

ROOF DECK PRODUCT SELECTION

Spans

Span length is one of the key factors in determining an appropriate roof deck profile. Determine logical span lengths (three span is suggested whenever possible) based on the bay size. Contact your Verco representative regarding the availability of deck lengths greater than 40 ft. Consider handling the weight of the deck during installation when evaluating long deck lengths, especially in heavier gages and cellular decks. Also see the Roof Deck Design Example on page 17.

Roofing

Verco roof and cellular deck is a structural product resisting horizontal and vertical loads. Normally, insulation and roofing materials are applied over Verco roof deck to create a water tight roofing system. However, Verco deck can be used for walkways, canopies, sunshades, or other structures which do not require a watertight roof. Attachments for outside weather exposed applications should comply with building code requirements.

Vent Tabs

Verco roof deck is available with factory punched vent tabs to provide positive venting (see Figure 11). Determine venting requirements based on the specific materials installed over the deck. Some leakage during lightweight insulating concrete placement should be anticipated with vented deck. Vent tabs projecting upwards are staggered in interior low flutes at approximately 6 in. on center:

- 5 rows in PLB-36 and HSB-36.
- 3 rows in PLN3 and N3.
- 2 rows in PLN-24 and N-24.

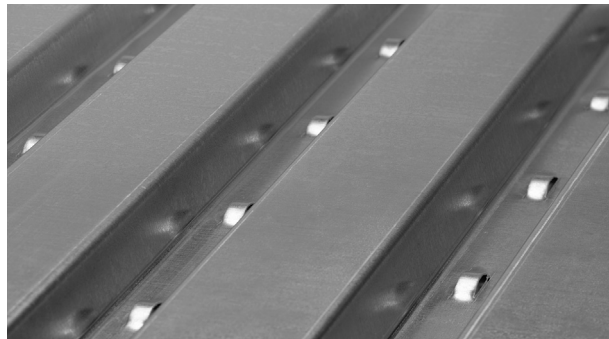


FIGURE 11