



DANNY CLEMENS, DIRECTOR
TRACY PARSLEY, MAINTENANCE SUPERVISOR
THOMAS STOKES, CUSTODIAL SUPERVISOR
GEORGE BROCK, ENERGY MANAGER

DEPARTMENT OF FACILITIES

MEMO

TO: Dr. Jesse Bacon, Superintendent
FROM: Danny Clemens, Director of Facilities
Date: September 18, 2025
RE: North Bullitt PSC - BG 24-192 - Test and Balance Services **DC**

There were three Testing and Balancing quotes for the North Bullitt Physical Science Center.. Recommended is awarding Test and Balance Services to Thermal Balance. While the post-bid BG-1 did not include a dedicated line item for Test and Balance Services, these costs can be covered under the Commissioning line item. The total allocation for Commissioning is \$100,000, and Commissioning Services for this facility are quoted at \$24,575.

Thermal Balance: (Recommended) \$14,650.00
Synergy Test and Balance: \$15,257.00
Flo-Tech Test and Balance: \$26,165.00

I recommend approval of this request.

.Attached paperwork is listed below with *action items* noted for each:

- Thermal Balance: (Recommended) - *for Board Signature*
- Synergy Test and Balance Quote - *for Board Reference*
- Flo-Tech Test and Balance Quote - *for Board Reference*

OUR MISSION IS TO INSPIRE AND EQUIP OUR STUDENTS TO SUCCEED IN LIFE

BULLITT COUNTY PUBLIC SCHOOLS IS AN EQUAL EDUCATION AND EMPLOYMENT INSTITUTION



THERMALBALANCE INC.

ThermalBalance.com

Date: August 8, 2025

AABC Certification #03-06-38

TBI Quote #Q141917

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: NORTH BULLITT - PHYSICAL
SCIENCE CENTER
SHEPHERDSVILLE, KY

Total: \$14,650.00

Drawings: 6/24/24

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 checked="" type="checkbox"/> Water Balance | <input type="checkbox"/> Vibration Testing | <input type="checkbox"/> Pretesting | |

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

Remarks:

Nicholasville, KY 859.277.6158
Paducah, KY 270.744.9723



ThermalBalance.com

Ashland, KY 606.325.4832





Synergy Test and Balance

8355 Rockville Road Suite 36 | Indianapolis, IN 46234 | Tel. (317) 222-1828
154 Burt Road | Lexington, KY 40503

PROJECT: North Bullitt *Cheryl L. Yates*
BCPS - Bullitt Central High School DATE: 08/06/2025
Physical Science Center
Shepherdsville, KY
Drawings: 5/21/25
Addenda: 1 to 2
Specification: 203100

The amount referenced below reflects our cost to perform Test and Balance (TAB) Services for equipment listed below.

TAB Base Bid:	<u>\$15,257.00</u>
TOTAL:	<u>\$15,257.00</u>

Duct Leakage Test Per Trip Cost:	<u>\$1,000.00</u>
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Please be advised of the following:

- 1) Synergy Test and Balance performs work as an independent, third party owner advocate in accordance with AABC National Standards.
- 2) Each contractor must include time in their proposal to perform stipulated tests. The costs associated with other contractors' work are not included in the Synergy Test and Balance fee amount.
- 3) Contractors not adhering to the TAB schedule will assume responsibility for lost time of other participating contractors, consultants, and owner's personnel.
- 4) Retests required due to concealed conditions, design, or installation issues are not included in our base scope of work.
- 5) Lost time or issues related to the requirements noted above will be reported to the project manager in a timely manner following the occurrence.
- 6) This price is based on an unoccupied facility unless indicated below.
- 7) Synergy will note functional or installation issues in a Field Report and back check one time. Issues not corrected will be included in the final TAB Report. Subsequent rebalance of those systems will result in additional charges.

Please note our standard hourly rates for services extended beyond the scope of this proposal can be provided upon request.

Thank you for the opportunity to provide a quotation on the above referenced project. Please call if there are any questions: (317) 222-1828 or FAX: (317) 451-8079

NOTE: This quote is firm for thirty (30) days.

SYNERGY TEST AND BALANCE, INC.

Cheryl L. Yates, President
Cheryl@SynergyTAB.com



Synergy Test and Balance

8355 Rockville Road Suite 36 | Indianapolis, IN 46234 | Tel. (317) 222-1828
154 Burt Road | Lexington, KY 40503

THIS PROPOSAL IS ACCEPTED:

BY:

TITLE:

DATE:

PRINTED NAME:

ORGANIZATION NAME:



Synergy Test and Balance

8355 Rockville Road Suite 36 | Indianapolis, IN 46234 | Tel. (317) 222-1828
154 Burt Road | Lexington, KY 40503

Equipment List

- DOAS-1
- VHP's
- VAV's
- EF-4
- GRD's
- Geothermal Field
- DHW Pump
- *Equipment not included in this list is specifically excluded from our quote

Notes

- Final Inspection – 203100
- Commissioning Support – 230800
- PDF Copy of TAB Report

Exclusions

- Sound and Vibration tests
- Sheave and belt changes
- Installation of dampers or valves
- Termination of wiring
- Installation of filters
- Installation of test ports for hydronic balance
- Installation of any other accessories or components
- Fees associated with memberships, subscriptions, or 3rd party requirements
- Software or Hardware required to access BAS
- Hydrostatic testing
- Steam Balance
- Refrigerant measurements
- Overtime, Weekend, or Night work
- Lifts or scaffolds

PROPOSAL



TEST & BALANCE SERVICES
AIR & HYDRONICS



10988 Ditney Hill Rd.
Elberfeld, IN 47613
(812) 983-4348

CMTA / Scott Balch

PROPOSAL SUBMITTED TO

8/27/2025

DATE

North Bullitt Physical Science Center

JOB NAME

Shephardsville, KY

JOB LOCATION

WE PROPOSE hereby to furnish Test and Balance services in accordance with the plans and specifications as noted below, for the sum of:

Twentysix Thousand One Hundred Sixty Five----- dollars (\$ 26,165.00)

Payment to be made as follows:

Authorized Signature

Description: TEST & BALANCE

Test & Balance General Scope of Work:

Test and balance services per plans and specs for 1 AHU, 1 DOAS, 13 VAVs, 11 VHPs, 1 UV, 1 Mini Split, 1 EF, 12 Ehs, 1 Chiller, 6 Pumps and all associated GRDs.

- Inspection:** Inspect general condition and installation of the HVAC systems listed above. Record equipment data and compare with design requirements.
 - Testing:** Test the HVAC systems listed above for proper operation. Note all initial readings in report before any adjustments are made.
 - Balance:** Balance and verify the HVAC systems listed above are operating per design requirements in the submittals.
 - Documentation:** Submit a FLO-TECH test and balance report with findings including the equipment data, measurements, list of deficiencies, and recommendations. For any additional documentation, FLO-TECH will need to be notified prior to the work being performed.
- Additional Notes:**
- Geographical Location:** This proposal is applicable to sites located within 60 miles or less from the FLO-TECH office in Elberfeld, IN. Additional charges may apply to sites located outside that range due to travel costs and time.
 - Scheduling:** This proposal assumes standard 8 hour working days of Monday through Friday. If work needs to be performed outside of these days or employees are required to work past their 8 hours on a given day, additional charges may apply and special coordination may be needed.
 - Site Readiness:** In order to help ensure a complete and successful balance, the site needs to be completely ready prior to FLO-TECH's arrival. If the site is deemed not ready for balancing upon FLO-TECH's arrival and if a revisit is required to complete the original scheduled scope of work, additional fees may be charged for the revisit.
 - Equipment Access:** For the protection of FLO-TECH's service personnel, safe and clear access to all applicable equipment is required. The customer is responsible for providing safe and clear access to the equipment to be balanced.
 - Site Representative:** Please ensure that the appropriate representatives (Mechanical, Electrical, Controls) are available to provide assistance during the test and balance so that the work can be completed in a timely manner.
 - Belts and Sheaves:** Unless noted in scope of work, repairs, replacements, or modifications to the installed HVAC equipment (examples: belts, sheaves, pulleys, dampers, etc.) are considered out of scope and additional charges will be applied.
 - Test & Balance Lift Contingency:** Unless noted in scope of work, if FLO-TECH is required to provide a lift rental to complete the desired scope of work, additional charges proportional to local rental rates will be applied to this proposal.

Acceptance of Proposal -- The above prices, conditions and specifications are satisfactory and are hereby accepted. You are hereby authorized to do the work as specified. Payment will be made as outlined above.

PO#

Signature

Date