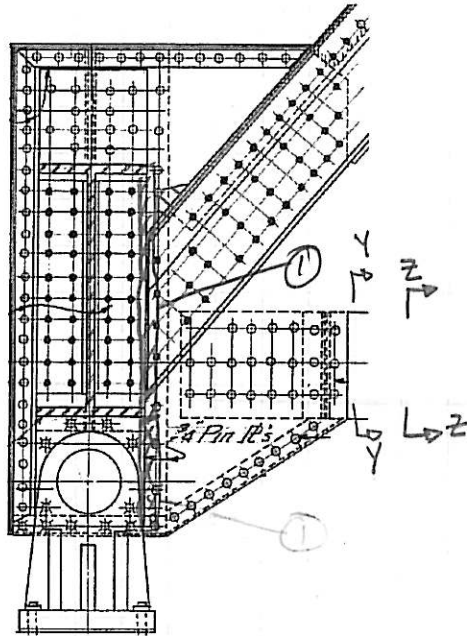


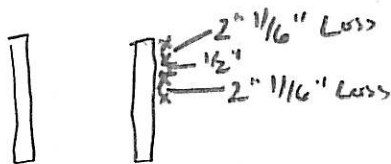
PROJECT NO. P410070010  
 DATE 10/7/08  
 CREW BSC

BRIDGE NO. HAM-50-3.76  
 SHEET

FLUSH BOTH GUS



L0

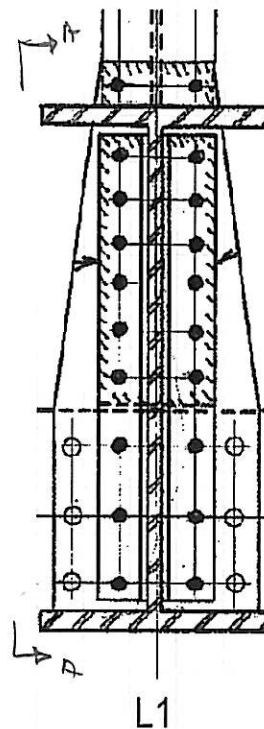
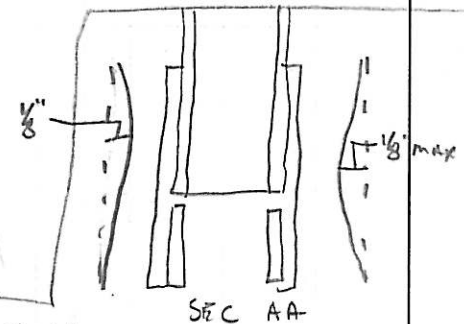


SEC X-X  
 L1-L2  
 N. TRUSS  
 SPAN 1

Span: 1 2 3 4  
 North Truss South Truss

- ① 1"Wx36" T 1/16" PITTING, S.GUS PL
- ② 1"Wx24" T 1/8" PITTING S.GUS PL
- ③ 5"Wx6" T 1/16" PITTING S.GUS PL

N. GUS. NO PITTING NOTED



NO LOSSES NOTED

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

PROJECT NO. P410070010

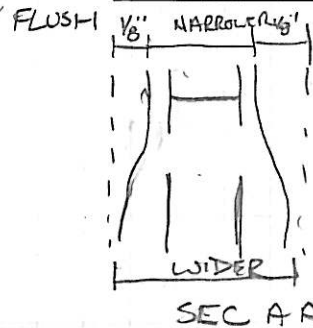
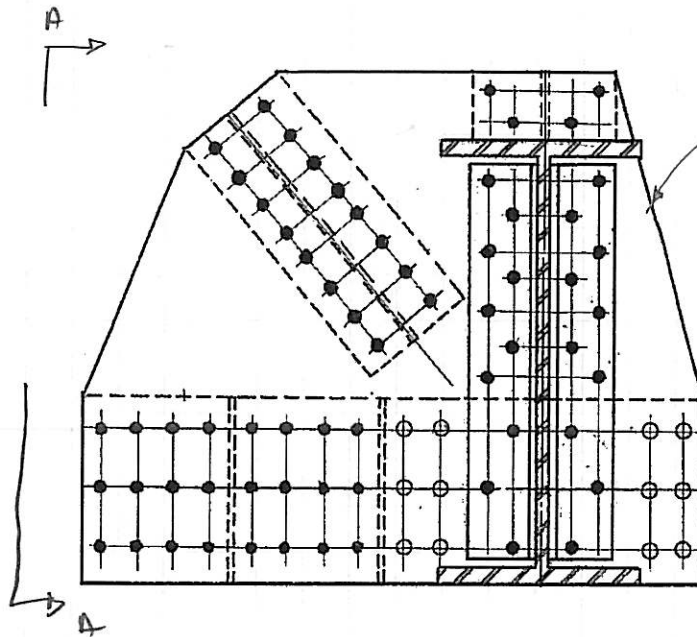
BRIDGE NO. HAM-50-3.76

DATE 10/7/08

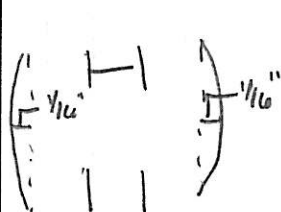
SHEET

CREW BKC

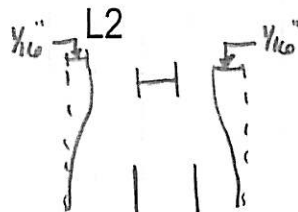
Span: 1 2 3 4  
 North Truss South Truss



NO LOSSES ON GUS NOTED

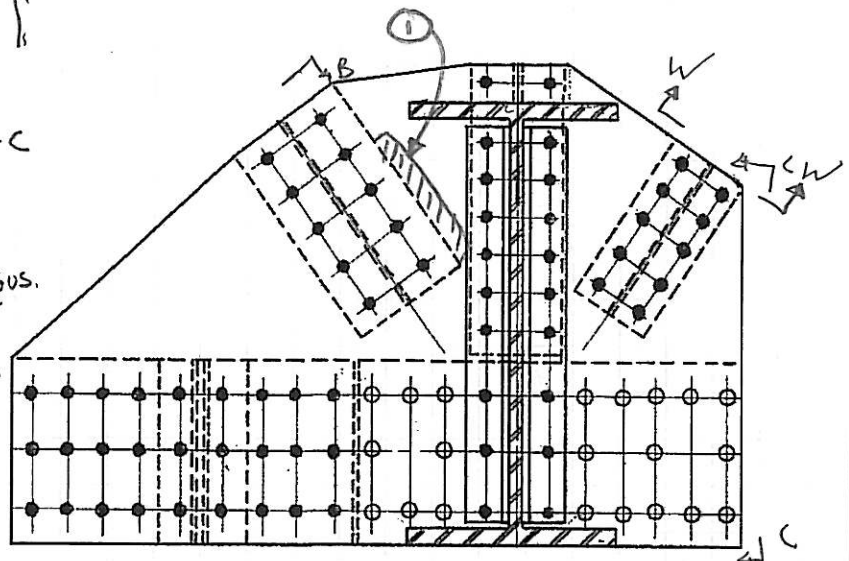


SEC B-B



SEC C-C

① N. GUS 1/16" PTING 1" x 12" N. GUS.



L3

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

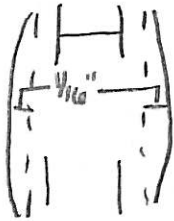
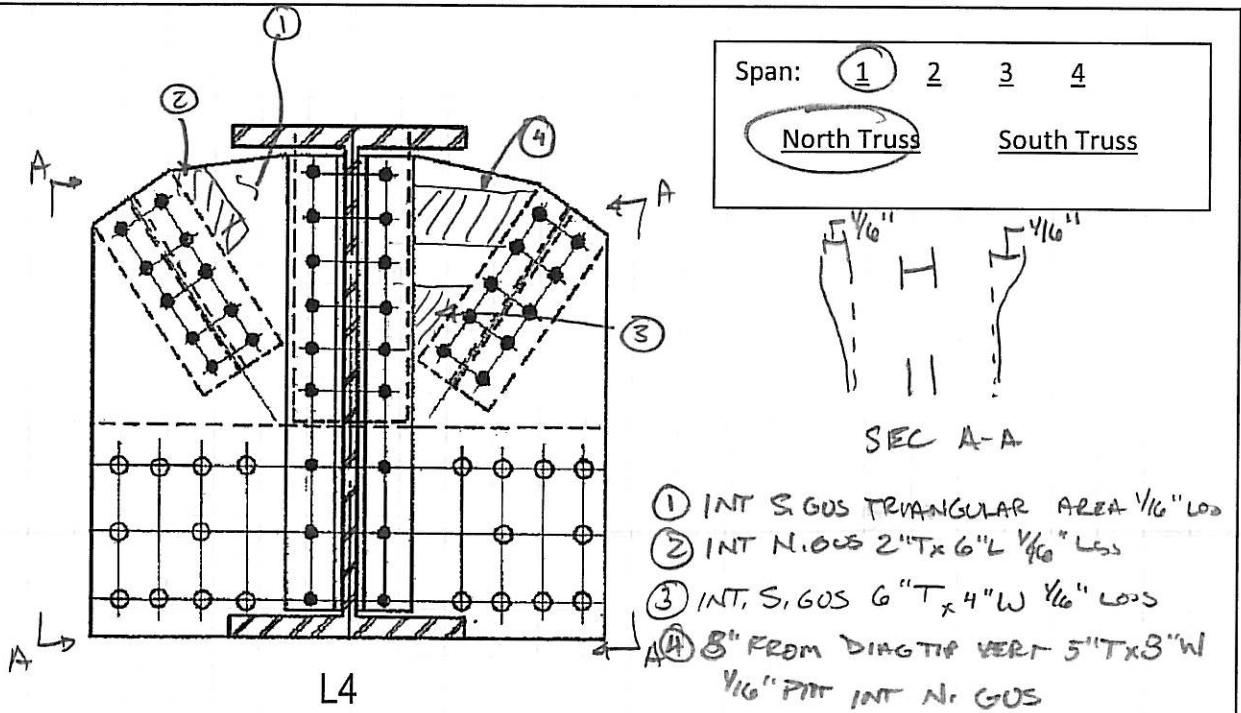
PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 8/10/08

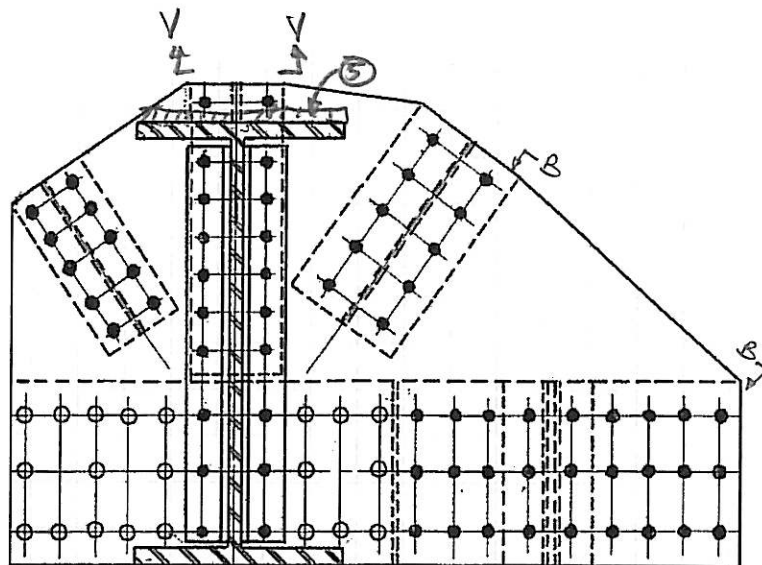
SHEET

CREW BSC



SEC B-B

⑤  $\frac{1}{16}$ " LOSS F.L. OF FB IE 1" T



L5

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

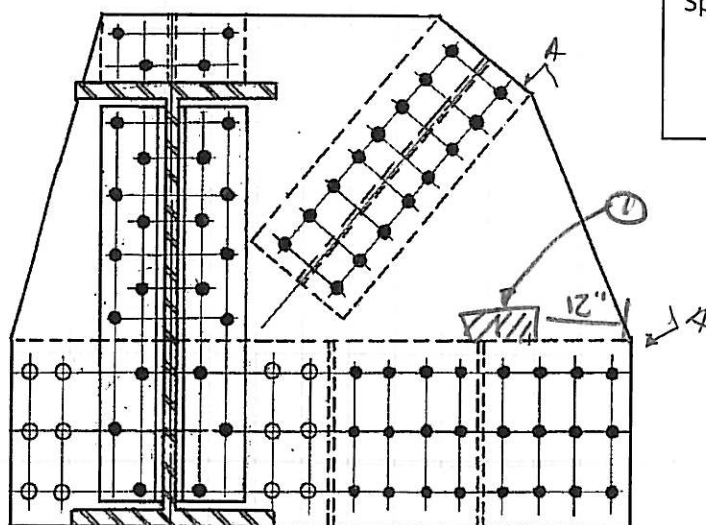
PROJECT NO P410070010

BRIDGE NO HAM-50-3.76

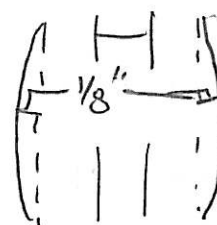
DATE 10/7/08

SHEET

CREW BKC



Span: 1 2 3 4  
 North Truss South Truss



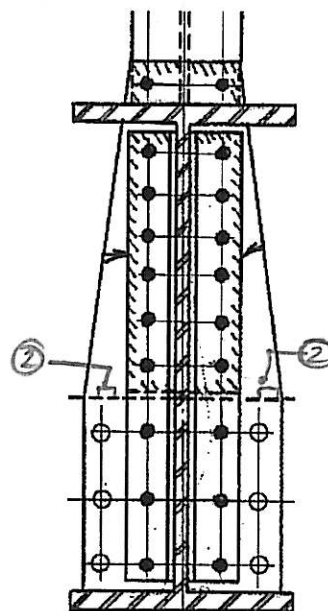
SEC A-A

L6

① INT N. GUS 2" T x 8" L 1/4" PIT

NO LOSSES / NO BENDS

② TACK WELDS 2" L BRN GUS R & BOT CHORD &  
 N. GUS & S. GUS

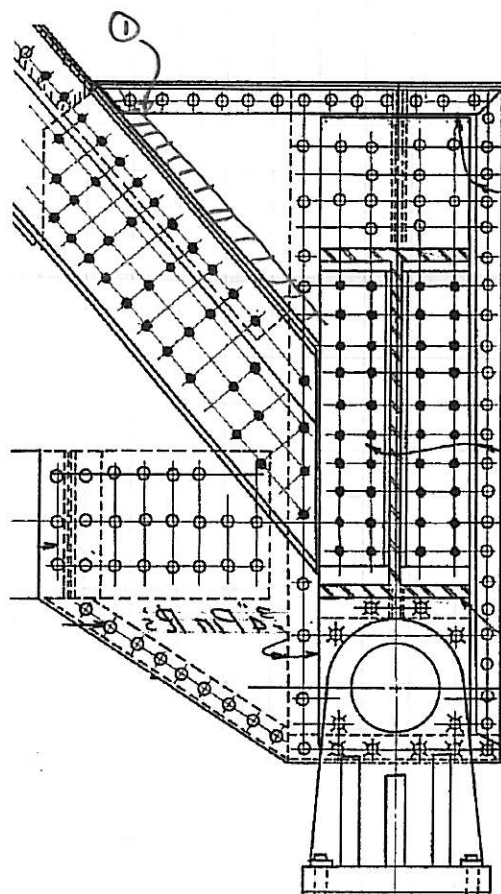


L7

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

① 1" T x F.L. DIAGONAL 1/16" LOSS EXT. S. PL

Span: ① 2 3 4  
North Truss South Truss



PL'S ARE FLUSH

NO LOSSES N. GUS PL

L8

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION ① | DATE | CREW | REVISION ② | DATE | CREW |
| REVISION ③ | DATE | CREW | REVISION ④ | DATE | CREW |

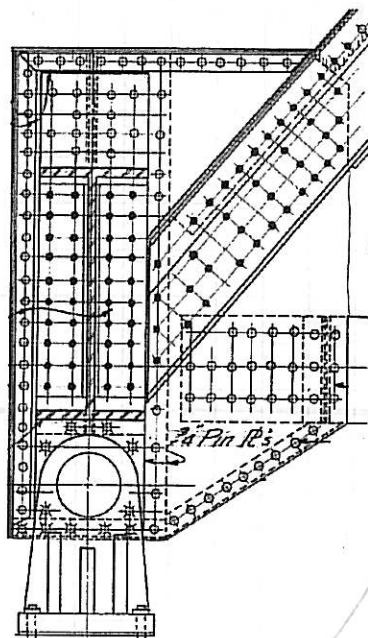
PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE

SHEET

CREW PES KMW

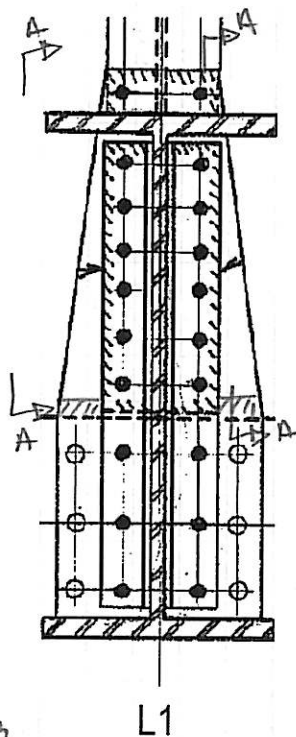
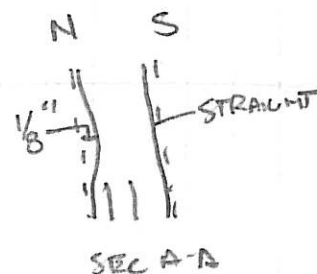


L0

PES KMW

① 1/16" PITTING 1" T x 3" L

Span: 1 2 3 4  
North Truss      South Truss



L1

BXL 10/9/03

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |

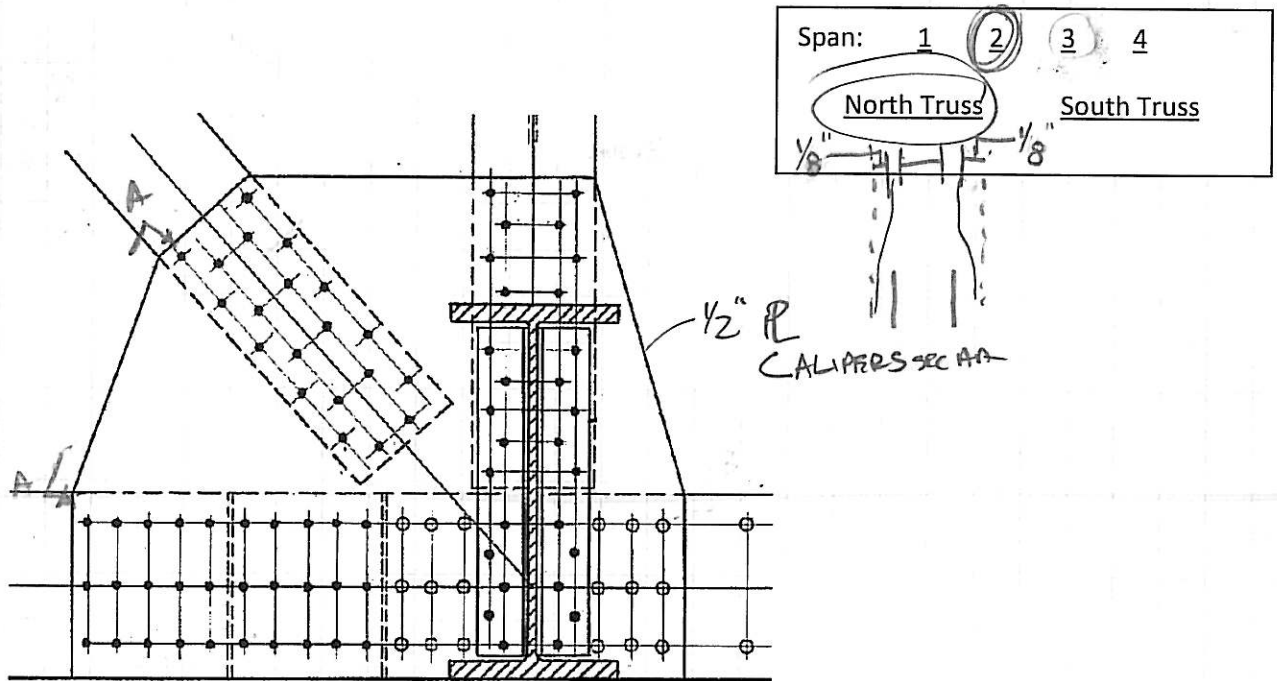
PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

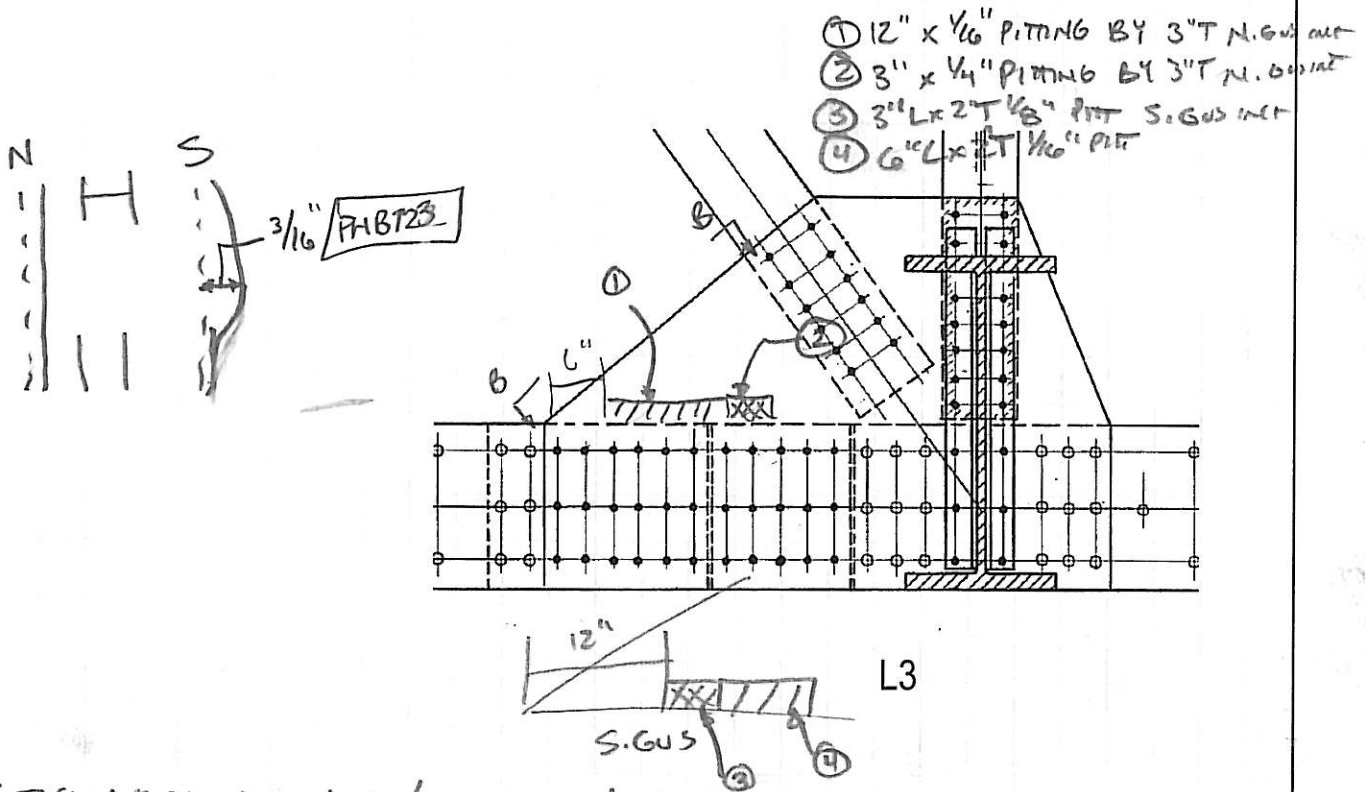
DATE 10/9/08

SHEET

CREW BSC



L2



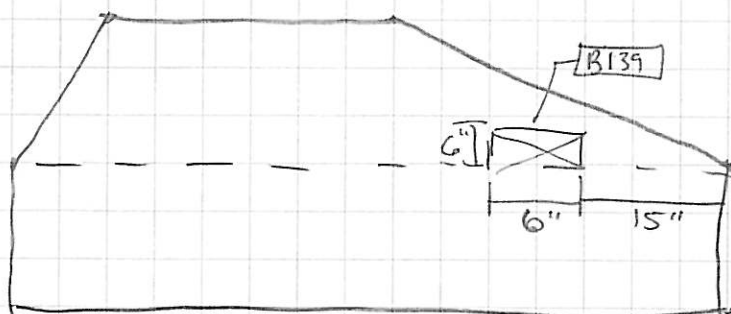
TYP. JACK WELDS BTRN L.C. / DIA LONG. & TRANS

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

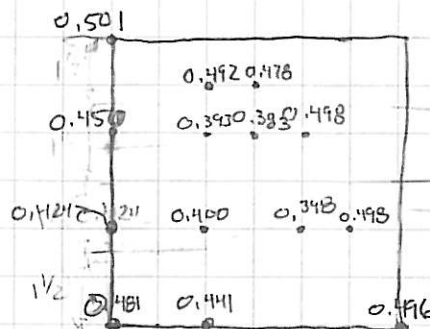


PROJECT NO 41007000  
 DATE 10/10/08  
 CREW BEC

BRIDGE NO HAHS0326  
 SHEET \_\_\_\_\_



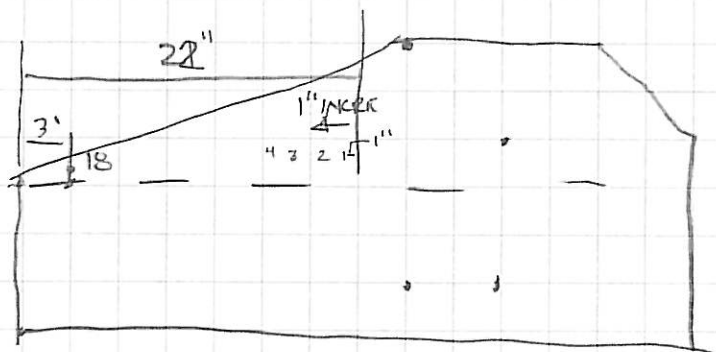
1/2" GUS PL L7 N-TRUSS, N. GUS



G210 = 1" x 1"

PHB138

1/2" GUS PL



- 1 0.473" 15 0.454"
- 2 0.446" 16 0.432"
- 3 0.496" 17 0.479"
- 4 0.369" 18 0.500"
- 5 0.215"
- 6 0.205"
- 7 0.203"
- 8 0.254"
- 9 0.224"
- 10 0.482"
- 11 0.473"
- 12 0.472"
- 13 0.439"
- 14 0.425"

INT PHB140  
 EXT PHB141

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |



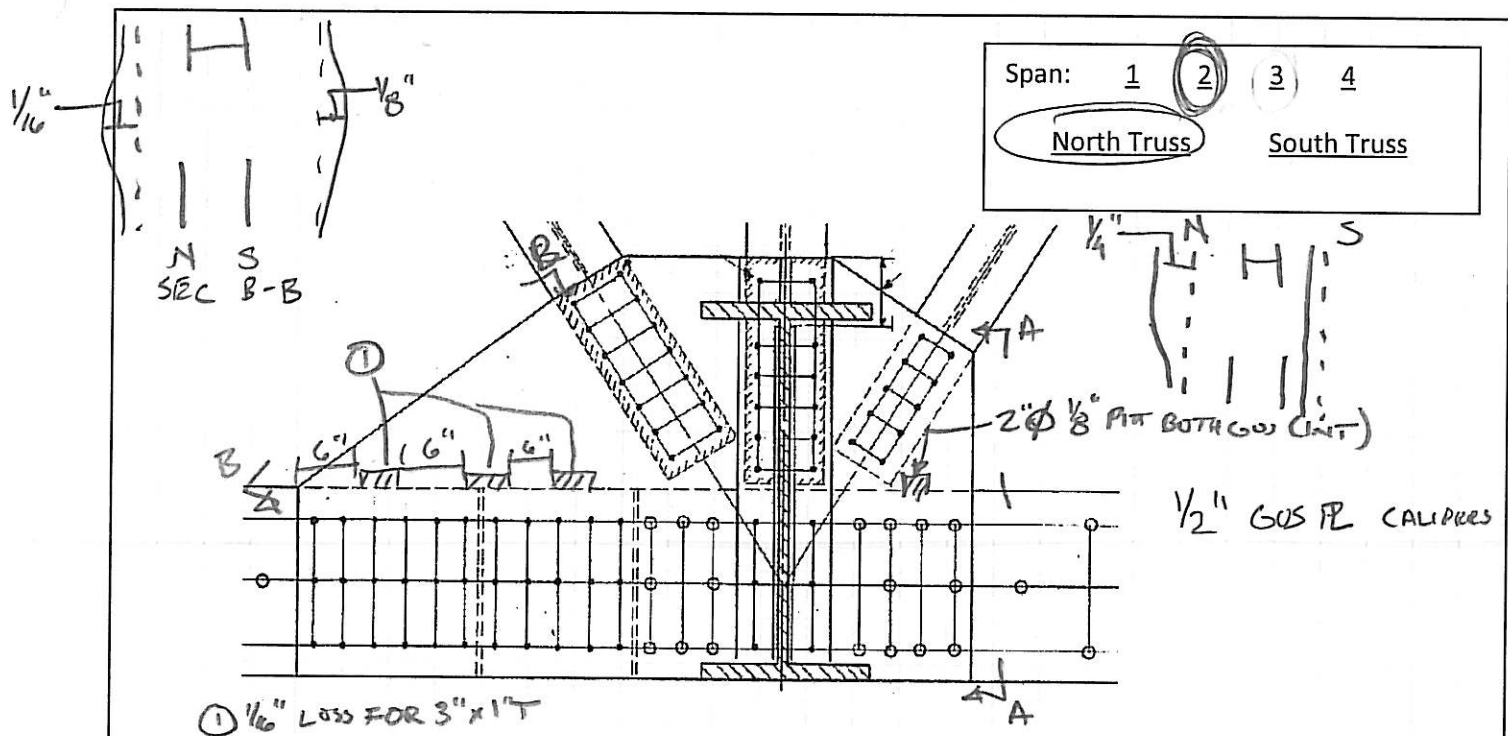
PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10/14/03

SHEET

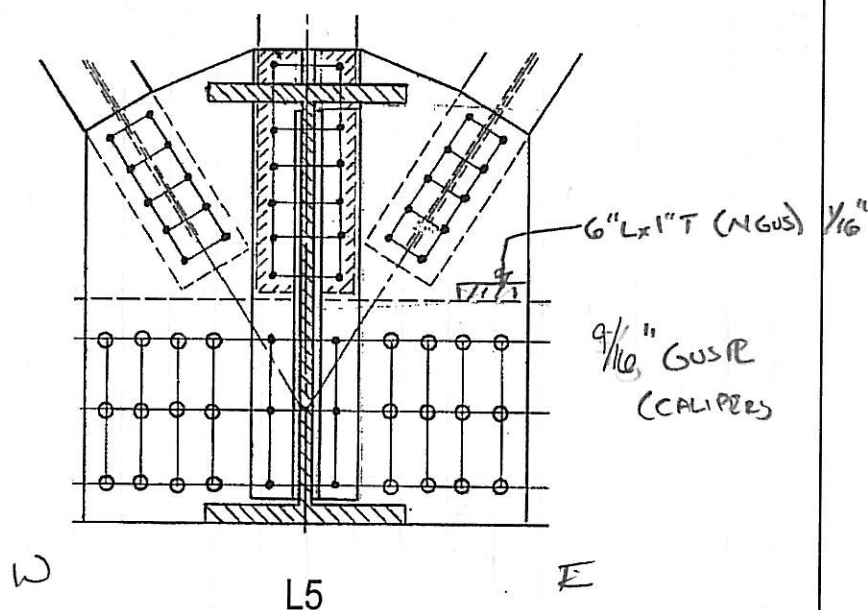
CREW BKC, LRL



L4

GUARD RAIL 1' x 6" AREA OF HOV RUST (100% L<sub>2</sub>)

18124



### Calculations for 1/4 US Grid

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <b>1</b> | DATE | CREW | REVISION <b>2</b> | DATE | CREW |
| REVISION <b>3</b> | DATE | CREW | REVISION <b>4</b> | DATE | CREW |

PROJECT NO P410070010

BRIDGE NO HAM-50-3.76

DATE 6/9/08

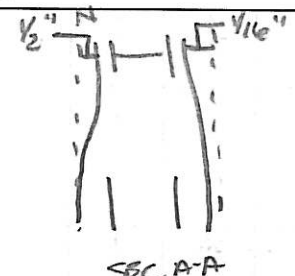
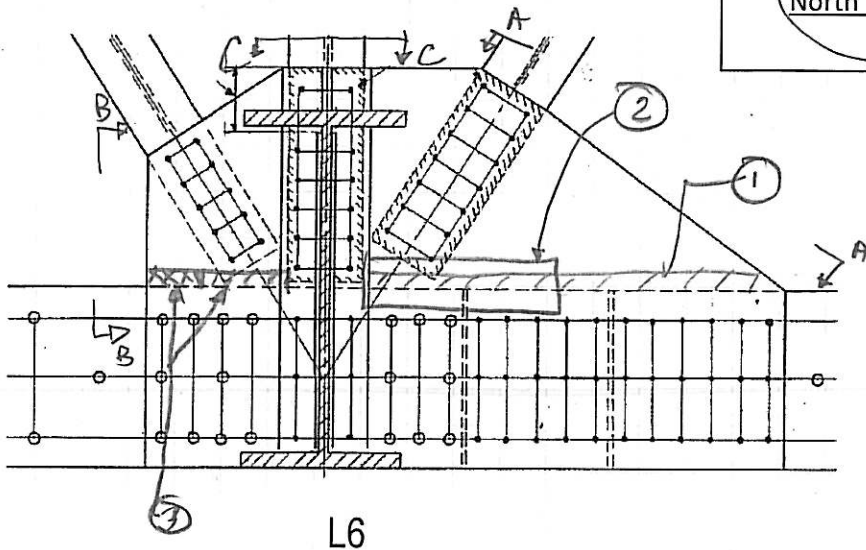
SHEET

CREW BKC, WRW

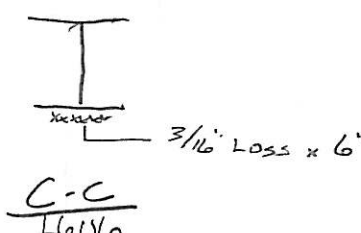


- ① F.L. 2"x1" T x 1/8" PATT N.GUS
- ② 24"x1" T x 1/8" PATT S.GUS
- ③ 6"x1/8" THEN 8"x1/16" ALL 1" T.N.G.S.GUS

Span: 1 2 3 4  
 North Truss South Truss

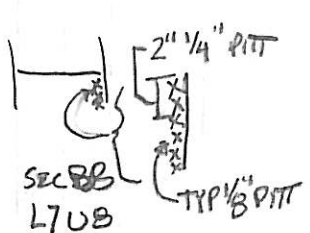
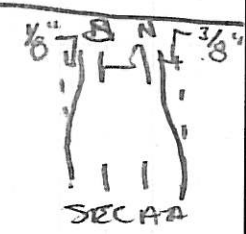
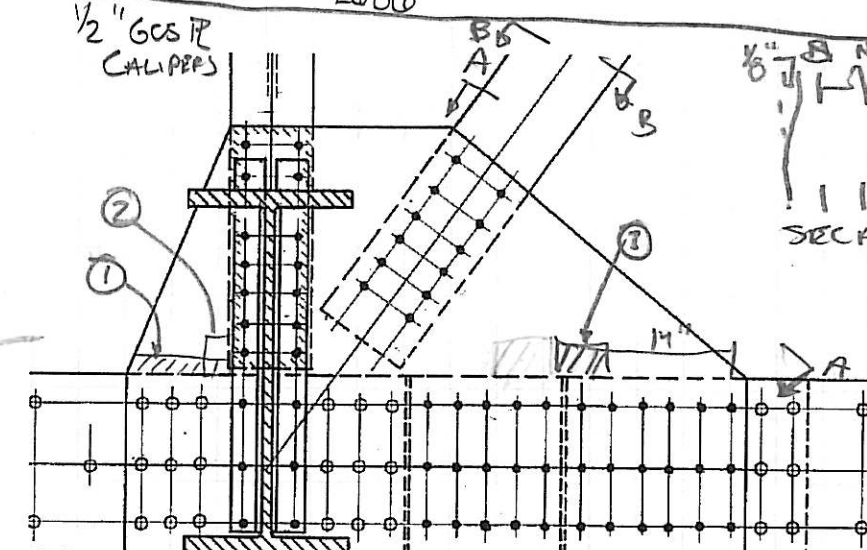


GUS PL  
 1/2" THICKNESS  
 CALIPERS



- ① 1" T x F.L. 1/16" PATTING N.GUS
- ② 2" T x 2" W 1/16" PATT S.GUS
- ③ 6" L x 4" T 3/16" LOSS N.GUS

1/2" GUS PL  
 CALIPERS



D-METERED ③ SEE SHEET

L7

Calculations for 1/4 US Grid

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

PROJECT NO. P410070010

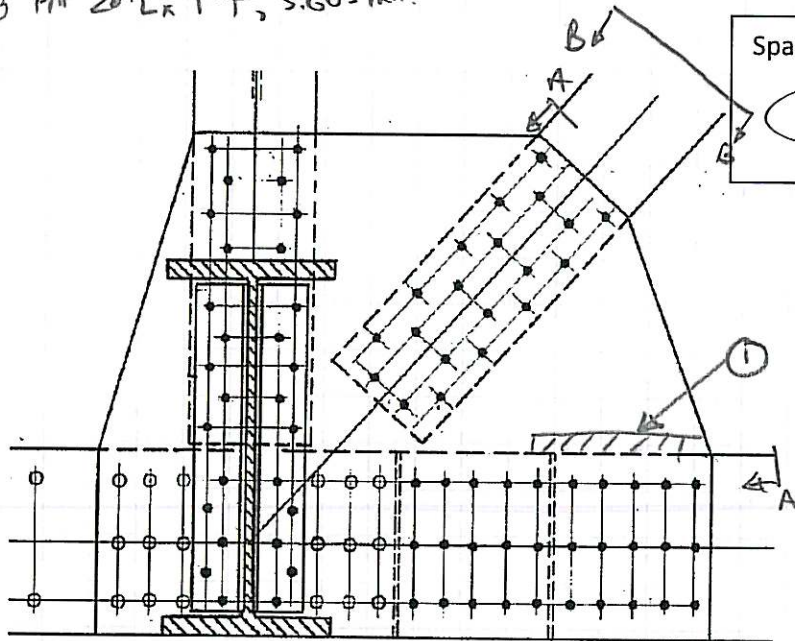
BRIDGE NO. HAM-50-3.76

DATE 10/11/08

SHEET

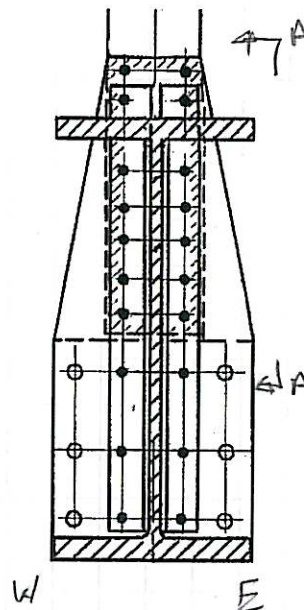
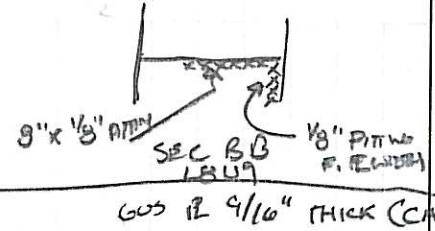
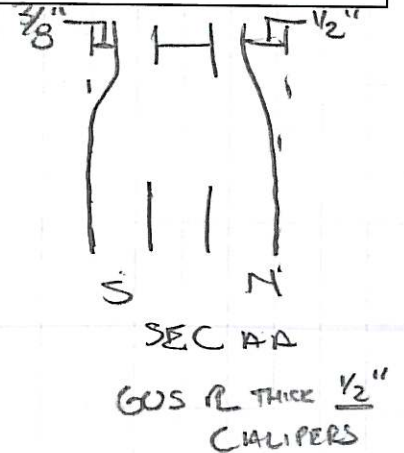
CREW RAC

① 1/8" PT 20" LK 1" T, S.GUS INT.

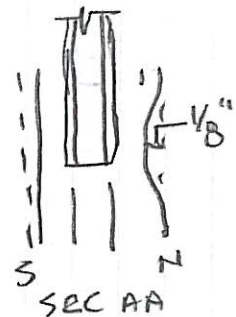


L8

Span: 1 2 3 4  
North Truss South Truss



L9



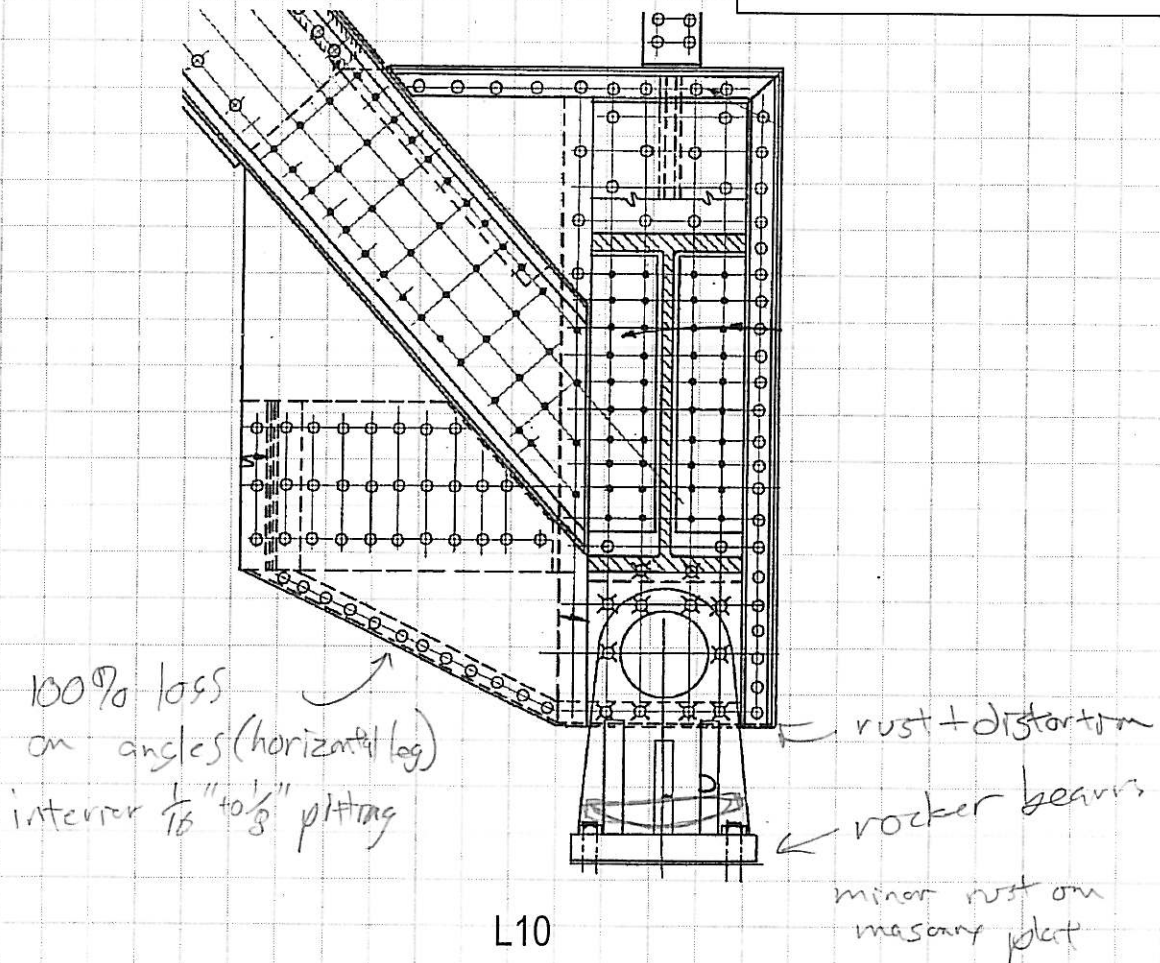
Calculations for 1/4 US Grid

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

PROJECT NO. P410070010  
 DATE 10-8-08  
 CREW KMW/PEJ

BRIDGE NO. HAM-50-3.76  
 SHEET

Span: 1 2 3 4  
North Truss South Truss



L10

Calculations for 1/4 US Grid

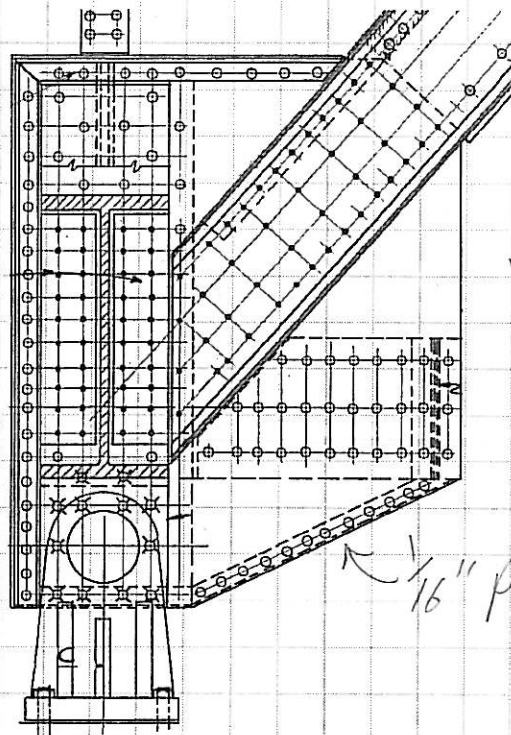
|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |



PROJECT NO. P410070010  
 DATE \_\_\_\_\_  
 CREW \_\_\_\_\_

BRIDGE NO. HAM-50-3.76  
 SHEET \_\_\_\_\_

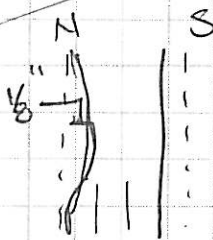
Span: 1 2 3 4  
North Truss South Truss



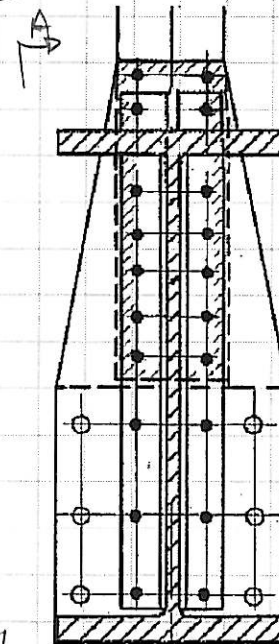
1/16" plating evident on inside

L0

PES/KMW



BEC 10/9/08



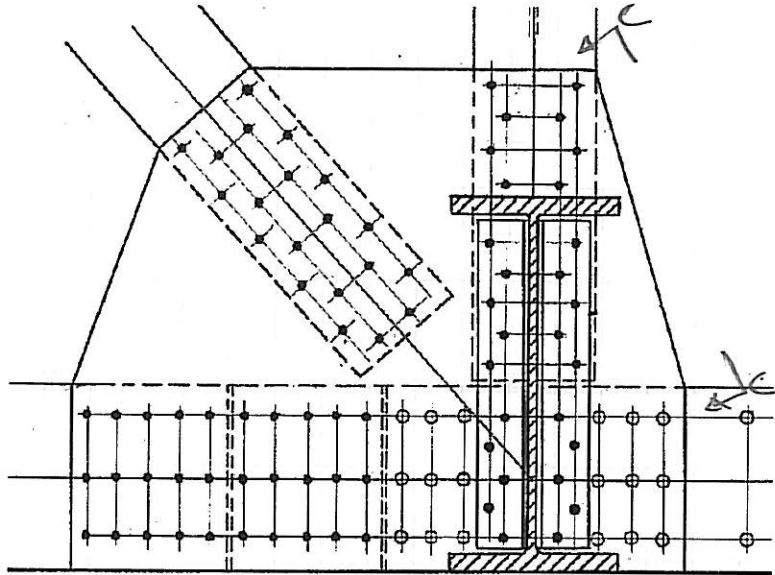
L0A  
 E L1 W

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |

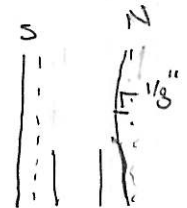
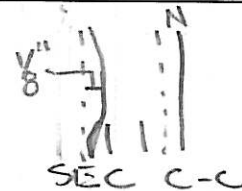
Span: 1 2 3 4

North Truss

South Truss

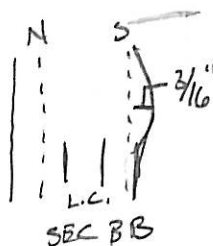


L2

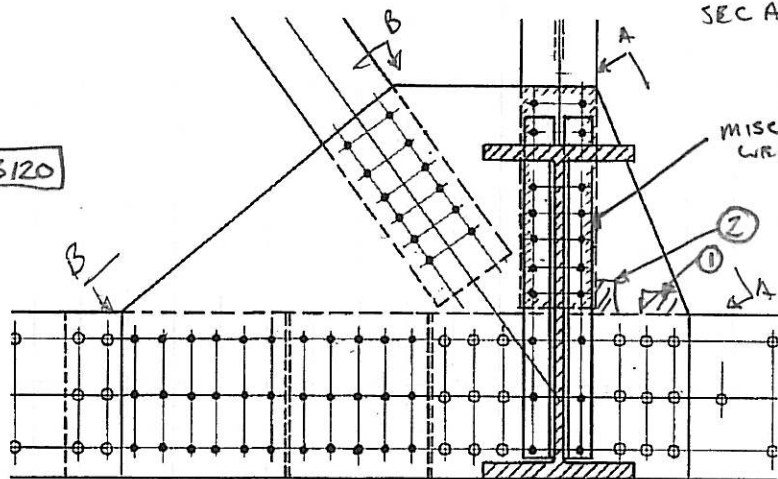


SEC A-A

- ① 5" Lx3" T 1/16" PIT INT. N. GUS
- ② 4" T x 2" W 1/16" PIT INT. N. GUS
- ③ 1/4" L.R. BLWN L.C. & STR PL PHB120



SEC B-B



NO LOSSES

L3

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |

PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10/9/08

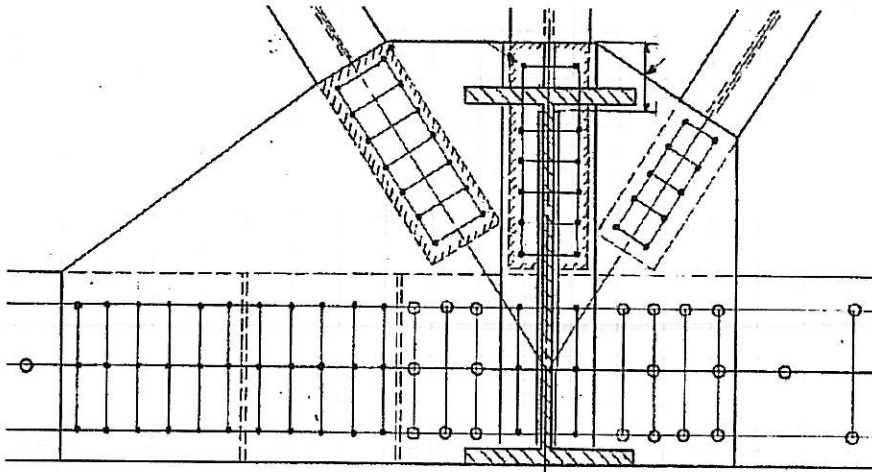
SHEET

CREW BRC

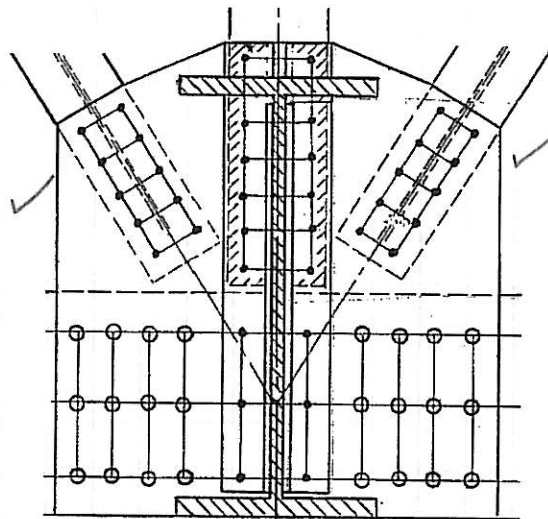
Span: 1 2 3 4

North Truss

South Truss



L4 ✓ NO LOSSES / BENDS NOTED



L5

N. TRUSS TYP. LONG ~1" WELDS ALONG TOP OF DIA. & TO L.C. PHB118

Calculations for 1/4 US Grid

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |



PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10/7/08

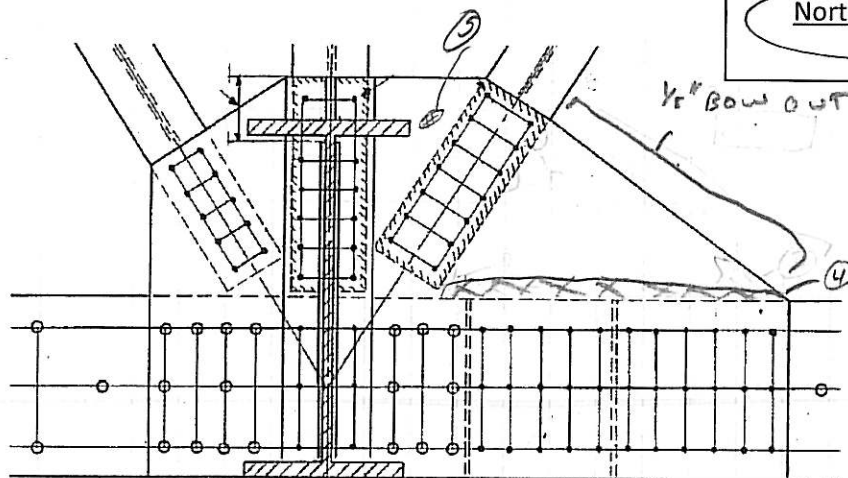
SHEET

CREW KMW

Span: 1 2 3 4

North Truss

South Truss

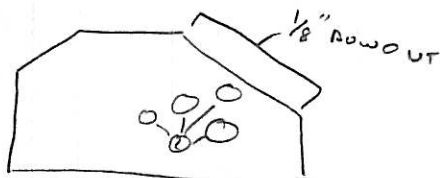


① 1" TACK, INT NR

③ ACT, 1/16" PIT UP TO 4" T

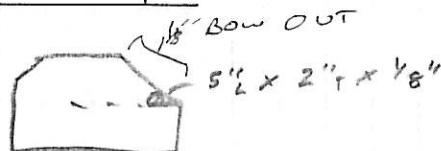
④ INT NR UP TO 1/8" PIT

⑤ 3" W X 2" T X 1/16"



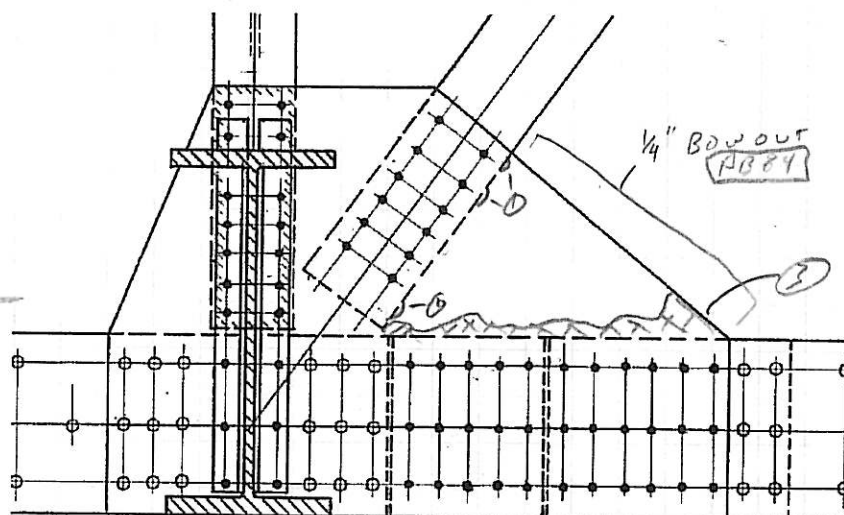
L7 (S R)

L6 (N. R)



L6 (S R)  
INT

② Ext, 1/16" PIT. Avg 4" T



L7 (N. R)

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10/17/08

SHEET

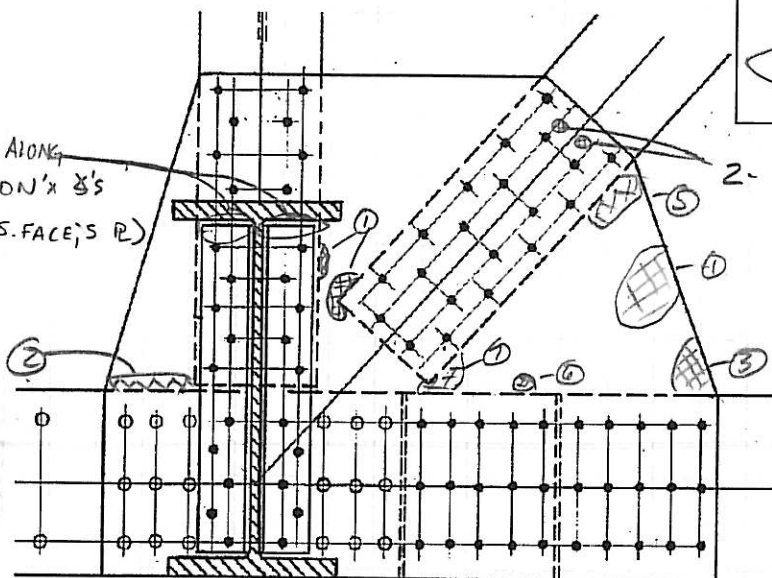
CREW kmw

Span: 1 2 3 4

North Truss

South Truss

1/16" PITTING ALONG  
TOP OF CON'X 8'S  
W 8" X 1" (S. FACE, S. R.)



2- 1" Ø AREAS OF 1/16" PITTING (S. FACE, S. R.)

① 1/16" ACTIVE PIT, 1" X 4" (BOTH  
INT, N. R.)

② PNT PEELLED W/ ACT. SURF. RUST  
INT N. R.

③ 4" X 4" X 1/16"

④ 4" X 8" X 1/16"

⑤ " " "

⑥ 1.5" Ø X 1/8" ACT.

⑦ 3" X 3" X 1/16" ACT

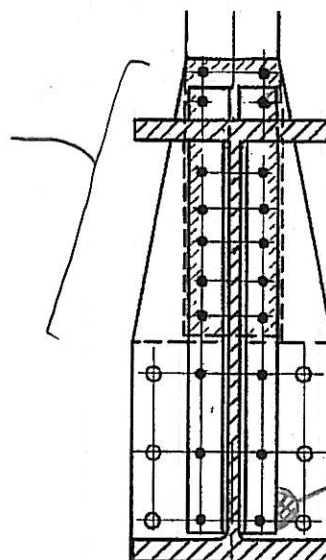
INT S. R.

1" Ø ACT. 1/16" PITS SPACED

@ APPROX 8"

L8

N. R. Bow 1/8" IN



3" X 1" W X 1/8" PITTING  
S. FACE, S. R.

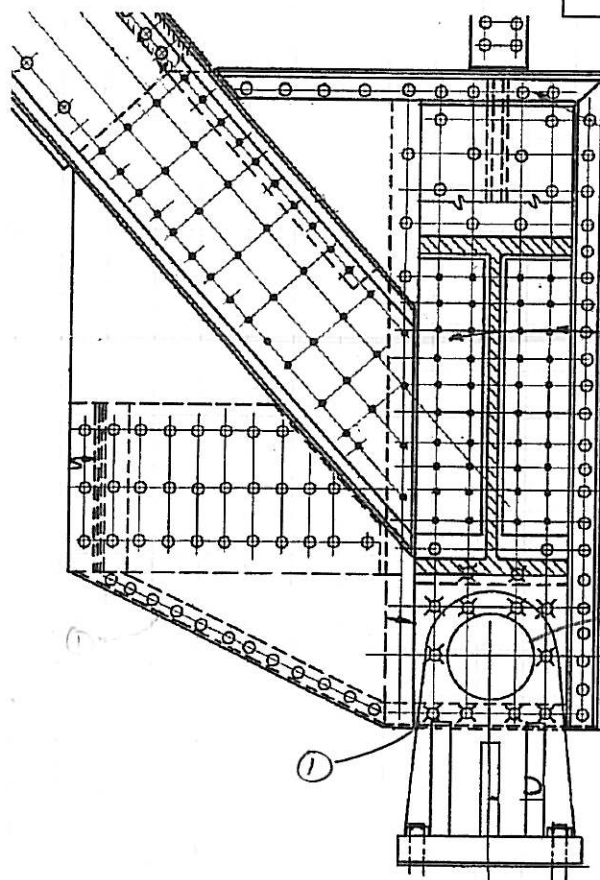
L9

|            |      |      |            |      |      |
|------------|------|------|------------|------|------|
| REVISION 1 | DATE | CREW | REVISION 2 | DATE | CREW |
| REVISION 3 | DATE | CREW | REVISION 4 | DATE | CREW |

PROJECT NO. P410070010  
 DATE \_\_\_\_\_  
 CREW \_\_\_\_\_

BRIDGE NO. HAM-50-3.76  
 SHEET \_\_\_\_\_

Span: 1 2 (3) 4  
North Truss South Truss



SEE PIER NOTES  
 FOR BRG NOTES

PIN PAINT FAILED, SLT-MOD  
 SURF RUST, NEG LOSS

① 100% SEC LOSS TO  
 BOTTOM GUSSET

L10

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |

PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10/10/03

SHEET

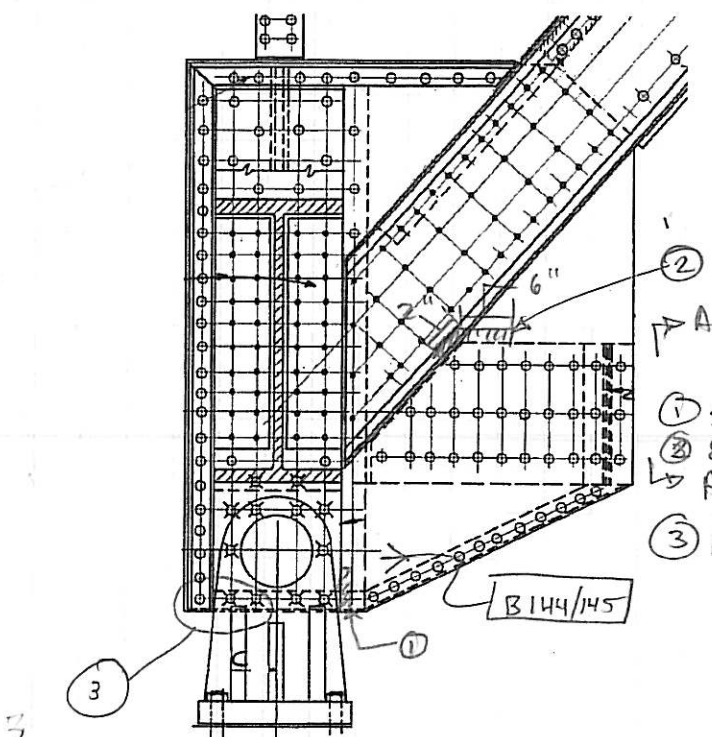
CREW BKL

Span: 1 2 3 4

North Truss

South Truss

Ø THREAD COUNT ON PIN BOTH SIDES  
NO SIGNS OF ROTATION OF NUT



① 2" W x 4" T WP 7/16" PATTING S. GUSSET

② 8" L x 1" T 1/8" PATTING

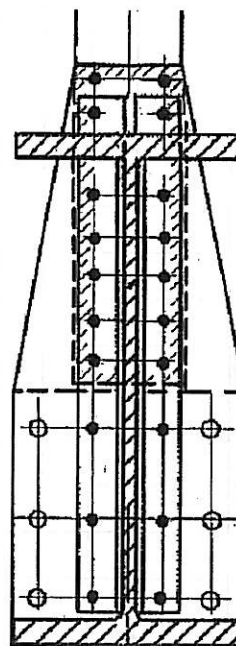
③ ANGLES W/ 100% SEC LOSS PAST BRG

B144/145

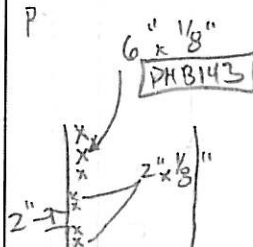
L0

ACTUALLY L0  
OTHER IS L8 SPAN 4

S. ELEV B142



L1



SEC 14A

L04 N.T.R.

Calculations for 1/4 US Grid

|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |

PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10/7/08

SHEET

CREW

LB NOTE

Span: 1 2 3 4

North Truss

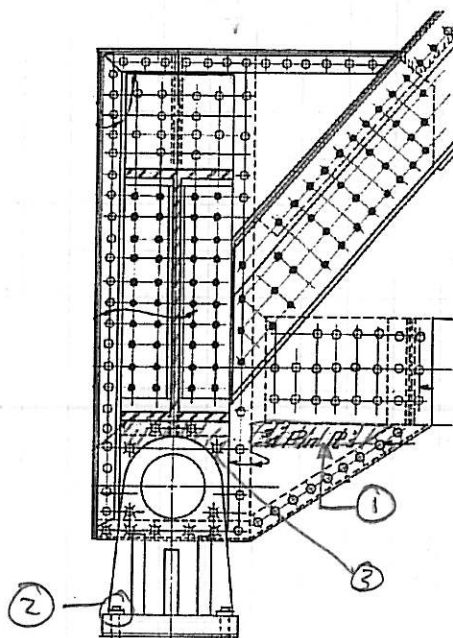
South Truss

UP TO

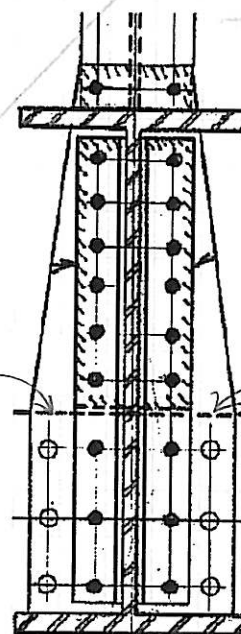
- ①  $\frac{1}{3}$  PITTING FOR 2" T (TERMINATES @ 4'S) S. GOS. INT.
- ② 25% LOSS ON ANCHOR BOLT / CLND PTD, S. SIDE
- ③  $\frac{1}{16}$ " PIT ON ALL INT EXPOSED PIN R

SEE PIER NOTE FOR ADDITIONAL NOTES

SEE FOR BRG NOTES @ L0



L0 - ACTUALLY L8



L1

tack welds  $\frac{1}{2}$ " long  
weld on "inner"  
chord plate to gusset bracket

PEJ-10-7-08

$\frac{1}{2}$ " tack welds

|                     |      |      |                     |      |      |
|---------------------|------|------|---------------------|------|------|
| REVISION $\Delta$ 1 | DATE | CREW | REVISION $\Delta$ 2 | DATE | CREW |
| REVISION $\Delta$ 3 | DATE | CREW | REVISION $\Delta$ 4 | DATE | CREW |

PROJECT NO. P410070010

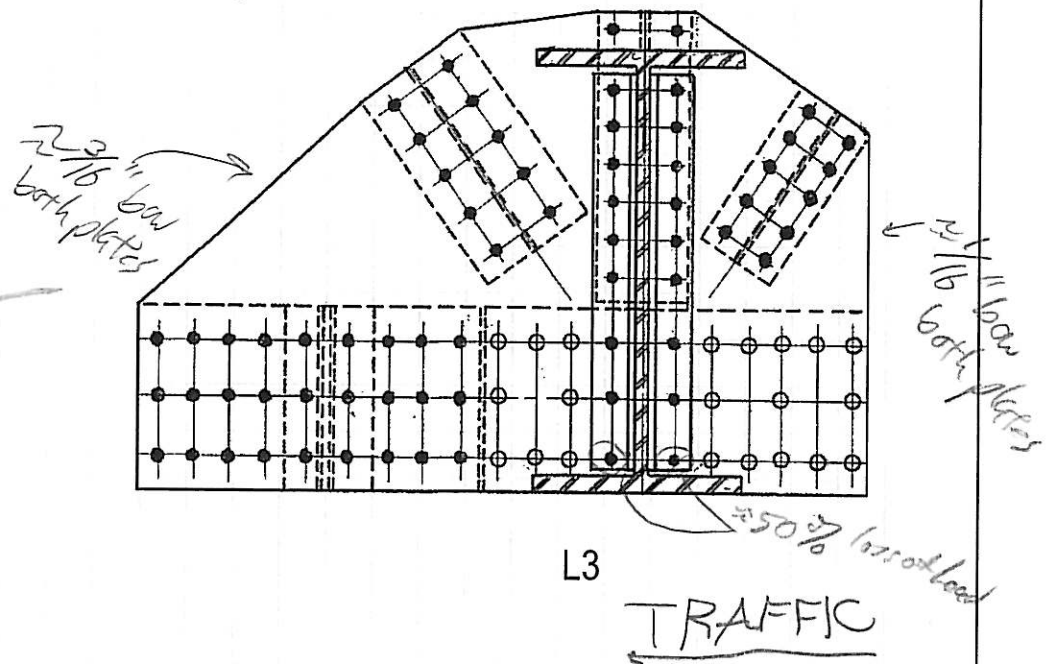
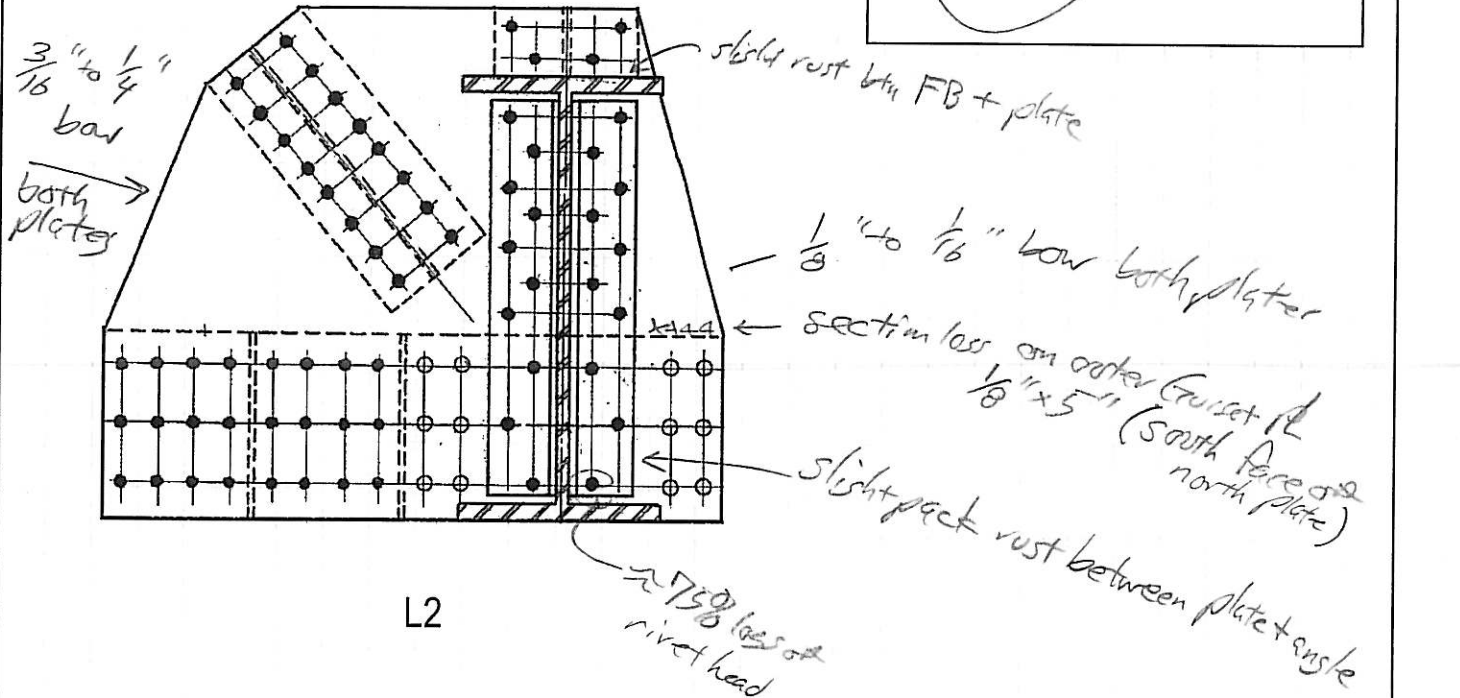
BRIDGE NO. HAM-50-3.76

DATE 10-7-08

SHEET

CREW PEO

Span: 1 2 3 4  
North Truss South Truss



|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |



PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

DATE 10-7-08

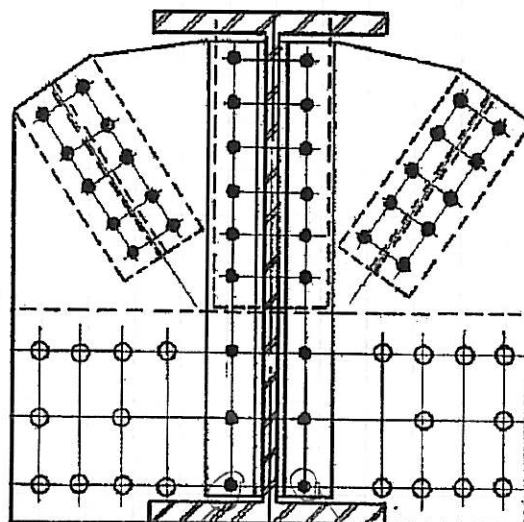
SHEET

CREW PEJ

Span: 1 2 3 4

North Truss

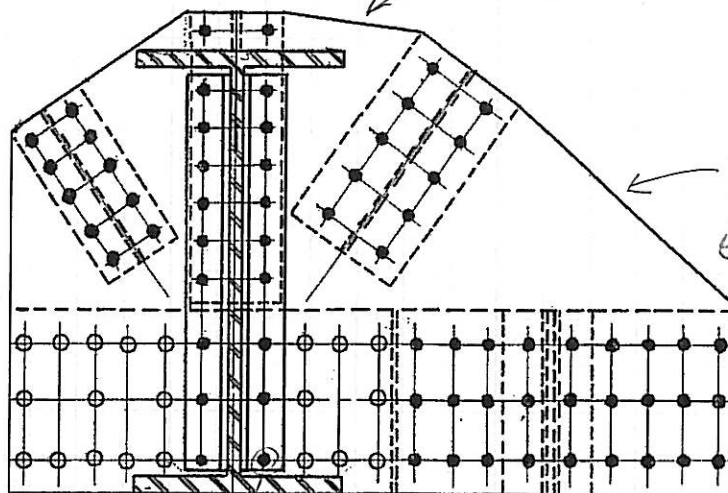
South Truss



L4  
loss of head

TRAFFIC

nearby 100% loss of head to rust



L5

TRAFFIC

viewed looking North

Nearly 100% loss of head

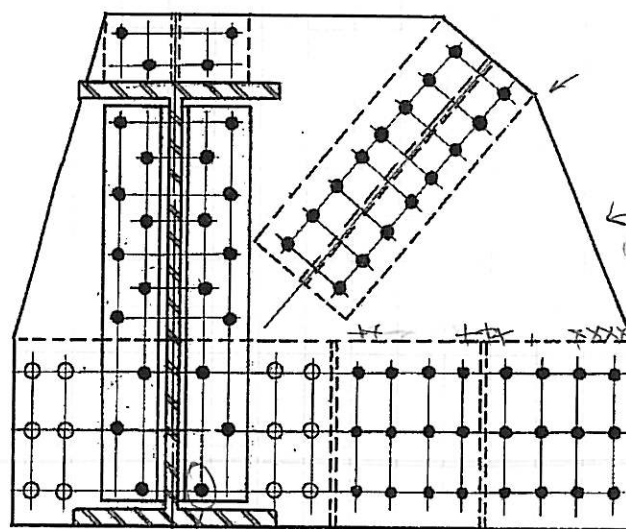
|                   |      |      |                   |      |      |
|-------------------|------|------|-------------------|------|------|
| REVISION <u>1</u> | DATE | CREW | REVISION <u>2</u> | DATE | CREW |
| REVISION <u>3</u> | DATE | CREW | REVISION <u>4</u> | DATE | CREW |

PROJECT NO. P410070010

BRIDGE NO. HAM-50-3.76

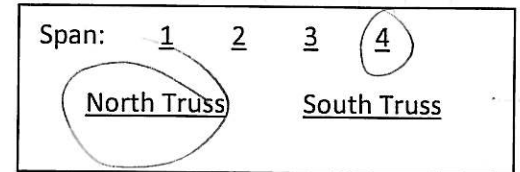
DATE 10-7-08

SHEET.

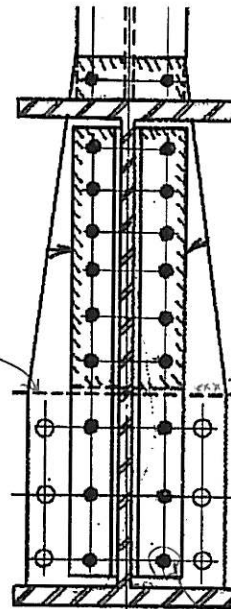
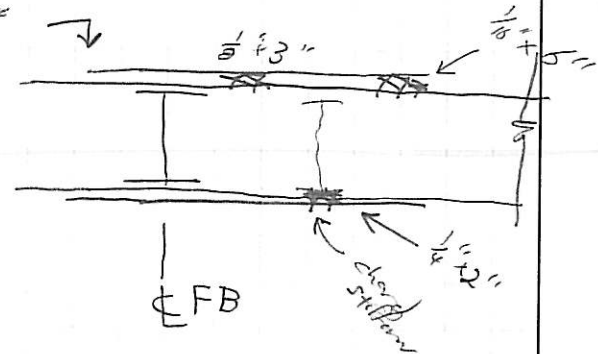
CREW PEJ

L6  
head  
neck  
arm  
trunk side  
inner side

← traffic



← both bowed outward  
(Guernsey)  
1/4" between members



1  
x4 weld  
3/16" dia  
on inside  
plates

10/10/09  
 8" bed  
 10/10/09  
 10/10/09

L7  
traffic  
←

### Calculations for 1/4 US Grid

|                        |      |      |                        |      |      |
|------------------------|------|------|------------------------|------|------|
| REVISION $\triangle 1$ | DATE | CREW | REVISION $\triangle 2$ | DATE | CREW |
| REVISION $\triangle 3$ | DATE | CREW | REVISION $\triangle 4$ | DATE | CREW |