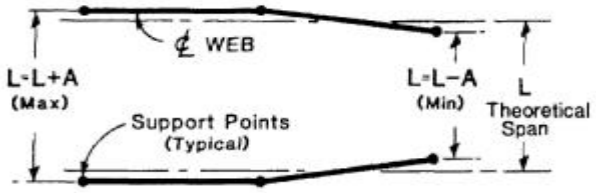
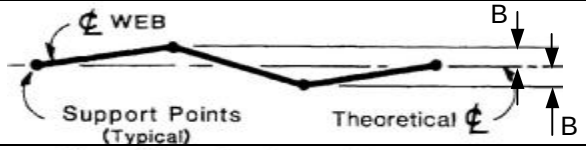
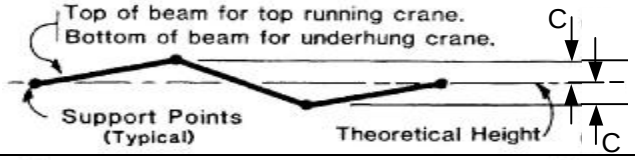
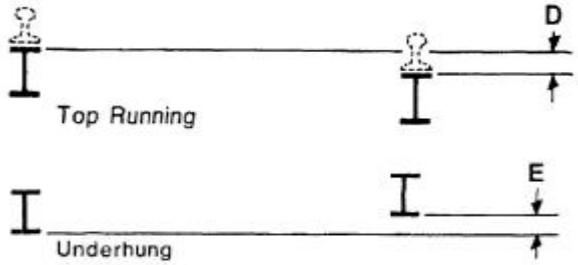
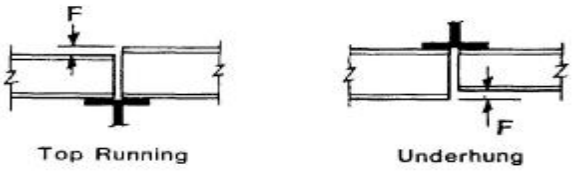
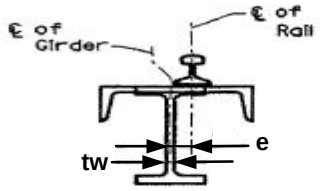
RUNWAY INSTALLATION TOLERANCES

Item	Figure	Overall Tolerance	Maximum Rate of Change
ITEM A Span *1, *2, *5		L ≤ 50' A= $^3/_{16}$" L > 50'≤100'A= ¼" L > 100' A= $^3/_8$"	¼" in 20'-0"
ITEM B Straightness *1, *2, *5		B=+/- $^3/_8$" or ¾" total	¼" in 20'-0"
ITEM C Elevation *1, *2, *5		C=+/- $^3/_8$" or ¾" total	¼" in 20'-0"
ITEM D Rail to Rail Elevation *1, *2, *5		L ≤ 50' D= $^3/_{16}$" L > 50'≤100'D= ¼" L > 100'D= $^3/_8$" L ≤ 50' E= $^3/_{16}$" L > 50'≤100'E= ¼" L > 100' E= $^3/_8$"	¼" in 20'-0"
ITEM E Adjacent Beams *1, *2, *5		F= $^1/_8$"	N/A
ITEM F Rail to Runway Girder Center Line *4		e < $^3/_4$ t_w t_w= wide flange web thickness	N/A
ITEM G Rail Separation *1, *2, *5	Runway crane rail to Runway crane rail joint tolerance	Rail separation at joints shall not exceed 1/16 inch	N/A

Overhead crane and gantry crane and their structural support framing systems shall be designed, fabricated and installed in accordance with the current applicable revisions of the following codes and standards:

*1 "Specifications for Electrical Overhead Traveling Cranes" CMAA Specification Number 70, and Specification for Top Running and Under running Single Girder Electric Overhead Traveling Cranes", CMAA Specification Number 74, Published by the Crane Manufacturers Association of America, Inc.

*2 American National Standard Institute and American Society of Mechanical Engineers publications including but not limited to the following: ANSI/ASME B30.2, B30.2a, B30.2b, B30.10 and B30.17

*3 "Specification for the Design, Fabrication and Erection of the Structural Steel for Buildings" as published by the American Institute of Steel Construction, Inc.

*4 "Industrial Buildings Steel Design Guide Series 7", as published by the American Institute of Steel Construction, Inc.

*5 "MBMA Low Rise Metal Building Design Manual 1996", as published by the Metal Building Manufacturers Association

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