

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
fifty one inches = one foot
fifty two inches = one foot
fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
sixty one inches = one foot
sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
sixty five inches = one foot
sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot

BUILDING 11											
NORMAL POWER											
EXISTING											
PANEL L1C											
WITH GND BUS											
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, SOLID/NEUT. MAINS: 225 AMP W/ MCB CABINET: SURFACE MOUNTING: 200A-3P MAIN BREAKER											
LOAD	WIRE	BRKR	QCT		QCT	BRKR	WIRE	LOAD			
EX LOAD		20/1	1		2	20/1		EX LOAD			
		20/1	3		4	30/2					
		20/1	5		6						
(N)2 REC 360W	#12	20/1	7		8	20/1					
(N)REC-DISPOSAL	#12	20/1	9		10	20/1					
(N)REC-TV 300W	#12	20/1	11		12	20/1					
(N)BOX VAV	#12	20/1	13		14	20/1					
(N)FIREPLACE 500W	#12	20/2	15		16	20/1					
		20/1	17		18	20/1					
EX LOAD		20/1	19		20	20/1					
		20/1	21		22	20/1		SPARE			
		20/1	23		24	20/1		SPARE			
		20/1	25		26	20/1		SPARE			
		20/1	27		28	20/1		SPARE			
SPARE		20/1	29		30	20/1		SPARE			
		20/1	31		32	20/1					
		20/1	33		34	20/1					
		20/1	35		36	20/1					
		20/1	37		38	20/1					
		20/1	39		40	20/1					
		20/1	41		42	20/1					
TOTAL CONNECTED LOAD= 37,300VA											

LOAD ANALYSIS
EXISTING PANEL "L1C"
EXISTING LOAD = 58.4AX1.25 73AMPS
NEW LOAD = 7.3AMPS
TOTAL LOAD 104.5AMPS
PANEL IS RATED FOR 225A. NO CHANGE IS REQUIRED.

BUILDING 11											
NORMAL POWER											
EXISTING											
PANEL L2A											
WITH GND BUS											
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, SOLID/NEUT. MAINS: 225 AMP W/ MCB CABINET: SURFACE MOUNTING: 200A-3P MAIN BREAKER											
LOAD	WIRE	BRKR	QCT		QCT	BRKR	WIRE	LOAD			
EX LOAD		20/1	1		2	20/1		EX LOAD			
		20/1	3		4	20/1					
		20/1	5		6	20/1					
		20/1	7		8	20/1					
		20/1	9		10	20/1					
		20/1	11		12	20/1					
11-EF-1 1Ø1/6HP	#12	20/1	13		14	20/1					
11-EF-2 1Ø1/6HP	#12	20/1	15		16	20/1					
EX LOAD		20/1	17		18	20/1					
		20/1	19		20	20/1					
		20/1	21		22	20/1					
		30/1	23		24	20/1					
		20/1	25		26	20/1	#12	(N)2 REC 360W			
		20/1	27		28	20/1	#12	(N)2 REC 360W			
		20/1	29		30	20/1	#12	(N)REC-PC 600W			
(N)REC-PC 600W	#12	20/1	31		32	20/1	#12	(N)REC-HOOD 380W			
(N)REC-TV 300W	#12	20/1	33		34	20/1		SPACE			
(N)REC-PC 600W	#12	20/1	35		36	40/2	#8	(N)REC-RANGE 5800W			
(N)REC-TV 300W	#12	20/1	37		38						
(N)REC-DISH 400W	#12	20/1	39		40	20/1		SPACE			
SPARE		20/1	41		42	20/1	#12	(N)3 REC 540W			
TOTAL CONNECTED LOAD= 28,200VA											

LOAD ANALYSIS
EXISTING PANEL "L2A"
EXISTING LOAD = 41.9AX1.25 52.4AMPS
NEW LOAD = 29.4AMPS
TOTAL LOAD 81.8AMPS
PANEL IS RATED FOR 225A. NO CHANGE IS REQUIRED.

BUILDING 11											
NORMAL POWER											
EXISTING											
PANEL L2C											
WITH GND BUS											
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, SOLID/NEUT. MAINS: 225 AMP W/ MCB CABINET: SURFACE MOUNTING: 200A-3P MAIN BREAKER											
LOAD	WIRE	BRKR	QCT		QCT	BRKR	WIRE	LOAD			
EX LOAD		20/1	1		2	20/1		EX LOAD			
		20/1	3		4	30/2					
		20/1	5		6						
(N)REC-OVEN 3KW	#12	20/2	7		8	20/1					
		20/1	9		10	20/1					
(N)REC-MICRO 1550W	#12	20/1	11		12	20/1					
(N)2 REC 360W	#12	20/1	13		14	20/1					
(N)REC-DISPOSAL	#12	20/1	15		16	20/1					
(N)REC-TV 300W	#12	20/1	17		18	20/1					
EX LOAD		20/1	19		20	20/1					
		20/1	21		22	20/1		SPARE			
		20/1	23		24	20/1		SPARE			
		20/1	25		26	20/1		SPARE			
		20/1	27		28	20/1		SPARE			
		20/1	29		30	20/1		SPARE			
(N)BOX VAV	#12	20/1	31		32	20/1		EX LOAD			
(N)FIREPLACE 500W	#12	20/2	33		34	20/1					
		20/1	35		36	20/1					
SPARE		20/1	37		38	20/1					
		20/1	39		40	20/1		SPARE			
		20/1	41		42	20/1		SPARE			
TOTAL CONNECTED LOAD= 34,380VA											

LOAD ANALYSIS
EXISTING PANEL "L2C"
EXISTING LOAD = 58.1AX1.25 72.6AMPS
NEW LOAD = 23.5AMPS
TOTAL LOAD 96.1AMPS
PANEL IS RATED FOR 225A. NO CHANGE IS REQUIRED.

BUILDING 11											
EMERGENCY POWER											
EXISTING											
PANEL EL1A											
WITH GND BUS											
SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, SOLID/NEUT. MAINS: 100 AMP W/ MCB CABINET: SURFACE MOUNTING: 100A-3P MAIN BREAKER											
LOAD	WIRE	BRKR	QCT		QCT	BRKR	WIRE	LOAD			
(N)REC-FRIDGE 800W	#12	20/1	1		2	20/1		EX LOAD			
(N)REC-FRIDGE 800W	#12	20/1	3		4	20/1					
EX LOAD		20/1	5		6	20/1					
		20/1	7		8	20/1					
(N)REC-ICEMAKER1800W	#12	20/1	9		10	20/1					
SPARE		20/1	11		12	20/1					
SPARE		20/1	13		14	20/1		SPARE			
EX LOAD		20/1	15		16	20/1		SPARE			
SPARE		20/1	17		18	20/1		SPARE			
		20/1	19		20	20/1		SPARE			
		20/1	21		22	20/1		EX LOAD			
		20/1	23		24	20/1		SPARE			
		20/1	25		26	20/1		EX LOAD			
		20/1	27		28	20/1					
		20/1	29		30	20/1					
		20/1	31		32	20/1					
		20/1	33		34	20/1					
		20/1	35		36	20/1					
		20/1	37		38	20/1					
		20/1	39		40	20/1					
		20/1	41		42	20/1					
TOTAL CONNECTED LOAD= 15,920VA											

LOAD ANALYSIS
EXISTING PANEL "EL1A"
EXISTING LOAD = 28AX1.25 35AMPS
NEW LOAD = 9.5AMPS
TOTAL LOAD 44.5AMPS
PANEL IS RATED FOR 100A. NO CHANGE IS REQUIRED.

EXISTING

PANEL EL2A

WITH GND BUS

SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, SOLID/NEUT.
MAINS: 100 AMP W/ MCB
CABINET: SURFACE MOUNTING: 100A-3P MAIN BREAKER

EMERGENCY POWER

LOAD	WIRE	BRKR	QCT		QCT	BRKR	WIRE	LOAD
(N)REC-FRIDGE 800W	#12	20/1	1		2	20/1		EX LOAD
(N)REC-FRIDGE 800W	#12	20/1	3		4	20/1		
EX LOAD		20/1	5		6	20/1		
		20/1	7		8	20/1		
(N)REC-ICEMAKER1800W #12		20/1	9		10	20/1		
SPARE		20/1	11		12	20/1		
SPARE		20/1	13		14	20/1		SPARE
SPARE		20/1	15		16	20/1		
EX LOAD		20/1	17		18	20/1		
SPARE		20/1	19		20	20/1		
		20/1	21		22	20/1		
		20/1	23		24	20/1		
		20/1	25		26	20/1		EX LOAD
		20/1	27		28	20/1		
		20/1	29		30	20/1		
		20/1	31		32	20/1		
		20/1	33		34	20/1		
		20/1	35		36	20/1		
		20/1	37		38	20/1		
		20/1	39		40	20/1		
		20/1	41		42	20/1		

TOTAL CONNECTED LOAD- 15,200VA