

OSA CALCULATION															
ZONE	AHU	ZONE AREA	OCC. DENSITY	# OF PERSONS	PEOPLE OUTDOOR AIRFLOW RATE	AREA OUTDOOR AIRFLOW RATE	BREATHING ZONE OUTDOOR AIRFLOW	ZONE EFF. (EZ)	V (VOZ)	PRIMARY CFM	ZONE CFM	OUTDOOR FRACTION	SYSTEM EFF.	UNCORRECTED OSA	OSA
MAIN SALES FLOOR	RTU-1,2,3,4	23,030	15	345	7.5	0.12	5,350	1	5,350	17,050	17,050	0.3	0.8	6420	2400
WAREHOUSE		12,912			WAREHOUSE OUTSIDE AIR TO BE PROVIDED BY OPERABLE DOORS										
BREAK ROOM	RTU-6	954	15	13	7.5	0.12	212	1	212	8000	1000	0.1	1	212	
GROOMING/BATHING	RTU-5	1043	10	10	7.5	0.18	262	1	262	800	1,200	0.1	1	212	
OFFICES	RTU-7	958	5	5	5	0.06	82	1	80	8000	1000	0.1	1	82	
MAIN SALES FLOOR AND WAREHOUSE AREA BASED ON OCCUPIABLE FLOOR AREA PER 403.3, UNITS TO HAVE DEMAND CONTROLLED VENTILATION. MINIMUM OSA CFM TO BE SET TO MATCH GROOMING EXHAUST 2400 CFM. OUT SIDE AIR REDUCED FOR AVERAGE OCCUPANCY.															

Economizer's are required for units with a cooling capacity in excess of 54,000 btu/hr. ASHRAE 90.1 table 6.5.1-1.

SPLIT SYSTEM AIR CONDITIONING SCHEDULE															
UNIT	CAPACITY BTUH	INDOOR FAN CFM HI/LOW	SEER	VOLTAGE/ PHASE	HERTZ	MCA	MOP	MANUFACTURER	INDOOR UNIT	WEIGHT	OUTDOOR UNIT	WEIGHT	NOTES		
DAC1	12000	177/282	22.7	208/1	60	14	20	LG	LSN120HSV5	25 LBS	LSU120HSV5	80 LBS	A,B,C		
A. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION.															
B. PROVIDE LINE SET AND CONTROLS IS FOR COMPLETE OPERATION.															
C. ALTERNATE MANUFACTURES: MITSUBISHI, DAIKIN, CARRIER, OR APPROVED.															