



STINGER WELDING LTD.

15.240m L100

NON-COMPOSITE BRIDGE

G4-929



ALLNORTH
CONSULTANTS
LIMITED

301-1777 THIRD AVE.
PRINCE GEORGE
B.C. 562-7291

reproduction scale
0 10 20 30

plot date 1999/01/12

scale

drawn BAK

design

checked

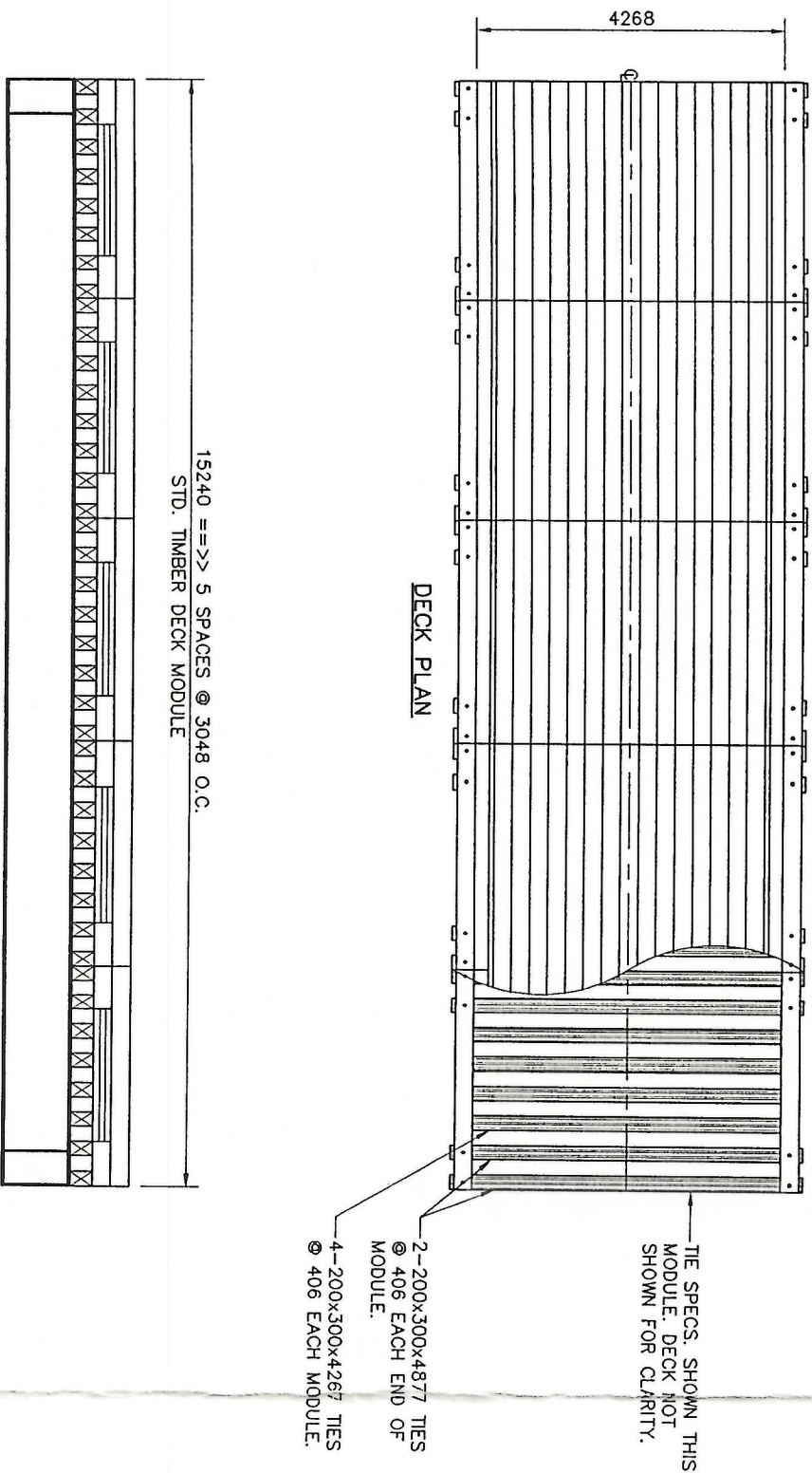
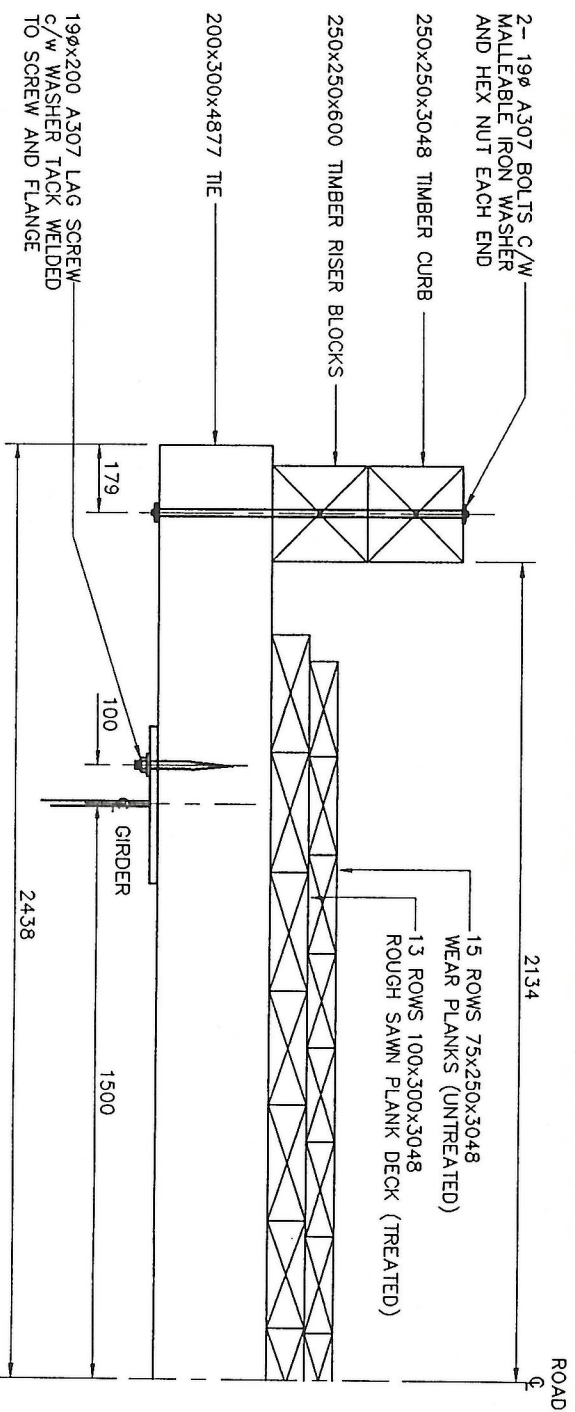
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revision

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of

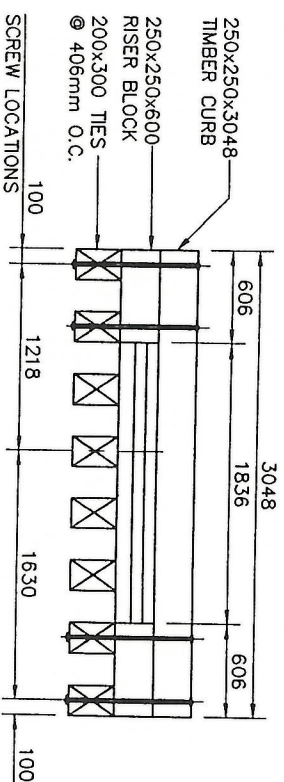
drawing no.
99-C-008

filename: 99C9-10WG



TIMBER DECK MODULE SECTION-DECK CONNECTION DETAIL

SCALE 1:20



STANDARD TIMBER DECK MODULE-PROFILE

SCALE 1:50

DECK NAILING PATTERN:

1. WEAR PLANK NAILING PATTERN:
 - WEAR PLANKS TO SUB DECK - 150mm GALV. COMMON SPIKES, 3 PER PLANK END, 1 @ 50mm AND 2 @ 150mm FROM END.
 - 2 @ 1000mm o/c TYPICAL.
2. DECK NAILING PATTERN:
 - DECK PLANKS TO TIMBER TIES - 200mm GALV. COMMON SPIKES, 1 PER PLANK END, 50mm FROM END, CENTERED (PRE-DRILLED 6mm HOLE).
 - 2 PER PLANK END, 400mm FROM END (PRE-DRILLED 6mm HOLE).
 - 1 @ 1000mm STAGGERED SIDE TO SIDE.

NOTES:

1. ALL TIMBER BOLTS SHALL BE ASTM A-307, HOT DIPPED GALVANIZED, c/w GALVANIZED MALLEABLE IRON WASHERS. GALVANIZED HEX-NUT SIZED TO FIT AFTER GALVANIZING.
2. DECK JOINTS SHALL BE CENTERED OVER TIES. DECK JOINTS ON ADJACENT PLANKS SHALL BE STAGGERED A MINIMUM 2 TIE SPACES.
3. DECK (ROUGH SAWN):
 - TIMBER TIES SHALL BE D.FIR #2 & BETTER
 - TIMBER CURBS SHALL BE ANY SPECIES #2 & BETTER
 - PLANK SUB-DECK SHALL BE D.FIR #2 & BETTER
 - PLANK WEAR DECK SHALL BE ANY SPECIES #2 & BETTER
4. LUMBER GRADES AS PER CANADIAN LUMBER STANDARDS ADMINISTRATIVE BOARD (C.L.S.A.B.) REQUIREMENTS.

ALLNORTH CONSULTANTS LIMITED

301-1777 THIRD AVE.
PRINCE GEORGE
B.C. V6A 7Z9

9/9/11/12

reproduction scale

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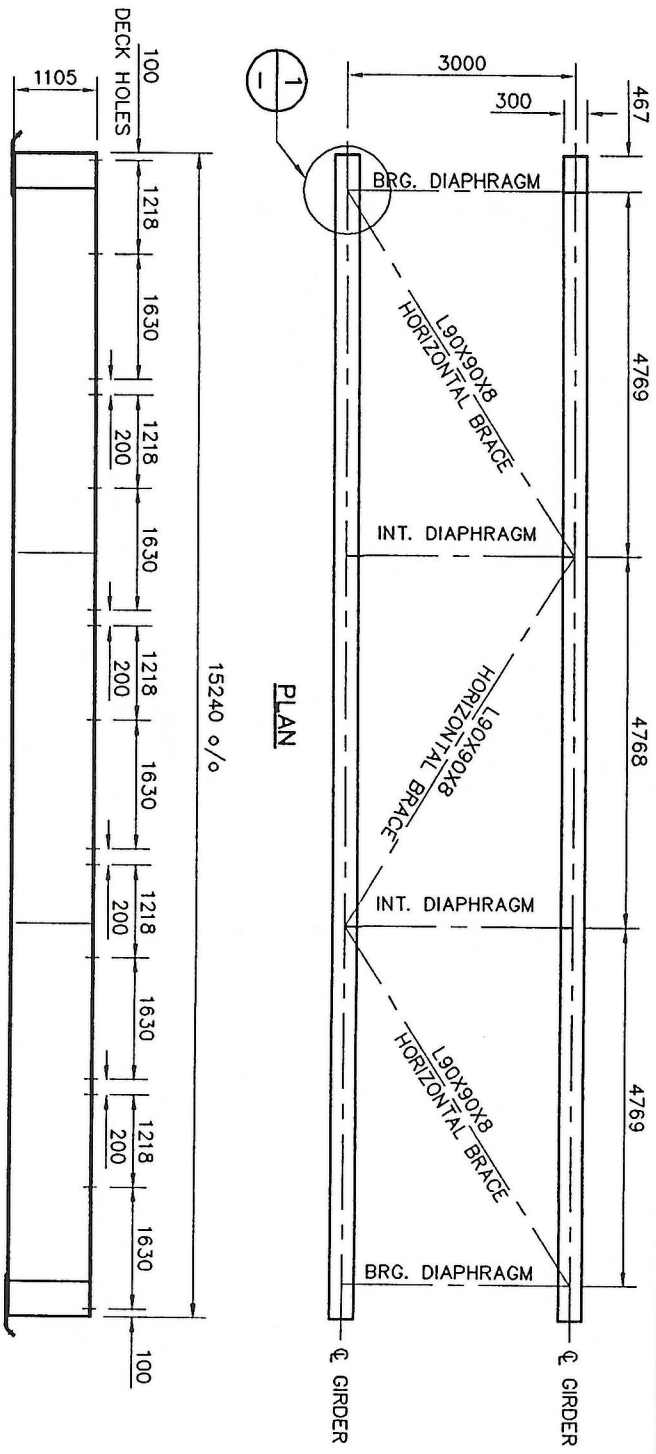
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drawing no. 99-C-008-1

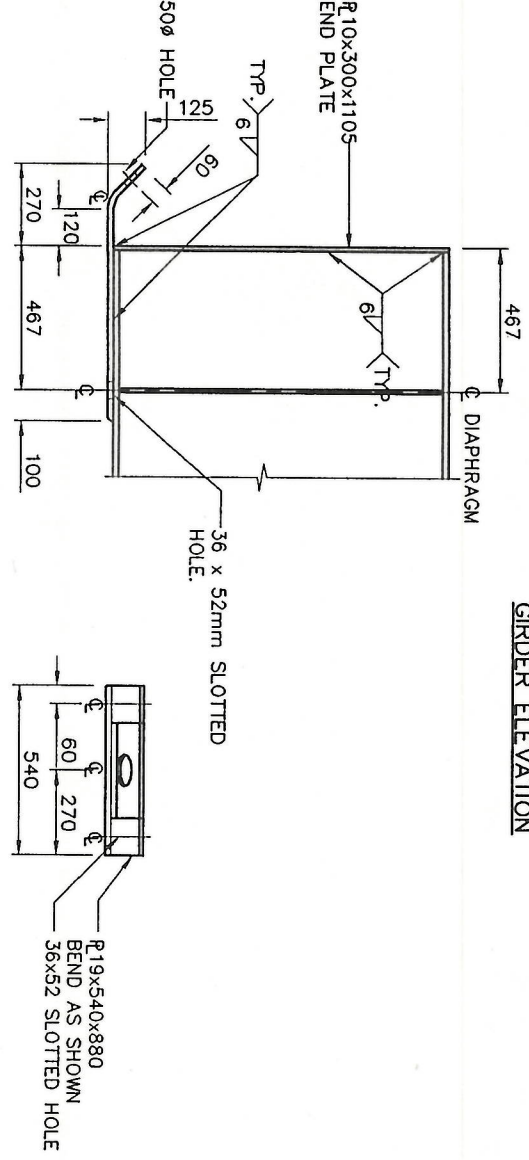
STINGER WELDING LTD.

15,240m L100
NON-COMPOSITE
BRIDGE

DECK PLAN
ELEVATION
& DETAILS

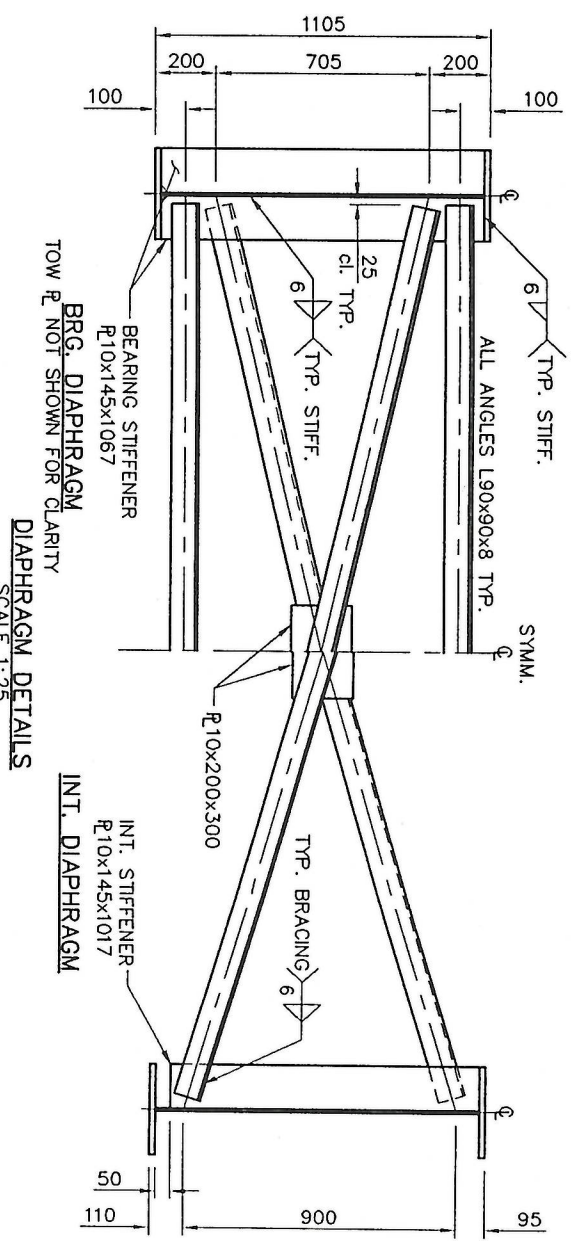


GIRDER ELEVATION

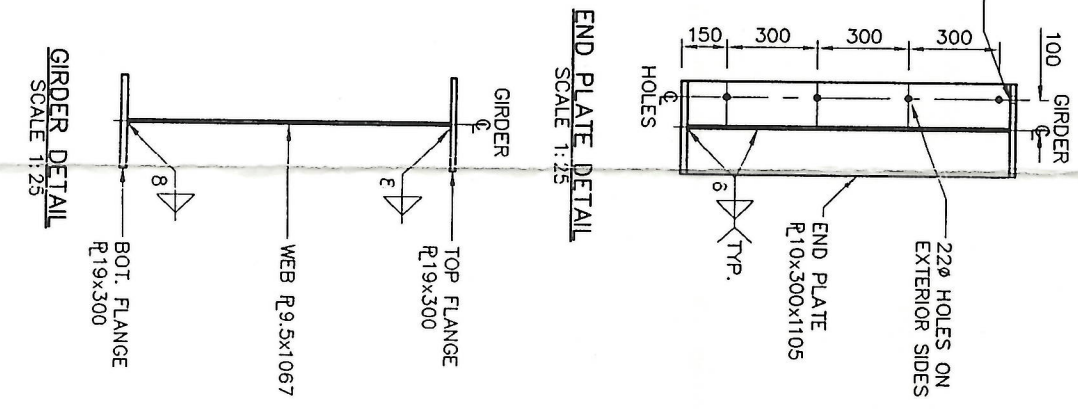


TOW PLATE DETAIL
SCALE 1:25

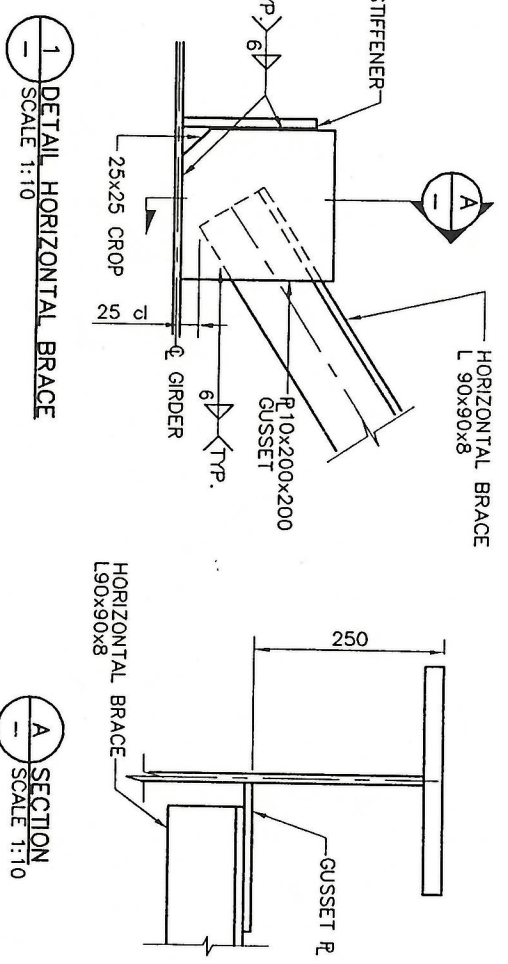
END ELEVATION
SCALE 1:25



BRG. DIAPHRAGM
INT. DIAPHRAGM
DIAPHRAGM DETAILS
SCALE 1:25

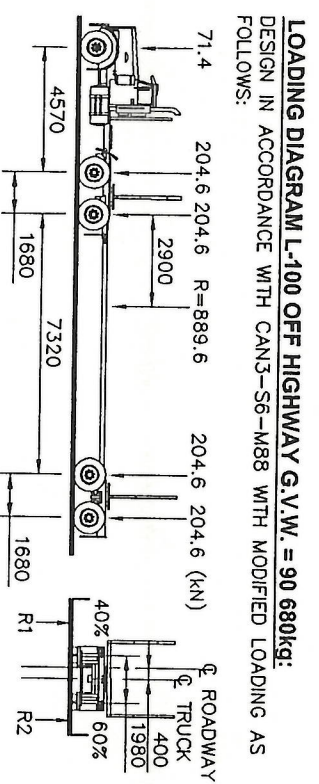


END PLATE DETAIL
SCALE 1:25



DETAIL HORIZONTAL BRACE
SCALE 1:10

SECTION
SCALE 1:10



STEEL NOTES:

1. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CSA STANDARD G40.21-M81, GRADE 350A1, CATEGORY 3. MILL CERTIFICATES TO BE FORWARDED TO THE ENGINEER.
2. ALL OTHER STEEL (INCLUDING ANGLES) SHALL COMPLY TO GRADE 350A.
3. GIRDERS ARE DESIGNED AS FRACTURE CRITICAL MEMBERS.
4. CHARPY V-NOTCH TESTS SHALL BE SPECIFIED ON A PER-PLATE FREQUENCY.
5. WELDING SHALL BE IN ACCORDANCE WITH CSA STANDARD W-59.
6. ALL BUTT WELDS TO BE RADIOGRAPHIC TESTED WITH COPIES SENT TO THE ENGINEER.
7. CONTACT ENGINEER FOR FABRICATION INSPECTIONS, A MINIMUM 2 WEEKS PRIOR TO SHIPPING.

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0	2 of 2

ALLNORTH CONSULTANTS LIMITED

301-1777 THIRD AVE.
PRINCE GEORGE
B.C. V6R 7X91

09101113

reproduction scale 1:100

plot date 1989/01/12

scale 1:100

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SAG

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drawing no. 99-C-008-1

filename: 99C008-1.DWG

15.240m L100 NON-COMPOSITE BRIDGE

SUPERSTRUCTURE BRACING & DETAILS

STINGER WELDING LTD.