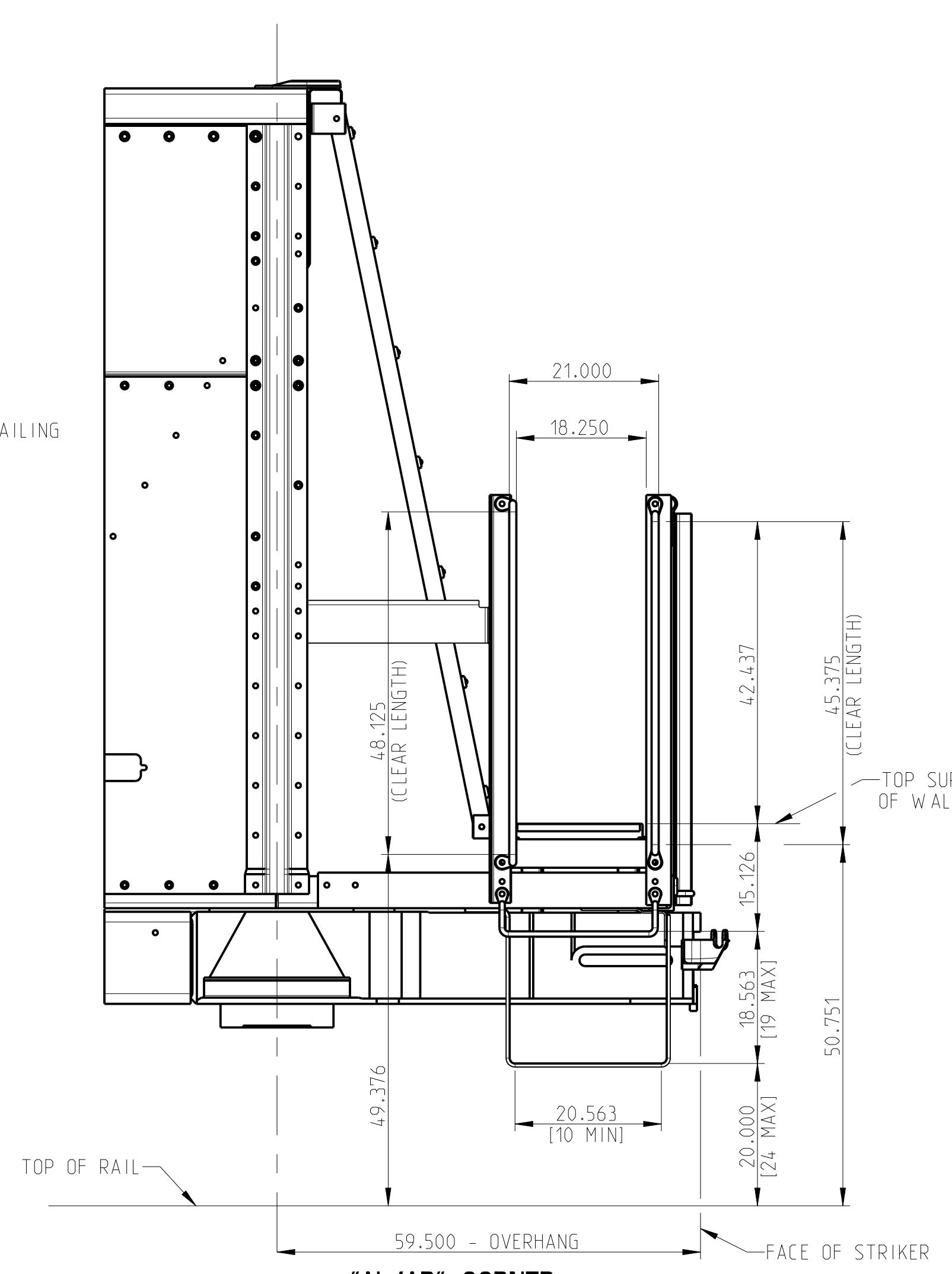
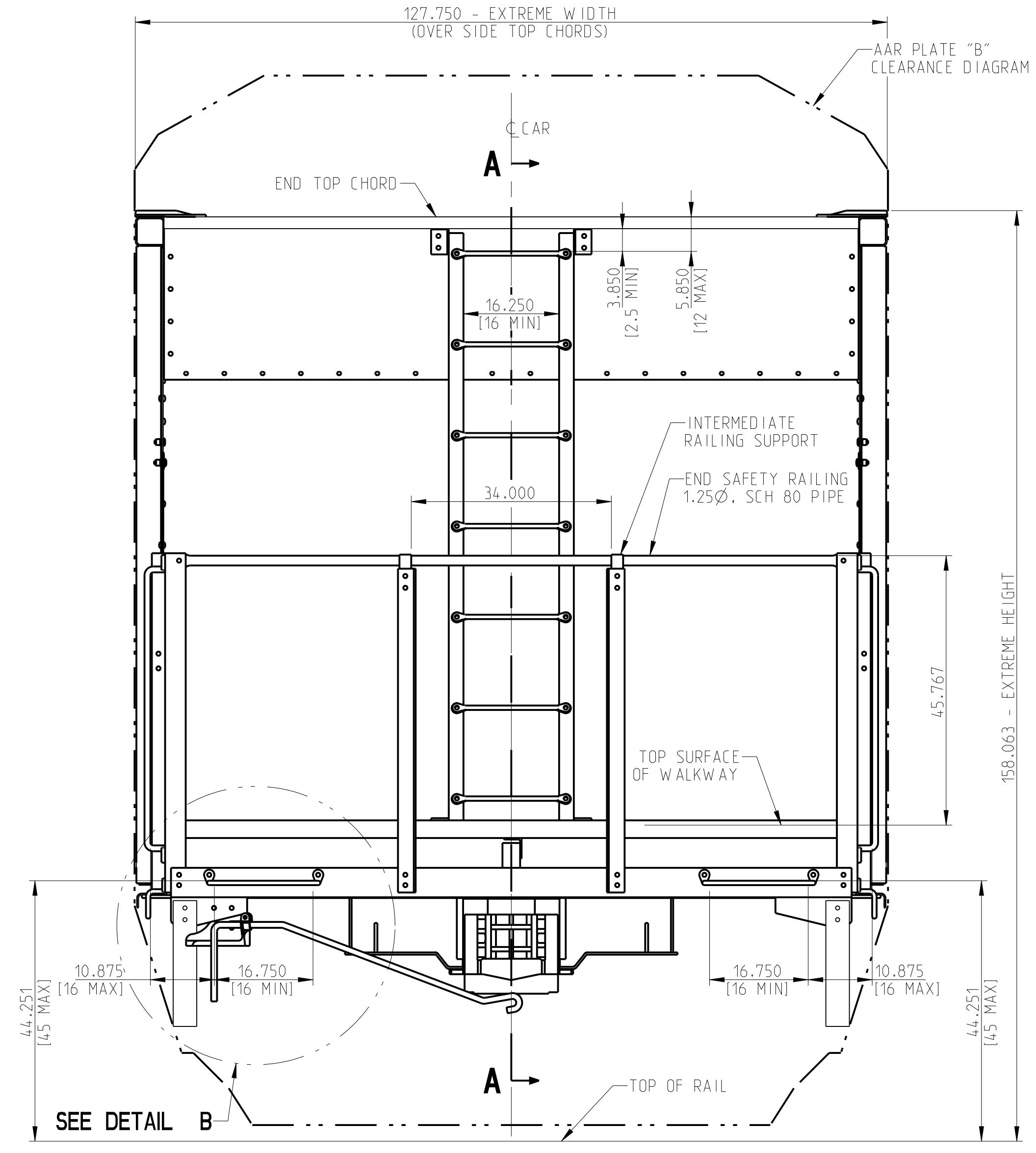


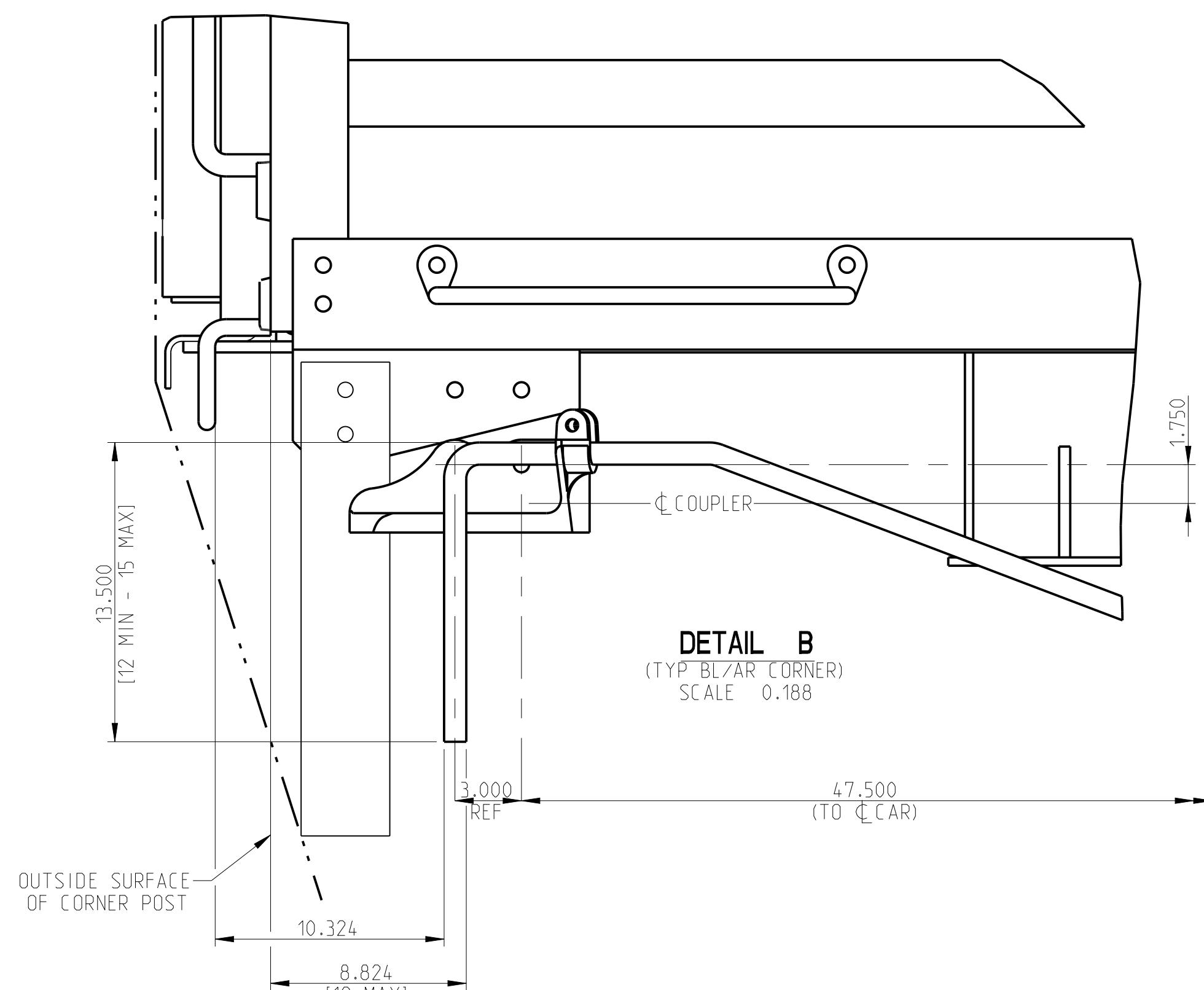
## **SECTION A-A**



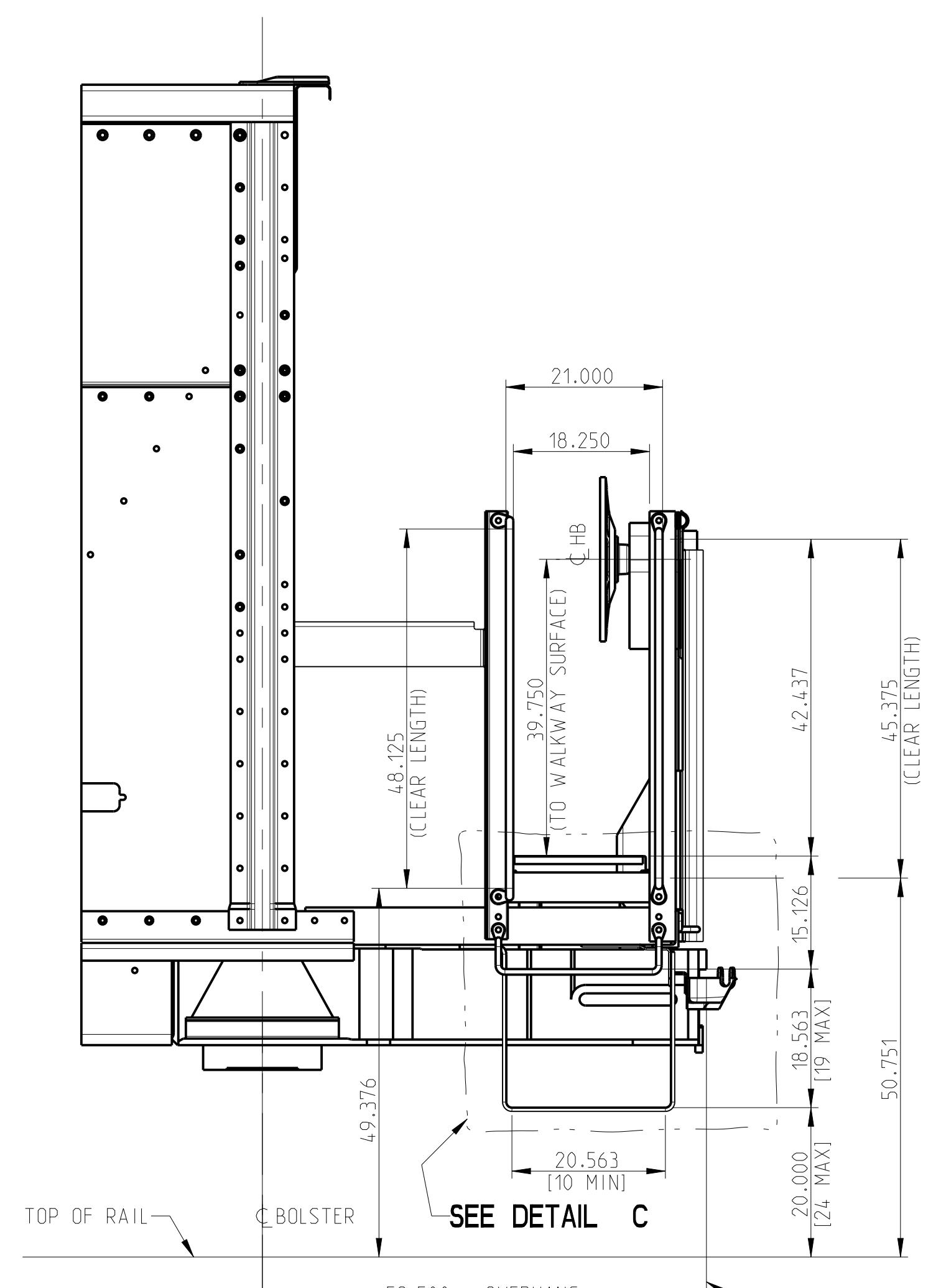
## **59.500 - OVERHANG**



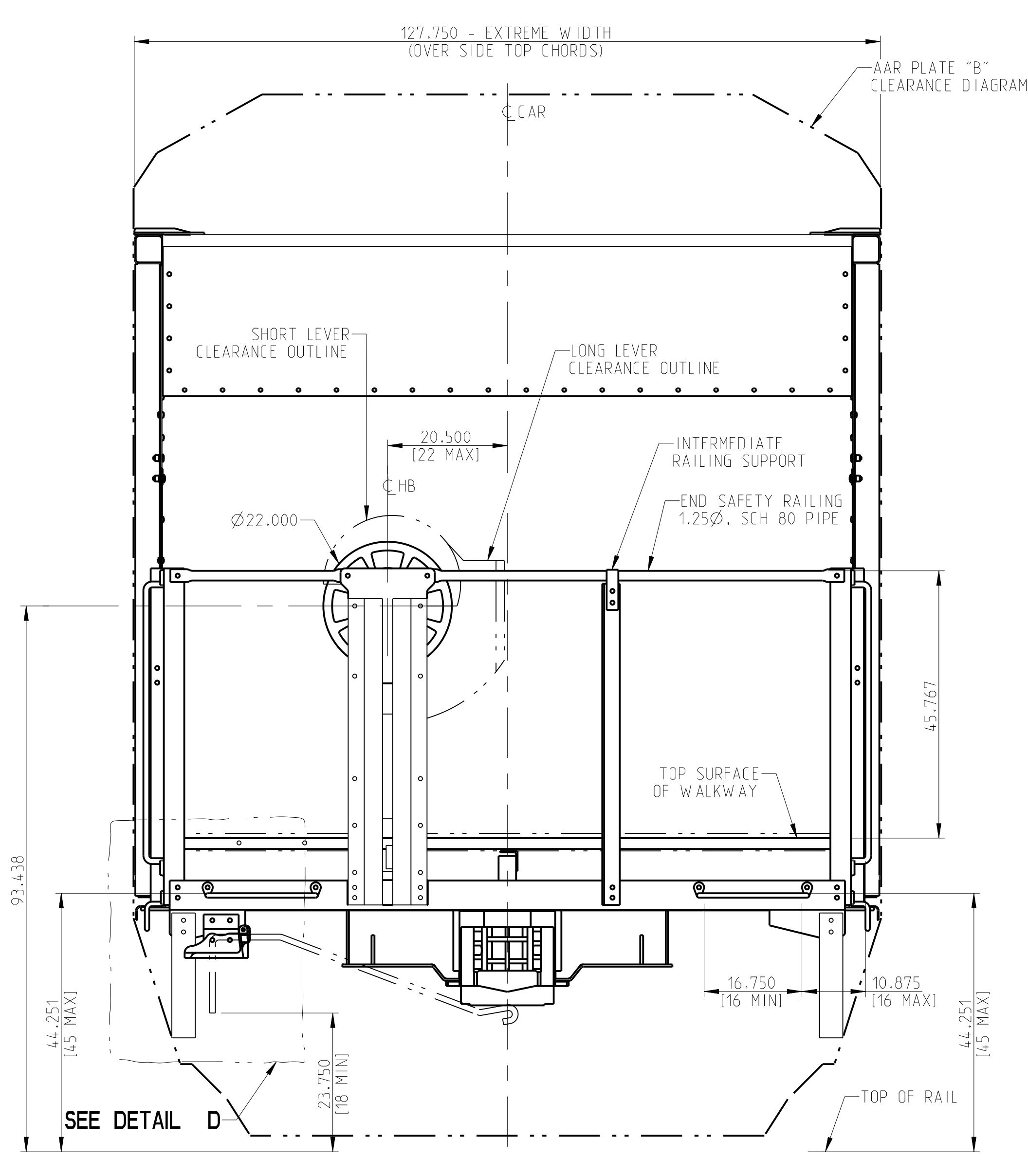
A" END



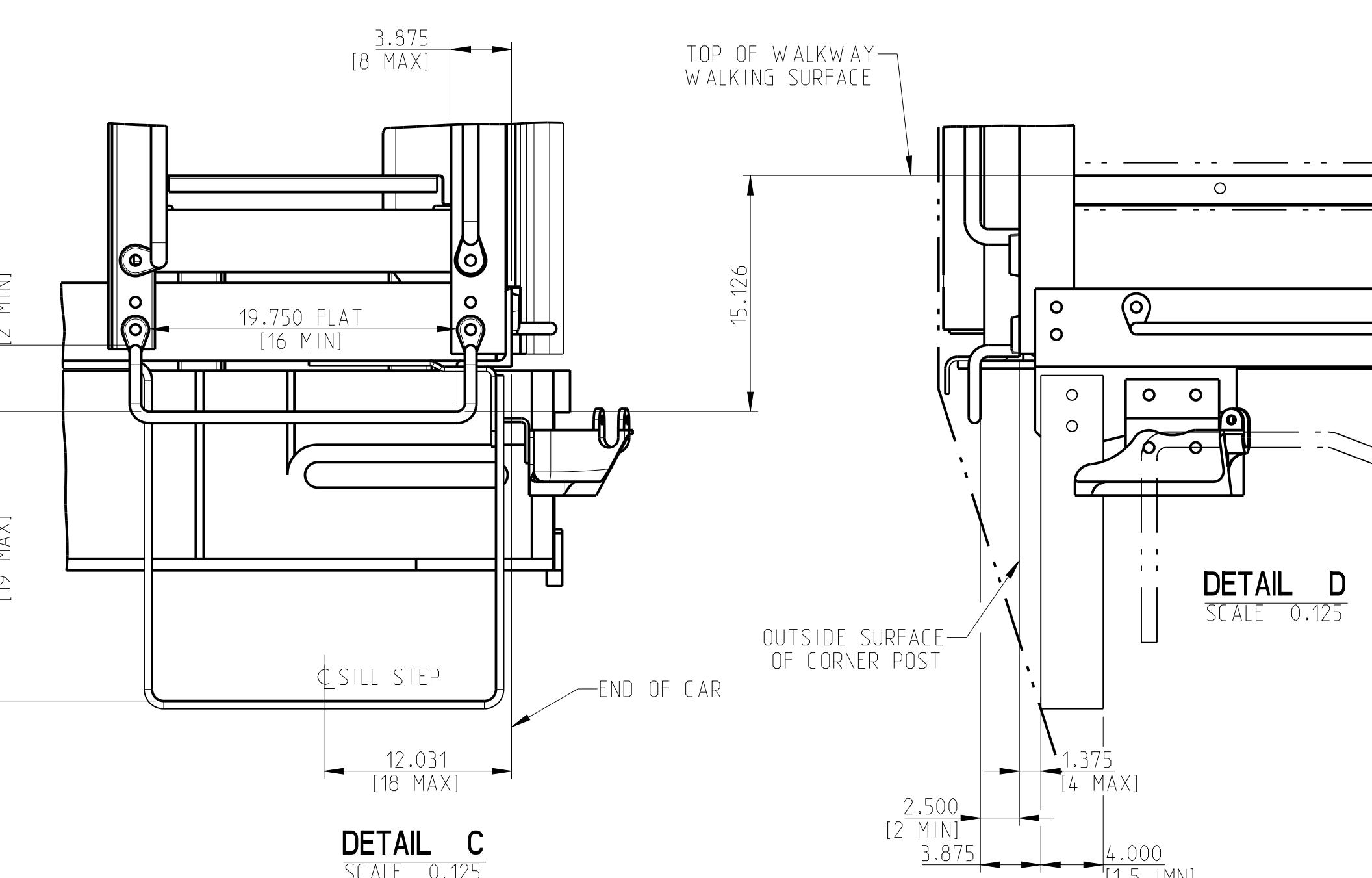
## **DETAIL B**



"BL/BR" CORNER



" END



**DETAIL**

## NOTE

- NOTE:**

  1. CAR CONSTRUCTION IS SUBMITTED FOR FRA APPROVAL AS A "CAR OF SPECIAL CONSTRUCTION", 231.18. CAR CONSTRUCTION CLOSELY RESEMBLES "HOPPER CARS AND HIGH SIDED GONDOLAS WITH FIXED ENDS", 231.2. HOWEVER CUSTOMER HAS REQUESTED A CROSSOVER RUNNING BOARD ON BOTH ENDS WITH END LADDER ON "A" END. THIS CAR CONSTRUCTION IS NEAREST TO BOX AND OTHER HOUSE CARS WITHOUT ROOF HATCHES." 231.27.
  2. DIMENSIONS NOTED WITH [ ] ARE PER RAILROAD SAFETY APPLIANCE STANDARDS. ALL OTHER DIMENSIONS ARE REFERENCE.
  3. VERTICAL HANDHOLDS CONSTRUCTED OF  $\varnothing$ 1.000 STEEL BAR.
  4. HORIZONTAL HANDHOLDS AND LADDER TREADS CONSTRUCTED OF  $\varnothing$ 0.750 STEEL BAR.
  5. SILL STEPS CONSTRUCTED OF 0.500 X 4.000 STEEL BAR.
  6. ALL SAFETY APPLIANCES FASTENED TO CAR BODY USING  $\varnothing$ 0.625 LOCK BOLTS EXCEPT WALKWAYS. WALKWAY PLATFORMS FASTENED TO CAR BODY USING  $\varnothing$ 0.500 STANDARD BOLTS, TACK WELDED.
  7. HORIZONTAL END SAFETY RAILINGS CONSTRUCTED OF  $\varnothing$ 1.25 SCHEDULE 80 STEEL PIPE.

A	01-10-13	JWB	JWB	UPDATED CAR DESIGN.
level	Date	Approved		Description
<b>REVISIONS</b>				
<b><i>FreightCar America</i></b>				
THIS DRAWING IS THE EXCLUSIVE PROPERTY OF FREIGHTCAR AMERICA AND CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. BY ACCEPTING THIS DRAWING, THE RECIPIENT AGREES (A) TO USE THIS DRAWING ONLY FOR THOSE PURPOSES APPROVED IN WRITING BY FREIGHTCAR AMERICA, (B) NOT TO REPRODUCE OR MODIFY THIS DRAWING, IN WHOLE OR IN PART, AND (C) NOT TO DISCLOSE THIS DRAWING TO ANY PERSON OR ENTITY, NOR USE THE DRAWING FOR THE DESIGN OR MANUFACTURE OF ANY ITEM, PART, OBJECT OR APPARATUS THEREOF, EXCEPT UPON THE PRIOR RITTEN PERMISSION OF FREIGHTCAR AMERICA.				
<b>Standard Tolerances (Unless Noted)</b>				
decimal Dimensions $\pm$ 0.063		Hole Diameters $\pm$ 0.031		
diagonals 0.125 Max. Variation		Angles $\pm$ 1°		
radii will be thickness of material		Tolerances are not accumulative		
Made By: MHK		Date: 12-21-12	Ref Dwg: A108430-000	
Approved: JWB		Do Not Scale Drawing	Est. Wt: N/A	
<b>ARRANGEMENT, SAFETY APPLIANCE</b>				
Sheet 1 of 1	Size <b>F</b>	Drawing / Part Number <b>A108950-000</b>		Rev. <b>A</b>