

Quality Technical Bulletin

Head-of-Wall Fire Joint—Part III

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Head of Wall Fire Joint Bulletins will address: I - What is a "Head of Wall" fire joint & why do we need it. II - Types of UL Assemblies.

III - How to read a Head of Wall & what to look for Typical Wall & Shaft Wall.

IV - Engineering Judgments and 3rd Party Verification – How to read an EJ.

V - Deflection calculations & Compression limitations VI - Mineral Wool Installation VII - Concerns with the different

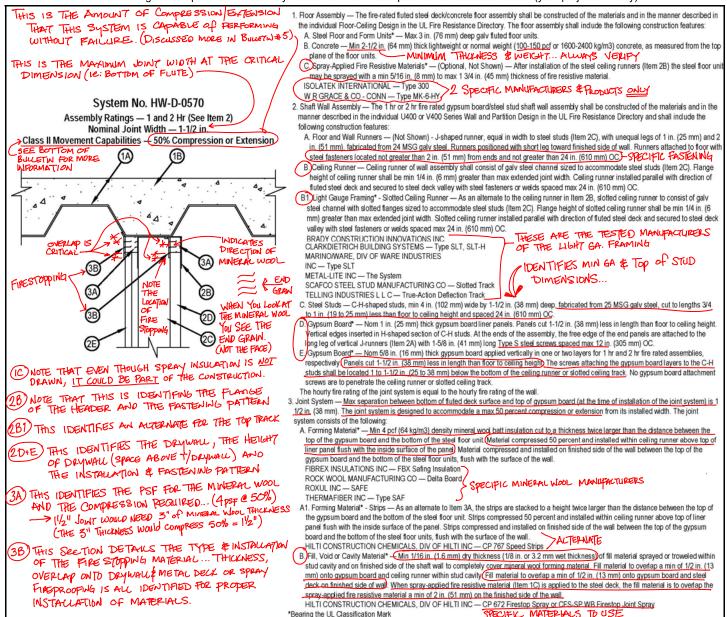


The last bulletin discussed the different types of head-of-wall fire joints that may be needed for a typical partition type. This bulletin discusses how to read a typical UL Assembly system. Understanding the parts and pieces of the report will assist your ability to understand if the submitted assembly is correct for the type of partition being installed. Each assembly is tested specifically with the procedure and materials listed in the report. Substitutions are not allowed because they were not tested with the other parts of the assembly. Please do not hesitate to contact me if you have any questions or need a second opinion.

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- Each UL Assembly is specific to the specific construction and materials. Construction and materials cannot be modified or changed, as it has NOT been tested. The picture typically indicates type of joint that has been tested.
- □ Different wall types including <u>typical rated partition</u>, <u>shaft partition</u>, and <u>CMU wall</u> have their own specific UL Assembly. If any part of the construction does not match, an Engineering Judgment (EJ) will be needed.

The following is one specific UL Assembly for a Shaft Wall that is parallel with the deck flutes. (your project will vary):



Movement Classifications: Class I = Thermal Class II = Wind Sway Class III = Seismic
The next technical Bulletin will discuss what is 3rd Party Verification & how to read an Engineering Judgment



