

HL2FA												
BUS NUMBER: 15			AMPERE RATING: 70			VOLTAGE (L-L): 480			PHASE: 3			
SERVED FROM: DPL1			MAIN TYPE: MAIN BREAKER			VOLTAGE (L-N): 277			WIRE: 4			
MOUNTING: SURFACE			LUG OPTIONS:			MIN. KAIC: 14			REMARKS: EXISTING			
CKT NO.	CIRCUIT BRKR TRIP P	LOAD DESCRIPTION	C O D E	LOAD KVA	BRANCH CIRCUIT S PHASE/NEUT SIZE	BRANCH CIRCUIT MIN CND SIZE	BRANCH CIRCUIT MAX CND SIZE	LOAD KVA	C O D E	LOAD DESCRIPTION	CIRCUIT BRKR TRIP P	CKT NO.
1	20	1 LIGHTS	L	1.24	1 2 12 12 3/4			1.32	L	LIGHTS	20	1 2
3	1	SPACE ONLY								SPACE ONLY		1 4
5	1	SPACE ONLY								SPACE ONLY		1 6
7	1	SPACE ONLY								SPACE ONLY		1 8
9	1	SPACE ONLY								SPACE ONLY		1 10
11	1	SPACE ONLY								SPACE ONLY		1 12
13	1	SPACE ONLY								SPACE ONLY		1 14
NEC ART. 220 LOAD CATEGORY TOTAL CONNECTED LOAD (KW) X NEC ART. 220 FEEDER SIZING FACTOR = NEC ART. 220 FEEDER SIZING LOAD (KW) PHASE BALANCE (% OF TOTAL LOAD) A - HOSPITAL LIGHTING 0.00 0.00 0.00 BALANCED NEC ART. 220 FEEDER SIZING LOAD (AMPS) 5.3A B - HOTEL/MOTEL LIGHTING 0.00 0.00 0.00 C - SPACE COOLING 0.00 0.00 0.00 X LARGEST UNBALANCED PHASE % 2.58 D - OTHER HVAC LOADS 0.00 0.00 0.00 E - SPACE HEATING 0.00 0.00 0.00 F - KITCHEN APPLIANCES 0.00 0.00 0.00 G - GENERAL LIGHTING 2.56 1.25 3.20 + RESERVED FUTURE CAPACITY: + 7.0A H - MISC. CONTINUOUS 1.00 1.24 1.25 I - MISC. NONCONTINUOUS 0.00 0.00 0.00 J - RECEPTACLES 0.00 0.00 0.00 K - WAREHOUSE LIGHTING 0.00 0.00 0.00 LARGEST MOTOR** 0.00 0.25 0.00 MIN. NEC ART. 220 REQUIRED OVERCURRENT PROTECTION: 25 A 220 FEEDER SIZE: 20.8A TOTAL UNBALANCED NEC ART. 220 FEEDER SIZING LOAD: 20.8A												

L2FA												
BUS NUMBER: 20			AMPERE RATING: 90			VOLTAGE (L-L): 208			PHASE: 3			
SERVED FROM: TL2FA			MAIN TYPE: MAIN BREAKER			VOLTAGE (L-N): 120			WIRE: 4			
MOUNTING: SURFACE			LUG OPTIONS:			MIN. KAIC: 22			REMARKS: EXISTING			
CKT NO.	CIRCUIT BRKR TRIP P	LOAD DESCRIPTION	C O D E	LOAD KVA	BRANCH CIRCUIT S PHASE/NEUT SIZE	BRANCH CIRCUIT MIN CND SIZE	BRANCH CIRCUIT MAX CND SIZE	LOAD KVA	C O D E	LOAD DESCRIPTION	CIRCUIT BRKR TRIP P	CKT NO.
1	1	SPACE ONLY								SPACE ONLY		1 2
3	1	SPACE ONLY								SPACE ONLY		1 4
5	1	SPACE ONLY								SPACE ONLY		1 6
7	1	SPACE ONLY								SPACE ONLY		1 8
9	1	SPACE ONLY								SPACE ONLY		1 10
11	1	SPACE ONLY								SPACE ONLY		1 12
13	1	SPACE ONLY								SPACE ONLY		1 14
15	1	SPACE ONLY								SPACE ONLY		1 16
17	1	SPACE ONLY								SPACE ONLY		1 18
19	1	SPACE ONLY								SPACE ONLY		1 20
21	1	SPACE ONLY								SPACE ONLY		1 22
23	1	SPACE ONLY								SPACE ONLY		1 24
NEC ART. 220 LOAD CATEGORY TOTAL CONNECTED LOAD (KW) X NEC ART. 220 FEEDER SIZING FACTOR = NEC ART. 220 FEEDER SIZING LOAD (KW) PHASE BALANCE (% OF TOTAL LOAD) A - HOSPITAL LIGHTING 0.00 0.00 0.00 BALANCED NEC ART. 220 FEEDER SIZING LOAD (AMPS) 2.4 B - HOTEL/MOTEL LIGHTING 0.00 0.00 0.00 C - SPACE COOLING 0.00 0.00 0.00 X LARGEST UNBALANCED PHASE % 0.02 D - OTHER HVAC LOADS 0.00 0.00 0.00 E - SPACE HEATING 0.00 0.00 0.00 F - KITCHEN APPLIANCES 0.00 0.00 0.00 G - GENERAL LIGHTING 0.00 0.00 0.00 H - MISC. CONTINUOUS 1.00 1.24 1.25 I - MISC. NONCONTINUOUS 0.00 0.00 0.00 J - RECEPTACLES 0.00 0.00 0.00 K - WAREHOUSE LIGHTING 0.00 0.00 0.00 LARGEST MOTOR** 0.00 0.25 0.00 MIN. NEC ART. 220 REQUIRED OVERCURRENT PROTECTION: 25 A 220 FEEDER SIZE: 9.0A TOTAL UNBALANCED NEC ART. 220 FEEDER SIZING LOAD: 9.0A												

H2FA												
BUS NUMBER: 55			AMPERE RATING: 125			VOLTAGE (L-L): 480			PHASE: 3			
SERVED FROM: SUB110			MAIN TYPE: MAIN BREAKER			VOLTAGE (L-N): 277			WIRE: 4			
MOUNTING: SURFACE			LUG OPTIONS:			MIN. KAIC: 14			REMARKS: EXISTING			
CKT NO.	CIRCUIT BRKR TRIP P	LOAD DESCRIPTION	C O D E	LOAD KVA	BRANCH CIRCUIT S PHASE/NEUT SIZE	BRANCH CIRCUIT MIN CND SIZE	BRANCH CIRCUIT MAX CND SIZE	LOAD KVA	C O D E	LOAD DESCRIPTION	CIRCUIT BRKR TRIP P	CKT NO.
1	20	1 LIGHTS	L	3.80	1 2 12 12 3/4			1.64	L	LIGHTS	20	1 2
3	20	1 LIGHTS	L	2.37	1 2 12 12 1/2			3.52	L	LIGHTS	20	1 4
5	20	1 LIGHTS	L	2.15	1 2 12 12 3/4			2.50	L	LIGHTS	20	1 6
7	1	SPACE ONLY								SPACE ONLY		1 8
9	1	SPACE ONLY								SPACE ONLY		1 10
11	1	SPACE ONLY								SPACE ONLY		1 12
13	1	SPACE ONLY								SPACE ONLY		1 14
15	1	SPACE ONLY								SPACE ONLY		1 16
17	1	SPACE ONLY								SPACE ONLY		1 18
19	1	SPACE ONLY								SPACE ONLY		1 20
21	1	SPACE ONLY								SPACE ONLY		1 22
23	1	SPACE ONLY								SPACE ONLY		1 24
25	1	SPACE ONLY								SPACE ONLY		1 26
27	1	SPACE ONLY								SPACE ONLY		1 28
29	1	SPACE ONLY								SPACE ONLY		1 30
31	1	SPACE ONLY								SPACE ONLY		1 32
33	1	SPACE ONLY								SPACE ONLY		1 34
35	1	SPACE ONLY								SPACE ONLY		1 36
37	1	SPACE ONLY								SPACE ONLY		1 38
39	1	SPACE ONLY								SPACE ONLY		1 40
41	1	SPACE ONLY								SPACE ONLY		1 42
NEC ART. 220 LOAD CATEGORY TOTAL CONNECTED LOAD (KW) X NEC ART. 220 FEEDER SIZING FACTOR = NEC ART. 220 FEEDER SIZING LOAD (KW) PHASE BALANCE (% OF TOTAL LOAD) A - HOSPITAL LIGHTING 0.00 0.00 0.00 BALANCED NEC ART. 220 FEEDER SIZING LOAD (AMPS) 54.2A B - HOTEL/MOTEL LIGHTING 0.00 0.00 0.00 C - SPACE COOLING 0.00 0.00 0.00 X LARGEST UNBALANCED PHASE % 1.15 D - OTHER HVAC LOADS 0.00 0.00 0.00 E - SPACE HEATING 0.00 0.00 0.00 F - KITCHEN APPLIANCES 0.00 0.00 0.00 G - GENERAL LIGHTING 17.80 25 22.25 + RESERVED FUTURE CAPACITY: + 12.5A H - MISC. CONTINUOUS 0.00 0.00 0.00 I - MISC. NONCONTINUOUS 0.00 0.00 0.00 J - RECEPTACLES 0.00 0.00 0.00 K - WAREHOUSE LIGHTING 0.00 0.00 0.00 LARGEST MOTOR** 0.00 0.25 0.00 MIN. NEC ART. 220 REQUIRED OVERCURRENT PROTECTION: 80 A 220 FEEDER SIZE: 75.5A TOTAL UNBALANCED NEC ART. 220 FEEDER SIZING LOAD: 75.5A												

2FA1												
BUS NUMBER: 60			AMPERE RATING: 225			VOLTAGE (L-L): 208			PHASE: 3			
SERVED FROM: T2FA			MAIN TYPE: MAIN BREAKER			VOLTAGE (L-N): 120			WIRE: 4			
MOUNTING: SURFACE			LUG OPTIONS:			MIN. KAIC: 22			REMARKS: EXISTING			
CKT NO.	CIRCUIT BRKR TRIP P	LOAD DESCRIPTION	C O D E	LOAD KVA	BRANCH CIRCUIT S PHASE/NEUT SIZE	BRANCH CIRCUIT MIN CND SIZE	BRANCH CIRCUIT MAX CND SIZE	LOAD KVA	C O D E	LOAD DESCRIPTION	CIRCUIT BRKR TRIP P	CKT NO.
1	20	1 RECEPTACLES	R	0.8	1 2 12 12 3/4			0.72	R	RECEPTACLES	20	1 2
3	20	1 RECEPTACLES	R	0.8	1 2 12 12 3/4			1.26	R	RECEPTACLES	20	1 4
5	20	1 RECEPTACLES	R	0.8	1 2 12 12 3/4			1.08	R	RECEPTACLES	20	1 6
7	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.18	R	RECEPTACLES	20	1 8
9	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.36	R	RECEPTACLES	20	1 10
11	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.72	R	RECEPTACLES	20	1 12
13	20	1 RECEPTACLES	R	0.90	1 2 12 12 3/4			1.00	R	RECEPTACLES	20	1 14
15	20	1 RECEPTACLES	R	0.90	1 2 12 12 3/4			1.00	R	RECEPTACLES	20	1 16
17	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			1.08	R	RECEPTACLES	20	1 18
19	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			1.44	R	RECEPTACLES	20	1 20
21	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.72	R	RECEPTACLES	20	1 22
23	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.18	R	RECEPTACLES	20	1 24
25	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.72	R	RECEPTACLES	20	1 26
27	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.54	R	RECEPTACLES	20	1 28
29	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			0.54	R	RECEPTACLES	20	1 30
31	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4			1.26	R	RECEPTACLES	20	1 32
33	25	1 RECEPTACLES	R	2.16	1 2 10 10 3/4			0.36	R	RECEPTACLES	20	1 34
35	20	1 RECEPTACLES	R	1.26	1 2 12 12 3/4			0.72	R	RECEPTACLES	20	1 36
37	20	1 RECEPTACLES	R	1.08	1 2 12 12 3/4			0.18	X	RECEPTACLES	20	1 38
39	20	1 RECEPTACLES	R	0.54	1 2 12 12 3/4			0.50	X	2FA2	100	3 40
41	20	1 RECEPTACLES	R	0.72	1 2 12 12 3/4				X			1 42
NEC ART. 220 LOAD CATEGORY TOTAL CONNECTED LOAD (KW) X NEC ART. 220 FEEDER SIZING FACTOR = NEC ART. 220 FEEDER SIZING LOAD (KW) PHASE BALANCE (% OF TOTAL LOAD) A - HOSPITAL LIGHTING 0.00 0.00 0.00 BALANCED NEC ART. 220 FEEDER SIZING LOAD (AMPS) 61.1A B - HOTEL/MOTEL LIGHTING 0.00 0.00 0.00 C - SPACE COOLING 0.00 0.00 0.00 X LARGEST UNBALANCED PHASE % 1.04 D - OTHER HVAC LOADS 0.00 0.00 0.00 E - SPACE HEATING 0.00 0.00 0.00 F - KITCHEN APPLIANCES 0.00 0.00 0.00 G - GENERAL LIGHTING 0.00 0.00 0.00 H - MISC. CONTINUOUS 0.50 1.24 0.62 I - MISC. NONCONTINUOUS 0.00 0.00 0.00 J - RECEPTACLES 32.78 0.65 21.39 K - WAREHOUSE LIGHTING 0.00 0.00 0.00 LARGEST MOTOR** 0.00 0.25 0.00 MIN. NEC ART. 220 REQUIRED OVERCURRENT PROTECTION: 90 A 220 FEEDER SIZE: 86.3A TOTAL UNBALANCED NEC ART. 220 FEEDER SIZING LOAD: 86.3A												

2FA2												
BUS NUMBER: 65			AMPERE RATING: 225			VOLTAGE (L-L): 208			PHASE: 3			
SERVED FROM: 2FA1			MAIN TYPE: MAIN LUGS ONLY			VOLTAGE (L-N): 120			WIRE: 4			
MOUNTING: SURFACE			LUG OPTIONS: SUB-FEED			MIN. KAIC: 22			REMARKS: EXISTING			
CKT NO.	CIRCUIT BRKR TRIP P	LOAD DESCRIPTION	C O D E	LOAD KVA	BRANCH CIRCUIT S PHASE/NEUT SIZE	BRANCH CIRCUIT MIN CND SIZE	BRANCH CIRCUIT MAX CND SIZE	LOAD KVA	C O D E	LOAD DESCRIPTION	CIRCUIT BRKR TRIP P	CKT NO.
1	20	1 RECEPTACLES	R	0.18	1 2 12 12 3/4			1.44	N	110-VMMH HUMIDIFIER	20	1 2
3	20	1 FAUCET HT	M	0.50	1 3 12 12 3/4					SPACE ONLY		1 4
5	1	SPACE ONLY								SPACE ONLY		1 6
7	1	SPACE ONLY								SPACE ONLY		1 8
9	1	SPACE ONLY								SPACE ONLY		1 10
11	1	SPACE ONLY								SPACE ONLY		1 12
13	1	SPACE ONLY								SPACE ONLY		1 14
15	1	SPACE ONLY								SPACE ONLY		1 16
17	1	SPACE ONLY								SPACE ONLY		1 18
19	1	SPACE ONLY								SPACE ONLY		1 20
21	1	SPACE ONLY								SPACE ONLY		1 22
23	1	SPACE ONLY								SPACE ONLY		1 24
25	1	SPACE ONLY								SPACE ONLY		1 26
27	1	SPACE ONLY								SPACE ONLY		1 28
29	1	SPACE ONLY								SPACE ONLY		1 30
NEC ART. 220 LOAD CATEGORY TOTAL CONNECTED LOAD (KW) X NEC ART. 220 FEEDER SIZING FACTOR = NEC ART. 220 FEEDER SIZING LOAD (KW) PHASE BALANCE (% OF TOTAL LOAD) A - HOSPITAL LIGHTING 0.00 0.00 0.00 BALANCED NEC ART. 220 FEEDER SIZING LOAD (AMPS) 6.2A B - HOTEL/MOTEL LIGHTING 0.00 0.00 0.00 C - SPACE COOLING 0.00 0.00 0.00 X LARGEST UNBALANCED PHASE % 2.29 D - OTHER HVAC LOADS 0.00 0.00 0.00 E - SPACE HEATING 0.00 0.00 0.00 F - KITCHEN APPLIANCES 0.00 0.00 0.00 G - GENERAL LIGHTING 0.00 0.00 0.00 H - MISC. CONTINUOUS 0.50 1.24 0.62 I - MISC. NONCONTINUOUS 0.00 0.00 0.00 J - RECEPTACLES 0.18 0.99 0.18 K - WAREHOUSE LIGHTING 0.00 0.00 0.00 LARGEST MOTOR** 0.00 0.25 0.00 MIN. NEC ART. 220 REQUIRED OVERCURRENT PROTECTION: 40 A 220 FEEDER SIZE: 36.7A TOTAL UNBALANCED NEC ART. 220 FEEDER SIZING LOAD: 36.7A												

REVISION	DESCRIPTION	DATE