



OC OptilinerTM

Design Considerations

The Liner System is an important component of the building envelope. Proper coordination with the building designer, manufacturer, general contractor, steel erector and Liner System supplier will positively impact the total project and ensure a smooth and cost effective installation of the product.

PURLIN SPACING

- To avoid any unnecessary field cutting of insulation, request a purlin spacing that best matches standard insulation widths (e.g. 3', 4' or 5').
- Non-standard insulation widths may be available. Contact your sales representative for information on additional cost, lead-time and minimum order quantities.

PURLIN / GIRT DEPTH

- It is recommended to completely fill the purlin or girt cavity with fiberglass insulation. This will help avoid air gaps that may lead to concealed condensation.
- The depth of the secondary members **will** affect the recommended insulation system. It is important to specify the target purlin or girt depth when requesting a system quote.

FLANGE BRACES

- Flush mount connections between any brace and the purlin or girt are recommended but not required. Minimizing penetrations through the vapor barrier helps to ensure optimal performance of the system and avoids additional labor required to cut and patch around braced areas.
- It is recommended to request a flush mount design or flange brace adapters when ordering your building. Aftermarket flange brace adapters are available if needed. *Consult your building manufacturer for approval before making this change.*

WALL TRANSITIONS

- When using a Liner System in the wall applications it is necessary to have either a full base channel or an additional base attachment member at the interior to properly terminate the vapor barrier. This member should be attached to the floor so the face is flush with the interior girt flanges.
- It may also be desirable to include a piece of angle to aid in the transition between the roof and wall systems.

EFFECT ON OTHER TRADES

- Coordinate with subcontractors to utilize flush mount attachments whenever possible. It is important to maintain the integrity of the vapor barrier and minimize any penetrations.
- If "up lighting" is used, installation of a UV filtered lens or a low UV light source may extend the life of the system as the impact of UV rays on the fabric is reduced.

ADDITIONAL COMPONENTS

- Special considerations for Liner System installation at roof transitions, hips, valleys, dormers or any other special field conditions may need to be addressed by the installing contractor. Additional support steel or transition members at these conditions may be beneficial, but are the responsibility of the installing contractor and / or the building manufacturer.