

EXHAUST FAN SCHEDULE									
SYM.	TYPE	C.F.M.	S.P.E.	WATTS	CHAR.	R.P.M.	CONTROL	REMARKS	
EF 1	CEILING MOUNTED	300	.25"	212	120/60/1	905	WITH LIGHTS	TWIN CITY MODEL T300 WITH CEILING GRILLE AND 8"Ø DUCT TO MODEL 643 WALL CAP	
EF 2	CEILING MOUNTED	450	.25"	232	120/60/1	810	WITH LIGHTS	TWIN CITY MODEL T500 WITH CEILING GRILLE AND 10"Ø DUCT TO MODEL 613 WALL CAP.	
EF 3	CEILING MOUNTED	450	.25"	232	120/60/1	810	WITH LIGHTS	TWIN CITY MODEL T500 WITH CEILING GRILLE AND 10"Ø DUCT TO MODEL 613 WALL CAP.	
EF 4	CEILING MOUNTED	300	.25"	212	120/60/1	905	WITH LIGHTS	TWIN CITY MODEL T300 WITH CEILING GRILLE AND 8"Ø DUCT TO MODEL 643 WALL CAP	

ENERGY RECOVERY UNIT AND STEAM COIL SCHEDULE															
SYM.	TYPE	C.F.M.	SP _e	H.P.	CHAR.	REMARKS	WEIGHT	SYM.	EAT	LAT	STEAM COND.	STEAM PRESS.	BTU	REMARKS	
ER 1	PACKAGED HEAT RECOVERY UNIT	3500 SA 3450 EA	1.5"	3	208/60/3	SEMCO MODEL FV-5000	1200#	HC 1	0°F	40°F	2"	1-1/2"	15 psi	224,459	RAE 58SD24X30-8-1-W-F-R ER-2 STEAM COIL
ER 2	PACKAGED HEAT RECOVERY UNIT	2400 SA 3300 EA	1.5"	3	208/60/3	SEMCO MODEL FV-5000	1200#	HC 2	0°F	40°F	2"	1-1/2"	15 psi	155,774	RAE 58SD21X22-8-1-W-F-R ER-2 STEAM COIL

HEAT EXCHANGER SCHEDULE																
SYM.	TYPE	STEAM SIDE				SIDE A (HOT WATER)				SIDE B (35% GLYCOL)				REMARKS		
		STEAM	CR	PRESS.	#/HR	PD	GPM	EWT	LWT	PD	PIPE	EWT	LWT		GPM	PD
HX 1	SHELL AND TUBE	2 1/2"	1"	5 PSI	2.1'	2.1'	300	--	--	--	4"	--	--	--	--	B&G SU104-4 WITH U-TUBE DESIGN. MOUNT ON STAND. SEE DETAIL AM201

CIRCULATING PUMP SCHEDULE									
SYM.	TYPE	G.P.M.	HEAD	H.P.	CHAR.	RPM	REMARKS	MANUFACTURER & MODEL NO.	
CP 1	BASE MOUNTED	300	60'	7-1/2	208/60/3	1750	HEAT PUMP CIRCULATING	B&G MODEL 1510, SIZE 2-1/2BB (35% GLYCOL) WITH VFD	
CP 2	BASE MOUNTED	300	60'	7-1/2	208/60/3	1750	HEAT PUMP CIRCULATING	B&G MODEL 1510, SIZE 2-1/2BB (35% GLYCOL) WITH VFD	

AIR COOLED FLUID COOLER UNIT SCHEDULE													
SYM.	TYPE	COOLER				CHAR.	MCA	MOPD	CONDENSER FANS			WEIGHT	REMARKS
		GPM	PSI	EWT	LWT				FANS	HP	FLA		
CH 1	AIR COOLER HORIZONTAL	300	22'	114°F	103°F	208/60/3	92.6	100	14	1-1/2	6.5 EA	5300#	WITT MODEL FDS1403B WITH 35% GLYCOL MIX. MOUNT ON ROOF WITH 8" WIDE BEAM UNDER LEGS ON EACH SIDE OF UNIT.

GRILLE AND REGISTER SCHEDULE										
SYM.	SIZE	THROW	CFM	CONSTR.	FINISH	BRANCH DUCT	F.D.	O.B.	REMARKS	
ER-1	12 x 8	⊕	0-400	STEEL	WHITE	IN 10"Ø DUCT	NO	YES	PRICE MODEL SDGE WITH EXTRACTION DAMPER	
ER-2	12 x 10	---	0-400	STEEL	WHITE	12x10 SLEEVE	NO	YES	PRICE MODEL 535LD	
ER-3	12 x 12	---	0-400	STEEL	WHITE	SEE PLAN	NO	YES	PRICE MODEL 535D (CUT INTO TILE WHERE APPLICABLE)	
ER-4	30 x 30	---	4000	ALUM	ANODIZED	SEE PLAN	NO	NO	PRICE 82	
OA-1	12 x 8	⊕	0-400	STEEL	WHITE	IN 10"Ø DUCT	NO	YES	PRICE MODEL SDGE WITH EXTRACTION DAMPER	
OA-2	12 x 12	⊕	0-400	STEEL	WHITE	12x10 SLEEVE	NO	YES	PRICE MODEL 520D	
PH-1	12 x 12	---	3000-3600	ALUM	ANODIZED	SEE PLAN	NO	NO	PENNBARRY MODEL PH 'PENNHOUSE' WITH DRAINABLE BLADES AND BURG SCREEN	
SR-1	12 x 10	---	0-400	STEEL	WHITE	SEE PLAN	NO	YES	PRICE MODEL 520D	
TG-1	12 x 10	---	0-400	STEEL	WHITE	12 x 10	NO	NO	PRICE MODEL 535L	
HD	PROVIDE MANUAL BALANCING DAMPER IN DUCT AND BALANCE TO CFM AS INDICATED ON FLOOR PLANS. DAMPER TO MATCH DUCT SIZE.									

HEAT RECOVERY UNIT SCHEDULE																				
SYM.	TYPE	WEIGHT	COOLING				HEATING				CHAR.	MCA / MOP	REFRIGERANT PIPING SIZES			WATER LINE CONNECTIONS			REMARKS	
			MBH	EWT	LWT	GPM	MBH	EWT	LWT	GPM			LIQUID	HIGH PRESS.	LOW PRESS.	INLET	OUTLET	CD		
HR 1	WATER SOURCE HEAT RECOVERY	600 #	287,700	103°F	114°F	71	19.3	324,000	68°F	57°F	71	20.1	208/60/3	(2) 36.0 / 60	(2) 1/2"	(2) 3/4"	(2) 1-1/2"	(2) 1-1/2"	(2) 3/4"	LG MODEL ARWB288B4S4 UNIT WITH ARBLB07121 BRANCH HEADER
HR 2	WATER SOURCE HEAT RECOVERY	900 #	430,500	103°F	114°F	106	26.4	486,000	68°F	57°F	106	27.4	208/60/3	(3) 36.0 / 60	(3) 1/2"	(3) 3/4"	(3) 1-1/2"	(3) 1-1/2"	(3) 3/4"	LG MODEL ARWB432B4S4 UNIT WITH ARBLB07121 BRANCH HEADER
HR 3	WATER SOURCE HEAT RECOVERY	600 #	239,400	103°F	114°F	61	19.3	270,000	68°F	57°F	61	20.1	208/60/3	(2) 36.5 / 60	(2) 1/2"	(2) 3/4"	(2) 1-1/8"	(2) 1-1/2"	(2) 3/4"	LG MODEL ARWB240B4S4 UNIT WITH ARBLB07121 BRANCH HEADER
HR 4	WATER SOURCE HEAT RECOVERY	600 #	239,400	103°F	114°F	61	19.3	270,000	68°F	57°F	61	20.1	208/60/3	(2) 36.5 / 60	(2) 1/2"	(2) 3/4"	(2) 1-1/8"	(2) 1-1/2"	(2) 3/4"	LG MODEL ARWB240B4S4 UNIT WITH ARBLB07121 BRANCH HEADER

FAN COIL UNIT SCHEDULE														
SYM.	TYPE	BLOWER SECTION		O.A.	DX COOLING COIL			PIPING SIZES			HEATING BTU	CHAR.	REMARKS	
		CFM	AMPS		BTU	EAT	LAT	LIQ	SUCT.	CD				
FC 1	RECESSED CEILING CASSETTE	950	1.30	400	48,100	75°F	55°F	3/8"	5/8"	1"	51,200	208/60/1	LG MODEL ARNU483TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 2	RECESSED CEILING CASSETTE	950	1.30	400	48,100	75°F	55°F	3/8"	5/8"	1"	51,200	208/60/1	LG MODEL ARNU483TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 3	RECESSED CEILING CASSETTE	670	0.56	150	24,200	75°F	55°F	3/8"	5/8"	1"	27,300	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 4	RECESSED CEILING CASSETTE	670	0.56	170	24,200	75°F	55°F	3/8"	5/8"	1"	27,300	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 5	RECESSED CEILING CASSETTE	670	0.56	180	24,200	75°F	55°F	3/8"	5/8"	1"	27,300	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 6	RECESSED CEILING CASSETTE	670	0.56	75	24,200	75°F	55°F	3/8"	5/8"	1"	27,500	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 7	RECESSED CEILING CASSETTE	280	0.20	25	12,300	75°F	55°F	1/4"	1/2"	1"	13,600	208/60/1	LG MODEL ARNU123TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 8	RECESSED CEILING CASSETTE	390	0.20	160	19,100	75°F	55°F	1/4"	1/2"	1"	21,500	208/60/1	LG MODEL ARNU183TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 9	VERTICAL DUCTED TYPE	1400	1.80	300	54,000	75°F	55°F	3/8"	5/8"	1"	60,000	208/60/1	LG MODEL ARNU543M3A4 WITH CONDENSATE PUMP	BASE
FC 10	VERTICAL DUCTED TYPE	1400	1.80	400	54,000	75°F	55°F	3/8"	5/8"	1"	60,000	208/60/1	LG MODEL ARNU543M3A4 WITH CONDENSATE PUMP	BASE
FC 11	VERTICAL DUCTED TYPE	1260	1.80	400	48,000	75°F	55°F	3/8"	5/8"	1"	51,200	208/60/1	LG MODEL ARNU483NK44 WITH CONDENSATE PUMP	BASE
FC 12	RECESSED CEILING CASSETTE	950	1.30	400	48,100	75°F	55°F	3/8"	5/8"	1"	51,200	208/60/1	LG MODEL ARNU483TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 13	RECESSED CEILING CASSETTE	950	1.30	400	48,100	75°F	55°F	3/8"	5/8"	1"	51,200	208/60/1	LG MODEL ARNU483TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 14	RECESSED CEILING CASSETTE	950	1.30	400	48,100	75°F	55°F	3/8"	5/8"	1"	51,200	208/60/1	LG MODEL ARNU483TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 15	RECESSED CEILING CASSETTE	670	0.56	175	24,200	75°F	55°F	3/8"	5/8"	1"	27,300	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	BASE
FC 16	HORIZONTAL DUCTLESS	1260	1.80	0	37,040	75°F	55°F	3/8"	5/8"	1"	44,730	208/60/1	LG MODEL ARNU543M3A4 WITH CONDENSATE PUMP	BASE
FC 17	RECESSED CEILING CASSETTE	810	1.30	300	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 18	RECESSED CEILING CASSETTE	810	1.30	300	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 19	RECESSED CEILING CASSETTE	810	1.30	300	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 20	RECESSED CEILING CASSETTE	810	1.30	300	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 21	WALL MOUNTED	250	0.25	15	9600	75°F	55°F	1/4"	1/2"	5/8"	10,900	208/60/1	LG MODEL ARNU093JA4 WITH CONDENSATE PUMP	ALT #3
FC 22	VERTICAL DUCTED TYPE	530	1.12	25	18,000	75°F	55°F	1/4"	1/2"	1"	20,000	208/60/1	LG MODEL ARNU183NK44 WITH CONDENSATE PUMP	ALT #3
FC 23	WALL MOUNTED	280	0.20	25	12,300	75°F	55°F	1/4"	1/2"	1"	13,600	208/60/1	LG MODEL ARNU123JA4 WITH CONDENSATE PUMP	ALT #3
FC 24	HORIZONTAL DUCTED TYPE	1190	2.50	75	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH CONDENSATE PUMP	ALT #2
FC 25	RECESSED CEILING CASSETTE	670	0.56	100	24,200	75°F	55°F	3/8"	5/8"	1"	27,300	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #2
FC 26	VERTICAL DUCTED TYPE	640	1.12	30	24,000	75°F	55°F	3/8"	5/8"	1"	27,000	208/60/1	LG MODEL ARNU243TM44 WITH CONDENSATE PUMP	ALT #2
FC 27	RECESSED CEILING CASSETTE	810	1.30	120	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #2
FC 28A	WALL MOUNTED	250	0.25	15	9600	75°F	55°F	1/4"	1/2"	5/8"	10,900	208/60/1	LG MODEL ARNU093JA4 WITH CONDENSATE PUMP	ALT #2
FC 28B	WALL MOUNTED	250	0.25	15	9600	75°F	55°F	1/4"	1/2"	5/8"	10,900	208/60/1	LG MODEL ARNU093JA4 WITH CONDENSATE PUMP	ALT #2
FC 28C	WALL MOUNTED	230	0.25	5	5500	75°F	55°F	1/4"	1/2"	5/8"	6100	208/60/1	LG MODEL ARNU053JA4 WITH CONDENSATE PUMP	ALT #2
FC 29	RECESSED CEILING CASSETTE	810	1.30	170	36,200	75°F	55°F	3/8"	5/8"	1"	40,600	208/60/1	LG MODEL ARNU363TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #2
FC 30	RECESSED CEILING CASSETTE	280	0.20	20	12,300	75°F	55°F	1/4"	1/2"	1"	13,600	208/60/1	LG MODEL ARNU123JA4 WITH CONDENSATE PUMP	ALT #3
FC 31A	RECESSED CEILING CASSETTE	670	0.56	150	24,200	75°F	55°F	3/8"	5/8"	1"	27,399	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 31B	RECESSED CEILING CASSETTE	670	0.56	150	24,200	75°F	55°F	3/8"	5/8"	1"	27,399	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 32	RECESSED CEILING CASSETTE	260	0.20	20	9600	75°F	55°F	1/4"	1/2"	1"	10,900	208/60/1	LG MODEL ARNU093TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #3
FC 33	RECESSED CEILING CASSETTE	260	0.20	20	9600	75°F	55°F	1/4"	1/2"	1"	10,900	208/60/1	LG MODEL ARNU093TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #2
FC 34A	RECESSED CEILING CASSETTE	670	0.56	150	24,200	75°F	55°F	3/8"	5/8"	1"	27,399	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #2
FC 34B	RECESSED CEILING CASSETTE	670	0.56	150	24,200	75°F	55°F	3/8"	5/8"	1"	27,399	208/60/1	LG MODEL ARNU243TM44 WITH GRILLE KIT AND CONDENSATE PUMP	ALT #2
FC 35	WALL MOUNTED	180	0.25	15	5500	75°F	55°F	1/4"	1/2"	5/8"	6100	208/60/1	LG MODEL ARNU053JA4 WITH CONDENSATE PUMP	ALT #2
FC 36	WALL MOUNTED	180	0.25	15	5500	75°F	55°F	1/4"	1/2"	5/8"	6100	208/60/1	LG MODEL ARNU053JA4 WITH CONDENSATE PUMP	ALT #2

BRANCH SELECTOR BOX						
SYM.	LOCATION	LIQUID	HIGH PRESS.	LOW PRESS.	CHAR.	REMARKS
BS 1	CLASSROOM 125 BASE	1/2"	7/8"	1-1/8"		