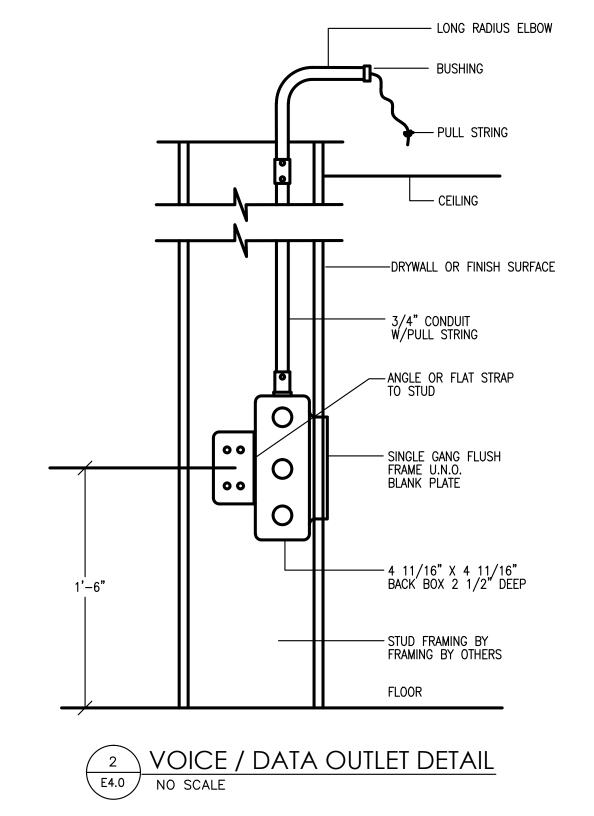
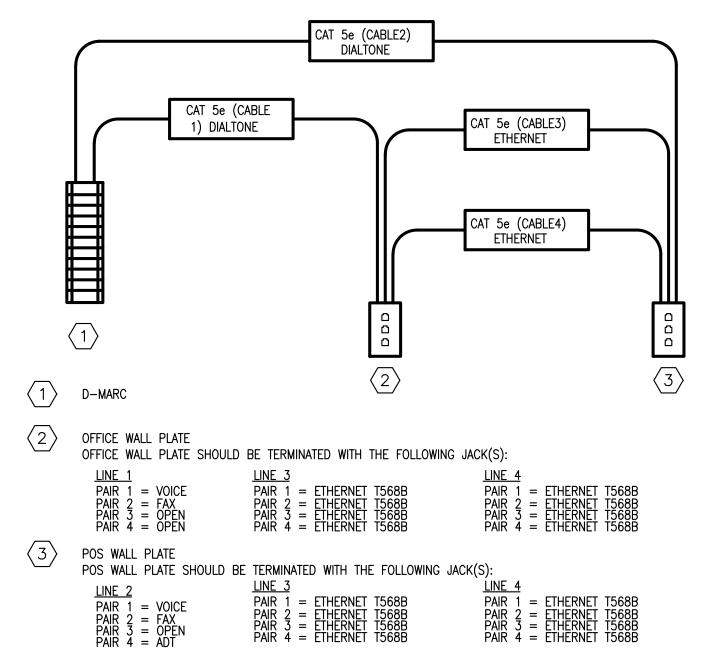
ELECTRICAL RISER DIAGRAM
NO SCALE:





TWO LINE JACK SET-UP

E4.0 NO SCALE:

						P	PANEL	BOAR	D							
ANEL: EXISTING KP1 *	TYPE: NQOD				BUS: 400A				VOLTAGE: 120/				3 PHAS	SE, 4 W	RE	
OCATION: RM 106	MOUNTING: FLUSH ⇒ SURFACI				MAIN:	400A MAIN BREAKER			NEUTRAL	_: ⇒	⇒ 100% 200%		OPTIO	NS: ⇒	BOLT-ON CIRCUIT BREAKERS FEED THRU LUGS	
ENCLOSURE: NEWA 1 BUS TYPE: COPPER	FEEDEI	?: ⇒	TOP	MAIN LUGS ONLY					GROUND: ⇒ EQUIPME ISOLATE					$\Rightarrow$	MONO-FLUSH TRIM SHUNT TRIP	
	22,000	AIC	вотто	PIVI							ISOLA	IED				
ПЕМ	TYPE	AMP. RATING	POLE	CIR. NO.	LEFT A	ΓPHASE L B	OAD C	RIGH A	TPHASE L	_OAD C	CIR. NO.	AMP. RATING	POLE	TYPE	ПЕМ	
EWNL LIGHTING	L	20***	1	1	428			352			2	20	1	L	LIGHTING	
EXIT SIGNS		20***	1	3		75			390		4	20	1	L	LIGHTING	
LIGHTING	1	20	1	5			442			296	6	20	1	L	LIGHTING	
LIGHTING	L	20	1	7	234			660			8	20	1	E	210-36 - WORK-TOP REFRIGERATOR	
LIGHTING	L	20	1	9		261			816		10	20	1	E	215-27 - WORK-TOP FREEZER	
105 - TORTILLA WARMER	E	20	1	11			1800			960	12	20	1	E	218 - (2) SANDWICH TOP REFRIGERATOR	
105 - TORTILLA WARMER	E	20	1	13	1800			1260			14	20	1	E	220 - MERCHANDISER	
106 - QUESADILLA TOASTER	E	20	1	15		1800			1536		16	20	1	E	225 - ICE MACHINE	
106 - QUESADILLA TOASTER	E	20	1	17			1800			324	18	20	1	E	235 - COOLER LIGHTS	
107 - MOBILE FOOD WARMER	E	20	1	19	1200			3840			20	40	3	E	EXISTING HEAT PUMP	
108 - 2 WELL HOT FOOD TABLE	E	20	1	21		1500			3840		22	-	-	Е	"	
110 - HOT FOOD TABLE	E	25	2	23			1730			3840	24	-	-	E	"	
11	E	-	-	25	1730			2400			26	25	1	Е	405 - HOOD LIGHTS	
EXISTING TOILET EXHAUST FAN	E	20	1	27		300			1800		28	20	1	R	530 - GENERAL DUTY RECEPTACLE	
EXISTING KITCHEN EXHAUST FAN	E	25	3	29			2004			1800	30	20	1	R	530 - GENERAL DUTY RECEPTACLE	
11	E	-	-	31	2004			1800			32	20	1	R	530 - GENERAL DUTY RECEPTACLE	
"	E	-	-	33		2004			1800		34	20	1	R	535 - GENERAL DUTY RECEPTACLE	
SPARE	S	20	1	35			0			1800	36	20	1	R	535 - GENERAL DUTY RECEPTACLE	
PANEL: KP2	E	225	3	37	12055			3840			38	40	3	Е	EXISTING HEAT PUMP	
"	E	-	-	39		10855			3840		40	-	-	Е	"	
"	E	-	-	41			10379			3840	42	-	-	Е	"	
CONNECTED LOAD CONNECTED LOAD PER F	` '	۸)			19451 33603	16795 30817	18155 31015	14152	14022	12860						
							DEM	IA ND				ı				
				$\vdash$	Т	YPE			FACTOR LOAD							
				L I LIGHTING					1.00		78					
				R	I	CEPTACL			80	720	-					
				M		MOTORS			00	0						
				E		EQUIPMEN			00	839						
				S		SPARE			00	0						
				Х		SPACE			00	0						
						TED LOAI	)				VA					
					DEMAND					93635						
				TOTAL	ESTIMAT	ED DEMA	ND			260	AMPS					

NOTE: WHERE INDICATED ABOVE:

\* MODIFY THE EXISTING PANEL TO INCLUDE AN ISOLATED GROUND BUS.

\*\* PROVIDE G.F.I. CIRCUIT BREAKER

\*\*\* PROVIDE LOCAL CODE APPROVED LOCK-OUT CIRCUIT BREAKER

\*\*\*\* PROVIDE ARC FAULT CIRCUIT BREAKER

						F	PANELI	BOAR	D									
PANEL: KP2	TYPE: NQOD				BUS: 225A				VOLTAGE: 120/ 208			208	8 3 PHASE, 4 WIRE					
LOCATION: RM 106 PANEL WIDTH 20"	MOUNTING: FLUSH  ⇒ SURFACE  FEEDER: ⇒ TOP  BOTTOM				MAIN: MAIN BREAKER ⇒ MAIN LUGS ONLY				NEUTRAL:		⇒ 100% 200% ⇒ EQUIPMENT ISOLATED				BOLT-ON CIRCUIT BREAKERS FEED THRU LUGS			
ENCLOSURE: NEMA 1 BUS TYPE: COPPER				M				GROUND:		: ⇒				$\Rightarrow$	MONO-FLUSH TRIM SHUNT TRIP			
SHORT CIRCUIT RATING:	22,000		1			PHASEL	OAD I	DICLI	TDUACEL	040					T			
ITEM	TYPE	AMP. RATING	POLE	CIR. NO.	A	B	C	A	TPHASE L	C	CIR. NO.	AMP. RATING	POLE	TYPE	ПЕМ			
705 - ICE MAKER HEAD	E	20	2	1	1144			720			2	20	1	R	GENERAL RECEPTACLES			
"	E	-	-	3		1144			180		4	20	1	R	TOILET ROOM RECEPTACLE			
710 - DRINK DISPENSER	E	20	1	5			624			600	6	20	1	R	POS RECEPTACLES			
710.1 - BAG-N-BOX DRINK CARBONATOR	E	20	1	7	1800			720			8	20	1	R	TELEPHONE BOARD OUTLET			
SPARE	S	20	1	9		0			708		10	20	3	Е	236 - COOLER COMPRESSOR			
715 - ICE TEA BREWER	E	20	1	11			1784			708	12	-	-	Е	"			
785 - DIGITAL TIMER	R	20	1	13	180			708			14	-	- 1	Е	"			
815 - POS REGISTERS	E	25	1	15		2400			360		16	20	1	Е	WH-1, WH-2			
125 - CONVECTION THERMOLIZER	E	30	3	17			2640			867	18	15	3	Е	DUMBWAITER			
11	E	-	-	19	2640			867			20	-	-	Е	"			
П	E	-	-	21		2640			867		22	-	-	Е	"			
205-60 - SANDWICH TOP REFRIGERATOR	E	20	1	23			1080			1596	24	20	3	Е	MAU-1			
135 - CHIP WARMER	E	20	1	25	480			1596			26	-	-	Е	"			
136 - CHIP WARMER	E	20	1	27		960			1596		28	-	-	Е	"			
137 - CHIP WARMER	E	20	1	29			480			0	30	20	1	Х	SPACE			
132 - MOBILE WARMING CABINET	E	20	1	31	1200			0			32	20	1	Χ	SPACE			
SPACE	Х	20	1	33		0			0		34	20	1	Χ	SPACE			
SPACE	Х	20	1	35			0			0	36	20	1	Χ	SPACE			
SPACE	Х	20	1	37	0			0			38	20	1	Χ	SPACE			
SPACE	Х	20	1	39		0			0		40	20	1	Χ	SPACE			
SPACE	X	20	1	41			0			0	42	20	1	Χ	SPACE			
CONNECTED LOAD (VA) CONNECTED LOAD PER PHASE (VA)					7444 12055	7144 10855	6608 10379	4611	3711	3771								
			ı				DEM	AND				1						
									FACTOR LOA			1						
						LIGHTING			.00	(	0							
				R	RECEPTACLES		0.80		19	1920								
				М		MOTORS	;	1.	.00	C	)	1						
				Е	E	QUIPMEN	П	1.	.00	308	889	1						
				S					1.00		0							
				Х		SPACE		0.	.00	(	)	]						
				TOTAL	CONNEC	TED LOA	D			33289	VA							
					TOTAL DEMAND LOAD						32809 VA							
				TOTAL	ESTIMAT	FD DFMA	ND			91	AMPS	1						

NOTE: WHERE INDICATED ABOVE:

\* MODIFY THE EXISTING PANEL TO INCLUDE AN ISOLATED GROUND BUS.

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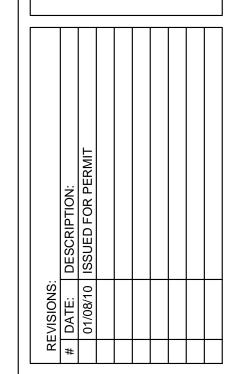
330.357.0540 (F) 630.357.0164

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20 E. Chicago Avenue Chicago II. 60611-2009



PROJECT NUMBER: 09-116
DRAWN BY: TMR
CHECKED BY: JMD

ELECTRICAL
RISER
AND
SCHEDULES

SHEET NUMBER:

E4.0