



901
Northpoint Parkway
Suite 101
West Palm Beach
Florida 33407



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New Kitchen Facility for



701 Boutwell Road
Lake Worth, FL 33461



Project No. 22.046
24 February 2023
Bidding, Permit and
Construction

M
4.1

OUTDOOR AIR SCHEDULE - VENTILATION RATE PROCEDURE - DX/CU-1									
ROOM NUMBER	ROOM NAME	NET OCCUPIABLE AREA (SQ. FT.)	VENTILATION RATE AREA (CFMSQ. FT.)	VENTILATION RATE AREA (CFM)	POPULATION DENSITY (NO./1K SQ. FT.)	OCCUPANCY (NO. PEOPLE)	VENTILATION RATE PEOPLE (CFMP)	VENTILATION RATE PEOPLE (CFM)	VENTILATION RATE TOTAL (CFM)
ROOM VENTILATION RATES									
129	IT CLOSET	52	0.00	0	0	0	0.0	0	0
ROOM VENTILATION RATE TOTALS		-	-	0	-	-	-	0	0
DX/CU-1 SYSTEM TYPE		PRELIMINARY SYSTEM VENTILATION RATE	MULTIPLE SPACES CORRECTION	INTERMITTENT OR VARIABLE OCCUPANCY	ZONE AIR DISTRIBUTION EFFECTIVENESS EZ	OCCUPANT DIVERSITY D	SYSTEM VENTILATION EFFICIENCY EV	ADJUSTED SYSTEM VENTILATION RATE	SCHEDULED SYSTEM VENTILATION RATE
SINGLE ZONE VARIABLE AIR VOLUME		0	NO	NO	1.00	1.00	1.00	0	0
OUTDOOR AIR SCHEDULE - VENTILATION RATE PROCEDURE - RTU-4									
ROOM NUMBER	ROOM NAME	NET OCCUPIABLE AREA (SQ. FT.)	VENTILATION RATE AREA (CFMSQ. FT.)	VENTILATION RATE AREA (CFM)	POPULATION DENSITY (NO./1K SQ. FT.)	OCCUPANCY (NO. PEOPLE)	VENTILATION RATE PEOPLE (CFMP)	VENTILATION RATE PEOPLE (CFM)	VENTILATION RATE TOTAL (CFM)
ROOM VENTILATION RATES									
106	DINING	932	0.18	168	70	66	7.5	495	663
-	CORRIDOR	127	0.06	8	0	0	0.0	0	8
107	KITCHEN	409	0.12	50	20	9	7.5	68	118
ROOM VENTILATION RATE TOTALS		-	-	226	-	-	-	563	789
RTU-4 SYSTEM TYPE		PRELIMINARY SYSTEM VENTILATION RATE	MULTIPLE SPACES CORRECTION	INTERMITTENT OR VARIABLE OCCUPANCY	ZONE AIR DISTRIBUTION EFFECTIVENESS EZ	OCCUPANT DIVERSITY D	SYSTEM VENTILATION EFFICIENCY EV	ADJUSTED SYSTEM VENTILATION RATE	SCHEDULED SYSTEM VENTILATION RATE
SINGLE ZONE CONSTANT AIR VOLUME		789	NO	NO	1.00	1.00	1.00	789	1900/800
OUTDOOR AIR SCHEDULE - VENTILATION RATE PROCEDURE - RTU-5									
ROOM NUMBER	ROOM NAME	NET OCCUPIABLE AREA (SQ. FT.)	VENTILATION RATE AREA (CFMSQ. FT.)	VENTILATION RATE AREA (CFM)	POPULATION DENSITY (NO./1K SQ. FT.)	OCCUPANCY (NO. PEOPLE)	VENTILATION RATE PEOPLE (CFMP)	VENTILATION RATE PEOPLE (CFM)	VENTILATION RATE TOTAL (CFM)
ROOM VENTILATION RATES									
111	KITCHEN OFFICE	170	0.06	11	5	1	5.0	5	16
111A	ATS	167	0.00	0	0	0	0.0	0	0
117	LOIS' FOOD 4 KIDS VOLUNTEER CENTER	2824	0.06	170	7	20	7.5	150	320
ROOM VENTILATION RATE TOTALS		-	-	181	-	-	-	150	336
RTU-5 SYSTEM TYPE		PRELIMINARY SYSTEM VENTILATION RATE	MULTIPLE SPACES CORRECTION	INTERMITTENT OR VARIABLE OCCUPANCY	ZONE AIR DISTRIBUTION EFFECTIVENESS EZ	OCCUPANT DIVERSITY D	SYSTEM VENTILATION EFFICIENCY EV	ADJUSTED SYSTEM VENTILATION RATE	SCHEDULED SYSTEM VENTILATION RATE
SINGLE ZONE CONSTANT AIR VOLUME		336	NO	NO	1.00	1.00	1.00	336	500
OUTDOOR AIR SCHEDULE - VENTILATION RATE PROCEDURE - RTU-6									
ROOM NUMBER	ROOM NAME	NET OCCUPIABLE AREA (SQ. FT.)	VENTILATION RATE AREA (CFMSQ. FT.)	VENTILATION RATE AREA (CFM)	POPULATION DENSITY (NO./1K SQ. FT.)	OCCUPANCY (NO. PEOPLE)	VENTILATION RATE PEOPLE (CFMP)	VENTILATION RATE PEOPLE (CFM)	VENTILATION RATE TOTAL (CFM)
ROOM VENTILATION RATES									
110	KITCHEN	3862	0.12	464	20	78	7.5	585	1049
-	DRY STORAGE	238	0.12	29	0	0	0.0	0	29
112	DELIVERY CART STORAGE	186	0.12	23	0	0	0.0	0	23
ROOM VENTILATION RATE TOTALS		-	-	516	-	-	-	585	1101
RTU-6 SYSTEM TYPE		PRELIMINARY SYSTEM VENTILATION RATE	MULTIPLE SPACES CORRECTION	INTERMITTENT OR VARIABLE OCCUPANCY	ZONE AIR DISTRIBUTION EFFECTIVENESS EZ	OCCUPANT DIVERSITY D	SYSTEM VENTILATION EFFICIENCY EV	ADJUSTED SYSTEM VENTILATION RATE	SCHEDULED SYSTEM VENTILATION RATE
SINGLE ZONE CONSTANT AIR VOLUME		1101	NO	NO	1.00	1.00	1.00	1101	3010/1110
<div>① SPACE VENTILATION RATES BASED ON 2020 FLORIDA BUILDING CODE MECHANICAL TABLE 403.3.1.1 MINIMUM VENTILATION RATES.</div> <div>② REGIONAL OUTDOOR AIR QUALITY IS IN ATTAINMENT WITH NATIONAL AMBIENT AIR QUALITY STANDARDS PER ASHRAE STANDARD 62.1-16 4.1.</div> <div>③ LOCAL OUTDOOR AIR QUALITY IS ACCEPTABLE BASED ON SITE OBSERVATIONS PER ASHRAE STANDARD 62.1-16 4.2.</div> <div>④ NO KNOWN OR UNUSUAL INDOOR CONTAMINANTS OR SOURCES INCLUDING, BUT NOT LIMITED TO, ASBESTOS, CHLORDANE, ENVIRONMENTAL TOBACCO SMOKE, LEAD, OZONE, OR RADON, WERE KNOWN AT THE TIME OF DESIGN.</div> <div>⑤ OUTDOOR AIR VENTILATION RATES SHALL BE RE-EVALUATED IF, AT A LATER TIME, SPACE USE CHANGES OCCUR OR UNUSUAL CONTAMINANTS OR UNUSUALLY STRONG SOURCES OF SPECIFIC CONTAMINANTS ARE INTRODUCED INTO THE SPACE.</div>									

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