



Fitzpatrick Structural Engineering, P.C.

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October 7, 2008  
Mr. Dave Strenski  
323 Oak Street  
Ypsilanti, MI 48198

RE: Ypsilanti Solar Project – City Hall  
Structural Engineer Review

Dear Mr. Strenski,

Fitzpatrick Structural Engineering, PC has reviewed the information presented in the Report: *Ypsilanti Solar Project – City Hall* regarding the proposed installation of the solar panels on the south wall of City Hall. We applaud your presentation of the loadings shown on Appendices C and D.

We have reexamined the applied loadings comparing the loadings found in the standard “Minimum Design Loads for buildings and Other Structures, ASCE Standard 7-05 with your loadings. There are some differences between your presentation and what we determined were applicable loads. However, the end result is that we find that the arrangement and method of attachment to the brick wall is adequate and within the safety factors used for mounting the components to the masonry wall.

For longevity and maintenance of strength, we suggest that you use the Unistrut members manufactured using ASTM A240 Stainless Steel instead of the proposed aluminum members. We suggest that you add a diagonal member under the solar panel and possibly on the wall between the upright members to provide more rigidity for the mounting frame.

We hope this review answers your stated request for the design to be evaluated by a licensed structural engineer. If you have any questions regarding this letter or the analysis upon which it was based, please contact us.

Sincerely

James A. Fox P.E.

Fitzpatrick Structural Engineering P.C.

