ROOF TOP UNIT (W/ GAS HEAT)

MARK	SERVES	MAX. SUPPLY CFM	DESIGN SUPPLY CFM	MIN. SUPPLY CFM	RETURN CFM	O/A. CFM	COOLING CAPACITY (MBH)				SUPPLY FAN			PRE-FILTER	FINAL FILTER	RELIEF FAN				HEATING				HOT GAS REHEAT	CONDENSING UNIT				AMBIENT TEMP (°F)	ELECTRICAL				IEER	WEIGHT* (LBS)	BASIS OF DESIGN	NOTES
							TOTAL	SENSIBLE	MIXED AIR		TYPE	HP	ESP (IN. WG)			TYPE	HP	CFM	ESP (IN. WG)	FUEL	STEPS	INPUT (MBH)	OUTPUT (MBH)	MBH	TEMP. RISE (°F)	CONDENSER FAN		COMPRESSOR			MCA	MOCP	VOLTS	Ø				
									DB (°F)	WB (°F)																NO.	TYPE	NO.	TYPE								
RTU-11	MED. SURG.	3,600	3,200	1,800	1,400	1,800	182.8	123.0	86.0	69.5	DDP	3.0	0.95	MERV-8	MERV-14	DDP	1.0	1,800	0.20	NG	10	293	235	72.9	25	2	PROP	2	SCROLL	100.0	90	110	208	3	15.5	2,600	AAON RNA-015	1,2

NOTES:
1. ROOFTOP MOUNTED SINGLE ZONE VAV PACKAGED UNIT WITH MANUFACTURER STANDARD FINISH. PROVIDE WITH MANUFACTURER'S INSULATED CURB, MODULATING HOT-GAS REHEAT, LOW-AMBIENT KIT, STAINLESS STEEL HEAT EXCHANGER, MULTI-POSITION OUTDOOR AIR DAMPER, BACnet / MSTP FACTORY CONTROLLER, AND OUTSIDE AIR HOODS W/ MESH FILTER.
2. INSTALL THREE LAYERS OF OVERLAPPING 1/2" GYPSUM BOARD ON INTERIOR FACE OF THE ROOFTOP CURB SUPPORT FOR SOUND DAMPENING.

* INCLUDES CURB WEIGHT

AIR DEVICE

KEY
NO. IF MORE THAN ONE — 4 — NECK SIZE
MARK — A 8 — 210 — CFM

MARK	TYPE	DESCRIPTION	SIZE	BASIS OF DESIGN	NOTES
A	SUPPLY	SQUARE PLAQUE	24"x24"	TITUS OMNI-AA	1
B	RETURN	PERFORATED	24"x24"	TITUS PAR-AA	2

NOTES:
1. SQUARE PANEL FACE FOR NOMINAL 24"x24" LAY-IN CEILING. ALUMINUM CONSTRUCTION, WHITE FINISH, PROVIDE MANUFACTURER'S BACKPAN INSULATION BLANKET.
2. PERFORATED SCREEN WITH 3/16" DIAMETER HOLES ON 1/4" STAGGERED CENTERS FOR LAY-IN CEILING. ALUMINUM CONSTRUCTION, WHITE FINISH, PROVIDE SQUARE TO ROUND TRANSITION. PROVIDE MANUFACTURER'S BACKPAN INSULATION BLANKET.

VENTILATION SCHEDULE

ROOM	ROOM TYPE	AREA (SF)	CEILING HEIGHT (FT)	VOLUME (CF)	SERVED BY	CODE REQUIREMENTS							DESIGN					ROOM DESIGN SUMMER (DB°F / WB°F)	ROOM DESIGN WINTER (DB°F / WB°F)	OSA DESIGN SUMMER (DB°F / WB°F)	OSA DESIGN WINTER (DB°F / WB°F)	NOTES
						AC/H	OUTSIDE AIR AC/H	AIR FLOW MOVEMENT	SUPPLY (CFM)	OUTSIDE AIR (CFM)	EXHAUST (CFM)	FINAL FILTRATION	SUPPLY (CFM)	RETURN (CFM)	OUTSIDE AIR (CFM)	EXHAUST (CFM)	FINAL FILTRATION					
C-0104 CORRIDOR (MED SURG)	PATIENT CORRIDOR	2,610	10	26,100	RTU-11	2	-	-	870	0	0	MERV-14	2,800	1,250	1,400	0	MERV-14	72 / 60	72 / 60	95.1 / 74.2	10.9 / 9.0	1
045 MED ROOM	MEDICATION ROOM	225	10	2,250	RTU-11	4	2	OUT	150	75	0	MERV-8	200	150	100	0	MERV-14	72 / 60	72 / 60	95.1 / 74.2	10.9 / 9.0	-

NOTES:
1. EXCESS SUPPLY AIR IS USED FOR EXHAUST MAKEUP TO PATIENT BATHROOMS. SUITE PRESSURIZATION WILL BE MONITORED AND CONTROLLED BY RETURN FAN IN AIR SUPPLY UNIT.

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Project

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RTU - 11 REPLACEMENT
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Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description
1	07-28-2025	ADD 001

Stamp

Notes

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2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

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MECHANICAL SCHEDULES

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