

PANEL SCHEDULE NOTES BY SYMBOL

- ROUTE THIS CIRCUIT TO HOOD CONTROL PANEL AND LIGHTS FOR POWER CONNECTION.
- IDENTIFIES CIRCUIT CONNECTED TO UNDER HOOD TRIP CONTROL AND IS ON THE FIRE SUPPRESSION SYSTEM. SEE DETAIL 9 ON SHEET E4.0.

PANEL H																			
LOCATION: SEE PLANS VOLTAGE: 480Y/277V TRIM: FLUSH				MAIN: 200A MCB SYSTEM: 3φ, 4W BUS RATING: 250A				CONN. LOAD: 102.1 KVA FEED: TOP GROUND BUS: YES											
CKT	LOAD SERVED	COND	PHASE	NEUT	GND	BKR/DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	GND	LOAD SERVED	CKT		
1	75 KVA TRANSFORMER					00/3 SF	23553				60/3	3/4"	#6	-	#10	WATER HEATER	2		
3	"					SF	12000									"	4		
5	"					SF	12000									"	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		
MINIMUM INTERRUPT RATING: 18,000 AIC							35553	34959	31950	FROM: 200A MAIN BREAKER									
LOADS (IN VA)	CONNECTED	DEMAND FACTOR	MINIMUM FEEDER	LOADS	CONNECTED	DEMAND FACTOR	MINIMUM FEEDER	REMAINING CONTINUOUS LOADS	1576	1.25	1970	REMAINING NON-CONTINUOUS LOADS	1988	1.0	1988	MISC. DEMAND LOADS	0	1.0	0
LIGHTING	2731	1.25	3414	NON-SEASONAL MOTORS	0	1.0	0												
RECEPTS TO 10 KVA	6635	1.0	6635	LARGEST MOTOR	1178	0.25	294												
RECEPTS REMAINING	0	0.5	0	WATER HEATING	36400	1.0	36400	TOTAL CONNECTED LOAD	102.1 KVA	122.8	AMPS								
SPACE HEATING	0	0.0	0	KITCHEN EQUIP.	43064	1.0	27992	TOTAL DEMAND LOAD	88.4 KVA	106.3	AMPS								
AIR CONDITIONING	9668	1.0	9668																

Note 1. Feeder size: SEE RISER DIAGRAM

PANEL A																			
LOCATION: UTILITY VOLTAGE: 208Y/120V TRIM: FLUSH				MAIN: 225A MLO SYSTEM: 3φ, 4W BUS RATING: 225A				CONN. LOAD: 66.1 KVA FEED: TOP GROUND BUS: YES											
CKT	LOAD SERVED	COND	PHASE	NEUT	GND	BKR/DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	GND	LOAD SERVED	CKT		
1	ECU-1	1"	#8	-	#8	30/3	A	2556								EAHU-1	2		
3	"															"	4		
5	"															"	6		
7	PANEL B					125/3 SF	12309									RECU-1	8		
9	"					SF	12042									"	10		
11	"					SF	10180									RECEPTACLE - POS	12		
13	RECIRC PUMP	3/4"	#12	#12	#12	20/1	W	200								FACEP	14		
15	SPARE															RECEPTACLE - POS	16		
17	WALK IN COOLER CONDENSER	3/4"	#12	#12	#12	15/2	N	1100								HVAC RECEPTACLE	18		
19	"															SANDWICH PREP (E-1.1)	20		
21	SPARE															SANDWICH PREP (E-1)	22		
23	WALK IN COOLER EVAP	3/4"	#12	#12	#12	20/1	K	278								SANDWICH PREP (E-1)	24		
25	SIGN	3/4"	#12	#12	#12	20/1	K	1000								TEA BREWER (E-7)	26		
27	RECEPTACLE - TELEPHONE	3/4"	#12	#12	#12	20/1	R	1500								FOOD WARMER (E-11)	28		
29	RECEPTACLE - IT	3/4"	#12	#12	#12	20/1	R	1500								SPARE	30		
31	EF-1															SPARE	32		
33	DROP-IN HOT WELL (E-2)	3/4"	#12	#12	#12	20/1	K	1800								HOOD CONTROL SYSTEM	34		
35	TORTILLA PRESS (E-3)	3/4"	#12	#12	#12	20/1	K	1800								"	36		
37	SANDWICH PREP (E-1.1)	3/4"	#12	#12	#12	20/1	K	1500								SPARE	38		
39	TORTILLA PRESS (E-3)	3/4"	#12	#12	#12	20/1	K	1800								BLAST CHILLER (E-52)	40		
41	RECEPTACLE - AUTOMATIC FAUCET	3/4"	#12	#12	#12	20/1	R	1800								"	42		
MINIMUM INTERRUPT RATING: 10,000 AIC							23553	22959	19550	FROM: 75 KVA XFMR									
LOADS (IN VA)	CONNECTED	DEMAND FACTOR	MINIMUM FEEDER	LOADS	CONNECTED	DEMAND FACTOR	MINIMUM FEEDER	REMAINING CONTINUOUS LOADS	1576	1.25	1970	REMAINING NON-CONTINUOUS LOADS	1988	1.0	1988	MISC. DEMAND LOADS	0	1.0	0
LIGHTING	2731	1.25	3414	NON-SEASONAL MOTORS	0	1.0	0												
RECEPTS TO 10 KVA	6635	1.0	6635	LARGEST MOTOR	1178	0.25	294												
RECEPTS REMAINING	0	0.5	0	WATER HEATING	400	1.0	400	TOTAL CONNECTED LOAD	66.1 KVA	183.5	AMPS								
SPACE HEATING	0	0.0	0	KITCHEN EQUIP.	43064	0.65	27992	TOTAL DEMAND LOAD	52.4 KVA	145.4	AMPS								
AIR CONDITIONING	9668	1.0	9668																

- Note 1. Feeder size: SEE RISER DIAGRAM  
 Note 2. Provide GFCI rated breaker(s) for circuit(s) 17, 20, 22, 24, 26, 33, 35, 37, 39  
 Note 3. Provide HACR rated breaker(s) for circuit(s) 1, 2

PANEL B																			
LOCATION: HALLWAY VOLTAGE: 208Y/120V TRIM: FLUSH				MAIN: 225A MLO SYSTEM: 3φ, 4W BUS RATING: 225A				CONN. LOAD: 34.5 KVA FEED: BOTTOM GROUND BUS: YES											
CKT	LOAD SERVED	COND	PHASE	NEUT	GND	BKR/DMD	L1	L2	L3	DMD	BKR	COND	PHASE	NEUT	GND	LOAD SERVED	CKT		
1	SPARE															DISPLAY COOLER CASE (E-5)	2		
3	SPARE															RECEPTACLE - COUNTER	4		
5	SPARE															SPARE	6		
7	SPARE															REACH-IN FREEZER (E-30)	8		
9	LIGHTING - COOLER	3/4"	#12	#12	#12	20/1	L	1100								SHOW WINDOW RECEPTACLES	10		
11	SPARE															SPARE	12		
13	SPARE															LIGHTING - KITCHEN	14		
15	SOUP WELL (E-2.1)	3/4"	#12	#12	#12	20/1	K	700								RECEPTACLES - KITCHEN	16		
17	RECEPTACLE - POS COUNTER	3/4"	#12	#12	#12	20/1	R	380								RECEPTACLES - KITCHEN	18		
19	RECEPTACLE - POS COUNTER	3/4"	#12	#12	#12	20/1	R	380								TIMER	20		
21	SALAD DRYER (E-35)	3/4"	#12	#12	#12	20/1	K	800								SPARE	22		
23	SPARE															SANDWICH PREP (E-1)	24		
25	SPARE															LIGHTING - ORDERING	26		
27	SPARE															ICE/WATER DISPENSER (E-6)	28		
19	HEAT TRACE	3/4"	#12	#12	#12	20/1	N	240								SPARE	30		
31	SPARE															HOT PLATE (E-34)	32		
33	LIGHTING - TRACK	3/4"	#12	#12	#12	20/1	L	1488								"	34		
35	LIGHTING - SOFT	3/4"	#12	#12	#12	20/1	L	1144								ICE MACHINE, NUGGET (E-6.1)	36		
37	COMB OVEN (E-31)	1"	#8	#8	#10	60/3	K	6336								"	38		
39	"															SPARE	40		
41	"															SPARE	42		
MINIMUM INTERRUPT RATING: 10,000 AIC							12309	12042	10180	FROM: PANEL A									
LOADS (IN VA)	CONNECTED	DEMAND FACTOR	MINIMUM FEEDER	LOADS	CONNECTED	DEMAND FACTOR	MINIMUM FEEDER	REMAINING CONTINUOUS LOADS	0	1.25	0	REMAINING NON-CONTINUOUS LOADS	240	1.0	240	MISC. DEMAND LOADS	0	1.0	0
LIGHTING	1531	1.25	1914	NON-SEASONAL MOTORS	0	1.0	0												
RECEPTS TO 10 KVA	3720	1.0	3720	LARGEST MOTOR	0	0.25	0												
RECEPTS REMAINING	0	0.5	0	WATER HEATING	0	1.0	0	TOTAL CONNECTED LOAD	34.5 KVA	95.9	AMPS								
SPACE HEATING	0	0.0	0	KITCHEN EQUIP.	29040	0.65	18876	TOTAL DEMAND LOAD	24.8 KVA	68.8	AMPS								
AIR CONDITIONING	0	1.0	0																

- Note 1. Feeder size: SEE RISER DIAGRAM  
 Note 2. Provide GFCI rated breaker(s) for circuit(s) 15, 21, 24, 36

FAULT CURRENT CALCULATION	
AVAILABLE FAULT CURRENT AT PANEL IDPH	73,312
"C" FACTOR (#3/0 COND.)	12,844
NUMBER OF CONDUCTORS PER PHASE	1
LINE TO LINE VOLTAGE	480
LINE TO NEUTRAL VOLTAGE	277
LENGTH OF SERVICE	200
$F = \frac{73,312 \times 1.73 \times 200}{1 \times 12,844 \times 480} = 4.12$	
$M = \frac{1}{1+4.12} = 0.20$	
$I_{sc} \text{ AT PANEL H} = 73,312 \times 0.20 = 14,321$	
<b>PANEL H RATING = 18,000 A.I.C. (MINIMUM)</b>	
AVAILABLE FAULT CURRENT	= 73312.00 AMPERES
X FURNISHED BY LANDLORD ON DATE	= 11.28.2017
X CALCULATED BY ENGINEER ON DATE	= 11.28.2017
ANY CHANGES TO THE SUPPLY POWER, OR INTERNAL ELECTRICAL SYSTEM, THAT COULD CAUSE THIS UTILITY FURNISHED OR CALCULATED VALUE TO INCREASE, SHALL BE EVIDENCE THAT A QUALIFIED PERSON REPEAT THE CALCULATIONS AND MAKE ADJUSTMENTS TO THE SYSTEM IF REQUIRED. (AFTER REVISIONS, CHANGE THIS LABEL TO REFLECT REVISED DATA (NEW DATE). PLACE ON A VISIBLE SURFACE OF THE SERVICE ENTRANCE DISCONNECT. USE A LABEL THAT HAS MINIMUM 1/8" HIGH LETTERING AND IS VISIBLE FOR THE ENVIRONMENT AT THE LOCATION.	