NONRESIDENTIAL ACM MANUAL APPENDIX ~~NF~~NB

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Table NF-1 – ACM MATERIAL LIBRARY

NAME	THICKNESS (feet)	CONDUCT.	DENSITY	SP-HEAT	R-VALUE
2X4	0.2917	0.0842	35.00	0.39	
2X6	0.4583	0.0842	35.00	0.39	
AIRWALL-MAT					1.00
CARPET2					2.00
CEL-2.5	0.2083	0.0333	5.00	0.32	
EARTH	1.0000	0.5000	85.00	0.20	
ISO-3.0	0.2500	0.0142	1.50	0.38	
PERIM	1.3330	0.9300	82.00	0.22	
R1.60					1.60
R1.95					1.95
R10-RIGID-INS	0.1667	0.0167	14.00	0.17	
R11-INS	0.2917	0.0265	0.60	0.20	
R13-INS	0.2917	0.0224	0.60	0.20	
R19-INS	0.5035	0.0265	0.60	0.20	
R30-INS	0.7500	0.0265	0.60	0.20	
R4-RIGID-INS	0.0833	0.0218	14.00	0.17	
R4.76					4.76
R5.93					5.93
R7-RIGID-INS	0.0833	0.0119	14.00	0.17	
SC2A	0.0729	0.4288	166.00	0.20	
SPANDREL-R10-MAT	1.0000	0.0100	25.00	0.20	
SPANDREL-R15-MAT	1.0000	0.0667	30.00	0.20	

Table NF-2 – ACM LAYERS LIBRARY

Name	Mat[1]	Mat[2]	Mat[3]	Mat[4]	Mat[5]	I-F-R
AIRWALL-LAY	AIRWALL-MAT					0.68
CONC-SPANDEL-LAY	CC22	W1B-R13	GP02			0.68
DEMISING-LAY	GP01	W1A-R11	GP01			0.68
DOORC-LAY	AS01	WD11	AS01			0.68
FLR-CONC-CAV-LAY	CEL-2.5	CC03	CP01			0.92
FLR-CONC-RAK-LAY	CEL-2.5	CC05	CP01			0.92
INTWALL-LAY	GP03	GP03	GP03			0.68
RF-INTERIOR-LAY	CC04	CP01				0.61
RF-ISO3.0-LAY	BR01	ISO-3.0	PW04			0.61
ROOFI-F-LAY	CC32	PW05	WD05	WD05		0.61
ROOFI-LAY	CC32	PW05				0.61
SLAB-LAY	EARTH	CC14				0.92
SLABC-LAY	EARTH	CC14	CP01			0.92
SLABP-LAY	EARTH	CC14	CP01			0.92
SPANDREL-R10-LAY	SPANDREL-R10-MAT					0.68
SPANDREL-R15-LAY	SPANDREL-R15-MAT					0.61
WIZ-LAY	GP02	W1A-R11	GP02			0.68

Table NF-3– ACM CONSTRUCTION LIBRARY

Construction	Layers	ABS	RO
AIRWALL	AIRWALL-LAY	0.7	3
CONC-SPANDEL	CONC-SPANDEL-LAY	0.7	3
DEMISING	DEMISING-LAY	0.7	3
DOORC	DOORC-LAY	0.7	3
FLR-CONC-CAV	FLR-CONC-CAV-LAY	0.7	3
FLR-CONC-RAK	FLR-CONC-RAK-LAY	0.7	3
INTWALL	INTWALL-LAY	0.7	3
RF-INTERIOR	RF-INTERIOR-LAY	0.7	3
RF-ISO3.0	RF-ISO3.0-LAY	0.7	3
ROOFI	ROOFI-LAY	0.7	3
ROOFI-F	ROOFI-F-LAY	0.7	3
SLAB	SLAB-LAY	0.1	3
SLABC	SLABC-LAY	0.1	3
SLABP	SLABP-LAY	0.1	3
SPANDREL-R10	SPANDREL-R10-LAY	0.7	3
SPANDREL-R15	SPANDREL-R15-LAY	0.4	3
WIZ	WIZ-LAY	0.7	3

Table NF-4 – ACM VAV BOX LIBRARY

MODEL	CFM	MIN RATIO	REHEAT CAP
VAV1200A	1200	0.35	21000
VAV1200H	1200	0.30	18000
VAV1200L	1200	0.40	24000
VAV1500A	1500	0.35	26250
VAV1500H	1500	0.30	22500
VAV1500L	1500	0.40	30000
VAV2000A	2000	0.35	35000
VAV2000H	2000	0.30	30000
VAV2000L	2000	0.40	40000
VAV2500A	2500	0.35	43750
VAV2500H	2500	0.30	37500
VAV2500L	2500	0.40	50000
VAV3000A	3000	0.35	52500
VAV3000H	3000	0.30	45000
VAV3000L	3000	0.40	60000
VAV300A	300	0.35	5250
VAV300H	300	0.30	4500
VAV300L	300	0.40	6000
VAV3500A	3500	0.35	61250
VAV3500H	3500	0.30	52500
VAV3500L	3500	0.40	70000
VAV4000A	4000	0.35	70000
VAV4000H	4000	0.30	60000
VAV4000L	4000	0.40	80000
VAV4500A	4500	0.35	78750
VAV4500H	4500	0.30	67500
VAV4500L	4500	0.40	90000
VAV450A	450	0.35	7875
VAV450H	450	0.30	6750
VAV450L	450	0.40	9000
VAV5000A	5000	0.35	87500
VAV5000H	5000	0.30	75000
VAV5000L	5000	0.40	100000
VAV600A	600	0.35	10500
VAV600H	600	0.30	9000
VAV600L	600	0.40	12000
VAV900A	900	0.35	15750
VAV900H	900	0.30	13500
VAV900L	900	0.40	18000

Table NF-5 – ACM PIU EQUIPMENT LIBRARY

Model	TYP	Cfm	M-C-R	F-C-R	FPI	ReheatCap
PIU300AP	P	300	0.3	0.60	0.33	8100
PIU300AS	S	300	0.3	1.00	0.33	8100
PIU300HP	P	300	0.3	0.90	0.28	12000
PIU300HS	S	300	0.3	1.00	0.28	12000
PIU300LP	P	300	0.3	0.40	0.35	5400
PIU300LS	S	300	0.3	1.00	0.35	5400
PIU450AP	P	450	0.3	0.60	0.33	12000
PIU450AS	S	450	0.3	1.00	0.33	12000
PIU450HP	P	450	0.3	0.90	0.28	18200
PIU450HS	S	450	0.3	1.00	0.28	18200
PIU450LP	P	450	0.3	0.40	0.35	8100
PIU450LS	S	450	0.3	1.00	0.35	8100
PIU600AP	P	600	0.3	0.60	0.33	16200
PIU600AS	S	600	0.3	1.00	0.33	16200
PIU600HP	P	600	0.3	0.90	0.28	24300
PIU600HS	S	600	0.3	1.00	0.28	24300
PIU600LP	P	600	0.3	0.40	0.35	10800
PIU600LS	S	600	0.3	1.00	0.35	10800
PIU750AP	P	750	0.3	0.60	0.33	20250
PIU750AS	S	750	0.3	1.00	0.33	20250
PIU750HP	P	750	0.3	0.90	0.28	30400
PIU750HS	S	750	0.3	1.00	0.28	20250
PIU750LP	P	750	0.3	0.40	0.35	13500
PIU750LS	S	750	0.3	1.00	0.35	13500
PIU900AP	P	900	0.3	0.60	0.33	24300
PIU900AS	S	900	0.3	1.00	0.33	24300
PIU900HP	P	900	0.3	0.90	0.28	36500
PIU900HS	S	900	0.3	1.00	0.28	36500
PIU900LP	P	900	0.3	0.40	0.35	16200
PIU900LS	S	900	0.3	1.00	0.35	16200

Table NF-6– ACM SMALL PACKAGE SPLIT AIR CONDITIONER

Model	Cap95	Cap82	EER	SEER	CFM	Cd	FPIcv	FPIvav	HCAP	AFUE
ACSP17A	17000	18850	9.60	9.90	500	0.15	0.50	1.00	25000	82
ACSP17H	17000	17860	9.70	10.00	500	0.20	0.35	0.75	25000	84
ACSP17L	17000	20200	9.50	9.90	500	0.10	0.90	1.30	25000	80
ACSP22A	22000	24270	9.60	9.90	600	0.15	0.50	1.00	30000	82
ACSP22H	22000	24700	10.40	12.00	600	0.20	0.35	0.75	30000	84
ACSP22L	22000	24640	9.50	9.90	600	0.10	0.90	1.30	30000	82
ACSP28A	28000	31310	9.60	9.90	800	0.15	0.50	1.00	40000	84
ACSP28H	28000	31320	10.60	12.00	800	0.20	0.35	0.75	40000	80
ACSP28L	28000	31420	9.50	9.90	800	0.10	0.90	1.30	40000	82
ACSP34A	34000	36850	9.60	9.90	1100	0.15	0.50	1.00	55000	84
ACSP34H	34000	37770	10.50	12.00	1100	0.20	0.35	0.75	55000	80
ACSP34L	34000	38370	9.50	9.90	1100	0.10	0.90	1.30	55000	82
ACSP40A	40000	43360	9.60	9.90	1200	0.15	0.50	1.00	60000	84
ACSP40H	40000	42530	10.80	12.00	1200	0.20	0.35	0.75	60000	80
ACSP40L	40000	46820	9.50	9.90	1200	0.10	0.90	1.30	60000	82
ACSP46A	46000	49770	9.60	9.90	1600	0.15	0.50	1.00	80000	84
ACSP46H	46000	51400	10.50	12.00	1600	0.20	0.35	0.75	80000	80
ACSP46L	46000	49660	9.50	9.90	1600	0.10	0.90	1.30	80000	82
ACSP52A	52000	55500	9.60	9.90	1700	0.15	0.50	1.00	85000	84
ACSP52H	52000	56280	11.10	12.50	1700	0.20	0.35	0.75	85000	80
ACSP52L	52000	56650	9.50	9.90	1700	0.10	0.90	1.30	85000	82
ACSP58A	58000	62520	9.60	9.90	1800	0.15	0.50	1.00	90000	84
ACSP58H	58000	62290	10.80	12.00	1800	0.20	0.35	0.75	90000	80
ACSP58L	58000	63360	9.50	9.90	1800	0.10	0.90	1.30	90000	82
ACSP63A	63000	67460	9.60	9.90	1900	0.15	0.50	1.00	95000	84
ACSP63H	63000	68000	10.50	12.10	1900	0.20	0.35	0.75	95000	80
ACSP63L	63000	67830	9.50	9.90	1900	0.10	0.90	1.30	95000	82

Table NF-7– ACM LARGE PACKAGE SPLIT AIR CONDITIONER LIBRARY

Model	Cap95	Cfm	BHPari	MotorEff	FPIcv	FPIvav	EER	HCap	AFUE
ACLP007A	80150	3100	0.23	0.810	0.50	1.00	9.00	93000	82
ACLP007H	79100	2800	0.21	0.875	0.35	0.75	9.20	84000	84
ACLP007L	77350	2500	0.18	0.810	0.90	1.30	8.90	75000	80
ACLP010A	114500	4500	0.41	0.850	0.50	1.00	9.00	135000	82
ACLP010H	113000	4000	0.34	0.917	0.35	0.75	9.20	120000	84
ACLP010L	110500	3500	0.30	0.850	0.90	1.30	8.90	105000	80
ACLP015A	171750	6750	0.85	0.850	0.50	1.00	8.70	202500	82
ACLP015H	169500	6000	0.67	0.917	0.35	0.75	9.00	180000	84
ACLP015L	165750	5250	0.38	0.850	0.90	1.30	8.50	157500	80
ACLP020A	229000	9000	1.60	0.850	0.50	1.00	8.70	270000	82
ACLP020H	226000	8000	1.23	0.917	0.35	0.75	9.00	240000	84
ACLP020L	221000	7000	0.92	0.850	0.90	1.30	8.50	210000	80
ACLP025A	292000	8750	1.34	0.850	0.50	1.00	8.70	262500	82
ACLP025H	281000	7000	0.79	0.917	0.35	0.75	9.00	210000	84
ACLP025L	271500	6000	0.50	0.850	0.90	1.30	8.50	180000	80
ACLP030A	352000	12000	2.13	0.850	0.50	1.00	8.70	360000	82
ACLP030H	345000	10500	1.40	0.917	0.35	0.75	9.00	315000	84
ACLP030L	337000	9000	1.09	0.850	0.90	1.30	8.50	270000	80
ACLP040A	483000	18000	4.13	0.860	0.50	0.75	8.70	540000	82
ACLP040H	476000	16000	3.02	0.910	0.35	0.75	9.00	480000	84
ACLP040L	467000	14000	2.12	0.860	0.90	1.30	8.50	420000	80
ACLP050A	589000	22500	7.60	0.860	0.50	1.00	8.70	675000	82
ACLP050H	580000	20000	5.49	0.910	0.35	0.75	9.00	600000	84
ACLP050L	569000	17500	3.75	0.860	0.90	1.30	8.50	525000	80
ACLP060A	723000	27000	7.26	0.880	0.50	1.00	8.70	810000	82
ACLP060H	712000	24000	5.41	0.930	0.35	0.75	9.00	720000	84
ACLP060L	698000	21000	3.91	0.880	0.90	1.30	8.50	630000	80
ACLP070A	811000	26000	6.60	0.880	0.50	1.00	8.50	780000	82
ACLP070H	801000	24000	5.41	0.930	0.35	0.75	8.80	720000	84
ACLP070L	815000	27000	7.26	0.880	0.90	1.30	8.20	810000	80
ACLP075A	883000	26000	6.60	0.880	0.50	1.00	8.50	780000	82
ACLP075H	873000	24000	5.41	0.930	0.35	0.75	8.80	720000	84
ACLP075L	862000	22000	3.91	0.880	0.90	1.30	8.20	660000	80
ACLP090A	1062000	42000	15.03	0.880	0.50	1.00	8.70	1260000	82
ACLP090H	1044000	37000	10.82	0.930	0.35	0.75	8.80	1110000	84
ACLP090L	1021000	32000	7.52	0.880	0.90	1.30	8.20	960000	80
ACLP105A	1229000	43000	15.99	0.890	0.50	1.00	8.50	1290000	82
ACLP105H	1213000	39000	12.39	0.941	0.35	0.75	8.80	1170000	84
ACLP105L	1193000	35000	9.40	0.880	0.90	1.30	8.20	1050000	80

Table NF-8– ACM FAN COIL EQUIPMENT LIBRARY

MODEL	COOLCAP	HEATCAP	CFM	FPI
FC008A	8400	12000	300	0.50
FC008H	8400	12000	300	0.35
FC008L	8400	12000	300	0.90
FC013A	12600	18000	450	0.50
FC013H	12600	18000	450	0.35
FC013L	12600	18000	450	0.90
FC017A	16800	24000	600	0.50
FC017H	16800	24000	600	0.35
FC017L	16800	24000	600	0.90
FC021A	21000	30000	750	0.50
FC021H	21000	30000	750	0.35
FC021L	21000	30000	750	0.90
FC028A	28000	40000	1000	0.50
FC028H	28000	40000	1000	0.35
FC028L	28000	40000	1000	0.90
FC035A	35000	50000	1250	0.50
FC035H	35000	50000	1250	0.35
FC035L	35000	50000	1250	0.90
FC042A	42000	60000	1500	0.50
FC042H	42000	60000	1500	0.35
FC042L	42000	60000	1500	0.90
FC056A	56000	80000	2000	0.50
FC056H	56000	80000	2000	0.35
FC056L	56000	80000	2000	0.90
FC070A	70000	100000	2500	0.50
FC070H	70000	100000	2500	0.35
FC070L	70000	100000	2500	0.90
FC084A	84000	120000	3000	0.50
FC084H	84000	120000	3000	0.35
FC084L	84000	120000	3000	0.90
FC098A	98000	140000	3500	0.50
FC098H	98000	140000	3500	0.35
FC098L	98000	140000	3500	0.90
FC112A	112000	160000	4000	0.50
FC112H	112000	160000	4000	0.35
FC112L	112000	160000	4000	0.90
FC126A	126000	180000	4500	0.50
FC126H	126000	180000	4500	0.35
FC126L	126000	180000	4500	0.90
FC140A	140000	200000	5000	0.50
FC140H	140000	200000	5000	0.35
FC140L	140000	200000	5000	0.90
FC168A	168000	240000	6000	0.50
FC168H	168000	240000	6000	0.35
FC168L	168000	240000	6000	0.90

MODEL	COOLCAP	HEATCAP	CFM	FPI
FC196A	196000	280000	7000	0.50
FC196H	196000	280000	7000	0.35
FC196L	196000	280000	7000	0.90
FC224A	224000	320000	8000	0.50
FC224H	224000	320000	8000	0.35
FC224L	224000	320000	8000	0.90
FC252A	252000	360000	9000	0.50
FC252H	252000	360000	9000	0.35
FC252L	252000	360000	9000	0.90
FC280A	280000	400000	10000	0.50
FC280H	280000	400000	10000	0.35
FC280L	280000	400000	10000	0.90
FC350A	350000	500000	12500	0.50
FC350H	350000	500000	12500	0.35
FC350L	350000	500000	12500	0.90
FC420A	420000	600000	15000	0.50
FC420H	420000	600000	15000	0.35
FC420L	420000	600000	15000	0.90
FC490A	490000	700000	17500	0.50
FC490H	490000	700000	17500	0.35
FC490L	490000	700000	17500	0.90
FC560A	560000	800000	20000	0.50
FC560H	560000	800000	20000	0.35
FC560L	560000	800000	20000	0.90
FC700A	700000	1000000	25000	0.50
FC700H	700000	1000000	25000	0.35
FC700L	700000	1000000	25000	0.90
FC840A	840000	1200000	30000	0.50
FC840H	840000	1200000	30000	0.35
FC840L	840000	1200000	30000	0.90

Table NF-9– ACM HEAT ONLY LIBRARY

Model	HeatCap	CFM	FPI	AFUE
HEAT045A	45000	1000	0.50	82
HEAT045H	45000	1000	0.35	84
HEAT045L	45000	1000	0.90	80
HEAT063A	63000	1500	0.50	82
HEAT063H	63000	1500	0.35	84
HEAT063L	63000	1500	0.90	80
HEAT090A	90000	2000	0.50	82
HEAT090H	90000	2000	0.35	84
HEAT090L	90000	2000	0.90	80
HEAT108A	108000	2500	0.50	82
HEAT108H	108000	2500	0.35	84
HEAT108L	108000	2500	0.90	80
HEAT135A	135000	3000	0.50	82
HEAT135H	135000	3000	0.35	84
HEAT135L	135000	3000	0.90	80
HEAT153A	153000	3500	0.50	82
HEAT153H	153000	3500	0.35	84
HEAT153L	153000	3500	0.90	80
HEAT180A	180000	4000	0.50	82
HEAT180H	180000	4000	0.35	84
HEAT180L	180000	4000	0.90	80
HEAT215A	215000	5000	0.50	82
HEAT215H	215000	5000	0.35	84
HEAT215L	215000	5000	0.90	80
HEAT323A	323000	7500	0.50	82
HEAT323H	323000	7500	0.35	84
HEAT323L	323000	7500	0.90	80
HEAT450A	450000	10000	0.50	82
HEAT450H	450000	10000	0.35	84
HEAT450L	450000	10000	0.90	80
HEAT538A	538000	12500	0.50	82
HEAT538H	538000	12500	0.35	84
HEAT538L	538000	12500	0.90	80
HEAT665A	665000	15000	0.50	82
HEAT665H	665000	15000	0.35	84
HEAT665L	665000	15000	0.90	80
HEAT900A	900000	20000	0.50	82
HEAT900H	900000	20000	0.35	84
HEAT900L	900000	20000	0.90	80

Table NF-10– ACM HEAT PUMP EQUIPMENT LIBRARY

Model	Cap 95	Cap 82	Hcap 47	Hcap 17	EER	SEER	HSPF	COP 47	COP 17	Cfm	Cd	Fpi
HPSP108A	108000		110000	58700	9.00		7.32	3.00	2.00	3300		0.50
HPSP108H	108000		109800	56300	9.20		7.32	3.00	2.00	3300		0.35
HPSP108L	108000		109800	59000	8.90		7.68	3.10	2.00	3300		0.90
HPSP126A	126000		123400	68100	9.00		7.32	3.00	2.00	4300		0.50
HPSP126H	126000		111700	59900	9.60		7.32	3.00	2.00	4300		0.35
HPSP126L	126000		128100	68900	8.90		7.68	3.10	2.00	4300		0.90
HPSP162A	162000		150600	80200	8.90		7.00	2.90	2.00	5400		0.50
HPSP162H	162000		146400	77600	9.40		7.00	2.90	2.00	5400		0.35
HPSP162L	162000		148800	77200	8.50		7.00	2.90	2.00	5400		0.90
HPSP222A	222000		224200	115400	8.60		7.32	3.00	2.00	6400		0.50
HPSP222H	222000		215900	115000	8.80		7.32	3.00	2.00	6400		0.35
HPSP222L	222000		227700	123500	8.50		7.32	3.00	2.10	6400		0.90
HPSP22A	22000	24150	21600	11900	9.60	10.50	7.32	3.00	2.00	600	0.15	0.50
HPSP22H	22000	24050	20800	10900	11.10	12.00	8.40	3.30	2.00	600	0.20	0.35
HPSP22L	22000	23390	22000	12300	9.50	10.00	7.32	3.00	2.00	600	0.10	0.90
HPSP28A	28000	30420	27500	15400	9.60	10.40	7.32	3.00	2.00	800	0.15	0.50
HPSP28H	28000	30040	25400	13900	11.20	12.00	7.32	3.00	2.00	800	0.20	0.35
HPSP28L	28000	30800	28000	15800	9.50	9.90	7.32	3.00	2.00	800	0.10	0.90
HPSP34A	34000	36980	33500	18600	9.60	10.20	7.32	3.00	2.00	1100	0.15	0.50
HPSP34H	34000	37600	31100	18000	10.70	12.00	8.40	3.30	2.20	1100	0.20	0.35
HPSP34L	34000	37790	36300	19600	9.50	9.90	7.32	3.00	2.00	1100	0.10	0.90
HPSP40A	40000	43500	39600	22000	9.60	10.00	7.32	3.00	2.00	1200	0.15	0.50
HPSP40H	40000	44140	37200	20700	10.30	12.00	8.04	3.20	2.00	1200	0.20	0.35
HPSP40L	40000	44930	41400	24000	9.50	9.90	7.32	3.00	2.00	1200	0.10	0.90
HPSP46A	46000	50000	46200	25700	9.60	10.00	7.32	3.00	2.00	1600	0.15	0.50
HPSP46H	46000	51400	46500	25600	10.40	12.00	8.04	3.20	2.10	1600	0.20	0.35
HPSP46L	46000	49830	48100	26200	9.50	9.90	7.68	3.10	2.10	1600	0.10	0.90
HPSP52A	52000	56060	51300	28000	9.60	10.00	7.32	3.00	2.00	1700	0.15	0.50
HPSP52H	52000	56820	49300	28900	9.90	12.30	8.04	3.20	2.00	1700	0.20	0.35
HPSP52L	52000	56280	51400	30000	9.50	9.90	7.32	3.00	2.00	1700	0.10	0.90
HPSP58A	58000	62530	59000	33800	9.60	10.00	7.68	3.10	2.10	1800	0.15	0.50
HPSP58H	58000	64710	58000	31500	10.10	12.00	8.40	3.30	2.20	1800	0.20	0.35
HPSP58L	58000	62140	60000	33900	9.50	9.90	7.32	3.00	2.10	1800	0.10	0.90
HPSP63A	63000	66900	60800	34300	9.60	10.00	7.32	3.00	2.00	1900	0.15	0.50
HPSP63H	63000	67260	58900	32100	9.70	10.50	7.32	3.00	2.00	1900	0.20	0.35
HPSP63L	63000	67190	59400	32600	9.50	9.90	7.32	3.00	2.00	1900	0.10	0.90
HPSP72A	72000		70600	38200	9.00		7.32	3.00	2.00	2400		0.50
HPSP72H	72000		71600	44400	9.50		7.68	3.10	2.00	2400		0.35
HPSP72L	72000		72000	35400	8.90		7.32	3.00	2.00	2400		0.90
HPSP90A	90000		90500	49300	9.00		7.32	3.00	2.00	2600		0.50
HPSP90H	90000		83400	54100	9.40		7.32	3.00	2.10	2600		0.35
HPSP90L	90000		88900	44400	8.90		7.32	3.00	2.00	2600		0.90

Table NF-11– ACM WATER LOOP EQUIPMENT LIBRARY

MODEL	COOLCAP	EER	HEATCAP	COP	CFM	FPI
WHP007A	7000	11.50	8050	4.00	230	0.50
WHP007H	7000	15.00	8050	4.50	230	0.35
WHP007L	7000	10.00	8050	3.80	230	0.85
WHP009A	9000	11.50	10350	4.00	300	0.50
WHP009H	9000	15.00	10350	4.50	300	0.35
WHP009L	9000	10.00	10350	3.80	300	0.85
WHP012A	12000	11.50	13800	4.00	400	0.50
WHP012H	12000	15.00	13800	4.50	400	0.35
WHP012L	12000	10.00	13800	3.80	400	0.85
WHP015A	15000	11.50	17250	4.00	500	0.50
WHP015H	15000	15.00	17250	4.50	500	0.35
WHP015L	15000	10.00	17250	3.80	500	0.85
WHP018A	18000	11.50	20700	4.00	600	0.50
WHP018H	18000	15.00	20700	4.50	600	0.35
WHP018L	18000	10.00	20700	3.80	600	0.85
WHP024A	24000	11.50	27600	4.00	800	0.50
WHP024H	24000	15.00	27600	4.50	800	0.35
WHP024L	24000	10.00	27600	3.80	800	0.85
WHP030A	30000	11.50	34500	4.00	1000	0.50
WHP030H	30000	15.00	34500	4.50	1000	0.35
WHP030L	30000	10.00	34500	3.80	1000	0.85
WHP036A	36000	11.50	41400	4.00	1200	0.50
WHP036H	36000	15.00	41400	4.50	1200	0.35
WHP036L	36000	10.00	41400	3.80	1200	0.85
WHP042A	42000	11.50	48300	4.00	1400	0.50
WHP042H	42000	15.00	48300	4.50	1400	0.35
WHP042L	42000	10.00	48300	3.80	1400	0.85
WHP048A	48000	11.50	55200	4.00	1600	0.50
WHP048H	48000	15.00	55200	4.50	1600	0.35
WHP048L	48000	10.00	55200	3.80	1600	0.85
WHP060A	60000	11.50	69000	4.00	2000	0.50
WHP060H	60000	15.00	69000	4.50	2000	0.35
WHP060L	60000	10.00	69000	3.80	2000	0.85
WHP072A	72000	11.50	82800	4.00	2400	0.50
WHP072H	72000	15.00	82800	4.50	2400	0.35
WHP072L	72000	10.50	82800	3.80	2400	0.85
WHP084A	84000	11.50	96600	4.00	2800	0.50
WHP084H	84000	15.00	96600	4.50	2800	0.35
WHP084L	84000	10.50	96600	3.80	2800	0.85
WHP096A	96000	11.50	110400	4.00	3200	0.50
WHP096H	96000	15.00	110400	4.50	3200	0.35
WHP096L	96000	10.50	110400	3.80	3200	0.85
WHP108A	108000	11.50	124200	4.00	3600	0.50
WHP108H	108000	15.00	124200	4.50	3600	0.35

MODEL	COOLCAP	EER	HEATCAP	COP	CFM	FPI
WHP108L	108000	10.50	124200	3.80	3600	0.85
WHP120A	120000	11.50	138000	4.00	4000	0.50
WHP120H	120000	15.00	138000	4.50	4000	0.35
WHP120L	120000	10.50	138000	3.80	4000	0.85
WHP132A	132000	11.50	151800	4.00	4400	0.50
WHP132H	132000	15.00	151800	4.50	4400	0.35
WHP132L	132000	10.50	151800	3.80	4400	0.85

Table NF-12– ACM EVAPORATIVE EQUIPMENT LIBRARY

Model	Cfm	IndirEff	DirEff	FPI	FPIsup	ACbackUp
EVAP1000AIB	1000	85		0.696	0.500	ACSP58A
EVAP1000AID	1000	85	78	0.696	0.500	
EVAP1000HIB	1000	85		0.546	0.240	ACSP58H
EVAP1000HID	1000	85	78	0.546	0.240	
EVAP1000LIB	1000	85		0.996	0.600	ACSP58L
EVAP1000LID	1000	85	78	0.996	0.600	
EVAP1300AIB	1300	85		0.696	0.500	ACSP63A
EVAP1300AID	1300	85	78	0.696	0.500	
EVAP1300HIB	1300	85		0.546	0.240	ACSP63H
EVAP1300HID	1300	85	78	0.546	0.240	
EVAP1300LIB	1300	85		0.996	0.600	ACSP63L
EVAP1300LID	1300	85	78	0.996	0.600	
EVAP1500AIB	1500	85		0.696	0.500	ACLP007A
EVAP1500AID	1500	85	78	0.696	0.500	
EVAP1500HIB	1500	85		0.546	0.240	ACLP007H
EVAP1500HID	1500	85	78	0.546	0.240	
EVAP1500LIB	1500	85		0.996	0.600	ACLP007L
EVAP1500LID	1500	85	78	0.996	0.600	
EVAP2000AIB	2000	85		0.696	0.500	ACLP007A
EVAP2000AID	2000	85	78	0.696	0.500	
EVAP2000HIB	2000	85		0.546	0.240	ACLP007H
EVAP2000HID	2000	85	78	0.546	0.240	
EVAP2000LIB	2000	85		0.996	0.600	ACLP007L
EVAP2000LID	2000	85	78	0.996	0.600	
EVAP2500AIB	2500	85		0.696	0.500	ACLP007A
EVAP2500AID	2500	85	78	0.696	0.500	
EVAP2500HIB	2500	85		0.546	0.240	ACLP007H
EVAP2500HID	2500	85	78	0.546	0.240	
EVAP2500LIB	2500	85		0.996	0.600	ACLP007L
EVAP2500LID	2500	85	78	0.996	0.600	

Table NF-13– ACM SYSTEM EQUIPMENT LIBRARY

MODEL	COOLCAP	HEATCAP	CFM	FPIcv	FPIvav
SYS0025A	25000	33929	893	0.50	1.00
SYS0025H	25000	33929	893	0.35	0.75
SYS0025L	25000	33929	893	0.90	1.35
SYS0038A	38000	51571	1357	0.50	1.00
SYS0038H	38000	51571	1357	0.35	0.75
SYS0038L	38000	51571	1357	0.90	1.35
SYS0050A	50000	67857	1786	0.50	1.00
SYS0050H	50000	67857	1786	0.35	0.75
SYS0050L	50000	67857	1786	0.90	1.35
SYS0063A	63000	85500	2250	0.50	1.00
SYS0063H	63000	85500	2250	0.35	0.75
SYS0063L	63000	85500	2250	0.90	1.35
SYS0075A	75000	101786	2679	0.50	1.00
SYS0075H	75000	101786	2679	0.35	0.75
SYS0075L	75000	101786	2679	0.90	1.35
SYS0088A	88000	119429	3143	0.50	1.00
SYS0088H	88000	119429	3143	0.35	0.75
SYS0088L	88000	119429	3143	0.90	1.35
SYS0100A	100000	135714	3571	0.50	1.00
SYS0100H	100000	135714	3571	0.35	0.75
SYS0100L	100000	135714	3571	0.90	1.35
SYS0125A	125000	169643	4464	0.50	1.00
SYS0125H	125000	169643	4464	0.35	0.75
SYS0125L	125000	169643	4464	0.90	1.35
SYS0188A	188000	255143	6714	0.50	1.00
SYS0188H	188000	255143	6714	0.35	0.75
SYS0188L	188000	255143	6714	0.90	1.35
SYS0250A	250000	339286	8929	0.50	1.00
SYS0250H	250000	339286	8929	0.35	0.75
SYS0250L	250000	339286	8929	0.90	1.35
SYS0380A	380000	515714	13571	0.50	1.00
SYS0380H	380000	515714	13571	0.35	0.75
SYS0380L	380000	515714	13571	0.90	1.35
SYS0500A	500000	678571	17857	0.50	1.00
SYS0500H	500000	678571	17857	0.35	0.75
SYS0500L	500000	678571	17857	0.90	1.35
SYS0625A	625000	848214	22321	0.50	1.00
SYS0625H	625000	848214	22321	0.35	0.75
SYS0625L	625000	848214	22321	0.90	1.35
SYS0750A	750000	1017857	26786	0.50	1.00
SYS0750H	750000	1017857	26786	0.35	0.75
SYS0750L	750000	1017857	26786	0.90	1.35
SYS1000A	1000000	1357143	33000	0.50	1.00
SYS1000H	1000000	1357143	33000	0.35	0.75

MODEL	COOLCAP	HEATCAP	CFM	FPIcv	FPIvav
SYS1000L	1000000	1357143	33000	0.90	1.35

Table NF-14– ACM ELECTRICAL CHILLER LIBRARY

Model	CoolCap	COP
COOL0180A	180000	4.00
COOL0180H	180000	4.20
COOL0180L	180000	3.80
COOL0240A	240000	4.00
COOL0240H	240000	4.20
COOL0240L	240000	3.80
COOL0300A	300000	4.00
COOL0300H	300000	4.20
COOL0300L	300000	3.80
COOL0360A	360000	4.00
COOL0360H	360000	4.20
COOL0360L	360000	3.80
COOL0480A	480000	4.00
COOL0480H	480000	4.20
COOL0480L	480000	3.80
COOL0900A	900000	4.00
COOL0900H	900000	4.20
COOL0900L	900000	3.80
COOL1200A	1200000	4.00
COOL1200H	1200000	4.20
COOL1200L	1200000	3.80
COOL1800A	1800000	4.40
COOL1800H	1800000	4.60
COOL1800L	1800000	4.20
COOL2100A	2100000	4.40
COOL2100H	2100000	4.60
COOL2100L	2100000	4.20
COOL2400A	2400000	4.40
COOL2400H	2400000	4.60
COOL2400L	2400000	4.20
COOL3000A	3000000	4.40
COOL3000H	3000000	4.60
COOL3000L	3000000	4.20
COOL3600A	3600000	5.60
COOL3600H	3600000	5.80
COOL3600L	3600000	5.20
COOL4200A	4200000	5.60
COOL4200H	4200000	5.80
COOL4200L	4200000	5.20

Table NF-15– ACM ABSORPTION CHILLER LIBRARY

Model	Cooling Capacity	HIR	EIR
ABSOR10180A	180000	1.60	0.0040
ABSOR10180H	180000	1.55	0.0035
ABSOR10180L	180000	1.65	0.0045
ABSOR10240A	240000	1.60	0.0040
ABSOR10240H	240000	1.55	0.0035
ABSOR10240L	240000	1.65	0.0045
ABSOR10300A	300000	1.60	0.0040
ABSOR10300H	300000	1.55	0.0035
ABSOR10300L	300000	1.65	0.0045
ABSOR10360A	360000	1.60	0.0040
ABSOR10360H	360000	1.55	0.0035
ABSOR10360L	360000	1.65	0.0045
ABSOR10480A	480000	1.60	0.0040
ABSOR10480H	480000	1.55	0.0035
ABSOR10480L	480000	1.65	0.0045
ABSOR10900A	900000	1.60	0.0040
ABSOR10900H	900000	1.55	0.0035
ABSOR10900L	900000	1.65	0.0045
ABSOR11200A	1200000	1.60	0.0040
ABSOR11200H	1200000	1.65	0.0035
ABSOR11200L	1200000	1.55	0.0045
ABSOR11800A	1800000	1.60	0.0040
ABSOR11800H	1800000	1.55	0.0035
ABSOR11800L	1800000	1.65	0.0045
ABSOR12100A	2100000	1.60	0.0040
ABSOR12100H	2100000	1.55	0.0035
ABSOR12100L	2100000	1.65	0.0045
ABSOR12400A	2400000	1.60	0.0040
ABSOR12400H	2400000	1.55	0.0035
ABSOR12400L	2400000	1.65	0.0045
ABSOR13000A	3000000	1.60	0.0040
ABSOR13000H	3000000	1.55	0.0035
ABSOR13000L	3000000	1.65	0.0045
ABSOR13600A	3600000	1.60	0.0040
ABSOR13600H	3600000	1.55	0.0035
ABSOR13600L	3600000	1.65	0.0045
ABSOR14200A	4200000	1.60	0.0040
ABSOR14200H	4200000	1.55	0.0035
ABSOR14200L	4200000	1.65	0.0045
ABSOR20180A	180000	1.00	0.0070
ABSOR20180H	180000	1.00	0.0065
ABSOR20180L	180000	1.00	0.0075
ABSOR20240A	240000	1.00	0.0070
ABSOR20240H	240000	1.00	0.0065

Model	Cooling Capacity	HIR	EIR
ABSOR20240L	240000	1.00	0.0075
ABSOR20360A	360000	1.00	0.0070
ABSOR20360H	360000	1.00	0.0065
ABSOR20360L	360000	1.00	0.0075
ABSOR20480A	480000	1.00	0.0070
ABSOR20480H	480000	1.00	0.0065
ABSOR20480L	480000	1.00	0.0075
ABSOR20900A	900000	1.00	0.0070
ABSOR20900H	900000	1.00	0.0065
ABSOR20900L	900000	1.00	0.0075
ABSOR21200A	1200000	1.00	0.0070
ABSOR21200H	1200000	1.00	0.0065
ABSOR21200L	1200000	1.00	0.0075
ABSOR21800A	1800000	1.00	0.0070
ABSOR21800H	1800000	1.00	0.0065
ABSOR21800L	1800000	1.00	0.0075
ABSOR22100A	2100000	1.00	0.0070
ABSOR22100H	2100000	1.00	0.0065
ABSOR22100L	2100000	1.00	0.0075
ABSOR22400A	2400000	1.00	0.0070
ABSOR22400H	2400000	1.00	0.0065
ABSOR22400L	2400000	1.00	0.0075
ABSOR23000A	3000000	1.00	0.0070
ABSOR23000H	3000000	1.00	0.0065
ABSOR23000L	3000000	1.00	0.0075
ABSOR23600A	3600000	1.00	0.0070
ABSOR23600H	3600000	1.00	0.0065
ABSOR23600L	3600000	1.00	0.0075
ABSOR24200A	4200000	1.00	0.0070
ABSOR24200H	4200000	1.00	0.0065
ABSOR24200L	4200000	1.00	0.0075
ABSORG0180A	180000	1.00	0.0071
ABSORG0180H	180000	1.00	0.0066
ABSORG0180L	180000	1.00	0.0076
ABSORG0240A	240000	1.00	0.0071
ABSORG0240H	240000	1.00	0.0066
ABSORG0240L	240000	1.00	0.0076
ABSORG0360A	360000	1.00	0.0071
ABSORG0360H	360000	1.00	0.0066
ABSORG0360L	360000	1.00	0.0076
ABSORG0480A	480000	1.00	0.0071
ABSORG0480H	480000	1.00	0.0066
ABSORG0480L	480000	1.00	0.0076
ABSORG0900A	900000	1.00	0.0071
ABSORG0900H	900000	1.00	0.0066
ABSORG0900L	900000	1.00	0.0076

Model	Cooling Capacity	HIR	EIR
ABSORG1200A	1200000	1.00	0.0071
ABSORG1200H	1200000	1.00	0.0066
ABSORG1200L	1200000	1.00	0.0076
ABSORG1800A	1800000	1.00	0.0071
ABSORG1800H	1800000	1.00	0.0066
ABSORG1800L	1800000	1.00	0.0076
ABSORG2100A	2100000	1.00	0.0071
ABSORG2100H	2100000	1.00	0.0066
ABSORG2100L	2100000	1.00	0.0076
ABSORG2400A	2400000	1.00	0.0071
ABSORG2400H	2400000	1.00	0.0066
ABSORG2400L	2400000	1.00	0.0076
ABSORG3000A	3000000	1.00	0.0071
ABSORG3000H	3000000	1.00	0.0066
ABSORG3000L	3000000	1.00	0.0076
ABSORG3600A	3600000	1.00	0.0071
ABSORG3600H	3600000	1.00	0.0066
ABSORG3600L	3600000	1.00	0.0076
ABSORG4200A	4200000	1.00	0.0071
ABSORG4200H	4200000	1.00	0.0066
ABSORG4200L	4200000	1.00	0.0076

Table NF-16– ACM TOWER LIBRARY

Model	CoolCap
TOWER0220	220000
TOWER0260	260000
TOWER0330	330000
TOWER0390	390000
TOWER0500	500000
TOWER0930	930000
TOWER1250	1250000
TOWER1870	1870000
TOWER2160	2160000
TOWER2480	2480000
TOWER3100	3100000
TOWER3700	3700000
TOWER4300	4300000

Table NF-17– ACM BOILER LIBRARY

Model	Size	Afue
BOILER00100A	100000	82
BOILER00100H	100000	84
BOILER00100L	100000	80
BOILER00250A	250000	82
BOILER00250H	250000	84
BOILER00250L	250000	80
BOILER00500A	500000	82
BOILER00500H	500000	84
BOILER00500L	500000	80
BOILER00750A	750000	82
BOILER00750H	750000	84
BOILER00750L	750000	80
BOILER01000A	1000000	82
BOILER01000H	1000000	84
BOILER01000L	1000000	80
BOILER01500A	1500000	82
BOILER01500H	1500000	84
BOILER01500L	1500000	80
BOILER02000A	2000000	82
BOILER02000H	2000000	84
BOILER02000L	2000000	80
BOILER02500A	2500000	82
BOILER02500H	2500000	84
BOILER02500L	2500000	80
BOILER03000A	3000000	82
BOILER03000H	3000000	84
BOILER03000L	3000000	80

Table NF-18– ACM VAV BOX SELECTED

Test	System	Zone	Model
A12B13	SYS-1	EAST1	VAV900A
A12B13	SYS-1	EAST2	VAV1200A
A12B13	SYS-1	NORTH1	VAV900A
A12B13	SYS-1	NORTH2	VAV900A
A12B13	SYS-1	SOUTH1	VAV1500A
A12B13	SYS-1	SOUTH2	VAV1500A
A12B13	SYS-1	WEST1	VAV1200A
A12B13	SYS-1	WEST2	VAV1200A
A13B06	SYS-1	EAST1	VAV900A
A13B06	SYS-1	EAST2	VAV1200A
A13B06	SYS-1	NORTH1	VAV600A
A13B06	SYS-1	NORTH2	VAV900A
A13B06	SYS-1	SOUTH1	VAV1200A
A13B06	SYS-1	SOUTH2	VAV1500A
A13B06	SYS-1	WEST1	VAV1200A
A13B06	SYS-1	WEST2	VAV1200A
A14B16	SYS-1	EAST1	VAV900A
A14B16	SYS-1	EAST2	VAV900A
A14B16	SYS-1	NORTH1	VAV600A
A14B16	SYS-1	NORTH2	VAV900A
A14B16	SYS-1	SOUTH1	VAV1200A
A14B16	SYS-1	SOUTH2	VAV1500A
A14B16	SYS-1	WEST1	VAV900A
A14B16	SYS-1	WEST2	VAV1200A
A17B16	SYS-1	EAST1	VAV900A
A17B16	SYS-1	EAST2	VAV900A
A17B16	SYS-1	NORTH1	VAV600A
A17B16	SYS-1	NORTH2	VAV600A
A17B16	SYS-1	SOUTH1	VAV900A
A17B16	SYS-1	SOUTH2	VAV900A
A17B16	SYS-1	WEST1	VAV900A
A17B16	SYS-1	WEST2	VAV900A
B11B13	SYS-1	EAST1	VAV1500L
B11B13	SYS-1	EAST2	VAV2000L
B11B13	SYS-1	NORTH1	VAV1200L
B11B13	SYS-1	NORTH2	VAV1200L
B11B13	SYS-1	SOUTH1	VAV2000L
B11B13	SYS-1	SOUTH2	VAV2000L
B11B13	SYS-1	WEST1	VAV2000L
B11B13	SYS-1	WEST2	VAV2000L
B12B13	SYS-1	EAST1	VAV2000L
B12B13	SYS-1	EAST2	VAV2000L
B12B13	SYS-1	NORTH1	VAV1200L
B12B13	SYS-1	NORTH2	VAV1500L

Test	System	Zone	Model
B12B13	SYS-1	SOUTH1	VAV2000L
B12B13	SYS-1	SOUTH2	VAV2500L
B12B13	SYS-1	WEST1	VAV2000L
B12B13	SYS-1	WEST2	VAV2000L
B13B13	SYS-1	EAST1	VAV2000L
B13B13	SYS-1	EAST2	VAV2000L
B13B13	SYS-1	NORTH1	VAV1200L
B13B13	SYS-1	NORTH2	VAV1200L
B13B13	SYS-1	SOUTH1	VAV2500L
B13B13	SYS-1	SOUTH2	VAV2500L
B13B13	SYS-1	WEST1	VAV2000L
B13B13	SYS-1	WEST2	VAV2500L
B14B06	SYS-1	EAST1	VAV2000H
B14B06	SYS-1	EAST2	VAV2000H
B14B06	SYS-1	NORTH1	VAV1200H
B14B06	SYS-1	NORTH2	VAV1200H
B14B06	SYS-1	SOUTH1	VAV2000H
B14B06	SYS-1	SOUTH2	VAV2500H
B14B06	SYS-1	WEST1	VAV2000H
B14B06	SYS-1	WEST2	VAV2000H
B15B16	SYS-1	EAST1	VAV2000H
B15B16	SYS-1	EAST2	VAV2000H
B15B16	SYS-1	NORTH1	VAV900H
B15B16	SYS-1	NORTH2	VAV1200H
B15B16	SYS-1	SOUTH1	VAV2000H
B15B16	SYS-1	SOUTH2	VAV2500H
B15B16	SYS-1	WEST1	VAV2000H
B15B16	SYS-1	WEST2	VAV2500H
B21B12	SYS-1	EAST1	VAV1500A
B21B12	SYS-1	EAST2	VAV1500A
B21B12	SYS-1	NORTH1	VAV1200A
B21B12	SYS-1	NORTH2	VAV1200A
B21B12	SYS-1	SOUTH1	VAV1500A
B21B12	SYS-1	SOUTH2	VAV2000A
B21B12	SYS-1	WEST1	VAV2000A
B21B12	SYS-1	WEST2	VAV2000A
B22B12	SYS-1	EAST1	VAV1200A
B22B12	SYS-1	EAST2	VAV1200A
B22B12	SYS-1	NORTH1	VAV1200A
B22B12	SYS-1	NORTH2	VAV1200A
B22B12	SYS-1	SOUTH1	VAV1500A
B22B12	SYS-1	SOUTH2	VAV1500A
B22B12	SYS-1	WEST1	VAV1500A
B22B12	SYS-1	WEST2	VAV1500A
B23B12	SYS-1	EAST1	VAV1200A
B23B12	SYS-1	EAST2	VAV1200A

Test	System	Zone	Model
B23B12	SYS-1	NORTH1	VAV900A
B23B12	SYS-1	NORTH2	VAV1200A
B23B12	SYS-1	SOUTH1	VAV1500A
B23B12	SYS-1	SOUTH2	VAV1500A
B23B12	SYS-1	WEST1	VAV1500A
B23B12	SYS-1	WEST2	VAV1500A
B24B03	SYS-1	EAST1	VAV1200A
B24B03	SYS-1	EAST2	VAV1200A
B24B03	SYS-1	NORTH1	VAV900A
B24B03	SYS-1	NORTH2	VAV900A
B24B03	SYS-1	SOUTH1	VAV1200A
B24B03	SYS-1	SOUTH2	VAV1200A
B24B03	SYS-1	WEST1	VAV1200A
B24B03	SYS-1	WEST2	VAV1500A
C21B10	SYS-1	EAST2	VAV2000A
C21B10	SYS-1	NORTH1	VAV1500A
C21B10	SYS-1	NORTH2	VAV1200A
C21B10	SYS-1	SOUTH1	VAV2500A
C21B10	SYS-1	SOUTH2	VAV2500A
C21B10	SYS-1	WEST2	VAV2000A
C21B10	SYS-2	INT1	VAV600A
C21B10	SYS-2	INT2	VAV900A
C22C16	SYS-1	ZONE1E	VAV1500A
C22C16	SYS-1	ZONE1I	VAV900A
C22C16	SYS-1	ZONE1N	VAV1200A
C22C16	SYS-1	ZONE1S	VAV1500A
C22C16	SYS-1	ZONE3I	VAV900A
C22C16	SYS-1	ZONE3S	VAV1200A
C22C16	SYS-2	ZONE1W	VAV1500A
C22C16	SYS-2	ZONE3E	VAV2000A
C22C16	SYS-2	ZONE3N	VAV1200A
C22C16	SYS-2	ZONE3W	VAV2000A
E21B16	SYS-1	EAST1	VAV1200A
E21B16	SYS-1	EAST2	VAV1200A
E21B16	SYS-1	INT1	VAV900A
E21B16	SYS-1	INT2	VAV900A
E21B16	SYS-1	NORTH1	VAV600A
E21B16	SYS-1	NORTH2	VAV900A
E21B16	SYS-1	SOUTH1	VAV1500A
E21B16	SYS-1	SOUTH2	VAV1500A
E21B16	SYS-1	WEST1	VAV1200A
E21B16	SYS-1	WEST2	VAV1200A
E22B16	SYS-1	EAST1	VAV1200A
E22B16	SYS-1	EAST2	VAV1200A
E22B16	SYS-1	INT1	VAV900A
E22B16	SYS-1	INT2	VAV900A

Test	System	Zone	Model
E22B16	SYS-1	NORTH1	VAV900A
E22B16	SYS-1	NORTH2	VAV900A
E22B16	SYS-1	SOUTH1	VAV1500A
E22B16	SYS-1	SOUTH2	VAV1500A
E22B16	SYS-1	WEST1	VAV1200A
E22B16	SYS-1	WEST2	VAV1500A
E23B16	SYS-1	EAST1	VAV1200A
E23B16	SYS-1	EAST2	VAV1200A
E23B16	SYS-1	INT1	VAV900A
E23B16	SYS-1	INT2	VAV1200A
E23B16	SYS-1	NORTH1	VAV900A
E23B16	SYS-1	NORTH2	VAV900A
E23B16	SYS-1	SOUTH1	VAV1500A
E23B16	SYS-1	SOUTH2	VAV1500A
E23B16	SYS-1	WEST1	VAV1500A
E23B16	SYS-1	WEST2	VAV1500A
E24B12	SYS-1	EAST1	VAV1200H
E24B12	SYS-1	EAST2	VAV1200H
E24B12	SYS-1	INT1	VAV900H
E24B12	SYS-1	INT2	VAV900H
E24B12	SYS-1	NORTH1	VAV900H
E24B12	SYS-1	NORTH2	VAV900H
E24B12	SYS-1	SOUTH1	VAV2000H
E24B12	SYS-1	SOUTH2	VAV2000H
E24B12	SYS-1	WEST1	VAV1500H
E24B12	SYS-1	WEST2	VAV2000H
E25B12	SYS-1	EAST1	VAV1200H
E25B12	SYS-1	EAST2	VAV1500H
E25B12	SYS-1	INT1	VAV900H
E25B12	SYS-1	INT2	VAV900H
E25B12	SYS-1	NORTH1	VAV900H
E25B12	SYS-1	NORTH2	VAV1200H
E25B12	SYS-1	SOUTH1	VAV2000H
E25B12	SYS-1	SOUTH2	VAV2000H
E25B12	SYS-1	WEST1	VAV1500H
E25B12	SYS-1	WEST2	VAV2000H
E26B12	SYS-1	EAST1	VAV1500H
E26B12	SYS-1	EAST2	VAV1500H
E26B12	SYS-1	INT1	VAV900H
E26B12	SYS-1	INT2	VAV1200H
E26B12	SYS-1	NORTH1	VAV1200H
E26B12	SYS-1	NORTH2	VAV1200H
E26B12	SYS-1	SOUTH1	VAV2000H
E26B12	SYS-1	SOUTH2	VAV2000H
E26B12	SYS-1	WEST1	VAV1500H
E26B12	SYS-1	WEST2	VAV2000H

Test	System	Zone	Model
F13B12	SYS-1	EAST1	VAV2000H
F13B12	SYS-1	EAST2	VAV2000H
F13B12	SYS-1	NORTH1	VAV1200H
F13B12	SYS-1	NORTH2	VAV1500H
F13B12	SYS-1	SOUTH1	VAV2000H
F13B12	SYS-1	SOUTH2	VAV2500H
F13B12	SYS-1	WEST1	VAV2000H
F13B12	SYS-1	WEST2	VAV2000H
F14B12	SYS-1	EAST1	VAV1500H
F14B12	SYS-1	EAST2	VAV2000H
F14B12	SYS-1	NORTH1	VAV1200H
F14B12	SYS-1	NORTH2	VAV1200H
F14B12	SYS-1	SOUTH1	VAV2000H
F14B12	SYS-1	SOUTH2	VAV2000H
F14B12	SYS-1	WEST1	VAV2000H
F14B12	SYS-1	WEST2	VAV2000H
G15B03	SYS-1	EAST1	VAV3000A
G15B03	SYS-1	EAST2	VAV3500A
G15B03	SYS-1	NORTH1	VAV2000A
G15B03	SYS-1	NORTH2	VAV2000A
G15B03	SYS-1	SOUTH1	VAV3500A
G15B03	SYS-1	SOUTH2	VAV4000A
G15B03	SYS-1	WEST1	VAV3500A
G15B03	SYS-1	WEST2	VAV3500A
G15B03	SYS-2	INT1	VAV300A
G15B03	SYS-2	INT2	VAV450A
G16B16	SYS-1	EAST1	VAV600A
G16B16	SYS-1	EAST2	VAV900A
G16B16	SYS-1	NORTH1	VAV450A
G16B16	SYS-1	NORTH2	VAV450A
G16B16	SYS-1	SOUTH1	VAV900A
G16B16	SYS-1	SOUTH2	VAV900A
G16B16	SYS-1	WEST1	VAV900A
G16B16	SYS-1	WEST2	VAV900A
G16B16	SYS-2	INT1	VAV1200A
G16B16	SYS-2	INT2	VAV1500A
O21B13	SYS-1	EAST1	VAV2000A
O21B13	SYS-1	EAST2	VAV2000A
O21B13	SYS-1	INT1	VAV900A
O21B13	SYS-1	INT2	VAV1200A
O21B13	SYS-1	NORTH1	VAV1200A
O21B13	SYS-1	NORTH2	VAV1500A
O21B13	SYS-1	SOUTH1	VAV2000A
O21B13	SYS-1	SOUTH2	VAV2500A
O21B13	SYS-1	WEST1	VAV2000A
O21B13	SYS-1	WEST2	VAV2000A

Test	System	Zone	Model
O22B13	SYS-1	EAST1	VAV2000A
O22B13	SYS-1	EAST2	VAV2000A
O22B13	SYS-1	INT1	VAV900A
O22B13	SYS-1	INT2	VAV1200A
O22B13	SYS-1	NORTH1	VAV1200A
O22B13	SYS-1	NORTH2	VAV1500A
O22B13	SYS-1	SOUTH1	VAV2000A
O22B13	SYS-1	SOUTH2	VAV2500A
O22B13	SYS-1	WEST1	VAV2000A
O22B13	SYS-1	WEST2	VAV2000A
O23B13	SYS-1	EAST1	VAV2000A
O23B13	SYS-1	EAST2	VAV2000A
O23B13	SYS-1	INT1	VAV900A
O23B13	SYS-1	INT2	VAV1200A
O23B13	SYS-1	NORTH1	VAV1200A
O23B13	SYS-1	NORTH2	VAV1500A
O23B13	SYS-1	SOUTH1	VAV2000A
O23B13	SYS-1	SOUTH2	VAV2500A
O23B13	SYS-1	WEST1	VAV2000A
O23B13	SYS-1	WEST2	VAV2000A
O24B13	SYS-1	EAST1	VAV2000A
O24B13	SYS-1	EAST2	VAV2000A
O24B13	SYS-1	INT1	VAV900A
O24B13	SYS-1	INT2	VAV1200A
O24B13	SYS-1	NORTH1	VAV1200A
O24B13	SYS-1	NORTH2	VAV1500A
O24B13	SYS-1	SOUTH1	VAV2000A
O24B13	SYS-1	SOUTH2	VAV2500A
O24B13	SYS-1	WEST1	VAV2000A
O24B13	SYS-1	WEST2	VAV2000A
O41B13	SYS-1	EAST1	VAV2000L
O41B13	SYS-1	EAST2	VAV2000L
O41B13	SYS-1	INT1	VAV900L
O41B13	SYS-1	INT2	VAV1200L
O41B13	SYS-1	NORTH1	VAV1200L
O41B13	SYS-1	NORTH2	VAV1500L
O41B13	SYS-1	SOUTH1	VAV2000L
O41B13	SYS-1	SOUTH2	VAV2500L
O41B13	SYS-1	WEST1	VAV2000L
O41B13	SYS-1	WEST2	VAV2000L
O61B11	SYS-1	EAST1	VAV2000A
O61B11	SYS-1	EAST2	VAV2000A
O61B11	SYS-1	INT1	VAV900A
O61B11	SYS-1	INT2	VAV1200A
O61B11	SYS-1	NORTH1	VAV1200A
O61B11	SYS-1	NORTH2	VAV1500A

Test	System	Zone	Model
O61B11	SYS-1	SOUTH1	VAV2000A
O61B11	SYS-1	SOUTH2	VAV2500A
O61B11	SYS-1	WEST1	VAV2000A
O61B11	SYS-1	WEST2	VAV2000A
O62B11	SYS-1	EAST1	VAV2000A
O62B11	SYS-1	EAST2	VAV2000A
O62B11	SYS-1	INT1	VAV900A
O62B11	SYS-1	INT2	VAV1200A
O62B11	SYS-1	NORTH1	VAV1200A
O62B11	SYS-1	NORTH2	VAV1500A
O62B11	SYS-1	SOUTH1	VAV2000A
O62B11	SYS-1	SOUTH2	VAV2500A
O62B11	SYS-1	WEST1	VAV2000A
O62B11	SYS-1	WEST2	VAV2000A
O63B11	SYS-1	EAST1	VAV2000A
O63B11	SYS-1	EAST2	VAV2000A
O63B11	SYS-1	INT1	VAV900A
O63B11	SYS-1	INT2	VAV1200A
O63B11	SYS-1	NORTH1	VAV1200A
O63B11	SYS-1	NORTH2	VAV1500A
O63B11	SYS-1	SOUTH1	VAV2000A
O63B11	SYS-1	SOUTH2	VAV2500A
O63B11	SYS-1	WEST1	VAV2000A
O63B11	SYS-1	WEST2	VAV2000A
O64B11	SYS-1	EAST1	VAV2000A
O64B11	SYS-1	EAST2	VAV2000A
O64B11	SYS-1	INT1	VAV900A
O64B11	SYS-1	INT2	VAV1200A
O64B11	SYS-1	NORTH1	VAV1200A
O64B11	SYS-1	NORTH2	VAV1500A
O64B11	SYS-1	SOUTH1	VAV2000A
O64B11	SYS-1	SOUTH2	VAV2500A
O64B11	SYS-1	WEST1	VAV2000A
O64B11	SYS-1	WEST2	VAV2000A
O65B11	SYS-1	EAST1	VAV2000A
O65B11	SYS-1	EAST2	VAV2000A
O65B11	SYS-1	INT1	VAV900A
O65B11	SYS-1	INT2	VAV1200A
O65B11	SYS-1	NORTH1	VAV1200A
O65B11	SYS-1	NORTH2	VAV1500A
O65B11	SYS-1	SOUTH1	VAV2000A
O65B11	SYS-1	SOUTH2	VAV2500A
O65B11	SYS-1	WEST1	VAV2000A
O65B11	SYS-1	WEST2	VAV2000A
O66B12	SYS-1	EAST1	VAV2000A
O66B12	SYS-1	EAST2	VAV2000A

Test	System	Zone	Model
O66B12	SYS-1	INT1	VAV900A
O66B12	SYS-1	INT2	VAV1200A
O66B12	SYS-1	NORTH1	VAV1200A
O66B12	SYS-1	NORTH2	VAV1500A
O66B12	SYS-1	SOUTH1	VAV2000A
O66B12	SYS-1	SOUTH2	VAV2500A
O66B12	SYS-1	WEST1	VAV2000A
O66B12	SYS-1	WEST2	VAV2000A

Table NF-19 – ACM PACKAGE UNITS SELECTED

Test	System	Model
A11B13	SYS-1	ACSP34L
A11B13	SYS-2	ACSP34L
A11B13	SYS-3	ACSP34L
A11B13	SYS-4	ACSP34L
A11B13	SYS-5	ACSP34L
A11B13	SYS-6	ACSP34L
A11B13	SYS-7	ACSP34L
A11B13	SYS-8	ACSP34L
A12B13	SYS-1	ACLP025A
A13B06	SYS-1	ACLP020A
A14B16	SYS-1	ACLP020A
A15B03	SYS-1	ACSP28L
A15B03	SYS-2	ACSP28L
A15B03	SYS-3	ACSP28L
A15B03	SYS-4	ACSP28L
A15B03	SYS-5	ACSP28L
A15B03	SYS-6	ACSP28L
A15B03	SYS-7	ACSP28L
A15B03	SYS-8	ACSP28L
A16B13	SYS-1	ACSP28L
A16B13	SYS-2	ACSP28L
A16B13	SYS-3	ACSP28L
A16B13	SYS-4	ACSP28L
A16B13	SYS-5	ACSP28L
A16B13	SYS-6	ACSP28L
A16B13	SYS-7	ACSP28L
A16B13	SYS-8	ACSP28L
A17B16	SYS-1	ACLP015A
B11B13	SYS-1	ACLP040L
B12B13	SYS-1	ACLP040L
B13B13	SYS-1	ACLP040L
B14B06	SYS-1	ACLP040H
B15B16	SYS-1	ACLP040H
B21B12	SYS-1	ACLP030A
B22B12	SYS-1	ACLP025A
B23B12	SYS-1	ACLP030A
B24B03	SYS-1	ACLP025A
B31D12	SYS-1	ACLP007A
B32D12	SYS-1	ACLP007A
C11A10	SYS-1	ACLP015A
C12A10	SYS-1	ACLP015A
C13A10	SYS-1	ACLP025A
C14A10	SYS-1	ACLP010A
C15A10	SYS-1	ACLP010A

Test	System	Model
C21B10	SYS-1	ACLP030A
C21B10	SYS-2	ACSP46A
C21B10	SYS-3	HEAT045A
C21B10	SYS-4	HEAT063A
D11D12	SYS-1	ACSP63A
D12D12	SYS-1	ACSP63A
D13D07	SYS-1	ACSP52A
D14D07	SYS-1	ACSP52A
E11D16	SYS-1	ACSP22A
E12D16	SYS-1	ACSP28A
E13D16	SYS-1	ACSP28A
E14D14	SYS-1	ACSP40A
E15D14	SYS-1	ACSP40A
E16D14	SYS-1	ACSP52A
E21B16	SYS-1	ACLP025A
E22B16	SYS-1	ACLP030A
E23B16	SYS-1	ACLP030A
E24B12	SYS-1	ACLP030H
E25B12	SYS-1	ACLP040H
E26B12	SYS-1	ACLP040H
F13B12	SYS-1	ACLP040H
F14B12	SYS-1	ACLP040H
G11A11	SYS-1	ACLP025A
G12A11	SYS-1	ACLP007A
G15B03	SYS-1	ACLP015A
G15B03	SYS-2	ACLP007A
G16B16	SYS-1	ACLP060A
G16B16	SYS-2	ACSP22A
O31A12	SYS-1	ACLP015A
O32A12	SYS-1	ACLP010H
O33A12	SYS-1	ACLP010H
O41B13	SYS-1	ACLP040L
O81A11	SYS-1	ACLP015A
O82A15	SYS-1	ACLP015A
OC1A09	SYS-1	NOHVAC
OC2A09	SYS-1	NOHVAC
OC3A09	SYS-1	ACLP015H
OC4A09	SYS-1	ACLP010A
OC4A09	SYS-2	ACLP010A

Table NF-20 – ACM WATER LOOP HEAT PUMP SELECTED

Test	System	Zone	Model
O71B12	SYS-1	EAST1	WHP060A
O71B12	SYS-1	EAST2	WHP060A
O71B12	SYS-1	INT1	WHP036A
O71B12	SYS-1	INT2	WHP042A
O71B12	SYS-1	NORTH1	WHP042A
O71B12	SYS-1	NORTH2	WHP042A
O71B12	SYS-1	SOUTH1	WHP072A
O71B12	SYS-1	SOUTH2	WHP072A
O71B12	SYS-1	WEST1	WHP060A
O71B12	SYS-1	WEST2	WHP072A

Table NF-21 – ACM EVAPORATIVE COOLING EQUIPMENT SELECTED

Test	System	Model
O91A13	SYS-1	EVAP2500AIB
O92A11	SYS-1	EVAP2500AID
O93A11	SYS-1	EVAP2500AID
O94A13	SYS-1	EVAP2500AID

Table NF-22 – FAN COIL UNITS SELECTED

Test	System	Zone	Model
C22C16	SYS-3	ZONE2E	FC035A
C22C16	SYS-3	ZONE2I	FC013A
C22C16	SYS-3	ZONE2N	FC021A
C22C16	SYS-3	ZONE2S	FC056A
C22C16	SYS-3	ZONE2W	FC042A

Table NF-23 – ACM HEAT PUMP EQUIPMENT SELECTED

Test	System	Model
F11A07	SYS-1	HPSP126H
F12A13	SYS-1	HPSP162A
G13A11	SYS-1	HPSP222H
G14A11	SYS-1	HPSP90A

Table NF-24 – ACM SYSTEM EQUIPMENT SELECTED

Test	System	Model
C22C16	SYS-1	SYS0250A
C22C16	SYS-2	SYS0250A
O21B13	SYS-1	SYS0500A
O22B13	SYS-1	SYS0500A
O23B13	SYS-1	SYS0500A
O24B13	SYS-1	SYS0500A
O61B11	SYS-1	SYS0625A
O62B11	SYS-1	SYS0625A
O63B11	SYS-1	SYS0625A
O64B11	SYS-1	SYS0625A
O65B11	SYS-1	SYS0625A
O66B12	SYS-1	SYS0500A

Table NF-25 – ACM CENTRAL COOLING EQUIPMENT SELECTED

Test	Model
C22C16	COOL0900A
C22C16	TOWER0930
O21B13	COOL0480A
O21B13	TOWER0930
O22B13	COOL0480A
O22B13	TOWER0930
O23B13	COOL0480A
O23B13	TOWER0930
O24B13	COOL0480A
O24B13	TOWER0930
O61B11	ABSOR10480A
O61B11	TOWER1250
O62B11	ABSOR20480A
O62B11	TOWER0930
O63B11	ABSORG0480A
O63B11	TOWER0930
O64B11	COOL0480A
O64B11	TOWER0930
O65B11	COOL0480A
O65B11	TOWER0930
O66B12	COOL0480A
O66B12	TOWER0930
O71B12	TOWER0220
O71B12	TOWER0930
O71B12	TOWER4300

Table NF-26 – ACM BOILER SELECTION

Test	Model
A12B13	BOILER00250A
A13B06	BOILER00250A
A14B16	BOILER00250A
A17B16	BOILER00250A
B11B13	BOILER00500L
B12B13	BOILER00500L
B13B13	BOILER00500L
B14B06	BOILER00250H
B15B16	BOILER00250H
B21B12	BOILER00250A
B22B12	BOILER00250A
B23B12	BOILER00250A
B24B03	BOILER00250A
C21B10	NOBOILER
C22C16	BOILER01000A
E21B16	BOILER00250A
E22B16	BOILER00250A
E23B16	BOILER00500A
E24B12	BOILER00250H
E25B12	BOILER00250H
E26B12	BOILER00250H
F13B12	NOBOILER
F14B12	NOBOILER
G15B03	NOBOILER
G16B16	NOBOILER
O21B13	BOILER00500A
O22B13	BOILER00500A
O23B13	BOILER00500A
O24B13	BOILER00500A
O41B13	BOILER00500L
O61B11	BOILER01500A
O62B11	BOILER00750A
O63B11	BOILER00500A
O64B11	BOILER00500A
O65B11	BOILER00500A
O66B12	BOILER00500A
O71B12	BOILER00500A