

Plot Date: 8/19/2026 2:26:59 PM Path: Autodesk Docs\NCWSA Admin Bldg_V25\616202-NCWSA-MECH_V25.rvt

D

C

B

A

VENTILATION CALC												
ROOM NAME	ROOM NUMBER	ASSOCIATED UNIT	AREA (FT2)	CODE / GUIDLINE	SPACE CLASSIFICATION	OCCUPANCY (PEOPLE)	VENTILATION VBZ (CFM)	ZONE AIR DISTRIBUTION EZ	MINIMUM OUTDOOR AIRFLOW VOZ (CFM)	EXHAUST RATE (CFM)	ASSOCIATED VAV	SYSTEM VENTILATION EFFICIENCY EV
VEST	100	RTU-1	140	2025 MECH CODE	CORRIDORS	0	8	0.8	11	-	VAV-1-1	1
LOBBY	101	RTU-1	725	2025 MECH CODE	LOBBIES	10	94	0.8	117	-	VAV-1-1	0.8
PREFUNCTION SPACE	144	RTU-1	650	2025 MECH CODE	LOBBIES/PREFUNCTION	20	190	0.8	237	-	VAV-1-2	0.8
WOMEN'S ROOM	145	RTU-1	180	2025 MECH CODE	TOILETS-PUBLIC	-	-	-	-	150	-	-
MEN'S ROOM	146	RTU-1	180	2025 MECH CODE	TOILETS-PUBLIC	-	-	-	-	150	-	-
CONFERENCE ROOM	237	RTU-1	350	2025 MECH CODE	CONFERENCE/MEETING	12	81	0.8	102	-	VAV-1-3	0.9
CONFERENCE ROOM	238	RTU-1	275	2025 MECH CODE	CONFERENCE/MEETING	12	77	0.8	96	-	VAV-1-4	0.9
OFFICE	239	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-3	1
OFFICE	240	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-1	1
REST ROOM	241	RTU-2	55	2025 MECH CODE	TOILETS-PUBLIC	-	-	-	-	75	-	-
REST ROOM	242	RTU-2	55	2025 MECH CODE	TOILETS-PUBLIC	-	-	-	-	75	-	-
OFFICE	243	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-1	1
OFFICE	244	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-1	1
OFFICE	245	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-3	1
PRINTING AREA	246	RTU-2	125	2025 MECH CODE	COPY, PRINTING ROOMS	-	-	-	-	75	-	-
OFFICE	247	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-1	1
OFFICE	248	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-4	1
STORAGE	249	RTU-2	90	2025 MECH CODE	STORAGE	0	5	0.8	7	-	VAV-2-4	1
CLOSET	250	RTU-2	23	2025 MECH CODE	STORAGE	0	2	0.8	3	-	-	-
OFFICE	251	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-5	1
OFFICE	252	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-5	1
OFFICE	253	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-4	1
OFFICE	254	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-4	1
OFFICE	255	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-5	1
OFFICE	256	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-2	1
OFFICE	257	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-2	1
OFFICE	258	RTU-2	115	2025 MECH CODE	OFFICE SPACE	1	12	0.8	15	-	VAV-2-2	1
CORRIDOR	260	RTU-2	350	2025 MECH CODE	CORRIDORS	0	21	0.8	26	-	MULTIPLE	1
EXECUTIVE CONFERENCE RM	140	RTU-3	350	2025 MECH CODE	CONFERENCE/MEETING	10	79	0.8	99	-	VAV-3-3	0.9
ELEC ROOM	141	RTU-3	120	2025 MECH CODE	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	0	7	0.8	10	-	VAV-3-3	0.9
STORAGE	142	RTU-3	575	2025 MECH CODE	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	0	35	0.8	44	-	VAV-3-3	0.9
BOARD ROOM	143	RTU-3	1,700	2025 MECH CODE	CONFERENCE/MEETING	100	600	0.8	750	-	VAV-3-1 & VAV3-2	0.9



BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328



CONSTRUCTION DOCUMENTS
07/01/2026



NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION
1	8/18/26	AHU COMMENTS

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: CJP

DRAWN: CJP

CHECKED: NBN

CHECKED:

APPROVED: RFJ

FILENAME

BC PROJECT NUMBER

Project Number

CLIENT PROJECT NUMBER

VENTILATION CALCULATIONS

DRAWING NUMBER

M601