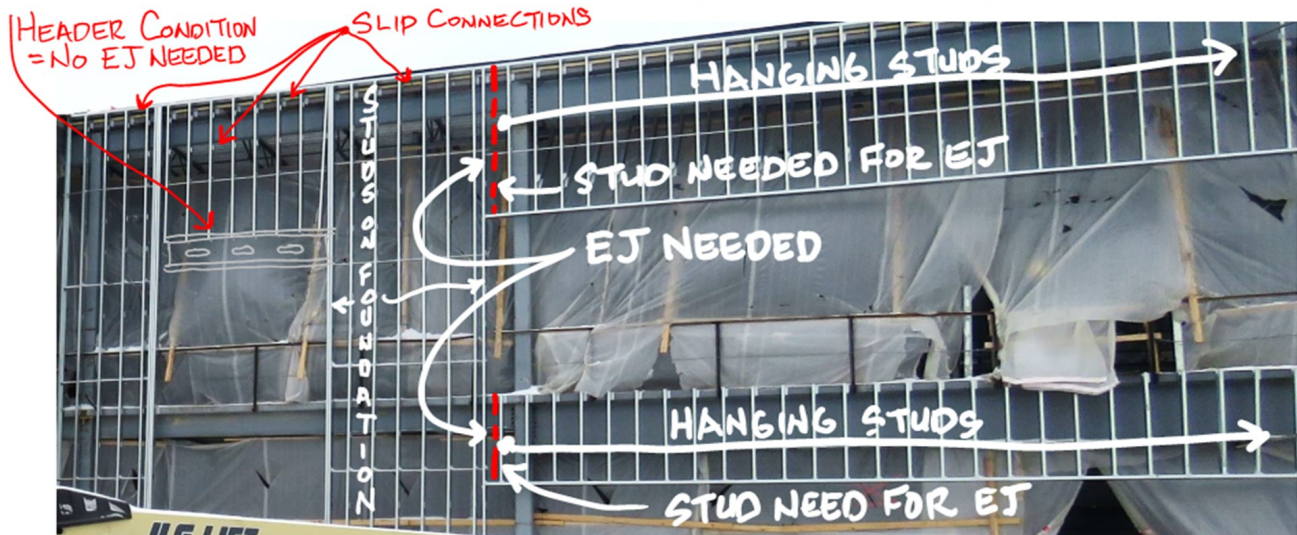


Special Penetrations

Movement joints are sometimes in strange location on the wall. Sometimes the movement joint will depend on the wall construction. It is important to understand the substrate before starting to install the air barrier system.

If the substrate is Cold Formed Metal Framing (CFMF), as shown below, the way the framing is designed could add vertical movement joints that need to transfer to the air barrier.



It is important that a discussion and review of the framing be completed to confirm that the sheathing is installed with the correct locations of vertical movement joints.

Questions to ask (or look on the interior):

1. Do the windows have headers or are they hung from the floor or roof above.
2. If the windows are hung, is there a full height wall section adjacent to the hung framing that is supported from the base or lower floor—this will create differential movement of the framing/sheathing.

Differential movement will happen at the full height CFMF and adjacent hung systems.

Failure to address the movement differential will result in air barrier tearing and failure of the system.