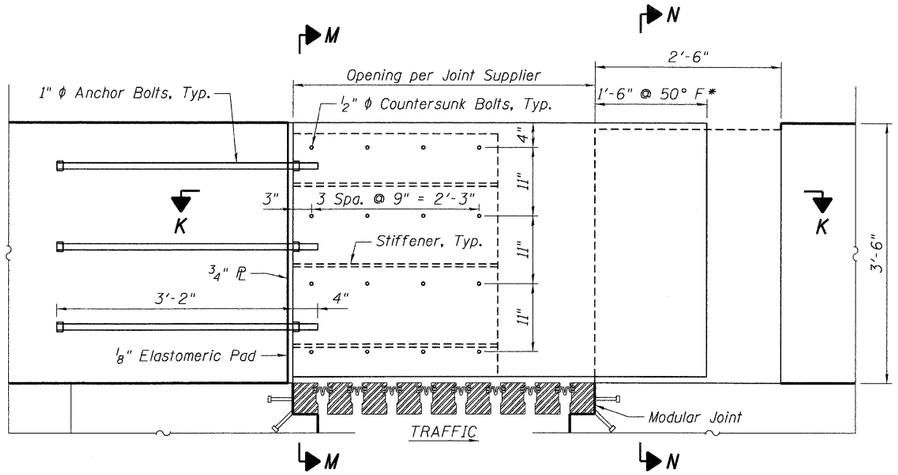
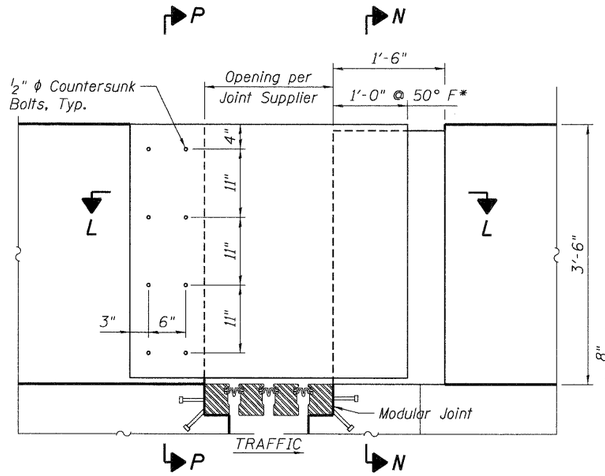
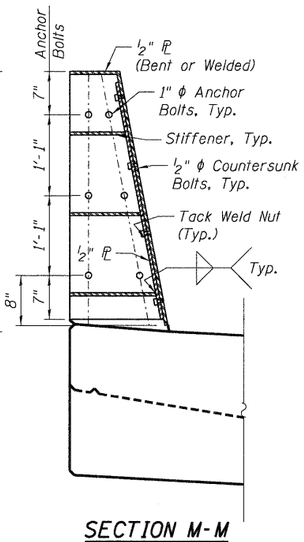


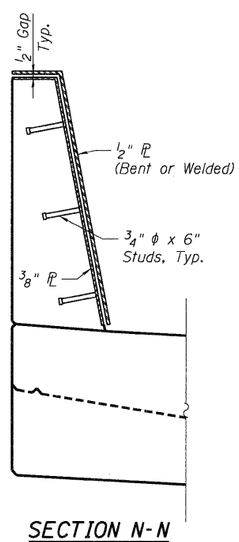
BARRIER PLATE ASSEMBLY DETAIL AT PIER 23



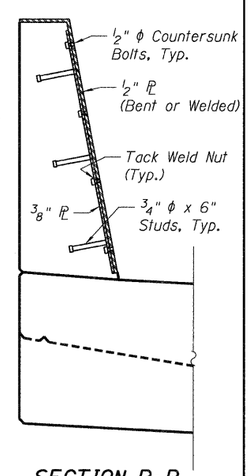
BARRIER PLATE ASSEMBLY DETAIL AT EAST ABUTMENT



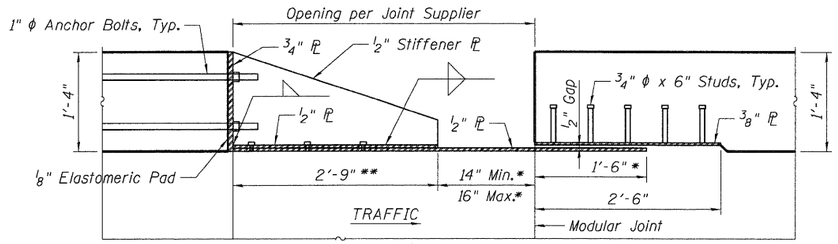
SECTION M-M
(Inside Parapets)



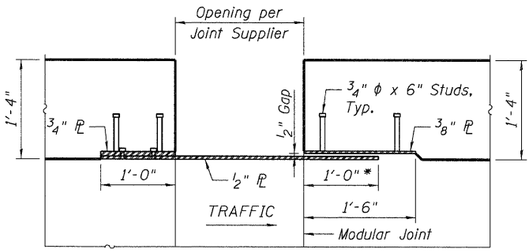
SECTION N-N
(Inside Parapets)



SECTION P-P
(Inside Parapets)

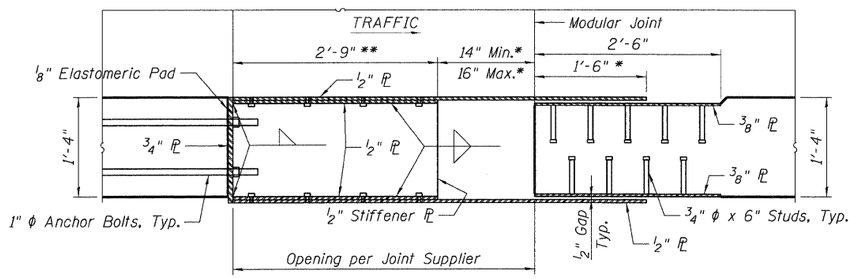


SECTION K-K
(Inside Parapets)

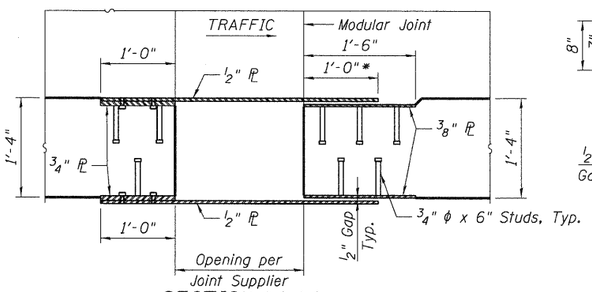


SECTION L-L
(Inside Parapets)

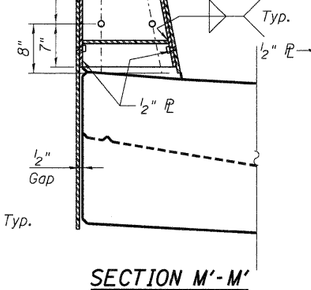
* Dimensions for T = 50° F
** Contractor to verify with Joint Supplier



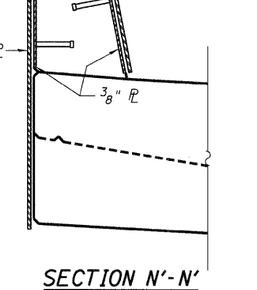
SECTION K'-K'
(Outside Parapets)



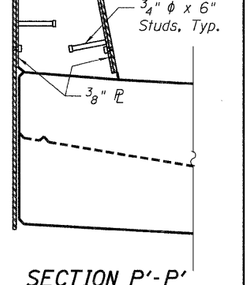
SECTION L'-L'
(Outside Parapets)



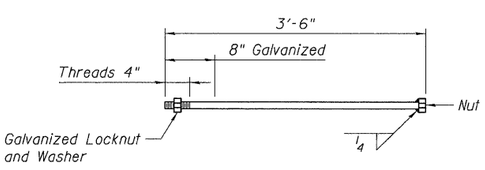
SECTION M'-M'
(Outside Parapets)



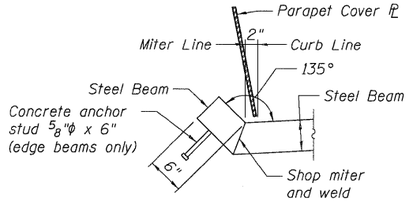
SECTION N'-N'
(Outside Parapets)



SECTION P'-P'
(Outside Parapets)



1" ϕ Anchor Bolt



DETAIL 4

NOTES:

1. Work this sheet with Sheets S-44 through S-46.
2. Opening at 50° F is dependent upon modular expansion joint selection. Contractor is responsible for coordinating any revisions required due to deviations from dimensions shown.
3. All structural steel of the barrier plate assemblies shall be AASHTO M270 Grade 50 and galvanized according to AASHTO M111.
4. Payment for furnishing and installing the barrier plate assemblies shall be included in cost of Modular Expansion Joints.
5. Plug end of nut to maintain void for bolt placement.
6. Countersunk bolts shall be in accordance with ASTM A307, Grade A.
7. Barrier plate assemblies shall be placed as shown for traffic direction, such that sliding plate is anchored on oncoming traffic side of joint.

FILE NAME = $FILEL$
USER NAME = $USER$ | DESIGNED - TCG | REVISED -
DRAWN - TCG | REVISED -
PLOT SCALE = $SCALE$ | CHECKED - TCU | REVISED -
PLOT DATE = $DATE$ | DATE - 06/04/10 | REVISED -
TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
I-70 CONNECTION OVER
NS, TRRA, MCT AND INDUSTRIAL DR.

MODULAR EXPANSION JOINT
4 OF 4

SCALE: | SHEET NO. S-47 OF S-111 | STA. 134+22.00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1HVB	ST. CLAIR	285	157
SN 082-0318 (EB) & 0319 (WB)		CONTRACT NO. 76C44		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

S:\082\318-CONN-85-003-SLUDGN, ..\0823\8-CONN-99-001-SDJDGN
S:\83-2004, 16-4586 RDMENU3 \\CPS-2004\CAN\HALTS-TRANS_07\2262\2686B-001\STRUCT\CAD\01 DESIGN\0823\8\SHEET\0823\8-CONN-85-124-SHT-SUJDGN