NEW PANEL MDP SCHEDULE

600 AMP MCB | 480Y/277 VOLTS | 3PH, 4W, 60 HZ | MIN. 22 KAIC | SURFACE MOUNTED | SE RATED | NEMA 1

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	PANEL 1HA	*	100	12.9	3.6	A	44.1	159.1	225	*	PANEL 2HA	2
3				8.2	2.3	B	47.9	172.8				4
5				7.0	1.9	C	51.3	185.1				6
7	PANEL 1LA	*	175	131.0	36.3	A	21.7	78.4	80	3	RTU-1	8
9	FED VIA XFMR 1TA (112.5 KVA)			129.9	36.0	B	21.7	78.4				10
11				135.1	37.4	C	21.7	78.4			ON ROOF	12
13	ELEVATOR	1	100	80.0	22.2	A	21.7	78.4	80	3	RTU-2	14
15				80.0	22.2	B	21.7	78.4				16
17				80.0	22.2	C	21.7	78.4			ON ROOF	18
19	SPARE		100			A			100		SPARE	20
21						B						22
23						C						24
25	SPARE		100			A			100		SPARE	26
27						B						28
29						C						30
31	SPACE					A					SPACE	32
33						B						34
35						C						36
37	SPACE					A			**	**	SPD (NOTE 2)	38
39						B						40
41						C						42

TOTAL AMPS (CONN. LOAD) A: 539.7 B: 547.7 C: 564.0
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 539.7 B: 547.7 C: 564.0

PANELBOARD OPTIONS:
1. PROVIDE 100% RATED MCB.
2. PROVIDE EXTERNALLY MOUNTED SPD.

PANELBOARD...
1. LOCATION: ELECTRICAL RM. 120
2. BREAKER RATING AND WIRE SIZE MAY VARY BY MANUFACTURER. PROVIDE BREAKER AND WIRE SIZE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION...

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA 12.8	KVA	KVA 12.8	KVA 1.25	16.0	KVA
RECEPTACLES	KVA 48.4	KVA	KVA 48.4	KVA NEC	29.2	KVA
MECH EQUIP 130.3	KVA 176.2	KVA	KVA 306.5	KVA 1.00	306.5	KVA
ELECTRIC HEAT	KVA 3.7	KVA	KVA 3.7	KVA 1.25	4.6	KVA
MISCELLANEOUS	KVA 14.9	KVA	KVA 14.9	KVA 1.00	14.9	KVA
ELEVATOR 66.5	KVA	KVA	KVA 66.5	KVA 0.80	53.2	KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	196.8 KVA	255.9 KVA	KVA 452.7	KVA	424.4	KVA
TOTALS (CONN. KVA + 15%)	226.3 KVA	294.3 KVA	KVA 520.6	KVA	488.0	KVA
TOTALS (CONN. AMPS)	236.7 AMPS	307.8 AMPS	AMPS 544.5	AMPS	510.4	AMPS
TOTALS (CONN. AMPS + 15%)	272.2 AMPS	354.0 AMPS	AMPS 626.2	AMPS	587.0	AMPS

NEW PANEL 1HA SCHEDULE

100 AMP MLO | 480Y/277 VOLTS | 3PH, 4W, 60 HZ | MIN. 10 KAIC | SURFACE MOUNTED | NEMA 1

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	LIGHTING: RM 112, 114, 116	12	20	2.5	0.7	A	0.7	2.6	20	12	LIGHTING: CORRIDOR 100	2
3	LIGHTING: RM 113, 115, 117	12	20	2.8	0.8	B	0.7	2.4	20	12	LIGHTING: RM 102, 104, 106	4
5	LIGHTING: RM 109, 111, 118, 119, 120, 121, 122	12	20	2.4	0.7	C	0.7	2.6	20	12	LIGHTING: RM 108, M100	6
7	LIGHTING: RM 101, 103, 105	12	20	2.7	0.8	A	0.3	1.0	20	12	LIGHTING: ELEVATOR PIT	8
9	LIGHTING: STAIR S1	12	20	1.0	0.3	B	0.3	1.0	20	12	LIGHTING: EXTERIOR	10
11	LIGHTING STAIR S2	12	20	1.0	0.3	C	0.3	1.0	20	12	LIGHTING CONTROLLER	12
13	LIGHTING: ELEVATOR	12	20	3.0	0.8	A	0.3	1.0	20	12	LIGHTING: STORAGE 110	14
15	SPARE		20			B	0.3	1.0	20	12	LIGHTING: ELEVATOR HOISTWAY	16
17	SPARE		20			C			20		SPARE	18
19	SPARE		20			A			20		SPARE	20
21	SPARE		20			B			20		SPARE	22
23	SPARE		20			C			20		SPARE	24
25	SPARE		20			A			20		SPARE	26
27	SPARE		20			B			20		SPARE	28
29	SPARE		20			C			20		SPARE	30
31	SPARE		20			A			20		SPARE	32
33	SPARE		20			B			20		SPARE	34
35	SPARE		20			C			20		SPARE	36
37	BUSSED SPACE					A					BUSSED SPACE	38
39	BUSSED SPACE					B					BUSSED SPACE	40
41	BUSSED SPACE					C					BUSSED SPACE	42

TOTAL AMPS (CONN. LOAD) A: 12.9 B: 8.2 C: 7.0
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 12.9 B: 8.2 C: 7.0

PANELBOARD OPTIONS:

PANELBOARD...
1. LOCATION: ELECTRICAL RM. 120

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	7.8 KVA	KVA	KVA 7.8	KVA 1.25	9.7	KVA
RECEPTACLES	KVA	KVA	KVA	KVA NEC		KVA
MECH EQUIP	KVA	KVA	KVA	KVA 1.00		KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA 1.25		KVA
MISCELLANEOUS	KVA	KVA	KVA	KVA 1.00		KVA
ELEVATOR	KVA	KVA	KVA	KVA 0.80		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	7.8 KVA	KVA	KVA 7.8	KVA	9.7	KVA
TOTALS (CONN. KVA + 15%)	8.9 KVA	KVA	KVA 8.9	KVA	11.2	KVA
TOTALS (CONN. AMPS)	9.4 AMPS	AMPS	AMPS 9.4	AMPS	11.7	AMPS
TOTALS (CONN. AMPS + 15%)	10.8 AMPS	AMPS	AMPS 10.8	AMPS	13.5	AMPS

NEW PANEL 2HA SCHEDULE

225 AMP MLO | 480Y/277 VOLTS | 3PH, 4W, 60 HZ | MIN. 10 KAIC | SURFACE MOUNTED | NEMA 1

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	LIGHTING: RM 212, 214, 216	12	20	2.5	0.7	A	0.7	2.6	20	12	LIGHTING: CORRIDOR 200	2
3	LIGHTING: RM 213, 215, 217	12	20	2.8	0.8	B	0.7	2.4	20	12	LIGHTING: RM 202, 204, 206	4
5	LIGHTING: RM 209, 211, 218, 219, 220, 221, 222	12	20	2.4	0.7	C	0.7	2.6	20	12	LIGHTING: RM 208, 210	6
7	LIGHTING: RM 201, 203, 205	12	20	2.7	0.8	A			20		SPARE	8
9	SPARE		20			B			20		SPARE	10
11	SPARE		20			C			20		SPARE	12
13	SPARE		20			A			20		SPARE	14
15	SPARE		20			B			20		SPARE	16
17	SPARE		20			C			20		SPARE	18
19	SPARE		20			A			20		SPARE	20
21	SPARE		20			B			20		SPARE	22
23	SPARE		20			C			20		SPARE	24
25	SPARE		20			A			20		SPARE	26
27	SPARE		20			B			20		SPARE	28
29	SPARE		20			C			20		SPARE	30
31	BUSSED SPACE					A					BUSSED SPACE	32
33	BUSSED SPACE					B					BUSSED SPACE	34
35	BUSSED SPACE					C					BUSSED SPACE	36
37	PANEL 2LA	*	225	151.3	41.9	A			**	**	SPD (NOTE 2)	38
	FED VIA XFMR 2TA (150 KVA)			167.6	46.4	B						40
				180.2	49.9	C						42

TOTAL AMPS (CONN. LOAD) A: 159.1 B: 172.8 C: 185.1
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 159.1 B: 172.8 C: 185.1

PANELBOARD OPTIONS:

PANELBOARD...
1. LOCATION: ELECTRICAL RM. 220
2. BREAKER RATING AND WIRE SIZE MAY VARY BY MANUFACTURER. PROVIDE BREAKER AND WIRE SIZE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	5.0 KVA	KVA	KVA 5.0	KVA 1.25	6.2	KVA
RECEPTACLES	KVA 24.5	KVA	KVA 24.5	KVA NEC	17.3	KVA
MECH EQUIP	KVA 102.1	KVA	KVA 102.1	KVA 1.00	102.1	KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA 1.25		KVA
MISCELLANEOUS	KVA 6.9	KVA	KVA 6.9	KVA 1.00	6.9	KVA
ELEVATOR	KVA	KVA	KVA	KVA 0.80		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	5.0 KVA	133.5 KVA	KVA 138.5	KVA	132.5	KVA
TOTALS (CONN. KVA + 15%)	5.7 KVA	153.6 KVA	KVA 159.3	KVA	152.4	KVA
TOTALS (CONN. AMPS)	6.0 AMPS	160.6 AMPS	AMPS 166.6	AMPS	159.4	AMPS
TOTALS (CONN. AMPS + 15%)	6.9 AMPS	184.7 AMPS	AMPS 191.6	AMPS	183.3	AMPS

EXISTING PANEL ELHP195 SCHEDULE

100 AMP MCB | 480Y/277 VOLTS | 3PH, 4W, 60 HZ | MIN. 35 KAIC | SURFACE MOUNTED

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	EMERG LTG: AREA A		20			A			15		MINI POWER ZONE	2
3	EMERG LTG: AREA A		20			B					EP2P195A	4
5	EMERG LTG: AREA A		20			C			20		LTG: GYM	6
7	EMERG LTG: AREA B		20			A	0.1	0.4	20	12	EMERG LTG: DINING EXPANSION - NOTE 1	8
9	EMERG LTG: AREA B		20			B			20		SPARE	10
11	EMERG LTG: AREA C		20			C			20		SPARE	12
13	EMERG LTG: AREA C		20			A			20		SPARE	14
15	EMERG LTG: AREA D		20			B			20		SPARE	16
17	EMERG LTG: AREA D		20			C			20		SPARE	18
19	EMERG LTG: BUS CANOPY		20			A			20		SPARE	20
21	SPARE		20			B			20		SPARE	22
23	SPARE		20			C			20		SPARE	24
25	SPARE		20			A			20		SPARE	26
27	SPARE		20			B			20		SPARE	28
29	SPACE		20			C					SPACE	30
31	SPACE		20			A					SPACE	32
33	SPACE		20			B					SPACE	34
35	SPACE		20			C					SPACE	36
37	SPACE		20			A					SPACE	38
39	SPACE		20			B					SPACE	40
41	SPACE		20			C					SPACE	42

TOTAL AMPS (CONN. LOAD) A: 0.4 B: C:
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 0.4 B: C:

PANELBOARD OPTIONS:

PANELBOARD NOTES:
1. UTILIZE EXISTING SPARE CIRCUIT BREAKER.

NEW PANEL 1LA SCHEDULE

400 AMP MCB | 208Y/120 VOLTS | 3PH, 4W, 60 HZ | MIN. 10 KAIC | SURFACE MOUNTED | NEMA 1

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	VAV-1-1	6	45	35.6	3.7	A			20		SPARE	2
3				35.6	3.7	B			20		SPARE	4
5	VAV-1-2	6	45	35.6	3.7	C	2.5	24.0	35	8	VAV-1-10	6
7				35.6	3.7	A	2.5	24.0				8
9	VAV-1-3	12	15	6.6	0.7	B	3.7	35.6	45	6	VAV-1-11	10
11				6.6	0.7	C	3.7	35.6				12
13	VAV-1-4	6	45	35.6	3.7	A	3.7	35.6	45	6	VAV-1-12	14
15				35.6	3.7	B	3.7	35.6				16
17	VAV-1-5	12	20	15.7	1.6	C	0.6	5.3	15	12	VAV-1-13	18
19				15.7	1.6	A	0.6	5.3				20
21	VAV-1-6	6	45	35.6	3.7	B	3.7	35.6	45	6	VAV-1-14	22
23				35.6	3.7	C	3.7	35.6				24
25	VAV-1-7	12	15	6.8	0.7	A					BUSSED SPACE	26
27				6.8	0.7	B					BUSSED SPACE	28
29	VAV-1-8	12	15	10.0	1.0	C	2.5	24.0	35	8	VAV-1-15	30
				10.0	1.0	A	2.5	24.0				32
33	EWH-1	12	20	14.0	1.5	B			35		SPARE	34
35				14.4	1.5	C						36
37	PANEL 1LA1	*	125	91.8	11.0	A			**	**	SPD (NOTE 2)	38
39	NOTE 3			90.8	10.9	B						40
41				89.0	10.7	C						42
43	SPARE		20			A			20		SPARE	44
45	SPARE		20			B			20		SPARE	46
47	SPARE		20			C	1.5	14.6	20	12	VAV-1-9	48
49	BUSSED SPACE					A	1.5	14.6				50
51	BUSSED SPACE					B					BUSSED SPACE	52
53	BUSSED SPACE					C					BUSSED SPACE	54

TOTAL AMPS (CONN. LOAD) A: 302.3 B: 299.7 C: 311.8
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 302.3 B: 299.7 C: 311.8

PANELBOARD OPTIONS:

PANELBOARD...
1. LOCATION: ELECTRICAL RM. 120
2. BREAKER RATING AND WIRE SIZE MAY VARY BY MANUFACTURER. PROVIDE BREAKER AND WIRE SIZE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
3. PROVIDE 100% RATED BREAKER

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA 1.25		KVA
RECEPTACLES	KVA 23.8	KVA	KVA 23.8	KVA NEC	16.9	KVA
MECH EQUIP	74.1 KVA	KVA	KVA 74.1	KVA 1.00	74.1	KVA
ELECTRIC HEAT	3.0 KVA	0.7 KVA	KVA 3.7	KVA 1.25	4.6	KVA
MISCELLANEOUS	KVA 8.1	KVA	KVA 8.1	KVA 1.00	8.1	KVA
ELEVATOR	KVA	KVA	KVA	KVA 0.80		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	77.0 KVA	32.6 KVA	KVA 109.6	KVA	103.7	KVA
TOTALS (CONN. KVA + 15%)	88.6 KVA	37.5 KVA	KVA 126.1	KVA	119.2	KVA
TOTALS (CONN. AMPS)	213.8 AMPS	90.5 AMPS	AMPS 304.3	AMPS	287.7	AMPS
TOTALS (CONN. AMPS + 15%)	245.9 AMPS	104.1 AMPS	AMPS 350.0	AMPS	330.9	AMPS

NEW PANEL 1LA1 SCHEDULE

125 AMP MLO | 208Y/120 VOLTS | 3PH, 4W, 60 HZ | MIN. 10 KAIC | SURFACE MOUNTED | NEMA 1

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	RECEPT: RM 101	12	20	6.0	0.7	A	0.4	3.0	20	12	GFI RECEPT: RM 118	2
3	RECEPT: RM 101	12	20	6.0	0.7	B	0.9	7.5	20	12	RECEPT: RM 121, 122	4
5	TV RECEPT: RM 101	12	20	4.7	0.6	C	0.7	6.0	20	12	RECEPT: RM 121	6
7	COUNTER RECEPT: RM 101, 105	12	20	6.0	0.7	A	0.7	6.0	20	12	RECEPT: RM 113	8
9	HAND DRYER - STUDENT RESTROOM109 -...	12	20	6.0	0.7	B	0.7	6.0	20	12	RECEPT: RM 113	10
11	RECEPT: RM 105	12	20	6.0	0.7	C	0.6	4.7	20	12	TV RECEPT: RM 113	12
13	RECEPT: RM 105	12	20	6.0	0.7	A	0.7	6.0	20	12	COUNTER RECEPT: RM 113, 117	14
15	TV RECEPT: RM 105	12	20	4.7	0.6	B	0.7	6.0	20	12	RECEPT: RM 117	16
17	RECEPT: RM 102	12	20	6.0	0.7	C	0.7	6.0	20	12	RECEPT: RM 118	18
19	COUNTER RECEPT: RM 102, 106	12	20	6.0	0.7	A	0.6	4.7	20	12	TV RECEPT: RM 117	20
21	RECEPT: RM 102	12	20	6.0	0.7	B	0.7	6.0	20	12	RECEPT: RM 100	22
23	TV RECEPT: RM 102	12	20	4.7	0.6	C	0.7	6.0	20	12	RECEPT: RM 116	24
25	RECEPT: RM 104	12	20	4.5	0.5	A	0.7	6.0	20	12	RECEPT: RM 116	26
27	RECEPT: RM 106	12	20	6.0	0.7	B	0.6	4.7	20	12	TV RECEPT: RM 116	28
29	TV RECEPT: RM 106	12	20	4.7	0.6	C	0.7	6.0	20	12	COUNTER RECEPT: RM 112, 116	30
31	RECEPT: RM 106, 108	12	20	9.0	1.1	A	0.5	4.5	20	12	RECEPT: RM 114	32
33	RECEPT: RM M100	12	20	4.5	0.5	B	0.7	6.0	20	12	RECEPT: RM 112	34
35	ELEV GFI RECEPT: RM E100	12	20	1.5	0.2	C	0.7	6.0	20	12	RECEPT: RM 112	36
37	HAND DRYER - STUDENT RESTRM 111 -...	12	20	6.0	0.7	A	0.6	4.7	20	12	TV RECEPT: RM 112	38
39	RECEPT: RM 100	12	20	6.0	0.7	B	0.5	4.5	20	12	WP GFI RECEPT: OUTDOORS	40
41	EWC: RECEPT: RM 100 - NOTE 3	12	20	8.0	1.0	C	0.5	4.5	20	12	RECEPT: RM 121	42
43	RECEPT: RM 115	12	20	3.0	0.3	A	0.7	6.0	20	12	RECEPT: RM 121	44
45	TV RECEPT: RM 115	12	20	3.0	0.3	B	0.7	6.0	20	12	HAND DRYER: RM 103 - NOTE2	46
47	RECEPT: RM 115	12	20	3.0	0.3	C	1.2	9.8	20	12	ELEVATOR SUMP PUMP	48
49	RECEPT: RM 115	12	20	3.0	0.4	A	0.7	5.8	20	12	ELEV GFI RECEPT: PIT E100	50
51	RECEPT: RM 115	12	20	3.0	0.4	B	0.7	5.8	20	12	ELEV GFI RECEPT: MR E100	52
53	RECEPT: STORAGE 110	12	20	1.5	0.2	C			20		SPARE	54

TOTAL AMPS (CONN. LOAD) A: 91.8 B: 91.8 C: 89.0
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 91.8 B: 91.8 C: 89.0

PANELBOARD OPTIONS:

PANELBOARD...
1. LOCATION: ELECTRICAL RM. 120
2. PROVIDE LOCKABLE BREAKER
3. PROVIDE GFCI BREAKER

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA 1.25		KVA
RECEPTACLES	23.8 KVA	KVA	KVA 23.8	KVA NEC	16.9	KVA
MECH EQUIP	KVA	KVA	KVA	KVA 1.00		KVA
ELECTRIC HEAT	0.7 KVA	KVA	KVA 0.7	KVA 1.25	0.9	KVA
MISCELLANEOUS	8.2 KVA	KVA	KVA 8.2	KVA 1.00	8.2	KVA
ELEVATOR	KVA	KVA	KVA	KVA 0.80		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	32.7 KVA	KVA	KVA 32.7	KVA	26.0	KVA
TOTALS (CONN. KVA + 15%)	37.6 KVA	KVA	KVA 37.6	KVA	29.9	KVA
TOTALS (CONN. AMPS)	90.8 AMPS	AMPS	AMPS 90.8	AMPS	72.1	AMPS
TOTALS (CONN. AMPS + 15%)	104.4 AMPS	AMPS	AMPS 104.4	AMPS	83.0	AMPS

NEW PANEL 2LA SCHEDULE

600 AMP MCB | 208Y/120 VOLTS | 3PH, 4W, 60 HZ | MIN. 10 KAIC | SURFACE MOUNTED | NEMA 3R

CKT. NO.	LOAD DESCRIPTION	WIRE SIZE	BKR TRIP	AMPS	KVA	PH	KVA	AMPS	BKR TRIP	WIRE SIZE	LOAD DESCRIPTION	CKT. NO.
1	VAV-2-1	6	50	40.0	4.2	A	1.6	15.0	20	12	VAV-2-9	2
3				40.0	4.2	B	1.6	15.0				4
5	VAV-2-2	6	45	35.6	3.7	C	3.7	35.6	45	6	VAV-2-10	6
7				35.6	3.7	A	3.7	35.6				8
9	VAV-2-3	6	45	35.6	3.7	B	3.7	35.6	45	6	VAV-2-11	10
11				35.6	3.7	C	3.7	35.6				12
13	VAV-2-4	6	45	35.6	3.7	A	0.7	6.8	15	12	VAV-2-12	14
15				35.6	3.7	B	0.7	6.8				16
17	VAV-2-5	12	15	10.0	1.0	C	3.7	35.6	45	6	VAV-2-13	18
19				10.0	1.0	A	3.7	35.6				20
21	VAV-2-6	6	45	35.6	3.7	B	3.7	35.6	45	6	VAV-2-14	22
23				35.6	3.7	C	3.7	35.6				24
25	VAV-2-7	12	15	6.8	0.7	A	1.0	9.2	15	12	VAV-2-15	26
27				6.8	0.7	B	1.0	9.2				28
29	VAV-2-8	12	15	10.0	1.0	C	1.4	13.0	15	12	AC-1	30
31				10.0	1.0	A	1.4	13.0			ON ROOF	32
33	BUSSED SPACE					B	1.4	13.0	15	12	AC-2	34
35	BUSSED SPACE					C	1.4	13.0			ON ROOF	36
37	PANEL 2LA1		125	89.7	10.8	A	1.6	13.0	**	**	SPD (NOTE 2)	38
39	NOTE 3			83.0	10.0	B	1.6	13.0				40
41				89.2	10.7	C	1.6	13.0				42
43	EF-1	12	15	4.6	0.6	A	1.4	13.0	15	12	AC-3	44
45				4.6	0.6	B	1.4	13.0			ON ROOF	46
47	ON ROOF			4.6	0.6	C	1.4	13.0	15	12	AC-4	48
49	VAV-1-15	6	45	35.6	3.7	A	1.4	13.0			ON ROOF	50
51				35.6	3.7	B	1.4	13.0	15	12	AC-5	52
53	BUSSED SPACE					C	1.4	13.0			ON ROOF	54

TOTAL AMPS (CONN. LOAD) A: 380.0 B: 386.8 C: 384.9
TOTAL AMPS (FEEDTHRU) A: B: C:
TOTAL AMPS (CONN. LOAD + FEED-THRU) A: 380.0 B: 386.8 C: 384.9

PANELBOARD OPTIONS:

PANELBOARD NOTES:
1. LOCATION: ELECTRICAL RM. 220
2. BREAKER RATING AND WIRE SIZE MAY VARY BY MANUFACTURER. PROVIDE BREAKER AND WIRE SIZE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION...
3. PROVIDE 100% RATED BREAKER

LOAD DESCRIPTION	PANEL CONN LOAD	SUBFEED CONN LOAD	FEEDTHRU CONN LOAD	TOTAL LOAD	D.F. MULT.	TOTAL KVA DEMAND
LIGHTING	KVA	KVA	KVA	KVA 1.25		KVA
RECEPTACLES	KVA 24.5	KVA	KVA 24.5	KVA NEC	17.3	KVA
MECH EQUIP	102.1 KVA	KVA	KVA 102.1	KVA 1.00	102.1	KVA
ELECTRIC HEAT	KVA	KVA	KVA	KVA 1.25		KVA
MISCELLANEOUS	KVA 6.9	KVA	KVA 6.9	KVA 1.00	6.9	KVA
ELEVATOR	KVA	KVA	KVA	KVA 0.80		KVA
	KVA	KVA	KVA	KVA		KVA
	KVA	KVA	KVA	KVA		KVA
TOTALS (CONN. KVA)	102.1 KVA	31.4 KVA	KVA 133.5	KVA	126.3	KVA
TOTALS (CONN. KVA + 15%)	117.4 KVA	36.1 KVA	KVA 153.6	KVA	145.2	KVA
TOTALS (CONN. AMPS)	283.4 AMPS	87.2 AMPS	AMPS 370.6	AMPS	350.5	AMPS
TOTALS (CONN. AMPS + 15%)	325.9 AMPS	100.3 AMPS	AMPS 426.2	AMPS	403.0	AMPS

EXISTING SWBD MDS193 SCHEDULE

1000 AMP MCB | 480Y/277 VOLTS |