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Ron247 (Structural) 16 Aug 20 23:09
Seems like a lot of buckling and disfiguring in an isolated area with adjacent members undamaged. I wonder is someone bent the compression diagonal during construction or after so that it did not take much to make it fail. Is there a heavy point load above it that is new?

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MIStructE_IRE (Structural) (OP) 16 Aug 20 23:14
That one truss supports significant copper bar services, which the other trusses do not. No point loads above. You could be right Ron about just enough damage during construction to cause disproportionate buckling.

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retired13 (Civil/Environmental) 16 Aug 20 23:49
The truss bottom chord is in tension with hinging weight (ceiling?). Both top and bottom chords seem straight in good shape, and the end support does not seem distressed, there is no good reason for the diagonal to buckle that much. Did the owner mention anything suspicious?