



February 11, 2025

Mr. Marty Cline
Hopkins County Schools
320 South Seminary St.
Madisonville, Kentucky 42431

Re: *Proposal Recommendation – Testing Adjusting and Balancing & Commissioning (REV1)*
Hopkins County Board Office Renovation
Madisonville, Kentucky
Marcum No. 22632

Mr. Cline,

Proposals were received on February 4, 2025 for the Hopkins County Board Office Renovation Testing, Adjusting and Balancing as well as proposals for Commissioning. Marcum Engineering has reviewed the proposals and present our recommendations along with the proposal tabulation.

Testing Adjusting and Balancing (TAB):

This service provides the testing, adjusting, and balancing of the air systems to be installed at the Hopkins County Board Office. The TAB Contractor will provide a representative to take part in the Commissioning of the facility as well as perform duct leakage testing. This service is required to ensure engineered, code required flowrates are met at the facility.

Marcum recommends acceptance of Thermal Balance's proposal in the amount of **\$13,700.00** for the Base Bid. Alternate #4 does not impact Thermal Balance's proposal. See attached Thermal Balance Proposal for further details.

Commissioning:

This third-party service is required by Kentucky Building Code for energy efficiency. The Commissioning Authority verifies all HVAC, Plumbing and Lighting systems to ensure proper functionality and to ensure the Owner will get the building performance expected.

Marcum recommends acceptance of Performance Commissioning Agency's proposal in the amount of **\$17,210.00 for the Base Bid plus Alt4**. See attached Performance Commissioning Agency Proposal for further details.

Hopkins County Schools will need to sign each proposal and return that to each Contractor along with a Purchase Order number. It is imperative that these services be hired direct by the Owner per KDE recommendations.

Sincerely,

A handwritten signature in black ink, appearing to read "Logan Overturf", with a long horizontal flourish extending to the right.

Logan Overturf, PE
Project Manager / Mechanical Engineer

Enclosure: TAB and Commissioning Proposal Tabulation: 1-Page
Thermal Balance Proposal dated February 4, 2025: 1-Page
Performance Commissioning Agency Proposal dated February 4, 2025: 3-Pages

cc: Andrew Owens, SCB Architects
Derek Brooks, SCB Architects

PROPOSAL TABULATION - TAB AND COMMISSIONING (REV1)

HOPKINS COUNTY BOARD OFFICE RENOVATION

HOPKINS COUNTY SCHOOLS

MADISONVILLE, KENTUCKY

MARCUM ENGINEERING NO. 22632

2/4/2025

CONTRACTOR	BASE	ADD ALT1	ADD ALT2	ADD ALT4
TESTING, ADJUSTING AND BALANCING (TAB):				
THERMAL BALANCE, INC.	\$ 13,700.00	\$ 130.00	\$ 130.00	N/A
SYNERGY TEST AND BALANCE	\$ 14,716.00	\$ 160.00	\$ 160.00	N/A
COMMISSIONING:				
PERFORMANCE COMMISSIONING AGENCY	\$ 16,170.00	\$ 300.00	\$ 600.00	\$ 1,040.00
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Date: February 4, 2025

AABC Certification #03-06-38

TBI Quote #Q141045

This proposal is to furnish the Test and Balance services per the AABC Standards, Seventh Edition and is valid for 30 days from the above date. Any deviations or clarifications listed are a part of this quote and unless noted will be for an unoccupied facility and regular working hours. This quote is in accordance with the US Department of Labor Davis-Bacon Act Section 15e06.

Project: HOPKINS COUNTY SCHOOL
BOARD RENOVATION
MADISONVILLE, KY

Total: \$13,700.00

Drawings: 1/14/25

Provided Services:

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Air Balance | <input type="checkbox"/> Sound Testing | <input checked="" type="checkbox"/> Cx Team Member | <input type="checkbox"/> System Analysis |
| <input type="checkbox"/> Water Balance | <input type="checkbox"/> Vibration Testing | <input type="checkbox"/> Pretesting | <input checked="" type="checkbox"/> Duct Testing |

Excluded Services:

1. Any sheaves, belts, balancing or control devices or installations thereof
2. Any lifts or scaffolding, as-builts, cleaning, lubing or uniform space temperature balancing
3. Any return trips for inoperable equipment, deficiencies, troubleshooting, report reviews, or final inspections
4. Any subscriptions, memberships or 3rd party requirements
5. Hardware and/or software for DDC and/or electronic control systems
6. Any seasonal or zone temperature testing

Remarks:

- 40 HOURS FOR DUCT LEAKAGE TESTING IS INCLUDED AS SPECIFIED. DUCT TESTING RATE = \$130.00/HOUR
- ALT. 1 - ADD \$130.00
- ALT. 2 - ADD \$130.00

Nicholasville, KY 859.277.6158
Paducah, KY 270.744.9723

Ashland, KY 606.325.4832

HOPKINS COUNTY BOARD OF EDUCATION RENOVATION MADISONVILLE, KY

COMMISSIONING PROPOSAL

PROVIDED BY:



PERFORMANCE COMMISSIONING AGENCY

13051 WOODVILLE ROAD

KEVIL, KY 42053

P: (859) 277 - 0191



Project: Hopkins County Board of Education
Renovation
Madisonville, KY

Date: 2/4/2025

Specification: 230800

The amount below is the estimated cost for Performance Commissioning Agency ("PCA") to provide commissioning services per the contract documents. This cost quote is only for the services provided by PCA and does not include any services provided by the owner, architect, engineer, or contractors unless stipulated below.

Commissioning services included:

☒ HVAC ☒ Domestic Water ☒ Lighting ☐ Building Envelope Testing

Total: \$16,170.00

Remarks:

Price includes Commissioning plan, System Verification, functional performance test, And final commissioning report. Alt. 1 – Add \$300.00 Alt 2 – Add \$600.00 Alt 4 – Add \$1,040.00

Excluded from this quote are the following:

1. Any costs associated with delayed or failed test by any commissioning team member
2. Any costs associated with existing systems deficiencies beyond our control
3. Any costs associated with any commissioning team member's failure to perform their due diligence

If this proposal is accepted, please sign below and return.

Sincerely,

Steve Turner, President, TBT, CXA
sturner@perfcx.com

Signature

Printed Name/Title

This quote is valid for 30 days from the date written above.

Systems to be commissioned:

- **Domestic Hot Water System**
- **Exhaust Fans**
- **HVAC Controls**
- **Louvers / Vents**
- **Unit Heaters**
- **Packaged Outdoor Units**
- **Ductless Split Heat Pumps**
- **Lighting Systems**

Additional services not included in the scope of work will be billed at \$130.00 per hour.

Once all equipment has been started and balanced, we will then begin functional testing. Functional performance tests will be created and carried out based on the design documents. PerfCx will functionally test all equipment above with the aid of the contractors to ensure that all equipment is operating at or as close as possible to design conditions.

Once all testing is complete, we will submit a detailed final report with our findings to the owner and engineer for review.