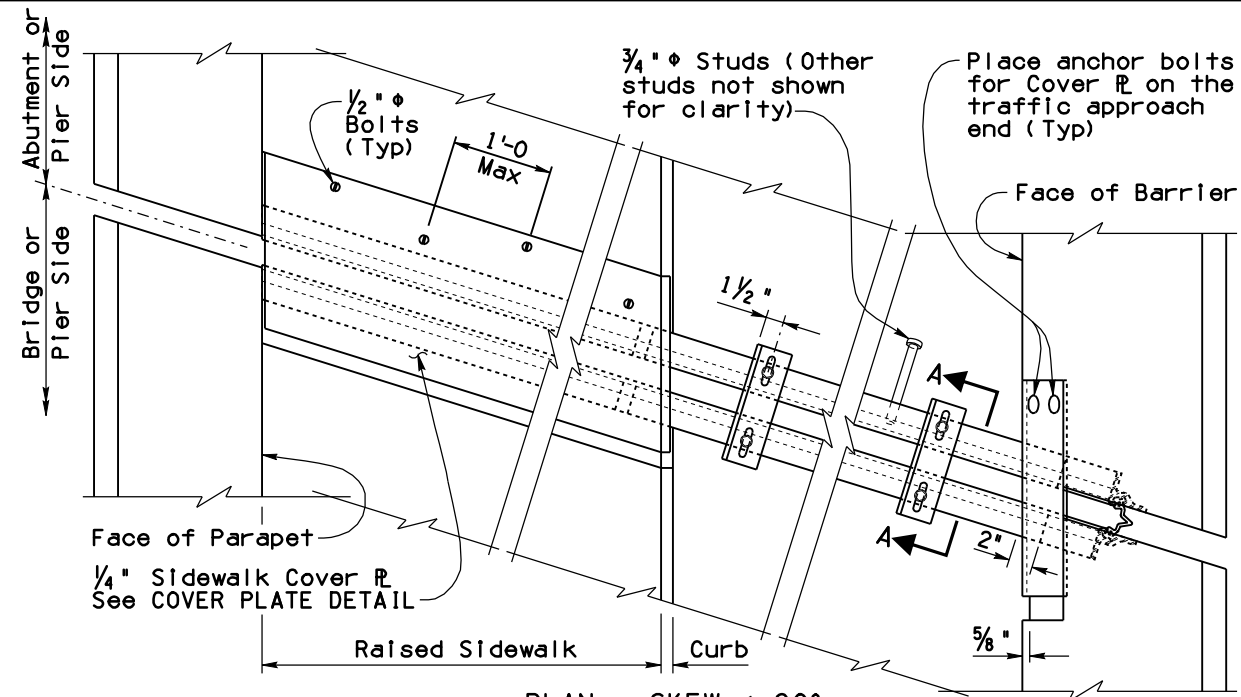
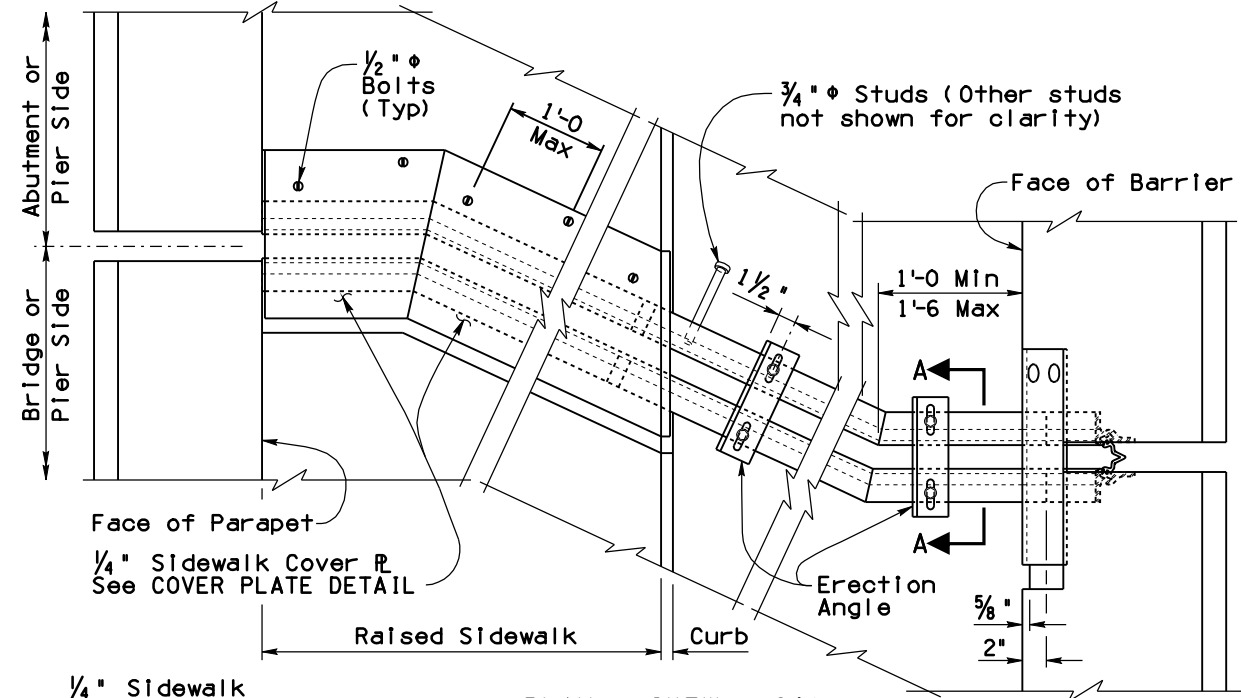


Note to Designer: The information presented in this Standard Drawing has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without competent professional examination and verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

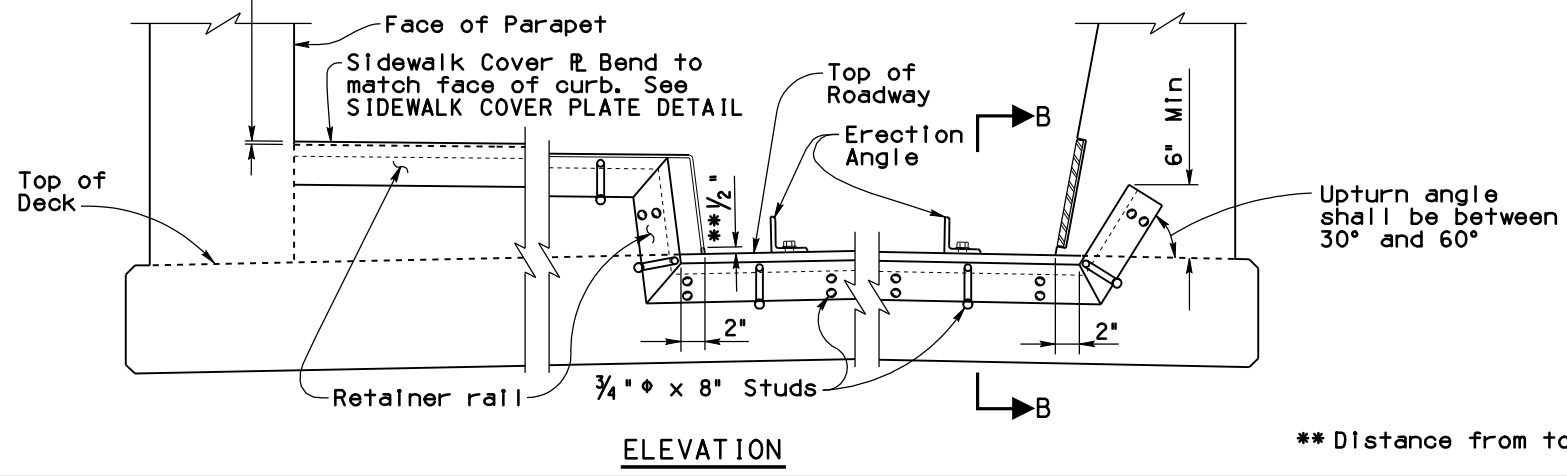
12/09
 PRIOR DISTRIBUTION DATE



PLAN - SKEW ≤ 20°



PLAN - SKEW > 20°



ELEVATION

** Distance from top of roadway

GENERAL NOTES:

Construction Specification - Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, latest Edition.

Design Specifications - AASHTO LRFD Bridge Design Specifications, 8th Edition 2017

The Strip Seal Joint may only be used for movement ratings of 4 inches or less. Joint opening e and movement rating M.R. may require adjustment during shop drawing review to accommodate the manufacturer minimum seal installation width.

Steel retainer rails shall conform to ASTM A572 Grade 50, ASTM A588 Grade 50, or ASTM A709 Grade 36 or Grade 50W.

Steel anchor studs shall conform to ASTM A108 Grades 1015, 1018 or 1020.

Steel retainer rails shall be one continuous full length installed piece. Retainer rails shall be supplied in maximum practical lengths that are consistent with normal manufactured rail length. Rail splices, when required, shall be welded in the shop or field per DETAIL E. Mitered rail turns shall be welded similar to DETAIL E.

The neoprene seal shall meet the requirements of ADOT's Standard Specification 1011-5. The neoprene seal shall be supplied in one continuous full length piece without splices.

Sidewalk cover plates shall be A36 galvanized steel with non-slip (deformed) surface. Barrier or curb cover plates shall be A36 galvanized steel. All cover plate bolts shall be A325 galvanized.

The bottom of the barrier or curb sliding cover plates shall be 1/2 inch higher than the top of the roadway.

All welding shall conform to the requirements of the American Welding Society, Bridge Welding Code, D1.5, latest Edition.

Prior to installation of the seal and lubricant adhesive, steel contact surfaces with the seal shall be cleaned and prepared in accordance with the seal manufacturer requirements.

Joint opening e shall be adjusted in the field for any variation of temperature above or below the mean temperature. See bridge drawings for mean temperature, e , and temperature correction chart.

Erection angles shall be removed immediately after deck joint is fully encased in concrete (except sidewalks, curbs or barriers), and such concrete has attained its initial set (2 hours ±).

The contractor shall verify all dimensions prior to fabrication to ensure the accuracy of the expansion joint.

The Contractor shall take due care in the placement of the concrete under and around the joint rails to ensure that proper consolidation is achieved. After placement, the Engineer shall inspect the joint for voids by sounding the angle with a hammer. All voids shall be repaired by the Contractor by epoxy injection at no cost to the Department.

Dimensions shall not be scaled from drawings.

Item	Deck Joint Assembly (Flangeless Strip Seal)
Item No.	6011343
Measurement	Linear Foot

STANDARDS ENGINEER
A. ALZUBI
 RECOMMENDED FOR APPROVAL
 GROUP MANAGER
D. EBERHART
 APPROVED
 STANDARDS COMMITTEE APPROVED FOR DISTRIBUTION
 DATE 01/20

ARIZONA DEPARTMENT OF TRANSPORTATION
 INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
 BRIDGE GROUP STANDARD DRAWING

DECK JOINT ASSEMBLY
 FLANGELESS STRIP SEAL

DRAWING NO.
 SD 3.03
 (1 of 2)