














GENERAL HVAC NOTES

- COORDINATE GRILLE LOCATIONS WITH LIGHT FIXTURES AND CEILING GRID.
- INDICATED DUCT SIZES ARE NET FREE AREA.
- ADJUST ALL AIR QUANTITIES AS SHOWN ON THE PLANS AFTER COMPLETION OF THE JOB.
- INSULATE THE SUPPLY GRILLE TOPS, RETURN AIR GRILLE FLENUMS AND EXHAUST AIR FLENUMS WITH 2 IN., 3/4 LB. DENSITY FOIL BACKED INSULATION.
- EXTERNALLY INSULATE ALL ROUND SUPPLY AND RETURN DUCT. INTERNALLY INSULATE ALL RECTANGULAR SUPPLY AND RETURN DUCT PER MECHANICAL CODE. ATTACH THE INTERNAL INSULATION TO THE DUCT WITH APPROVED ADHESIVE AND WELDED FASTENERS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ALL DUCTWORK WITH FIELD CONDITIONS AND PROVIDE ALL OFFSETS, BENDS, TRANSITIONS AND SPECIAL FITTINGS FOR A COMPLETE INSTALLATION OF THE SYSTEMS.
- USE FLANGED AND GASKETED DUCT CONSTRUCTION FOR RECTANGULAR DUCT CONVEYING AIR AT STATIC PRESSURES ABOVE 2 IN. W.G. USE LOCKED SEAM SPIRAL DUCT CONSTRUCTION FOR ROUND DUCT CONVEYING AIR AT STATIC PRESSURES ABOVE 2 IN. W.G. ALL HIGH PRESSURE DUCT CONSTRUCTION SHALL ADHERE TO SMACNA DUCT CONSTRUCTION STANDARDS (LATEST EDITION) FOR DUCT CLASSIFICATION UP TO 5 IN. W.G.
- INTERIOR OF ALL DUCT FLENUMS VISIBLE THROUGH GRILLE SHALL BE PAINTED MATTE BLACK PRIOR TO INSTALLATION.
- PAINT ALL SUPPLY AND RETURN AIR GRILLES NOT SPECIFIED AS PRE-FINISHED, TO ARCHITECT'S SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.
- INSTALL VOLUME CONTROL DAMPERS IN SUPPLY, RETURN, EXHAUST AND FRESH AIR BRANCH DUCT RUNS.
- ALL MECHANICAL INSTALLATIONS SHALL CONFORM TO THE LATEST ACCEPTABLE MECHANICAL CODE.
- SEAL ALL DUCT SEAMS WITH HARDCAST IRON GRIP 601 SEALANT SYSTEM OR AN APPROVED EQUAL. DUCT TAPE, WHETHER LISTED OR NOT, WILL NOT BE ACCEPTED.
- FABRICATE AND INSTALL ALL GALVANIZED DUCT SYSTEMS TO SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION, AND MECHANICAL CODE.
- EVERY ATTIC OR FURRED SPACE IN WHICH MECHANICAL EQUIPMENT IS INSTALLED SHALL BE ACCESSIBLE BY AN OPENING AND PASSAGEWAY AS LARGE AS THE LARGEST PIECE OF THE EQUIPMENT AND IN NO CASE LESS THAN 22 X 36 INCHES CONTINUOUS FROM THE OPENING TO THE EQUIPMENT AND ITS CONTROLS. THE OPENING TO THE PASSAGEWAY SHALL BE LOCATED NOT MORE THAN 20 FT. FROM THE EQUIPMENT MEASURED ALONG THE CENTERLINE OF SUCH PASSAGEWAY. EVERY PASSAGEWAY SHALL BE UNOBSTRUCTED AND SHALL HAVE SOLID CONTINUOUS FLOORING NOT LESS THAN 24 IN. WIDE FROM THE EQUIPMENT, ON THE CONTROL SIDE AND OTHER SIDES WHERE ACCESS IS NECESSARY FOR SERVICING THE EQUIPMENT, A LEVEL PLATFORM EXTENDING A MINIMUM 30 IN. FROM THE EDGE OF THE EQUIPMENT WITH A 36 IN. HIGH CLEAR WORKING SPACE SHALL BE PROVIDED. TOP OR BOTTOM SERVICE EQUIPMENT SHALL HAVE A FULL CLEARANCE ABOVE OR BELOW THE UNIT FOR COMPONENT REMOVAL.
- SUPPLY AIR SYSTEMS AND RETURN AIR SYSTEMS INSTALLED IN AN ATTIC, VENTILATED CRAWL SPACE OR OTHER NON-CONDITIONED AREA SHALL BE INSULATED.
- DO NOT SCALE DIRECTLY FROM THE HVAC DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL INFORMATION.

HVAC KEYED NOTES

- LOCATE THERMOSTAT AS INDICATED WITH THE TOP OF THE THERMOSTAT AT 48 IN. ABOVE FINISHED FLOOR. SEAL ALL THERMOSTAT CONDUITS AT TOP AND BOTTOM OF CONDUIT. PROVIDE INSULATED BACKING FOR MOUNTING THERMOSTATS.
- FIELD VERIFY EXISTING T-STAT LOCATION AND INSTALL NEW THERMOSTAT TO EXISTING LOCATION.

MECHANICAL LEGEND

-  SUPPLY DUCT SECTION
-  RETURN OR EXHAUST DUCT SECTION
-  CEILING SUPPLY GRILLE
-  CEILING RETURN GRILLE
-  CEILING EXHAUST GRILLE
-  SIDEWALL SUPPLY OR RETURN GRILLE
-  SEE KEYED NOTES
-  SUPPLY, RETURN, OR EXHAUST DUCT
-  DEMO DUCT
-  EXISTING SUPPLY, RETURN, OR EXHAUST DUCT
-  VOLUME DAMPER
-  FLEX DUCT CONNECTION MAXIMUM OF 5 FT.
-  THERMOSTAT, MOUNT AT 48" A.F.F. TO TOP (NUMBER DENOTES VAV BOX OR REHEAT COIL UNIT)

AIR DISTRIBUTION SCHEDULE

MARK	CFM	NECK SIZE	MFG.	MODEL	TYPE	FINISH	FRAME	REMARKS/ACCESSORIES
A	105-200	8"Ø	TITUS	TMS	4-WAY SUPPLY	WHITE	T-BAR LAY-IN	1
B	225-300	10"Ø	TITUS	TMS	4-WAY SUPPLY	WHITE	T-BAR LAY-IN	1
C	200-1200	22" X 22"	TITUS	355RL	RETURN	WHITE	T-BAR LAY-IN	1, 2

REMARKS/ACCESSORIES

- STEEL CONSTRUCTION.
- NO SCREEN HOLES.

VAV SCHEDULE OWNER PROVIDED

MARK	MFG	MODEL#	COOLING				HEATING WATER COIL							REMARKS/ACCESSORIES		
			CFM	MIN CFM	INLET DIA. (IN.)	MAX A.P.D. (IN.)	CFM	ROWS	UNIT EAT °F	LAT °F	EAT °F	DELTA T °F	GPM		WPD (FT.)	MBH
EX-V-5	TITUS	DES V	1560	421	16		3	55	45	130	30					Ø
EX-V-6	TITUS	DES V	241	241	12		3	55	45	130	30					Ø
V-1	METALAIRE	TH	1400	260	12	0.41	700	2	55	45	160	27	2.33	0.46	30.34	1, 2, 3, 4, 5, 6, 7
V-2	METALAIRE	TH	300	100	Ø	0.07	150	1	55	45	160	13	1.03	0.7	6.5	1, 2, 3, 4, 5, 6, 7
V-3	METALAIRE	TH	410	100	Ø	0.21	300	2	55	45	160	30	0.89	0.14	13.16	1, 2, 3, 4, 5, 6, 7

REMARKS/ACCESSORIES

- MAX INLET VELOCITY 2000 FT/MIN
- BOX SHALL HAVE 1" FOIL FACE INTERNAL LINING.
- DDC ACTUATOR PROVIDED BY CONTROLS CONTRACTOR AND FIELD INSTALLED
- PROVIDE FACTORY INSTALLED 120/24 VOLT TRANSFORMER.
- PROVIDE HORIZONTAL HANGING KIT.
- PROVIDE AIR FLOW MEASURING DEVICE.
- MECHANICAL CONTRACTOR SHALL COMPLETELY INSULATE HEATING WATER COIL BOX, EXTERNAL PIPING AND VALVE BODIES.
- ADJUST AND BALANCE AIR FLOW AS NEEDED.



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AN INTERIOR REMODEL FOR
RPS IT DEPARTMENT
 715 W EASY ST., ROGERS, AR 72756

DRAWN BY:
DCN
CHECK BY:
NEW

ISSUE DATE
02/17/2025

PROJECT NO.
2441

REVISION DATES
03/10/2025
03/21/2025

HVAC NOTES & LEGEND

S H E E T

M1.1

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NOTES:
REFER TO SHEET M2.1 FOR HVAC PLANS. REFER TO SHEET M3.1 FOR HVAC DETAILS. REFER TO SHEET M5.1 FOR HVAC SCHEDULES.



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