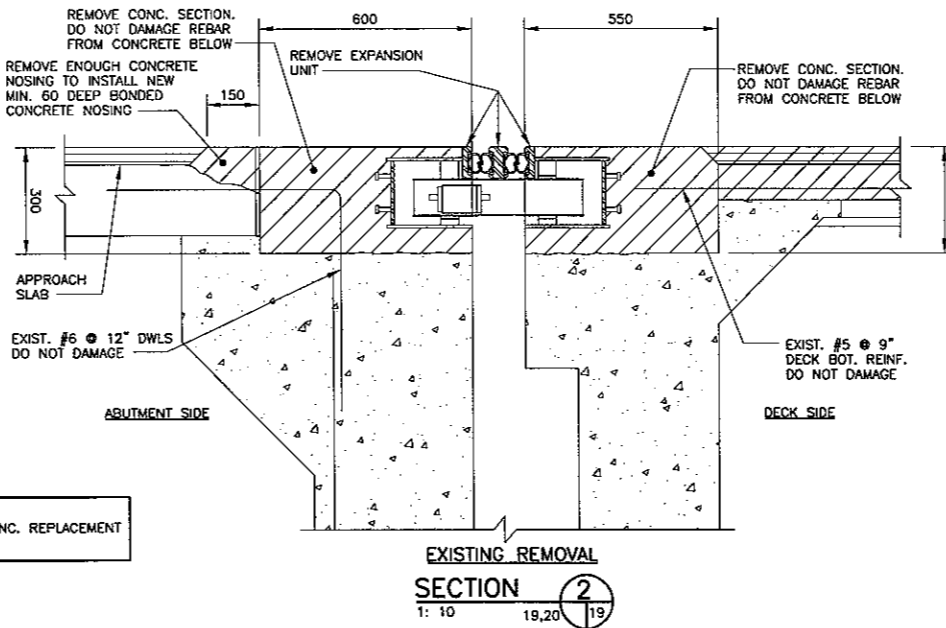
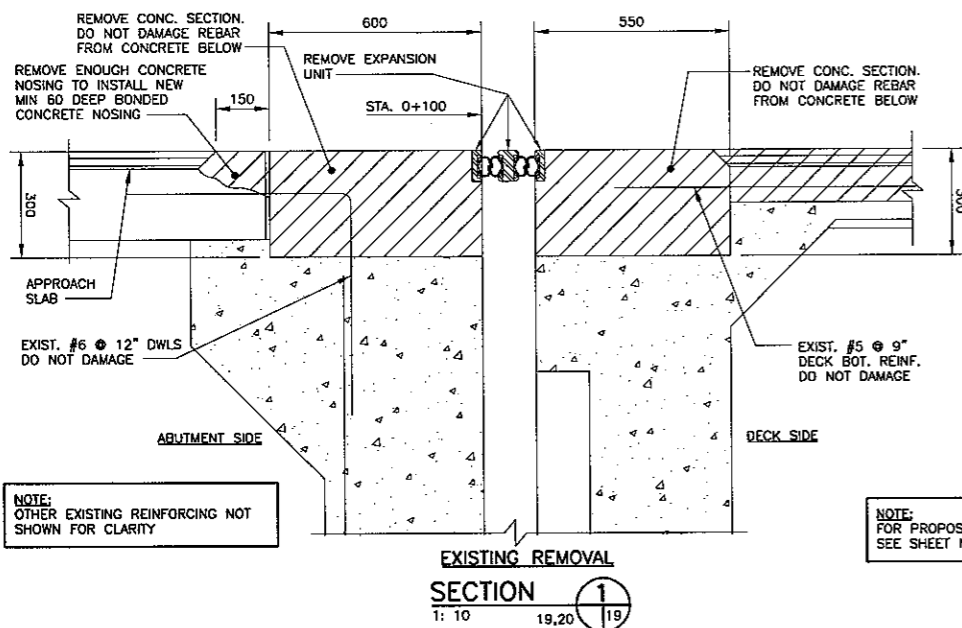


EXPANSION UNIT MK. E-1  
1: 25



NOTES:

- MANUFACTURER'S SHOP DRAWINGS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR APPROVAL AT LEAST TWENTY-ONE (21) DAYS PRIOR TO FABRICATION. THE EXPANSION JOINT ASSEMBLIES SHALL BE DESIGNED TO CARRY HSS 25 TRUCK AND HS 25 LANE LIVE LOADING.
- STEEL SHALL BE IN ACCORDANCE WITH CSA STANDARD G40.21M GRADE 300W OR EQUAL.
- STEEL EXTRUSIONS SHALL BE IN ACCORDANCE WITH CSA STANDARD G40.21M GRADE 230G MINIMUM.
- ALL STEEL SURFACES, INCLUDING COVER PLATES SHALL BE HOT DIP GALVANIZED TO A NET RETENTION OF 600 g/m<sup>2</sup> IN ACCORDANCE WITH CSA STANDARD G164 AFTER FABRICATION AND INSTALLED IN ONE CONTINUOUS PIECE.
- JOINT ASSEMBLY SHALL BE FABRICATED AND COMPLETELY SHOP ASSEMBLED AND PRESET TO DIMENSION "A" FOR 20°C PRIOR TO SHIPMENT.
- WELDING SHALL BE LOW OXYGEN CLASSIFICATION. MANUAL ELECTRODES SHALL BE E7016 OR E7018. ALL WELDING SHALL BE IN ACCORDANCE WITH CSA STANDARD W59.
- ROADWAY AND SIDEWALK EXPANSION JOINTS SHALL BE MODULAR ASSEMBLY SUPPLIED AND INSTALLED IN ONE CONTINUOUS PIECE (BOX SEAL).
- SEAL SHALL BE PREFORMED NEOPRENE RUBBER. EACH SEAL SHALL BE SUPPLIED & INSTALLED IN ONE CONTINUOUS PIECE. NO SPLICE IN THE SEAL WILL BE PERMITTED.
- ROADWAY/SIDEWALK EXPANSION JOINT ASSEMBLY SHALL BE INSTALLED 5mm BELOW ELEVATION AND GRADE OF ADJACENT BRIDGE DECK/SIDEWALK.
- AFTER REMOVAL OF CLAMPING CHANNELS AND SPACER DAM, BOLT AND BLEEDER HOLES TO BE FILLED WITH AN APPROVED EPOXY GROUT.
- INSTALLATION TEMPERATURE SHALL BE TAKEN AS THE MEAN SHADE AIR TEMPERATURE AND BE FOR A PERIOD OF 48 HOURS PRIOR TO JOINT INSTALLATION.
- ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED BY USING THE FIELD GALVANIZING PROCEDURE AS SPECIFIED.
- ALL BARRIER COVER PLATES SHALL BE RECESSED 20mm FROM THE FACE OF THE CONCRETE.

NOTE: OTHER EXISTING REINFORCING NOT SHOWN FOR CLARITY

NOTE: FOR PROPOSED CONC. REPLACEMENT SEE SHEET NO. 20

S.M. ELEV.		DESIGNED BY R.A.W.					MARYLAND TWIN BRIDGES REHABILITATION PROJECT EAST BRIDGE REHABILITATION	CITY DRAWING NUMBER B108-06-19 SHEET 19 OF 38
		DRAWN BY N.B.G.						
		CHECKED BY R.A.W.						
		REVIEWED BY S.S.R.						
2	ISSUED FOR TENDER	02/06/06	N.B.G.	HORIZ. SCALE AS NOTED VERTICAL AS NOTED		CONSULTANT PROJECT NO. 05-5069-1000		SOUTH ABUTMENT EXPANSION JOINT LAYOUT
1	ISSUED FOR CITY REVIEW	02/14/06	N.B.G.	RELEASED FOR CONSTRUCTION DATE 07-27-06				
NO. REVISIONS		DATE	BY	DATE	DEC. 2005			