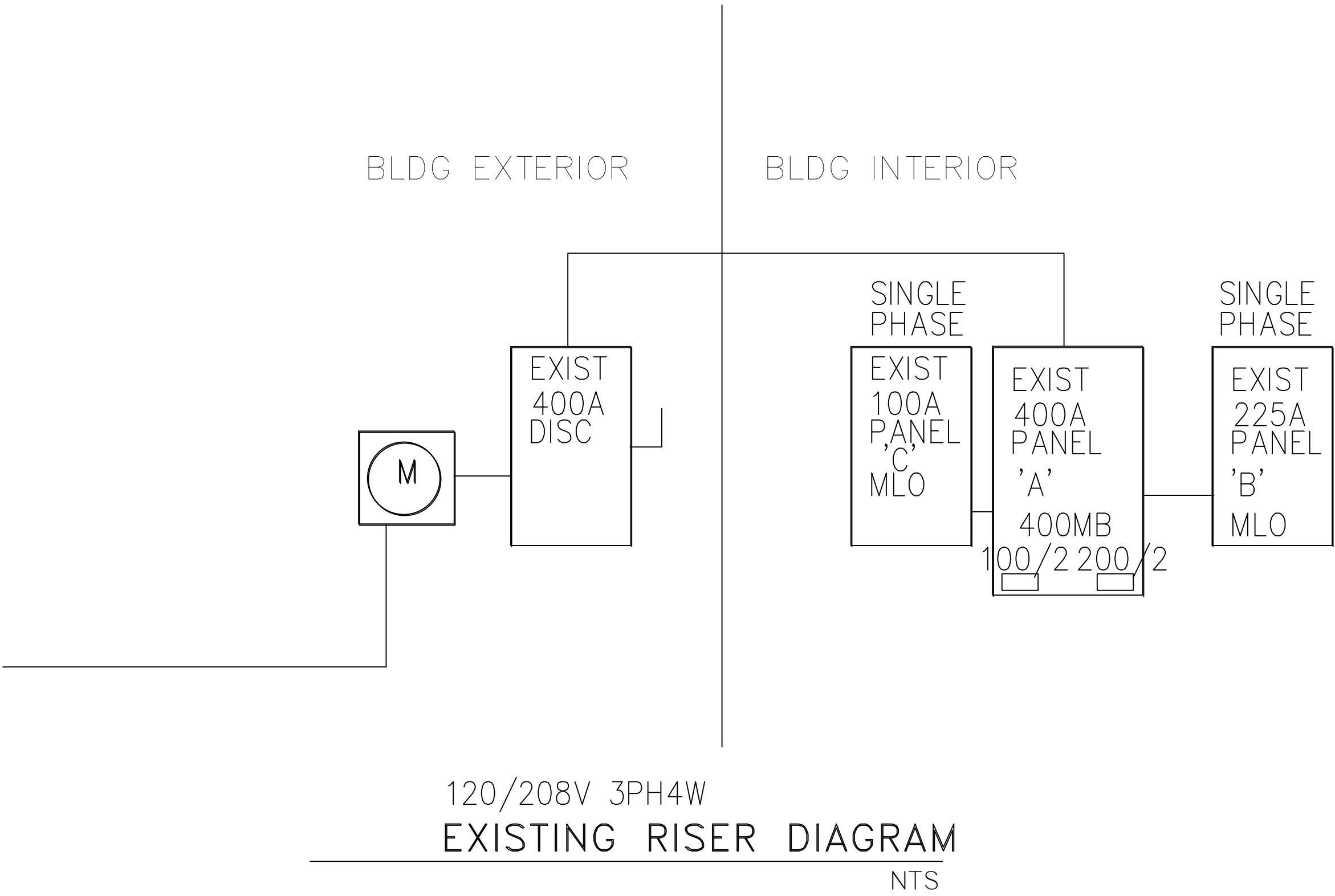
Constance Hickey Scott P.E.
7846 Wood Oak Cove
Cordova, TN
(901) 830-5300
chscott@chsenineering.com
FL license # 39054 exp 2/28/25

C											
ROOM			VOLTS 208Y/120V 3P 4W			AIC MATCH EXISTING					
MOUNTING SURFACE			BUS AMPS 100			MAIN BKR MLO					
FED FROM PANEL A			NEUTRAL 100%			LUGS STANDARD					
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	15/2	5 DOOR MED TEMP	1.54			2	40/2	5 DOOR LOW TEMP	2.89		
3				1.54		4				2.89	
5	15/2	5 DOOR MED TEMP			1.54	6	40/2	4 DOOR LOW TEMP			2.89
7			1.54			8			2.89		
9	15/2	5 DOOR MED TEMP		1.54		10	25/2	3 DOOR LOW TEMP		2.16	
11					1.54	12					2.16
13	15/2	5 DOOR MED TEMP	1.54			14	20/1	SPACE	0		
15				1.54		16	20/1	SPACE		0	
17	20/2	8' PRODUCE CASE	1.87		1.87	18	20/1	SPACE			0
19						20	20/1	SPACE	0		
21	15/1	8' PRODUCE CASE-120V		1.2		22	20/1	SPACE		0	
23	20/1	SPACE			0	24	20/1	SPACE			0
25	20/1	SPACE	0			26	20/1	SPACE	0		
27	20/1	SPACE		0		28	20/1	SPACE		0	
29	20/1	SPACE			0	30	20/1	SPACE			0
TOTAL CONNECTED KVA BY PHASE									12.3	10.9	10
			CONN KVA	CALC KVA					CALC KVA		
NONCONTINUOUS			33.1	33.1 (100%)		TOTAL LOAD			33.1		
						BALANCED 3-PHASE LOAD			92 A		

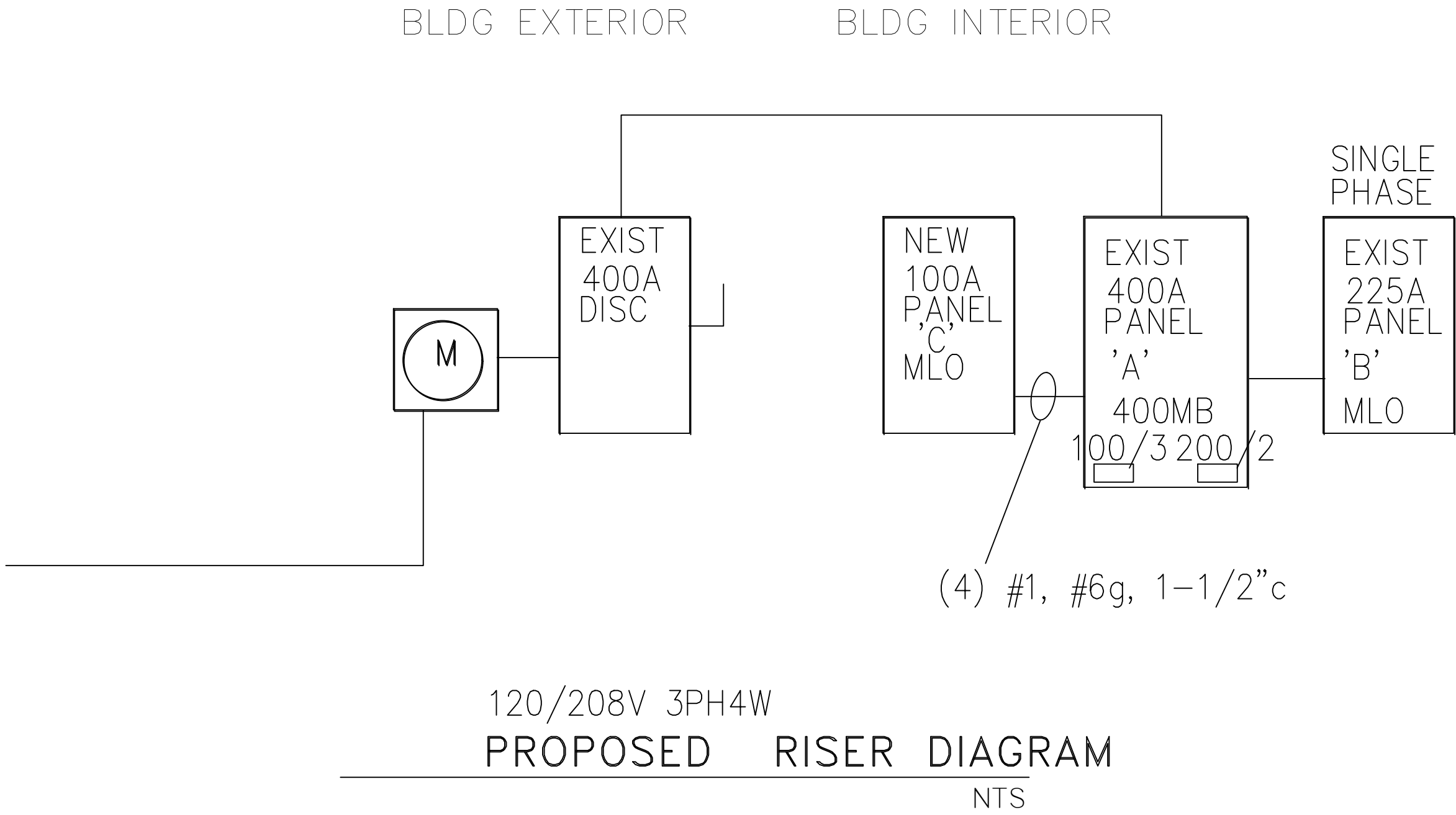
DOLLAR GENERAL LOAD ANALYSIS		
REFRIGERATION ADDITIONS		
11716 Lake City FL		
LOAD ANALYSIS		
largest usage in last 12 months		22,254 kWh
EST.12 MONTH PEAK DEMAND LOAD		46.34 kw
@125% SAFETY FACTOR		57.92 kw
ADDITIONAL LOAD		
	new equip	load(KW)
HUSSMAN 3 DOOR LOW TEMP	1	4.92
HUSSMAN 4 DOOR LOW TEMP	2	7.32
HUSSMAN 5 DOOR LOW TEMP	1	7.70
HUSSMAN 3 DOOR MED TEMP	0	1.89
HUSSMAN 4 DOOR MED TEMP	0	2.07
HUSSMAN 5 DOOR MED TEMP	4	2.78
produce open air 8'	1	4.53
total added load		42.91 KW
TOTAL REVISED ESTIMATED PEAK KW		100.83 KW
TOTAL NEW DEMAND LOAD	three phase	280.09 A

ALL NEW COOLERS AND FREEZERS ARE INDICATED AT MCA.
PANELS 'A' AND 'B' SHALL REMAIN AS IS.
REFER TO LOAD ANALYSIS, BELOW, FOR REMODEL LOAD CALCULATION(PANEL 'A') BASED UPON PAST 12 MONTH PEAK DEMAND.
REPLACE EXISTING 100/2 CIRCUIT BREAKER IN A-13,15 WITH 100/3 IN A-13,15,17. RELOCATE AC RECEPTACLE CIRCUIT TO SPARE A-14.

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS 2020 FLORIDA BUILDING CODE AND 2017 NATIONAL ELECTRICAL CODE WITH ANY LOCAL AMENDMENTS.



EXISTING SERVICE ENTRANCE, DISTRIBUTION SYSTEM, GROUNDING AND BONDING, AND ALL FEEDS SHALL REMAIN AS IS.



DOLLAR GENERAL

STORE NUMBER 11716
4549 SW State Road 47
Lake City, FL

NO.	DATE	DESCRIPTION
REVISIONS		
SHEET TITLE		
ELECTRICAL		
RISER		
DIAGRAM		

CONSTANCE HICKEY SCOTT
P.E.
No 39054
Date: 2023 04 13 11:41:00
Digitally signed by constance hickey scott
DN: cn=constance hickey scott, o=CHS, email=chscott@chsenineering.com, c=US
Date: 2023 04 13 11:41:00
E2