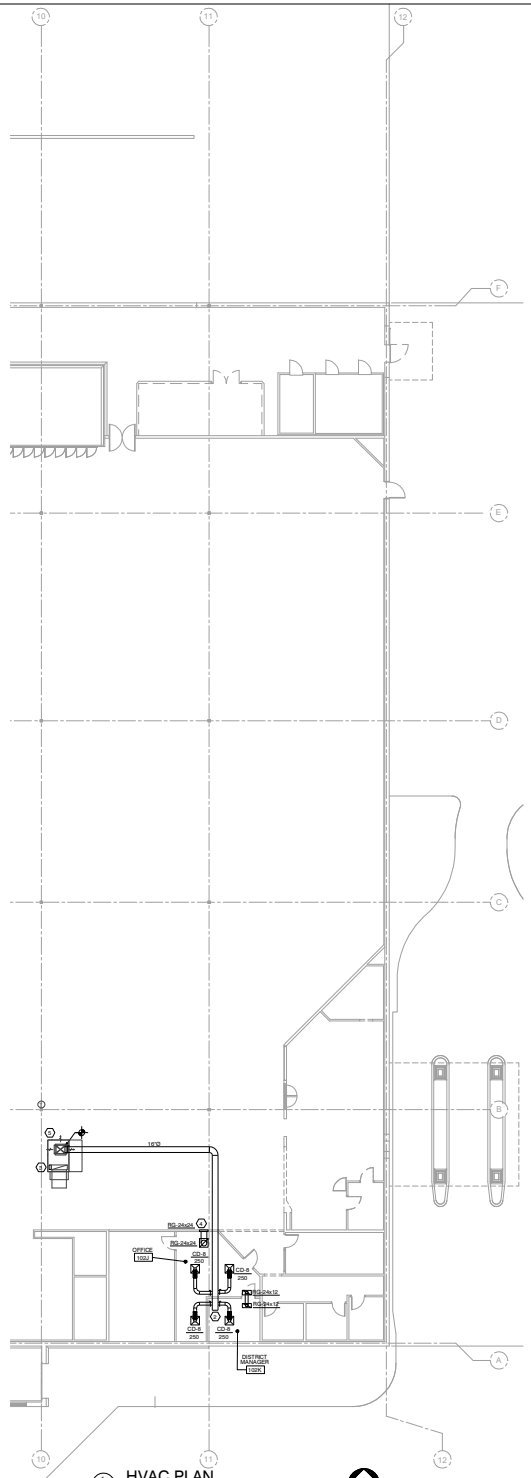

1 M1.2 HVAC PLAN

SCALE: 3/32"=1'-0"

KEY NOTES

1. NEW RTU - FIELD COORDINATE EXACT LOCATION WITH EXISTING CONDITIONS AND OTHER TRADES. FINAL LOCATION TO BE TO BE COORDINATED WITH STRUCTURAL REINFORCING. LOCATE MINIMUM 10' FROM ROOF EDGE.
2. ROUTE DUCT 18" ABOVE NEW CEILING. BALANCE DAMPERS MUST BE ACCESSIBLE FROM CEILING GRID AND WITHIN 18" OF GRID.
3. NEW DUCT MOUNTED SMOKE DETECTOR PROVIDED BY OTHERS. INSTALL SAMPLING TUBE(S) AND DETECTOR HOUSING IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. FAN SHUTDOWN WIRING AND CONTROLS BY OTHERS. LOCATE REMOTE TEST SWITCH ON NEARBY COLUMN - COORDINATE LOCATION WITH PROJECT MANAGER. COORDINATE POWER WITH EC.
4. LOCATE TRANSFER GRILL HIGH ON WALL. COORDINATE LOCATION WITH EXISTING CONDITIONS AND PROJECT MANAGER.
5. REBALANCE EXISTING DROP BOX DIFFUSER TO 4000 CFM.

GENERAL NOTES

SEE SHEET M1.1 FOR GENERAL NOTES, SYMOBLS, AND ABBREVIATIONS.

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AIR DEVICE SCHEDULE

TAG	BASIS OF DESIGN	DESCRIPTION	MODEL	CFM	SIZE	OPTIONS 1	2	3	4	5	REMARKS
DB-2W	AES INDUSTRIES	DROP BOX - 2 WAY	ADB-1-10-2	4,000	SEE PLANS		X				
DB-3W	AES INDUSTRIES	DROP BOX - 3 WAY	ADB-1-10-3	4,000	SEE PLANS		X				
DB-4W	AES INDUSTRIES	DROP BOX - 4 WAY	ADB-1-10-4	4,000	SEE PLANS		X				
DB-2W	AES INDUSTRIES	DROP BOX - 2 WAY	ADB-1-12-2	5,000	SEE PLANS		X				
DB-3W	AES INDUSTRIES	DROP BOX - 3 WAY	ADB-1-12-3	5,000	SEE PLANS		X				
DB-4W	AES INDUSTRIES	DROP BOX - 4 WAY	ADB-1-12-4	5,000	SEE PLANS		X				
DB-2W	AES INDUSTRIES	DROP BOX - 2 WAY	ADB-1-15-2	6,000	SEE PLANS		X				
DB-3W	AES INDUSTRIES	DROP BOX - 3 WAY	ADB-1-15-3	6,000	SEE PLANS		X				
DB-4W	AES INDUSTRIES	DROP BOX - 4 WAY	ADB-1-15-4	6,000	SEE PLANS		X				
DB-6W	AES INDUSTRIES	DROP BOX - 6 WAY	ADB-6-20	8,300	SEE PLANS		X				
CD - (size)	TITUS	CEILING DIFFUSER	TDC	SEE PLANS	SEE PLANS	X		X		X	
CSD - (size)	TITUS	CURVED SIDEWALL DIFFUSER	350RFS	SEE PLANS	SEE PLANS				X		
SDR - (size)	TITUS	ROUND DIFFUSER	TMRA	SEE PLANS	SEE PLANS			X			
SG - (size)	TITUS	SIDE WALL DIFFUSER	300RS	SEE PLANS	SEE PLANS	X		X			
RG - (size)	TITUS	RETURN GRILLE	23RL	SEE PLANS	SEE PLANS	X		X		X	
EG - (size)	TITUS	EXHAUST GRILLE	350FL	SEE PLANS	SEE PLANS	X		X		X	
VAV-DIFF	ACUTHERM	VAV DIFFUSER	TF-HC	SEE PLANS	SEE PLANS						

OPTIONS/ACCESSORIES

1 PLASTER FRAME WHERE LOCATED IN GYPSUM CEILING - SEE PLANS
2 NO SUBSTITUTIONS ALLOWED
3 DUCT RUN-OUT SAME SIZE AS NECK UNLESS NOTED OTHERWISE
4 WITH FACTORY AIR SCOOP DAMPER/EXTRACTOR
5 PROVIDE OPTIONAL BALANCE DAMPER

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DUCTWORK SCHEDULE

SERVICE	LOCATION	SERVES	MATERIAL	PRESSURE CLASS	INSULATION 1	2	3	4	5	6	REMARKS
SUPPLY	INSIDE	ROOF TOP UNITS	GALVANIZED	2" wc	X					X	
RETURN	INSIDE	ROOF TOP UNITS	GALVANIZED	2" wc	X					X	
EXHAUST	INSIDE	EXHAUST	GALVANIZED	2"wc					X		
HOOD	INSIDE	EXH HOOD SYSTEMS	16 GA BLACK IRON	WELDED			X				
OVEN	INSIDE	BAKERY OVENS	B-VENT	N/A							
TRANSFER	INSIDE	INTERIOR SPACES	GALVANIZED	2" wc	X					X	
FLUE	INSIDE	UNIT HEATERS	PVC	N/A							
COMBUSTION AIR	INSIDE	UNIT HEATERS	GALVANIZED	2" wc					X		
VENT	INSIDE	TORILLA MACHINE	STAINLESS STEEL	N/A							
VENT	INSIDE	WATER HEATER (GAS)	B-VENT	N/A							

INSULATION (SEE SPECIFICATIONS FOR ADDITIONAL DETAILS)

1 1" INTERNAL LINER
2 1.5" EXTERNALLY WRAPPED
3 FIRE WRAP
4 1" INTERNAL LINER FIRST 10 FEET FROM CONNECTION TO UNIT UNLESS OTHERWISE NOTED
5 1.5" EXTERNALLY WRAPPED FIRST 5 FEET FROM ROOF/EXTERIOR PENETRATION
6 ALL EXPOSED DUCTWORK TO BE PAINTGRIP - READY FOR PAINT BY OTHERS - WITH 1" INTERNAL INSULATION

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ISSUE/REVISION

04/14/2017
BID ISSUE / PERMIT SET

1 06/30/2017
BULLETIN NO. 1

PROJECT TITLE
WITHIN-THE-WALLS

DAL578

2608 W FM 544
WYLIE, TX

COMMISSION NO. 516336

ISSUE DATE

SHEET TITLE
HVAC OFFICE NEW WORK PLAN

1

SHEET NO.
M1.2

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