

D

VARIABLE AIR VOLUME BOX SCHEDULE (VAV)															
PLAN DESIGNATION	MANUFACTURER MODEL NO.	ASSOCIATED EQUIPMENT	INLET SIZE (IN.)	LOCATION	MAXIMUM AIR FLOW (CFM)	MINIMUM AIR FLOW (CFM)	REHEAT AIRFLOW (CFM)	AIR PRESSURE DROP (IN. W.C.)	COIL DATA					MAXIMUM NC	NOTES
									CAPACITY (KW)	EAT (°F)	LWT (°F)	VOLTS / PHASE	AMPS		
VAV 1-1	PRICE-SDV	RTU -1	7	LOBBY	490	120	390	.5	4.9	55	95	208 / 3	13.6	<30	1-7
VAV 1-2	PRICE-SDV	RTU -1	8	PRE-FUNCTION	825	250	485	.5	6.1	55	95	208 / 3	16.9	<30	1-7
VAV 1-3	PRICE-SDV	RTU -1	7	CORRIDOR	730	150	225	.5	2.8	55	95	208 / 3	7.8	<30	1-7
VAV 1-4	PRICE-SDV	RTU -1	7	CORRIDOR	635	150	245	.5	3.1	55	95	208 / 3	8.6	<30	1-7
VAV 2-1	PRICE-SDV	RTU -2	9	CORRIDOR	1350	160	300	.5	3.8	55	95	208 / 3	10.6	<30	1-7
VAV 2-2	PRICE-SDV	RTU -2	9	CORRIDOR	1000	160	350	.5	4.4	55	95	208 / 3	12.2	<30	1-7
VAV 2-3	PRICE-SDV	RTU -2	7	CORRIDOR	640	130	130	.5	3.2	55	95	208 / 3	8.9	<30	1-7
VAV 2-4	PRICE-SDV	RTU -2	7	CORRIDOR	425	120	220	.5	3.2	55	95	208 / 3	8.9	<30	1-7
VAV 2-5	PRICE-SDV	RTU -2	8	CORRIDOR	820	125	200	.5	2.5	55	95	208 / 3	6.9	<30	1-7
VAV 3-1	PRICE-SDV	RTU -3	10	STORAGE	1500	450	450	.5	5.7	55	95	208 / 3	15.8	<30	1-7
VAV 3-2	PRICE-SDV	RTU -3	9	STORAGE	1000	300	300	.5	3.8	55	95	208 / 3	10.6	<30	1-7
VAV 3-3	PRICE-SDV	RTU -3	7	STORAGE	650	125	290	.5	3.6	55	95	208 / 3	10.0	<30	1-7
1. PROVIDE INSULATED ACCESS DOOR IN VAV BOX FOR VIEWING DAMPER AND COIL. 2. COORDINATE VAV SUPPLY AIR DUCT TRANSITION WITH VAV NECK CONNECTION SIZE. 3. INLET STATIC PRESSURE SHALL BE .75 (I.N. W.G.). 4. PROVIDE SCR CONTROLLER FOR REHEATS 5. PROVIDE HI-LIMIT DISCHARGE STAT 6. PROVIDE ELECTRICAL DISCONNECT SWITCH 7. PROVIDE SPACE TEMPERATURE SENSOR 8. PROVIDE FACTORY VAV CONTROLLER															

C

AIR CONDITIONING UNIT SCHEDULE (RTU)																											
PLAN DESIGNATION	MANUFACTURER MODEL NO.	ASSOCIATED EQUIPMENT	MAXIMUM UNIT WEIGHT (LBS)	AIR FLOW (CFM)	MIN O.A. CFM (OCCUPIED)	TOTAL S.P. (IN. W.C.)	EXTERNAL S.P. (IN. W.C.)	EER	IEER	D/X COOLING SECTION				HEATING (HEAT PUMP) (23 F AMBIENT)			OPERATING FAN HP	FAN HP	NO. OF COMPRESSORS	NO. OF CIRCUITS	REFRIGERANT TYPE	REFRIGERANT CHARGE TOTAL (LB)	TOTAL UNIT ELECTRIC DATA				NOTES
										TOTAL CAP. (MBH)	SENSIBLE CAP. (MBH)	EAT ("Fdb"/Fwd)	LAT ("Fdb"/Fwd)	TOTAL CAP. (MBH)	EAT ("F)	LAT ("F)							MCA	MOP	SCCR	VOLTS/P HASE	
RTU-1	TRANE WHK102A	VAV 1-1 THRU VAV 1-4	1293	2600	600	1.4	1.1	12.1	17.5	101.5	75.3	79.8 / 66.0	52.7 / 53.5	70.8	57.75	82.9	1.153	3	1	1	R-454B	16.5	62.0	80.0	65K	208V / 3Ø	SEE BELOW
RTU-2	TRANE WHK102A	VAV 2-1 THRU VAV 2-4	1188	3800	500	1.3	1	12.1	17.5	105.2	89.5	77.3 / 64.5	55.4 / 55.0	69.0	64.12	80.86	1.825	3	1	1	R-454B	16.5	62.0	80.0	65K	208V / 3Ø	SEE BELOW
RTU-3	TRANE WHK120A	VAV 3-1 THRU VAV 3-3	1483	3100	1100	1.3	1	11.4	16.6	116.7	91.05	80.7 / 66.58	54.8 / 54.7	77.4	55.3	76.4	1.2	4.2	1	1	R-454B	21.5	68.0	90.0	65K	208V / 3Ø	SEE BELOW
NOTES:																											
1. PROVIDE SINGLE VARIABLE FREQUENCY DRIVE FOR SUPPLY WITH INTEGRAL HAND-OFF-AUTO SELECTION SWITCH AND LOCKABLE DISCONNECT. VARIABLE FREQUENCY DRIVE SHALL BE FURNISHED BY ROOFTOP UNIT MANUFACTURER AND RECESSED IN UNIT CABINET WITH PREWIRED CONNECTION BETWEEN UNIT AND DRIVE. SINGLE DRIVE TO CONTROL EACH SET OF SUPPLY FANS(S) VIA STATIC PRESSURE CONTROL.							7. PROVIDE HINGED ACCESS DOORS.							12. PROVIDE FACTORY MULTI ZONE VAV CONTROL.													
2. PROVIDE 2" MERV-13 FILTERS.							8. UNIT TO BE FACTORY FABRICATED AS ONE UNIT BY MANUFACTURER.							13. PROVIDE POWERED 15A CONVENIENCE OUTLET FROM SINGLE POINT POWER CONNECTION.													
3. PROVIDE HINGED ACCESS DOOR AND REMOVABLE FILTERS.							9. PROVIDE DOOR KILL SWITCHES ASSOCIATED WITH THE FAN SECTION ACCESS DOOR. KILL SWITCHES TO BE WIRED TO VFD TO AUTOMATICALLY DE-ENERGIZE FANS WHEN DOOR IS OPENED.							14. PROVIDE CLOGGED FILTER SWITCH AND CONDENSATE OVERFLOW SWITCH.													
4. FAN STATIC PRESSURES TO BE BASED ON FILTERS IN REPLACEMENT CONDITION (2" WC ALLOWANCE).							10. PROVIDE THYBAR WIND RATED CURB ADAPTOR IN COMPLIANCE WITH THE 2024 GEORGIA BUILDING CODE AND ASCE 7. DEMONSTRATE A CONTINUOUS LOAD PATH FROM EQUIPMENT THROUGH CURB AND TO STRUCTURAL STEEL TO ACCOMMODATE WIND LOADING. CURB SHALL BE INSULATED ON INTERIOR WITH 1-½" THICK 3 LB/CF INSULATION.							15. PROVIDE CONDENSER HAIL GUARDS.													
5. PROVIDE NON-FUSED, UNIT MOUNTED DISCONNECT BY MANUFACTURER.							11. PROVIDE ECONOMIZER WITH ENTHALPY CONTROL.							16. UNIT SHALL BE PROVIDED WITH A VARIABLE SPEED COMPRESSOR MATCHED WITH VFD.													
6. PROVIDE POWER EXHAUST POWERED BY UNIT SINGLE POINT POWER CONNECTION.							17. PROVIDE REMOTE CONTROL PANEL PER UNIT																				

B

EXHAUST FAN SCHEDULE (EF)													
PLAN DESIGNATION	MANUFACTURER MODEL NO.	LOCATION	CONSTRUCTION TYPE	DISCHARGE CONFIGURATION	AIR FLOW RATE (CFM)	EXTERNAL S.P. (IN. W.C)	FAN SPEED (RPM)	INLET SONES	DRIVE TYPE	ELECTRICAL DATA			NOTES
										MOTOR BHP	MOTOR HP	VOLTS/ PHASE	
EF-1	GREENHECK G-099-VG	ROOF	GPF	DB	800	.8	1625	10.9	DIRECT	-	¼	115V / 1Ø	1-10
NOTES: 1. PROVIDE 24" ROOF CURB. 2. PROVIDE ECM WITH 0-10 VDC INPUT SIGNAL AND BALANCING KNOB. 3. PROVIDE FACTORY MOUNTED DISCONNECT SWITCH. 4. PROVIDE MOTORIZED BACK DRAFT DAMPER WITH 24V ACTUATOR 5. PROVIDE INSULATED MOTORIZED DAMPER 6. PROVIDE INVERTER DUTY PREMIUM EFFICIENCY MOTOR, CLASS F INSULATION. 7. PROVIDE COMBINATION MOTOR STARTER. 8. PROVIDE FAN MOUNTED SPEED CONTROLLER FROM MANUFACTURER. CONSTRUCTION TYPE: GPF - GENERAL PURPOSE FAN SRC - SPARK B RESISTANT CONSTRUCTION DISCHARGE CONFIGURATION: CW - CLOCKWISE UB - UP BLAST DB - DOWN BLAST													

A

LINEAR DIFFUSER SCHEDULE											
PLAN DESIGNATION	MANUFACTURER MODEL NO.	TYPE	MAX. N.C. LEVEL	# OF SLOTS	SLOT WIDTH (IN)	WITH PLENUM	PLENUM INLET SIZE (IN)	OVERALL LENGTH (IN)	THROW PATTERN	MATERIAL	NOTES
LD-1	PRICE SDS	LINEAR SLOT DIFFUSER TYPE 8	<25	5	1/2"	YES	VARIES	48	VERTICAL	STEEL	SEE BELOW
LD-2	PRICE SDS	LINEAR SLOT DIFFUSER TYPE 2	<25	1	3/4"	YES	6	60	1 WAY HORZ.	STEEL	SEE BELOW
LD-3	PRICE SDS	LINEAR SLOT DIFFUSER TYPE 14	<25	3	1/2"	YES	VARIES	48	VERTICAL	STEEL	SEE BELOW
LD-4	PRICE SDS	LINEAR SLOT DIFFUSER TYPE 14	<25	3	1/2"	YES	6	60	VERTICAL	STEEL	SEE BELOW
LD-5	PRICE SDS	LINEAR SLOT DIFFUSER TYPE 2	<25	3	1/2"	YES	NONE	60	1 WAY HORZ.	STEEL	SIDE WALL MOUNTED ON SOFFIT

GENERAL NOTES:

1. DIFFUSER SHALL BE SET SUCH THAT SLOT FACING EXTERIOR WALL/WINDOW HAS VERTICAL AIRFLOW, AND SLOT FACING THE INTERIOR OF THE BUILDING HAS HORIZONTAL AIRFLOW.

2. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO

ORDERING AIR INLETS AND OUTLETS. PROVIDE ALL REQUIRED BRACKETS, FLANGES, SURFACE PLATES, AND FRAMES TO MOUNT THE DEVICE. REFER TO ARCHITECTURAL CEILING PLANS FOR CEILING TYPES.

3. SUBMIT A SEPARATELY FROM TECHNICAL DATA A COLOR CHART FOR COLOR AND FINISH SELECTION.

DEVICE TAG

DESIGNATION

PLENUM INLET SIZE

CFM

LINEAR DIFFUSER

PLENUM INLET SIZE

W

D

L

L = OVERALL LENGTH
D = NOMINAL DUCT LENGTH

REGISTER, GRILLE, AND DIFFUSER SCHEDULE							
PLAN DESIGNATION	MANUFACTURER MODEL NO.	TYPE	NECK SIZE	MAX. N.C. LEVEL	FACE SIZE (IN.)	MATERIAL	NOTES
SD-1	PRICE SPD	SQUARE PLAQUE	VARIES	<30	24" X 24"	STEEL	PROVIDE VOLUME DAMPER
RG-1	PRICE S25	FIXED DEFLECTION	VARIES	<30	24" X 24"	STEEL	
EG-1	PRICE 625	FIX DEFLECTION	VARIES	<30	24" X 24"	ALUMINUM	
TG-1	PRICE S25	FIXED DEFLECTION	VARIES	<30	24" X 24"	STEEL	
GENERAL NOTES: 1. A REGISTER IS DEFINED AS A GRILLE WITH A FACE DAMPER. 2. FACE SIZE IS DEFINED AS THE MAXIMUM OUTSIDE DIMENSIONS OF THE AIR INLET/OUTLET. REFER TO DIAGRAMS CONTAINED WITHIN FOR ADDITIONAL INFORMATION. 3. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING AIR INLETS AND OUTLETS. PROVIDE ALL REQUIRED BRACKETS, FLANGES, SURFACE PLATES, AND FRAMES TO MOUNT THE DEVICE. REFER TO ARCHITECTURAL CEILING PLANS FOR CEILING TYPES. 4. SUBMIT A SEPARATELY FROM TECHNICAL DATA A COLOR CHART FOR COLOR AND FINISH SELECTION. DEVICE TAG DESIGNATION NECK SIZE OR CORE SIZE CFM CEILING DIFFUSER FACE, SIZE = LxW NECK, REFER TO FLOOR PLANS FOR SIZE (ROUND OR SQUARE, ROUND SHOWN) CEILING DIFFUSER w/ CORE FACE, SIZE = LxW CORE, SIZE = L_cxW_c REFER TO FLOOR PLANS FOR SIZE REGISTER / GRILLE FACE SIZE (NECK SIZE+FLANGEx2) NECK, SIZE = L_nxW_n REFER TO FLOOR PLANS FOR SIZE							



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



CONSTRUCTION DOCUMENTS
07/01/2026



NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES
AT FULL SIZE

DESIGNED: CJP

DRAWN: CJP

CHECKED: NBN

CHECKED:

APPROVED:RFJ

FILENAME

BC PROJECT NUMBER

616202

CLIENT PROJECT NUMBER

MECHANICAL
SCHEDULES

DRAWING NUMBER

M301