

AC	ABOVE CEILING	ID	INSIDE DIMENSION
AC	AIR CONDITIONING	IN	INCHES
AD	ACCESS DOOR		
ADJ	ADJUSTABLE	KW	KILOWATTS
AF	AFFRABOVE FINISHED FLOOR		
AHU	AIR HANDLING UNIT	LAT	LEAVING AIR TEMPERATURE
AUTO	AUTOMATIC	LB	POUNDS
B/F	BELOW FLOOR	LG	LINEAR GRILLE
B/G	BELOW GRADE	LNG	LINEAR RETURN GRILLE
BAL	BALANCING	LWR	LOOP WATER RETURN
BCO	BASE CLEANOUT	LWS	LOOP WATER SUPPLY
BOD	BACKFLOW DAMPER		
BFL	BUTTERFLY	MAX	MAXIMUM
BHP	BRAKE HORSEPOWER	MD	MAXIMUM DAMPER
BOD	BASIS OF DESIGN/BOTTOM OF DUCT	MIN	MINIMUM
		MOD	MOTOR OPERATED DAMPER
		MFR	MANUFACTURER
CBCR	CURVED CEILING REGISTER CO	NC	NORMALLY CLOSED
CFD	CEILING DIFFUSER	NGFH	NON-FREEZE GROUND HYDRANT
CMR	CUBIC FEET PER MINUTE	NFWH	NON-FREEZE WALL HYDRANT
CHWR	CHILLED WATER RETURN	NS	NATURAL GAS
CHWS	CHILLED WATER SUPPLY	NO	NORMALLY OPEN
CN	CLEANOUT	NOM	NOMINAL
COND	CONDENSATE		
CS	CONDENSING UNIT		
CW	COLD WATER (DOMESTIC)	OA	OUTSIDE AIR
CWR	CONDENSER WATER RETURN	OBD	OPPOSED BLADE DAMPER
CWS	CONDENSER WATER SUPPLY	OD	OUTSIDE DIMENSION
dB	DECIBELS	PIU	POWERED INDUCTION UNIT
DB	DRY BULB	PSI	POUNDS PER SQUARE INCH
do	DITTO		
DN	DOWN	RA	RETURN AIR
DR	DRAIN	RAD	RADIUS
DWG	DRAWING	RAG	RETURN AIR GRILLE
		RAR	RETURN AIR REGISTER
EA	EACH	RED	REDUCER
EATEN	EATING AIR TEMPERATURE	RL	REFRIGERANT LIQUID
EC	ECCENTRIC	RS	REFRIGERANT SUCTION
EF	EXHAUST FAN	RTU	ROOFTOP UNIT
EFF	EFFICIENCY		
ER	EXHAUST REGISTER	SA	SUPPLY AIR
ESP	EXTERNAL STATIC PRESSURE	SAN	SANITARY
EW	EXTERNAL WATER RETURN	SD	SMOKE DAMPER
EX	EXISTING	SEN	SENSIBLE
EXH	EXHAUST	SP	STATIC PRESSURE
		SPS	STATIC PRESSURE SENSOR
		SQ	SQUARE
F	FAHRENHEIT	SR	SUPPLY REGISTER
FCO	FLOOR CLEANOUT	SS	SPLIT SYSTEM
FCU	FAN COIL UNIT	ST	STORM
FD	FIRE DAMPER		
FLR	FLOOR		
FBR	FAT ON BOTTOM	TEMP	TEMPERATURE
FOR	FUEL OIL RETURN	TG	TRANSFER GRILLE
FOT	FUEL OIL SUPPLY		TYPICAL
FOT	FAT ON TOP		
FFM	FEET PER MINUTE	UNO	UNLESS NOTED OTHERWISE
PROFET	PER SECOND		
FSO	FIRE/SMOKE DAMPER	V	VENT
FT	FEET	VA	VALVE
		VAV	VARIABLE AIR VOLUME
G	GATE	VT	VERTICAL THRU ROOF
GA	GAUGE		
GPM	GALLONS PER MINUTE	wb	WET BULB
		WC	WATER COLUMN
HD	HUB DRAIN	WHA	WATER HAMMER ARRESTOR
HP	HORSEPOWER	WT	WEIGHT
HTG	HEATING	W	WASTE
HW	HOT WATER (DOMESTIC)		
HHW	HEATING HOT WATER RETURN		
HHWS	HEATING HOT WATER SUPPLY		
HWHR	HOT WATER REVERSE RETURN		

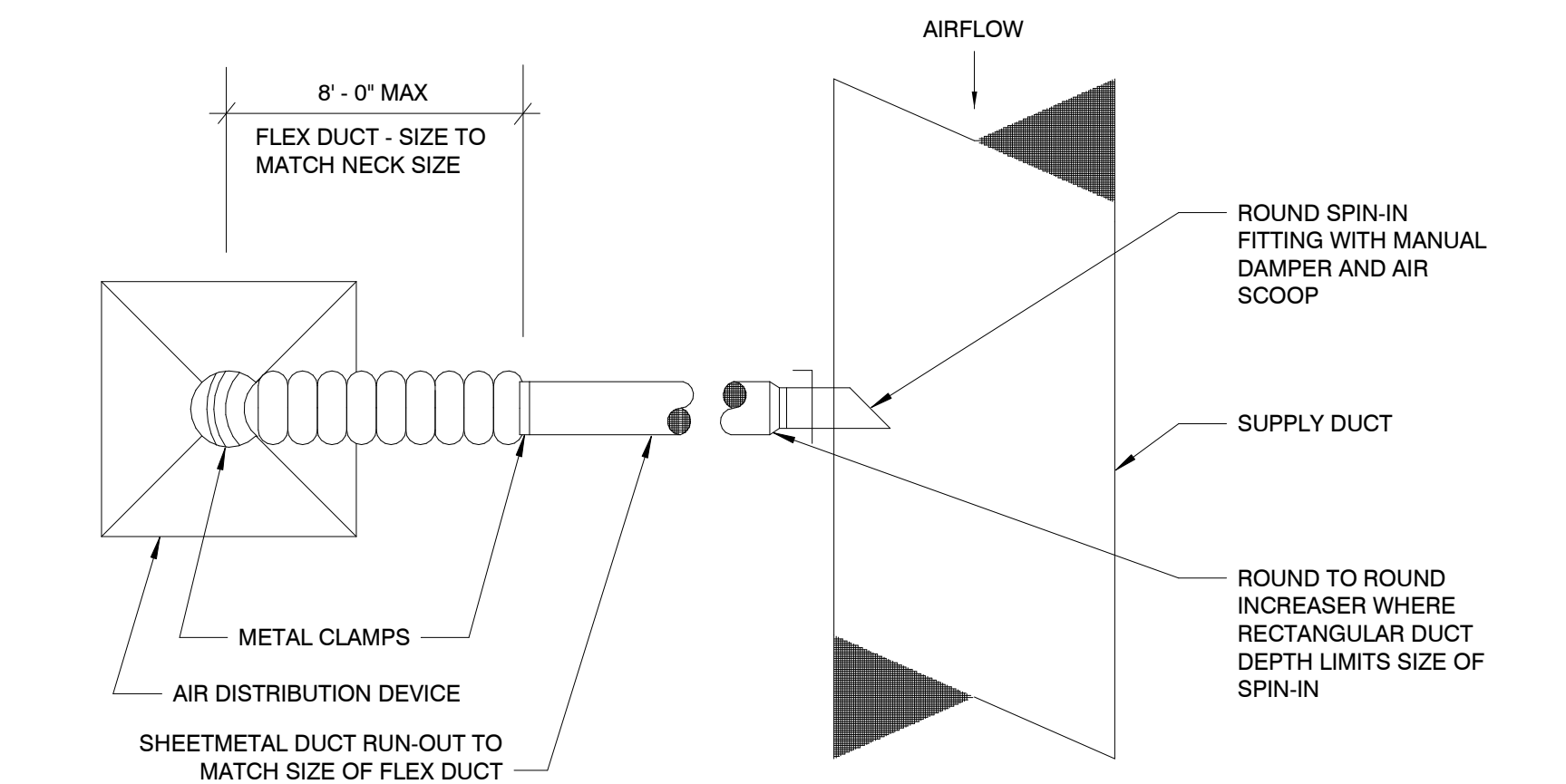
1. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE TENSILE MECHANICAL SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, ACCESSORIES, OPTIONS AND CONNECTIONS TO FULLY COMPLY WITH ALL REQUIREMENTS. ALL ITEMS AND LABOR REQUIRED FOR A COMPLETE TENSILE MECHANICAL SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THE BASE BUILDING CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ADDITIONS TO THE CONTRACT.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT PARTITION LAYOUTS, REFLECTED CEILING PLANS, DIMENSIONS, ETC.
3. PROVIDE ALL MANUFACTURER AND NEC REQUIRED CLEARANCES FOR ALL EQUIPMENT.
4. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES. IF ANY ITEMS ARE NOT SHOWN ON THE REFLECTED CEILING PLANS, PREPARE A DRAWING OF THE PROPOSED LOCATION AND PRESENT IT TO THE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
5. ALL ROUND AND FLEXIBLE DUCTWORK EXTENDING TO DIFFUSERS SHALL BE SIZED FULL SIZE OF DISTRIBUTION DEVICE INLET. FLEXIBLE DUCTS SHALL BE SUPPORTED AT NOT MORE THAN 48" C/C. REFER TO DETAIL 1 ON THIS SHEET FOR TYPICAL DIFFUSER CONNECTION, NEW LOW PRESSURE SPIN-IN FITTINGS AND TAPS SHALL NOT BE MADE WITHIN 60" OF OUTLET OF EQUIPMENT. NEW LOW PRESSURE SPIN-IN FITTINGS SHALL BE MADE NO CLOSER THAN 30" C/C.
6. TEST AND BALANCE ALL DIFFUSERS, ETC. TO THE AIRFLOWS AND CONDITIONS INDICATED. AIR QUANTITIES AS SHOWN SHALL BE USED TO BALANCE THE SYSTEM PER WALL, TESTING AND BALANCING OF AHU'S AND HVAC SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AIA/CES AND SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN AABC OR NEBB CERTIFIED TEST AND BALANCE ENGINEER. SUBMIT 4 COPIES OF THE REPORT TO THE OWNER.
7. ADJUST ALL DIFFUSERS IN CORRIDORS OR WITHIN 36" OF A WALL TO PROVIDE 2: WAY OR 3: WAY BLOW AROUND OR PARALLEL TO WALLS. ALL LAY-IN DIFFUSERS SHALL HAVE 4:WAY BLOW UNLESS NOTED OTHERWISE.
8. ALL CONTROL WIRING AND TUBING INSTALLED ABOVE THE CEILING SHALL BE LOCATED AS HIGH ABOVE THE CEILING AS POSSIBLE AND SHALL FOLLOW THE DESIGNATED GENERAL ROUTING OF THE DUCTWORK. DO NOT HANG WIRING OR TUBING FROM DUCTWORK, RATHER, SUSPEND FROM THE STRUCTURE.
9. THERMOSTATS SHALL BE LOCATED IN EACH ZONE AS SHOWN. THE EXACT LOCATION ON THE WALL INDICATED SHALL BE AS DIRECTED BY THE ARCHITECT. NEW THERMOSTATS SHALL BE SELECTED TO MATCH EXISTING BASE BUILDING THERMOSTATS AND SHALL BE COMPATIBLE WITH EQUIPMENT SERVED. THERMOSTATS ON EXTERIOR WALLS SHALL BE PROVIDED WITH INSULATED BACKING.
10. MECHANICAL SYSTEMS SHALL BE FUNCTIONALLY TESTED TO ENSURE PROPER WORKING CONDITION IN ACCORDANCE WITH 2015 IECC, SECTION C408.2 WITH GA AMENDMENTS. PROVIDE DOCUMENTATION TO ENGINEER PRIOR TO FINAL INSPECTION. COPIES OF ALL DOCUMENTATION SHALL BE GIVEN TO THE BUILDING OWNER OR OWNERS AUTHORIZED AGENT WITHIN 90 DAYS OF THE COMPLETION OF OCCUPANCY AND MADE AVAILABLE TO THE CODE OFFICIAL UPON REQUEST PER 2015 IECC, SECTIONS C408.2.4 AND C408.2.5.

TAG	MINIMUM TOTAL CAPACITY (MBH)	MINIMUM SENSIBLE CAPACITY (MBH)	SUPPLY FAN		COIL EAT		HEATING		AMBIENT TEMP (°F)	OUTSIDE AIR CFM	MCA / VOLTS	MCP / PHASE	EER (2)	WEIGHT (LBS)	BASIS OF DESIGN	REMARKS	
			AIRFLOW 3000 cfm	EXT. S.P. (1) 1.5	MOTOR (1-P) 3	°F db	°f wb	TYPE									MINIMUM 120 MBH
RTU-1	93.62 MBH	73.00 MBH				80.0	67.0	HGRH		95.0	450.0	25.0/30.0	460/3	11.0	1206	TRANE YSK090A4S0L	(3) (4)

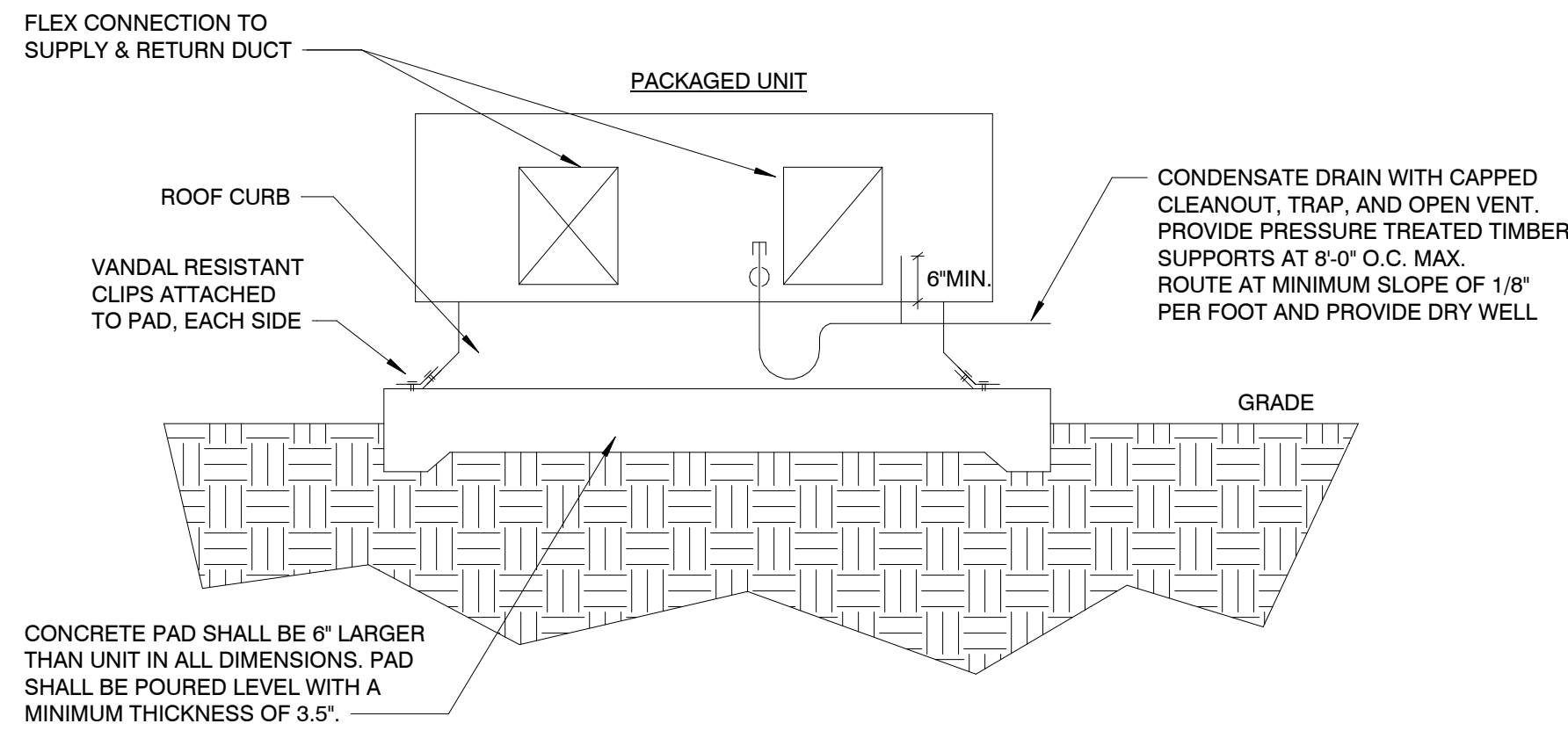
- (1) THIS IS THE S.P. EXTERNAL TO THE ENTIRE UNIT ASSEMBLY (WET COIL, CASING, CLEAN FILTERS, AND FURNACE LOSSES ARE NOT INCLUDED IN THIS EXTERNAL S.P.).
- (2) RATINGS BASED ON AHRI 360 APPLICATION CONDITIONS.
- (3) PROVIDE SMOKE DETECTORS IN SUPPLY DUCTWORK FOR AUTOMATIC SHUTDOWN IN COMPLIANCE WITH NFPA 72. DETECTORS SHALL BE SUPPLIED BY DIV. 26 AND INSTALLED BY DIV. 23.
- (4) PROVIDE UNIT WITH HOT GAS REHEAT AND HUMIDITY CONTROL.

I.D. TAG	DESCRIPTION	CAPACITY (KW)	MIN. CFM	FAN H.P.	VOLTS/ PHASE	BASIS OF DESIGN	REMARK S
EW-H-A	WALL HEATER	3.0	-	-	208/1	REDD-I AFA240D	(1)

- (1) PROVIDE HEATER WITH INTEGRAL THERMOSTAT AND DISCONNECT SWITCH. UNITS SHALL BE RECESSED IN STUD WALLS OR SURFACE MOUNTED ON BLOCK AND RATED WALLS UNLESS NOTED OTHERWISE ON DRAWINGS. PROVIDE WITH WHITE FINISH.



1 DIFFUSER CONNECTION DETAIL
M001-I NTS



RTU DETAIL
12" = 1'-0"



05/22/2026

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Rev	Date	Comments
	05/22/2026	Permit & Bid Set

Client:

Fannin County

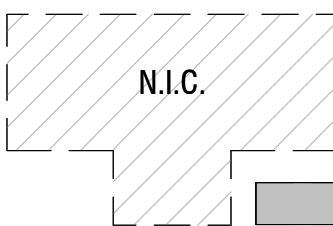
Project Number: 24184

Project Name:

Fannin County Rec Center - Phase I

580 Winding Drive
Blue Ridge, Georgia 30513

Key Plan:



Sheet Title:

MECHANICAL LEGEND AND DETAILS

Sheet Number:

M001-I