MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT TAG	EQUIPMENT NAME	VOLT/ PHASE	MCA	MOCP	HP	KW	CONDUIT – WIRE	STARTER	DISCONNECT	PANEL	CIRCUIT NUMBER	DISC. SWITCH	FUSE SIZE	NOTE
ACCU–1	CONDENSING UNIT	208/3	14.0	20			3/4"C–3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	1,3,5	30A/3P	NA	1
ACCU–2	CONDENSING UNIT	208/3	18.0	30			3/4"C–3#10, 1#10 GND.	DIVISION 15	DIVISION 16	MDP	7,9,11	30A/3P	NA	1
ACCU–3	CONDENSING UNIT	208/3	44.6	50			3/4"C–3#8, 1#10 GND.	DIVISION 15	DIVISION 16	MDP	13,15,17	60A/3P	NA	1
ACCU–4	CONDENSING UNIT	208/3	44.6	50			3/4"C–3#8, 1#10 GND.	DIVISION 15	DIVISION 16	MDP	19,21,23	60A/3P	NA	1
FCU–1	FAN COIL UNIT	208/1			1/2		3/4"C–2#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	8,10	30A/2P	NA	2
FCU–2	FAN COIL UNIT	208/1			1		3/4"C–2#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	12,14	30A/2P	NA	2
FCU–3	FAN COIL UNIT	208/3			3		3/4"C–3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	16,18,20	30A/3P	NA	2
FCU–4	FAN COIL UNIT	208/3			3		3/4"C–3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	22,24,26	30A/3P	NA	2
HRU–1	HEAT RECOVERY UNIT	208/3	11.9	15			3/4"C–3#12, 1#12 GND.	DIVISION 15	DIVISION 16	MDP	28,30,32	30A/3P	NA	2
EF–1	RESTROOM EXHAUST FAN	120/1				79W	3/4"C–2#12, 1#12 GND.	–	–	LA	3	–	NA	3
EF–2	RESTROOM EXHAUST FAN	120/1				79W	3/4"C–2#12, 1#12 GND.	–	–	LA	3	–	NA	3
EF–3	V.M. ROOM EXHAUST FAN	120/1				370W	3/4"C–2#12, 1#12 GND.	–	–	MDP	34	–	NA	4
EF–4	OFFICE EXHAUST FAN	120/1				130W	3/4"C–2#12, 1#12 GND.	–	–	MDP	34	–	NA	5
EWH–1	WATER HEATER	208/3				3.0	3/4"C–3#12, 1#12 GND.	–	DIVISION 16	MDP	25,27,29	30A/3P	NA	

NOTES:
1. PROVIDE WEATHER PROOF, GFI RECEPTACLE ADJACENT TO ROOF MOUNTED HVAC EQUIPMENT.
2. PROVIDE PORCELAIN SOCKET WITH 60W/A19 LAMP, SWITCH AND GFI DUPLEX RECEPTACLE ADJACENT TO HVAC UNIT.
3. INTERLOCK EXHAUST FAN WITH LOCAL LIGHTING CONTROL.
4. FAN SHALL BE CONTROLLED BY A WALL MOUNTED SOLID STATE SPEED CONTROL SWITCH FURNISHED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
5. FAN SHALL BE CONTROLLED BY A PERMANENTLY ENGRAVED WALL SWITCH. SWITCH PROVIDED BY ELECTRICAL CONTRACTOR, ENGRAVED PLATE BY MECHANICAL CONTRACTOR. INSTALL HIGH OR ON FAN OUT OF EMPLOYEE REACH.

RISER DIAGRAM NOTES

1. EXISTING 120/208V, 3Ø, 4W ELECTRICAL DISTRIBUTION.
2. LANDLORD TO PROVIDE METERING EQUIPMENT. COORDINATE EXACT REQUIREMENTS PRIOR TO BID.
3. LANDLORD TO PROVIDE A 600A, 3P, 4W, DISCONNECT SWITCH WITH (3)600A FUSES.
4. LANDLORD TO PROVIDE (2)3" CONDUITS EACH WITH #4/350 KCMIL AND 1#1/0 GROUND FROM ELECTRICAL ROOM SWITCHBOARD TO PANEL HA.
5. TENANT'S E.C. TO PROVIDE NEW ELECTRICAL PANELS 'MDP', 'LA', AND 'LB'. REFER TO PANEL SCHEDULES THIS SHEET.
6. TENANT'S E.C. TO PROVIDE 2"C.-4#3/0 AND 1#6 GROUND.
7. TENANT'S E.C. TO PROVIDE 1-1/4"C.-4#3 AND 1#8 GROUND.

1 POWER RISER DIAGRAM
NONE

TENANT TOTAL LOAD SUMMARY

	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	18.9	1.25	23.6
RECEPTACLES	18.2	1.0	14.1
SIGN	0.0	1.25	0
WATER HEATER	3.0	1.0	3.0
HVAC (LARGEST)	12.9	1.25	16.1
HVAC (REMAINING)	36.5	1.0	36.5
HVAC (NON-COINCIDENTAL)	0.0	1.0	0.0
MISCELLANEOUS	11.3	1.0	11.3
TOTAL KVA:	100.8		104.7
TOTAL AMPS:	280.0		290.7

MDP

Location: Stockroom — A.I.C. RATING: 22,000A — 120/208 Volt, 3ø, 4w
Mounting: Surface — Main: MCB 600A

Circuit Description	KVA	CB	NO.	NOTE	A	B	C	NOTE	NO.	CB	KVA	Circuit Description
ACCU-1	1.3	20/3	1	B	X				2	200/3	19.4	PANEL LA
	1.3		3			X			4		12.2	
	1.3		5				X		6		16.8	
ACCU-2	1.7	30/3	7	B	X				8	20/2	0.6	FCU-1
	1.7		9			X			10		0.6	
	1.7		11				X		12	20/2	0.9	FCU-2
ACCU-3	4.3	50/3	13	B	X				14		0.9	
	4.3		15			X			16	20/3	1.3	FCU-3
	4.3		17				X		18		1.3	
ACCU-4	4.3	50/3	19	B	X				20	20/3	1.3	FCU-4
	4.3		21			X			22		1.3	
	4.3		23				X		24		1.3	
EWH-1	1.0	20/3	25		X				26	15/3	1.1	HRU-1
	1.0		27			X			28		1.1	
	1.0		29				X		30		1.1	
SPACE			31		X				32		1.1	
SPACE			33			X			34	20/1	0.5	EF-3 AND EF-4
SPACE			35				X		36			SPACE
SPACE			37		X				38			SPACE
SPACE			39			X			40			SPACE
SPACE			41				X		42			SPACE
					A	B	C					
CONNECTED KVA:	100.8				37.2	29.6	34.0					DESIGN DEMAND KVA: 104.7
CONNECTED HIGH PHASE AMPS:	310.0											DESIGN DEMAND AMPS: 290.7

PANEL NOTES:
A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.
B - PROVIDE HACR CIRCUIT BREAKER
BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

PANEL LA - LOAD SUMMARY

	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	18.9	1.25	23.6
RECEPTACLES	18.2	1.0	14.2
SIGN	0.0	1.25	0.0
WATER HEATER	0.0	1.0	0.0
HVAC (LARGEST)	0.0	1.25	0.0
HVAC (REMAINING)	0.0	1.0	0.0
HVAC (NON-COINCIDENTAL)	0.0	1.0	0.0
MISCELLANEOUS	11.3	1.0	11.3
TOTAL KVA:	48.4		49.1
TOTAL AMPS:	134.4		136.5

PANEL LA

Location: Stockroom — A.I.C. RATING: 10,000A — 208/120 Volt, 3ø, 4w
Mounting: Surface — Main: LUGS 225A

Circuit Description	KVA	CB	NO.	NOTE	A	B	C	NOTE	NO.	CB	KVA	Circuit Description
STOCK / VISUAL ROOM LIGHTING	1.4	20/1	1		X				2	20/1	1.6	SHOW WINDOW TRACK LIGHTING
TOILET LTG. & FANS	0.4	20/1	3			X			4	20/1	0.8	SHOW WINDOW RECEPTACLES
CORRIDOR/LOUNGE/OFFICE LIGHTING	0.8	20/1	5				X		6	20/1	0.8	SHOW WINDOW RECEPTACLES
SALES PENDANT LIGHTING	1.4	20/1	7		X				8	20/1	0.4	SHOW WINDOW RECEPTACLES
SALES CHANDELIERS	0.3	20/1	9			X			10	20/1		SPARE
FITTING AREA GENERAL & COVE LTG.	1.4	20/1	11				X		12	20/1	0.8	SALES AREA CEILING RECEPTACLES
FITTING ROOM DOWN LIGHTING	0.8	20/1	13		X				14	20/1	0.6	CASH WRAP CEILING RECEPTACLES
FITTING ROOM MIRROR LIGHTING	0.4	20/1	15			X			16	20/1	0.8	SALES AREA CEILING RECEPTACLES
TRACK LIGHTING	1.2	20/1	17				X		18	20/1		SPARE
TRACK LIGHTING	1.8	20/1	19		X				20	20/1		SPARE
TRACK LIGHTING	1.2	20/1	21			X			22	20/1		SPARE
TRACK LIGHTING	1.6	20/1	23				X		24	30/1		SPARE
TRACK LIGHTING	1.8	20/1	25		X				26	20/1		SPARE
TRACK LIGHTING	1.2	20/1	27			X			28	20/1		SPARE
TRACK LIGHTING	1.2	20/1	29				X		30	20/1		SPARE
SPARE		20/1	31		X				32	20/1		SPARE
SPARE		20/1	33			X			34	20/1		SPARE
SPARE		20/1	35				X		36	20/1		SPARE
SPARE		20/1	37		X				38		9.6	
LIGHTING CONTROL PANEL	0.2	20/1	39			X			40	100/3	6.9	PANEL LB
EMERGENCY / EXIT LIGHTING	0.2	20/1	41	A			X		42		8.8	
					A	B	C					
CONNECTED KVA:	48.4				19.4	12.2	16.8					DESIGN DEMAND KVA: 49.1
CONNECTED HIGH PHASE AMPS:	161.7											DESIGN DEMAND AMPS: 136.5

PANEL NOTES:
A - PROVIDE CIRCUIT BREAKER WITH LOCK-ON DEVICE.
BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

PANEL LB - LOAD SUMMARY

	CONNECTED KVA	DESIGN FACTOR	DESIGN DEMAND KVA
LIGHTING	0.0	1.25	0.0
RECEPTACLES	14.0	1.0	12.6
SIGN	0.0	1.25	0
WATER HEATER	0.0	1.0	0.0
HVAC (LARGEST)	0.0	1.25	0.0
HVAC (REMAINING)	0.0	1.0	0.0
HVAC (NON-COINCIDENTAL)	0.0	1.0	0.0
MISCELLANEOUS	11.3	1.0	11.3
TOTAL KVA:	25.3		23.9
TOTAL AMPS:	70.3		66.4

PANEL LB

Location: Stockroom — A.I.C. RATING: 10,000A — 208/120 Volt, 3ø, 4w
Mounting: Surface — Main: LUGS 125A

Circuit Description	KVA	CB	NO.	NOTE	A	B	C	NOTE	NO.	CB	KVA	Circuit Description
CASH WRAP DEDICATED RECEPTACLE	0.4	20/1	1	A	X				2	20/1	0.2	FITTING RM. WORK STATION
CASH WRAP DEDICATED RECEPTACLE	0.4	20/1	3	A		X			4	20/1		SPARE
CASH WRAP DEDICATED RECEPTACLE	0.4	20/1	5	A			X		6	20/1	0.8	BELL/CORRIDOR/BOH CONV. RECEPTS.
CASH WRAP CONVENIENCE RECEPTS.	1.2	20/1	7		X				8	20/1	1.0	STOCKROOM PLUGMOLD
BACK WRAP RECEPTACLES	0.6	20/1	9			X		A	10	20/1	1.0	SECURITY SYSTEM ON TTB
CONVENIENCE RECEPTACLES	1.3	20/1	11				X	A	12	20/1	1.0	PHONE SYSTEM ON TTB
CONVENIENCE RECEPTACLES	1.1	20/1	13		X			A	14	20/1	0.1	DETEX ALARM
CONVENIENCE RECEPTACLES	0.6	20/1	15			X		A	16	20/1	1.0	CHECKPOINT SYSTEM
SPARE		20/1	17				X		18	20/1	1.0	V.M. ROOM - PLUGMOLD
SPARE		20/1	19		X				20	20/1	1.0	V.M. ROOM - DUST DEPUTY
SPARE		20/1	21			X			22	20/1	0.4	TOILET GFI RECEPTACLES
OFFICE RECEPTACLES	0.9	20/1	23				X		24	20/1	1.0	DRINKING FOUNTAIN / WATER COOLER
OFFICE PLUGMOLD	1.0	20/1	25		X				26	20/1	0.6	EMPLOYEE LOUNGE CONV. RECEPTS.
MUSIC SERVER	0.6	20/1	27			X		A	28	20/1	0.6	REFRIGERATOR
SPARE		20/1	29				X		30	20/1	1.8	COFFEE MAKER
SPARE		20/1	31		X				32	20/1	1.5	MICROWAVE
SPARE		20/1	33			X			34	20/1	0.8	V.M. ROOM CEILING RECEPTACLE
SPARE		20/1	35				X		36	20/1		SPARE
HVAC CONV. RECEPTACLES	1.5	20/1	37	A	X				38	20/1		SPARE
DUCT SMOKE DETECTORS	0.2	20/1	39	A		X			40	20/1	0.7	V.M. ROOM AIR FILTRATION UNIT
FIRE ALARM CONTROL PANEL	0.6	20/1	41	A			X		42	20/1		SPARE
					A	B	C					
CONNECTED KVA:	25.3				9.6	6.9	8.8					DESIGN DEMAND KVA: 23.9
CONNECTED HIGH PHASE AMPS:	80.0											DESIGN DEMAND AMPS: 66.4

PANEL NOTES:
A - PROVIDE CIRCUIT BREAKER LOCK-ON DEVICE.
BALANCE PHASE LOADS TO WITHIN 10% OF EACH OTHER.

Date: 09/22/14

NewStudio Architecture
4431 Lake Avenue South
White Bear Lake, MN 55110
p: 651.207.5527 f : 651.207.8247

ANTHROPOLOGIE
60 Pearl Street
Portland, ME 04101

HALLBERG ENGINEERING
Mechanical/Electrical Consulting Engineers
1750 Commerce Court, White Bear Lake, MN 55110
(651) 748-1100 - Fax (651) 748-9370

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POWER RISER DIAGRAM AND PANEL SCHEDULES

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