

September 10, 2025

Mr. Clayton Ward  
Ward Development

**RE: Town Centre 22 – Lee's Summit, MO  
900# RTU added over office.**

Mr. Ward,

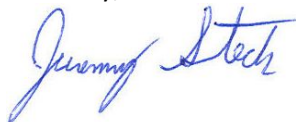
I am the structural engineer of record on the above-mentioned project. It was brought to my attention that an RTU was being added to the existing roof at the northwest corner. I analyzed the roof framing system for the additional load imposed by a 900# RTU placed as shown in the attached Figure 1. The roof framing system is sufficient to carry the additional loading without reinforcing the roof members. This assumes that the collateral load being carried by the 2 roof joists is less than 5psf, which is a reasonable assumption for the usage and construction type in this area. The photos you provided in Figures 2 & 3 is consistent with a 2psf collateral load.

Loads considered:

- DL of roof (Deck, Joists, TPO, Insulation) = 5.2psf
- Collateral Load (other): <5psf field verified in Figures 2 & 3.
- Snow Load = 20psf per IBC
- 900# RTU placed as shown in Figure 1.

Please feel free to call with questions: 712-223-2150.

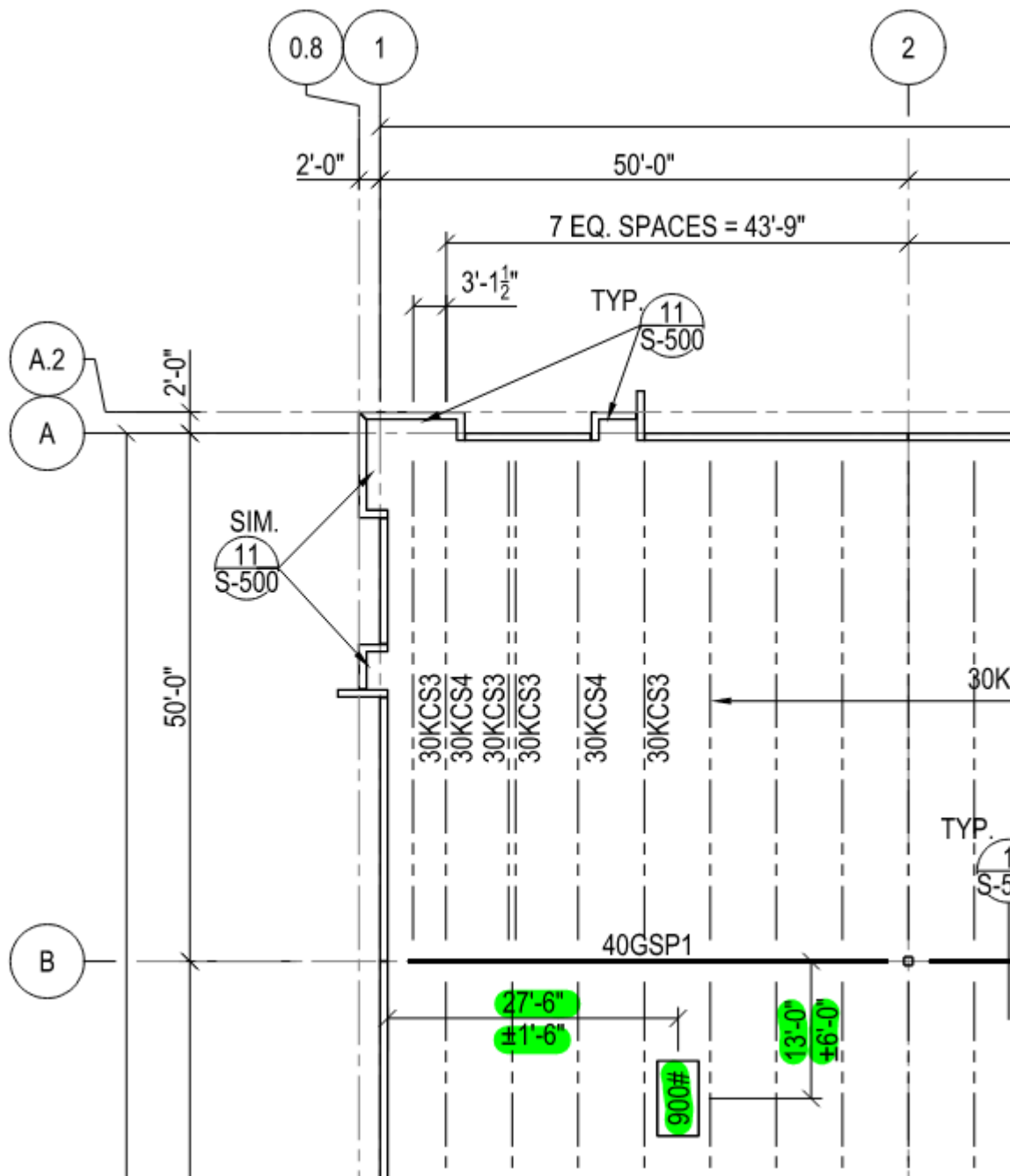
Sincerely,



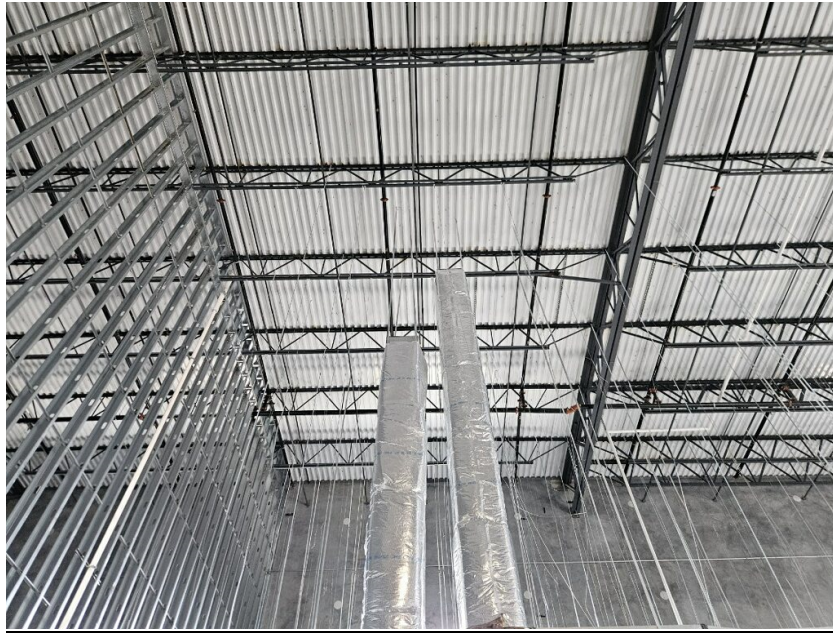
Jeremy Stech, P.E.  
Engineering Manager  
Needham DBS

Enclosures:  
Figure 1-3 (Pages 2-3)

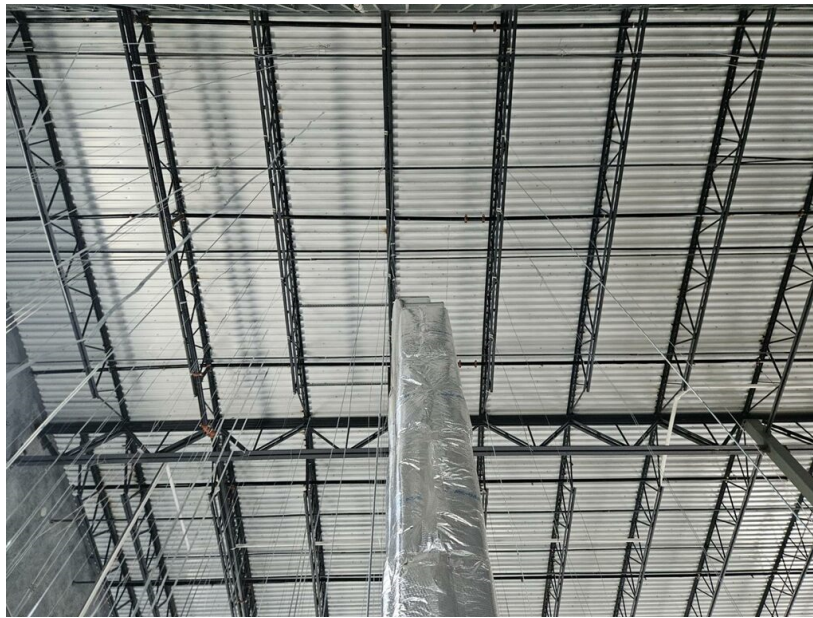




**Figure 1: Plan showing new RTU location.**



**Figure 2: Picture at Underside of Roof at RTU Facing West.**



**Figure 3: Picture at Underside of Roof at RTU Facing North.**