



July 11, 2019

Voelkel McWilliams  
4 St Ann Dr.  
Mandeville, LA 70471

RE: Madisonville, Elementary School  
117 CS Owens  
Madisonville, La.

Dammon Engineering was contacted to inspect the rigid frame, Portal Frame, assembly that was installed in the cafeteria.

This rigid frame is located on the wall that is located next to the gym wall. The rigid frame is being installed to replace L-shaped wind brace that was originally installed when the cafeteria was constructed. The new rigid frame is required to resist bending moment, shear and axial loads caused by wind on the exterior of the building.

An inspection revealed that this rigid frame was constructed using three each W14x61's. The connection between these members was made using the horizontal's W14x61 member's bottom flange which is bolted to an end plate on top each of the vertical W14x61 members. Each connection was constructed using six each  $\frac{3}{4}$ " A325 bolts. See detail attached detail.

Analysis of the rigid frame was performed and found that the although the connections would be capable of resisting shear and axial loads it would not properly resist the moment caused by wind forces.

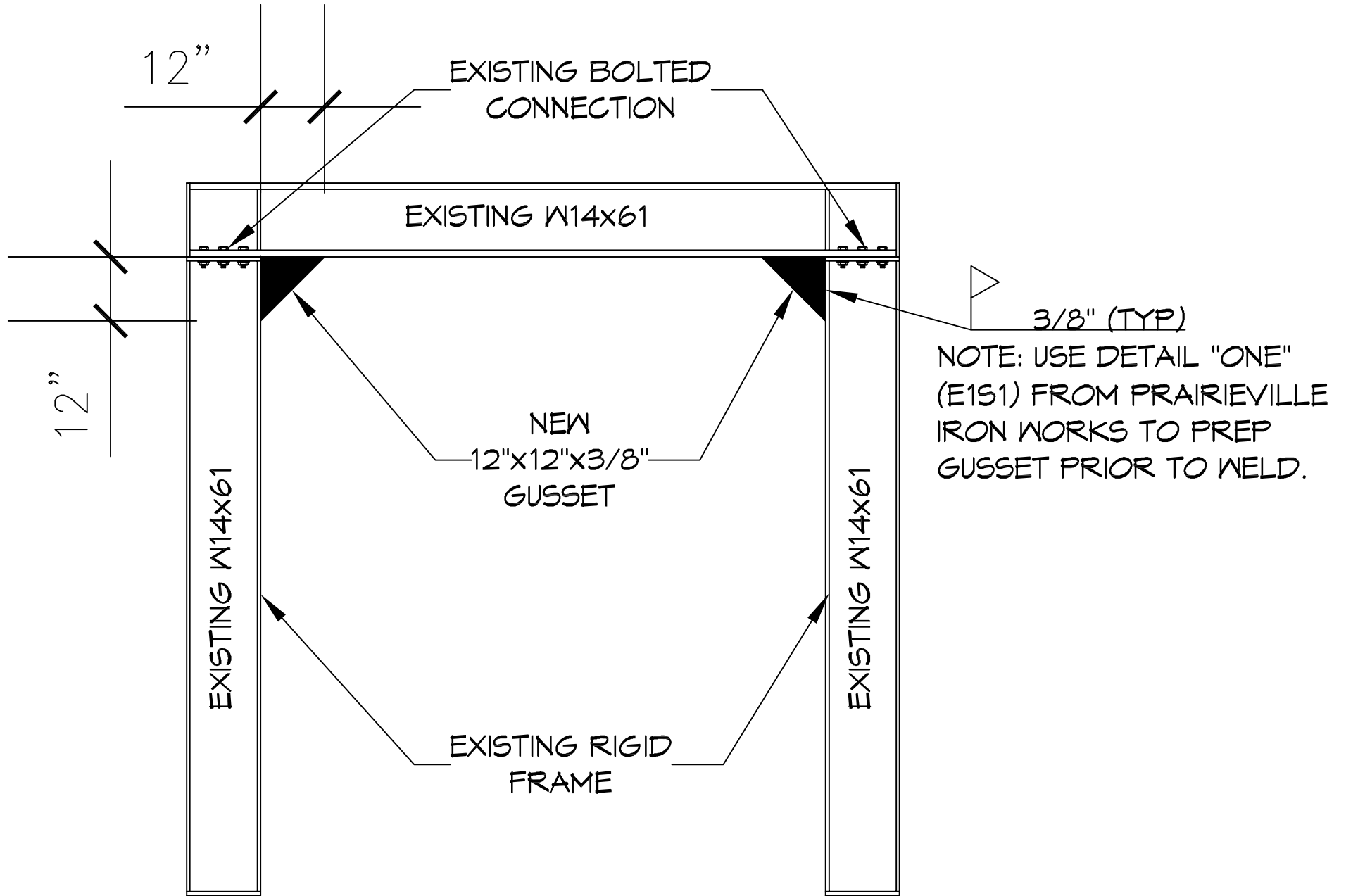
We recommend that two each 12"x12"x $\frac{3}{8}$ " thick triangular gussets be installed per the attached detail.

This report does not cover any other aspects of the building construction.

Sincerely,

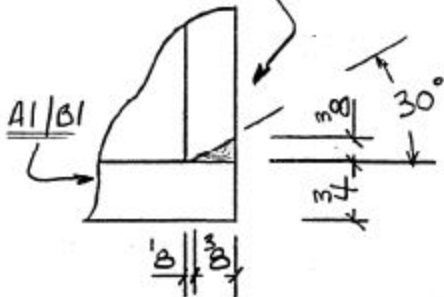
Brian A Mistich, P.E.  
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RIGID FRAME DETAIL  
N.T.S.

GRIND WELDS  
FLUSH @ OUTSIDE FLG'S



DETAIL "ONE" (e1s1)