

INTEROFFICE MEMORANDUM

DATE: August 20, 1996

TO: Bridge Division
FROM: Mike Coogan
SUBJECT: Sliding Plate Joint Detailing

Some of our design drawings have not included a dimension that ties the D2L anchor and the vertical headed stud to the 5x5x1/2 angle. These anchors should be centered four inches from the front face of the backwall.

On August 9, a failure occurred in one of the undimensioned joints. The fabricator placed the anchors 3 1/2" from the front face. The 1/2" difference raised the anchor loads by 15%; this may not have caused the failure, but it would have contributed to it.

The attached pages shows how the stud location was detailed on one set of shop plans from City Welding and Fabricating. The location of all anchors is called out; design drawings should be similar.

Handwritten

4"

