DETAILED UNIT INFORMATION

Sield	# 11114	MOLENDO	CVCTERA TVDE	EXISTING	DIMENSIONS	DNC	DUCT CONNECTIONS	SNC	CERA	0.0	9	FILTER	MOTES
BOILDING	AHO#	LOCATION	STSTEIN TIPE	CONTROLS	(LxWxH)	SUPPLY	RETURN	O.A.	N.	3.F.	È	RACK	NOIES
POTTER	AHU-B	ROOM 115	XQ	PNEUMATIC	57x121x70	47x43 (END)	117x60 (END)	NA	23,680	5.5	30		1,2
POTTER	NEW ADDITION AHU	ROOM 208	XQ	PNEUMATIC	141x115x85	111x38 (END)	115x32 (END)	108x31 (TOP)	19,565	3.75	30		1,2
POPPLEWELL	3RD FLOOR (AHU-C)	ROOM 310	XQ	PNEUMATIC	57x123x60	114x54 (END)	114x52 (END)	NA	18,950	6.5	30		1,2
BLUM S.U.	A-HU-A	ROOM 232	CHILLED WATER	AUTOMATED LOGIC	100x93x78	91x25 (TOP)	93x42 (END)	NA	13,170	2.25	7.5	108x46	1,3
BLUM S.U.	AHU-C	ROOM 232	CHILLED WATER	AUTOMATED LOGIC	100x93x78	86x24 (TOP)	92x42 (END)	NA	13,170	2.25	7.5	108×48	1,3
BLUM S.U.	SOUTH DINING (AHU-E)	ROOF PENTHOUSE	CHILLED WATER	AUTOMATED LOGIC	41x88x80	64x20 (TOP)	85x45 (END)	NA	9,550	2.25	7.5		1,3
BLUM S.U.	NORTH DINING (AHU-F)	ROOF PENTHOUSE	CHILLED WATER	AUTOMATED LOGIC	41x88x80	60x20 (TOP)	85×45 (END)	NA	8,650	2.25	7.5		1,3
BLUM S.U.	KITCHEN (AHU-G)	ROOF PENTHOUSE	CHILLED WATER	AUTOMATED LOGIC	41x70x80	43x19 (TOP)	66x44 (END)	NA	000'9	2.25	5		1,3
LOONEY	ATHLETICS AHU	ATHLETICS OFFICE	DX	PNEUMATIC	82x78x38	72x30 (TOP)	75x33 (END)	NA	6,740	5.0	5		1,2
LOONEY	HYPER OFFICE (AHU-E)	ROOM 213	DX	PNEUMATIC	37x64x49	58x23 (TOP)	61x26 (END)	NA	4,170	5.0	3		1,2

Notes:

Installation, check, test, and factory sta
 Install new accordance condension unit

Install new associated condensing Install new owner furnished contra

1.0 General

A. Existing as-built drawings and schedules provided for reference only.

1.1 Potter Hall

A. Existing unit schedules.

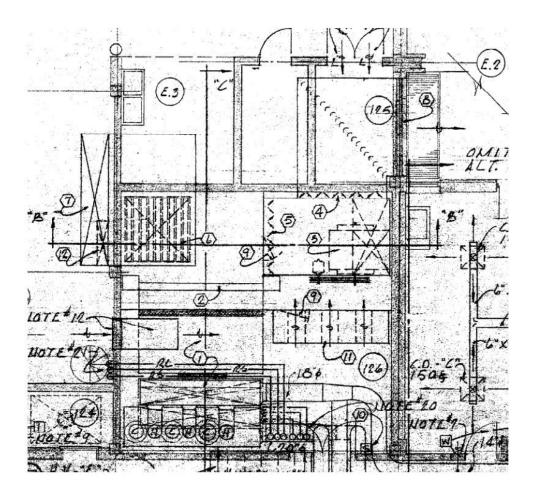
Jane	TOUNS	4 412	520H2	SUPPLY AIR BLOWER	AIR FILTERS	-		7	200.14	כססדותל כסור	J				RETURN	-EXHA	RETURN-EXHAUST BLOWER	1.12	
700	1000	TOTAL	MTE	BLOKER	DEFERE	TO # 7.11.	4. CAP	42174	ENTER	7116 416	LEAVELL	G. 11R	54. FT	MILL			UTE BLOW	24	REMARKS
	5.R	5.8	F	DIL	NATEL WIOTU & MAIL HE SELLSIBLE TOTAL 0.8. N.B. 0.8. N.B. 2012 ROWS WITH DAY	SEUSI.	376	70742	0.6.	K.S.	0.6	W. 5.	FACE	ROWS	C.F.M.	2.5	1000		
.4.	14,125	. 3/E	0.2	20-	20" 6:0" 2.0" 16 513,000 459,900 75.0 60.8 50.0 425, 25.5 6 16,125 14" 3	56.3.0	00 4.	59,900	75.0	60.6	50.0	49.5	25.5	9	14,125	.7%	5 34"		
8.	25,680	-2/5	80	50"	11/31/2 x 7:41/2 16 604, ado 759, ada 75.0 60.8 50.0 49.6 41.6	604.0	40 2	59,000	75.0	60.09	50.0	49.6	41.6		6 21,740 34" 5	3/4"	5 5612"		
. 2.	3,050	21/2	80	1212-	12% 4.16. x25. x2" - 99,500 161,500 79.6 65.6 50.0 48.4 6.5	99,20	/ 01	61,500	76.6	7.59	50.0	48.4	5.5	9	1	1			×
.0.	11,530	242	01	2-18"	9-18" 8:316"x 5:116" 12 381,000 590,000 80.4 64.4 50.0 49.5 19.4	881,0	9 00	290,000	80.4	7.79	50.0	5.60	19.4	82	10,550 %. 2	3/4.	2 80		
.7.	6,000	242	Ģ	.9/	5:3% x L:9% 1/2,000 209,700 75.0 608 50.0 697 9.3	172,0	2 00	09,700	75.0	507	20.0	46.7	8.0	7	1 3/4" 1	3/4.	1 27"		,
		- V																	

CONDITIONER - 19,565 \$ - 3.75" E.S.P. - 5.25" T.S.P. - 24.5" AF FAN - 30 HP - 460V - 34 - 590 MBH SENSIBLE \$ 780 MBH TOTAL COOLING - 83° ECE-67° EWB - 55° LDB - 54° LWB - MAX. 45° SST - 35 \$ COIL FACE AREA - MAX. 1" WET COIL P.D. - 210 KW ELECTRIC HEAT COIL - 460V - 36 - 4,000 \$ MIN. OUTSIDE AIR - PIPE CONDENSATE DRAIN TO RFD FULL SIZE OF UNIT TAPPING - INSTALL TRAP WITH 6" WATER, SEAL IN LINE AT COIL

CONDENSER - 150 FLA - 460V - 34 780 MBH AT 105° OAT - 111AX, 45° SST MINIMUM OF 4 CAPACITY STEPS
WITH LOWEST STEP TO HAVE HOT
GAS BYPASS - ELECTRICAL CONTRACTOR
TO CONNECT UP POWER & CONTROL
WIRING FOR DX SOLENOID VALVES
\$ HOT GAS BYPASS VALVE

B. AHU-B:

Remove and replace existing return fan in return plenum.
Retain existing condensing unit (R407c) and refrigerant piping for reconnection.
Reuse existing refrigerant piping where applicable and provide all new appurtenances.







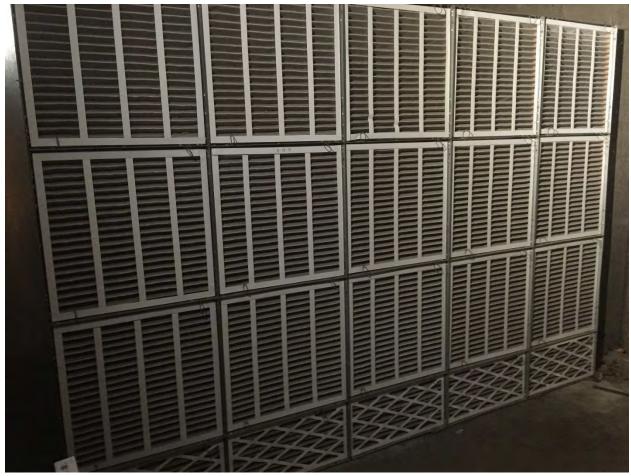
Supply fan connection



Return air connection



Unit mounting

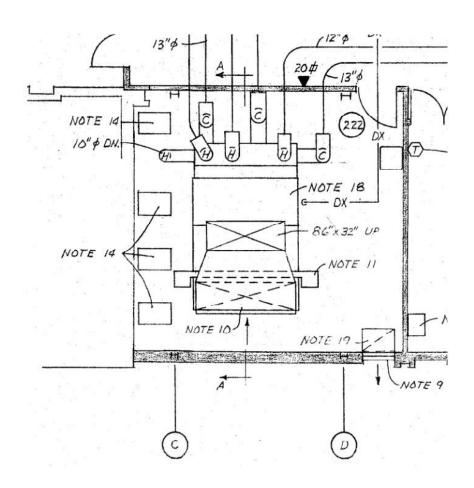


Filter rack



Mechanical room access

C. New addition AHU: Replace existing associated condensing unit and refrigerant piping.



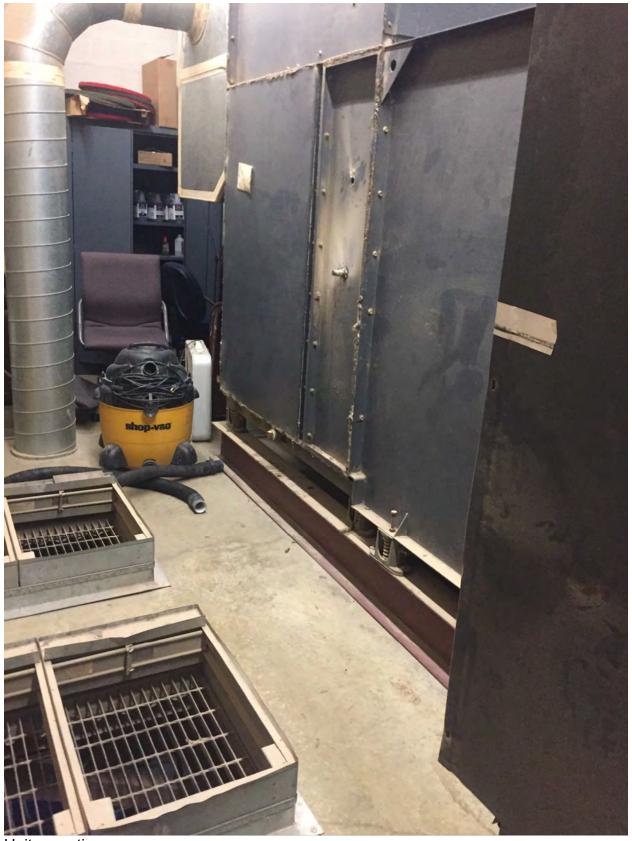




Supply air connection



Return air (open) and outside air connection



Unit mounting



Unit mounting



Mechanical room access

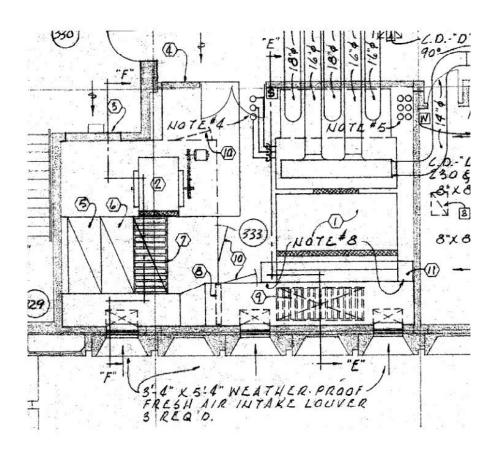
1.2 Popplewell Hall

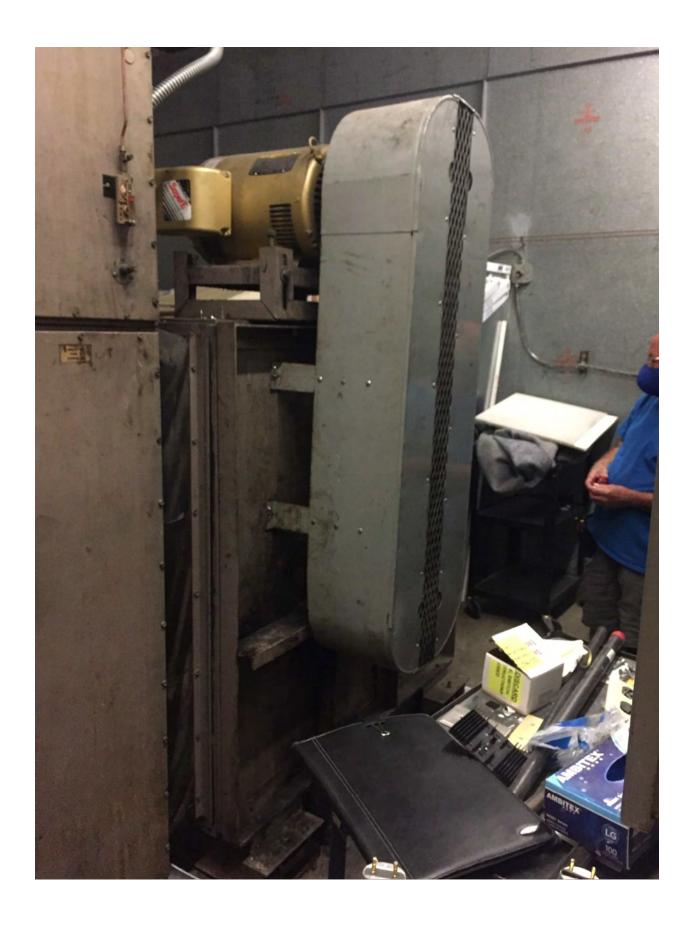
A. Existing unit schedule.

							1	こうしょう かいくしこうくしし	3	1 2	1	0	1	1]				
-	4744715	35W.078 3.6 KTHANS	5.W.078		416 514 525	w		ä	7/00 50/7000	1100 #					25.12x . 5x 41257 320WE	HX3	12.57	\$1.0W&&	
200	2.40	10.07	W.T.E.	25 MOTO	STATE OF STATE OF STATE STATES ST		8 7.27. 0	427300	35.75	166 6 B	15.7.8	N	50. 1.7.	2		9	N. 7. W.	2500	KENTIKKE
		0	٩	100	WIOTH K. HGT.	9	5645184	70744	9.0	15. 8	2.0	W. A.	200	ZOW'S	W.	a.	3.	574.	
	080'66	672.	50	505	12:34:46:37 1/2, 554,000 709,000 75.4 61.9 50.04, 48.8 41.4 6 18,835 3/6 5	12.	554,000	758,000	75.6	61.9	50.00	46.8	41.6	٠,٥	18,885	17.	le:	. 25	
	64,940	. 61/2"	40	.00	10. 28. 4. 15. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16	13	683,000	774,000	72.9	2.09	\$ 9.4	48.0	41.6	٠,	22.230	3/4	V:	36/2"	16 16 15
	18,950	.7%	00	27"	11:8%x 5:10"	19	511,000	654,000	78.6	2./3	48.5	450	346	٠,0	16,745	3/4.	vo	80.	

B. AHU-C:

Remove and replace existing return fan in return plenum. Replace existing associated condensing unit and refrigerant piping.







Supply fan connection



Return air connection



Filter rack



Mechanical room access

1.3 Blum Student Union

A. Existing unit schedule.

4111	LUPPLY KIR BLONER	4 KIE A	SLONE	77	41R F1272R5	70			2102 5011000	4 5010					RETURN EXMAUST BLOWER	KKNA	4 78 B	LOWER	-	-		
nine.	1111	75742	MIK.	BLOWER.	2788710	1116	6.7.4.H CA	PREITY	ENTER	1.16 A.R.	EEAVIK	16 418	59.67	MILL			4470	271101		RE	REMARKS	K.5
+		0.	£	10/1/2	WIDTH KHGT. IP SEUSIBLE TOTAL D.B. W.B. D.B. W.B. FACE ROWS	3.	32431842	70742	8.0	11.8.	0.6.	W. B.	F46.4	ROWS	C.F.M. 5.F. 1. WILLE	4	J.	7777				
-	18,190	C14.	7.12	2.204	10:0" K 8' 54 16 295,000 850,000 10.3 58.0 50.0 69.0 27.3 6	1/2	295,000	850,000	70.3	68.0	50.0	69.0	27.3		15,190	200	ect	.00	W.H.	10%	F. A. 4	MIL. 10% F.A. 60021146
-	5,000	Ęw.	ĸ	15%	6-4 x 3.0" 12, 150,000 160,600	20	180,000	160,000	20.7	57.2	90.7 57.2 50.0 49.0	49.0	10.8	9	5,800	14.	01	16%-		10%		
-	15,115	17%	21/2	2.20	10:0" x 3:6% 1/2 870,000	70	\$70,000	540,000 96.0 68.2	94.0	63.2		50.0 49.0	27.3	9	15,115 34	3/4-	60	80"	,	20%	-	
	3,455	274.	7/2	2-15"	1-67 x 3-0" 1/2 190,000 240,000 10.8 59.2	13	190,000	240,000	20.8	57.2	50.0	50.0 69.0	17.0	7	8,455 34" 8	3/4"	80	2-15"	1.	10%		
nanini	9,550	7%0	172	.51-3	8:4'x 3:0" 1/2	Z3	265,000	26.5,000 420,000	75.7	75.7 64.1	50.0	50.0 49.0	(7.0	3	4,650 %	-6%	01	2.13%	1	708		
inced	3,680	21/4	1/4	£15"	9.8.x 3.0" 1/2	1,9	240,000 370,000	390,000	29.9	8.47	50.0	50.0 49.0 17.0	19.0	7	6,000 3/4" 1/4	3/4"	+	2-19%	,	107		
	6,000	274-	ç	2.15%	5-0 x 3-64 16 160,000 360,000 100.0 18.0 15.0 62.5 14.0	1/9	160,000	860,000	100.0	78.0	75.0	22.5	14.0	,	The same of the same of	1	1	1		50%		
	20,000	.7/7	267 L-	1-53	10:0'x 5'6" 16	1/2	ı	-	1	1	I	1	-	1	1	1	Ī		424	7/14	HEATING ONLY	. 47/
	1,500	4.2	761	12%	8-16-X25-X2" -	ī	45,000	99,000 94.2 622	2.26	359	50.0	690	5.7		6 2,300 1/4- 1/4	-5/2	1/4	12%-	MIM	25%	1.4	12% MIN. 25% F.A. COOLING
-																300						7.7.7.
												200						-		-	-	-

B. AHU-A:

Replace chilled water piping back to isolation valve and provide new valve.

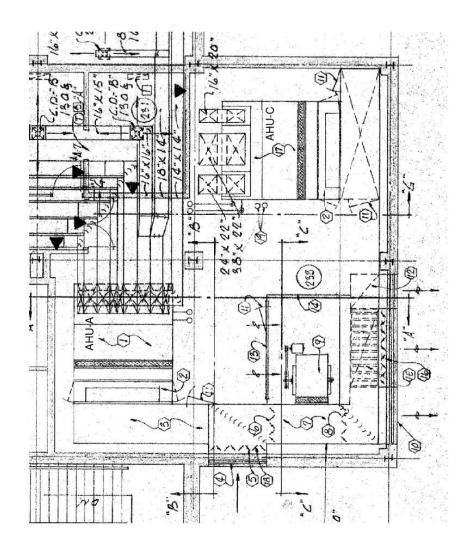
Reuse existing circulation pumps.

Provide new temperature gauges.

Provide new drain valve and piping.

Provide new circuit setters and pressure gauges.

Insulate and label chilled water piping.







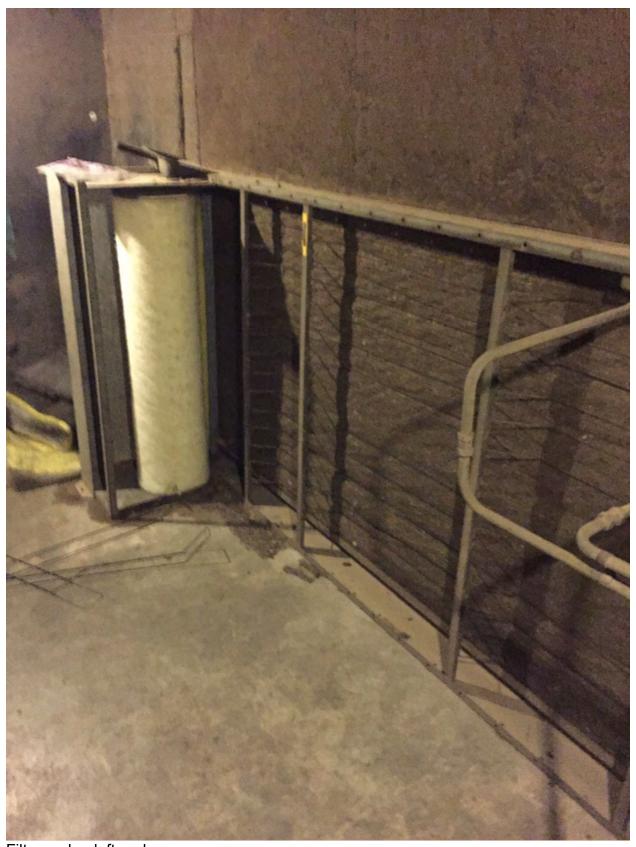
Supply air connection



Return air connection



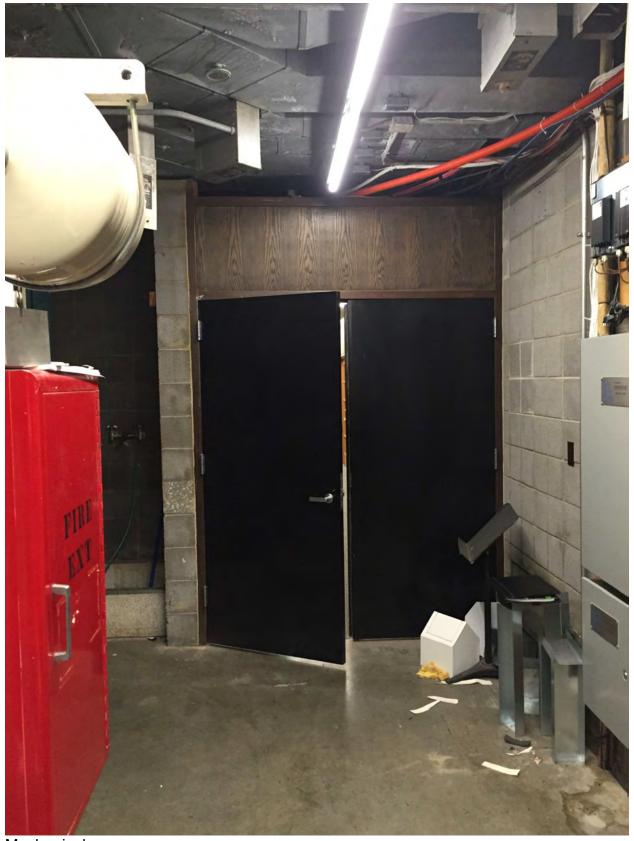
Unit mounting



Filter rack – left end



Filter rack – right end



Mechanical room access

C. AHU-C (see plan above):

Replace chilled water piping back to isolation valve and provide new valve.

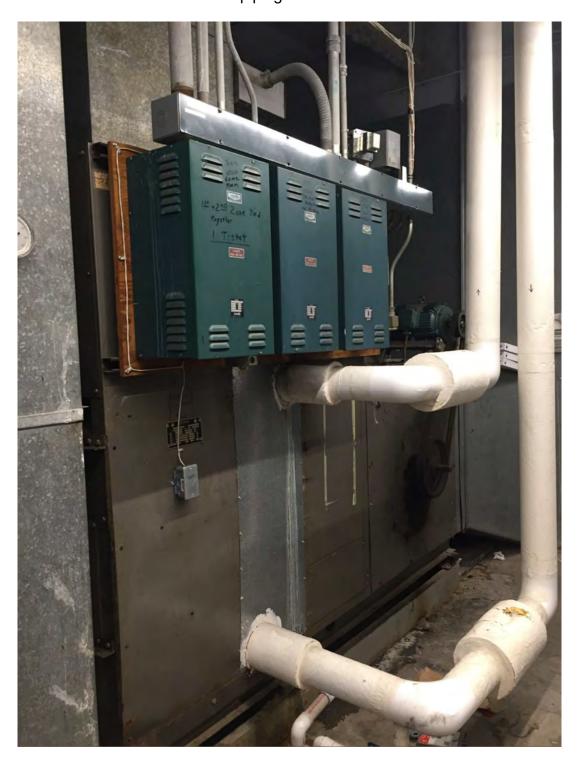
Reuse existing circulation pump.

Provide new temperature gauges.

Provide new drain valve and piping.

Provide new circuit setters and pressure gauges.

Insulate and label chilled water piping.







Return air connection



D. AHU-E (South Dining):

Replace chilled water piping back to isolation valve and provide new valve.

Reuse existing circulation pump.

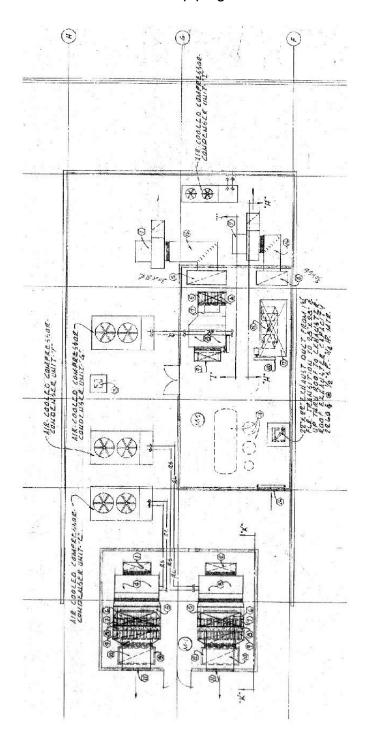
Provide new temperature gauges.

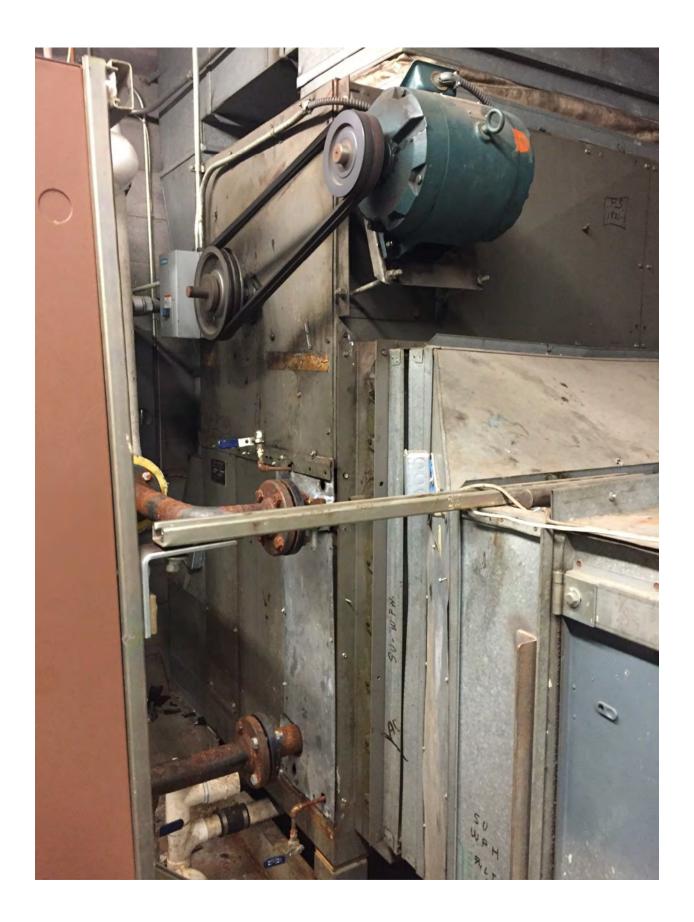
Provide new drain valve and piping.

Remove existing return fan. New return fans internal to new unit.

Provide new circuit setters and pressure gauges.

Insulate and label chilled water piping.







Supply air connection



Return and outside air connection

E. AHU-F (North Dining) See plan above:

Replace chilled water piping back to isolation valve and provide new valve.

Reuse existing circulation pump.

Provide new temperature gauges.

Provide new drain valve and piping.

Remove existing return fan. New return fans internal to new unit.

Provide new circuit setters and pressure gauges.

Insulate and label chilled water piping.





Supply air connection



Return and outside air connection

F. AHU-G (Kitchen) See plan above:

Replace chilled water piping back to isolation valve and provide new valve.

Reuse existing circulation pump.

Provide new temperature gauges.
Provide new drain valve and piping.

Provide new circuit setters and pressure gauges.

Insulate and label chilled water piping.





Supply air connection



Return and outside air connection

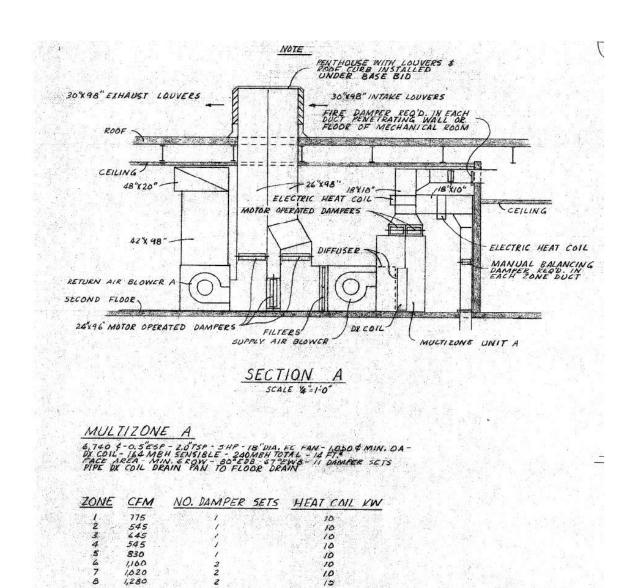
1.4 Looney Hall

A. Existing unit schedule.

COMPO C.F.M TOTAL MTR MIGHTLE MUMBER 45/72 A.T.M. CAPACITY LUTERING AIR LEAVING, AIR 18,157 MM. "A 14,080 2" 11/2 2-18" 16-20'x 25'x2" 395,000 647,000 75.0 60.8 50.0 49.5 19.4 8 COMDITIONER'S. "E' 14,080 2" 11/2 2-18" 16-20'x 25'x2" 395,000 647,000 75.0 60.8 50.0 49.5 19.4 8 COMDITIONER'S. "E' 18,510 2" 11/2 2-18" 12-20'x 25'x2" 391,500 15,1200 75.0 60.8 50.0 49.5 19.4 8 COMDITIONER'S. "E' 4,170 2" 5 15" 4-20'x 25'x2" 361,500 110,000 75.0 60.8 50.0 49.5 17.4 6 COMDITIONER'S.					¥61	707	CONDITIONER SCHEDULE	NER	56	HEL	777	7				
C.F.M. TOTAL WIR PUPPLE UNWARR & 612C. 5.711.4. CAPACITY LUTERING AIR LEAVING AIR 601. MIS. 1907. MIN. 1907. MIN. 1907. MIS. 10.6. MIS. 0.6. MIS. 1907. EDWIS 14,080 2: 71% 2-16" 16-20*225*22" 395,000 647,000 73.0 60.8 50.0 49.5 23.5 6 COUDT 15,000 2: 71% 2-16" 16-20*225*22" 396,000 647,000 73.0 60.8 50.0 49.5 19.4 8 COUDT 15,090 2: 71% 2-16" 12-20*25*22" 361,500 615,500 73.0 60.8 50.0 49.5 77.4 8 COUDT 4,170 2: 5 15: 4.20*25*22" 561,000 110,000 73.0 60.8 50.0 49.5 77.2 6 COUDT		2000	.Y 41R .	BEOW	EK	FILTERS		7	N/700	6 60	7/					1000
14,080 2" 7% 2-18" 16-20'K25'K2" \$\$5,000 647,000 73.0 60.8 W.B. FACE ROWS 14,080 2" 7% 2-18" 16-20'K25'K2" \$\$5,000 647,000 73.0 60.8 50.0 49.5 28.5 8 18,510 2" 7% 2-18" 16-20'K25'K2" \$\$61,500 631,200 73.0 60.8 50.0 49.5 19.4 8 18,090 2" 7% 2-16" 12-20'K25'K2" \$51,000 15.0 60.8 50.0 49.5 774 8 4,170 2" 5 15" 4-20'K25'K2" 561,000 110,000 73.0 60.8 50.0 49.5 774 8	200	1137	TOTAL	MTE	ALOWER.	Williaken 6 Line	B.T.U.N. CAPA	7772)	ENTER	NG ALR	124/11	5 X1R	19. F.T.	MIN.	REMARKS:	
14,080 2° 11/2 2-18" 15-20'K25'X2" \$\$5,000 42,000 73.0 40.8 50.0 47.5 29.5 8 14,080 2° 11/2 2-18" 15-20'K25'X2" \$\$95,000 447,000 75.0 40.8 50.0 47.5 23.5 \$ 18,510 2° 11/2 2-18" 12-20'X25'X2" \$\$81,500 43,1200 75.0 60.0 50.0 47.5 174 8 15,090 2° 11/2 2-16" 12-20'X25'X2" \$\$41,000 15,500 73.0 60.0 50.0 47.5 774 8 4,170 2° 5 15" 4-20'X25'X2" 541,000 110,000 73.0 60.0 50.0 47.5 72 6			5.0	đ	"D/A"	NOWOLK & DILL	5EN 51866	TOTAL	0.8.	K. 18.	0.8	W.B.	FACE	KOWS		
14,080 2" 11/2 2" 15-20"x 25"x 2" 895,000 647,000 79,0 60.8 50.0 49.5 23.5 \$ 18,510 2" 11/2 2.10" 12-20"x 25"x 2" 381,500 63,1200 77.0 60.0 50.0 49.5 19.4 \$ 18,090 2" 11/2 2" 12" 12" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2	4.	14,080	2	1.12	2-18"	15-20'K 25'X 2"	\$95,000	647,000	73.0	60.8	50.0	49.5	28.5	0	COMDITIONER. "	
18,510 2" 11/2 1-18" 12-20"x 25 x 2" 361,500 63,200 75.0 60.0 500 49.5 19.4 8 15,090 2 11/2 2-10" 12-20"x 25 x 2" 361,000 1/5,500 75.0 60.8 50.0 49.5 774 8 4,170 2" 5 15" 4-20"x 25 x 2" 00,000 1/0,000 75.0 60.8 50.0 49.5 72 6		14,080	2	11/2	2.18"	15.20° x 25° x 2"	395,000	647,000	1	60.8	500	49.5	23.5	•0	COMDITIONER.B.	
4,70 2° 5 15 4.20 x 25 x 2° 36,000 110,000 13.0 60.6 50.0 49.5 774 6		18,510		11/2	2.18	12-20" X 25" X 2"	581, 500	631,200	73.9	60.0	20.00	69.5	19.4	90	COMPITIONER."	
- 4.20"x 25"x 2" x 20,000 110,000 115.0 60.6 50.0 49.5 7.2 6		18,090	21	11/2		12-20'X 25'X"	367,000	615,500	73.0	80.8	50.0	49.5	1	9	COMDITIONER.O.	
	.,	4,170	2,	eO.		4.20"x 25"x 2"	000'00	110,000	75.0	60.00	50.0	49.5	7.2	9	CONDITIONER.E.	
									8-			jë.				

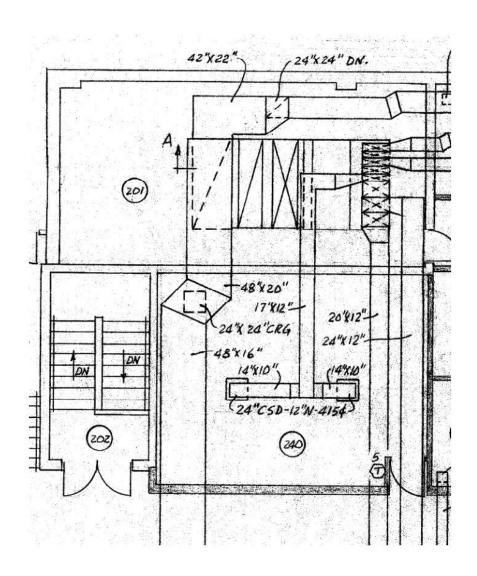
1,100

RETURN BLOWER A 6,740 \$ - 0.375"5P- 12HP-



B. Athletics Office AHU:

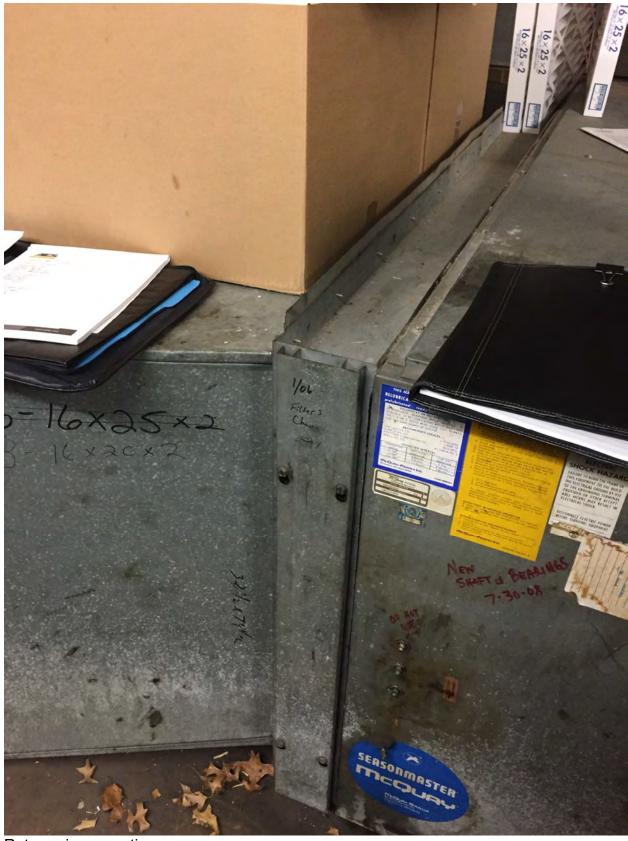
Replace existing associated condensing unit and refrigerant piping. Remove existing return fan. New return fans internal to new unit



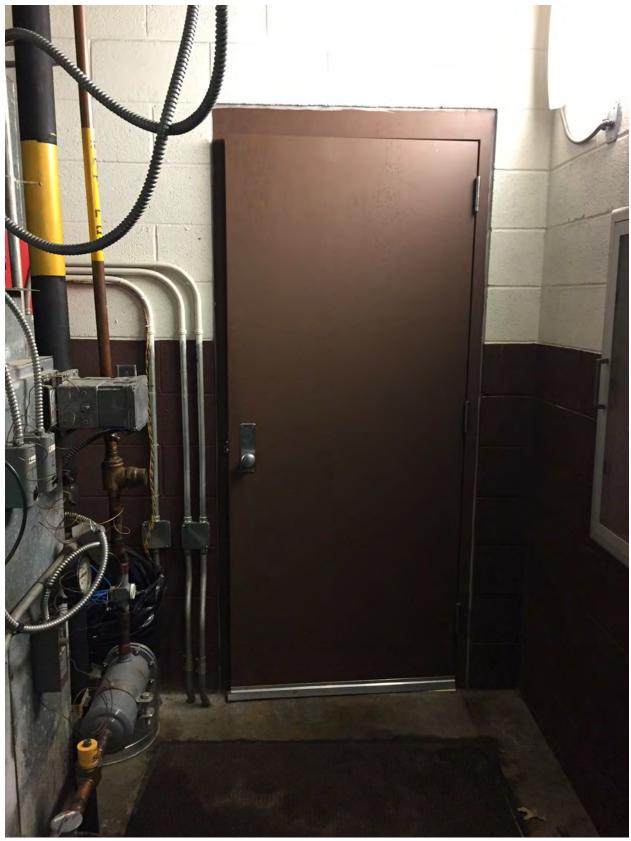




Supply air connection

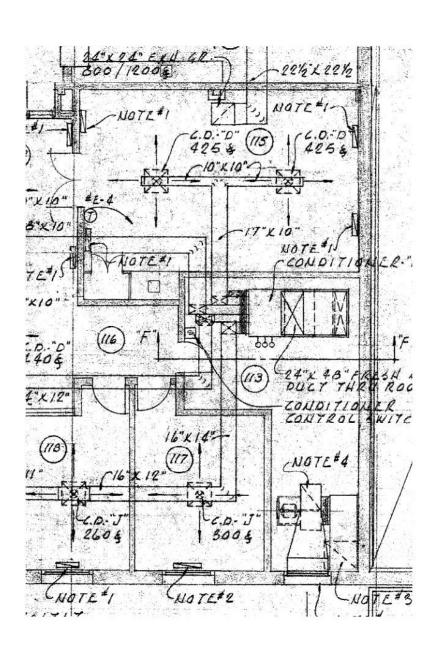


Return air connection

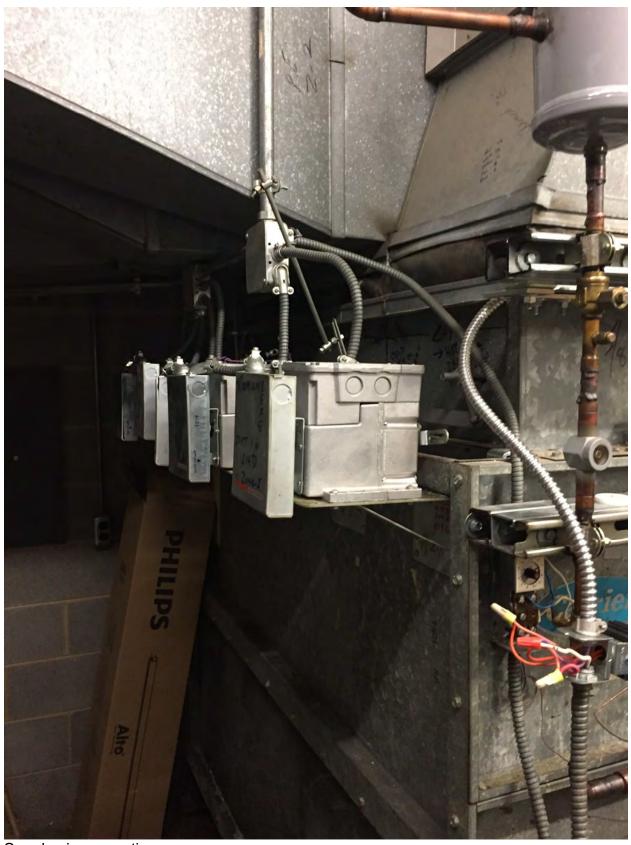


Mechanical room access

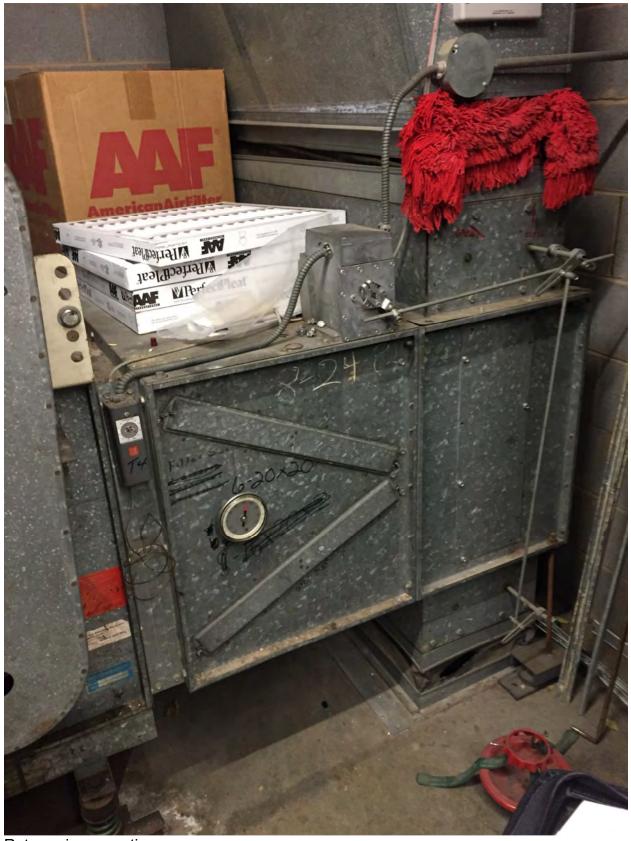
C. AHU-E (Hyper Office): Replace existing associated condensing unit and refrigerant piping





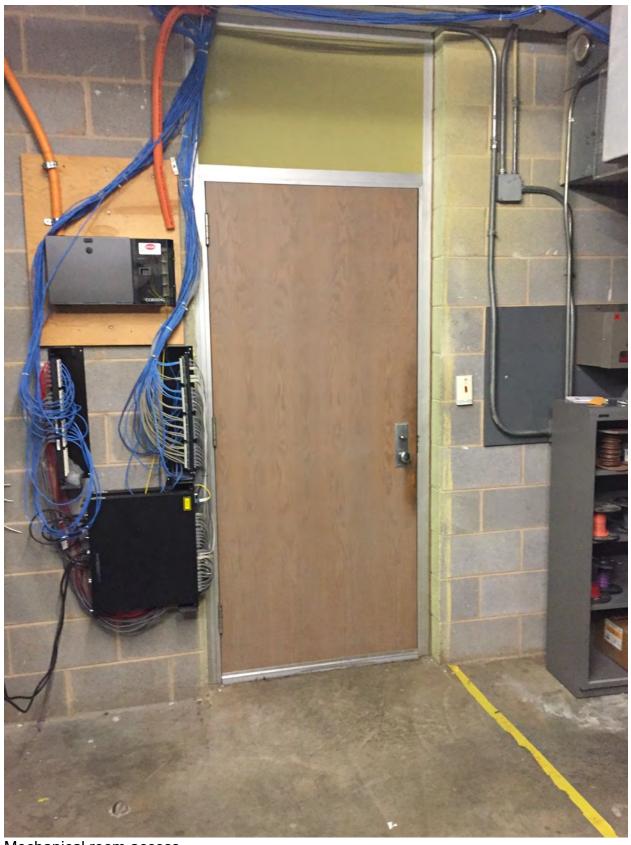


Supply air connection



Return air connection





Mechanical room access