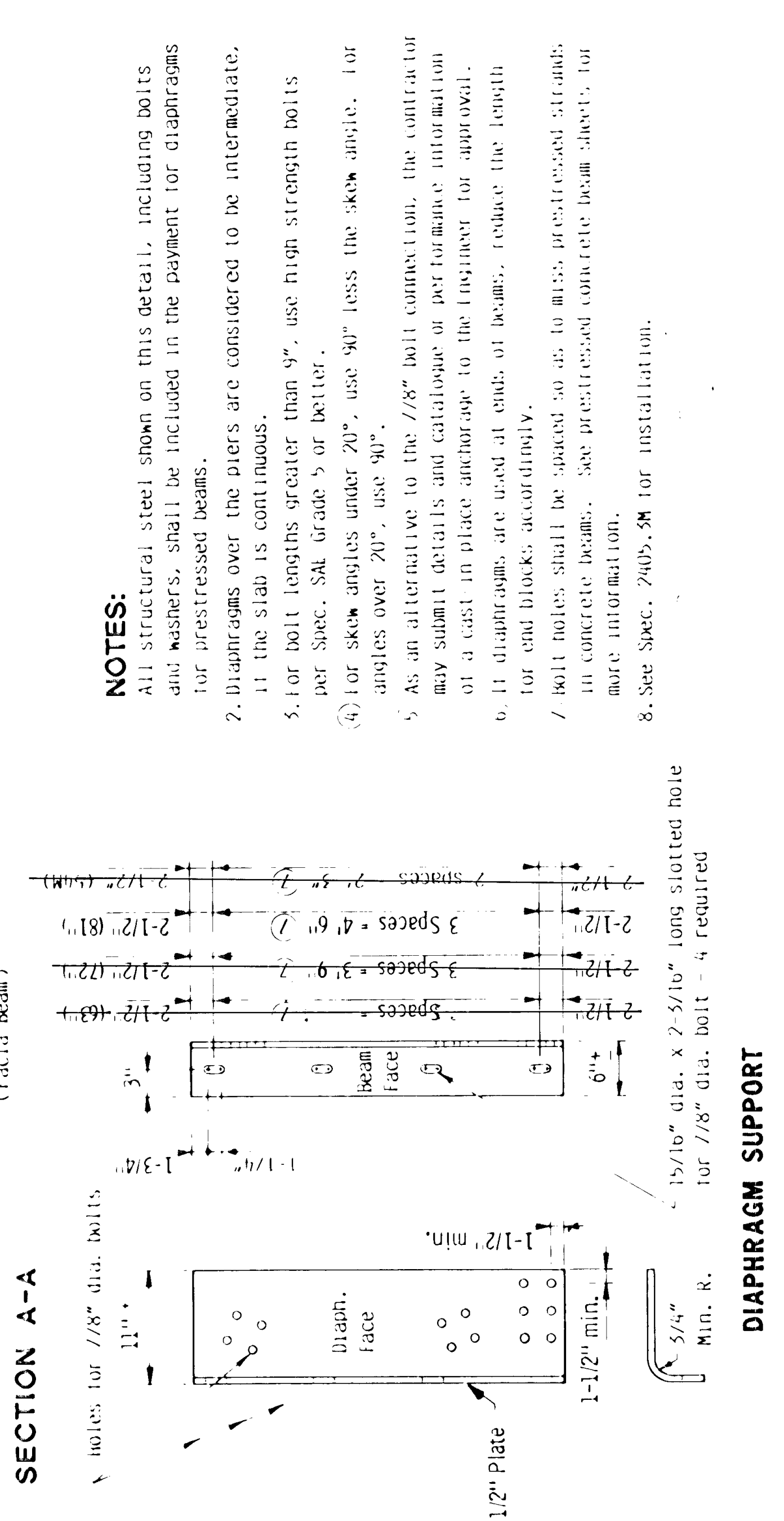


SECTION B-B
Typical Section at all fascia beam connections

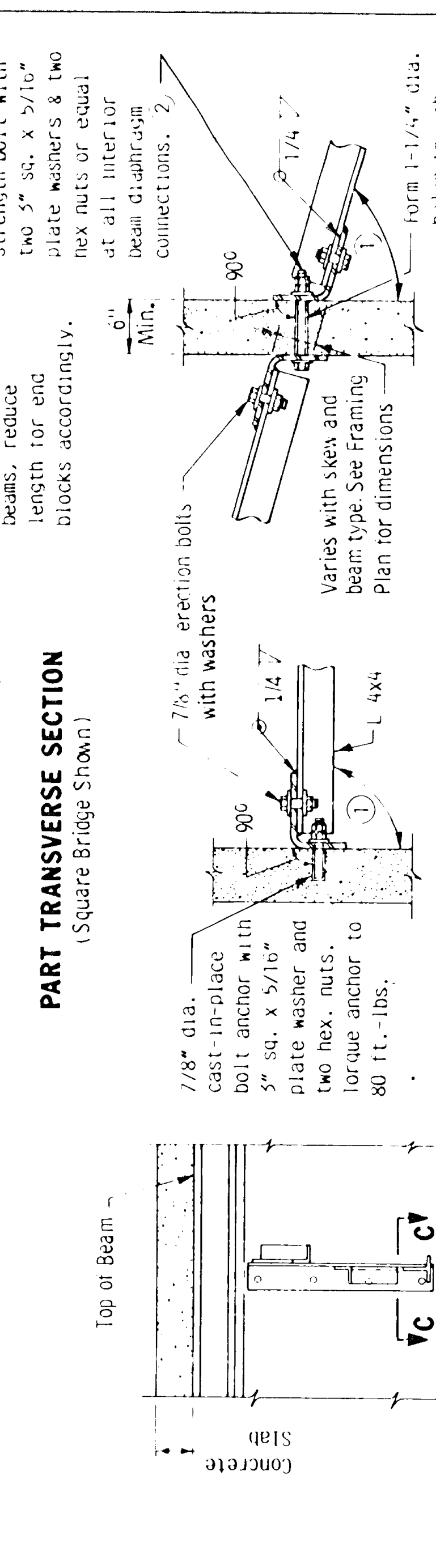
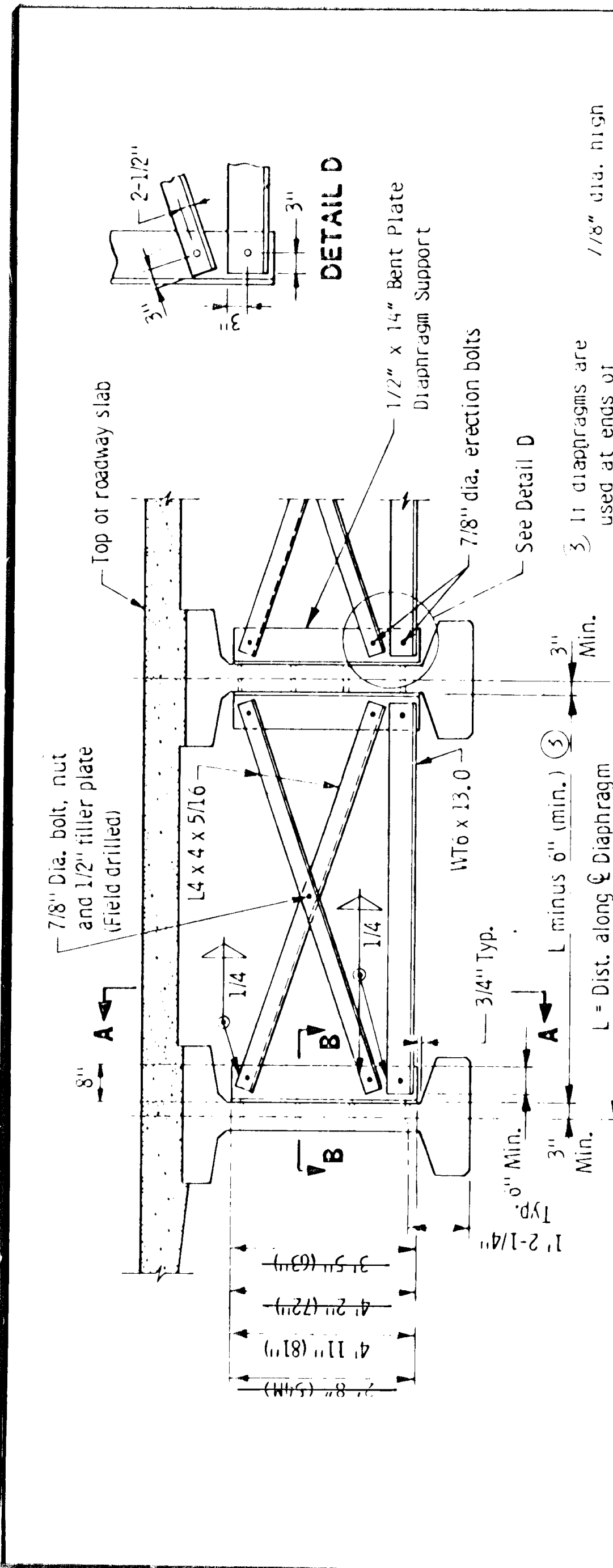
SECTION C-C
Typical Section at all interior diaphragms



DIAPHRAGM SUPPORT

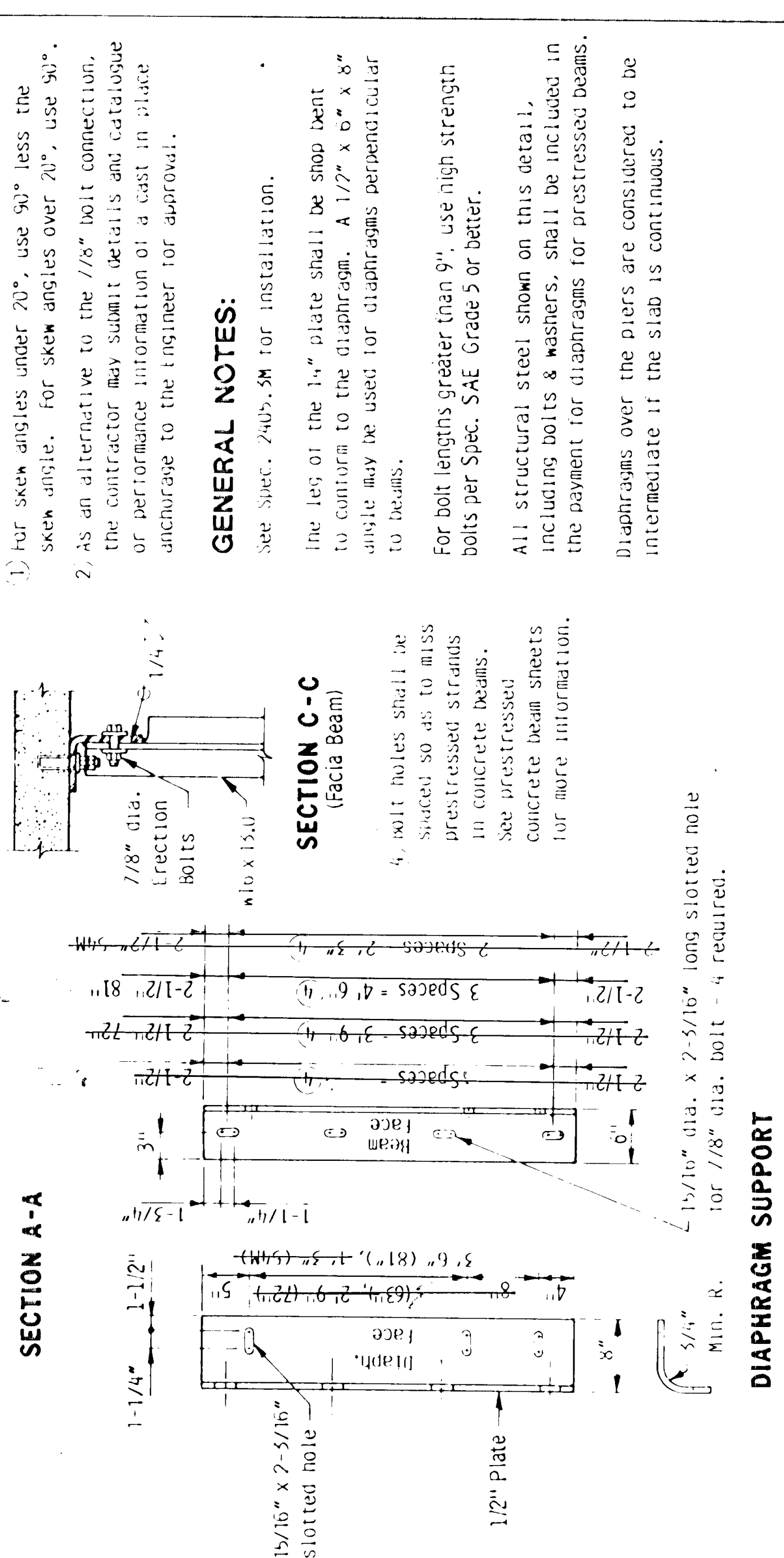
NOTES:
 1. All structural steel shown on this detail, including bolts and washers, shall be included in the payment for diaphragms for prestressed beams.
 2. Diaphragms over the piers are considered to be intermediate.
 3. If the slab is continuous.
 4. For bolt lengths greater than 9", use high strength bolts per Spec. SAE Grade 5 or better.
 5. For skew angles under 20°, use 50° less the skew angle. For skew angles over 20°, use 90°.
 6. As an alternative to the 7/8" bolt connection, the contractor may submit details and catalogue or performance information of a cast in place anchorage to the engineer for approval.
 7. If diaphragms are used at ends of beams, reduce the length for end blocks accordingly.
 8. Bolt holes shall be spaced so as to miss prestressed strands in concrete beams. See prestressed concrete beam sheets for more information.
 9. See Spec. 2405, 3M for installation.

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			B406
STEEL INTERMEDIATE BOLTED DIAPHRAGM FOR 54M & 63" - 81" PRESTRESSED CONC. BEAMS			



SECTION B-B
Typical Section at all fascia beam connections

SECTION C-C
Typical Section at all interior diaphragms



DIAPHRAGM SUPPORT

GENERAL NOTES:
 See Spec. 2405, 3M for installation.
 The legs of the 14" plate shall be shop bent to conform to the diaphragm. A 1/2" x 6" x 8" angle may be used for diaphragms perpendicular to beams.
 For bolt lengths greater than 9" use high strength bolts per Spec. SAE Grade 5 or better.
 All structural steel shown on this detail, including bolts & washers, shall be included in the payment for diaphragms for prestressed beams.
 Diaphragms over the piers are considered to be intermediate if the slab is continuous.

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			B405
STEEL INTERMEDIATE WELDED DIAPHRAGM FOR 54M & 63" - 81" PRESTRESSED CONC. BEAMS			