

STRUCTURAL BUILDING COMPONENTS MAGAZINE

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STCA Update

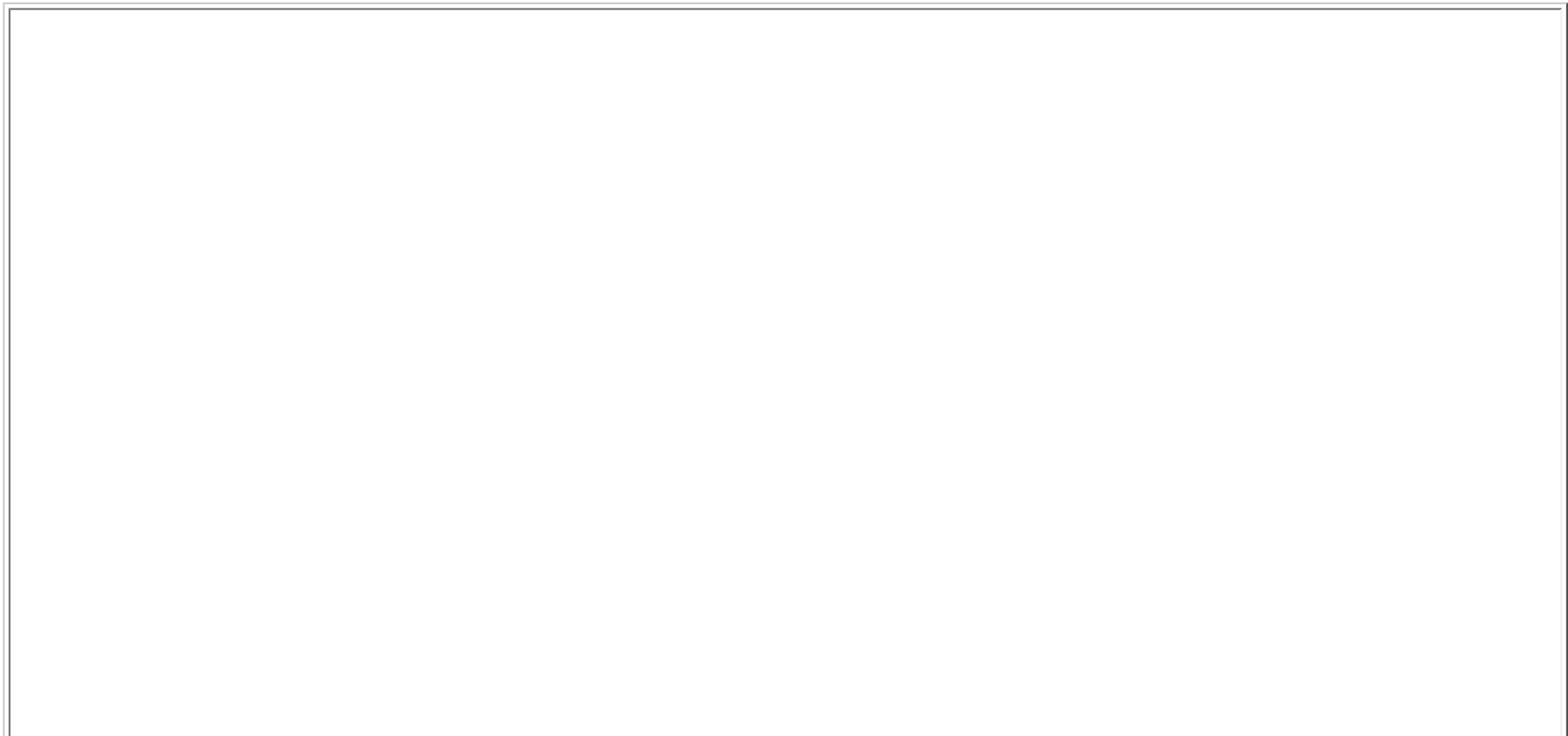
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Cold Formed Steel Trusses in Action by STCA Staff

Join us for a tour of a recent multi-family project and witness cold formed steel trusses in action.

Cascade Mfg Inc of Cascade, IA recently manufactured and shipped steel trusses for a project in Madison, WI. STCA staff was fortunate to be able to be on this jobsite during the construction phase to take a few photographs that will say more than we can put into words.

The following is a photographic overview of Cascade's project. Notice that there is no top chord bracing. All the bracing was applied in the web members. Upon close inspection, you can see the lateral and diagonal bracing within the web planes.







Interior Partitions



Exterior Partitions



Note the top and bottom chord pitch breaks to meet the varying roof and ceiling profiles needed for the architectural appearance.



A pre-installed gypsum draft/fire stop.



Trusses ready for installation using a spreader bar. Note the orange paint designating a bearing location.



Notice the hall height built into the trusses and that lateral and diagonal bracing of the web members, which was also used as temporary erection bracing. Also, notice the STCA orange tags on the web members and the green tag as the bottom noting a bearing location.



An STCA bearing location tag installation aid.



An interior view of the wall pop-out and roof valley condition.



An exterior view of the valley condition unsheathed.



An exterior view of the same condition partially sheathed.

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