XS Sheet Numbers
XS8-010

Description of Component
The strip joint seal assembly can accommodate longitudinal movements and some limited movements in the transverse direction.

Standard Drawing Features
The strip joint assembly consists of two edge beams with anchor studs and the elastomer gland (one joint cell). The assembly is placed in recesses over joint openings.

Design/General Notes
A minimum joint opening at installation “W” is given by the formula:

\[ W (\text{in}) = \frac{1}{2} + \left[ (\text{Maximum Structure Temperature in } ^\circ\text{F}) - (\text{Actual Structure Temperature in } ^\circ\text{F}) \right] \times (\text{ac or as}) \times (12) (\text{contributory length in feet}), \]
and min \( W(\text{in}) = \frac{1}{2} \)

where, \( \text{ac} = 0.0000060 \) and \( \text{as} = 0.0000065 \) are the thermal expansion coefficients for concrete and steel

Contract Specifications
Standard Specifications Section 51-2 Joints

Restrictions on Use of Standard Drawings
The Strip Joint Seal Assembly may be used for Movement Range (MR) up to 4 inches regardless the skew at joint location.