



Technical Bulletin #17d

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RECESSED LIGHTS IN EXTREME PANELS

Extreme Panels are frequently used in vaulted roof/ceiling applications. While the panels provide an excellent method to create a vaulted ceiling, there are limitations on the types of lighting that can be utilized with our panels. The biggest limitation is for recessed or can lights that are intended to be recessed into the finished ceiling and create a flush finish.

Extreme Panel Technologies has researched the application of recessed light fixtures and has determined that the application of these type lights into our roof panels could cause problems. These potential problems stem from the heat created by these fixtures and the reduction of panel insulation, which may lead to condensation issues. Extreme Panel Technologies recommends that track lighting or some other type of surface mounted lighting be used in lieu of recessed fixtures when Extreme Panels make up the roof/ceiling assembly.

An economical option that should be considered, in lieu of the recessed can light, is a surface mounted LED light. This type of light is easily surface mounted in a junction box with just 2.5 inches of depth. The trim pieces provide attractive finishes that hide the low profile junction box.

If the options stated above have been eliminated as possible solutions on a given project, and it has been determined by the design professional, that the heat produced from the recessed lights and the reduced amount of insulation in the SIPs will not cause any issues the Extreme NTA listing report can be used as a guide for placement of holes in roof panels for recessed lights. Refer to Technical Bulletin #37 for sealing holes, penetrations and electrical chases in Extreme Panels.