

Report By:

National TAB
1329 E. KEMPER ROAD
SUITE 4210
CINCINNATI, OH 45246



Report: Prelim Report
Function: Test, Adjust, & Balance
Date: 01/20/2025
Completed By: National TAB

PROJECT
First Financial Bank (Kettering, OH)

4391 Far Hills Ave

Kettering, OH 45429

Client

WAT-KEM Mechanical
2755 S. County Road 25A

Troy, OH 45373

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Project: First Financial Bank (Kettering, OH)

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Our goal on site at First Financial Bank was to confirm the totals taken when balanced by Ben with Wat-Kem Mechanical and ensure supply totals were within 10% of design. After conducting diffuser readings, we were able to confirm that 5 of 7 fell within this range, which reflected the readings Ben got previously. The vestibule diffuser designed for 180 CFM is supplying 83 CFM. I verified that the balancing damper was 100% open. The diffuser located in the open office area designed for 310 CFM is supplying 234 CFM. As with the other below-design diffuser, I confirmed the accompanying balancing damper is 100% open. There were no diffusers above design from which we could re-direct airflow to these low diffusers. After speaking with Don @ Wat-Kem he directed me to report the readings as is, as increasing unit speed could potentially shift other diffusers outside design and negatively impact other areas in the space.

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Diffuser Supply (GRD)

AIR DEVICES/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
SGRD1	230	SD	10	180	163	163	90.6
SGRD3	135	8	100	100	97	97	97.0
SGRD4	134	SG	180	180	83	83	46.1
SGRD6	133	SD	8	160	153	153	95.6
SGRD7	132	SD	160	160	150	150	93.8
SGRD8	128	SD	10	310	234	234	75.5
SGRD9	131	SD	8	160	172	172	107.5
Total				1250	1052	1052	84.16%

Completed By: Jordan Best on 01/20/2025