



3 BLOCKING MATERIAL DETAIL (TO BE INSTALLED IN SHOP BY DECK JOINT SUPPLIER)

- GENERAL NOTES**
- REFER TO SITE SPECIFIC DRAWINGS FOR DIMENSIONS "A" THROUGH "H" AND "X".
 - MAXIMUM GAP "X" SHALL NOT EXCEED 115 mm. MINIMUM GAP "H" SHALL NOT BE LESS THAN MANUFACTURERS MINIMUM INSTALLATION WIDTH.
 - ALL REQUIREMENTS OF THE CURRENT BRIDGE BRANCH SPECIFICATION FOR THE SUPPLY OF STRUCTURAL STEEL FOR BRIDGES (SPEC NO B-187M) SHALL BE MET.
 - ALL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CAN3-G40.21M-300W OR ASTM A36.

- MATERIALS AND FABRICATION**
- CONTINUOUS SEALING SYSTEM TO BE ONE OF THE FOLLOWING TYPES:
 - ELASTOMETAL "EFE400" WITH TYPE "E" EXTRUSION (SHOWN)
 - HONEL GSH 141 "W-AS" SYSTEM
 - DS BROWN "O400" SEAL WITH TYPE "SSE2" EXTRUSION
 - AJ BRAUN B1 - 100 CELLULAR SEALING SYSTEM
 - MULTI-WEB STRIP SEAL SHALL BE NEOPRENE, NATURAL RUBBER OR APPROVED EQUIVALENT.
 - METAL EXTRUSIONS SHALL BE SUPPLIED IN TWO PIECES UNLESS NOTED OTHERWISE, STRIP SEAL SHALL BE SUPPLIED IN ONE CONTINUOUS LENGTH.
 - BOLTED CURB COVER PLATES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. ALL OTHER METAL PARTS EXCEPT ERECTION ANGLES, SPACER PLATES AND STAINLESS STEEL BOLTS SHALL BE HOT DIP GALVANIZED OR ZINC METALLIZED AFTER FABRICATION.
 - ALL GALVANIZING SHALL MEET ASTM SPEC A123 OR A153 AS APPLICABLE.
 - ZINC METALLIZING SHALL BE 180 MICRONS THICK AND IN ACCORDANCE WITH CSA G-189.
 - ALL WELDING SHALL CONFORM TO CURRENT AWS SPECIFICATION D 1.5.
 - SHOP ASSEMBLE FOR INSPECTION IN A RELAXED CONDITION WITH ERECTION ANGLES REMOVED. APPROVAL OF ASSEMBLY REQUIRED PRIOR TO APPLICATION OF ERECTION ANGLES.
 - PRESET GAP IN SHOP FOR A TEMPERATURE OF +15°C.
 - JOINT SHALL BE TRANSPORTED WITH ERECTION ANGLES AND BLOCKING MATERIAL ATTACHED.

- BLOCKOUT PREPARATION (AS SPECIFIED ON SITE SPECIFIC DRAWING)**
- PREPARE BLOCKOUTS AS SHOWN ON SITE SPECIFIC DRAWINGS.
 - INSTALL CURB COVERPLATE ASSEMBLIES AND PLACE CLASS "D" CONCRETE IN ABUTMENT & DECK BLOCKOUTS.
- JOINT INSTALLATION**
- ERECT ASSEMBLY AND SET ELEVATIONS BY INSTRUMENT.
 - USE ERECTION ANGLES TO ADJUST ASSEMBLY PARALLEL TO EXISTING ROADWAY GRADE AS SHOWN ON SECTION C.
 - MAINTAIN THE DECK JOINT'S FACTORY GAP SETTING UNLESS ADVISED TO RESET GAP BY THE ENGINEER.
 - PLACE ELASTOMERIC CONCRETE IN BLOCKOUTS AS SHOWN.
 - REMOVE ERECTION ANGLES IMMEDIATELY AFTER ELASTOMERIC CONCRETE HAS SET TO PREVENT DAMAGE DUE TO TEMPERATURE VARIATION.
 - REMOVE THREADED STUDS, GRIND TOP OF EXTRUSION SMOOTH AND AFFECTED AREAS WITH ONE COAT OF GALVACON.
 - REMOVE ALL FORMWORK AND CLEAN EXCESS CONCRETE FROM JOINT FROM ASSEMBLY.

- SEAL INSTALLATION**
- REMOVE CURB COVER PLATES WHEN JOINT IS READY FOR STRIP SEAL INSTALLATION. SUPPLIER SHALL INSTALL SEAL AND TORQUE CURB COVER PLATE BOLTS TO THE PROPER VALUE.

SUPERSEDED
BY 5-1497-94
rev. 93-12-06

SUPERSEDED

DESIGNED		DRAWN		DATE		CHECKED		DATE		STREAM		LOCATION		HIGHWAY		FILE		SHEET		DRAWING	
DBS		WS		92-03-03																S-1497	

REV	DATE	REVISIONS	BY
93-01-13		JOINT TYPES CHANGED, MIN BLOCKOUT DIMENSION	DBS
92-11-24		EXTRUSION TURN UP, BLOCKOUT DET & ANGLE SIZE	DBS
92-07-02		JOINT TYPE ADDED	DBS
92-05-01		RECESS REMOVED, NOTES CHANGED, DIM H	DBS

APPROVED		DATE	
		JAN 20, 1992	
EXECUTIVE DIRECTOR BRIDGE ENGINEERING			