ELECTRICAL PANEL SCHEDULES

PANEL : B

3 PHASE INFO		REMARKS	CKT.	POLES AND AMPS	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	WIRE SIZE	CKT. NO.	CKT. NO.	WIRE SIZE	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	POLES AND AMPS	CKT.	REMARKS	3 PHASE INFO	
	SCHD	PRESSURE WASHER	1	40/2		3120					8	1	2	10							30/3	2	SPD 1	X	SCHD
	H.P	–	3	–				3120			8	3	4	10							–	4	–		H.P
	HT/KW	WATER HEATER	5	30/2						2250	10	5	6	10							–	6	–		HT/KW
	SCHD	–	7	–		2250					10	7	8	8		2100					35/3	8	EXTRACTOR	x	SCHD
	H.P	SPARE	9	20/1								9	10	8				2100			–	10	–	5	H.P
	HT/KW	SPARE	11	20/1								11	12	8						2100	–	12	–		HT/KW
x	SCHD	VEHICLE EXHAUST	13	60/3		3864					6	13	14	12		828					15/3	14	BI-FOLD DOOR	x	SCHD
10	H.P	–	15	–				3864			6	15	16	12				828			–	16	–	1.5	H.P
	HT/KW	–	17	–						3864	6	17	18	12						828	–	18	–		HT/KW
x	SCHD	BI-FOLD DOOR	19	15/3		828					12	19	20	12		828					15/3	20	BI-FOLD DOOR	x	SCHD
1.5	H.P	–	21	–				828			12	21	22	12				828			–	22	–	1.5	H.P
	HT/KW	–	23	–						828	12	23	24	12						828	–	24	–		HT/KW
x	SCHD	BI-FOLD DOOR	25	15/3		828					12	25	26	12		828					15/3	26	BI-FOLD DOOR	x	SCHD
1.5	H.P	–	27	–				828			12	27	28	12				828			–	28	–	1.5	H.P
	HT/KW	–	29	–						828	12	29	30	12						828	–	30	–		HT/KW
x	SCHD	BI-FOLD DOOR	31	15/3		828					12	31	32	12		828					15/3	32	BI-FOLD DOOR	x	SCHD
1.5	H.P	–	33	–				828			12	33	34	12				828			–	34	–	1.5	H.P
	HT/KW	–	35	–						828	12	35	36	12						828	–	36	–		HT/KW
x	SCHD	BI-FOLD DOOR	37	15/3		828					12	37	38								20/1	38	SPARE		SCHD
1.5	H.P	–	39	–				828			12	39	40								20/1	40	SPARE		H.P
	HT/KW	–	41	–						828	12	41	42								20/1	42	SPARE		HT/KW
					0	12546	0	10296	0	9426					0	5412	0	5412	0	5412					

CALCULATIONS

	CONN. LOAD KVA	CONN. LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING	0.0	0.0	1.25	0.0	0.0
CONV. OUTLETS	0.0	0.0	–	0.0	0.0
MOTORS	0.0	0.0	1	0.0	0.0
MISC	48.5	134.7	1	48.5	134.7
EWH	0.0	0.0	1	0.0	0.0
KITCHEN EQ.	0.0	0.0	0.65	0.0	0.0
SPARE	0.0	0.0	1	0.0	0.0
SPACE ONLY	0.0	0.0	1	0.0	0.0
TOTAL	48.5	134.7		48.5	134.7

PHASE LOADS	
A	17958
B	15708
C	14838

REMARKS:
* PROVIDE GFCI CIRCUIT BREAKER
** PROVIDE RED PAINTED HANDLE WITH BREAKER LOCK

PANEL : B
MOUNTING: SURFACE
VOLTS: 120/208, 3PH, 4W
MAIN SIZE: 200 AMPS
MAIN TYPE: MLO M.D.
BRACING: 42 KAIC 0
EMI JOB 19-0860 0

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
THE CIRCUIT BREAKER FEEDING THE SPD DEVICE SHALL BE INSTALLED AS CLOSE TO THE SPD DEVICES AS POSSIBLE TO MINIMIZE THE LEAD LENGTH. RELOCATE CIRCUIT BREAKERS AS REQUIRED

PANEL : E

3 PHASE INFO		REMARKS	CKT.	POLES AND AMPS	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	WIRE SIZE	CKT. NO.	CKT. NO.	WIRE SIZE	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	POLES AND AMPS	CKT.	REMARKS	3 PHASE INFO	
X	SCHD	PANEL 2E	1	125/3		11851						1	2	10							30/3	2	SPD 1	X	SCHD
	H.P	–	3	–				11851				3	4	10							–	4	–		H.P
	HT/KW	–	5	–						11851		5	6	10							–	6	–		HT/KW
x	SCHD	ELEVATOR	7	100/3***		7452					3	7	8	12		720					20/1	8	RECEPT 4		SCHD
20	H.P	–	9	–				7452			3	9	10	12				720			20/1	10	RECEPT 4		H.P
	HT/KW	–	11	–						7452	3	11	12	12						720	20/1	12	RECEPT 4		HT/KW
	SCHD	*SHUNT TRIP*	13	–								13	14	12		720					20/1	14	RECEPT 4		SCHD
	H.P	MINI-SPLIT	15	15/2				935			12	15	16	12				720			20/1	16	RECEPT 4		H.P
	HT/KW	–	17	–						935	12	17	18	12						720	20/1	18	PROJ SCREEN		HT/KW
	SCHD	MINI-SPLIT	19	15/2		935					12	19	20	12		900					20/1	20	RECEPT 5		SCHD
	H.P	–	21	–				935			12	21	22	12				720			20/1	22	RECEPT 4		H.P
	HT/KW	DEHUMIDIFIER	23	20/1						500	12	23	24	12						552	20/1*	24	EWC		HT/KW
	SCHD	RECEPT 3	25	20/1		540					12	25	26	12		180					20/1	26	RECEPT 1		SCHD
	H.P	RECEPT 4	27	20/1				720			12	27	28	12				180			20/1	28	RECEPT 1		H.P
	HT/KW	RECEPT 4	29	20/1						720	12	29	30	12						180	20/1***	30	ELEV [illegible] LITES		HT/KW
	SCHD	RECEPT 4	31	20/1		720					12	31	32	12		180					–	32	[illegible]		SCHD
	H.P	ICE MAKER	33	15/2				1000			12	33	34	10			959				20/1	34	LIGHTING		H.P
	HT/KW	–	35	–						1000	12	35	36								20/1	36	SPARE		HT/KW
	SCHD	SPARE	37	20/1								37	38								20/1	38	SPARE		SCHD
	H.P	SPARE	39	20/1								39	40								20/1	40	SPARE		H.P
	HT/KW	SPARE	41	20/1								41	42								20/1	42	SPARE		HT/KW
					0	21498	0	22893	0	22458					0	2700	959	2340	0	[illegible]					

CALCULATIONS

	CONN. LOAD KVA	CONN. LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING	1.0	2.7	1.25	1.2	3.3
CONV. OUTLETS	0.0	0.0	–	0.0	0.0
MOTORS	0.0	0.0	1	0.0	0.0
MISC	74.1	205.7	1	74.1	205.7
EWH	0.0	0.0	1	0.0	0.0
KITCHEN EQ.	0.0	0.0	0.65	0.0	0.0
SPARE	0.0	0.0	1	0.0	0.0
SPACE ONLY	0.0	0.0	1	0.0	0.0
TOTAL	75.0	208.4		75.3	209.1

PHASE LOADS	
A	24198
B	26192
C	24630

REMARKS:
* PROVIDE GFCI CIRCUIT BREAKER
** PROVIDE RED PAINTED HANDLE WITH BREAKER LOCK
*** PROVIDE SHUNT-TRIP CIRCUIT BREAKER

PANEL : E
MOUNTING: SURFACE
VOLTS: 120/208, 3PH, 4W
MAIN SIZE: 400 AMPS
MAIN TYPE: MCB M.D.
BRACING: 22 KAIC 0
EMI JOB 19-0860 0

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
THE CIRCUIT BREAKER FEEDING THE SPD DEVICE SHALL BE INSTALLED AS CLOSE TO THE SPD DEVICES AS POSSIBLE TO MINIMIZE THE LEAD LENGTH. RELOCATE CIRCUIT BREAKERS AS REQUIRED

PANEL : C

3 PHASE INFO		REMARKS	CKT.	POLES AND AMPS	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	WIRE SIZE	CKT. NO.	CKT. NO.	WIRE SIZE	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	POLES AND AMPS	CKT.	REMARKS	3 PHASE INFO	
	SCHD	LIGHTING	1	20/1	1046						10	1	2	10							30/3	2	SPD 1	X	SCHD
	H.P	LIGHTING	3	20/1			1084				10	3	4	10							–	4	–		H.P
	HT/KW	LIGHTING	5	20/1					1053		10	5	6	10							–	6	–		HT/KW
	SCHD	LIGHTING	7	20/1	1087						10	7	8	10		2800					30/1	8	30A P/S POWER DROP		SCHD
	H.P	LIGHTING	9	20/1			702				10	9	10	10				2800			30/1	10	30A P/S POWER DROP		H.P
	HT/KW	LIGHTING	11	20/1					702		10	11	12	10						2800	30/1	12	30A P/S POWER DROP		HT/KW
	SCHD	EXTERIOR LIGHTING	13	20/1	376						10	13	14	10		2800					30/1	14	30A P/S POWER DROP		SCHD
	H.P	EXTERIOR LIGHTING	15	20/1			72				10	15	16	10				2800			30/1	16	30A P/S POWER DROP		H.P
	HT/KW	FLAG LIGHT	17	20/1						100	10	17	18	10						2800	30/1	18	30A P/S POWER DROP		HT/KW
	SCHD	SITE SIGN	19	20/1		360					10	19	20	10		2800					30/1	20	30A P/S POWER DROP		SCHD
	H.P	SITE SIGN	21	20/1				360			10	21	22	10				2800			30/1	22	30A P/S POWER DROP		H.P
	HT/KW	AIR COMPRESSOR	23	20/1						1500	10	23	24	10						720	20/1	24	RECEPT 4		HT/KW
x	SCHD	EF-3	25	20/3		1320					12	25	26	10		720					20/1	26	RECEPT 4		SCHD
3	H.P	–	27	–				1320			12	27	28	10				720			20/1	28	CIRC FANS		H.P
	HT/KW	–	29	–						1320	12	29	30	12						900	20/1	30	RECEPT 5		HT/KW
x	SCHD	EF-3	31	20/3		1320					12	31	32	10		900					20/1	32	RECEPT 5		SCHD
3	H.P	–	33	–				1320			12	33	34	10				900			20/1	34	RECEPT 5		H.P
	HT/KW	–	35	–						1320	12	35	36	10							20/1	36	SPARE		HT/KW
	SCHD	SPARE	37	20/1								37	38								20/1	38	SPARE		SCHD
	H.P	SPARE	39	20/1								39	40								20/1	40	SPARE		H.P
	HT/KW	SPARE	41	20/1								41	42								20/1	42	SPARE		HT/KW
					2509	3000	1858	3000	1755	4240					0	10020	0	10020	0	7220					

CALCULATIONS

	CONN. LOAD KVA	CONN. LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING	6.1	17.0	1.25	7.7	21.3
CONV. OUTLETS	0.0	0.0	–	0.0	0.0
MOTORS	0.0	0.0	1	0.0	0.0
MISC	37.5	104.2	1	37.5	104.2
EWH	0.0	0.0	1	0.0	0.0
KITCHEN EQ.	0.0	0.0	0.65	0.0	0.0
SPARE	0.0	0.0	1	0.0	0.0
SPACE ONLY	0.0	0.0	1	0.0	0.0
TOTAL	43.6	121.2		45.2	125.4

PHASE LOADS	
A	15529
B	14878
C	13215

REMARKS:
* PROVIDE GFCI CIRCUIT BREAKER
** PROVIDE RED PAINTED HANDLE WITH BREAKER LOCK

PANEL : C
MOUNTING: SURFACE
VOLTS: 120/208, 3PH, 4W
MAIN SIZE: 20[illegible] AMPS
MAIN TYPE: M[illegible] M.D.
BRACING: 4[illegible] KAIC 0
EMI JOB 19-0860 0

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
THE CIRCUIT BREAKER FEEDING THE SPD DEVICE SHALL BE INSTALLED AS CLOSE TO THE SPD DEVICES AS POSSIBLE TO MINIMIZE THE LEAD LENGTH. RELOCATE CIRCUIT BREAKERS AS REQUIRED

PANEL : 2A

3 PHASE INFO		REMARKS	CKT.	POLES AND AMPS	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	WIRE SIZE	CKT. NO.	CKT. NO.	WIRE SIZE	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	POLES AND AMPS	CKT.	REMARKS	3 PHASE INFO	
	SCHD	BUNK RECEPT 7	1	20/1***		1260					12	1	2	10							30/3	2	SPD 1	X	SCHD
	H.P	BUNK RECEPT 8	3	20/1***				1440			12	3	4	10							–	4	–		H.P
	HT/KW	BUNK RECEPT 8	5	20/1***						1440	12	5	6	10							–	6	–		HT/KW
	SCHD	BUNK RECEPT 8	7	20/1***		1440					12	7	8	8		4044					45/3	8	AH 2-1	x	SCHD
	H.P	BUNK RECEPT 9	9	20/1***				1620			12	9	10	8				4044			–	10	–	0.75	H.P
	HT/KW	BUNK RECEPT 8	11	20/1***						1440	12	11	12	8						4044	–	12	–	10.8	HT/KW
	SCHD	BUNK RECEPT [illegible]	13	20/1***		1440					12	13	14	8		3900					45/3	14	AH 2-2	x	SCHD
	H.P	BUNK RECEPT [illegible]	15	20/1***				900			12	15	16	8				3900			–	16	–	0.5	H.P
	HT/KW	RECEPT 4	17	20/1						720	12	17	18	8						3900	–	18	–	10.8	HT/KW
	SCHD	RECEPT 3	19	20/1		540					12	19	20	10		1750					30/2	20	DRYER		SCHD
	H.P	LIGHTING	21	20/1			509	450			10	21	22	10				1750			–	22	–		H.P
	HT/KW	LIGHTING	23	20/1					298		10	23	24	12						1200	20/1	24	WASHER		HT/KW
	SCHD	LIGHTING	25	20/1	570	450					10	25	26	10		1644					30/3	26	CU 2-1	x	SCHD
	H.P	LIGHTING	27	20/1			755				10	27	28	10				1644			–	28	–		H.P
	HT/KW	EF 1-1, 1-2, 2-1	29	20/1						1000	10	29	30	10						1644	–	30	–		HT/KW
	SCHD	DRYER BOOSTER FANS	31	20/1		360					12	31	32	10		1380					20/3	32	CU 2-2	x	SCHD
	H.P	SPARE	33	20/1								33	34	10				1380			–	34	–		H.P
	HT/KW	SPARE	35	20/1								35	36	10						1380	–	36	–		HT/KW
	SCHD	SPARE	37	20/1								37	38								20/1	38	SPARE		SCHD
	H.P	SPARE	39	20/1								39	40								20/1	40	SPARE		H.P
	HT/KW	SPARE	41	20/1								41	42								20/1	42	SPARE		HT/KW
					570	5490	1264	4410	298	4600					0	12718	0	12718	0	12168					

CALCULATIONS

	CONN. LOAD KVA	CONN. LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING	2.1	5.9	1.25	2.7	7.4
CONV. OUTLETS	0.0	0.0	–	0.0	0.0
MOTORS	0.0	0.0	1	0.0	0.0
MISC	52.1	144.7	1	52.1	144.7
EWH	0.0	0.0	1	0.0	0.0
KITCHEN EQ.	0.0	0.0	0.65	0.0	0.0
SPARE	0.0	0.0	1	0.0	0.0
SPACE ONLY	0.0	0.0	1	0.0	0.0
TOTAL	54.2	150.7		54.8	152.1

PHASE LOADS	
A	18778
B	18392
C	17066

REMARKS:
* PROVIDE GFCI CIRCUIT BREAKER
** PROVIDE RED PAINTED HANDLE WITH BREAKER LOCK
*** PROVIDE AFCI CIRCUIT BREAKER

PANEL : 2A
MOUNTING: SURFACE
VOLTS: 120/208, 3PH, 4W
MAIN SIZE: 200 AMPS
MAIN TYPE: MLO M.D.
BRACING: 42 KAIC 0
EMI JOB 19-0860 0

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
THE CIRCUIT BREAKER FEEDING THE SPD DEVICE SHALL BE INSTALLED AS CLOSE TO THE SPD DEVICES AS POSSIBLE TO MINIMIZE THE LEAD LENGTH. RELOCATE CIRCUIT BREAKERS AS REQUIRED

PANEL : D

3 PHASE INFO		REMARKS	CKT.	POLES AND AMPS	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	WIRE SIZE	CKT. NO.	CKT. NO.	WIRE SIZE	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	POLES AND AMPS	CKT.	REMARKS	3 PHASE INFO	
	SCHD	RACK	1	20/1		360					12	1	2	10							30/3	2	SPD 1	X	SCHD
	H.P	SECURITY	3	20/1				360			[illegible]	3	4	10							–	4	–		H.P
	HT/KW	COMM SVC	5	20/1						360	[illegible]	5	6	10							–	6	–		HT/KW
	SCHD	DDC	7	20/1		180					[illegible]	7	8	8		[illegible]					35/3	8	IRRIGATION PUMP	x	SCHD
	H.P	RECEPT 2	9	20/1				360			12	9	10	8				2100			–	10	–	5	H.P
	HT/KW	FACP	11	20/1**						180	12	11	12	8						2100	–	12	–		HT/KW
	SCHD	GAS WATER HEATER	13	20/1		360					12	13	14	8		4211					45/3	14	OAU 1-1X	x	SCHD
	H.P	TEAR-N-GO	15	20/1				360			10	15	16	8				4211			–	16	–	0.75	H.P
	HT/KW	TEAR-N-GO	17	20/1						360	10	17	18	8						4211	–	18	–	11.3	HT/KW
	SCHD	TEAR-N-GO	19	20/1		360					10	19	20	8		2760					45/3	20	CU 1-1X	x	SCHD
	H.P	TEAR-N-GO	21	20/1				360			10	21	22	8				2760			–	22	–		H.P
	HT/KW	TEAR-N-GO	23	20/1						360	10	23	24	8						2760	–	24	–		HT/KW
	SCHD	SPARE	25	20/1								25	26	10		2500					30/1	26	EDH 1-1		SCHD
	H.P	SPARE	27	20/1								27	28	8				3500			40/1	28	EDH 1-2		H.P
	HT/KW	SPARE	29	20/1								29	30								20/1	30	SPARE		HT/KW
	SCHD	SPARE	31	20/1								31	32								20/1	32	SPARE		SCHD
	H.P	SPARE	33	20/1								33	34								20/1	34	SPARE		H.P
	HT/KW	SPARE	35	20/1								35	36								20/1	36	SPARE		HT/KW
	SCHD	SPARE	37	20/1								37	38								20/1	38	SPARE		SCHD
	H.P	SPARE	39	20/1								39	40								20/1	40	SPARE		H.P
	HT/KW	SPARE	41	20/1								41	42								20/1	42	SPARE		HT/KW
					0	1260	0	1440	0	1260					0	11571	0	12571	0	9071					

CALCULATIONS

	CONN. LOAD KVA	CONN. LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING	0.0	0.0	1.25	0.0	0.0
CONV. OUTLETS	0.0	0.0	–	0.0	0.0
MOTORS	[illegible]	0.0	1	0.0	0.0
MISC	37.2	103.3	1	37.2	103.3
EWH	0.0	0.0	1	0.0	0.0
KITCHEN EQ.	0.0	0.0	0.65	0.0	0.0
SPARE	0.0	0.0	1	0.0	0.0
SPACE ONLY	0.0	0.0	1	0.0	0.0
TOTAL	37.2	103.3		37.2	103.3

PHASE LOADS	
A	12831
B	14011
C	10331

REMARKS:
* PROVIDE GFCI CIRCUIT BREAKER
** PROVIDE RED PAINTED HANDLE WITH BREAKER LOCK
*** PROVIDE SHUNT-TRIP CIRCUIT BREAKER

PANEL : D
MOUNTING: SURFACE
VOLTS: 120/208, 3PH, 4W
MAIN SIZE: 200 AMPS
MAIN TYPE: MLO M.D.
BRACING: 42 KAIC 0
EMI JOB 19-0860 0

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
THE CIRCUIT BREAKER FEEDING THE SPD DEVICE SHALL BE INSTALLED AS CLOSE TO THE SPD DEVICES AS POSSIBLE TO MINIMIZE THE LEAD LENGTH. RELOCATE CIRCUIT BREAKERS AS REQUIRED

PANEL : 2E

3 PHASE INFO		REMARKS	CKT.	POLES AND AMPS	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	WIRE SIZE	CKT. NO.	CKT. NO.	WIRE SIZE	A LIGHTS	A POWER	B LIGHTS	B POWER	C LIGHTS	C POWER	POLES AND AMPS	CKT.	REMARKS	3 PHASE INFO	
	SCHD	RECEPT 5	1	20/1		900					12	1	2	10							30/3	2	SPD 1	X	SCHD
	H.P	RECEPT 5	3	20/1				900			12	3	4	10							–	4	–		H.P
	HT/KW	RECEPT 6	5	20/1						1080	12	5	6	10							–	6	–		HT/KW
	SCHD	MICROWAVE	7	20/2		1600					12	7	8	12		840					20/1	8	REFRIG		SCHD
	H.P	–	9	–				1600			12	9	10	12				840			20/1	10	REFRIG		H.P
	HT/KW	REFRIG	11	20/1						840	12	11	12	12						840	20/1	12	REFRIG		HT/KW
	SCHD	FREEZER	13	20/1		840					12	13	14	12		1200					20/1	14	DISPOSAL		SCHD
	H.P	MICROWAVE	15	20/2				1600			12	15	16	12				540			20/1	16	RECEPT 3		H.P
	HT/KW	–	17	–						1600	12	17	18	8						3120	40/2	18	DISH WASHER		HT/KW
	SCHD	RECEPT 3	19	20/1		540					12	19	20	8		3120					–	20	–		SCHD
	H.P	RANGE HOOD	21	20/1				444			12	21	22	8				3120			40/2	22	DISH WASHER		H.P
	HT/KW	GAS RANGE	23	20/1***						800	12	23	24	8						3120	–	24	–		HT/KW
	SCHD	*SHUNT TRIP*	25	–								25	26	12		800					20/1***	26	GAS RANGE		SCHD
	H.P	KHEF	27	20/1				1025			12	27	28								–	28	*SHUNT TRIP*		H.P
	HT/KW	KHSF	29	20/1						1150	12	29	30	10						360	20/1	30	TEAR-N-GO		HT/KW
	SCHD	RECEPT 2	31	20/1		360					12	31	32	12		600					20/1*	32	UC ICE MAKER		SCHD
	H.P	WARMER	33	20/1				960			12	33	34								20/1	34	SPARE		H.P
	HT/KW	LIGHTING	35	20/1					590		10	35	36								20/1	36	SPARE		HT/KW
	SCHD	LIGHTING	37	20/1	396						10	37	38								20/1	38	SPARE		SCHD
	H.P	SPARE	39	20/1								39	40								20/1	40	SPARE		H.P
	HT/KW	SPARE	41	20/1								41	42								20/1	42	SPARE		HT/KW
					396	4240	0	6529	590	5470					0	6560	0	4500	0	7440					

CALCULATIONS

	CONN. LOAD KVA	CONN. LOAD AMPS	FACTOR	DESIGN LOAD KVA	DESIGN LOAD AMPS
LIGHTING	1.0	2.7	1.25	1.2	3.4
CONV. OUTLETS	0.0	0.0	–	0.0	0.0
MOTORS	0.0	0.0	1	0.0	0.0
MISC	34.7	96.5	1	34.7	96.5
EWH	0.0	0.0	1	0.0	0.0
KITCHEN EQ.	0.0	0.0	0.65	0.0	0.0
SPARE	0.0	0.0	1	0.0	0.0
SPACE ONLY	0.0	0.0	1	0.0	0.0
TOTAL	35.7	99.2		38.0	99.9

PHASE LOADS	
A	11196
B	11029
C	13500

REMARKS:
* PROVIDE GFCI CIRCUIT BREAKER
** PROVIDE RED PAINTED HANDLE WITH BREAKER LOCK
*** PROVIDE SHUNT-TRIP CIRCUIT BREAKER

PANEL : 2E
MOUNTING: SURFACE
VOLTS: 120/208, 3PH, 4W
MAIN SIZE: 125 AMPS
MAIN TYPE: MLO M.D.
BRACING: 22 KAIC 0
EMI JOB 19-0860 0

NOTE: ALL CONDUCTORS ARE #12 AWG UNLESS OTHERWISE NOTED HERE IN OR ON RISER DIAGRAM, OR AS NOTED IN THE SPECIFICATIONS FOR VOLTAGE DROP.
PROVIDE A DEDICATED NEUTRAL FOR EACH CIRCUIT.
THE CIRCUIT BREAKER FEEDING THE SPD DEVICE SHALL BE INSTALLED AS CLOSE TO THE SPD DEVICES AS POSSIBLE TO MINIMIZE THE LEAD LENGTH. RELOCATE CIRCUIT BREAKERS AS REQUIRED

ELECTRICAL PANEL SCHEDULES
A1
NTS

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CONSULTING ENGINEERS
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CERT. OF AUTHORIZATION NO. 4286 EMI JOB NO. 19-0860
DRAWN BY: JTH CHECKED BY: JSW

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Pasco County Fire & Rescue Station No. 17

New Port Richey, Florida

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I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THESE DRAWINGS COMPLY W/ ALL RELEVANT BUILDING CODES

FGA PROJECT NUMBER
19039

ISSUE DATE
05-25-20

REVISIONS
1 DATE: ________
2 DATE: ________
3 DATE: ________
4 DATE: ________

SHEET NUMBER
E7.1

05-22-20 Joshua Wideski_2019\19-0860 FGA CPA Fire Station 17\Electrical\19-0860_E6.1_Single Line.dwg

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