

GENERAL REQUIREMENTS
STRUCTURAL PEER REVIEW

6C.3.1 - 09



May 22, 2023

Mr. Lee Deveau
Project Manager
Massachusetts School Building Authority
40 Broad Street
Boston, MA 02109

Subject: ***Structural Peer Review Process***

Mr. Deveau,

As you are aware, the Northeast Metropolitan Regional Vocational School (NEMT) project team throughout the life of the project has highlighted early construction packages to stay consistent with project timelines. One of those early packages was Structural Steel, which was a required early package to lock in factory fabrication dates to enable project schedule dates for steel erection. To stay consistent with Massachusetts School Building Authority policies, PMA solicited services from various engineering firms across the state of Massachusetts for a peer review of the Structural drawings, with the goal to capture the peer reviewer comments prior to execution of the early Structural Steel package. DM Berg was the chosen engineering firm to provide this service.

Gilbane consistently noted to DRA due to long lead times a Structural Steel package needed to be out to bid by mid-February 2023, a midway point between the 60% Steel drawings and 90% Steel drawings. To ensure proper review, PMA had DM Berg first review the 60% structural drawings to ensure the bid set would capture the comments, and then review the bid package drawings issued on 02/24/2023 for final comments to be incorporated into a revised bid set for execution with the chosen contractor. DM Berg provided both reviews stated above and confirmed in their memo dated 03/23/2023 that the structural design was in conformance with the structural and foundation requirements of the Massachusetts State Building Code. A copy of the memo from DM Berg is attached to this letter from PMA for reference. We believe this letter here explains the structural peer review process for the NEMT project.

As always, please do not hesitate to contact us with any questions.

Sincerely,

Joseph DeSantis
Director
PMA Consultants LLC

CONSULTING ENGINEERS
100 Crescent Road, Suite 1A
Needham, MA
02494-1457
p 781.444.5156
f 781.444.5157
www.dmberg.com



PRINCIPALS
Thomas G. Heger, PE, LEED AP
Ali R. Borojerdi, PE, LEED AP

ASSOCIATES
William H. Barry, PE

March 23, 2023

PMA Consultants
35 Braintree Hill Office Park, Suite 300
Braintree, MA 02184

Attn: Anthony LoPresti, Senior Associate

**RE: NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS**

SUBJECT: INDEPENDENT STRUCTURAL ENGINEERING REVIEW

Dear Mr. LoPresti:

We have completed an independent structural engineering review of the above-referenced Project in accordance with the Ninth Edition of the Massachusetts State Building Code.

Purpose:

The purpose of our review was to verify that the design of the primary structure is conceptually correct and that there are no major errors in the design.

Criteria for Review:

The scope of our review was not comprehensive. We examined only representative structural and foundation systems, members, details, and specifications. We performed the following tasks:

1. Reviewed the design loads for conformance with 780 CMR;
2. Reviewed other design criteria and design assumptions for conformance with 780 CMR and generally accepted engineering practice;
3. Reviewed the organization of the structure for concept correctness; and
4. Made independent calculations for a representative fraction of systems, members, and details to review their adequacy. The number of representative systems, members, and details was sufficient to form a basis for our conclusions.

**NORTHEAST METROPOLITAN REGIONAL VOCATIONAL HIGH SCHOOL
WAKEFIELD, MASSACHUSETTS
INDEPENDENT STRUCTURAL ENGINEERING REVIEW
March 23, 2023
Page 2**

Documents Used in the Review:

We performed our review based on the following documents:

1. 60% Construction Documents set dated 01-10-2023.
2. Early Structural Bid Package dated February 24, 2023.
3. Structural specification sections for both of the above packages.
4. Our peer review comments memo on the 60% set sent to EDG on January 31, 2023 and EDG's response to our memo dated February 23, 2023 and received on February 28, 2023 (We had no comments on the early bid package).

Review Conclusions:

Based on our review, the structural design shown on the drawings submitted for review is in conformance with the structural and foundation requirements of the Massachusetts State Building Code.

If you have any questions or require additional information, please do not hesitate to call.

Sincerely,

DM BERG CONSULTANTS, P.C.



Ali R. Borojerdi, P.E., LEED AP
Vice President

p:\proj22\100-199\22142\clerical\peer review comments and letters\nemt\22142nemt peer review letter.doc