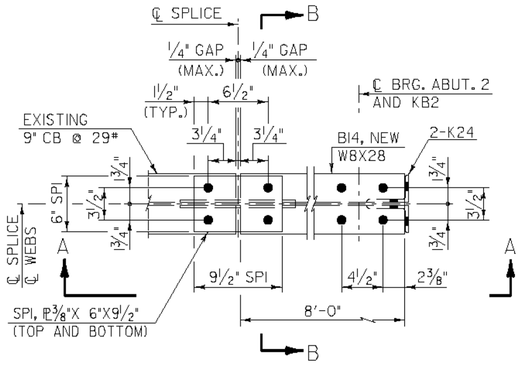
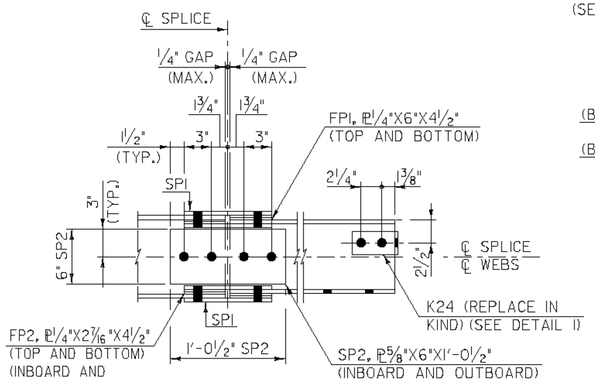


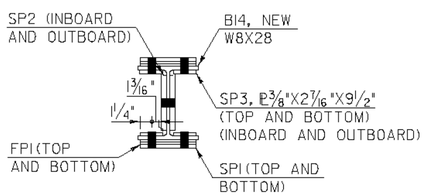
SIDEWALK STRINGER B14 SPLICE PLAN

SCALE: 1 1/2" = 1'-0"



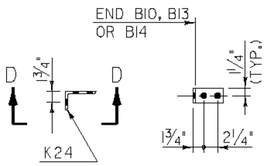
SECTION A-A

SCALE: 1 1/2" = 1'-0"



SECTION B-B

SCALE: 1 1/2" = 1'-0"

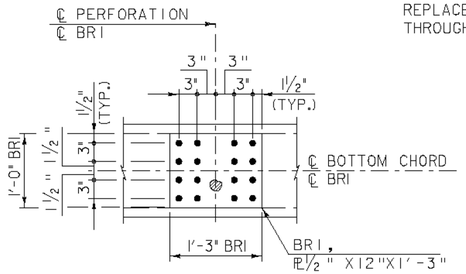


PLAN

SECTION D-D

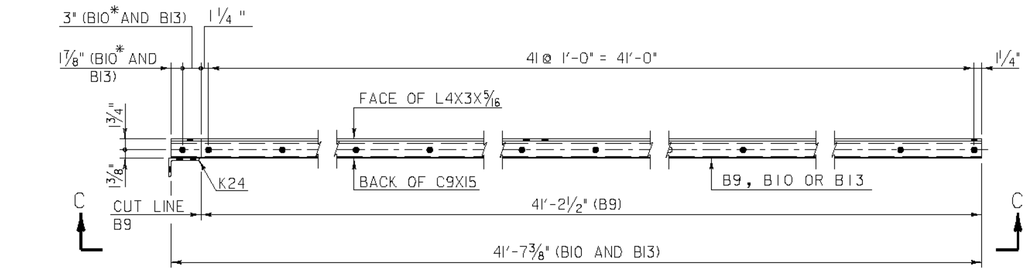
DETAIL 1

SCALE: 1" = 1'-0"



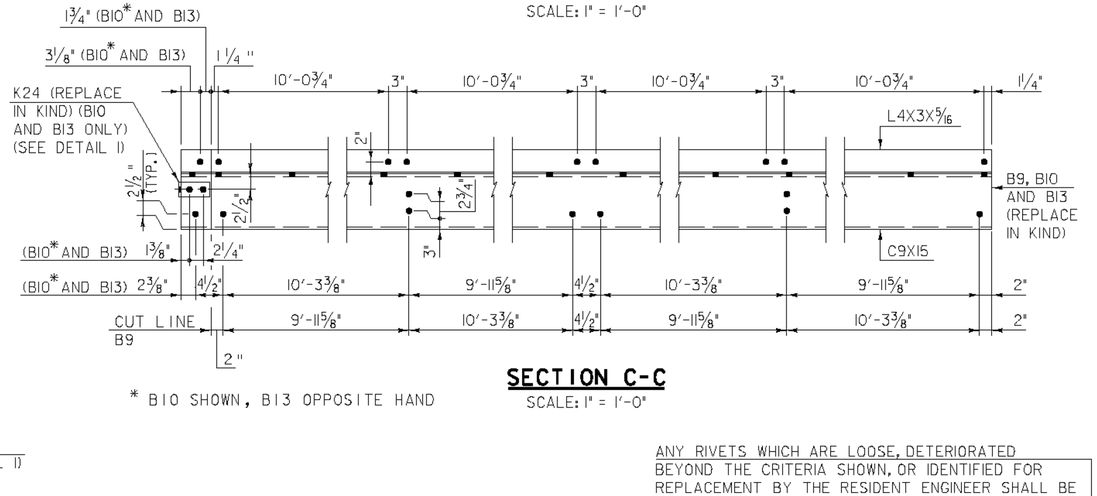
DETAIL 2

SCALE: 1" = 1'-0"



SIDEWALK STRINGER B9, B10 AND B13 PLAN

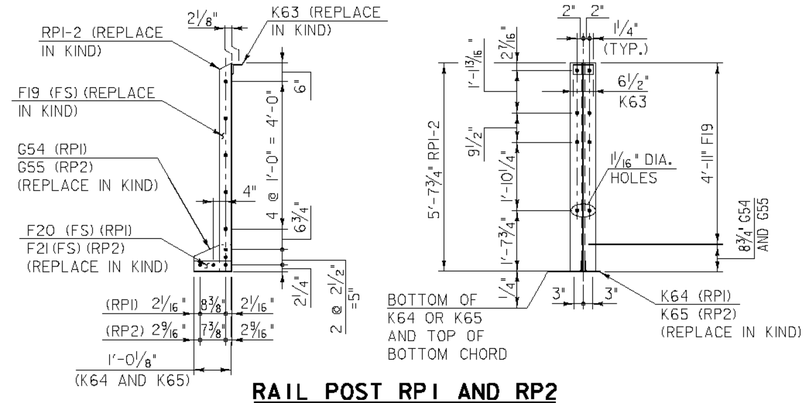
SCALE: 1" = 1'-0"



* B10 SHOWN, B13 OPPOSITE HAND

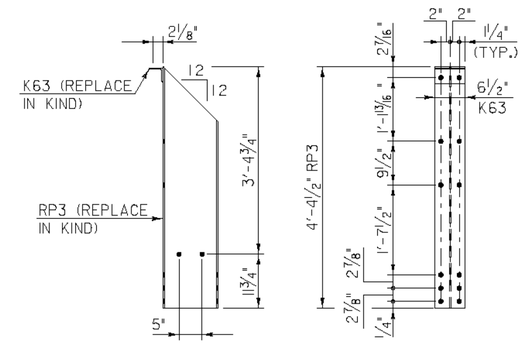
SECTION C-C

SCALE: 1" = 1'-0"



RAIL POST RP1 AND RP2

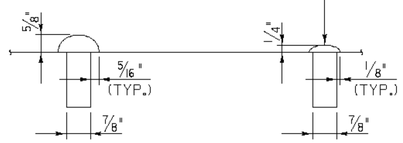
SCALE: 1/2" = 1'-0"



RAIL POST RP3

SCALE: 3/4" = 1'-0"

ANY RIVETS WHICH ARE LOOSE, DETERIORATED BEYOND THE CRITERIA SHOWN, OR IDENTIFIED FOR REPLACEMENT BY THE RESIDENT ENGINEER SHALL BE REPLACED UNDER ITEM 900.620 (SPECIAL PROVISION THROUGH TRUSS RIVET REPLACEMENT)



NEW 7/8" RIVET

MINIMUM REMAINING RIVET HEAD

RIVET REPLACEMENT CRITERIA

N.T.S.

ADDITIONAL REPAIR REQUIREMENTS (EAST TRUSS):

SIDEWALK STRINGER - MEMBER B9: REPLACE BUILT UP STRINGER 2-C9X15 AND 2-L4X3X5/16 ANGLE (FULL LENGTH)

SIDEWALK STRINGER - MEMBER B10: REPLACE BUILT UP STRINGER 1-C9X15 AND 1-L4X3X5/16 ANGLE (FULL LENGTH)
MEMBER K24: REPLACE 1-L5X3X3/8 CLIP ANGLE

SIDEWALK STRINGER - MEMBER B13: REPLACE BUILT UP STRINGER 1-C9X15 AND 1-L4X3X5/16 ANGLE (FULL LENGTH)
MEMBER K24: REPLACE 1-L5X3X3/8 CLIP ANGLE

SIDEWALK STRINGER - MEMBER B14: REPLACE 8'-0" OF EXISTING CB9X29 WITH PROPOSED W8X28
MEMBER SP1: INSTALL NEW SPLICE PLATE 2-PL 3/8"X6"X9 1/2"
MEMBER SP2: INSTALL NEW SPLICE PLATE 2-PL 5/8"X6"X1'-0 1/2"
MEMBER SP3: INSTALL NEW SPICE PLATE 4-PL 3/8"X2 7/16"X9 1/2"
MEMBER FP1: INSTALL NEW FILL PLATE 4-PL 1/4"X6"X4 1/2"
MEMBER FP2: INSTALL NEW FILL PLATE 8-PL 1/4"X2 7/16"X4 1/2"
MEMBER K24: REPLACE 2-L5X3X3/8 CLIP ANGLES (FULL LENGTH)

RAIL POST - MEMBER RP3: REPLACE END BRIDGE RAIL POSTS
MEMBER RP3: 2-W12X30 (FULL LENGTH)
MEMBER K63: 2-L3 1/2 X3 1/2 X5/16 (FULL LENGTH)

ADDITIONAL REPAIR REQUIREMENTS (WEST TRUSS):

RAIL POST - MEMBER RP1: REPLACE BUILT UP BRIDGE RAIL POSTS
MEMBER RP1-2: 4-L4X4X5/16 (FULL LENGTH)
MEMBER F19: 2-PL 5/16"X4"X4'-11"
MEMBER G54: 2-PL 5/16"X8 3/4"X1'-0 1/2"
MEMBER K63: 2-L3 1/2 X3 1/2 X5/16 (FULL LENGTH)
MEMBER K64: 4-L5X3 1/2 X5/16 (FULL LENGTH)
MEMBER F20: 4-PL 5/16"X3 1/2"X8 3/4"

RAIL POST - MEMBER RP2: REPLACE BUILT UP BRIDGE RAIL POSTS
MEMBER RP1-2: 4-L4X4X5/16 (FULL LENGTH)
MEMBER F19: 2-PL 5/16"X4"X4'-11"
MEMBER G55: 2-PL 5/16"X8 3/4"X1'-0 1/2"
MEMBER K63: 2-L3 1/2 X3 1/2 X5/16 (FULL LENGTH)
MEMBER K65: 4-L5X3 1/2 X5/16 (FULL LENGTH)
MEMBER F21: 4-PL 5/16"X3 1/2"X8 3/4"

RAIL POST - MEMBER RP3: REPLACE END BRIDGE RAIL POSTS
MEMBER RP3: 2-W12X30 (FULL LENGTH)
MEMBER K63: 2-L3 1/2 X3 1/2 X5/16 (FULL LENGTH)

BOLTED REPAIR - REPAIR BOTTOM CHORD MEMBER BETWEEN (L6) AND (L7)
MEMBER BR1: 1-PL 1/2" X12"X1'-3"

SCALE 3/4" = 1'-0"
0 2

SCALE 1 1/2" = 1'-0"
9 6 3 0

SCALE 1/2" = 1'-0"
0 2

SCALE 1" = 1'-0"
9 6 3 0 2

CLOUGH HARBOUR & ASSOCIATES LLP

STRUCTURAL STEEL DETAILS (4)

PROJECT NAME: MONTPELIER
PROJECT NUMBER: BHF 6400(31)

FILE NAME: $FILES$
PROJECT MANAGER: SUSAN SCRIBNER
DESIGNED BY: D. D'AMATO
BRIDGE DESIGN SUPERVISOR: P. HALSTEAD
PLOT DATE: 7/8/2010
DRAWN BY: D. D'AMATO
CHECKED BY: P. PERKINS
SHEET 31B OF 63

FILE NAME =K:\14506\Mas\plans\sn14506_additional_steel_2.dgn
DATE/TIME = 7/8/2010
USER = 2562