

A		PANELBOARD EXISTING						120/208V, 3PH, 4W 225A MAIN LUGS ONLY						
LOCATION: WORKROOM														
FLUSH MOUNT														
DESCRIPTION	WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION	
				A	B	C								
1 bort mini split		30	2	2.50	1.90					1	20	BLENDER (1)	2	
3 ex. lighting/irrigation		20	1		2.50	1.90				1	20	BLENDER (1)	4	
5 lighting/exterior lights		20	1	0.60	1.60			0.60	1.60	1	20	HAND DRYER (1.4)	6	
7 lighting		20	1		0.60	0.60				1	20	drive thru rec	8	
9 lighting		20	1		0.60	0.60				1	20	drive thru rec	10	
11 lighting		20	1		0.60	0.60		0.60	0.60	1	20	drive thru rec	12	
13 lighting		20	1	0.60	0.60					1	20	drive thru rec	14	
15 lighting		20	1		0.60	0.60				1	20	drive thru rec	16	
17 pole lights		30	2					2.50	0.60	1	20	drive thru rec	18	
19 pole lights		40	2	2.50	0.60					1	20	drive thru rec	20	
21 pole lights		40	2		3.33	0.60				1	20	drive thru rec	22	
23 refrigerator		20	1					3.33	0.60	1	20	drive thru rec	24	
25 refrigerator		20	1	0.60	0.60					1	20	drive thru window	26	
27 grinder		20	1		0.60	0.60				1	20	monitor	28	
29 warmer		20	1					0.60	0.60	1	20	intercom	30	
31 warmers		20	1	0.60	2.50					2	30	pole lights	32	
33 dispensers		20	1		0.00	2.50				1	20	COFFEE WRMS/BLD RINSE(1,3)	34	
35 dispensers		20	1	0.60	1.28					1	20	KEG/NITRO GEN. (1,3)	36	
37 refrigerator		20	1		0.60	1.39				1	20	LIGHTING (3)	38	
39 refrigerator		20	1					0.60	1.08	1	20	DIGITAL MENU BOARDS (1,3)	40	
41 true freezer		20	1							1	20		42	
TOTAL CONNECTED				17.07	16.41	14.44				KVA				
TOTAL CONNECTED				142.23	136.77	120.37				AMPS				
TOTAL LOAD				47.92	KVA	133.02				AMPS				
PER NEC ARTICLE 220 FEEDER LOAD				48.18	KVA	133.74				AMPS				

B		PANELBOARD EXISTING						120/208V, 3PH, 4W 225A MAIN LUGS ONLY						
LOCATION: WORKROOM														
FLUSH MOUNT														
DESCRIPTION	WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION	
				A	B	C								
1 rec manager		20	1	0.60	0.60					1	20	seating rec	2	
3 rec manager		20	1		0.60	2.50				2	30	ice machine	4	
5 rec manager		20	1					0.60	2.50				6	
7 rec manager		20	1	0.60	0.60					1	20	fridge/freezer	8	
9 water filter		20	1		0.60	0.60				1	20	fridge/freezer	10	
11 water heater		20	1					0.60	0.60	1	20	fridge/freezer	12	
13 seating rec		20	1	0.60	0.60					1	20	fridge/freezer	14	
15 seating rec		20	1		0.60	0.60				1	20	safe	16	
17 bathroom rec		20	1					0.60	0.60	2	20	food case	18	
19 seating rec		20	1	0.60	0.60					1	20	food case	20	
21 street sign		20	1		0.60	0.60				1	20	food case	22	
23 fountain		20	1					0.60	0.60	1	20	pos rec	24	
25 ceiling fans		20	1	0.60	0.60					1	20	pos rec	26	
27 building sign		20	1		0.60	0.60				1	20	cup labeler	28	
29 building sign		20	1					0.60	0.60	1	20	refrigerator	30	
31 building sign		20	1	0.60	0.60					1	20	insta hot	32	
33 drive thru sign		20	1		0.60	0.60				1	20	porch rec	34	
35 drive thru sign		20	1					0.60	0.60	1	20	ex fans	36	
37 existing load		20	1	0.60	0.60					1	20	timeclock	38	
39 fixture		30	2		2.50	3.33				2	40	drive thur heater	40	
41 equipment								2.50	3.33				42	
TOTAL CONNECTED				8.40	14.92	14.92				KVA				
TOTAL CONNECTED				70.00	124.33	124.33				AMPS				
TOTAL LOAD				38.24	KVA	106.14				AMPS				
PER NEC ARTICLE 220 FEEDER LOAD				38.24	KVA	106.14				AMPS				

MAIN		PANELBOARD EXISTING						120/208V, 3PH, 4W 225A MAIN LUGS ONLY						
LOCATION: WORKROOM														
FLUSH MOUNT														
DESCRIPTION	WIRE	BRKR	PL	KVA						PL	BRKR	WIRE	DESCRIPTION	
				A	B	C								
1 rtu-1		60	3	4.99	4.16					2	50	dish washer	2	
3 space					4.99	4.16						space	4	
5 space								4.50	0.00			space	6	
7 rtu-2		60	3	4.99	4.16					2	50	expresso machine	8	
9 space								4.16	0.00			space	10	
11 space								4.99	0.00			space	12	
13 twin brewer		60	3	4.99	4.16					2	50	expresso machine	14	
15 space					4.99	4.16						space	16	
17 future equipment		30	2	2.50	2.50					2	30	oven 2	18	
21 space					2.50	2.50						space	22	
23 space								0.00	0.00			space	24	
25 PANEL A		150	3	17.07	8.40					3	150	PANEL B	26	
27 space								16.41	14.92			space	28	
29 space												space	30	
31 spare		200	3	0.00	0.00							space	32	
33 space					0.00	0.00						space	34	
35 space								0.00	0.00			space	36	
TOTAL CONNECTED				57.92	63.78	44.34				KVA				
TOTAL CONNECTED				482.63	531.50	369.50				AMPS				
TOTAL LOAD				166.04	KVA	460.87				AMPS				
PER NEC ARTICLE 220 FEEDER LOAD				166.29	KVA	461.59				AMPS				

SHEET NOTES

- GFCI BREAKER FOR PERSONNEL PROTECTION (5mA).
- LEAVE HANDLE IN THE "OFF" POSITION FOR SPARE BREAKERS.
- REPLACE EXISTING BREAKER IN PANELBOARD WITH NEW BREAKER AS SHOWN.
- PROVIDE HANDLE LOCK-OFF DEVICE FOR MAINTENANCE USE.

ELECTRICAL DRAWINGS ARE BASED UPON SCOPE OF WORK PROVIDED BY ARCHITECT AND LIMITED INFORMATION GATHERED FROM SITE SURVEY AND PREVIOUS CONSTRUCTION DRAWINGS, AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, SIZES, AND LOCATIONS OF EQUIPMENT PRIOR TO FINAL BID. IF CONDITIONS ARE FOUND TO BE DIFFERENT THAN SHOWN, NOTIFY THE ENGINEER OF RECORD.

ELECTRICAL PANELBOARD NOTES

- E.C. SHALL ADD OR REARRANGE CIRCUIT BREAKERS WITHIN PANELBOARDS AS REQUIRED TO MATCH NEW CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS.
- NEW OVERCURRENT PROTECTIVE DEVICES PLACED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AVAILABLE INTERRUPTING CAPACITY (AIC) RATINGS OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
- E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR ALL EXISTING ELECTRICAL PANELBOARDS AFFECTED BY THE REMODEL AND IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE FOR ALL AFFECTED PANELBOARDS.
- EXISTING LOADS TO REMAIN ARE SHOWN IN LOWER CASE LETTERS. NEW, RELOCATED, OR MODIFIED LOADS ARE SHOWN IN UPPER CASE LETTERS, TYP.
- WIRE SIZES ARE #12 AWG COPPER UNLESS NOTED OTHERWISE.
- CONDUIT SIZES ARE 1/2" EMT UNLESS NOTED OTHERWISE. E.C. SHALL ENSURE CONDUIT IS SIZED ADEQUATELY PER NEC FOR ALL CONDUITS AND SPECIFICALLY FOR CONDUITS THAT ARE NOT EMT.
- E.C. SHALL ADD OR REARRANGE CIRCUIT BREAKERS WITHIN PANELBOARDS AS REQUIRED TO MATCH NEW CIRCUIT DESIGNATIONS SHOWN ON DRAWINGS.
- NEW OVERCURRENT PROTECTIVE DEVICES PLACED IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AVAILABLE INTERRUPTING CAPACITY (AIC) RATINGS OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
- E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR ALL EXISTING ELECTRICAL PANELBOARDS AFFECTED BY NEW CONSTRUCTION AND IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN PANELBOARD IDENTIFICATION SCHEDULE FOR ALL AFFECTED PANELBOARDS.
- EXISTING LOADS TO REMAIN ARE SHOWN IN LOWER CASE LETTERS. NEW, RELOCATED, OR MODIFIED LOADS ARE SHOWN IN UPPER CASE LETTERS, TYP.
- WIRE SIZES ARE #12 AWG COPPER UNLESS NOTED OTHERWISE.
- CONDUIT SIZES ARE 1/2" EMT UNLESS NOTED OTHERWISE. E.C. SHALL ENSURE CONDUIT IS SIZED ADEQUATELY PER NEC FOR ALL CONDUITS AND SPECIFICALLY FOR CONDUITS THAT ARE NOT EMT.



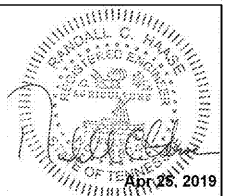
**STARBUCKS**  
2401 UTAH AVENUE SOUTH  
SEATTLE, WASHINGTON 98134  
(206) 318-1575

THESE DRAWINGS AND THE PROJECT MANUAL ARE CONFIDENTIAL AND SHALL REMAIN THE SOLE PROPERTY OF STARBUCKS CORPORATION, WHICH IS THE OWNER OF THE COPYRIGHT IN THIS WORK. THEY SHALL NOT BE REPRODUCED (IN WHOLE OR IN PART), SHARED WITH THIRD PARTIES OR USED IN ANY MANNER ON OTHER PROJECTS OR EXTENSIONS TO THIS PROJECT WITHOUT THE PRIOR WRITTEN CONSENT OF STARBUCKS CORPORATION. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO EXPRESS DESIGN INTENT FOR A PROTOTYPICAL STARBUCKS STORE (WHICH IS SUBJECT TO CHANGE AT ANY TIME) AND DO NOT REFLECT ACTUAL SITE CONDITIONS. NEITHER PARTY SHALL HAVE ANY OBLIGATION OR LIABILITY TO THE OTHER (EXCEPT AS STATED ABOVE) UNTIL A WRITTEN AGREEMENT IS FULLY EXECUTED BY BOTH PARTIES.

STARBUCKS TEMPLATE VERSION I2019.01.11



SUITE 5039 479-636-5004  
1855 N.2ND ST. JOB NO.: 23118  
ROGERS, AR 72756 DESIGNED BY: LES



PROJECT NAME:  
**CUSICK & ALCOA**

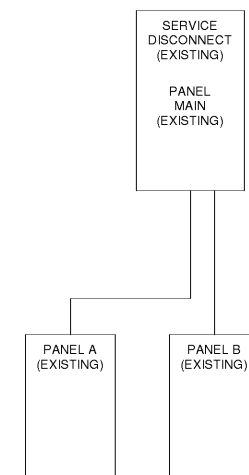
PROJECT ADDRESS:  
121 CUSICK ROAD  
ALCOA, TN 37701  
BLOUNT COUNTY

STORE #: 11293  
PROJECT #: 36099-035  
ISSUE DATE: 04.25.19  
DESIGN MANAGER: L. MACEDA  
PRODUCTION DESIGNER: LES  
CHECKED BY: WAJ

Revision Schedule			
Rev	Date	By	Description

SHEET TITLE:  
**ELECTRICAL PANEL SCHEDULES**  
SCALE: AS SHOWN

SHEET NUMBER:  
**E601**



PARTIAL SINGLE LINE DIAGRAM  
NOT TO SCALE

CONSTRUCTION DOCUMENTS - ISSUED FOR CONSTRUCTION USE

Order Plans @ www.LDILine.com