Panel: A

Mounting: Recessed
Enclosure: Type 1
AIC Rating: VERIFY

Volts: 120/208 Wye
Phases: 3
Wires: 4
Responsibility: LANDLORD

MCB Rating: 600A MCB
Mains Type: CU
Mains Rating: 600 A

	CKT	Schedule Circuit Notes	Trip	Poles	A		B		C		Poles	Trip	Schedule Circuit Notes	CKT	
E	1	D/T AIR CURTAIN	20 A	1	360 VA	255 VA					1	20 A	ATTACHED CANOPY LIGHTING	2	E
E	3	EF-1	20 A	1			528 VA	380 VA			1	20 A	BUILDING MTD. EXTERIOR LIGHTING	4	E
E	5	SPARE	20 A	1					0 VA	0 VA	1	20 A	TEMPERARY INTERIOR LIGHTING	6	E
E	7	TIMECLOCK	20 A	1	120 VA	600 VA					1	20 A	PARKING LOT LIGHTING	8	E
E	9	PARKING LOT LIGHTING	20 A	1			500 VA	360 VA			1	20 A	RTU GFCI RECEPTACLES	10	E
E	11	GFCI RECEPTACLES	20 A	1					540 VA	18542 VA				12	
	13				18542 VA	18542 VA					3	175 A	RTU-2	14	E
E	15	RTU-1	175 A	3			18542 VA	18542 VA						16	
	17								18542 VA	500 VA	1	20 A	MONUMENT/PYLON SIGN	18	E
E	19	D/T WINDOW	20 A	1	600 VA									20	
	21													22	
	23													24	
	25													26	
	27													28	
	29													30	
	31													32	
	33													34	
	35													36	
	37													38	
	39													40	
	41													42	
	43													44	
	45													46	
	47													48	
	49													50	
	51													52	
	53													54	
	55													56	
	57													58	
	59													60	
				Total Load:	39018 VA		38851 VA		38123 VA						
				Total Amps:	326 A		325 A		318 A						

Legend:

G = GFI - FURNISH AND INSTALL GFI BREAKERS AND DEDICATED NEUTRALS FOR THESE CIRCUITS TO PREVENT FALSE TRIPPING. EQUIPMENT AIC RATINGS SHALL EXCEED THE AVAILABLE FAULT CURRENT. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO CONSTRUCTION. SYSTEM SHALL BE SERIES RATED IF NECESSARY TO LIMIT SHORT CIRCUIT CURRENT TO BELOW 22,000 AIC (FOR GFI BREAKERS). COORDINATE WITH LANDLORD.

E = EXISTING BY LANDLORD

X = EXISTING GFI BREAKER BY LANDLORD. SHALL COMPLY WITH ALL REQUIREMENTS INDICATED IN 'G' LISTED ABOVE.

D = TYPE D CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	111778 VA	100.00%	111778 VA		
Lighting - General	1100 VA	125.00%	1375 VA	**Total Conn. Load:**	115993 VA
Power - General	1580 VA	100.00%	1580 VA	**Total Est. Demand:**	116427 VA
Receptacle	900 VA	100.00%	900 VA	**Total Conn.:**	322 A
Lighting	635 VA	125.00%	794 VA	**Total Est. Demand:**	323 A

Panel: B

Mounting: Recessed
Enclosure: Type 1
AIC Rating: VERIFY

Volts: 120/208 Wye
Phases: 3
Wires: 4
Responsibility: STARBUCKS

MCB Rating: 600 MLO
Mains Type: CU
Mains Rating: 600 A

CKT	Schedule Circuit Notes	Trip	Poles	A		B		C		Poles	Trip	Schedule Circuit Notes	CKT
1													2
3													4
5													6
7													8
9													10
11													12
13													14
15													16
17													18
19													20
21													22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
55													56
57													58
59													60
			Total Load:	0 VA		0 VA		0 VA					
			Total Amps:	0 A		0 A		0 A					

Legend:

G = GFI - FURNISH AND INSTALL GFI BREAKERS AND DEDICATED NEUTRALS FOR THESE CIRCUITS TO PREVENT FALSE TRIPPING. EQUIPMENT AIC RATINGS SHALL EXCEED THE AVAILABLE FAULT CURRENT. CONTRACTOR SHALL VERIFY AVAILABLE FAULT CURRENT WITH UTILITY PRIOR TO CONSTRUCTION. SYSTEM SHALL BE SERIES RATED IF NECESSARY TO LIMIT SHORT CIRCUIT CURRENT TO BELOW 22,000 AIC (FOR GFI BREAKERS). COORDINATE WITH LANDLORD.

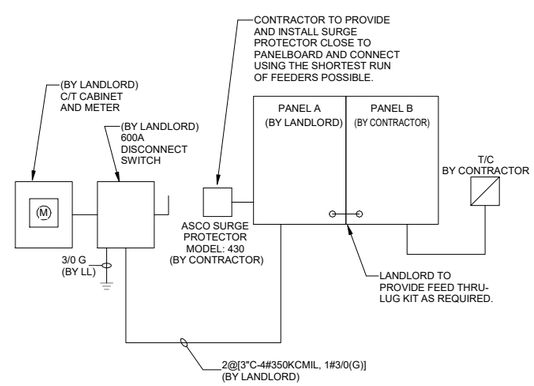
E = EXISTING BY LANDLORD

X = EXISTING GFI BREAKER BY LANDLORD. SHALL COMPLY WITH ALL REQUIREMENTS INDICATED IN 'G' LISTED ABOVE.

D = TYPE D CIRCUIT BREAKER

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
				Total Conn. Load:	0 VA
				Total Est. Demand:	0 VA
				Total Conn.:	0 A
				Total Est. Demand:	0 A

WIRE SIZING SCHEDULE			
BREAKER	WIRE SIZE	GROUND	CONDUIT
20A-1P	(2) #12	#12	3/4"
20A-2P	(3) #12	#12	3/4"
20A-3P	(4) #12	#12	3/4"
30A-1P	(2) #10	#10	3/4"
30A-2P	(3) #10	#10	3/4"
30A-3P	(4) #10	#10	3/4"
40A-2P	(3) #8	#10	3/4"
40A-3P	(4) #8	#10	1"
50A-2P	(3) #6	#10	1"
50A-3P	(4) #6	#10	1"
60A-2P	(3) #4	#10	1"
60A-3P	(4) #4	#10	1-1/4"
70A-3P	(4) #4	#8	1-1/4"
80A-3P	(4) #3	#8	1-1/4"
90A-3P	(4) #2	#8	1-1/4"
100A-3P	(4) #2	#8	1-1/4"
125A-3P	(4) #1	#6	1-1/2"
150A-3P	(4) #1/o	#6	2"
200A-3P	(4) #3/o	#6	2"



1 ONE-LINE DIAGRAM
SCALE: NTS

ONE-LINE NOTES:
LANDLORD TO PROVIDE NEW 600A, 120/208V-3PH ELECTRICAL SERVICE TO SPACE INCLUDING INSTALLATION OF ANY REQUIRED CT'S AND METERING AND DISCONNECT IN SPACE. LANDLORD SHALL ALSO PROVIDE, INSTALL AND CONNECT ELECTRICAL SERVICE TO, ONE (1) 600 AMP RATED ELECTRICAL PANEL WITH FED THROUGH LUG KIT AND TENANT TO PROVIDE ONE (1) 600 AMP RATED ELECTRICAL PANEL.

WIRE AND CONDUIT SIZES SHOWN ARE FOR COPPER CONDUCTORS WITH 75°C RATED INSULATION. LANDLORD CONTRACTOR TO PROVIDE PROPERLY SIZED CONDUIT & WIRE TO COMPENSATE FOR ALUMINUM FEEDERS OR VOLTAGE DROP AS REQUIRED.

CONTRACTOR IS RESPONSIBLE FOR, BUT NOT LIMITED TO, ALL WORK DOWNSTREAM OF LANDLORD PROVIDED ELECTRICAL PANEL.

ALL WORK SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS AND LOCAL CODE. CONTRACTOR BID SHALL INCLUDE ALL WORK NECESSARY FOR A FULLY OPERATIONAL SYSTEM.

LANDLORD SHALL CONTACT THE ELECTRIC UTILITY CO. TO VERIFY ALL DETAILS OF NEW SERVICE IF EXISTING BUILDING ELECTRICAL SERVICE IS NOT ADEQUATE AND IS RESPONSIBLE FOR ANY FEES.

CONTRACTOR IS RESPONSIBLE FOR A COMPLETE AND OPERATIONAL SYSTEM IN COMPLIANCE WITH NEC AND ALL STATE AND LOCAL CODES.

DESIGN DEVELOPMENT ONLY - NOT INTENDED FOR CONSTRUCTION USE

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STARBUCKS TEMPLATE VERSION i2020-01-31

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PROJECT NAME:
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PROJECT ADDRESS:
12321 NC 210 HWY
BENSON, NC 27504
JOHNSTON COUNTY

STORE #:	TBD
PROJECT #:	91320-001
ISSUE DATE:	08.16.2021
SR. DESIGN MANAGER:	G. AVILA
PRODUCTION DESIGNER:	E. DONCHEVA
CHECKED BY:	BMS/XXX

Revision Schedule

Rev	Date	By	Description

SHEET TITLE:
PANEL SCHEDULES

SCALE: AS SHOWN

SHEET NUMBER:
E601