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23 7313: EXISTING AIR HANDLING UNIT SCHEDULE

MARK		SUPPLY FAN			RETURN FAN			MAX AIRFLOW CONDITION			MAX ECON AIRFLOW		MIN AIRFLOW	HEATING WATER COIL				COOLING COIL								FILTERS	WEIGHT
		MAX FAN CFM	SA ESP, IN WC	FANS HP	MAX FAN CFM	EA ESP, IN WC	FANS HP	SA CFM	OA CFM	EA CFM	OA CFM	EA CFM		SA CFM	MBH	GPM	DB, °F	LAT DB, °F	WPD, FT	TTL MBH	SENS MBH	EAT DB/WB, °F	LVG COIL DB/WB °F	LVG UNIT DB/WB °F	GPM	FT	MA, IN (MERV-8)
AHU-2E	EXISTING CONDITIONS	10600	1.90	10	9300	0.50	2	10600	1300	9300	10600	9300	8200	156	6.0	56	73	0.1	408	314	80/66	53/53	53/53	58.0	4	2	3710
AHU-2E	NEW CONDITIONS	9355	1.90	10	8055	0.50	2	8120	1945	8055	9355	8055	2710	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AHU-2W	EXISTING CONDITIONS	10400	2.00	10	9900	0.50	2	10400	1850	9900	10400	9900	8170	178	7.5	52	72	0.2	447	330	82/67	51/51	53/52	63.6	12	2	3670
AHU-2W	NEW CONDITIONS	9655	2.00	10	9155	0.50	2	8350	2430	9155	9655	9155	3040	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES: APPLY TO ALL MARKS, UNO.

- EXISTING PERFORMANCE BASED ON RECORD DRAWINGS.
- VERIFY EXISTING AHU PERFORMANCE PRIOR TO DEMOLITION OF SECOND FLOOR.

AHU-2E

ROOM		SQFT	OCC	VUSBC 2012 CFM		DESIGN CFM		HVAC ZONE	ZONE CFM	
				OA	EA	EA	MAX SA		MIN	MAX
241	OFFICE	115	2	25	-		280	TU-M203	180	840
243	OFFICE	115	2	25	-		280			
245	OFFICE	115	2	25	-		280			
247	OFFICE	170	2	30	-		405	ATU-OD-247	120	405
249	OFFICE	115	2	25	-		275	ATU-OC-249	70	275
251	TEAM ROOM	125	6	50	-		270	ATU-OC-251	70	270
253	OFFICE	105	2	25	-		285	ATU-OE-255	180	855
257	OFFICE	105	2	25	-		285			
255	OFFICE	105	2	25	-		285			
259	OFFICE	105	2	25	-		285	TU-M218	180	855
263	OFFICE	105	2	25	-		285			
261	OFFICE	105	2	25	-		285			
240, C244, 244	OPEN OFFICE	955	15	170	-		450	ATU-OD-240	210	450
260	LIBRARY	105	2	30	-		100	ATU-OA-260	60	100
213	OPEN OFFICE	470	20	165	-		780	ATU-OF-213	210	780
217	MEETING ROOM	210	10	80	-		250	ATU-OC-217	100	250
225	MEETING ROOM	200	10	80	-		250	ATU-OC-225	100	250
218	WORK/COPY	180	2	30	-		75	ATU-OB-218	70	185
218	CORRIDORS	175	-	15	-		60			
C230	STAIR	95	-	10	-		35			
220	JANITOR CLOSET	70	-	-	70		15			
C210	LOBBY	295	-	25	-		110	ATU-OC-C210	70	255
T212	MEN	230	-	-	420		45			
T218	WOMEN	170	-	-	140		30			
C216	STAIRS	160	-	15	-		30			
C214	ELEV	70	-	-	-		25			
T210	RESTROOM	60	-	-	70		15			
256	ROBOT	105	2	45	-		225	ATU-OB-256	60	225
229	OPEN OFFICE	520	17	150	-		760	TU-M206	190	760
231	OPEN OFFICE	630	13	130	-		1,010	ATU-OF-231	250	1,270
231	PB	86	-	15	-		230			
231	STORAGE	85	-	15	-		30			
223, 225, c227	OPEN OFFICE/CORRIDOR	1,285	28	275	-		740	TU-M208	340	810
C211	CORRIDOR	135	-	15	-		70			
254, C250, 258	OPEN OFFICE	1,140	18	200	-		520	TU-M216	250	520
ROOMS: 35		8,816	165	1,795	700	700	9,355	ZONES: 18	2,710	9,355

NOTES:

- OUTSIDE AIR VALUES LISTED ARE UNCORRECTED FOR ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez). APPLY EFFECTIVENESS VALUE OF 0.8 (CEILING SUPPLY OF WARM AIR WITH CEILING RETURN, PER ASHRAE 62.1-2007 TABLE 6-2) WHEN ZONE IS IN HEATING MODE.
- ALL ROOMS WITH EXHAUST AIR SERVED VIA EXHAUST FANS, UNO.
- EXISTING TU MINIMUM AIRFLOWS LISTED ARE BASED ON DESIGN HEATING/VENTILATION REQUIREMENTS. BAS AND TAB CONTRACTOR TO VERIFY EXISTING/REPLACED TU AIRFLOW MONITORING RING IS CAPABLE OF PROVIDING ACCURATE AIRFLOW AT SCHEDULED MINIMUM SUBMIT TAB DATA FOR ALL ATU AND TU AT MINIMM AND MAXIMUM AIRFLOWS.

AHU-2W

ROOM		SQFT	OCC	VUSBC 2012 CFM		DESIGN CFM		HVAC ZONE	ZONE CFM	
				OA	EA	EA	MAX SA		MIN	MAX
269	OFFICE	105	2	25	-		285	TU-M229	180	855
267	OFFICE	105	2	25	-		285			
265	OFFICE	105	2	25	-		285			
273	OFFICE	105	2	25	-		285	TU-M232	120	570
271	OFFICE	105	2	25	-		285			
275	OFFICE	120	2	25	-		285	ATU-OD-275	120	570
277	OFFICE	105	2	25	-		285			
279	OFFICE	165	2	25	-		430	ATU-OD-279	120	430
281	OFFICE	155	2	25	-		330	ATU-OD-281	120	660
283	OFFICE	155	2	25	-		330			
285	OPEN OFFICE	265	2	35	-		365	ATU-OD-285	70	365
274	OFFICE	95	2	20	-		55	ATU-OA-274	50	110
286	OFFICE	95	2	20	-		55			
204	TEAM ROOM	160	6	50	-		125	ATU-OA-204	60	125
208	KITCHENETTE	175	5	90	-		250	TU-M230	120	260
206	CLOSET	30	-	5	-		10			
203	PERIMETER	525	10	105	-		755	ATU-OF-203	180	755
272, 270, C260	OPEN OFFICE	960	13	155	-		465	TU-M231	190	465
C200	CORRIDOR	85	-	10	-		155	ATU-OC-C200	120	240
C201	LOBBY	245	-	20	-		85			
203	ARENA	1,310	12	175	-		570	TU-M223	220	570
203	GATHERING	740	18	170	-		475	TU-M220	220	475
276, C280, C270	OPEN OFFICE	665	11	120	-		345	ATU-OC-276	150	345
211	CONFERENCE	425	20	160	-		430	TU-M219	200	430
201	MAKER	1,645	31	635	-	2,430	2,430	ATU-OF-201	500	1,500
								TU-M225	300	930
ROOMS: 25		8,645	152	2,020	-	2,430	9,655	ZONES: 17	3,040	9,655

NOTES:

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OLSSON HALL; BUILDING NO. 0202

RECORD  
DRAWINGS

VENTILATION  
TABLES

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SHEET