GENERAL NOTES:


2. Furnish solid steel Edge Rails in accordance with ASTM A709, Grade 36, 50 or 50W that are extruded, hot-rolled and machined. Furnish Edge Rails with a minimum mass of 12.0 lb/ft excluding studs, a minimum height of 8", a minimum thickness of 1/2" and a maximum top surface (riding surface) width of 2". Shape of Edge Rail shown is representative, minor variations depending on manufacturer are permitted. Edge Rails manufactured from bent plate or built up pieces are not acceptable.

3. Furnish Anchor Studs in accordance with ASTM A416. Electric arc end-weld Anchor Studs with complete fusion. Anchor Studs may be piggy backed to achieve required lengths.

4. When required, furnish 1/2" thick slip resistant steel Sidewalk Cover Plates in accordance with ASTM A709, Grade 36 or 50, with a minimum coefficient of friction on the top surface of 0.8 in a dry condition as determined by ASTM F1677 or ASTM F1677 (respectively) that incorporate an anti-skid steel surface consisting of a random, hatch matrix or other suitable pattern. Do not use diamond plate or surface applied slip resistant tapes, films, nonmetallic coatings or other similar materials. Furnish flat head Stainless Steel Sleeve Anchors in accordance with ASTM F593 Group 1 Alloy 304 for attaching Sidewalk Cover Plates. Install Sleeve Anchors in accordance with manufacturer's recommendations.

5. Recede the Edge Rail below the concrete surface in accordance with Specification Section 458.

6. Refer to Specification 458 and the Expansion Joint Data Table in the Structures Plans for installation and fabrication requirements and adjustments to Dimension "A".

7. Manufacturers seeking approval of Strip Seal Expansion Joint Systems for inclusion on the Qualified Products List as pre-approved designs must submit application along with design documentation showing the expansion joint meets the specification, geometric and material requirements specified herein. Include installation details consisting of temporary or sacrificial supports, bolts, clamps, etc. that are compatible with decks constructed with or without backouts.

INSTRUCTIONS TO DESIGNER:
Complete the Expansion Joint Data Table in Structures Plans with project specific information.
UPTURN DETAIL (TYPICAL AT TRAFFIC BARRIERS AND PARAPETS)

PARTIAL PLAN VIEW OF JOINTS SKewed GREATER THAN 6°

PARTIAL PLAN VIEW OF JOINTS & JOINTS SKewed 6° OR LESS

PARTIAL SECTION ALONG & JOINT AT FIELD BUTT JOINT LOCATION (CROWNED DECK OR SLAB SHOWN)

PARTIAL SECTION ALONG & JOINT THRU TRAFFIC SEPARATOR

MOVEMENT SCHEMATIC

2010 FDOT Design Standards
Sheet No. 21100