

PANELBOARD										A		SCHEDULE													
VOLTAGE: 208Y/120V MAINS 600A MCB BUS SIZE: 600 AMP TOTAL LOAD 150.0 KVA										MOUNTING		RECESSED		REMARKS:		PROVIDED BY THE LANDLORD PROVIDED W/ GRD AND ISOLATED GRD BARS									
No.	SERVES	WIRE SIZE	LTG	RCPT	LOAD (KVA)	MTR	A/C	HTG	KITCH	BRKR TRIP	P	A	PH	B	C	BRKR TRIP	KITCH	HTG	A/C	MTR	RCPT	LTG	WIRE SIZE	SERVES	No.
1					2.6					30	3					3	50		4.9				8	RTU -3 (EXISTING)	2
3	CU-1	10			2.6														4.9						4
5					2.6														4.9						6
7					2.6														4.3						8
9	CU-2	10			2.6					30	3					3	50		4.3				8	RTU-1 (EXISTING)	10
11					2.6														4.3						12
13	ICE MACHINE COND. '10J-S' (1,4)	12			1.2					20	2					2	30	3.0					10	REAR DOOR	14
15	(BEVERAGE STATION)				1.2													3.0						HEATED AIR CURTAIN 'M8A'	16
17	WALK-IN COOLER COIL '31M' (1)	12			0.3					20	1					1	20							SPARE	18
19	WALK-IN COOLER COND. '31-S' (1,7)	10			2.8					35	2					1	20							SPARE	20
21					2.8														4.9						22
23	WALK-IN FREEZER COND. '32-S1' (1,7)	8			3.3					40	2					3	50		4.9				8	RTU -2 (EXISTING)	24
25					3.3														4.9						26
27	FUTURE PATIO HEATER									40	2					2	40							FUTURE PATIO HEATER	28
29																									30
31	FUTURE PATIO HEATER									40	2					2	40							FUTURE PATIO HEATER	32
33																									34
35	SPARE									20	1					3	100	9.9	1.5	0.0	0.0	7.5	6.5	PANEL 'C'	36
37	SPACE																								38
39	SPACE															1	20							SPARE	40
41	SPACE																								42
	UNUSABLE SPACE															3	200A SUB BKR.	26.1	0.0	0.0	13.1	0.8	5.8	PANEL 'B'	
																		36.0	7.5	42.3	43.6	8.3	12.3	CONNECTED KVA	150.0
																								NEC KVA	159.8
																								AMPS	443.6

Service Entrance Load Summary					
Lighting	12.30	x	125%	=	15.38 KVA
Receptacles	8.30	+	0.00	x 50%	= 8.30 KVA
Motor	43.60	+	5.4	x 125%	= 50.35 KVA
Heating	7.50				= 7.50 KVA
AC	42.3				= 42.30 KVA
Kitchen	36.00		x 100%	=	36.00 KVA

Main Service Entrance Ampere Requirements	443.63 Amps
Main Service Fuse size	OK

PANDA EXPRESS ELECTRICAL CONTRACTOR SHALL MODIFY THE EXISTING BREAKERS TO EXISTING ELECTRICAL PANELS 'A' AND 'B' TO MATCH WHAT IS INDICATED ON THE PANELBOARD SCHEDULES. THE PANDA EXPRESS ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL THE ADDITIONAL NEW PANEL 'C' AND THE BREAKERS.

NOTES:

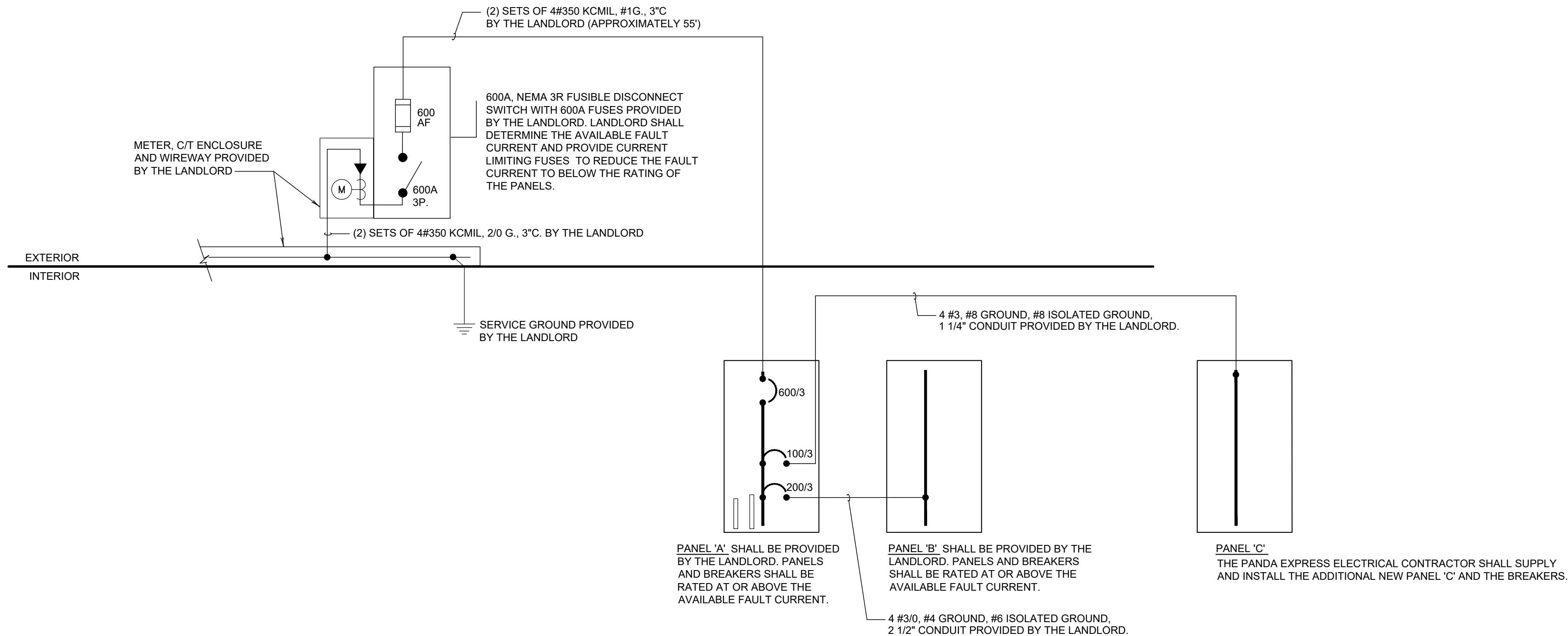
- 1) INTERIOR PANELBOARDS THAT ARE PROVIDED BY THE LANDLORD SHALL BE RECESSED WITH FLANGED/REMOVABLE SCREW-ON COVERS. SURFACE MOUNTED PANELBOARDS OR HINGED/FLUSH COVERS ARE NOT ALLOWED.
- 2) LANDLORD'S CONTRACTOR SHALL PROVIDE AN ARC FLASH WARNING SIGN FOR EACH PANEL PER NEC 110.16.

PANELBOARD NOTES ()

1. KITCHEN EQUIPMENT SHOWN AT 100% IN PANEL SCHEDULE. 65% DEMAND FACTOR TAKEN IN LOAD SUMMARY AS ALLOWED BY THE NEC 220.56.
2. TERMINATE GROUND ON ISOLATED GROUND BUS.
3. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR CONTROLLED BY TIMECLOCK. REFER TO DETAILS, 11/E-400.
4. WIRE SIZE INCREASE DUE TO VOLTAGE DROP. SIZE EQUIPMENT GROUND CONDUCTOR PROPORTIONALLY PER THE NEC.
5. PROVIDE GROUND FAULT EQUIPMENT PROTECTION (GFEF) TYPE CIRCUIT BREAKER FOR HEAT TAFE.
6. GFCI BREAKER.
7. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE).
8. IF A 50A, 2P GFCI BREAKER IS NOT AVAILABLE FROM THE PANEL MANUFACTURER THEN THE CONTRACTOR SHALL PROVIDE A REMOTE GFCI DEVICE ALONG WITH A STANDARD 50A, 2P CIRCUIT BREAKER.

PANELBOARD										B			SCHEDULE										
		VOLTAGE: BUS SIZE:		208Y/120V 225 AMP		MAINS TOTAL LOAD		225 MLO 45.6 KVA		MOUNTING		RECESSED		REMARKS:		PROVIDED BY THE LANDLORD PROVIDED W/ GRD AND ISOLATED BRD BARS							
No.	SERVES	WIRE SIZE	LTG	RCPT	LOAD (KVA)				BRKR	TRIP	P	PH A B C	BRKR	TRIP	KITCH	HTG	LOAD (KVA)		WIRE	SERVES	No.		
					MTR	A/C	HTG	KITCH				P					A/C	MTR	RCPT	LTG			
1					1.1													0.7			2		
3	EF-1	12			1.1				15	3			3	15				0.7		12	EF-2	4	
5					1.1													0.7			6		
7					2.5								1	20	0.5					12	HOOD CONTROL PANEL 'M4'	8	
9	MAU-1	8			2.5				45	3			1	20							SPARE	10	
11					2.5								1	20							SPARE	12	
13	FIRE SUPPRESSION SYS. (1,4,6)	12					0.2	20	1				1	20							SPARE	14	
15	21G' MJ345 FRYER (1,6)	12					1.0	20	1				1	20					1.3	12	LIGHTING - DINING AREA	16	
17	RICE HOLDING CAB 24H' (1,4,6)	10					1.8	20	1				1	20					0.2	12	LIGHTING - RESTROOMS	18	
19	MICROWAVE '55A' (1)	12					1.4	15	2				1	20			0.2		1.3	10	LTG. - FOOD PREP / EM / EF-3M (4)	20	
21							1.4						1	20				0.6	12	W-IN CLR DISP LTS/ MENU BD/ LED	22		
23	ELECTRIC GRIDDLE '23E' (1,8)	6					3.6	50	2				1	20					1.2	12	SHOW WINDOW RECEPTACLES	24	
25							3.6						1	20					1.0		ID SIGN 'S1' & LOGO 'S2'	26	
27	RECEPT. FUTURE EQUIP. (1,6)	12					0.4	20	1				1	20	1.3						INDUCT DRY WELL '3J, '3K, GFI (1,4)	28	
29	USED OIL STORAGE TANK	12		0.6					20	1			1	20	1.3						10	INDUCT DRY WELL '3J, '3K, GFI (1,4)	30
31	RADIANT TOP HEATER 'IS2B1' (1)						1.1	20	1				1	20	1.3						10	INDUCT DRY WELL '3J, '3K, GFI (1,4)	32
33	RADIANT TOP HEATER 'IS2B1' (1)	12					1.1	20	1				1	20	1.3						10	INDUCT DRY WELL '3J, '3K, GFI (1,4)	34
35	RADIANT TOP HEATER 'IS2B2' (1)	12					0.9	20	1				1	20	1.3						10	INDUCT DRY WELL '3J, '3K, GFI (1,4)	36
37	PATIO STRING LIGHTS	12	0.2						20	1			1	20	1.3						10	INDUCT DRY WELL '3J, '3K, GFI (1,4)	38
39	FUTURE PATIO SHADES								20	1			1	20	1.3						10	INDUCT DRY WELL '3J, '3K, GFI (1,4)	40
41	FUTURE PATIO SHADES								20	1			1	20					0.2	12	TO GO UNIT	42	
																				CONNECTED AMPS		127.2	

PANELBOARD										C	SCHEDULE													
		VOLTAGE:		208Y/120V		MAINS 100A		MLO		MOUNTING		RECESSED		REMARKS:										
		BUS SIZE:		100 AMP		TOTAL LOAD		25.4 KVA								PROVIDED W/ GRD AND ISOLATED GRD BARS								
No.	SERVES	WIRE SIZE	LOAD (KVA)						BRKR	PH			B		KITCH	HTG	A/C	MTR	RCPT	WIRE SIZE	SERVES	No.		
			LTG	RCPT	MTR	A/C	HTG	KITCH		A	B	C	P	TRIP									TRIP	TRIP
1	RECEPTACLES - RTUS	12		0.8						20	1			1	20	0.8					12	95-4 S3, FLY LIGHT, CO2 (1.6)	2	
3	EXTERIOR RECEPTACLES	12		0.4						20	1			1	20	1.2					12	FOOD PROCESSOR (1)	4	
5	GENERAL RECEPTACLES	12		0.4						20	1			2	20	0.8					12	THAWING CABINET '40T' (1.6)	6	
7	OLO PRINTER	12		0.2						20	1					0.8							8	
9	GAS WATER HEATERS -'P3' GFI	12						1.0		20	1			1	20	0.4					12	RECEPT - FUTURE EQUIP (1.6)	10	
11	COKE CARBONATOR (6)	12		0.3						20	1			1	20				0.2		12	PATIO HTR CONTACTOR/COILS	12	
13	BOOSTER OUTLET (6)	12		0.9						20	1			1	20	1.8					10	ICE TEA BREWER '9D' (1.4)	14	
15	ICE MACHINE '10J' (1)	12		0.3						20	1			1	20				0.2		12	BEV DISP '4AB (1)	16	
17	FAX '87' MGR '84C' COMP '49A'	12		1.0						20	1			1	20				0.2		12	SERVING COUNTER	18	
19	MUSIC, VCR, MONITOR	12		0.6						20	1			1	20				0.2		12	FUTURE EQUIPMENT	20	
21	COMPUTER RECEPT '83A'	12		0.5						20	1			1	20				0.2		12	DUST DETECTORS	22	
23	SERVICE POS '94' PTR '86A' (2)	12		1.1						20	1			1	20						12	RICE WARMER '54' (1)	24	
25	REFRIG. PREP TABLE '34D' (1)	12							1.1	20	1			1	20						12	HEAT WRAP - '32-S7' (5)	26	
27	UNDERCTR FREEZER '34Jn (1,4)	12							1.1	20	1			1	20						12	SWARE	28	
29	REFRIG. PREP TABLE '34O' (1)	10							1.8	20	1			1	20							SWARE	30	
																9.9	1.5	0.0	0.0	7.5	6.5	CONNECTED KVA		25.4
																						CONNECTED AMP		70.6



1. ENTIRE INSTALLATION TO COMPLY WITH N.E.C. 110.22 AND 240.8(B).
2. NO DESIGN CHANGES MAY BE MADE TO THE SYSTEM WITHOUT THE PRIOR APPROVAL OF THE DESIGN ELECTRICAL ENGINEER AND THE ELECTRICAL INSPECTOR.
3. UNLESS NOTED, ALL DEVICES AND TERMINATIONS 100 AMPS AND LESS TO BE RATED FOR 60°C WIRE, OVER 100 AMPS, 75°C WIRE.
4. ALL WIRE #8 AND SMALLER TO BE THWN/THHN CU.; #6 AND LARGER TO BE XHHW CU.

SINGLE LINE DIAGRAM	2
NOT TO SCALE	E-601



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REVISIONS:

HEALTH RESPONSE 1	2022-11-30

ISSUE DATE:

	LANDLORD REVIEW	03-04-2022
	FINAL LANDLORD REV.	06-20-2022
	PERMIT	07-19-2022
	BID SET	10-06-2022
	CONSTRUCTION SET	01-16-2023

DRAWN BY: G. COLLINS

PANDA PROJECT #: D7861
ARCH PROJECT #: JCDT21-0268

I certify that these documents were prepared or approved by me, and that I am a duly licensed architect/ engineer under the laws of the State of Maryland, license number Sean P. Pick-Kell 52379 , expiration date 03-08-2024

NORR
ARCHITECTS ENGINEERS PLANNERS

PANDA EXPRESS

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E-601

PANELS, SINGLE LINE, LOAD CALC'S

TRUE WARM & WELCOME 2300 R6 RR

CONSTRUCTION SET 01-16-2023