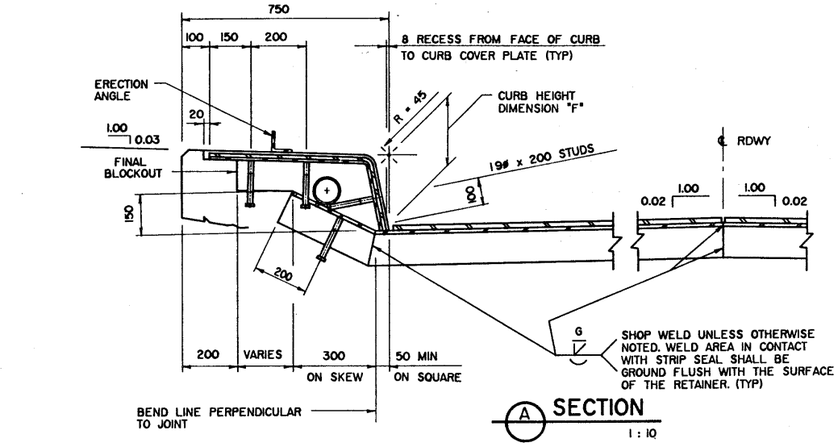
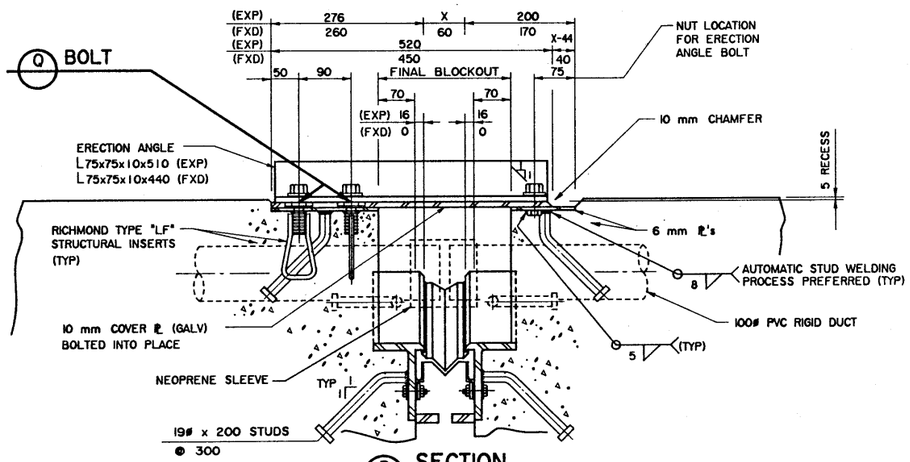
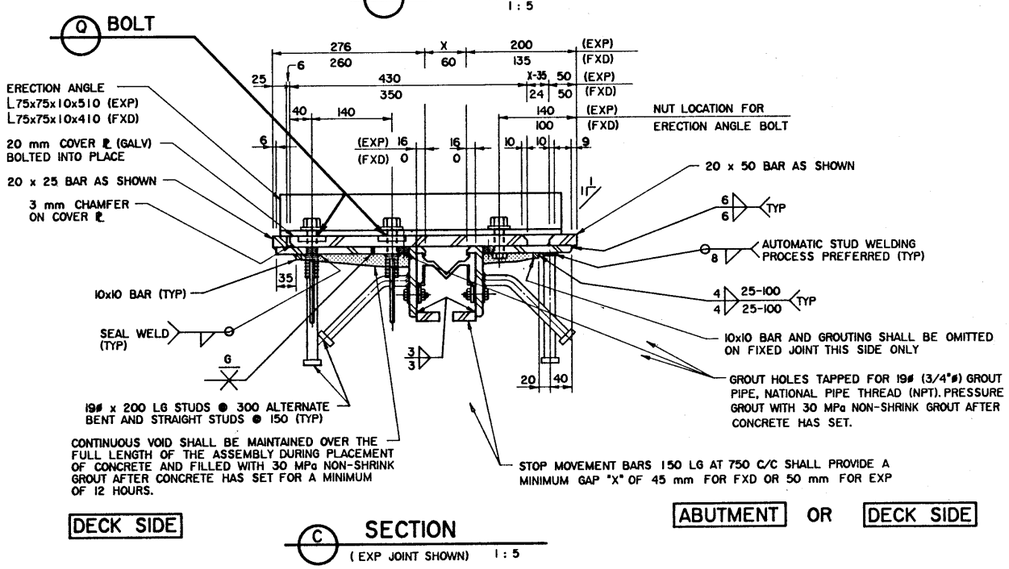


A SECTION
1 : 10



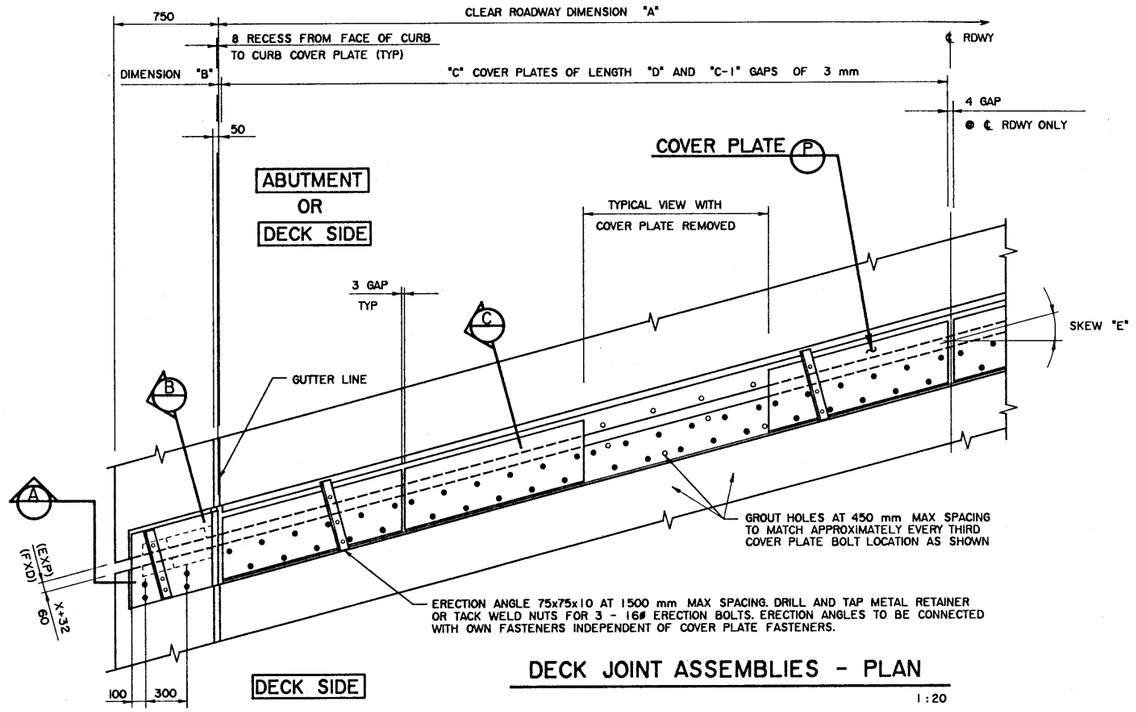
B SECTION
1 : 5



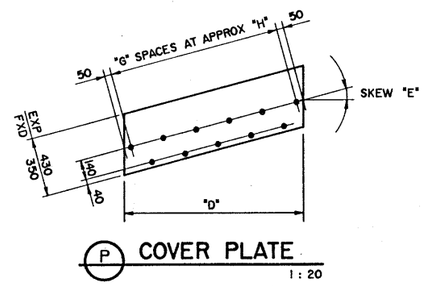
DECK SIDE

C SECTION
(EXP JOINT SHOWN) 1 : 5

ABUTMENT OR DECK SIDE

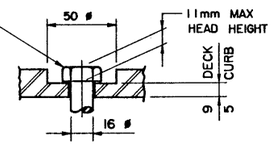


DECK JOINT ASSEMBLIES - PLAN
1 : 20



P COVER PLATE
1 : 20

16ø (5/8"ø) TYPE 304 STAINLESS STEEL HEX HEAD BOLT COUNTERSUNK INTO 50ø RECESS. INSTALL USING "KOP-R-KOTE" OR "NEVER SEEZ" ON THREADS AND UNDER HEADS. SNUG TIGHTEN BOLTS IN SHOP FOR TRANSPORTATION. FIELD TORQUE BOLTS TO 140 N-m AFTER STRIP SEAL IS INSTALLED.



Q BOLT
REQ'D FOR DECK COVER PLATES (SHOWN) AND CURB COVER PLATES (SIMILAR)
1 : 2

GENERAL NOTES

- REFER TO CONTRACT DRAWINGS FOR DIMENSIONS "A" THROUGH "H".
- ALL REQUIREMENTS OF THE CURRENT BRIDGE BRANCH SPECIFICATIONS FOR THE SUPPLY OF STRUCTURAL STEEL FOR BRIDGES (SPEC NO B-187M) SHALL BE MET.
- ALL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CSA G40.21M-300W OR ASTM A36.
- ALL MATERIAL SHALL BE A MINIMUM OF 12 mm THICKNESS UNLESS OTHERWISE NOTED.
- 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 D1.1 .

MATERIALS

- CONTINUOUS SEALING SYSTEM TO BE ONE OF THE FOLLOWING TYPES:

(EXP)		(FXD)	
	ELASTOMETAL PS-100 (SHOWN)		ELASTOMETAL PS-75N
	HONEL 135.100		HONEL 133.75
	DURALOCK DL 110		DURALOCK DL 75

- METAL EXTRUSIONS SHALL BE SUPPLIED IN ONE PIECE UNLESS NOTED OTHERWISE, STRIP SEAL SHALL BE SUPPLIED IN ONE CONTINUOUS LENGTH AND INSTALLED BY THE SUPPLIER AFTER THE EXTRUSIONS HAVE BEEN PLACED AND ADJACENT CONCRETE HAS SET. AREA BELOW THE SEAL SHALL BE CLEAR OF CONCRETE AND/OR FORM MATERIAL. STRIP SEAL SHALL BE BONDED TO METAL EXTRUSIONS WITH AN APPROVED ADHESIVE.
- BOLTED COVER PLATES SHALL BE INSTALLED AND BOLTS TORQUED BY SUPPLIER AFTER THE SEAL IS IN PLACE. BOLTED COVER AND CURB PLATES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION. ALL OTHER METAL PARTS EXCEPT ERECTION ANGLES AND STAINLESS STEEL BOLTS SHALL BE HOT DIP GALVANIZED OR ZINC METALLIZED AFTER FABRICATION.
- SHOP ASSEMBLE FOR INSPECTION IN A RELAXED CONDITION WITH ERECTON ANGLES REMOVED. APPROVAL OF ASSEMBLY REQUIRED PRIOR TO APPLICATION OF ERECTION ANGLES.
- JOINT SHALL BE SHOP ASSEMBLED AND TRANSPORTED WITH ERECTION ANGLES ATTACHED.

ERECTION

- FOR INSTALLATION PROCEDURE REFER TO EXPANSION JOINT INSTALLATION SPECIFICATION IN CONTRACT.

SUPERSEDED

REV	DATE	DESCRIPTION	BY
6			
5			
4			
3			
2			
1			

REVISIONS

APPROVED
EXECUTIVE DIRECTOR BRIDGE ENGINEERING
DATE Oct 23, 1987

Alberta TRANSPORTATION
BRIDGE ENGINEERING BRANCH

COVER PLATED STRIP SEAL DECK JOINT

DESIGNED	DRAWN	DATE	CHECKED	DATE	STREAM	LOCATION	HIGHWAY	FILE	SHEET	DRAWING
D B S	W S	87-10-01							OF	S-1448

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F28976