

NOTE:
 All timber to be Douglas Fir. The stress grade as follows:
 Rail Posts - Post and Timber, Dense Select Structural
 Curb and scupper - Beams and Stringers, No. 1
 Pre-Fab Deck Panels - Joist and Plank, No. 1
 Glu-Lam Rail - 24F -V8
 The prefabricated deck panels to be dowel laminated using 3/8" x 15" galvanized dowels.

DESIGN NOTES:
 Rail posts spaced maximum of 6 feet.
 Tabulated design values for the strength properties of the timber components are to be modified where appropriate using Duration-of-Load Factor (1.65) for 5 minute loading.
 The railpost to curb and curb to deck dome head bolts to be made from ASTM A 325 steel. All other hardware to be ASTM A 307 steel.

TREATED TIMBER BRIDGE GUIDE RAIL SYSTEM
LONGITUDINAL DOWEL LAMINATED DECK

Figure B7.66. Glu-Lam Wood Rail on Wood Deck (20,97).

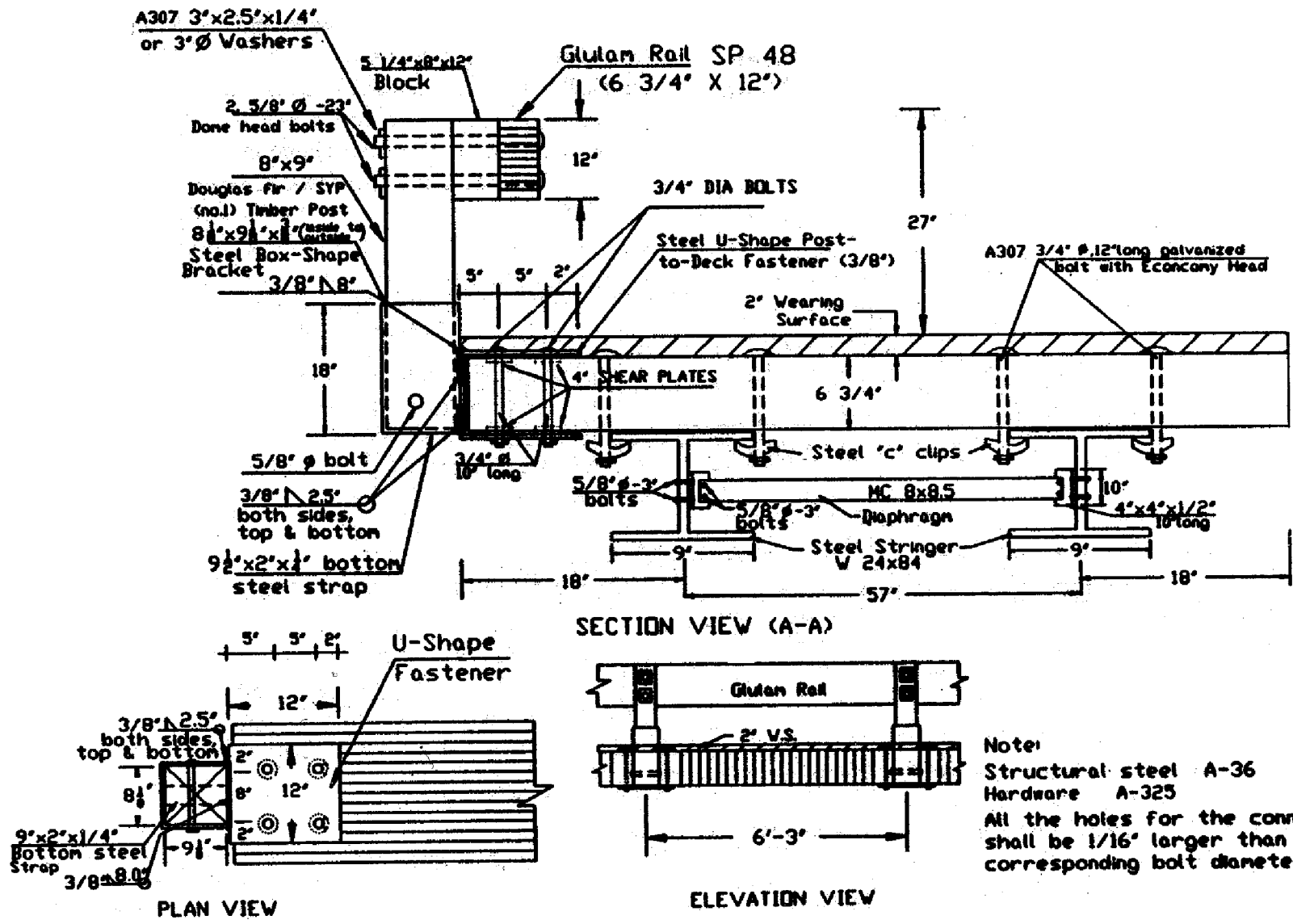


Figure B7.67. Timber Bridge Rail, System 1 (98,99).

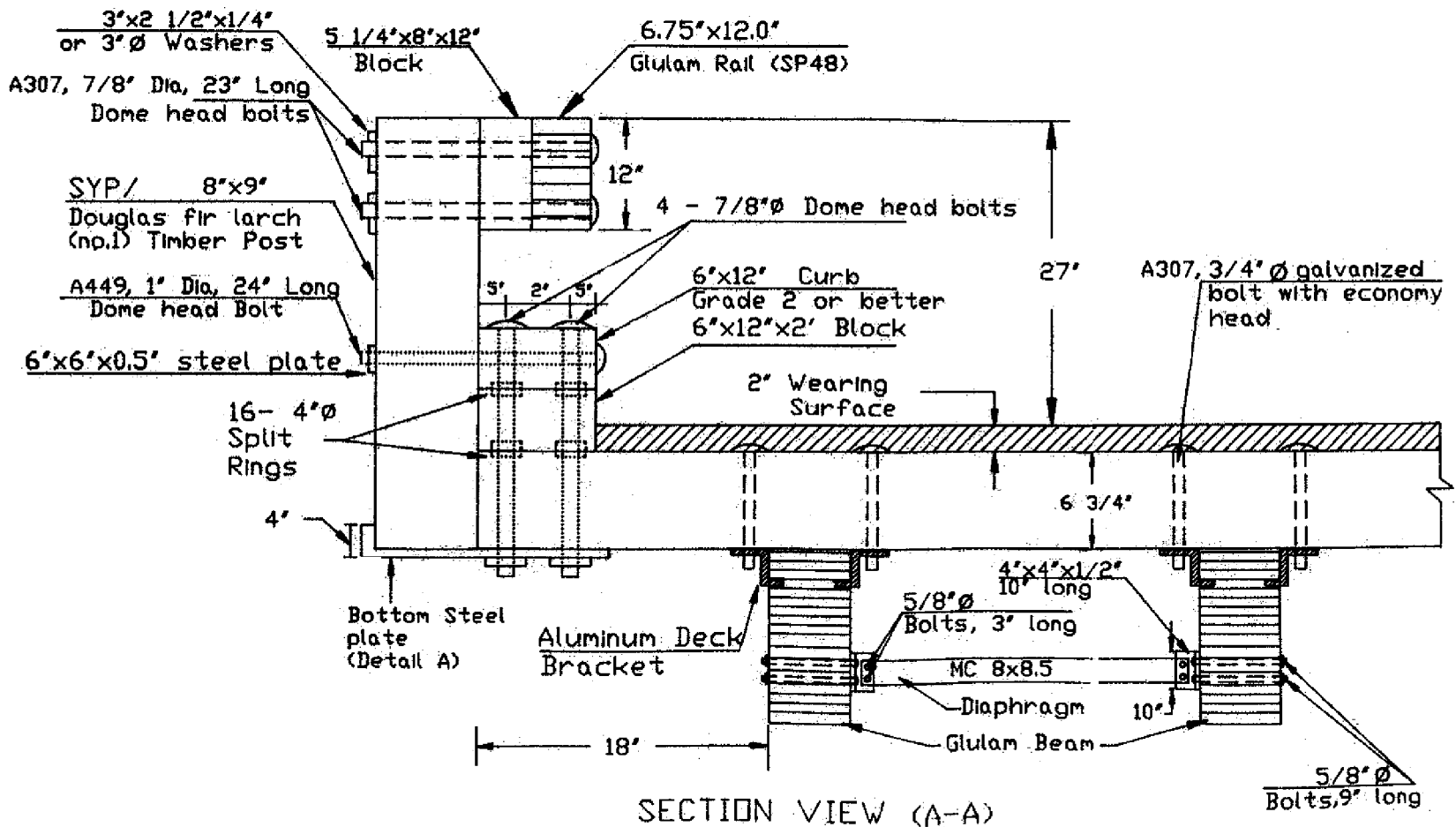


Figure B7.68. Timber Bridge Rail, System 2 (100,99).

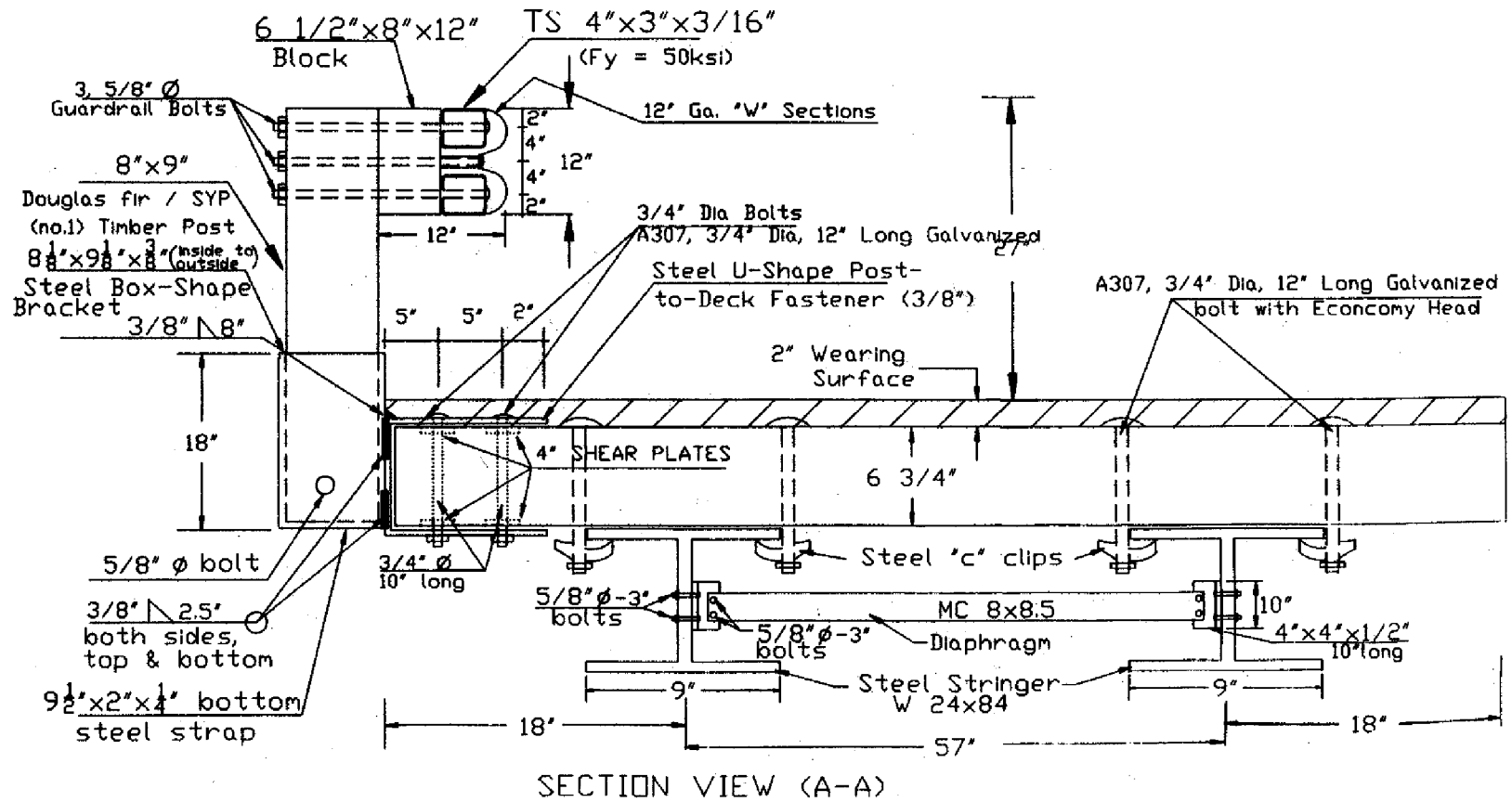


Figure B7.69. Timber Bridge Rail, System 3 (101,99).

Steel Rail

476

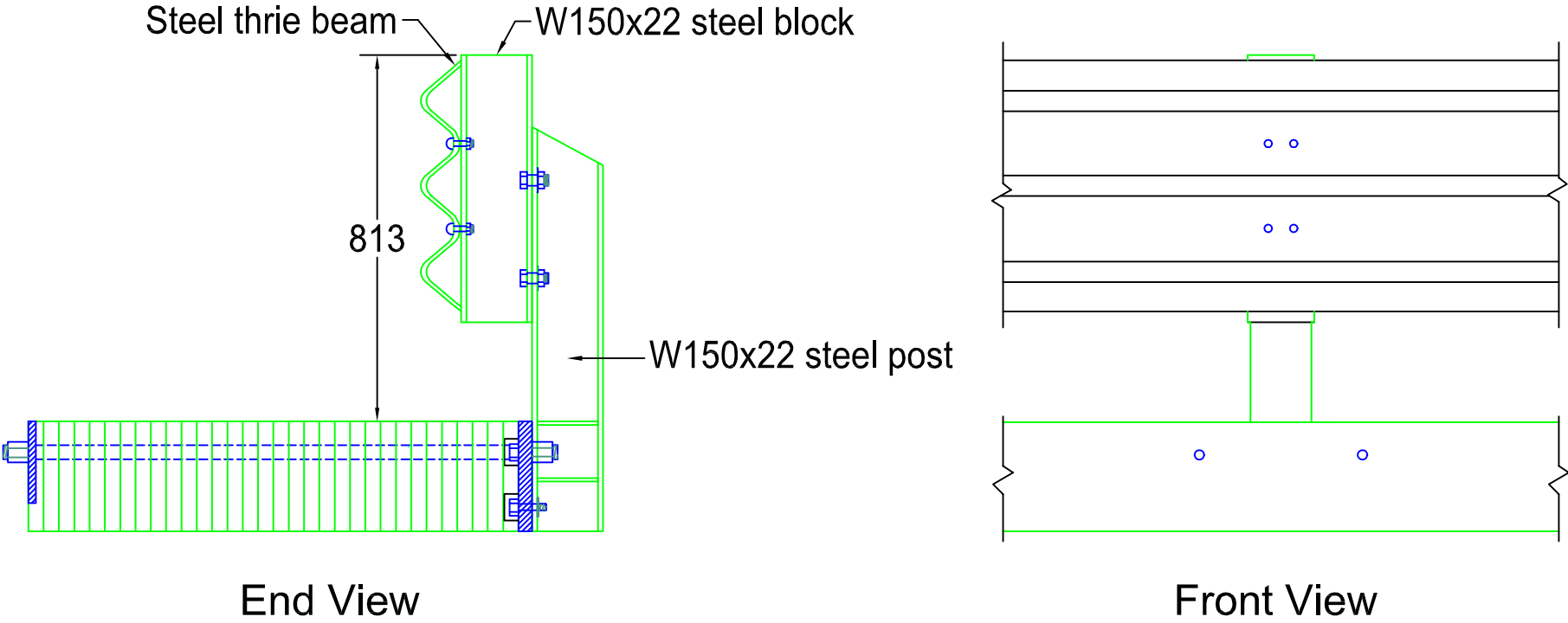


Figure B7.70. Steel System, Thrie Beam on Steel Posts (102,103).

Glulam Timber Rail with Curb

477

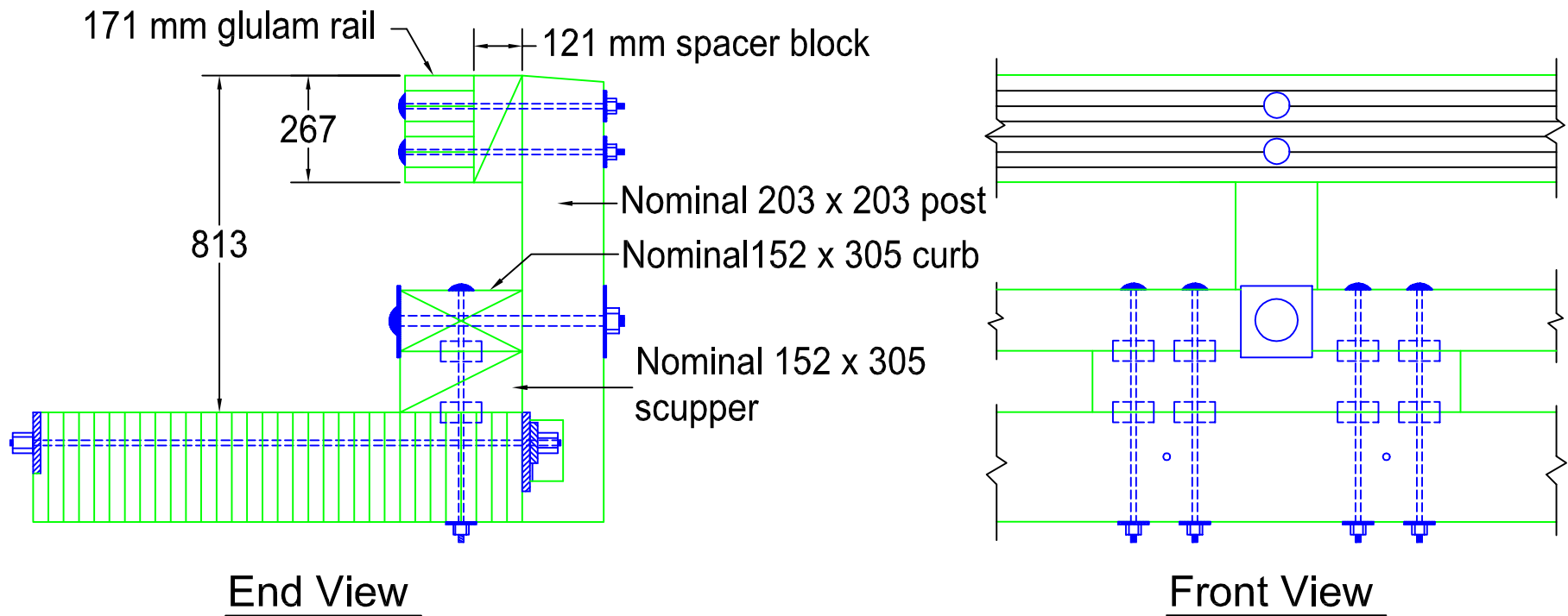
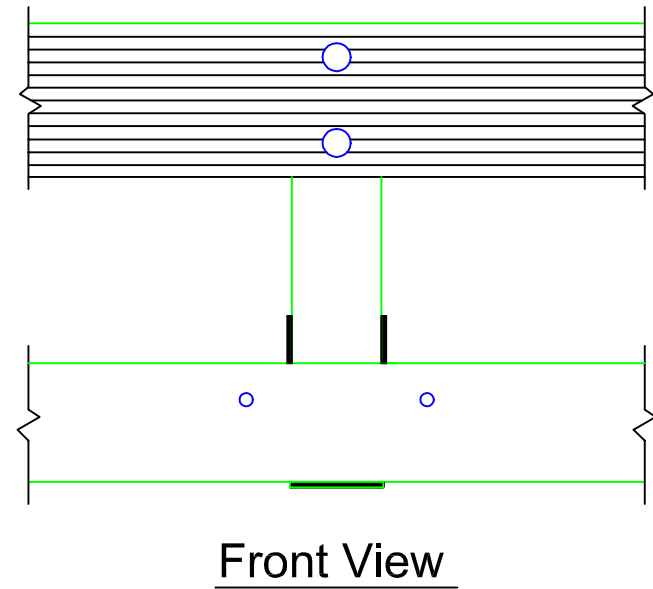
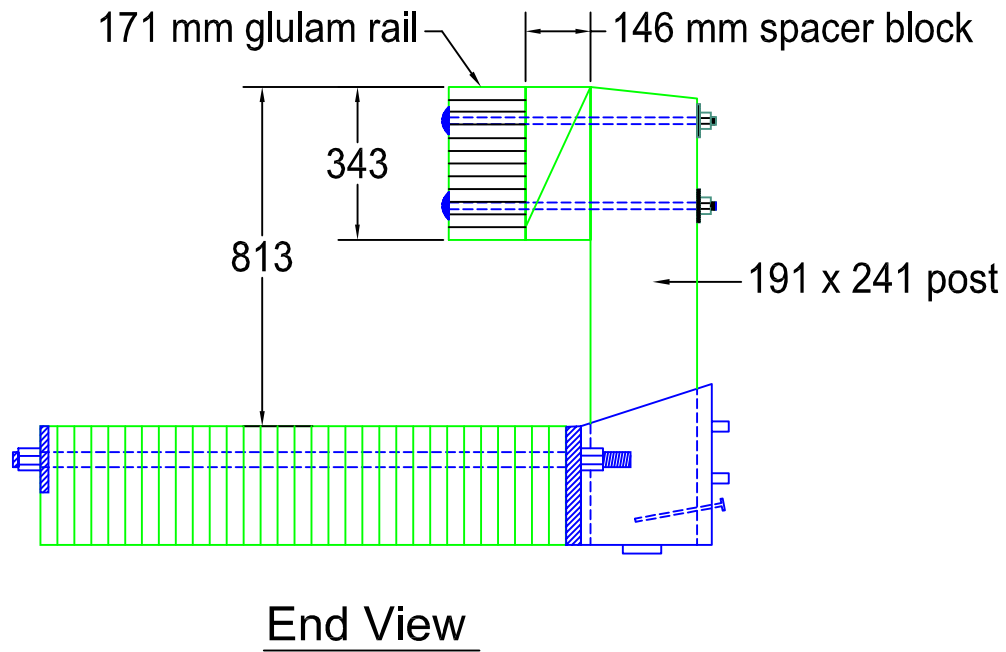


Figure B7.71. Curb System, Glu-Lam Timber Rail with Curb (102,103).

Glulam Timber Rail without Curb

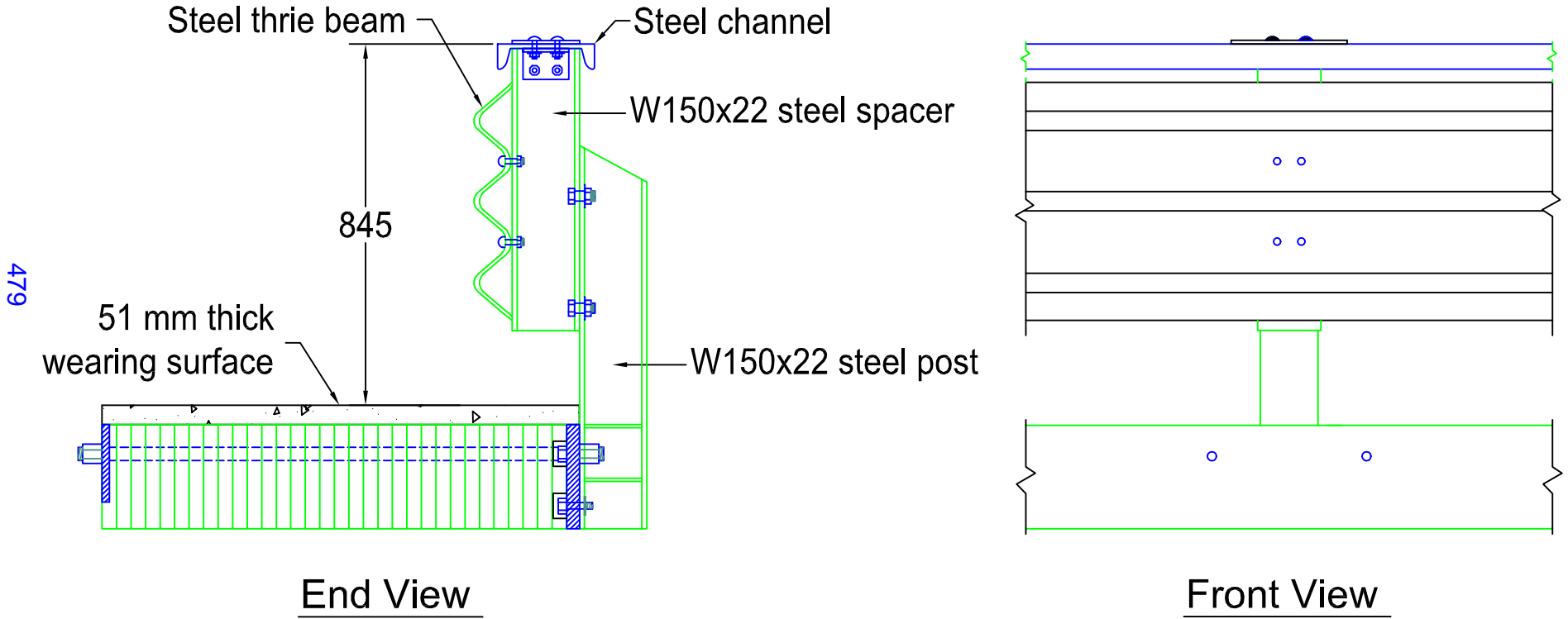
478



*Dimensions in mm.

Figure B7.72. Shoe Box System, Glu-Lam Timber Rail without Curb (102,103).

Steel Rail

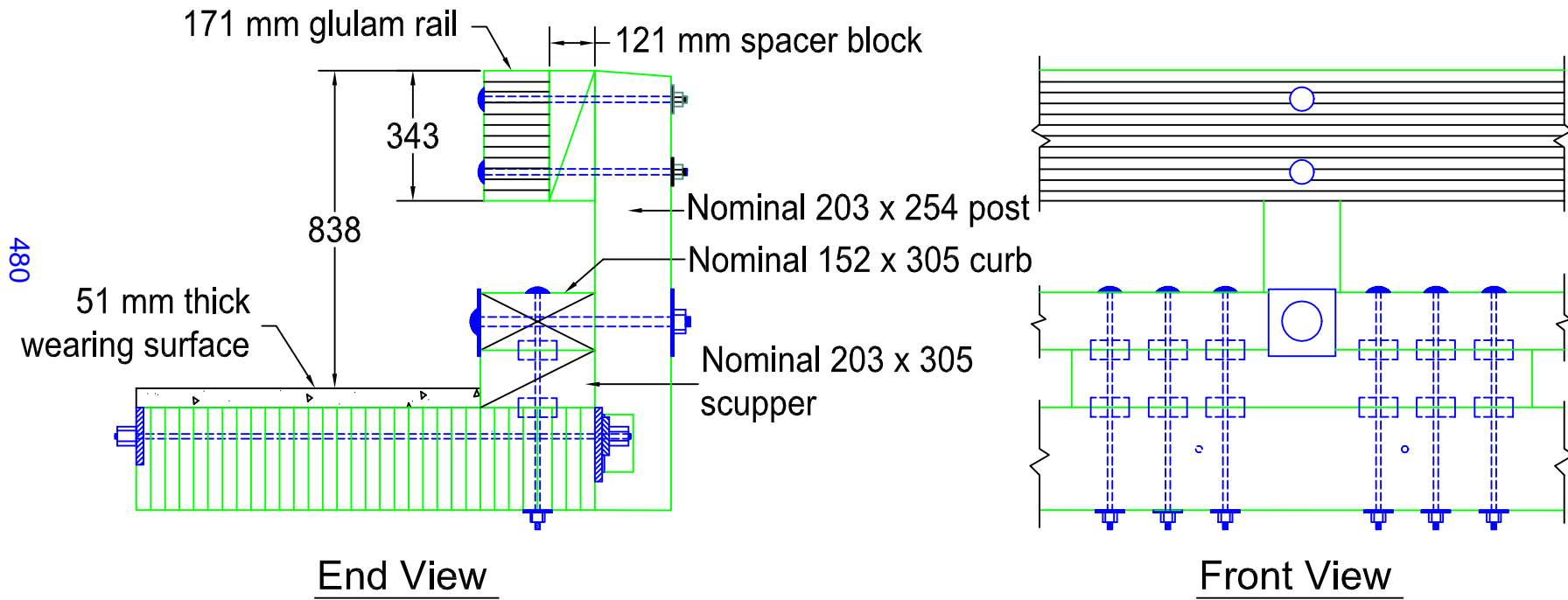


479

*Dimensions in mm.

Figure B7.73. TBC-8000, Thrie Beam with Stiffened Steel Posts (104,105).

Glulam Timber Rail with Curb



*Dimensions in mm.

Figure B7.74. GC-8000 Glu-Lam Timber Rail with Curb (104).