

L = PROVIDE A BREAKER LOCK ON DEVICE  
T= PROVIDE A SHUNT TRIP BREAKER  
G= PROVIDE A GFI BREAKER  
A= PROVIDE AN ARC FAULT CIRCUIT INTERRUPTER BREAKER

1. PROVIDE (2) #12, (1) #12 GND, 3/4"C FOR ALL BRANCH CCTS UNLESS STATED OTHERWISE.
2. PROVIDE LOCKING TYPE BREAKER FOR ALL LIFE SAFETY AND NIGHT LIGHTING BRANCH CIRCUITS

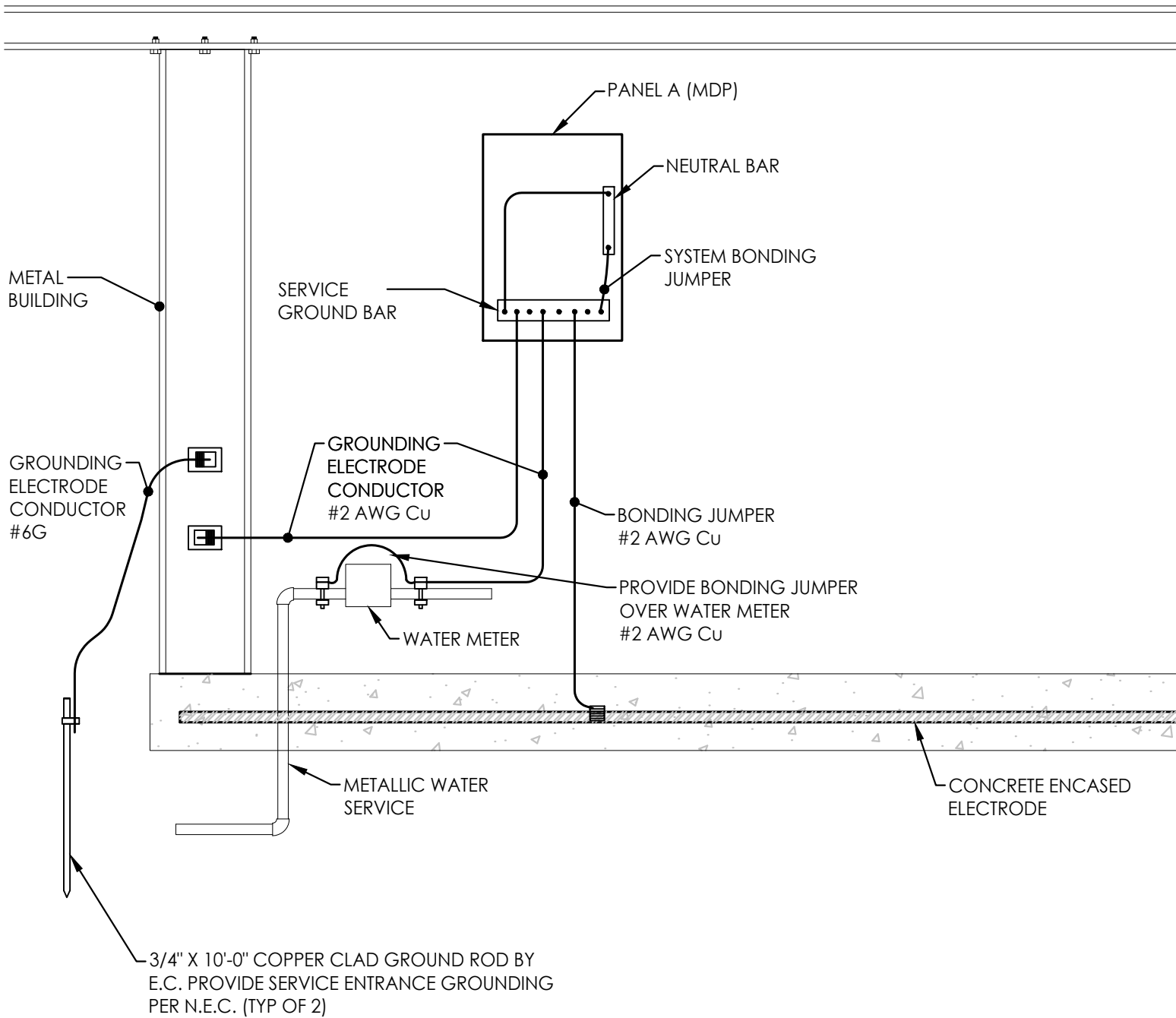
PCP				PANELBOARD										208Y/120V, 3PH, 4W 200A M.L.O 22,000 AIC GROUND BUS						
MOUNTING: LOCATION: PRODUCTION PANEL																				
PANEL PROVIDED BY FOOD PRODUCTION MANUFACTURER																				
	DESCRIPTION	WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION						
1	TOASTER	12	20	2	A		B		C		2	20	12	MICROWAVE	2					
3					1.68	1.55	1.68		1.55	1.68						1.55				
5																				
7	TOASTER	12	20	2	1.68		1.55				2	20	12	MICROWAVE	4					
9									1.68							1.55				
11	MICROWAVE	12	20	2	1.68		1.55				2	20	12	MICROWAVE	8					
13							1.55		1.55	1.55										
15																				
17	PRINTERS MICROWAVE	12	20	1	1.60		0.87				2	20	12	MERC0 3 TIER	12					
19							1.55		0.87							1.55		0.67		
21	HOT HOLD HEAT LAMP TRAULSEN	12	20	1	1.50		0.67				1	20	12	SLICER	16					
23							1.60		0.87							1.15		1.17		
25	HEAT LAMP & AU JUS SCALE & DISPLAY MONITORS	12	20	1	1.53		0.48				1	20	12	ALTO SHAM&HEATED SHELF CHEESE PUMP & AU JUS UCR MERC0 4 TIER	20					
27							1.32		1.15									2	20	12
29																0.36				
TOTAL					13.10		13.68		12.38		KVA									
PER NEC ARTICLE 220					110		114		104		AMPS									
TOTAL LOAD					39.15		KVA		109		AMPS									
FEEDER LOAD					25.45		KVA		71		AMPS									

A					PANEL BOARD (NEW)										208Y/120V, 3PH, 4W 600A M.C.B. 10,000 AIC GROUND BUS				
MOUNTING: SURFACE LOCATION: REAR KITCHEN																			
	DESCRIPTION				WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION		
1	RTU-1				8	45	3	A		B		C		3	60	8	RTU-2		2
3								3.96		5.40									4
5										3.96		5.40							6
7	EF-1				8	20	1	1.60									SPARE		8
9	46 - PROD CONTROL PANEL					125	3			13.10		1.20					ICE MACHINE BEV STATION		10
11												13.68		1.20					12
13								12.38		1.20							DRIVE THRU ICE COND UNIT		14
15	WALK-IN FREEZER EVAP				10	20	2			1.20		1.20							16
17														1.20		2.70			18
19	WALK-IN COOLER EVAP				12	20	1	0.40		2.70									20
21	SITE LIGHTING				10	20	1					0.80		0.30					22
23	SITE LIGHTING				10	20	1							1.20		0.40			24
25	PYLON SIGN				10	20	1	1.00		0.40									26
27	SPARE					20	1												28
29	SPACE																		30
31	RTU-3				8	40	3	3.36											32
33										3.36									34
35												3.36							36
37	PANEL B					150	3	12.10		9.50									38
39												9.70		10.40					40
41														9.60		10.70			42
TOTAL								54.00		50.62		53.40		KVA					
PER NEC ARTICLE 220								450		422		446		AMPS					
								158.02		KVA		439		AMPS					
TOTAL LOAD								133.66		KVA		372		AMPS					
FEEDER LOAD																			

ELECTRICAL EQUIPMENT SCHEDULE								
ITEM	QUAN.	ITEM DESCRIPTION	VOLTS	PHASE	KW	AMPS	POWER CONNECTION	COMMENTS
1	-	POS	120	1	-	-	-	-
2	1	12-HEAD DRINK DISPENSER	120	1	0.6	5.2	NEMA 5-20R	-
8	1	8-HEAD DRINK DISPENSER	120	1	1.1	9.3	NEMA 5-20R	-
12	1	SHAKE MACHINE	208	1	4.4	21.0	NEMA 6-20R	-
15	1	SAFE	120	1	0.1	1.0	NEMA 5-15R	-
16	3	COOK AND HOLD	120	1	0.8	6.7	NEMA 5-15R	-
17	1	CONVECTION OVEN	208	1	2.7	11.3	NEMA 6-15R	-
27	1	TANKLESS WATER HEATER	120	1	0.1	0.8	NEMA 6-15R	-
32	2	WALK-IN FREEZER CONDENSER UNIT	208	3	5.4	20.0	DIRECT	-
33	1	WALK-IN COOLER CONDENSER UNIT	208	3	5.4	15.0	DIRECT	-
39	1	DRIVE-THRU ORDER SYSTEM	120	1	0.4	3.3	DIRECT	-
41	1	FRY DUMP	208	1	3.1	14.8	NEMA 6-20R	-
43	1	GAS FRYER	120	1	1.2	10.0	NEMA 5-15R	AMPS GIVEN PER FRYER POT
44	1	CARBONATOR	120	1	0.7	6.0	-	-
45	1	MENU BOARD	120	1	-	-	NEMA 6-20R	-
46	1	PRODUCTION COUNTER	208	3	22.8	125.0	DIRECT	-
49	1	COFFEE MAKER	120	1	1.7	14.0	NEMA 5-15R	-
63	1	MUSIC SYSTEM (MNGR'S DESK)	120	1	0.6	5.0	NEMA 5-15R	-
75	1	AUTOMATIC DRIVE THRU WINDOW	120	1	0.1	0.8	DIRECT	-
80	1	REACH-IN FREEZER	120	1	0.7	6.0	NEMA 5-15R	-
92	2	REMOTE ICE CUBE MACHINE	120	1	0.1	1.1	NEMA 5-15R	-
92	2	REMOTE CONDENSER	208	1	2.4	11.6	DIRECT	-
96	1	GREASE STORAGE TANK	120	1	0.1	1.1	DIRECT	-
126	1	CO2 MONITORING SYSTEM	120	1	0.1	1.0	NEMA 5-15R	-

GROUNDING ELECTRODE DETAIL GENERAL NOTES:

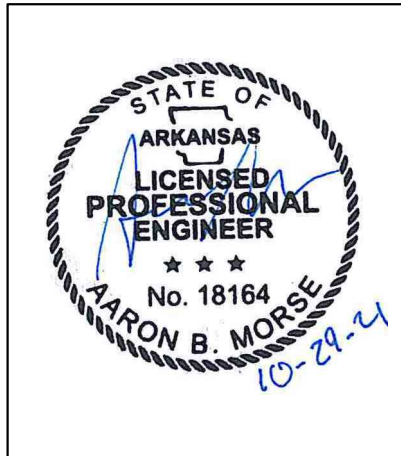
A. ALL GROUNDING ELECTRODE PRESENT SHALL BE BONDED TOGETHER.  
B. ALL GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED PER NEC TABLE 250.66 UNLESS NOTED OTHERWISE.  
C. GROUND RING SHALL BE #2 CU MINIMUM WITH FULL SIZE BONDING JUMPER.  
D. ALL BONDING JUMPERS SHALL BE SIZED PER NEC TABLE 250.122 UNLESS NOTED OTHERWISE.  
F. THIS DETAIL SHOWS ALL SUPPLEMENTAL GROUNDING METHODS. PER NEC 250.52(A)(1) ONE OF THE METHODS SHOWN MUST SUPPLEMENT BONDING TO WATER METER.



1 GROUNDING ELECTRODE SYSTEM DETAIL  
N.T.S.

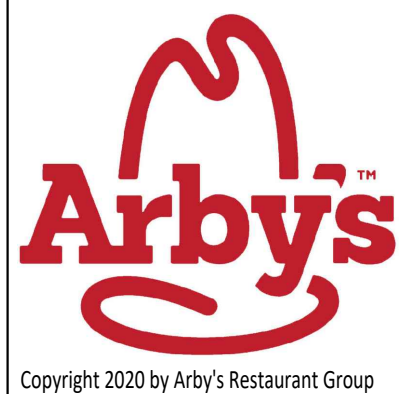
PANEL BOARD (NEW)										208Y/120V, 3PH, 4W 150A M.L.O 10,000 AIC GROUND BUS					
MOUNTING: SURFACE LOCATION: REAR KITCHEN															
DESCRIPTION		WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION	
					A	B		C							
1	SPARE		20	1						1	20		SPARE	2	
3	RESTROOM AUTO SENSORS	10	30	1		2.00	1.40			2	20	10	12-SHAKE MACHINE (G)	4	
5	38-DRIVE THRU ORDER SYS	10	20	1				1.60	1.40					6	
7	92- ICE MAKER	10	20	1	1.30	1.10				1	20	10	8-8 HEAD DRINK DISPENSER(G)	8	
9	75- D/T WINDOW OPEN (G)	12	20	1			0.20	0.10		1	20	12	27-WH CONTROLS	10	
11	41 - FRY DUMP (G)	10	20	2				1.60		1	20		SPARE	12	
13					2.70	1.20				2	20	10	17-CONVECTION OVEN (G)	14	
15	16-COOK & HOLD CABINET (G)	8	20	1			1.80	1.20						16	
17	49-COFFEE MAKER	10	20	1				1.70		1	20		SPARE	18	
19	MENU BOARD	10	20	1	1.20	0.80				1	20	12	16-COOK & HOLD CABINET(G)	20	
21	C02 MONITORING SYSTEM	12	20	1			0.40			1	20		SPARE	22	
23	SPARE		20	1						1	20		SPARE	24	
25	SPARE		20	1		0.70				1	20	12	80-UPRIGHT FREEZER (G)	26	
27	43-THREE BANK FRYER (G)	10	20	1			1.20			1	20		SPARE	28	
29	SPARE		20	1					0.80	1	20	12	16-COOK & HOLD CABINET (G)	30	
31	HEAT TRACE	12	20	1	1.10	0.80				1	20	12	16-COOK & HOLD CABINET(G)	32	
33	SPARE		20	1				0.50		1	20	12	HOOD CTRL/GAS SOLENOID	34	
35	84-BAG IN BOX	12	20	1					1.00	0.50	1	20	12	HOOD LIGHTING	36
37	98-GREASE STORAGE	12	20	1	0.70	0.50				1	20	12	44-CARBONATOR	38	
39	44-CARBONATOR	12	20	1			0.70	0.20		1	20	12	92-ICE MAKER	40	
41	2-12 HEAD DRINK DISPENSER	12	20	1					0.80	0.20	1	20	12	IRRIGATION	42
TOTAL					12.10	9.70		9.60		KVA					
PER NEC ARTICLE 220					101	81		80		AMPS					
TOTAL LOAD					31.40	KVA		88		AMPS					
FEEDER LOAD					24.11	KVA		67		AMPS					

C	PANEL BOARD										208Y/120V, 3PH, 4W 150A, M.L.O 10,000 AIC GROUND BUS				
MOUNTING: SURFACE															
LOCATION: REAR KITCHEN															
	DESCRIPTION	WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION	
					A		B		C						
1	WALK-IN COOLER COND UNIT	10	20	3	1.80	1.80					3	20	10	32-WALK-IN FREEZER COND	2
3							1.80	1.80							4
5									1.80	1.80					6
7	DRIVE THRU TIMER SYS (G)	12	20		0.80	0.10					1	20	12	MICROPHONE SPEAKER (G)	8
9	63-MUSIC SYSTEM (G)	12	20	1			0.60	0.70			1	20	12	RECEPT MGR'S DESK (6)	10
11	EQ SATELLITE RECEIVER (G)	12	20	1					0.50	1.10	1	20	10	EQ POS-FRONT COUNTER (G)	12
13	DINING-TV	12	20	1	0.80	0.50					1	20	12	POS/MONITOR (DRIVE THRU)	14
15	EQ POS/MON.(FRY DUMP) (G)	12	20	1			0.50	1.00			1	20	10	SHOW WINDOW RECEPIS	16
17	DIRECTIONAL SIGN	10	20	1					1.20		1	20		SPARE	18
19	SPARE		20	1		0.10					1	20	12	EXTERIOR LIGHTING	20
21	DINING LIGHTING	12	20	1			0.30				1	20		SPARE	22
23	DINING LIGHTING	12	20	1					0.60	0.20	1	20	12	FREEZER LIGHTING	24
25	SERVICE LIGHTING	12	20	1	0.10						1	20		SPARE	26
27	KITCHEN LIGHTING	12	20	1			0.60	0.20			1	20	12	ROOF TOP RECEPTACLES	28
29	RESTROOM LIGHTING	12	20	1					0.10	0.10	1	20	12	15-SAFE (G)	30
31	EXTERIOR SIGN	10	20	1	1.20	0.40					1	20	12	TELEPHONE TERMINAL BOARD	32
33	REAR WALL PACK	12	20	1			0.10	0.40			1	20	12	DINING RECEPTACLES	34
35	EXTERIOR LIGHTING	12	20	1					0.10	0.80	1	20	12	RECEPTACLES/WIFI	36
37	EXTERIOR SIGN	10	20	1	1.20	0.70					1	20	12	EQ POS-DRIVE THRU (G)	38
39	EXTERIOR SIGN	10	20	1			1.20	1.20			2	20	10	17-CONVECTION OVEN (G)	40
41	EXTERIOR SIGN	10	20	1					1.20	1.20					42
TOTAL					9.50		10.40		10.70		KVA				
PER NEC ARTICLE 220					80		87		90		AMPS				
TOTAL LOAD					30.60		KVA		85		AMPS				
FEEDER LOAD					30.31		KVA		85		AMPS				



**PROPRIETARY INFORMATION NOTICE:**

THESE PROTOTYPICAL DOCUMENTS MAY REQUIRE REVISIONS TO CONFORM TO LOCAL, STATE, AND FEDERAL CODES, ORDINANCES OR OTHER CONDITIONS. THE DESIGN CONCEPTS EMBODIED IN THESE DOCUMENTS ARE SPECIFICALLY FOR THIS PROJECT. INFORMATION CONTAINED HEREIN REMAINS THE SOLE PROPERTY OF ARBY'S RESTAURANT GROUP, IS CONFIDENTIAL AND PROPRIETARY AND IS NOT TO BE COPIED, REPRODUCED, DISCLOSED OR OTHERWISE TRANSFERRED TO OTHER PARTIES IN ANY FORM WHATSOEVER WITHOUT THE EXPRESS WRITTEN CONSENT OF ARBY'S RESTAURANT GROUP.



Copyright 2020 by Arby's Restaurant Group

ARBY'S RESTAURANT GROUP  
INSPIRE DUAL REGULAR 40 - STANDARD  
1632 AR-25 BYPASS  
HEBER SPRINGS, AR 72543  
FOR  
RB AMERICAN GROUP, LLC  
6200 OAK TREE BLVD., SUITE 250, INDEPENDENCE, OHIO 44131

PROJECT NUMBER:

[illegible]

SCHEDULES  
ELECTRICAL

SHEET:

## E5.1