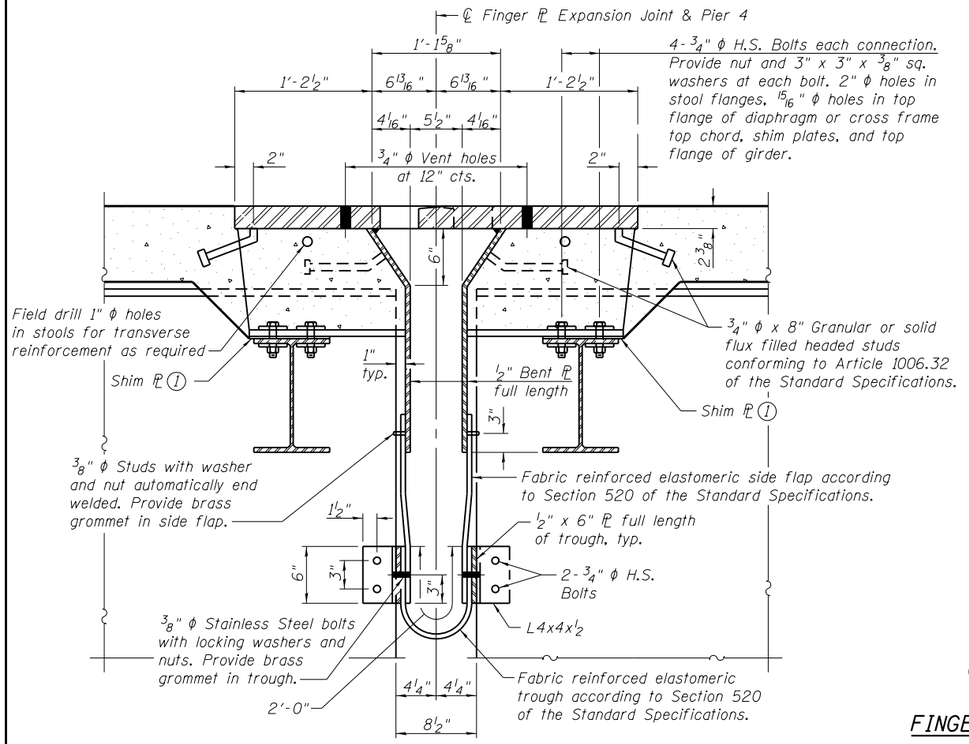
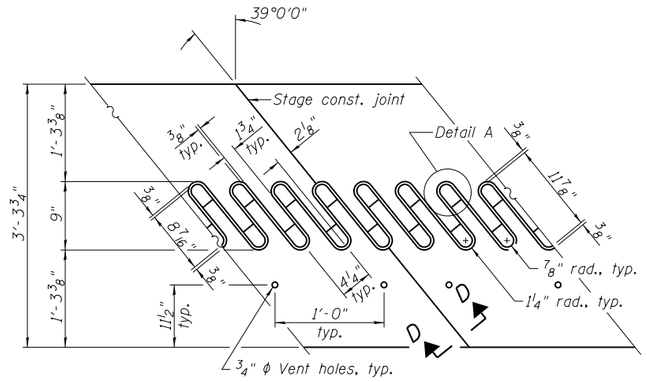
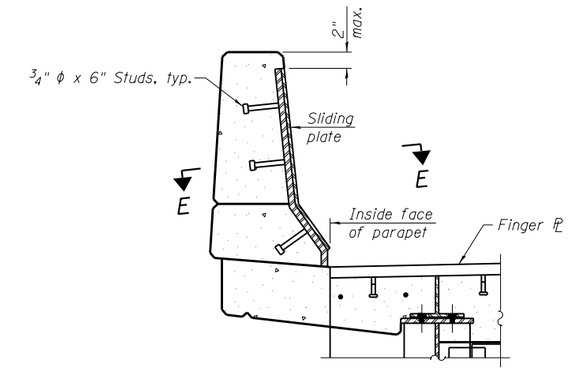


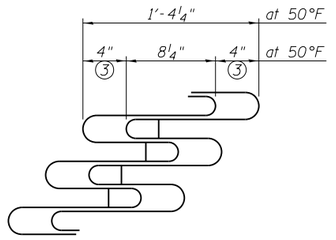
SECTION C-C ②



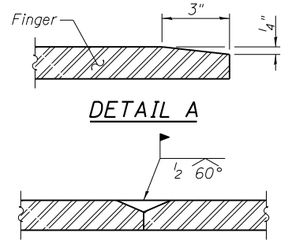
FLAME CUTTING DIAGRAM
(Cut from ℙ 2 3/8" x 3'-3 3/4" NTR)



SLIDING PLATE ASSEMBLY DETAIL

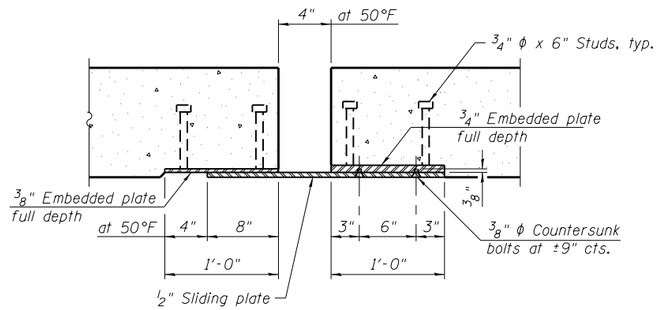


FINGER PLATE SETTING DIAGRAM ④

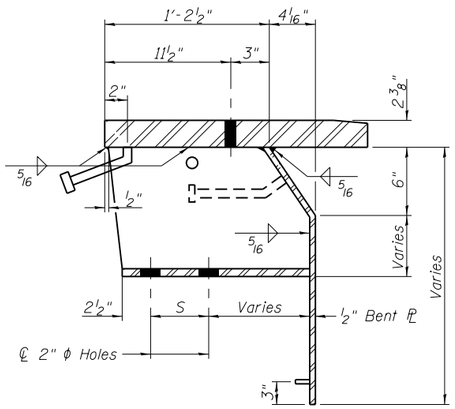


DETAIL A

SECTION D-D



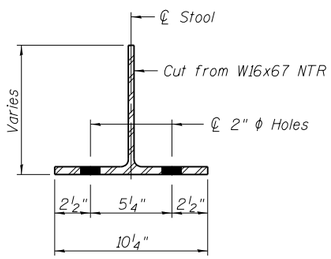
SECTION E-E



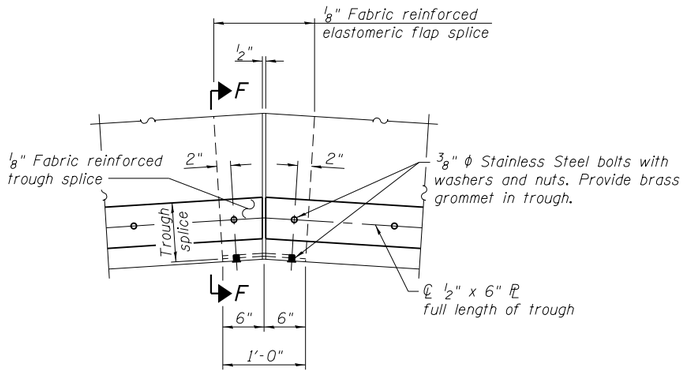
STOOL DETAIL

DIMENSION TABLE

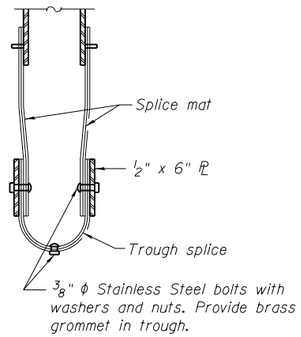
Location	S
Diaphragm or Cross Frame Stool	5 1/2"
Girder Stool	7"



SECTION THRU STOOL



TROUGH SPLICE DETAIL



SECTION F-F

BILL OF MATERIAL

Item	Unit	Total
Finger Plate Expansion Joint, 4"	Foot	41

Notes:
① 1/4" normal shim plus one 1/8" and one 1/16" shim for height adjustment.
② Horizontal dimensions shown at right angles to ℄ Pier and at 50° F.
③ Length varies from 3/4" at 130° F to 7 1/4" at -30° F. Expansion length is 506 ft.
④ Dimensions measured along ℄ girder.
⑤ All steel including hardware associated with the trough system shall be galvanized after fabrication according to Section 520.03 of the Standard Specifications.
⑥ Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.

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USER NAME =	DESIGNED - SJN	REVISED
	CHECKED - JAD	REVISED
PLOT SCALE =	DRAWN - SJN	REVISED
PLOT DATE =	CHECKED - JAD	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINGER PLATE EXPANSION JOINT
STRUCTURE NO. 048-0100
SHEET NO. 27 OF 62 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
626	(44-B-1)BR	KNOX	122	57
		CONTRACT NO. 68759		
	ILLINOIS FED. AID PROJECT			