



ASSOCIATED DESIGN GROUP, INC.
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Project No. 24174

PANEL: XP3A

VOLTAGE 480/277.3Ø.4W

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
■ FULLY RATED
□ SERIES RATED

AMP ■ FACTORY MAIN CIRCUIT BREAKER
□ SHUNT TRIP MAIN CB
■ MAIN LUGS ONLY
□ UL LISTED FEED-THRU LUGS

NEUTRAL ■ 100% □ 200%

MOUNTING ■ SURFACE □ RECESSED
□ FREE STANDING (FRONT ACCESS ONLY)
□ FREE STANDING (FRONT AND REAR ACCESS)

FEED □ TOP
■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR
□ FUSIBLE SWITCHES, FURNISH ALL FUSES...
□ PLUG-ON, LOADCENTER CONSTR.

A.I.C. Rating: 22k

CKT #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	# POLES	A	B	C	A	B	C	# POLES	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT #
1	20 A	12	12	1/2"	LIGHTING WOMEN 319		1	246 VA			221 VA			1		LIGHTING WOMEN 319	1/2"	12	12	20 A	2
3								231 VA		0 VA		0 VA		1	--	SPARE	--	--	--	20 A	4
5	40 A	8	10	3/4"	PANEL XP4A		3	0 VA		0 VA		0 VA		1	--	SPARE	--	--	--	20 A	6
7										0 VA				1	--	SPARE	--	--	--	20 A	8
9	20 A	--	--	--	SPARE	--	1	0 VA		0 VA		0 VA		1	--	SPARE	--	--	--	20 A	10
11	20 A	--	--	--	SPARE	--	1			0 VA			0 VA	1	--	SPARE	--	--	--	20 A	12
13	20 A	--	--	--	SPARE	--	1	0 VA						1	--	PROVISIONED SPACE	--	--	--	--	14
15	20 A	--	--	--	SPARE	--	1	0 VA						1	--	PROVISIONED SPACE	--	--	--	--	16
17	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	18
19	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	20
21	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	22
23	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	24
25	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	26
27	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	28
29	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	30
31	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	32
33	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	34
35	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	36
37	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	38
39	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	40
41	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	42

TOTAL LOAD = 0.7 kVA
TOTAL AMPS = 1 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	698 VA	100.00%	698 VA	
				Total Conn. Load: 698 VA
				Total Est. Load: 0.7 kVA
				Total Conn.: 1 A
				Total Est. Amps: 1 A

Notes:

PANEL: K

VOLTAGE 120/208.3Ø.4W

ENCLOSURE ■ NEMA 1 (TOOL-LESS DOOR-IN-DOOR CONSTRUCTION)
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□ SERIES RATED

AMP ■ FACTORY MAIN CIRCUIT BREAKER
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■ MAIN LUGS ONLY
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NEUTRAL ■ 100% □ 200%

MOUNTING ■ SURFACE □ RECESSED
□ FREE STANDING (FRONT ACCESS ONLY)
□ FREE STANDING (FRONT AND REAR ACCESS)

FEED □ TOP
■ BOTTOM

BRANCHES ■ BOLT-ON, PANELBOARD CONSTR
□ FUSIBLE SWITCHES, FURNISH ALL FUSES...
□ PLUG-ON, LOADCENTER CONSTR.

A.I.C. Rating: 10k

CKT #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	# POLES	A	B	C	A	B	C	# POLES	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT #
1	60 A	8	10	1"	ELECTRIC OVEN		2	5000 VA			1664 VA			2	*	ROLLER CREPE GRILL	1/2"	12	12	20 A	2
3	--	--	--	--	SHUNT TRIP	--	1		5000 VA			1664 VA		1	*	NACHO HEATER	1/2"	12	12	20 A	4
5	--	--	--	--	GENERAL RECEP	--	1	1600 VA			1920 VA			1	*	SERVING STATION	1/2"	12	12	20 A	6
7	20 A	12	12	1/2"	SANDWICH PREP TABLE	*	1	852 VA			360 VA			1	*	WORKTOP REF	1/2"	12	12	20 A	8
9	20 A	12	12	1/2"	RECEP	*	1		840 VA			840 VA		1	*	RECEP	1/2"	12	12	20 A	10
11	20 A	12	12	1/2"	FRYER	1	1	240 VA			840 VA			1	1	FRYER	1/2"	12	12	20 A	12
13	20 A	12	12	1/2"	SHUNT TRIP	--	1							1	--	SHUNT TRIP	1/2"	12	12	20 A	14
15	--	--	--	--	REF	--	1	3360 VA			1080 VA			1	--	FOOD WARMERS	1/2"	12	12	20 A	16
17	20 A	12	12	1/2"	REF	*	1	1800 VA			384 VA			1	*	HEATED FOOD WELL	1/2"	12	12	20 A	18
19	50 A	8	10	1"	FOOD WELL UNIT	*	1				3120 VA			2	*	SHAKE MACHINE	3/4"	10	10	30 A	20
21	20 A	12	12	1/2"	EQUIPMENT RECEP	*	1		1080 VA			480 VA		1	*	GAS RANGE	1/2"	12	12	20 A	22
23	20 A	12	12	1/2"	REFRIGERATED TABLE	1	1	840 VA						1	1	SHUNT TRIP	1/2"	12	12	20 A	24
25	--	--	--	--	SHUNT TRIP	--	1							1	--		--	--	--	--	26
27	--	--	--	--		--	1							1	--		--	--	--	--	28
29	--	--	--	--		--	1							1	--		--	--	--	--	30
31	--	--	--	--		--	1							1	--		--	--	--	--	32
33	--	--	--	--		--	1							1	--		--	--	--	--	34
35	--	--	--	--		--	1							1	--		--	--	--	--	36
37	20 A				FREEZER/COOLER CU		3	557 VA		557 VA		557 VA		3		FREEZER/COOLER CU					38
39	--	--	--	--		--	1		557 VA			557 VA		1	--		--	--	--	--	40
41	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	42

TOTAL LOAD = 30.8...
TOTAL AMPS = 85 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Power	924 VA	100.00%	924 VA	
RECEP	30540 VA	66.37%	20270 VA	
A/C SPLIT SYSTEM	3343 VA	100.00%	3343 VA	
COOKING/ KITCHEN	6240 VA	100.00%	6240 VA	
				Total Conn. Load: 41047 VA
				Total Est. Load: 30.8 kVA
				Total Conn.: 114 A
				Total Est. Amps: 85 A

Notes:
1. SHUNT TRIP INTERCONNECTED WITH KITCHEN HOOD. *GFI BREAKER

PANEL: XP4A

VOLTAGE 480/277.3Ø.4W

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FEED □ TOP
■ BOTTOM

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A.I.C. Rating: 22k

CKT #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	# POLES	A	B	C	A	B	C	# POLES	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT #
1	20 A	12	12	1/2"	LIGHTING LOBBY C400		1	99 VA			132 VA			1		LIGHTING LOBBY C400	1/2"	12	12	20 A	2
3	20 A	--	--	--	SPARE	--	1		0 VA		0 VA		0 VA	1	--	SPARE	--	--	--	20 A	4
5	20 A	--	--	--	SPARE	--	1		0 VA		0 VA		0 VA	1	--	SPARE	--	--	--	20 A	6
7	20 A	--	--	--	SPARE	--	1	0 VA			0 VA			1	--	SPARE	--	--	--	20 A	8
9	20 A	--	--	--	SPARE	--	1	0 VA			0 VA			1	--	SPARE	--	--	--	20 A	10
11	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	12
13	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	14
15	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	16
17	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	18
19	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	20
21	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	22
23	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	24
25	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	26
27	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	28
29	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	30
31	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	32
33	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	34
35	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	36
37	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	38
39	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	40
41	--	--	--	--	PROVISIONED SPACE	--	1							1	--	PROVISIONED SPACE	--	--	--	--	42

TOTAL LOAD = 0.2 kVA
TOTAL AMPS = 0 A

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LIGHTING	231 VA	100.00%	231 VA	
				Total Conn. Load: 231 VA
				Total Est. Load: 0.2 kVA
				Total Conn.: 0 A
				Total Est. Amps: 0 A

Notes:

PANEL: PK

VOLTAGE 480/277.3Ø.4W

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CKT #	TRIP AMPS	WIRE	GND	COND.	LOAD DESCRIPTION	NOTES	# POLES	A	B	C	A	B	C	# POLES	NOTES	LOAD DESCRIPTION	COND.	GND	WIRE	TRIP AMPS	CKT #	
1								17442...			0 VA											2
3	70 A	4	8	1-1/4"	PANEL K (VIA TRASFORMER)		3	13910...		9694 VA		0 VA		3	--	SPARE	--	--	--	60 A	4	
5								2439 VA		9694 VA		466 VA		0 VA								6
7								2439 VA		2439 VA		466 VA		466 VA								8
9	20 A	12	12	1/2"	PCU-1		3	2439 VA		2439 VA		466 VA		466 VA		MAU-1	1/2"	12	12	20 A	10	
11	--	--	--	--	PROVISIONED SPACE	--	1			2439 VA												