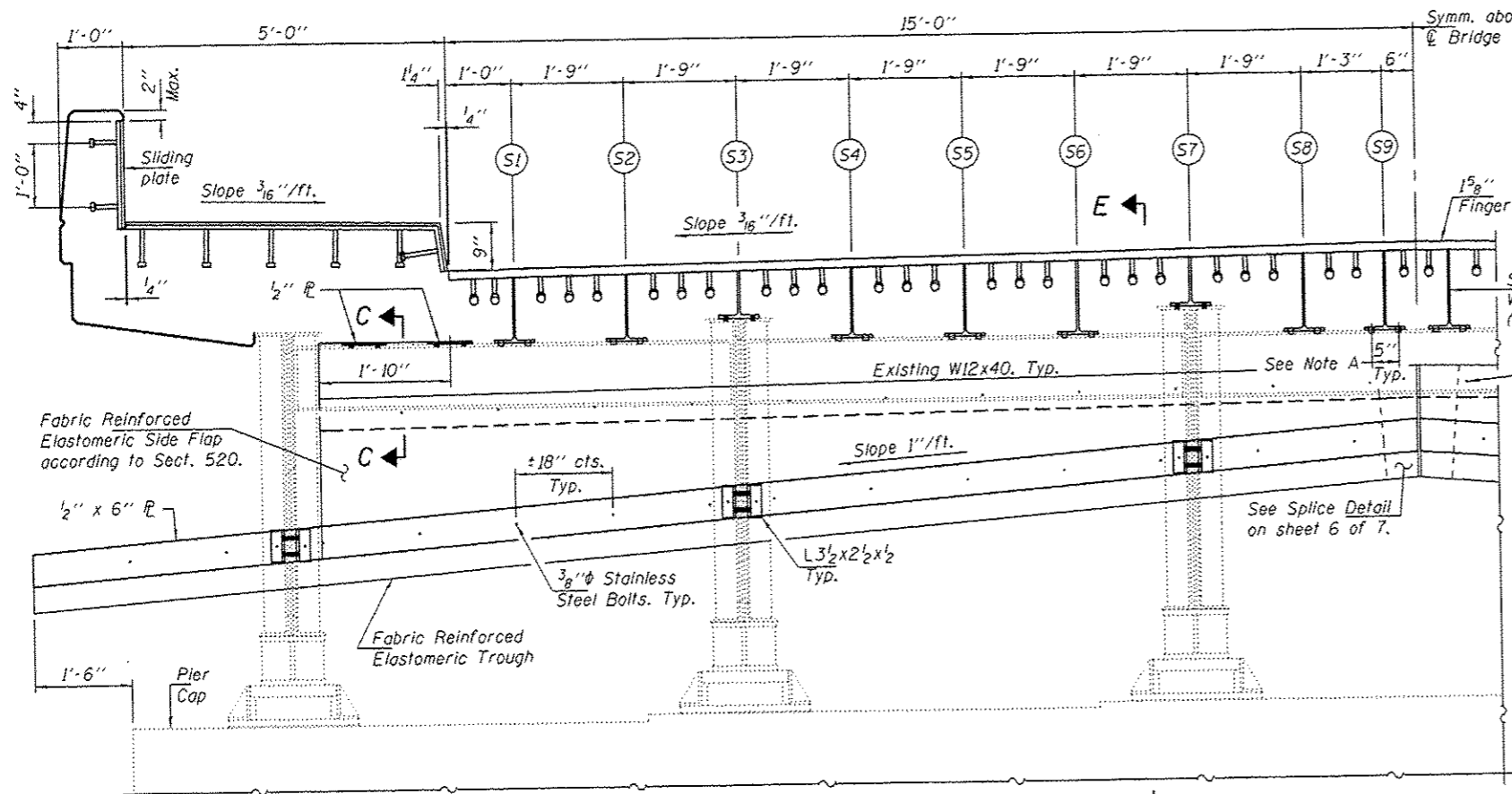


FINGER PLATE PLAN

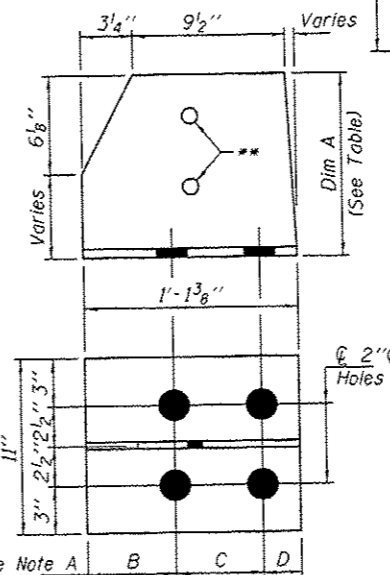
* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs. Automatically end welded.



FINGER PLATE ELEVATION

Cost of steel plates and embedded studs on top of the 5'-0" sidewalk and up the parapet are included with the Finger Plate Expansion Joint.

Note A:
Field drill holes in existing girders at Stool locations S3 & S7 using new Stools as template.
All existing holes on diaphragms, except at S9, shall be abandoned. Drill new holes using stools as template.



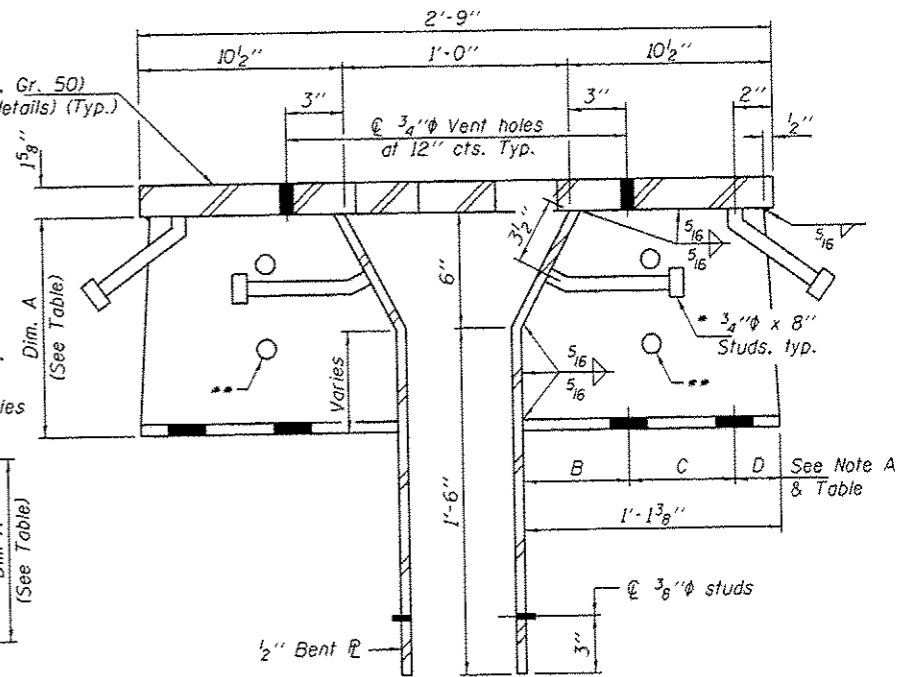
STOOL DETAILS

** Drill 1" holes in stools for transverse reinforcement.
*** Stools cut from W18x76. Typ. (See Stool Details)
1" Normal shim plus one 1/8" & one 1/16" shim for height adjustment.
*** Provide 1" Normal shim plus one 1/8" & one 1/16" shim for height adjustment at each stool.

TABLE OF DIMENSIONS

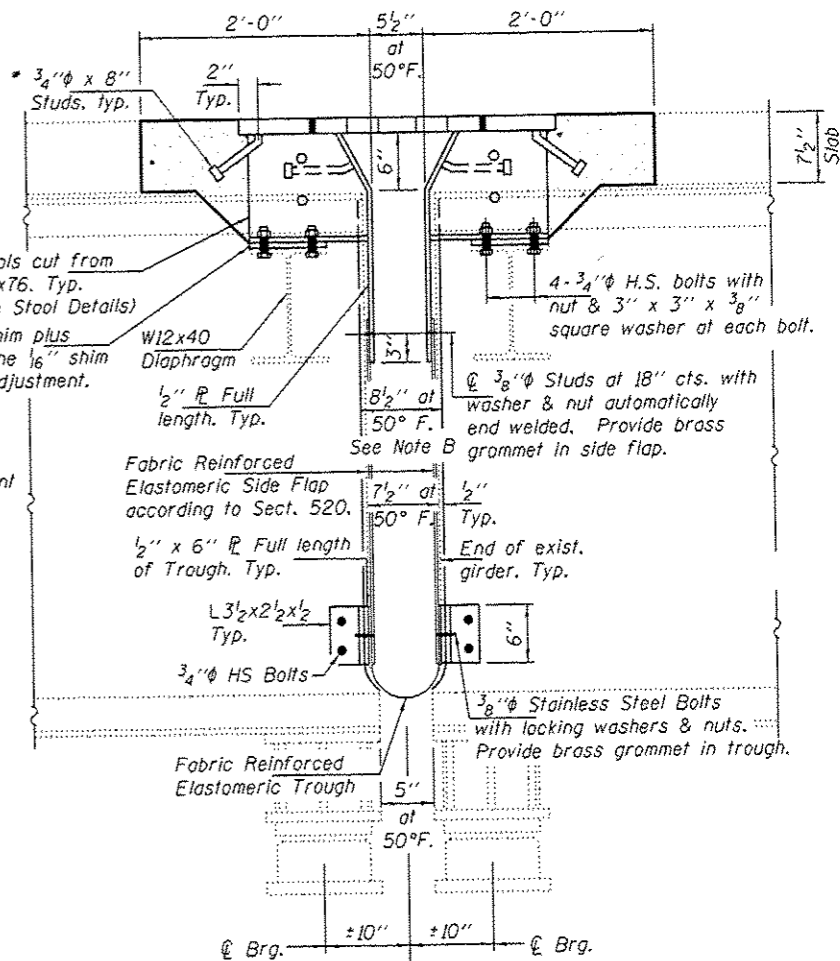
Stool No.	"A"	"B"	"C"	"D"
S1	11 5/8"	4 7/8"	5 1/2"	3"
S2	11 7/8"	4 7/8"	5 1/2"	3"
S3	8 3/8"	3 1/2"	7 7/8"	2"
S4	1'-0 5/8"	4 7/8"	5 1/2"	3"
S5	1'-0 7/8"	4 7/8"	5 1/2"	3"
S6	1'-1 1/4"	4 7/8"	5 1/2"	3"
S7	8 5/8"	3 1/2"	7 7/8"	2"
S8	1'-1 7/8"	4 7/8"	5 1/2"	3"
S9	1'-2 1/8"	4 7/8"	5 1/2"	3"

Note B:
Contractor shall field measure the dimension between girder ends. Cut end of girders to provide 8 1/2" at 50° F. Cost included with Finger Plate Expansion Joint.



STOOL DETAILS

Dimension "A" is measured at Bearing.



SECTION E-E

DESIGNED - SMR
CHECKED - TLC
DRAWN - Kyle M. Staffon
CHECKED - SMR TLC

EXAMINED
PASSED
ACTING ENGINEER OF STRUCTURAL SERVICES
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - APRIL 23, 2014

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FINGER PLATE JOINT DETAILS AT PIER 3
SN 098-0051

SHEET NO. 5 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5571	D2 BRIDGE REPAIR 2014-2	WHITESIDE	33	15

CONTRACT NO. 64J92
ILLINOISIFIED, AID PROJECT