



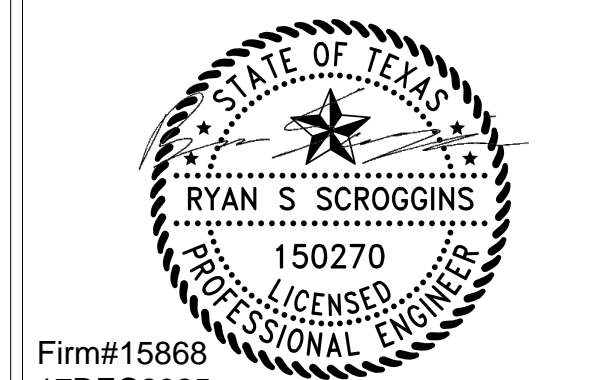
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SEAL



Firm# 15868  
17DEC2025

PROJECT NO.:  
DRAWN BY:  
CHECKED BY:

536 034  
RBS  
WRK

ROBERT HALF

6275 W. PLANO PKWY.  
SUITE #450  
PLANO, TX 75093

NO.	REVISIONS	DATE:

LABEL/ORD REVIEW ISSUE DATE: 12/17/2025  
TENANT REVIEW ISSUE DATE: 12/17/2025  
BID ISSUE DATE: 12/17/2025  
PERMIT ISSUE DATE: 12/17/2025  
CONSTRUCTION ISSUE DATE: XX/XX/2025

DRAWING TITLE:  
MECHANICAL - SCHEDULES

DRAWING NUMBER:

**M-601**

MARK	INLET SIZE (IN)	PRIMARY AIR		ELECTRICAL HEATING COIL		ELECTRICAL			ASSOCIATED AHU	MANUFACTURER	MODEL	NOTES	
		MAXIMUM (CFM)	MINIMUM (CFM)	HEATING AIR FLOW (CFM)	KW	MOTOR HP	V	PHASE					HZ
		6	300	100	300	3.0	0.1	477					3
RTU-4S	6	300	100	300	3.0	0.1	477	3	60	RTU-4S	METALARE	FC4600	1

NOTES:  
1. EXISTING SERIES FPTU TO REMAIN.

ROOFTOP AIR HANDLING UNIT OUTSIDE AIR SCHEDULE		
MARK	MINIMUM OA (CFM)	NOTES
RTU-4N	3,800	1
RTU-4S	4,200	1

NOTES:  
1. CONTRACTOR TO REBALANCE AIR HANDLING UNITS TO THE LISTED MINIMUM OUTSIDE AIR VALUES. MAXIMUM OUTSIDE AIR VALUE DURING ECONOMIZER MODE SHALL REMAIN AS IS.

SCHEDULE - AIR DEVICE SCHEDULE											
MARK	SERVICE	DESCRIPTION	NOM. FACE SIZE (IN x IN)	MOUNTING TYPE	NECK SIZE (IN x IN)	MATERIAL	BASIS OF DESIGN		REMARKS		
							MANUFACTURER	MODEL			
RP1	RETURN	GRILLE	24 x 24	SURFACE / LAY-IN	14	ALUMINUM	TITUS	PWR	PERFORATED RETURN DIFFUSER. FOR ENCLOSED SPACES SUCH AS PRIVATE OFFICES, CONFERENCE ROOMS, ETC. PROVIDE WITH RETURN AIR BOOT. PROVIDE WITH 1" ROUND NECK FOR PLUMB RETURN APPLICATIONS IN OPEN OFFICE AREAS.		
RM1	RETURN	GRILLE	SEE PLANS	SIDEWALL	SEE PLANS	ALUMINUM	TITUS	30FL	RETURN GRILLE. SINGLE DEFLECTION AND FRONT BLADES PARALLEL TO THE LONG DIMENSION.		
SA1	SUPPLY	DIFFUSER	24 x 24	LAY-IN	6	ALUMINUM	TITUS	DMNAAA	PLAQUE FACE DIFFUSER.		
SA2	SUPPLY	DIFFUSER	24 x 24	LAY-IN	8	ALUMINUM	TITUS	DMNAAA	PLAQUE FACE DIFFUSER.		
SA3	SUPPLY	DIFFUSER	24 x 24	LAY-IN	10	ALUMINUM	TITUS	DMNAAA	PLAQUE FACE DIFFUSER.		
SA4	SUPPLY	DIFFUSER	24 x 24	LAY-IN	12	ALUMINUM	TITUS	DMNAAA	PLAQUE FACE DIFFUSER.		
SM1	SUPPLY	GRILLE	SEE PLANS	SIDEWALL	SEE PLANS	ALUMINUM	TITUS	30FL	SUPPLY GRILLE. DOUBLE DEFLECTION AND FRONT BLADES PARALLEL TO THE LONG DIMENSION.		
SP1	SUPPLY	DIFFUSER	13.5"	SURFACE / LAY-IN	6	ALUMINUM	TITUS	TYRAAAA	MODULAR LOUVERED ROUND FACE DIFFUSER.		
SP2	SUPPLY	DIFFUSER	18"	SURFACE / LAY-IN	8	ALUMINUM	TITUS	TYRAAAA	MODULAR LOUVERED ROUND FACE DIFFUSER.		
SP3	SUPPLY	DIFFUSER	22.5"	SURFACE / LAY-IN	10	ALUMINUM	TITUS	TYRAAAA	MODULAR LOUVERED ROUND FACE DIFFUSER.		
SP4	SUPPLY	DIFFUSER	27"	SURFACE / LAY-IN	12	ALUMINUM	TITUS	TYRAAAA	MODULAR LOUVERED ROUND FACE DIFFUSER.		
SP5	SUPPLY	DIFFUSER	31.5"	SURFACE / LAY-IN	14	ALUMINUM	TITUS	TYRAAAA	MODULAR LOUVERED ROUND FACE DIFFUSER.		

NOTES:  
1. PROVIDE ALL AIR DEVICES WITH OFF-WHITE BAKED ENAMEL FINISH, UNLESS OTHERWISE NOTED.  
2. FOR DUCTS/APPLICATIONS SHOWN WITH A ROUND CONNECTION ON THE FLOORPLANS, PROVIDE RECTANGULAR-TO-ROUND TRANSITION AS REQUIRED TO MATCH SCHEDULE.  
3. BORDER TYPE SHALL BE SUITABLE FOR EACH AIR DEVICE'S APPLICATION. COORDINATE BORDER TYPE WITH ARCHITECTURAL, REFLECTED CEILING PLAN AND INTERIOR DESIGNER TO COORDINATE SUITABLE FINISH.  
4. UNLESS OTHERWISE INDICATED THE SUPPLY DIFFUSERS SHALL BE 4-WAY THROW.  
5. ALL SUPPLY, RETURN AND EXHAUST AIR DEVICES IN HARD CEILING SHALL BE CONNECTED TO DUCT SYSTEM WITH SOLID DUCT (NO FLEX).

PARALLEL FPTU W/ ELEC HEAT SCHEDULE														
MARK	INLET SIZE (IN)	PRIMARY AIR		ELECTRICAL HEATING COIL		ELECTRICAL			ASSOCIATED AHU	MANUFACTURER	MODEL	NOTES		
		MAXIMUM (CFM)	MINIMUM (CFM)	HEATING AIR FLOW (CFM)	LAT	KW	MOTOR HP	V					PHASE	HZ
		12	1200	300	1400	85	8.5	0.5					480	3
FPB-4N-3	12	1200	300	1400	85	8.5	0.5	480	3 <td>60</td> <td>RTU-4N</td> <td>METALARE <td>FV5000 <td>6</td> </td></td>	60	RTU-4N	METALARE <td>FV5000 <td>6</td> </td>	FV5000 <td>6</td>	6
FPB-4N-3	12	800	200	900	85	3.5	0.5	480	3 <td>60</td> <td>RTU-4N</td> <td>METALARE <td>FV5000 <td>6</td> </td></td>	60	RTU-4N	METALARE <td>FV5000 <td>6</td> </td>	FV5000 <td>6</td>	6
FPB-4N-3	12	1455	415	1140	85	11.0	0.5	480	3 <td>60</td> <td>RTU-4N</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4N	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4N-3	12	1295	480	1155	85	10.5	0.5	480	3 <td>60</td> <td>RTU-4N</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4N	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-1	14	1760	530	1405	85	8.5	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-2	14	1760	530	1405	85	8.5	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-3	14	1760	530	1405	85	8.5	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-4	14	1760	530	1405	85	8.5	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-5	8	670	275	605	85	4.0	0.3	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-6	6	400	120	320	85	2.0	0.3	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-7	14	2025	615	1625	85	10.0	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-8	14	2025	615	1625	85	10.0	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-9	14	2025	615	1625	85	10.0	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5
FPB-4S-10	14	2025	615	1625	85	10.0	1.0	480	3 <td>60</td> <td>RTU-4S</td> <td>METALARE <td>FV5000 <td>1-5</td> </td></td>	60	RTU-4S	METALARE <td>FV5000 <td>1-5</td> </td>	FV5000 <td>1-5</td>	1-5

NOTES:  
1. PROVIDE BOTTOM FAN AND MOTOR ACCESS.  
2. PROVIDE SINGLE-POINT ELECTRICAL CONNECTION. PROVIDE FACTORY MOUNTED OVERCURRENT PROTECTION WITH DISCONNECT SWITCH.  
3. PROVIDE WITH 24 VAC CONTROL TRANSFORMER.  
4. PROVIDE 1" POLY FACED INSULATION ON ALL INTERIOR SURFACES OF BOX. MINIMUM R VALUE 4.3.  
5. PROVIDE WITH EGM FAN AND SCR ELECTRIC HEAT.  
6. EXISTING FPB TO BE RE-USED. MAX AND MIN AIRFLOWS TO BE ADJUSTED PER SCHEDULED VALUES.

VAV TERMINAL UNIT W/ ELEC REHEAT SCHEDULE												
MARK	INLET SIZE (IN)	AIRFLOW		ELECTRIC REHEAT		KW	POWER	HERTZ	MANUFACTURER	MODEL	NOTES	
		MAX	MIN	EAT DB	LAT DB							
EVAV-4N-1	12	1200	600	55	85	5.5	120	1	60	METALARE <td>TH500</td> <td>8</td>	TH500	8
EVAV-4N-2	8	185	95	55	85	0.0	120	1	60	METALARE <td>TH500</td> <td>8</td>	TH500	8
EVAV-4N-2	8	600	100	55	85	0.0	120	1	60	METALARE <td>TH500</td> <td>8</td>	TH500	8
EVAV-4N-3	12	1455	440	55	85	4.5	120	1	60	METALARE <td>TH500</td> <td>8</td>	TH500	8
EVAV-4N-3	8	465	140	55	85	0.0	208	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4N-4	6	335	190	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4N-5	6	355	165	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4N-6	6	325	135	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4N-7	6	300	135	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4N-8	5	210	95	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-2	8	480	220	55	85	2.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-3	5	180	75	55	85	0.5	208	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-4	8	530	230	55	85	2.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-5	10	1055	330	55	85	3.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-5	6	355	160	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-7	10	975	400	55	85	4.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-8	6	430	180	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-8	6	430	195	55	85	2.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-10	6	275	125	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-11	6	285	120	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-12	6	285	120	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-13	5	215	75	55	85	0.5	208	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-14	5	210	100	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-15	5	230	100	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-16	5	190	85	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-17	5	185	80	55	85	0.5	208	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-18	6	330	150	55	85	1.5	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7
EVAV-4S-19	6	315	115	55	85	1.0	277	1	60	METALARE <td>TH500</td> <td>1-7</td>	TH500	1-7

NOTES:  
1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION. INCLUDE FACTORY MOUNTED OVERCURRENT PROTECTION WITH DISCONNECT SWITCH.  
2. PROVIDE WITH 24 VAC CONTROL TRANSFORMER.  
3. PROVIDE RECOMMENDED MAINTENANCE CLEARANCES. INCLUDE ACCESS PANELS (IN WALL ABOVE CEILING, ETC.) AS REQUIRED.  
4. PROVIDE COMPATIBLE DDC CONTROL MODULE AS REQUIRED TO INTERFACE WITH BUILDING DDC CONTROL SYSTEM.  
5. PROVIDE 1" POLY FACED INSULATION ON ALL INTERIOR SURFACES OF BOX. MINIMUM R VALUE 4.3.  
6. BOX SELECTION POINT SHALL BE NO MORE THAN 80% OF PUBLISHED MANUFACTURER'S MAXIMUM CFM.  
7. PROVIDE SCR TYPE ELECTRIC HEATER.  
8. EXISTING TERMINAL BOX TO BE RELOCATED. MAX AND MIN AIRFLOW TO BE ADJUSTED PER SCHEDULED VALUES. IF EXISTING VAVS DO NOT HAVE HEAT CAPABILITY, THE SCHEDULED HEATING PERFORMANCE DOES NOT NEED TO BE MET.

WALL MOUNTED AC INDOOR UNIT							
MARK	COOLING			ELECTRICAL			
	EAT DB	LAT DB	TOTAL CAPACITY (BTU/h)	FAN POWER (W)	VOLTAGE	PHASE	HERTZ
AC-401	75	55	9000	30	208	1	60

NOTES:  
1. INDOOR UNIT POWERED BY OUTDOOR UNIT CU-401.

CONDENSING UNIT SCHEDULE						
MARK	TOTAL CAPACITY (BTU/h)	REFRIGERANT	SEER2	VOLTAGE	PHASE	HERTZ
CU-401	9000	R410A	23.4	208	1	60

NOTES:  
1. PROVIDE SINGLE POINT ELECTRICAL CONNECTION. DISCONNECT SWITCH PROVIDED BY DM.  
2. PROVIDE WITH SIMPLE MA REMOTE CONTROLLER, PART NO. PAC-YT3SCR4UJ.  
3. PROVIDE PROCON BAGNET AND MODBUS INTERFACE, PART NO. PAC-UNPRO201-06-1.