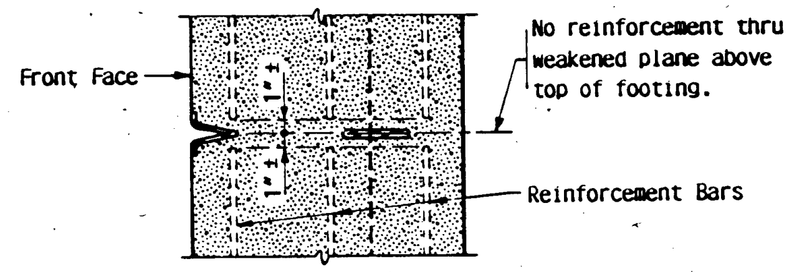
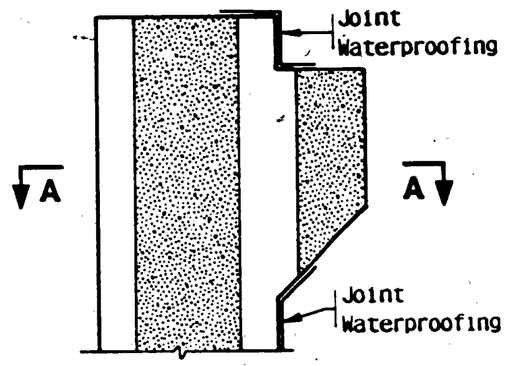
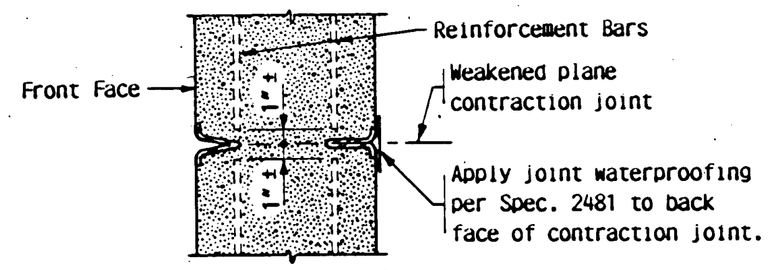


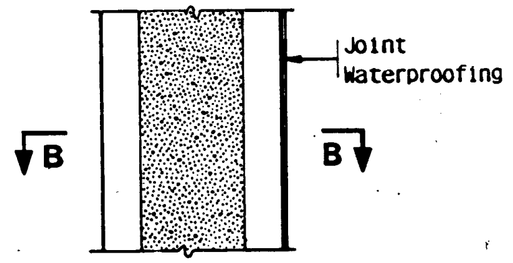
SECTION A-A



SECTION THRU PAVING BRACKET

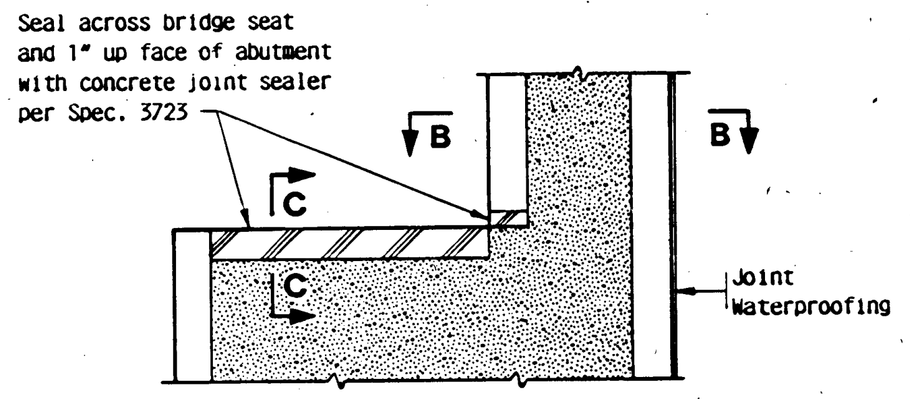


SECTION B-B



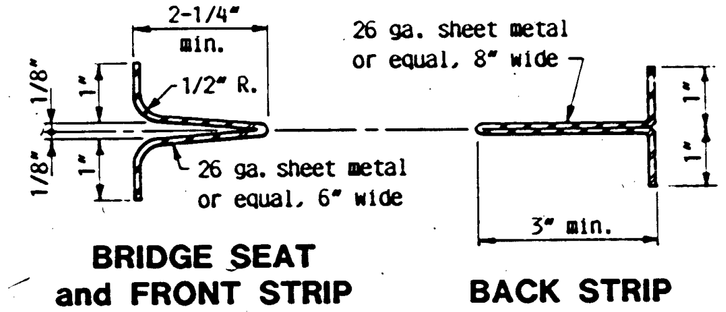
SECTION THRU WALL

SECTION C-C



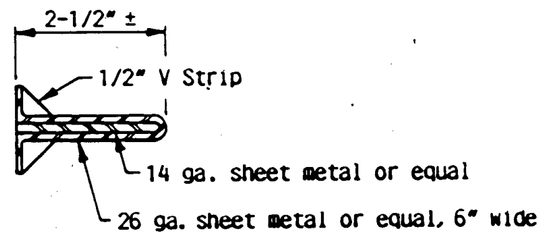
SECTION THRU BRIDGE SEAT

PART SECTION THRU ABUTMENT AT JOINT



BRIDGE SEAT and FRONT STRIP

BACK STRIP



ALTERNATE BRIDGE SEAT and FRONT STRIP

NOTES:

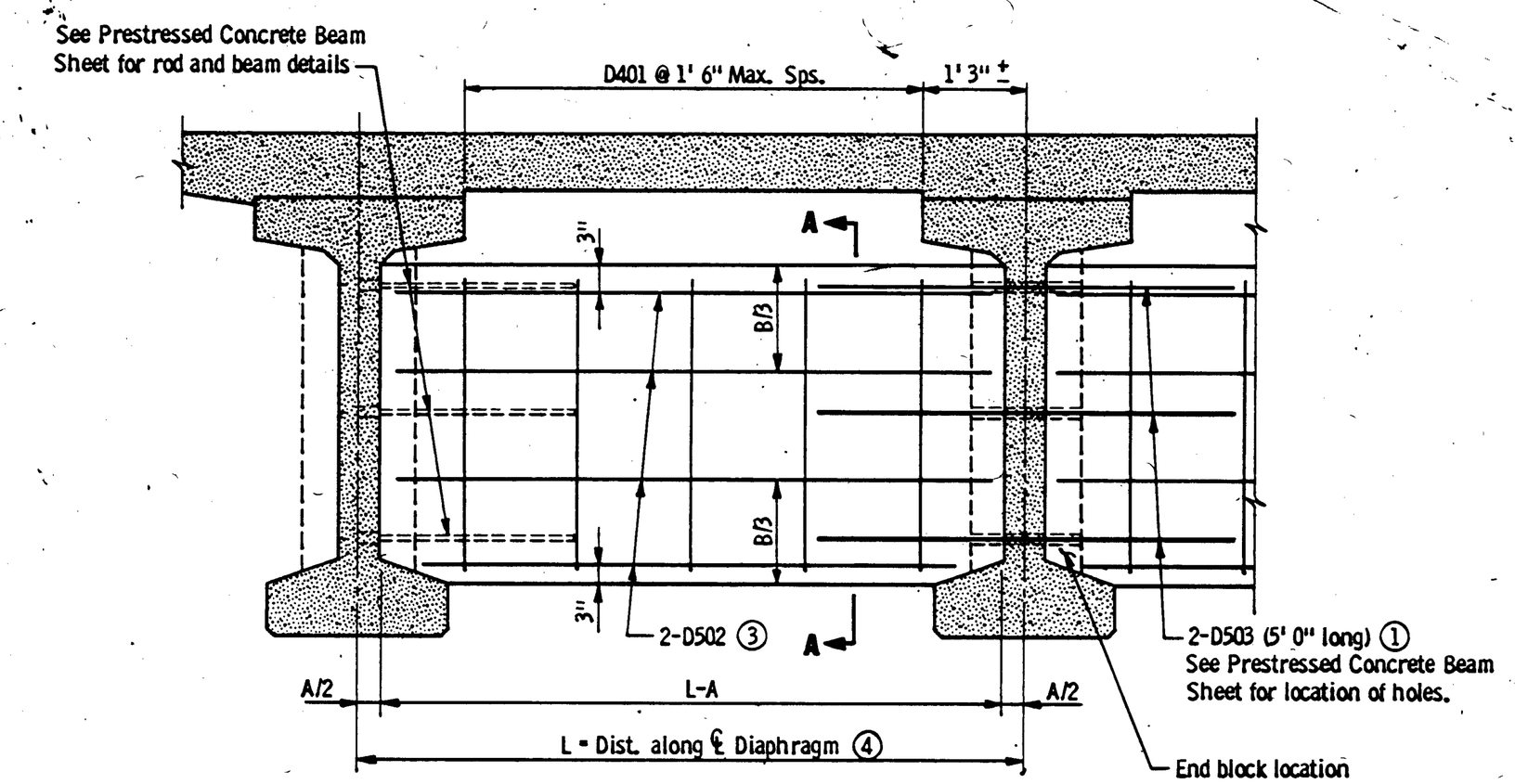
The methods and materials indicated on this sheet shall be considered as suggested only. Variations will be permitted, subject to approval by the Engineer, but must provide dummy joints of a depth not less than the depth shown, and a width at the front face of the abutment of not greater than 5/16". The separation of the horizontal reinforcement bars shall be not less than 1-1/2" nor more than 3", centered as shown, regardless of the procedure used for forming the dummy joint.

If the front and bridge seat strips are galvanized metal, they shall be securely fastened to the forms so that they will be removed with the forms. If a suitable plastic or other durable material, satisfactory to the Engineer, is used, the material may be left in place.

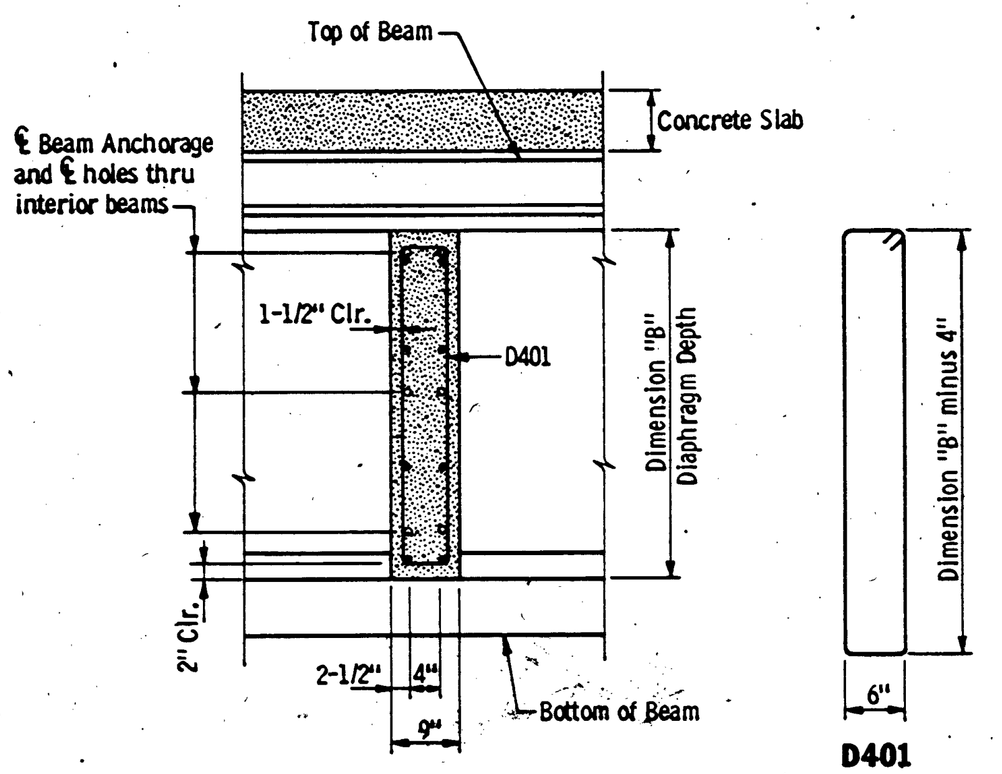
The back strip may be galvanized metal, a suitable plastic, or other durable material satisfactory to the Engineer. The back strip shall remain in place after the forms are removed.

The cost of forming the joint shall be included in the price bid for other items.

APPROVED: February 20, 1987 Developed by: ENGINEERING STANDARDS and BRIDGES & STRUCTURES Issued by: ENGINEERING STANDARDS	STATE OF MINNESOTA DEPARTMENT OF TRANSPORTATION **CONTRACTION JOINT**	REVISION	DETAIL NO. **B801**



PART TRANSVERSE SECTION



SECTION A-A

D401

Beam Height	Dim. "A" for comp. volume	Diaph. Dim. "B"	Bar D401 Length
63"	6-3/4"	3' 10"	8' 9"
72"	6-5/8"	4' 7"	10' 3"
81"	6-1/2"	5' 4"	11' 9"

Concrete Volume Per Diaphragm

$$\frac{(L - A) \times B \times 0.75}{27} = \text{Cubic Yards}$$

	BAR	LENGTH	SHAPE	LOCATION
	D401	8'-9"	Bent	Diaph. Vert.
⑤	D502	VARIES	Str.	Diaph. Horz.
	D503	5'-0"	Str.	Diaph. Horz.

⑤ SEE FRAMING PLAN

GENERAL NOTES

① For Diaphragms 20° and over, use threaded rods as shown on standard prestressed concrete beam sheet.

② All diaphragm concrete and reinforcement bars shown on this detail to be included in payment for diaphragms for prestressed beams. Threaded rods are included in payment for prestressed concrete beams.

③ Reduce length of horizontal reinforcement as necessary at end block locations.

④ Payment length for diaphragms.

APPROVED: Sept. 28, 1977 Developed by: BRIDGE STANDARDS AND THE BRIDGES & STRUCTURES SECTION Issued by: RESEARCH & STANDARDS	STATE OF MINNESOTA DEPARTMENT OF TRANSPORTATION **CONCRETE INTERMEDIATE DIAPHRAGM** **(FOR 63"-81" PRESTRESSED CONCRETE BEAM SPANS)**	REVISION Jan. 23, 1980	DETAIL NO. **B806**

DETAILS	DRAWN	CHECKED	APPROVED	BRIDGE NO.
	SHEET 338 OF 368 SHEETS			02546