ELECTRICAL ~ SYMBOL SCHEDULE

SYMBOL	REMARKS
○	CEILING OUTLET ~ LTR. INDICATES FIXTURE MK.
○	WALL OUTLET ~ LTR. INDICATES FIXTURE MK.
	FLUORESCENT FIXTURE ~ LTR. INDICATES FIXTURE MK.
	FLUORESCENT FIXTURE ~ WALL MTD. ~ LTR. INDICATES FIXTURE MK.
⊗	OUTLET OR FIXTURE ON EMERGENCY CIRCUIT
⊗ — '	EXIT LIGHT ~ ARROWS AS INDICATED; SEE FIXTURE SCHEDULE
J	JUNCTION BOX
J	JUNCTION BOX IN WALL
$	SINGLE POLE SWITCH
$3	THREE WAY SWITCH
$T	CLOCK OUTLET @ 7'-0" AFF.
	DUPLEX CONVENIENCE OUTLET ~ INSTALL @ 18" A.F.F. UNLESS NOTED OTHERWISE
	SINGLE CONVENIENCE OUTLET " " " " "
C	DUPLEX CONVENIENCE OUTLET @ +8" ABOVE COUNTER
	OUTLETS ~ SEE SHEET 3/E FOR DETAIL
	FLOOR OUTLET W/SINGLE RECEPT.
	CONDUIT ~ CONCEALED IN WALL OR CEILING
	CONDUIT ~ IN OR UNDER FLOOR
	CONDUIT ~ EXPOSED
E	BRANCH CIRCUIT ON EMERGENCY SYSTEM
HR	HOME RUN TO PANELBOARD
#1	SWITCH LEG (2) ~ HOT (1) ~ NEUTRAL (1)
T	TELEPHONE OUTLET ~ WALL MTD.
T	TELEPHONE OUTLET ~ FLOOR
TB	TELEPHONE BACKBOARD
¾	MOTOR ~ N° INDICATES H.P. SIZE
¾ M	SINGLE PHASE MANUAL MOTOR STARTER
	DISCONNECT SWITCH ~ N° INDICATES SW. AMP SIZE. (N° IN PARENTHESIS INDICATES FUSE AMP SIZE)
	LIGHTING PANELBOARD ~ 120/208V. ~ LTR. INDICATES PANEL MK.
"PP-"	POWER PANEL ~ LTR. INDICATES PANEL MK.
"MDP"	MAIN DISTRIBUTION PANEL
"ELP-"	EMERGENCY LIGHTING PANELBOARD
WP	LTR. "W" BY OUTLET OR EQUIPMENT INDICATE WEATHERPROOF
NL	LTR. "N" INDICATES OUTLET ON NIGHT LIGHT CIRCUIT
A-3	LTR. & N° BY HOME RUN ARROW INDICATES (PANEL MK ~ CIR. N°.)
	DRY TYPE TRANSFORMER ~ N° INDICATES KVA SIZE
	115/200 VOLT, 3 PHASE, 400 Hz, 4W, 15 A. RECEPTACLE, NEMA 15-15R
	28 VOLT DC OUTLET, 2W, 15A RECEPTACLE, NEMA 2-20R
	GROUNDING OUTLET
	115 VOLT, 1 PHASE, 400 Hz, 3W, 15 A. RECEPTACLE, NEMA 5-15R
	220 VOLT, 3 PHASE, 60 Hz, 4W, 15 A. RECEPTACLE, NEMA 15-15R

LIGHT FIXTURE SCHEDULE

FIXTURE MK	VOLT	WATT	LAMP NO.	LAMP TYPE	MTG. (RECESSED / SURFACE / PENDANT / BRACKET)	MANUFACTURE	CATALOG NO.	REMARKS
A	277	220	4	F42 CW	✓	METALUX	232-440 A	
B	277	150	2	F42 CW	✓	METALUX	232-240 A	
C	277	100	2	F40 CW	✓	METALUX	2A8-240	
D	120	150	1	150 A	✓	HALO	H57-150	
E	277	220	4	F40 CW	✓	METALUX	232-440 A	W/EMER. BATTERIES
F	277	150	2	F42 CW	✓	METALUX	232-240A	
G	277	100	2	F40 CW	✓	METALUX	2A8-240A	W/EMER. BATTERIES
H	120	150	1	150 A	✓	M.C. PHILBEN	27-24	SPARE ~ LIGHT NOT USED
I								
K	277	200	1		✓	STONCO	583-150 LX-PC	
"	120	150	1	50A	✓	BASE & JENNINGS	44	
M	120	100	2	F40 CW	✓	DAYBRITE	5240	
⊗	277	35	1	W/UNIT	✓	PRESCOLITE	7821	W/EMER. BATTERIES

PANEL: "MDP"

CIR.	SW.	FUSE	POLE	WIRE	COND.	REMARKS
1	200	150	3	4#1/0	2"	PANEL "A"
2	200	125	3	3#1	1¼"	75 KVA TRANSFORMER & PANEL "B" & "C"
3	60	50	3	3#6	1"	15 KVA " " & " "E"
4	100	100	3	3#3	1¼"	A/C UNIT #1 COND. UNIT
5	30	15	3	3#10	¾"	" " " #1 FAN COIL UNIT
6	50	25	3	3#10	¾"	" " " #2 COND. UNIT
7	100		2			SPARE
8	200	110	3	3#2	1¼"	400 Hz GENERATOR (MDA) #1
9	200	110	3	3#2	1¼"	400 Hz " " (") #2
10	60	35	3	3#8	1"	28 VOLT D.C. GENERATOR (BB) #1
11	60	35	3	3#8	1"	28 " " " (") #2
12	30	25	3	3#10	¾"	AIR COMPRESSOR (MBB)
13	200		3			SPACE ONLY
14	60		3			" "
15	30		3			" "

PANEL MK: "D" — ELECT. (B) — MANUF: SQUARE D — TYPE: NQO

MAIN BREAKER FRAME: ~ — MAIN BREAKER AMPS: ~ — MLO SIZE: 400 — TOP FED: ✓ — BOTTOM FED: — VOLTAGE: 28 — PHASE: SINGLE — WIRE: TWO — MTG: SURFACE

REMARKS	LOAD ΦA	LOAD ΦB	WIRE SIZE	NO. OF WIRES	POLE	TRIP	CIRC	CIRC	TRIP	POLE	NO. OF WIRES	WIRE SIZE	LOAD ΦA	LOAD ΦB	REMARKS
Ⓐ EM ~ 4	810		12	2	2	15	1	2	15	2	2	12	30		Ⓐ RM ~ 2
~		310	12				3	4				12		30	~
Ⓐ RM ~ 3	110		12	2	2	15	5	6	15	2	2	12	25		Ⓐ RM ~ 3
~		110	12				7	8				12		25	~
Ⓐ RM ~ 6	175		12	2	2	15	9	10	15	2	2	12	25		Ⓐ RM ~ 5
~		175	12				11	12				12		25	~
Ⓐ RM ~ 1	65		12	2	2	15	13	14	15	2	2	12	65		Ⓐ RM ~ 5
~		65	12				15	16				12		65	~
Ⓐ RM ~ 1	150		12	2	2	15	17	18	15	2	2	12	50		Ⓐ RM ~ 5
~		150	12				19	20				12		50	~
Ⓐ RM ~ 1	50		12	2	2	15	21	22	15	2	2	12	460		Ⓐ RM ~ 3
~		50	12				23	24				12		460	~
Ⓐ RM ~ 1	35		12	2	2	15	25	26	15	2			100		SPARE
~		35	12				27	28						100	~
SPARE	100				2	15	29	30	15	2			100		SPARE
~		100					31	32						100	~
SPACE ONLY							33	34							SPACE ONLY
" "							35	36							" "
" "							37	38							" "
" "							39	40							" "
							41	42							

WATTS: TOTAL: 3700 — ΦA= 1850 — ΦB= 1830
AMPS: TOTAL 1Φ 132 — DIVERSITY: 100% — TOTAL AMPS DIV: 132 — ΦA= 66 — ΦB= 66

PANEL MK: "A" — ELECT. (B) — MANUF: SQUARE D — TYPE: NHB

MAIN BREAKER FRAME: ~ — MAIN BREAKER AMPS: ~ — MLO SIZE: 225 — TOP FED: ✓ — BOTTOM FED: — VOLTAGE: 277/480 — PHASE: THREE — WIRE: FOUR — MTG: SURFACE

REMARKS	LOAD ΦA	LOAD ΦB	LOAD ΦC	WIRE SIZE	NO. OF WIRES	POLE	TRIP	CIRC	CIRC	TRIP	POLE	NO. OF WIRES	WIRE SIZE	LOAD ΦA	LOAD ΦB	LOAD ΦC	REMARKS
LTS ~ RM 1	3700			12	3	1	20	1	2	1	2	12	1000				OUTSIDE & EXIT LTS
" " 1,2,3,4		3400		12		1	20	3						3200			LTS ~ RM 10A, 13
" " 5			3000	12		1	20	5	3	1	3	12			2700		" " 8, 13, 14
" " 3	2700			12	4	1	20	7					1000				SPARE
" " 12, 15		2000		12		1	20	9							1000		"
" " 6, 7			3600	12	2	1	20	11								1000	"
SPACE ONLY								13									SPACE ONLY
" "								15									" "
" "								17									" "
" "								19									" "
" "								21									" "
" "								23									" "
" "								25									" "
" "								27									" "
" "								29									" "
								31									
								33									
								35									
								37									
								39									
								41									

WATTS: TOTAL: 28,300 — ΦA= 8400 — ΦB= 9600 — ΦC= 10,300
AMPS: TOTAL 3Φ 34 — DIVERSITY: 100% — TOTAL AMPS DIV.: 34 — ΦA= 30 — ΦB= 35 — ΦC= 37

PANEL MK: "E" — ELECT. (B) — MANUF: SQUARE D — TYPE: NQO

MAIN BREAKER FRAME: ~ — MAIN BREAKER AMPS: ~ — MLO SIZE: 200 — TOP FED: ✓ — BOTTOM FED: — VOLTAGE: 115/200 400 Hz — PHASE: THREE — WIRE: FOUR — MTG: SURFACE

REMARKS	LOAD ΦA	LOAD ΦB	LOAD ΦC	WIRE SIZE	NO. OF WIRES	POLE	TRIP	CIRC	CIRC	TRIP	POLE	NO. OF WIRES	WIRE SIZE	LOAD ΦA	LOAD ΦB	LOAD ΦC	REMARKS
Ⓐ RM 4	400			6	3	3	50	1	2	3							
~		400		6				3	4			4	12	25			Ⓐ RM 2
~			400	6				5	6				12		25		~
Ⓐ RM 13	520			12	3	3	15	7	8	15	3	4	12	45			Ⓐ RM 3
~		520		12				9	10				12		45		~
~			520	12				11	12				12			45	~
Ⓐ RM 6	200			12	3	3	15	13	14	15	3	4	12	610			Ⓐ RM 5
~		200		12				15	16				12		610		~
~			200	12				17	18				12			610	~
Ⓐ RM 1	190			12	3	3	15	19	20	15	3	4	12	900			Ⓐ RM 5
~		190		12				21	22				12		900		~
~			190	12				23	24				12			900	~
Ⓐ RM 1	420			12	3	3	15	25	26	15	3	4	12	705			Ⓐ RM 5
~		420		12				27	28				12		705		~
~			420	12				29	30				12			705	~
Ⓐ RM 1	170			12	3	3	15	31	32	15	3			500			SPARE
~		170		12				33	34						500		~
~			170	12				35	36							500	~
Ⓐ RM 1	565			12	3	3	15	37	38								SPACE ONLY
~		565		12				39	40								" "
~			565	12				41	42								" "

WATTS: TOTAL: 27,030 — ΦA= 9010 — ΦB= 9010 — ΦC= 9010
AMPS: TOTAL 3Φ 78 — DIVERSITY: 100% — TOTAL AMPS DIV.: 78.3 — ΦA= 78.3 — ΦB= 78.3 — ΦC= 78.3

PANEL MK: "B" — ELECT. (B) — MANUF: SQUARE D — TYPE: NQO

MAIN BREAKER FRAME: 92 — MAIN BREAKER AMPS: 225 — MLO SIZE: ~ — TOP FED: ✓ — BOTTOM FED: — VOLTAGE: 120/208 — PHASE: THREE — WIRE: FOUR — MTG: SURFACE

REMARKS	LOAD ΦA	LOAD ΦB	LOAD ΦC	WIRE SIZE	NO. OF WIRES	POLE	TRIP	CIRC	CIRC	TRIP	POLE	NO. OF WIRES	WIRE SIZE	LOAD ΦA	LOAD ΦB	LOAD ΦC	REMARKS
AIR UNIT #2 FAN COIL	600			12	2	1	20	1	2	3							
" " #2 " "		600		12	2	1	20	3						6000			PANEL "D"
EXHAUST FANS			750	12	2	1	20	5	6						6000		~
Ø ~ RM 10	800			12	3	1	20	7	8	3	3	12	1600				Ⓑ ~ RM 13
Ø " 10		800		12		1	20	9	10						1600		Ⓑ " 13
Ø " 7			1000	12	4	1	20	11	12	3	3	12				1930	Ⓑ " 14
Ø " 10, 15	600			12		1	20	13	14				1200				Ⓑ " 6
Ø " 9		750		12		1	20	15	16					500			① ~ MOTORIZED DAMP & FLR
Ø " 13			800	12		1	20	17	18						500		SPARE
Ø " 13	800			12		1	20	19	20				500				"
Ø " 14		800		12		1	20	21	22					500			"
Ø " 14			800	12		1	20	23	24						500		"
UTIL ~ LG. 12	500			12	2	1	20	25	26				500				"
RES ~ RM 9		500		12	2	1	20	27	28						500		"
Ø ~ 12			500	12	2	1	20	29	30								SPACE ONLY
SPACE ONLY								31	32								" "
" "								33	34								" "
" "								35	36								" "
" "								37	38								" "
" "								39	40								" "
								41	42								

WATTS: TOTAL: 38,837 — ΦA= 12,300 — ΦB= 12,657 — ΦC= 13,280
AMPS: TOTAL 3Φ 108 — DIVERSITY: 75% — TOTAL AMPS DIV.: 81 — ΦA= 108 — ΦB= 105 — ΦC= 111

PANEL MK: "F" — MANUF: SQUARE D — TYPE: NQO

MAIN BREAKER FRAME: 92 — MAIN BREAKER AMPS: 100 — MLO SIZE: ~ — TOP FED: ✓ — BOTTOM FED: — VOLTAGE: 220 — PHASE: THREE — WIRE: THREE — MTG:

REMARKS	LOAD ΦA	LOAD ΦB	LOAD ΦC	WIRE SIZE	NO. OF WIRES	POLE	TRIP	CIRC	CIRC	TRIP	POLE	NO. OF WIRES	WIRE SIZE	LOAD ΦA	LOAD ΦB	LOAD ΦC	REMARKS
Ø RM 14	810			12	3	3	20	1	2	20	3						SPARE
~		810		12				3	4								~
~			810	12				5	6								~
SPACE ONLY								7	8								SPACE ONLY
" "								9	10								" "
" "								11	12								" "
" "								13	14								" "
" "								15	16								" "
" "								17	18								" "
" "								19	20								" "
" "								21	22								" "
" "								23	24								" "
" "								25	26								" "
" "								27	28								" "
" "								29	30								" "
								31	32								
								33	34								
								35	36								
								37	38								
								39	40								
								41	42								

WATTS: TOTAL: 2430 — ΦA= 810 — ΦB= 810 — ΦC= 810
AMPS: TOTAL 3Φ 11 — DIVERSITY: 100% — TOTAL AMPS DIV.: 11 — ΦA= 11 — ΦB= 11 — ΦC= 11

PANEL MK: "C" — 60A. 3Φ — MANUF: SQUARE D — TYPE: NQO

MAIN BREAKER FRAME: ~ — MAIN BREAKER AMPS: ~ — MLO SIZE: 225 — TOP FED: ✓ — BOTTOM FED: — VOLTAGE: 120/208 — PHASE: THREE — WIRE: FOUR — MTG: FLUSH

REMARKS	LOAD ΦA	LOAD ΦB	LOAD ΦC	WIRE SIZE	NO. OF WIRES	POLE	TRIP	CIRC	CIRC	TRIP	POLE	NO. OF WIRES	WIRE SIZE	LOAD ΦA	LOAD ΦB	LOAD ΦC	REMARKS
Ø ~ RM 16	500			12	2	1	20	1	2	20	1	2	12	360			Ⓑ ~ RM 1
Ø " 1		800		12	3	1	20	3	4			3	12		1590		Ⓑ " 1
Ø " 1			800	12		1	20	5	6				12			1590	Ⓑ " 1
Ø " 1	800			12	3	1	20	7	8	20	1	3	12	1520			Ⓑ " 1
Ø " 1		800		12		1	20	9	10				12		130		Ⓑ " 1
Ø " 2			800	12		1	20	11	12				12			580	Ⓑ " 1
Ø " 3	800			12	4	1	20	13	14	20	1	2	12	1940			Ⓑ " 2
Ø " 4		800		12		1	20	15	16			2	12		1680		Ⓑ " 3
Ø " 5			800	12		1	20	17	18				12			1640	Ⓑ " 5
Ø " 5	800			12	4	1	20	19	20	20	1	3	12	1000			Ⓑ " 5
Ø " 5		800		12		1	20	21	22				12		1880		Ⓑ " 5
OUTSIDE LIGHTS			300	12	2	1	20	23	24	20	1	3	12			1000	Ⓑ " 5
SPARE	500					1	20	25	26				12	1000			Ⓑ " 5
"		500				1	20	27	28	20	1	2	12		1000		Ⓑ " 5
"			500			1	20	29	30				12			1000	Ⓑ " 5
"	500					1	20	31	32	20	1			500			SPARE
"		500				1	20	33	34						500		"
SPACE ONLY								35	36								SPACE ONLY
" "								37	38								" "
" "								39	40								" "
" "								41	42								" "

WATTS: TOTAL: 30,080 — ΦA= 10230 — ΦB= 10,483 — ΦC= 9,310
AMPS: TOTAL 3Φ 83 — DIVERSITY: 60% — TOTAL AMPS DIV.: 50 — ΦA= 86 — ΦB= 87 — ΦC= 78

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ELECTRICAL - SCHEDULES

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