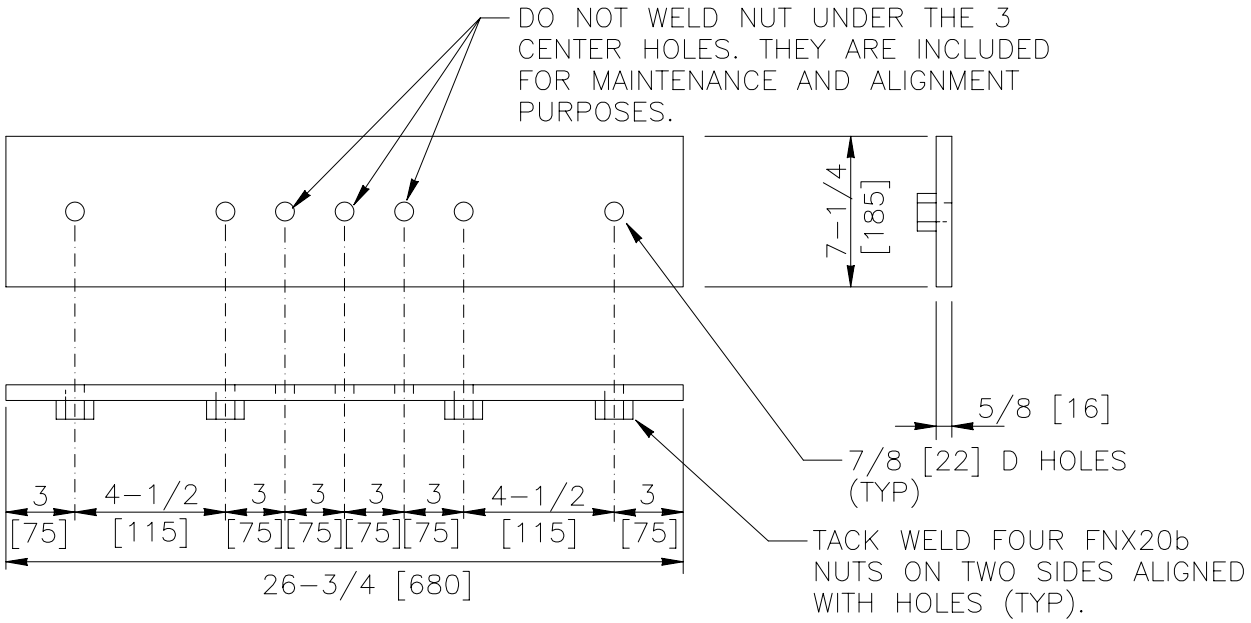

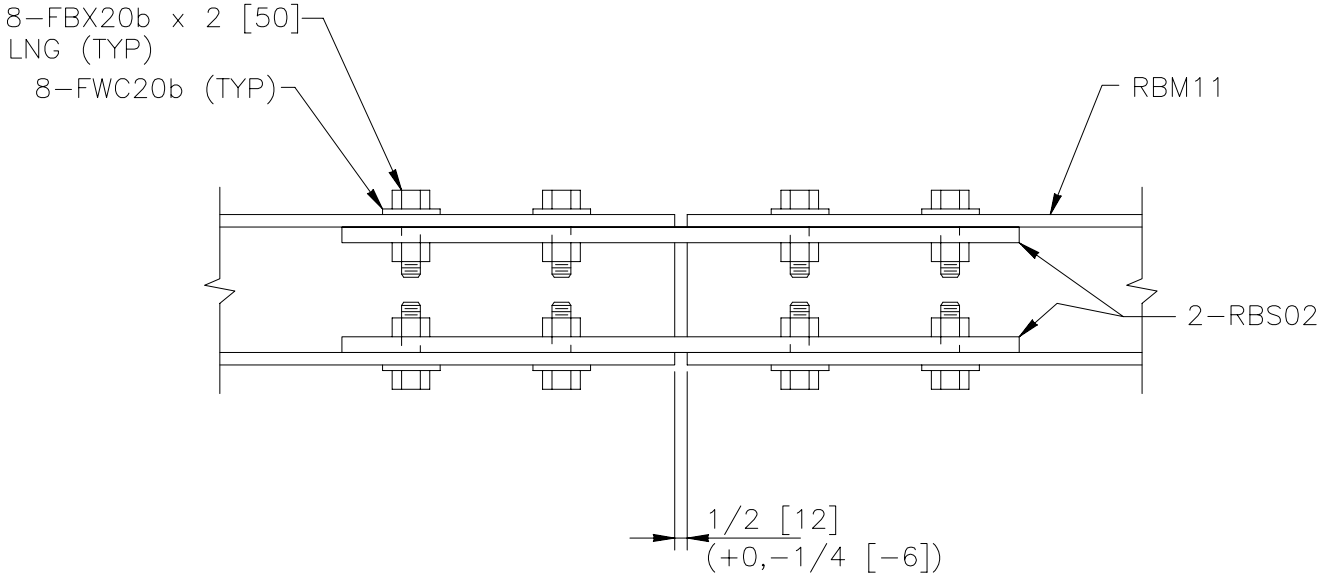

SPLICE ASSEMBLY DETAIL

1994

RECTANGULAR BOX BEAM SPLICE

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SPECIFICATIONS

Box beam splice plates shall be manufactured from AASHTO M 183/183M (ASTM A 36/36M) steel plate. The nuts shall be plain ungalvanized FNX20b nuts and shall be welded to the plate according to ANSI/AASHTO/AWS D1.5. Alternatively, the nuts can be eliminated by reducing the 7/8-inch [22-mm] diameter holes to 3/4-inch [20-mm] and tapping the holes for ANSI ¾-10 Class 2AG [M20x2.5 Class 7g] threads. All punching, drilling, cutting and welding must be done prior to galvanizing the part. The plate, with nuts attached or threads cut, shall be hot-dip zinc coated according to AASHTO M 111 (ASTM A 123) except when corrosion-resistant steel is requested, in which case AASHTO M 270 (ASTM A 709) Grade 50W [AASHTO M 270M (ASTM A 709M) Grade 345W] steel shall be used.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

Two box beam splice plates are used to connect RBM11 rail elements in the SGM03 box-beam median barrier. Four 2-inch [50-mm] long FBX20b bolts are threaded through these splice plates to connect sections of rail.

RECTANGULAR BOX BEAM SPLICE

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