

NOTIFICATION OF POTENTIAL HAZARD

ASBESTOS CONTAINING MATERIAL (ACM) IS PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. THE CONTRACTOR SHALL REQUIRE THEIR PERSONNEL AND ALL SUBCONTRACTOR PERSONNEL TO COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO DIVISION 01 AND 02 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS AND COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

PANEL SCHEDULE - 'MCCH' 480Y/277 VOLTS, 3-PH, 4-W 225 AMP LUG	NEMA 1 SURFACE MOUNTED TYPE 1 ENCLOSURE, SQUARE D NH1B PANELBOARD							EXISTING PANEL MECH RM 100U1
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
SPARE	----	100	3	1+--2	54.00	100	3	PERIMETER SUPPLY FAN*
----	----	--	--	3+--4	----	--	--	----
----	----	--	--	5+--6	----	--	--	----
SPARE	----	40	3	7+--8	----	20	2	SPARE
----	----	--	--	9+--10	----	--	--	----
----	----	--	--	11+--12	----	20	1	SPARE
SPARE	----	20	3	13+--14	----	20	3	SPARE
----	----	--	--	15+--16	----	--	--	----
----	----	--	--	17+--18	----	--	--	----
PMP-4A MECH RM 100U1	2.49	15	3	19+--20	22.45	60	3	WELL PUMP EXTERIOR SITE
----	----	---	---	21+--22	----	---	---	#2 AWG
----	----	---	---	23+--24	----	---	---	----
PMP-4B MECH RM 100U1	2.49	15	3	25+--26				
----	----	--	--	27+--28				
----	----	---	---	29+--30				
SPARE				31+--32				
SPARE				33+--34				
SPARE				35+--36				
SPARE				37+--38				
SPARE				39+--40				
SPARE				41+--42				
TOTAL CONNECTED LOADS - A 27.1 KVA 27 POLE SPACES USED								
"	- B	27.1	"					
"	- C	27.1	"					
"	- ALL	81.4	"	=	98	AMPS	@	480 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS 94.9 " = 114 AMPS								
* = ESTIMATED EXISTING LOAD								
REVISED ITEMS IN BOLD								

PANEL SCHEDULE - '1HA' 480Y/277 VOLTS, 3-PH, 4-W 400 AMP LUG	NEMA 1 SURFACE MOUNTED GENERAL ELECTRIC PANELBOARD							EXISTING PANEL ELEC 100U3
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
PANEL 2HA*	80.26	100	3	1+--2	----	150	3	SPARE
----	----	----	----	3+--4	----	----	----	----
----	----	----	----	5+--6	----	----	----	----
LTG: RM 102, 104*	2.09	20	1	7+--8	22.45	60	3	ELEVATOR HB WEST TOWER*
LTG: RM 106, 108*	1.54	20	1	9+--10	----	----	----	----
LTG: RM 112, 110*	1.04	20	1	11+--12	----	----	----	----
LTG: BOILER RM 100U1A, RM 107	0.79	20	1	13+--14	1.50	20	1	LTG: ELEVATOR MACHINE SPACE *
LTG: RM 103A, 103B, 105*	2.50	20	1	15+--16	3.00	20	1	LTG: SITE, WEST TOWER*
LTG: RM 103*	2.50	20	1	17+--18	3.33	20	1	LTG: SITE, SCIENCE BUILDING EXT*
LTG: MECH ROOM 100U1*	2.50	20	1	19+--20	----	20	1	SPARE
LTG: RM 109, 109A, 111*	1.39	20	1	21+--22	----	20	1	SPARE
UNKNOWN*		20	1	23+--24	1.00	20	1	LTG: LED SIGN 1*
LTG: CORR 100C4, VESTIBULE 100V3*	1.24	20	1	25+--26	2.29	20	1	LTG: CORRIDOR 100C2, 100U1*
LTG: 100V1,100V2, 100C1, 100U2, 100S2, 100S3*	2.24	20	1	27+--28	1.64	20	1	LTG -- LEVEL 1 RESTROOMS*
SPARE		20	1	29+--30	1.98	20	1	LTG -- NORTH ENTRY*
EXTERIOR BUILDING LIGHTS, INVERTER*	2.50	20	1	31+--32	----	20	3	SPARE ABOVE ROOM 110
SPARE	1.10	20	1	33+--34	----	----	----	----
SPARE	----	20	1	35+--36	----	----	----	----
SPACE				37+--38	----	30	3	SPARE ABOVE ROOM 110*
SPACE				39+--40	----	----	----	----
SPACE				41+--42	----	----	----	----
TOTAL CONNECTED LOADS - A 47.1 KVA 39 POLE SPACES USED								
"	- B	47.6	"					
"	- C	44.1	"					
"	- ALL	138.9	"	=	167	AMPS	@	480 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS 153.5 " = 185 AMPS								
* = ESTIMATED EXISTING LOAD								
REVISED ITEMS IN BOLD								

PANEL SCHEDULE - '1HB' 480Y/277 VOLTS, 3-PH, 4-W 225 AMP LUG	NEMA 1 SURFACE MOUNTED TYPE 1 ENCLOSURE, SQUARE D NF PANELBOARD							EXISTING PANEL MECH RM 100U1
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
RLF-1A*	1.33	15	3	1+--2	1.33	15	3	RF-1A*
----	----	--	--	3+--4	----	--	--	----
----	----	--	--	5+--6	----	--	--	----
RLF-2A*	1.33	15	3	7+--8	1.33	15	3	RF-1B*
----	----	--	--	9+--10	----	--	--	----
----	----	--	--	11+--12	----	--	--	----
PMP-1A*	6.32	15	3	13+--14				SPACE
----	----	--	--	15+--16				SPACE
----	----	--	--	17+--18				SPACE
PMP-1B*	6.32	15	3	19+--20	----	70	3	SPARE
----	----	--	--	21+--22	----	--	--	----
----	----	--	--	23+--24	----	--	--	----
RLF-2B*	6.32	15	3	25+--26	1.20	15	3	AC-1*
----	----	--	--	27+--28	----	--	--	----
----	----	--	--	29+--30	----	--	--	----
RLF-1B*	6.32	15	3	31+--32	25.00	50	3	XFMR TO MCCL-1*
----	----	--	--	33+--34	----	--	--	----
----	----	--	--	35+--36	----	--	--	----
AHU-1 VFD*	36.66	110	3	37+--38				SPACE
----	----	--	--	39+--40				SPACE
----	----	--	--	41+--42				SPACE
SPACE				43+--44				SPACE
SPACE				45+--46				SPACE
SPACE				47+--48				SPACE
SPACE				49+--50				SPACE
SPACE				51+--52				SPACE
SPACE				53+--54				SPACE
TOTAL CONNECTED LOADS - A 31.2 KVA 36 POLE SPACES USED								
"	- B	31.2	"					
"	- C	31.2	"					
"	- ALL	93.5	"	=	112	AMPS	@	480 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS 93.5 " = 112 AMPS								
* = ESTIMATED EXISTING LOAD								

PANEL SCHEDULE - 'MCCL-1' 208Y/120 VOLTS, 3-PH, 4-W 100 AMP MAIN BREAKER	NEMA 1 SURFACE MOUNTED TYPE 1 ENCLOSURE, SQUARE D NQ NC44S PANELBOARD							EXISTING PANEL MECH RM 100U1
CIRCUIT DESCRIPTION	KVA	AMP	POLE	ABC	KVA	AMP	POLE	CIRCUIT DESCRIPTION
UNIT HEATER-1*	0.54	20	1	1+--2	----	20	1	SPARE
WATER HEATER CIRC PUMP*	1.50	20	1	3+--4	0.72	20	1	REC -- CAD-1*
REC -- NORTHWEST WALL*	1.50	20	1	5+--6	1.00	20	1	FIRE ALARM BELL*
REC -- NEXT TO BLDG CONTROLS*	4.16	20	1	7+--8	0.72	20	1	REC -- MECH 100U1 WEST WALL*
SPARE	----	20	1	9+--10	----	20	1	SPARE
REC -- AHU-1*	12.61	20	1	11+--12	0.50	20	1	UNKNOWN*
BLR-1 BOILER RM 100U1A	1.92	20	1	13+--14	0.50	20	1	SMOKE DAMPERS BOILER RM 100U1A
BLR-2 BOILER RM 100U1A	1.92	20	1	15+--16	0.60	15	1	PH MEASURE EQUIP (FUTURE) AND TRAP PRIMER
REC: E. AND W. WALL BOILER RM 100U1A	0.54	20	1	17+--18	----	15	1	SPARE
REC: BAS WORKSTATION BOILER RM 100U1A	0.18	20	1	19+--20	----	15	1	SPARE
SPACE				21+--22				SPACE
SPACE				23+--24				SPACE
SPACE				25+--26				SPACE
SPACE				27+--28				SPACE
SPACE				29+--30				SPACE
TOTAL CONNECTED LOADS - A 8.0 KVA 20 POLE SPACES USED								
"	- B	4.7	"					
"	- C	16.1	"					
"	- ALL	28.9	"	=	80	AMPS	@	208 VOLTS, 3-PHASE
TOTAL LOAD WITH NEC FACTORS 23.4 " = 65 AMPS								
* = ESTIMATED EXISTING LOAD								
REVISED ITEMS IN BOLD								



www.amc-engineers.com
Adams, Morgenthau & Co., Inc.
CQA No. C0342 - 907.267.9100
701 E. Tudor Rd. Suite 250
Anchorage, AK 99503

NSB EM-2 MECHANICAL SYSTEMS
CONVERSION/UPGRADE

Revisions

No.	Date	Description

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Sheet Title

PANEL SCHEDULES

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E0.3