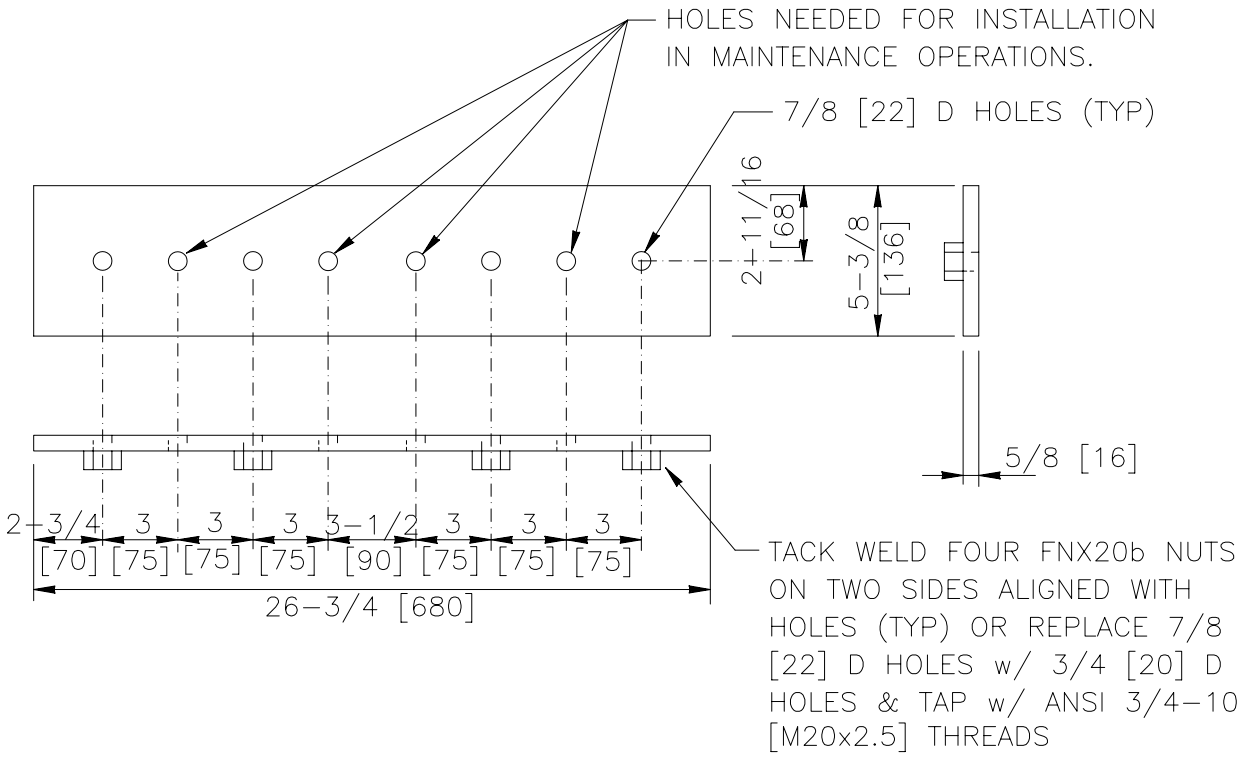

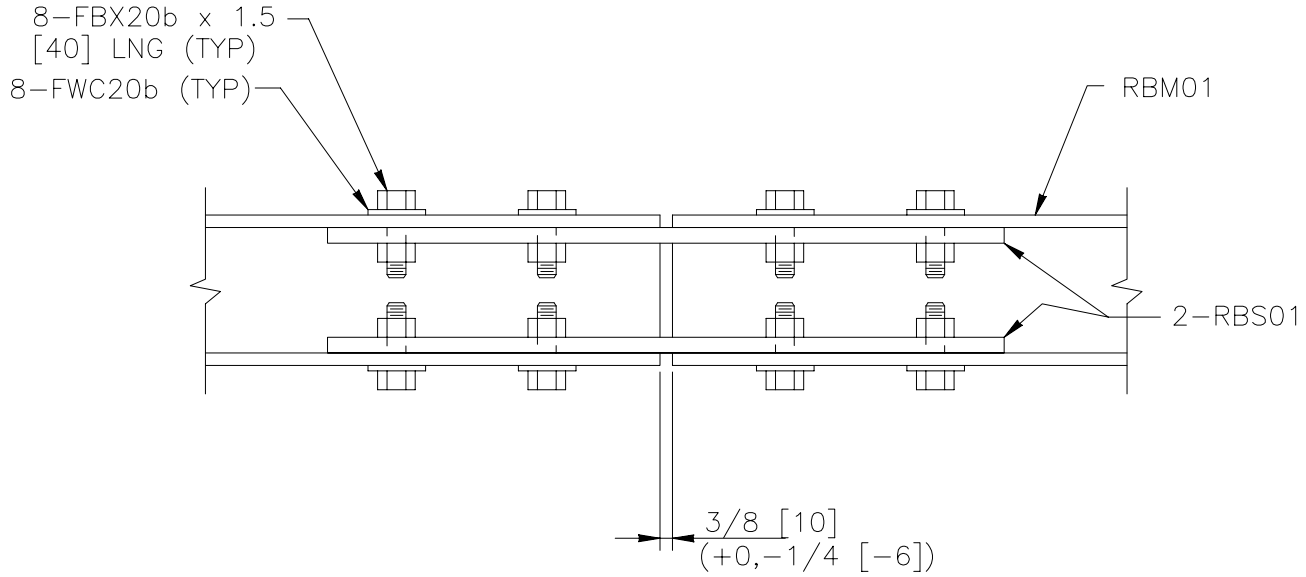

SPLICE ASSEMBLY DETAIL

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SQUARE BOX BEAM SPLICE

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SPECIFICATIONS

Box beam splice plates shall be manufactured from AASHTO M 270 (ASTM A 709) Grade 36 [AASHTO M 270M (ASTM A 709M) Grade 250] 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 RBM01 rail elements in the SGR03 box-beam guardrail system. Four 2-inch [50-mm] long FBX20b bolts are threaded through each of the four holes in each end of the RBM01 box beams. The RBS01 splice plate is also used to connect an RBM01 box-beam rail and the RBM05 terminal rail in the SEB box-beam guardrail anchor.

SQUARE BOX BEAM SPLICE

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