PANEL SCHEDULE: 3EQ (EQUIPMENT BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 50A
MAIN SIZE/TYPE: 50A/MCB
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**TERMINAL UNIT CONTROLS**	**400**	**#12**	20/1	A	20/1	EXIST.	540	EXISTING LOAD	2
3	EXISTING LOAD	600	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	4
5	EXISTING LOAD	600	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	6
7	EXISTING LOAD	600	EXIST.	20/1	A	20/1	EXIST.	540	EXISTING LOAD	8
9	EXISTING LOAD	540	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	10
11	EXISTING LOAD	540	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	12
13	EXISTING LOAD	600	EXIST.	20/1	A	20/1	EXIST.	540	EXISTING LOAD	14
15	EXISTING LOAD	600	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	16
17	EXISTING LOAD	300	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	18
19	EXISTING LOAD	540	EXIST.	20/1	A	20/1	EXIST.	300	EXISTING LOAD	20
21	EXISTING LOAD	540	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	22
23	EXISTING LOAD	540	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	24
25	EXISTING LOAD	540	EXIST.	20/1	A	20/1	EXIST.	540	EXISTING LOAD	26
27	EXISTING LOAD	540	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	28
29	EXISTING LOAD	540	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	1.2	1.2	0.6	3.0	8.3	3.8	10.4
RECEPTACLES @ 10KW+50%	3.2	4.3	4.3	11.9	33.0	10.9	30.4
EQUIPMENT @ 100%	0.7	0.0	0.3	1.0	2.8	1.0	2.8
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	5.1	5.5	5.2	15.9	44.1	**15.7**	**43.6**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 15.7
Total Demand Amps: 43.6

PANEL SCHEDULE: 3EQA (EQUIPMENT BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 50A
MAIN SIZE/TYPE: 50A/MCB
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**TERMINAL UNIT CONTROLS**	**750**	**#12**	20/1	A	20/1	**#12**	**480**	**AHU-2 LTS & RECP.**	2
3	**FIRE/SMOKE DAMPERS**	**600**	**#12**	20/1	B	20/1	EXIST.	500	EXISTING LOAD	4
5	**CARD READER DOORS**	**150**	**#12**	20/1	C	20/1	EXIST.	500	EXISTING LOAD	6
7	EXISTING LOAD	500	EXIST.	20/1	A	20/1	EXIST.	500	EXISTING LOAD	8
9	EXISTING LOAD	500	EXIST.	20/1	B	20/1	EXIST.	500	EXISTING LOAD	10
11	EXISTING LOAD	500	EXIST.	20/1	C	20/1	EXIST.	500	EXISTING LOAD	12
13	EXISTING LOAD	500	EXIST.	20/1	A	20/1	EXIST.	500	EXISTING LOAD	14
15	EXISTING LOAD	500	EXIST.	20/1	B	20/1	EXIST.	500	EXISTING LOAD	16
17	EXISTING LOAD	500	EXIST.	20/1	C	20/1	EXIST.	500	EXISTING LOAD	18
19	EXISTING LOAD	500	EXIST.	20/1	A	20/1	EXIST.	500	EXISTING LOAD	20
21	EXISTING LOAD	500	EXIST.	20/1	B	20/1	EXIST.	500	EXISTING LOAD	22
23	EXISTING LOAD	500	EXIST.	20/1	C	20/1	EXIST.	500	EXISTING LOAD	24
25	EXISTING LOAD	500	EXIST.	20/1	A	20/1	EXIST.	500	EXISTING LOAD	26
27	EXISTING LOAD	500	EXIST.	20/1	B	30/1	EXIST.	1000	EXISTING LOAD	28
29	EXISTING LOAD	500	EXIST.	20/1	C				SPACE	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	0.5	0.5	0.5	1.5	4.2	1.9	5.2
RECEPTACLES @ 10KW+50%	4.0	3.5	3.0	10.5	29.1	10.2	28.4
EQUIPMENT @ 100%	0.8	1.6	0.7	3.0	8.3	3.0	8.3
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	5.2	5.6	4.2	15.0	41.6	**15.1**	**42.0**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 15.1
Total Demand Amps: 42.0

PANEL SCHEDULE: 3EC (CRITICAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 125A
MAIN SIZE/TYPE: 125A/MCB
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**LTS. GYM, DINING**	**1071**	**#12**	20/1	A	20/1	EXIST.	720	EXISTING LOAD	2
3	**Rec. Ref. Dining**	**800**	**#12**	20/1	B	20/1	EXIST.	720	EXISTING LOAD	4
5	**Rec. Comp. Gym**	**720**	**#12**	20/1	C	20/1	EXIST.	720	EXISTING LOAD	6
7	**Rec. ADL APT**	**1080**	**#12**	20/1	A	30/1	EXIST.	1800	EXISTING LOAD	8
9	EXISTING LOAD	720	EXIST.	20/1	B	20/1	EXIST.	720	EXISTING LOAD	10
11	EXISTING LOAD	720	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD	12
13	EXISTING LOAD	720	EXIST.	20/1	A	20/1	EXIST.	720	EXISTING LOAD	14
15	EXISTING LOAD	720	EXIST.	20/1	B	30/1			SPARE	16
17	EXISTING LOAD	720	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD	18
19	EXISTING LOAD	720	EXIST.	20/1	A	20/1	EXIST.	500	EXISTING LOAD	20
21	EXISTING LOAD	720	EXIST.	20/1	B	20/1			SPARE	22
23	EXISTING LOAD	720	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD	24
25	EXISTING LOAD	720	EXIST.	20/1	A	20/2	EXIST.	0	EXISTING LOAD	26
27	EXISTING LOAD	1800	EXIST.	30/1	B			0		28
29	EXISTING LOAD	1800	EXIST.	30/1	C	30/1			SPARE	30
31	SPARE			30/1	A	20/1	EXIST.	720	EXISTING LOAD	32
33	SPARE			20/1	B	20/1	EXIST.	720	EXISTING LOAD	34
35	EXISTING LOAD	1800	EXIST.	30/1	C	20/1	EXIST.	720	EXISTING LOAD	36
37	EXISTING LOAD	1800	EXIST.	30/1	A	50/3	EXIST.	2880	PANEL "3ECA"	38
39	EXISTING LOAD	1800	EXIST.	30/1	B			2160		40
41	EXISTING LOAD	720	EXIST.	20/1	C			2160		42

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	1.1	0.0	0.0	1.1	3.0	1.3	3.7
RECEPTACLES @ 10KW+50%	9.0	8.7	10.8	28.5	79.2	19.3	53.5
EQUIPMENT @ 100%	0.5	0.0	0.0	0.5	1.4	0.5	1.4
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	2.9	2.2	2.2	7.2	20.0	7.2	20.0
TOTAL▼	13.5	10.9	13.0	37.3	103.5	**28.3**	**78.5**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD WIRE AND/OR BREAKER.**
Total Demand KVA: 28.3
Total Demand Amps: 78.5

PANEL SCHEDULE: 3ECA (CRITICAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	SPARE			30/2	A	20/1	EXIST.	720	EXISTING LOAD	2
3					B	20/1			SPARE	4
5	SPARE			20/1	C	30/2			SPARE	6
7	SPARE			20/1	A					8
9	EXISTING LOAD	720	EXIST.	20/1	B	30/2			SPARE	10
11	EXISTING LOAD	720	EXIST.	20/1	C					12
13	EXISTING LOAD	720	EXIST.	20/1	A	20/1	EXIST.	720	EXISTING LOAD	14
15	EXISTING LOAD	720	EXIST.	20/1	B	20/1	EXIST.	720	EXISTING LOAD	16
17	EXISTING LOAD	720	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD	18
19	EXISTING LOAD	720	EXIST.	20/1	A				SPACE	20
21	SPARE			20/1	B				SPACE	22
23	SPARE			50/2	C				SPACE	24
25					A				SPACE	26
27	SPACE				B				SPACE	28
29	SPACE				C				SPACE	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RECEPTACLES @ 10KW+50%	2.9	2.2	2.2	7.2	20.0	7.2	20.0
EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	2.9	2.2	2.2	7.2	20.0	**7.2**	**20.0**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 7.2
Total Demand Amps: 20.0

PANEL SCHEDULE: 3ECB (CRITICAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 50A
MAIN SIZE/TYPE: 50A/MCB
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**LTS. PAT. ROOMS**	**1819**	**#12**	20/1	A	20/1	**#12**	**360**	**REC. PAT. ROOMS**	2
3	**LTS. PAT. ROOMS**	**1160**	**#12**	20/1	B	20/1	**#12**	**720**	**REC. PAT. ROOMS**	4
5	**REC. PAT. ROOMS**	**720**	**#12**	20/1	C	20/1	**#12**	**180**	**CRASH CART**	6
7	**REC. PAT. ROOMS**	**1440**	**#12**	20/1	A	20/1	**#12**	**1080**	**REC. PAT. ROOMS**	8
9	**REC. NURSE STATION**	**1200**	**#12**	20/1	B	20/1	**#12**	**1080**	**REC. PAT. ROOMS**	10
11	**REC. NURSE STATION**	**1200**	**#12**	20/1	C	20/1	**#12**	**1080**	**REC. PAT. ROOMS**	12
13	**PRINTERS**	**540**	**#12**	20/1	A	20/1	EXIST.	540	EXISTING LOAD	14
15	**REC. DICT.**	**1200**	**#12**	20/1	B	20/1	EXIST.	540	EXISTING LOAD	16
17	**REC. MEDS ROOM**	**1560**	**#12**	20/1	C	20/1	EXIST.	540	EXISTING LOAD	18
19	EXISTING LOAD	540	EXIST.	20/1	A	20/1	EXIST.	540	EXISTING LOAD	20
21	EXISTING LOAD	540	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	22
23	EXISTING LOAD	540	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	24

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	1.8	1.2	0.0	3.0	8.3	3.7	10.3
RECEPTACLES @ 10KW+50%	5.0	5.8	6.4	17.2	47.8	13.6	37.8
EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	6.9	7.0	6.4	20.2	56.1	**17.3**	**48.1**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 17.3
Total Demand Amps: 48.1

PANEL SCHEDULE: 3C (NORMAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 90A
MAIN SIZE/TYPE: 90A/MCB
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**LTS. PAT. ROOMS**	**1769**	**#12**	20/1	A	20/1	**#12**	**1260**	**REC. PAT. ROOM**	2
3	**LTS. PAT. ROOMS**	**1438**	**#12**	20/1	B	20/1	**#12**	**1080**	**REC. PAT. ROOM**	4
5	**LTS. CORRIDOR**	**795**	**#12**	20/1	C	20/1	**#12**	**1080**	**REC. PAT. ROOM**	6
7	**REC. PAT. ROOM**	**1080**	**#12**	20/1	A	70/3	EXIST.	9000	PANEL "3D"	8
9	**REC. PAT. ROOM**	**1080**	**#12**	20/1	B			7760		10
11	**REC. PAT. ROOM**	**1080**	**#12**	20/1	C			8480		12
13	**REC. PAT. ROOM**	**1080**	**#12**	20/1	A	20/1	**#12**	**1080**	**REC. PAT. ROOM**	14
15	**REC. HSKP, OFFICE**	**1440**	**#12**	20/1	B	20/1	**#12**	**1200**	**REC. NURSE STATION**	16
17	**REC. EQUIP. ROOM**	**1260**	**#12**	20/1	C	20/1	**#12**	**540**	**REC. NURSE STATION**	18
19	**REC. PAT. ROOM**	**900**	**#12**	20/1	A	20/1	**#12**	**1200**	**REC. DICT.**	20
21	**REC. PAT. ROOM**	**900**	**#12**	20/1	B	20/1	**#12**	**1200**	**REC. NURSE STATION**	22
23	**REC. PAT. ROOM**	**900**	**#12**	20/1	C	20/1	**#12**	**900**	**REC. PAT. ROOM**	24
25	EXISTING LOAD	540	EXIST.	20/1	A	20/1	**#12**	**900**	**REC. PAT. ROOM**	26
27	EXISTING LOAD	540	EXIST.	20/1	B	20/1	**#12**	**900**	**REC. PAT. ROOM**	28
29	EXISTING LOAD	540	EXIST.	20/1	C	20/1	**#12**	**900**	**REC. PAT. ROOM**	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	1.8	1.4	0.8	4.0	11.1	5.0	13.9
RECEPTACLES @ 10KW+50%	8.0	8.3	7.2	23.6	65.5	16.8	46.6
EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	7.6	6.5	7.0	21.2	58.7	16.5	45.7
TOTAL▼	17.4	16.3	15.0	48.7	135.3	**38.3**	**106.2**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 38.3
Total Demand Amps: 106.2

PANEL SCHEDULE: 3D (NORMAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**ICE MACHINE**	**1200**	**#12**	20/1	A	20/1	**#12**	**1080**	**REC. PAT. ROOM**	2
3	**REC. NOURISH**	**680**	**#12**	20/1	B	20/1	**#12**	**1080**	**REC. PAT. ROOM**	4
5	**COFFEE MAKER**	**1200**	**#12**	20/1	C	20/1	**#12**	**1260**	**REC. PAT. ROOM**	6
7	**MICROWAVE**	**1500**	**#12**	20/1	A	20/1	**#12**	**900**	**REC. PAT. ROOM**	8
9	**REC. BREAK ROOM**	**900**	**#12**	20/1	B	20/1	**#12**	**900**	**REC. PAT. ROOM**	10
11	**REF. BREAK ROOM**	**800**	**#12**	20/1	C	20/1	**#12**	**900**	**REC. PAT. ROOM**	12
13	**RECPS. MULTI PURPOSE**	**720**	**#12**	20/1	A	20/1	**#12**	**1080**	**REC. PAT. ROOM**	14
15	EXISTING LOAD	600	EXIST.	20/1	B	20/1	**#12**	**1080**	**REC. PAT. ROOM**	16
17	EXISTING LOAD	540	EXIST.	20/1	C	20/1	**#12**	**1260**	**REC. PAT. ROOM**	18
19	EXISTING LOAD	540	EXIST.	20/1	A	20/1	**#12**	**900**	**REC. PAT. ROOM**	20
21	EXISTING LOAD	540	EXIST.	20/1	B	20/1	**#12**	**900**	**REC. PAT. ROOM**	22
23	EXISTING LOAD	540	EXIST.	20/1	C	20/1	**#12**	**900**	**REC. PAT. ROOM**	24
25	EXISTING LOAD	540	EXIST.	20/1	A	20/1	EXIST.	540	EXISTING LOAD	26
27	EXISTING LOAD	540	EXIST.	20/1	B	20/1	EXIST.	540	EXISTING LOAD	28
29	EXISTING LOAD	540	EXIST.	20/1	C	20/1	EXIST.	540	EXISTING LOAD	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	0.0	0.6	0.0	0.6	1.7	0.8	2.1
RECEPTACLES @ 10KW+50%	9.0	7.2	8.5	24.6	68.4	17.3	48.1
EQUIPMENT @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	9.0	7.8	8.5	25.2	70.1	**18.1**	**50.2**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 18.1
Total Demand Amps: 50.2

PANEL SCHEDULE: EQ (EQUIPMENT BRANCH) (EXISTING)

VOLTS/PHASE: 480Y/277V, 3PH, 3W
BUS AMPS: 800A
MAIN SIZE/TYPE: MLO
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	SPACE				A	60/3	EXIST.	3333	30kVA XFMR	2
3	SPACE				B			3333		
		27713			C			3333		
5	EXISTING LOAD	27713	EXIST.	400/3	A	100/3	EXIST.	8853	DOMESTIC WATER BOOSTER PUMPS	4
		27713			B			8853		
		27713			C			8853		
7	PANEL EQH	13856	EXIST.	150/3	A				SPACE	6
		13856			B					
		13856			C					
9	EQ PANEL PAT. FLS	9238	EXIST.	100/3	A				SPACE	8
		9238			B					
		9238			C					
11	PANEL EQ4	5542	EXIST.	60/3	A	**150/3**	**RE: E4.02**	**26771**	**3RD FLOOR MECHANICAL ROOM WIREWAY**	10
		5542			B			**26771**		
		5542			C			**26771**		
13	PANEL KEQ	9238	EXIST.	100/3	A	100/3	EXIST.	9238	PANEL EQ2	12
		9238			B			9238		
		9238			C			9238		
15	PANEL MSC-2	13856	EXIST.	150/3	A	250/3	EXIST.	23094	PANEL EQ1	14
		13856			B			23094		
		13856			C			23094		

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RECEPTACLES @ 10KW+50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EQUIPMENT @ 100%	124.0	124.0	151.7	399.6	480.6	399.6	480.6
HVAC COOLING @ 100%	26.8	26.8	26.8	80.3	96.6	80.3	96.6
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	150.7	150.7	178.4	479.9	577.2	**479.9**	**577.2**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 479.9
Total Demand Amps: 577.2

PANEL SCHEDULE: 3A (NORMAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 125A
MAIN SIZE/TYPE: 125A/MCB
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**LTS. CORRIDOR**	**295**	**#12**	20/1	A	20/1	**#12**	**540**	**Computers Gym**	2
3	**LTS. GYM, DINING**	**1583**	**#12**	20/1	B	20/1	**#12**	**900**	**Floor Plugs Gym**	4
5	**Rec. Dining Room**	**1260**	**#12**	20/1	C	20/1	**#12**	**1440**	**Rec. Gym**	6
7	**Rec. Dining Room**	**720**	**#12**	20/1	A	70/3	EXIST.	4720	PANEL "3B"	8
9	**Ice Machine Dining**	**1200**	**#12**	20/1	B			4080		10
11	**Coffee Maker Dining**	**1200**	**#12**	20/1	C			3900		12
13	**Micro Wave Dining**	**1500**	**#12**	20/1	A	20/1	**#12**	**800**	**Ref. ADL Kitchen**	14
15	**Rec. Gym, Closets**	**1080**	**#12**	20/1	B	**50/2**	**#8**	**4160**	**Range ADL Kitchen**	16
17	**Rec. Equip.**	**900**	**#12**	20/1	C			**4160**		18
19	**Rec. ADL APT**	**1280**	**#12**	20/1	A	**30/2**	**#10**	**1500**	**Dryer ADL Kitchen**	20
21	**Rec. Housekeeping**	**540**	**#12**	20/1	B			**1500**		22
23	**Rec. ADL APT**	**900**	**#12**	20/1	C	20/1	**#12**	**720**	**Rec. ADL Kitchen**	24
25	**Rec. ADL APT**	**1440**	**#12**	**20/1**	A	20/1	**#12**	**1500**	**Laundry ADL Kitchen**	26
27	**Rec. ADL APT**	**900**	**#12**	**20/1**	B	20/1	**#12**	**500**	**RANGE HOOD**	28
29	SPACE				C	20/1	EXIST.	360	EXISTING LOAD	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	0.3	1.6	0.0	1.9	5.2	2.3	6.5
RECEPTACLES @ 10KW+50%	7.8	5.1	6.8	19.7	54.6	14.8	41.2
EQUIPMENT @ 100%	1.5	5.7	4.2	11.3	31.4	11.3	31.4
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	4.7	4.1	3.9	12.7	35.3	14.0	38.9
TOTAL▼	14.3	16.4	14.8	45.6	126.5	**42.5**	**118.0**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 42.5
Total Demand Amps: 118.0

PANEL SCHEDULE: 3B (NORMAL BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	EXISTING LOAD	480	EXIST.	20/1	A	20/1	EXIST.	360	EXISTING LOAD	2
3	EXISTING LOAD	480	EXIST.	20/1	B	20/1	EXIST.	360	EXISTING LOAD	4
5	EXISTING LOAD	480	EXIST.	20/1	C	20/1	EXIST.	360	EXISTING LOAD	6
7	EXISTING LOAD	480	EXIST.	20/1	A	20/1	EXIST.	360	EXISTING LOAD	8
9	EXISTING LOAD	480	EXIST.	20/1	B	20/1	EXIST.	360	EXISTING LOAD	10
11	EXISTING LOAD	480	EXIST.	20/1	C	20/1	EXIST.	360	EXISTING LOAD	12
13	EXISTING LOAD	480	EXIST.	20/1	A	20/1	EXIST.	360	EXISTING LOAD	14
15	EXISTING LOAD	480	EXIST.	20/1	B	20/1	EXIST.	360	EXISTING LOAD	16
17	EXISTING LOAD	480	EXIST.	20/1	C	20/1	EXIST.	300	EXISTING LOAD	18
19	EXISTING LOAD	480	EXIST.	20/1	A	30/1	EXIST.	1000	EXISTING LOAD	20
21	EXISTING LOAD	480	EXIST.	20/1	B	20/1	EXIST.	360	EXISTING LOAD	22
23	EXISTING LOAD	360	EXIST.	20/1	C	20/1	EXIST.	360	EXISTING LOAD	24
25	EXISTING LOAD	360	EXIST.	20/1	A	20/1	EXIST.	360	EXISTING LOAD	26
27	EXISTING LOAD	360	EXIST.	20/1	B	20/1	EXIST.	360	EXISTING LOAD	28
29	EXISTING LOAD	360	EXIST.	20/1	C	20/1	EXIST.	360	EXISTING LOAD	30

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	1.9	1.9	1.4	5.3	14.7	6.6	18.3
RECEPTACLES @ 10KW+50%	2.8	2.2	2.2	7.1	19.8	7.1	19.8
EQUIPMENT @ 100%	0.0	0.0	0.3	0.3	0.8	0.3	0.8
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	4.7	4.1	3.9	12.7	35.3	**14.0**	**38.9**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 14.0
Total Demand Amps: 38.9

PANEL SCHEDULE: 3EA (LIFE SAFETY BRANCH) (EXISTING)

VOLTS/PHASE: 208Y/120V, 3PH, 4W
BUS AMPS: 100A
MAIN SIZE/TYPE: MLO
MOUNTING: SURFACE

SECTION 1

NO.	DESCRIPTION	LOAD/VA	WIRE	BKR.	PHASE	BKR.	WIRE	LOAD/VA	DESCRIPTION	NO.
1	**LTS. CORRIDOR**	**721**	**#12**	20/1	A	20/1	**#12**	**1200**	**FIRE DOOR**	2
3	**MED GAS ALARM PANEL**	**300**	**#12**	20/1	B	20/1	**#12**	**1200**	**FIRE DOOR**	4
5	EXISTING LOAD	900	EXIST.	20/1	C	20/1	**#12**	**1200**	**FIRE DOOR**	6
7	EXISTING LOAD	900	EXIST.	20/1	A	20/1	EXIST.	900	EXISTING LOAD	8
9	EXISTING LOAD	900	EXIST.	20/1	B	20/1	EXIST.	720	EXISTING LOAD	10
11	EXISTING LOAD	500	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD	12
13	EXISTING LOAD	900	EXIST.	20/1	A	20/1	EXIST.	720	EXISTING LOAD	14
15	EXISTING LOAD	500	EXIST.	20/1	B	20/1	EXIST.	720	EXISTING LOAD	16
17	EXISTING LOAD	900	EXIST.	20/1	C	20/1	EXIST.	720	EXISTING LOAD	18
19	EXISTING LOAD	500	EXIST.	20/1	A	20/1	EXIST.	720	EXISTING LOAD	20
21	EXISTING LOAD	500	EXIST.	20/1	B	20/1	EXIST.	720	EXISTING LOAD	22
23	EXISTING LOAD	500	EXIST.	20/1	C	20/1	EXIST.	500	EXISTING LOAD	24

DEMAND LOAD CALC.	PHASE A	PHASE B	PHASE C	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
LIGHTING X 125%	3.4	0.9	1.8	6.1	17.0	7.7	21.2
RECEPTACLES @ 10KW+50%	1.4	2.2	1.4	5.0	14.0	5.0	14.0
EQUIPMENT @ 100%	1.7	2.5	2.7	6.9	19.2	6.9	19.2
HVAC COOLING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HVAC HEATING @ 100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KITCHEN @ NEC 220.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LARGEST MOTOR @ 1.25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUB PANELS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL▼	6.6	5.6	5.9	18.1	50.1	**19.6**	**54.4**

PANEL NOTES: **SHADING INDICATES NEW DESCRIPTION, LOAD, WIRE AND/OR BREAKER.**
Total Demand KVA: 19.6
Total Demand Amps: 54.4

PANEL SCHEDULES GENERAL NOTES

1. REFER TO THE GENERAL NOTES ON THE INFORMATION SHEET FOR ADDITIONAL INFORMATION.
2. PROVIDE NEW ACCURATE COMPUTER GENERATED PANEL SCHEDULES FOR ALL PANELBOARDS ASSOCIATED WITH THE SCOPE OF WORK. SCHEDULES SHALL INDICATE DEVICES AND/OR EQUIPMENT SERVED. WHERE GENERIC DESCRIPTIONS (EXISTING LOAD, LIGHTING, RECEPTACLES, ETC.) ARE USED, CONTRACTOR SHALL UTILIZE PREVIOUS PANEL SCHEDULES TO PROVIDE BEST DESCRIPTION POSSIBLE.
3. THE EQUIPMENT GROUNDING TERMINAL BUSES OF THE NORMAL AND ESSENTIAL BRANCH-CIRCUIT PANELBOARDS SERVING THE SAME INDIVIDUAL PATIENT CARE VICINITY SHALL BE CONNECTED TOGETHER WITH AN INSULATED CONTINUOUS COPPER CONDUCTOR NOT SMALLER THAN #10.

PANEL SCHEDULES - ELECTRICAL

NO SCALE | 1

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3rd Floor INPATIENT REHAB UNIT

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TITLE
PANEL SCHEDULES - ELECTRICAL

SHEET
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