

ADL

WLW

WL.W

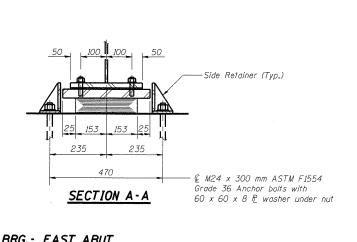
I-2-E1 (M) 4-30-99

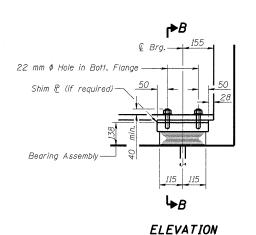
ADL/DGM

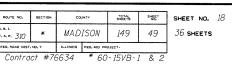
DESIGNED

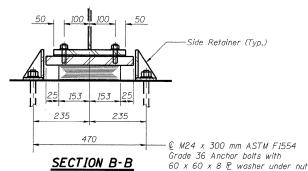
CHECKED

CHECKED









TYPE I ELASTOMERIC EXP. BRG. - WEST ABUT.

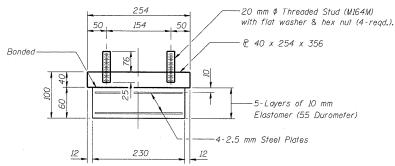
-20 mm Ø Threaded Stud (M164M)

? 40 x 254 x 356

-8-Layers of 10 mm Elastomer (55 Durometer)

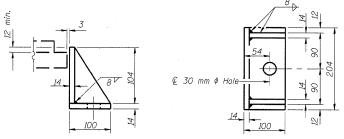
7-2.5 mm Steel Plates

with flat washer & hex nut (4-reqd.).



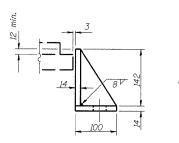
BEARING ASSEMBLY - EAST ABUT.

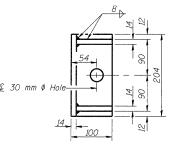
Note: Shim plates shall not be placed under Bearing Assembly.



SIDE RETAINER - EAST ABUT.

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. (18 - Req'd)





SIDE RETAINER - WEST ABUT.

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BEARING ASSEMBLY - WEST ABUT.

Note: Shim plates shall not be placed under Bearing Assembly.

(9-Req'd)

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. (18 - Req'd)

See Sheet #19 of 36 for Bearings at Pier #1 & Pier #2.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Since there is no metric specification for ASTM F1554 the anchor bolt

requirements are given in English units.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the bearing assembly shall be included in the cost of

Elastomeric Bearing Assembly Type I.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270M Grade 345.

BILL OF MATERIAL

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<i>Item</i>	Unit	Total
Elastomeric Bearing Assembly Type I	Each	27
Anchor Bolts 24 mm Ø	Each	36
Anchor Bolts 36 mm ¢	Each	36

BEARING DETAILS FAP RTE. 310 (IL RTE. 255) NB & RAMP C OVER UNION PACIFIC & KANSAS CITY SOUTHERN R.R. SECTION 60-15VB-1 & 2 MADISON COUNTY STATION 39+160.297 STRUCTURE NUMBER 060-0310