



DATE:	11/21/2019
	ISSUE FOR PERMIT
	02/17/2020
	PERMIT COMMENTS

EXISTING

PANELBOARD S1		SURFACE MOUNTED		SYM. A.I.C. MIN.	
CIRCUIT BREAKER TYPE		AMP. MAIN BREAKER W/		AMP. TRIP	
208/120	VOLTS	3	PHASE	4	WIRE 400 AMP. MAINS
CKT NO.	TRIP NO. AMPS	POLE	LOAD SERVED	LOAD-V.A.	CKT TRIP NO. AMPS
				A _B B _B C _B	
1	20	1	EXIST. LIGHTS	325	2
3			EXIST. LIGHTS	374	4
5			NEW LIGHTS	540	6
7			NEW EQUIP.	540	8
9			NEW COKE COOLER	750	10
11	20	1	NEW TELE. EQPM. BOX	500	12
13	20	1	NEW PIZZA TRACKER	500	14
15	20	1	NEW POS-ORDER STN.	750	16
17	20	1	NEW LIT. & HEATER	540	18
19			NEW HEAT TRACE	500	20
21			NEW VISI COOLER	864	22
23			NEW TELE. EQPM. BOX	500	24
25	20	1	SPARE	500	26
27	20	1	EXIST. EF	150	28
29	20	1	NEW KEF-1	1180	30
31			NEW HOOD FA	540	32
33			NEW OVEN	750	34
35				750	36
37				750	38
39	20	1	NEW MENU BOARD	500	40
41	20	1	EXIST. HWH	100	42

① NEW CIRCUIT BREAKER.
② PROVIDE LOCKABLE BREAKER.

EXISTING

PANELBOARD S2		SURFACE MOUNTED		SYM. A.I.C. MIN.	
CIRCUIT BREAKER TYPE		AMP. MAIN BREAKER W/		AMP. TRIP	
208/120	VOLTS	3	PHASE	4	WIRE 400 AMP. MAINS
CKT NO.	TRIP NO. AMPS	POLE	LOAD SERVED	LOAD-V.A.	CKT TRIP NO. AMPS
				A _B B _B C _B	
1	50	3	EXIST. RTU-1	2750	2
3				2750	4
5				2750	6
7	50	3	EXIST. RTU-2	2750	8
9				2750	10
11				2750	12
13	50	2	SPARE		14
15					16
17	15	3	NEW CU	1180	18
19				1180	20
21				1180	22
23	15	1	NEW EVAPORATOR	540	24
25	20	1	NEW EQUIP.	500	26
27	20	1	NEW EQUIP.	500	28
29	20	1	NEW COND. PUMP	200	30
31	25	2	NEW HP-1	2080	32
33				2080	34
35	-	1	SPACE	540	36
37				540	38
39					40
41					42

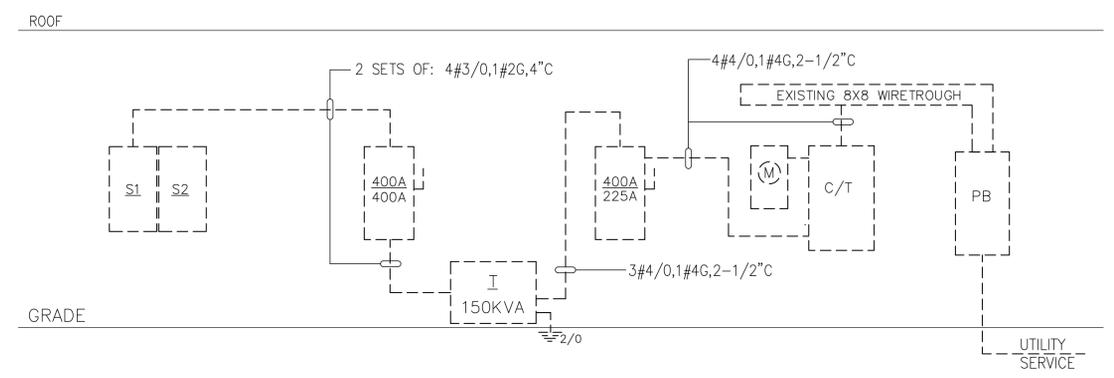
① NEW CIRCUIT BREAKER.
② INTERLOCK WITH HOOD FIRE EXTINGUISHING SYSTEM.

DEMAND LOAD SUMMARY
EXISTING PANELS S1 & S2: 400A 208Y120V ON 400A SWITCH FUSED AT 400A

EXIST. HVAC:	16,650 VA X 1.25	= 20,813 VA
NEW HVAC:		= 5,224 VA
EXIST. LIGHTS:	699 VA X 1.25	= 874 VA
NEW LIGHTS:		= 1,320 VA
EXIST. EQUIPMENT:		= 2,100 VA
NEW EQUIPMENT:		= 21,284 VA
EXIST. RECEPTACLES:		= 7,020 VA
NEW RECEPTACLES:		= 1,540 VA
TOTAL:		= 60,174 VA/ = 167A

EXISTING 400A 480Y277V FUSED AT 225V DISCONNECT

EXIST. HVAC:	16,650 VA X 1.25	= 20,813 VA
NEW HVAC:		= 5,224 VA
EXIST. LIGHTS:	699 VA X 1.25	= 874 VA
NEW LIGHTS:		= 1,320 VA
EXIST. EQUIPMENT:		= 2,100 VA
NEW EQUIPMENT:		= 21,284 VA
EXIST. RECEPTACLES:		= 7,020 VA
NEW RECEPTACLES:		= 1,540 VA
TOTAL:		= 60,174 VA/ = 72A



EXISTING POWER RISER DIAGRAM
NOT TO SCALE