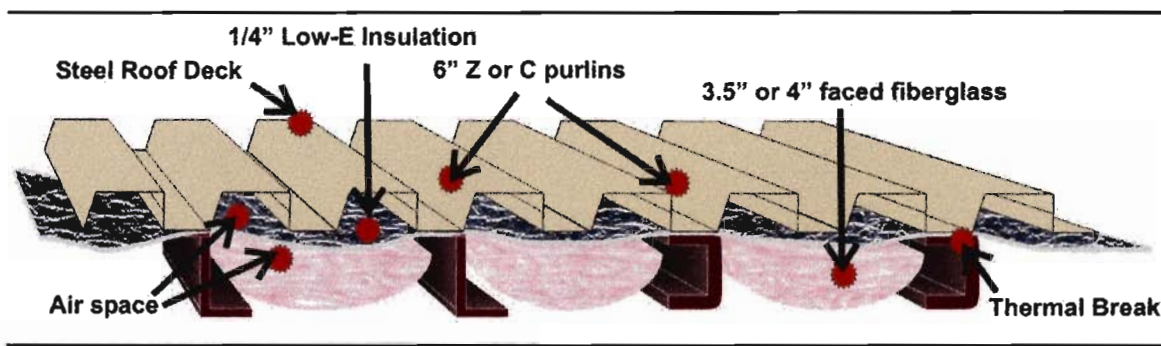


ASHRAE 90.1 COMPLIANCE



R-19

- **FIBERGLASS INSULATION COMPRESSED OVER PURLINS, NO FOAM SPACERS IS AN R-11. (From NAIMA)**

R-11 FIBERGLASS INSTALLED

R-10.74 1/4" LOW-E (R-Value does not include R-4.55 for inside still air film)

R- 21.74

U-.045

**CHECK YOUR STATE ENERGY CODE REQUIREMENTS FOR
U-VALUES UNDER:
MINIMUM THERMAL COMPONENT REQUIREMENTS
METAL BUILDINGS: ROOF**

Although the diagram illustrates a 3" – 4" fiberglass the application would be the same for 6" fiberglass.

The thermal break illustrated is LOW-E. Because LOW-E isn't 1" thick the fiberglass can't expand as much at the purlin line so we just refer to the R-Value of the fiberglass with no foam spacers and LOW-E insulation which exceeds the building code requirement (ASHRAE 90.1). With LOW-E shorter clips can be used which is a tremendous on the job savings and you have a continuous thermal barrier between the fiberglass and the metal roof.

**Low-E Insulation™
Protect Your Investment**