

Cross-Section Dimensions are to fit Over or Under Rail Components RTM01a-RTM06b, See RTM01a-02b Sheet 3 of 4 for Details.

Designator	Nominal Base Metal Thickness
RTE01b	10 gage [3.42]

THREE-BEAM TERMINAL CONNECTOR



RTE01b

SHEET NO.

DATE

1 of 4

1/17/2020

SPECIFICATIONS

RTE01b terminal connectors shall conform to the current requirements of AASHTO M180, Class B, and may be either Type II (zinc-coated steel) or Type IV (corrosion-resistant steel). Type IV shall conform to ASTM A606 Type IV material, and shall not be zinc-coated, painted, or otherwise treated.

Sheet 1 shows the optimized hole/slot configuration identified in the research report referenced below.

Sheet 3 shows Alternate 1, which utilizes *diagonal* splice bolt slots and round holes.

Sheet 4 shows Alternate 2, which utilizes *horizontal* splice bolt slots and round holes.

Originally, RTE01b terminal connectors were fabricated with 29/32"x1-1/8" [23x29] splice slots in the *horizontal* orientation. Alternates 1 & 2 were developed to be easier to install when several sections are nested and bolted together. The optimized version shown on Sheet 1 was developed to improve alignment of holes and slots when nesting multiple layers and reduce the need for field modifications during installation.

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

RTE01b terminal connectors are used in various Thrie-Beam Guardrail applications.

REFERENCES

Akram Y. Abu-Odeh, Corey Smith, Wanda L. Menges, and Darrell L. Kuhn. *Optimization of Thrie-Beam Terminal End Shoe Connection*. Report No. 9-1002-15-7, Texas A&M Transportation Institute, College Station: The Texas A&M University System, April 2017.

THRIE-BEAM TERMINAL CONNECTOR

RTE01b

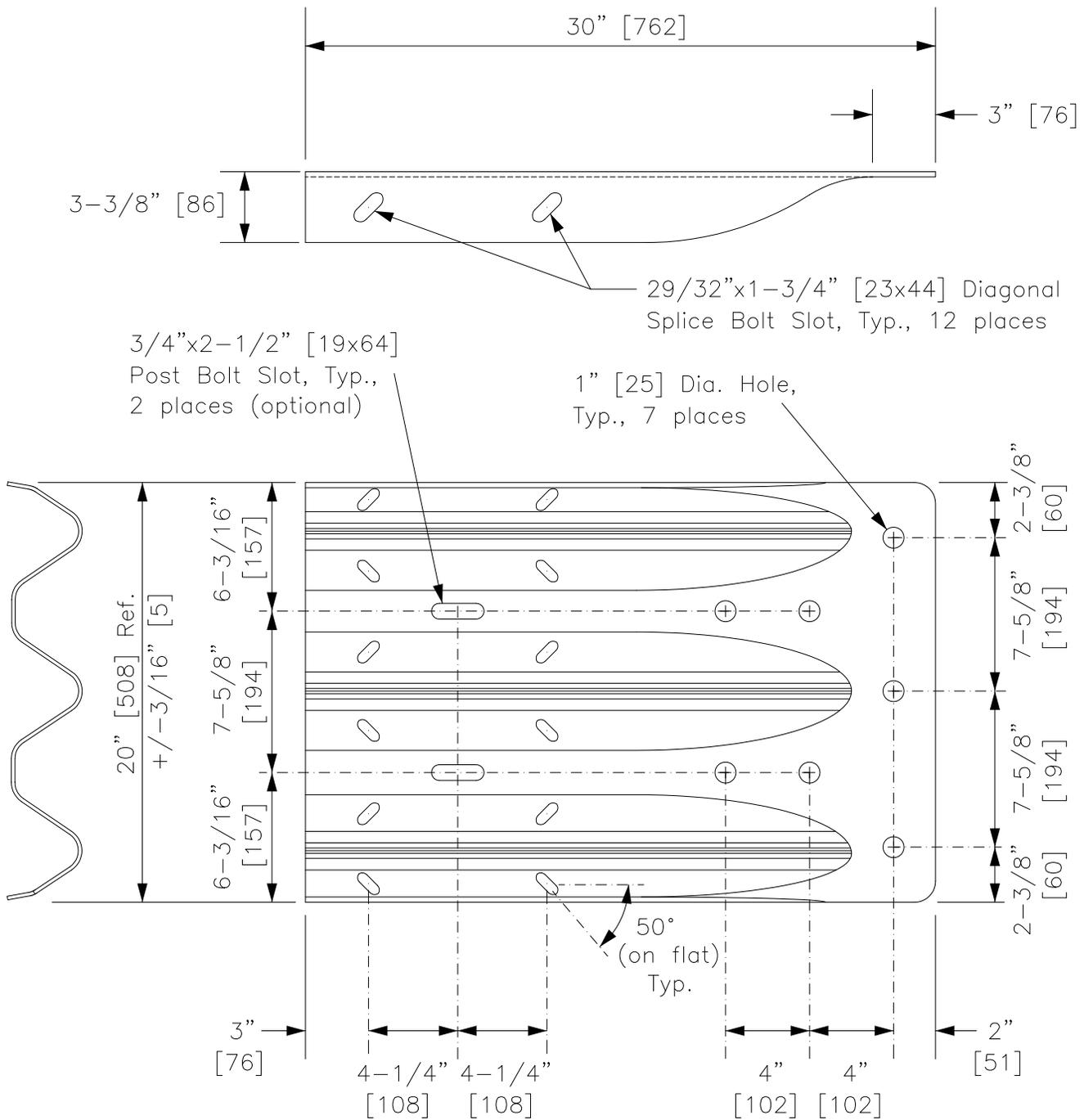


SHEET NO.

DATE

2 of 4

1/17/2020



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ALTERNATE 1

THREE-BEAM TERMINAL CONNECTOR



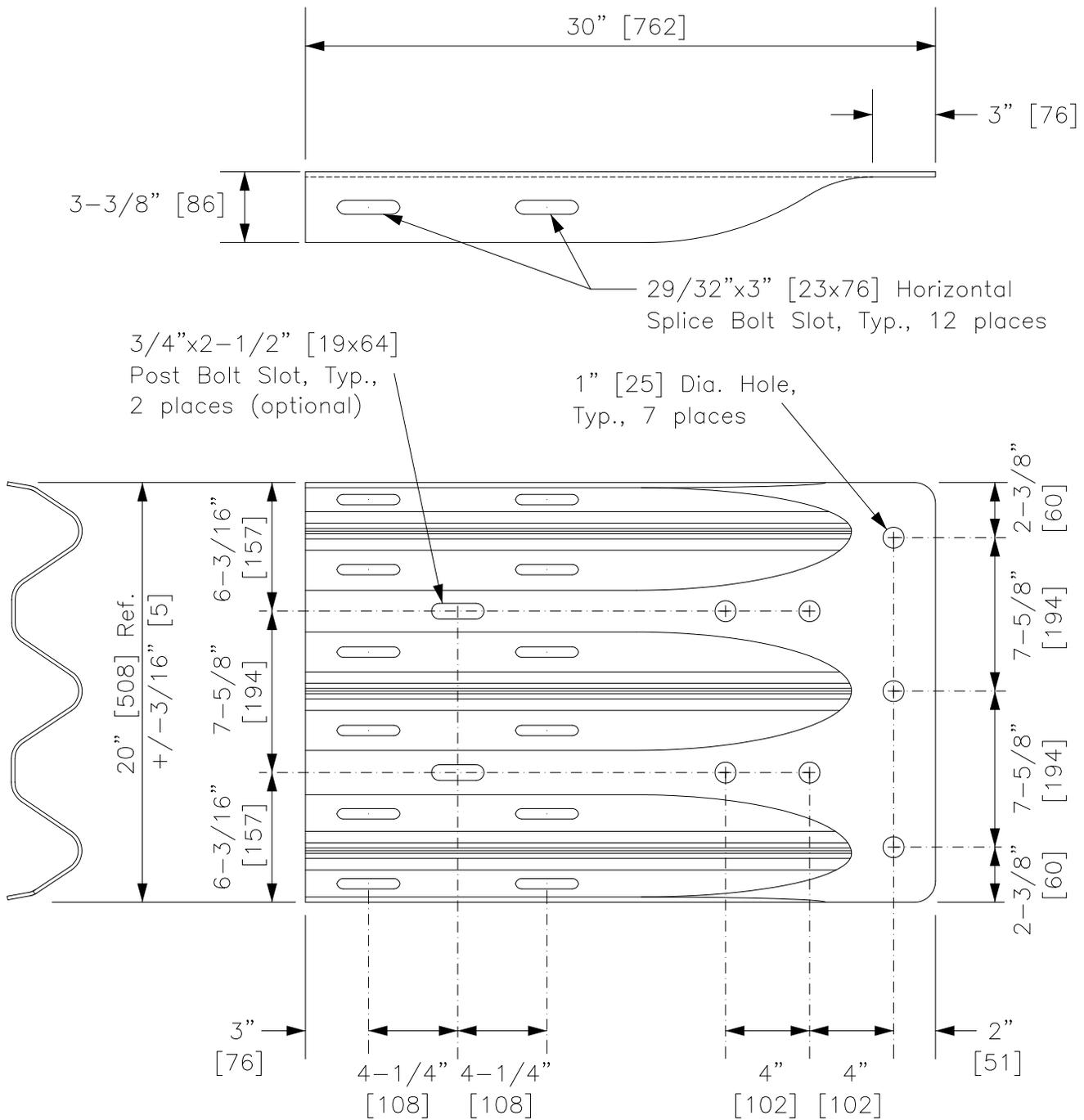
RTE01b

SHEET NO.

DATE

3 of 4

1/17/2020



Cross-Section Dimensions are to fit Over or Under Rail Components RTM01a-RTM06b, See RTM01a-02b Sheet 3 of 4 for Details.

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ALTERNATE 2

THREE-BEAM TERMINAL CONNECTOR



RTE01b	
SHEET NO.	DATE
4 of 4	1/17/2020