

(In reply, please refer to)
Our File: 02-0629-0201

January 22, 2003

Mr. Jordan De Groot
Fish Habitat Biologist
Department of Fisheries and Oceans
P.O. Box 358
Iqaluit, Nunavut, X0A 0H0

**RE: Proposed Char River Bridge Crossing-- Detailed Design Drawings;
Section 35 (2) Fisheries Authorization Application**

Dear Mr. Jordan,

On behalf of the Department of Community Government and Transportation (CG&T), Government of Nunavut, we are pleased to provide you with updated detailed design drawings for the Char River bridge, Rankin Inlet, Nunavut. The attached drawings are intended to supplement information previously submitted to the Department of Fisheries and Oceans, Canada (DFO) on September 18, 2002 (see attached). In addition, an application for a Section 35 (2) Fisheries Authorization has been included.

It is our belief that the proposed bridge will improve present erosion prone conditions at this crossing and will not result in the loss of fish habitat. In fact, the replacement of the existing road and culvert, coupled with the use of rip rap for bridge footing stabilization, will provide a net gain in productive fish habitat of approximately 184 m². Furthermore, implementation of adequate mitigation measures during construction will prevent the potential movement of sediment to the marine environment and any associated direct and indirect effects on fish and fish habitat.

At your convenience, please review these drawings and provide the Department of Community Government and Transportation with your feedback.

Sincerely,

DILLON CONSULTING LIMITED

ORIGINAL SIGNED BY PETER MOORE

J. Peter Moore; Associate, MSc., P.Biol
Senior Fisheries Biologist

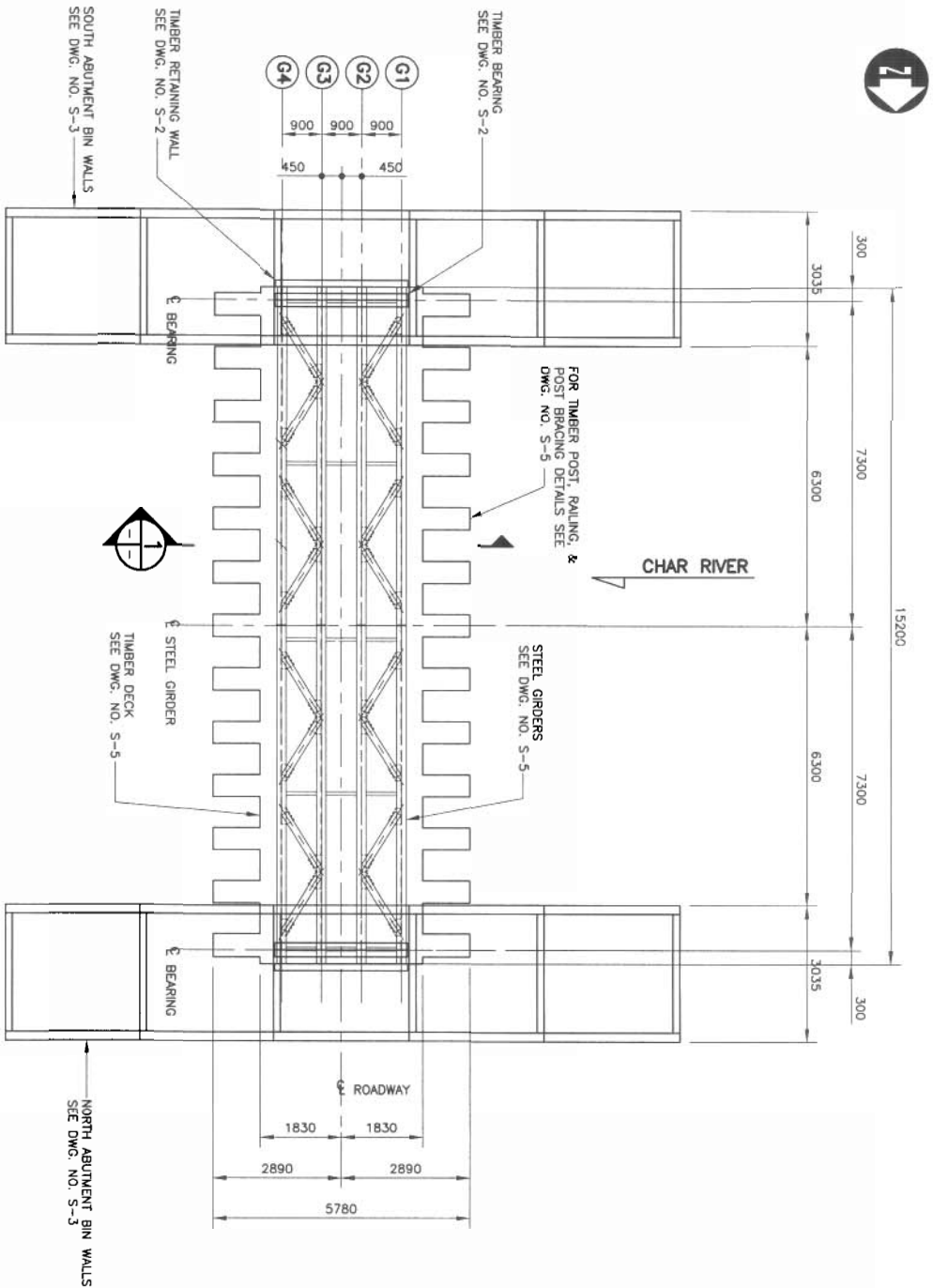
cc: Robert Weibe; Bryan Purdy

Attachments

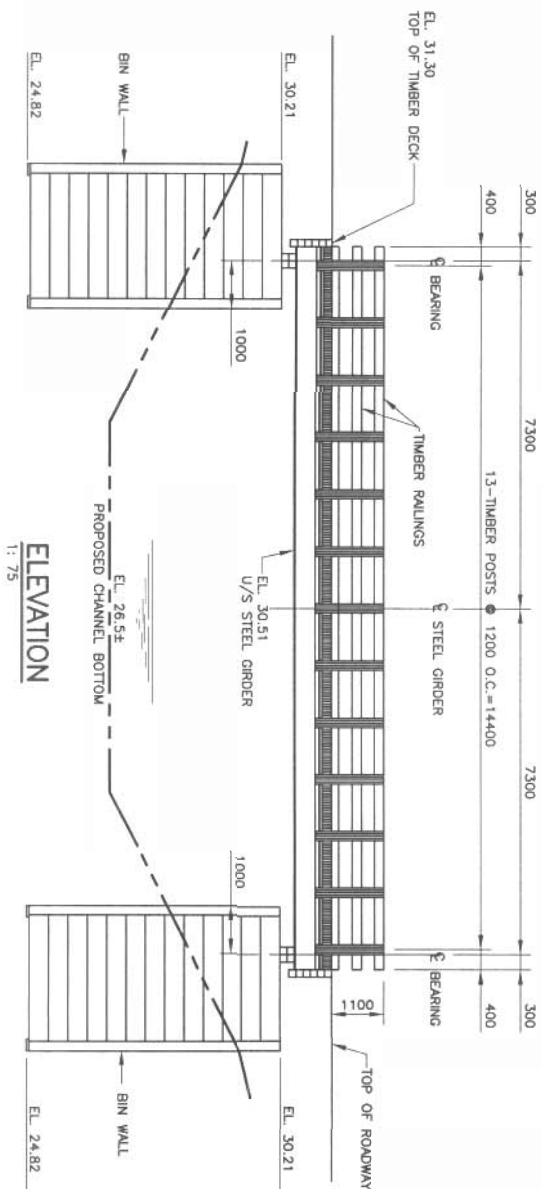
030129 CMA Letter and Design Drawings - 14A E



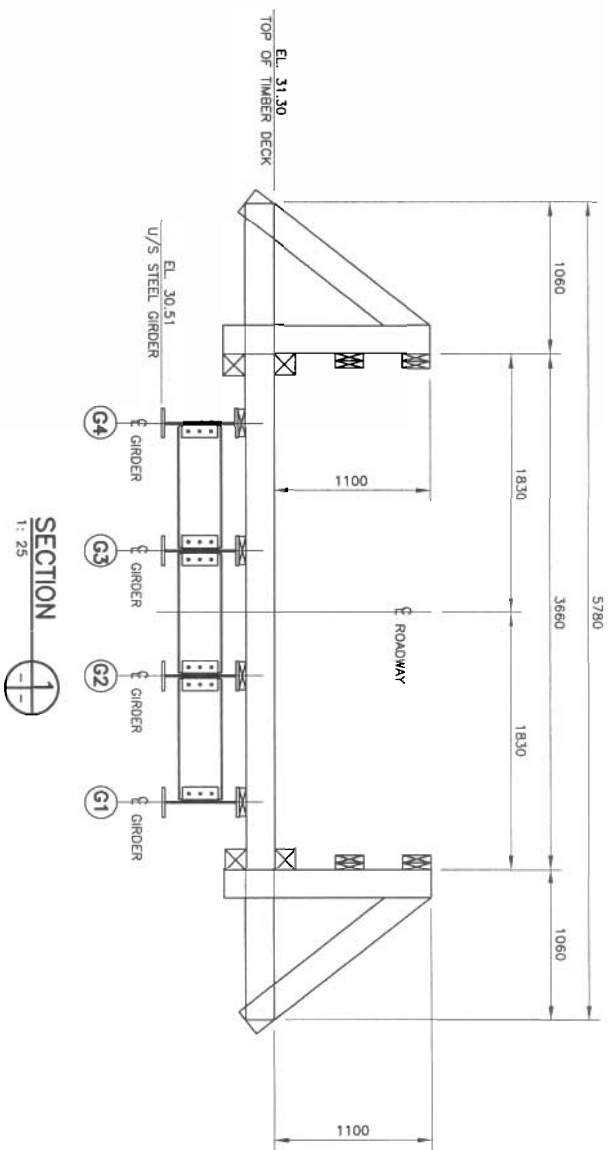
1:50,000



PLAN
1: 75



ELEVATION
1: 75



SECTION
1: 25

GENERAL NOTES

1. ALL STRUCTURAL STEEL SHALL BE CAN/CSA-G40.21-M92 GRADE 500W.
2. ALL BOLTS SHALL BE ASTM A325M.
3. ALL TIMBER SHALL BE DOUGLAS FIR SELECT STRUCTURAL.

PRELIMINARY ONLY

DRAWING REDUCED
NOT TO SCALE



GOVERNMENT OF NUNAVUT
DEPARTMENT OF COMMUNITY GOVERNMENT
AND TRANSPORTATION - KIVALLIQ REGION

CHAR RIVER CROSSING
RANKIN INLET

GENERAL ARRANGEMENT

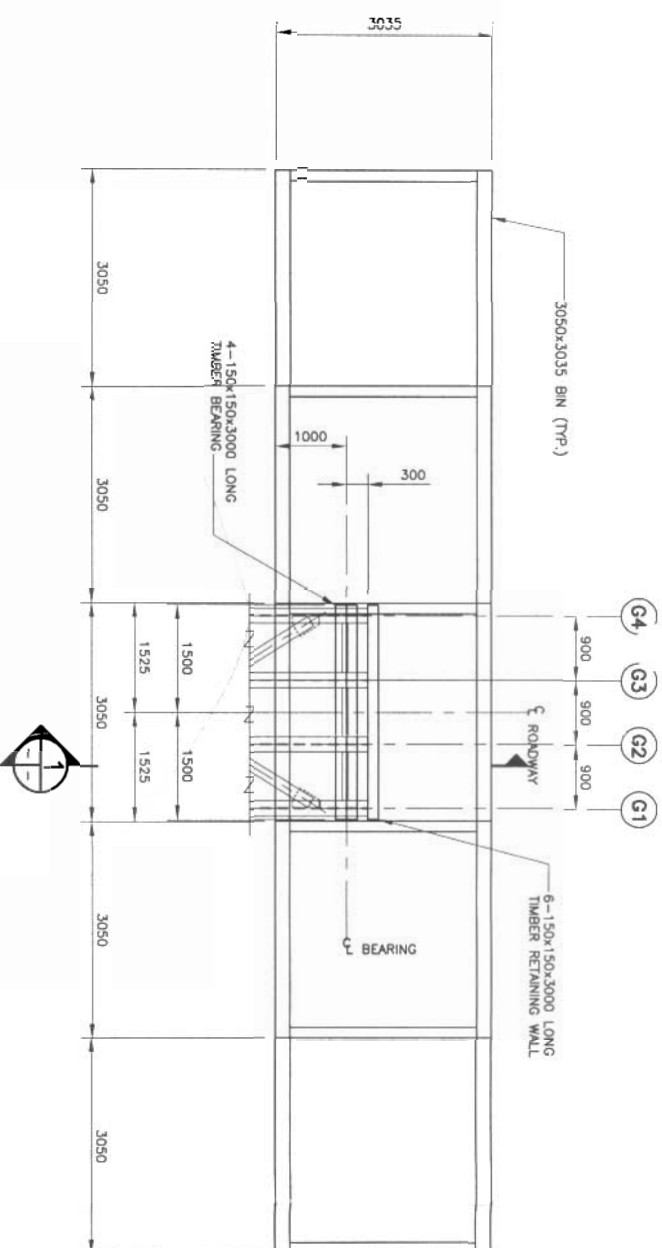
ISSUED FOR REVIEW
JAN. 15, 2003

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DATE

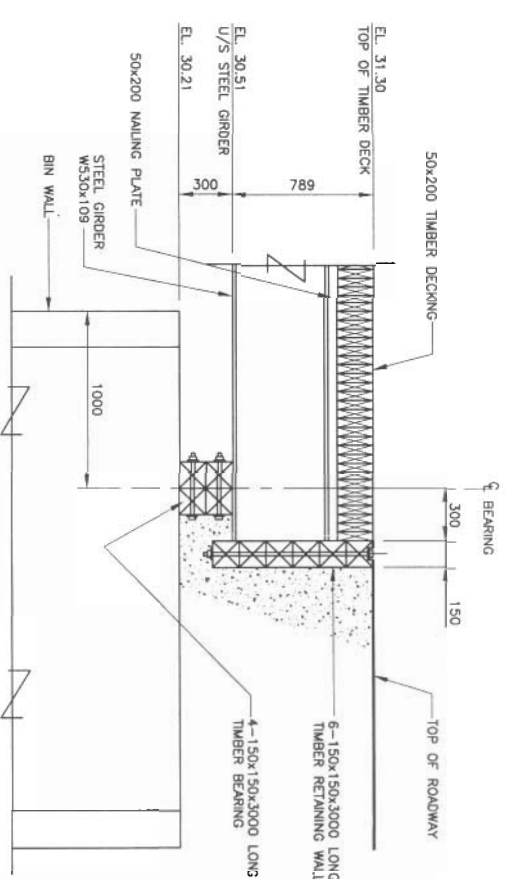
CONSULTANT PROJECT NO.
02-0629

SCALE
AS SHOWN

DRAWING NO
S-2



SECTION 1 : 20

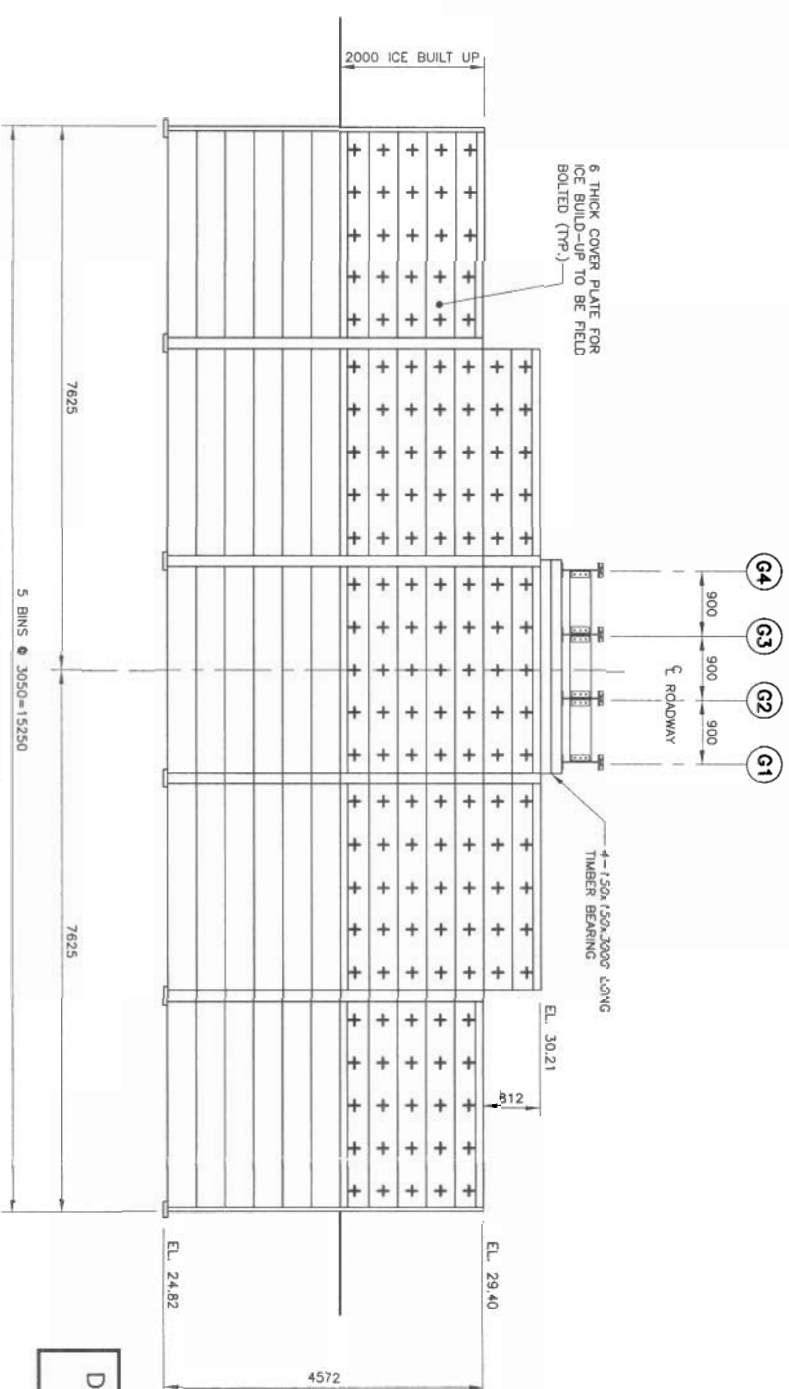


BIN WALL BILL OF MATERIALS
TO COME

STRUCTURAL STEEL BILL OF MATERIALS			
MARK	QUANTITY	DESCRIPTION	REMARKS
PLATE 2	8	PL 12x21x9/16 LONG	TOP & BOT. FLANGE STEEL ORDER SPICE PLATES SEE SHEET S-4
PLATE 3	16	PL 12x80x9/70 LONG	TOP & BOT. FLANGE STEEL ORDER SPICE PLATES SEE SHEET S-4
BOLT	192	22 # x 90 LONG A325W BOLTS	BOLTS FOR TOP & BOT. FLANGE STEEL ORDER SPICE PLATES SEE SHEET S-5
CLIP ANGLE	32	L 90x90x6x80 LONG	CLIP ANGLE FOR NAILING PLATE SEE SHEET S-5
SCREW	32	1/25 LONG LAG SCREWS	SCREW ON CLIP ANGLE SEE SHEET S-5

NOTE:
BILLS OF MATERIALS SHOWN ABOVE
FOR BIN WALLS & STRUCTURAL STEEL
TO BE SUPPLIED BY THE CONTRACTOR
IN ADDITION TO THE MATERIALS
SUPPLIED BY THE OWNER.

FRONT ELEVATION
1 : 50



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RANKIN INLET



GOVERNMENT OF NUNAVUT
DEPARTMENT OF COMMUNITY GOVERNMENT
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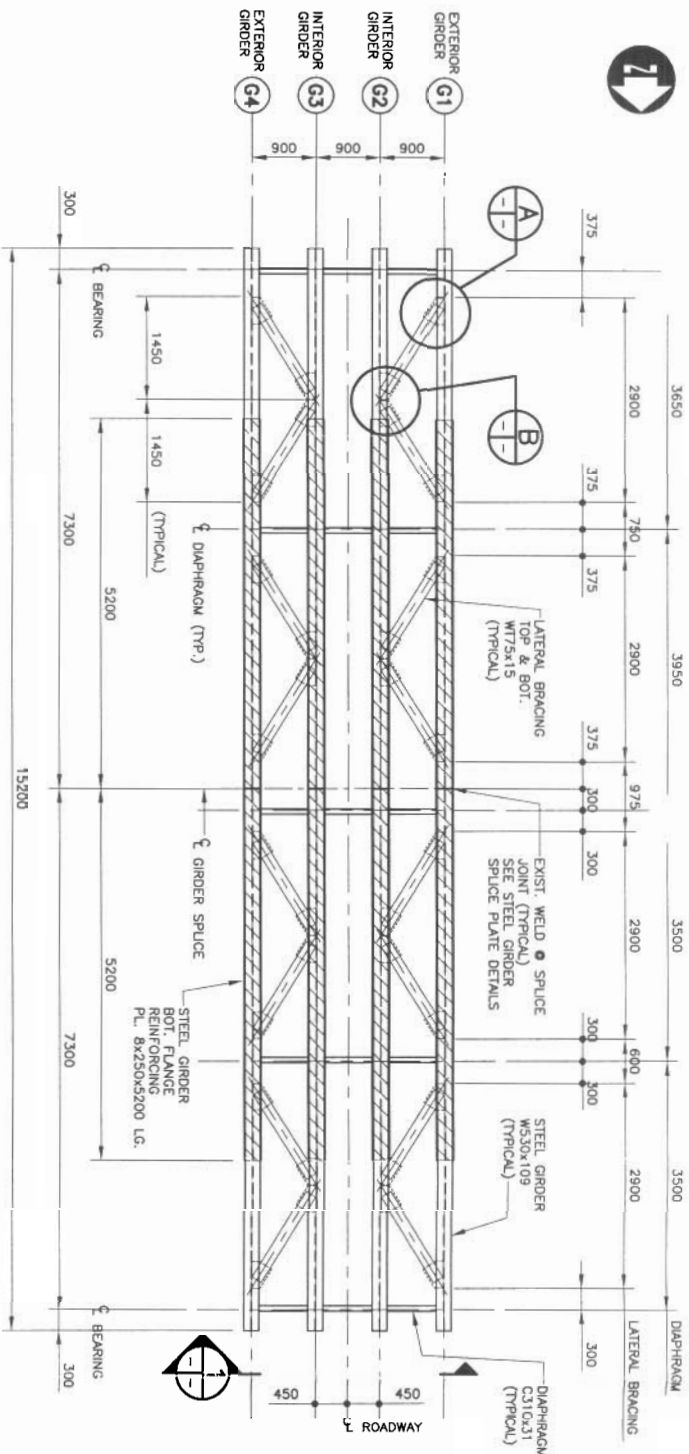
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DATE: _____

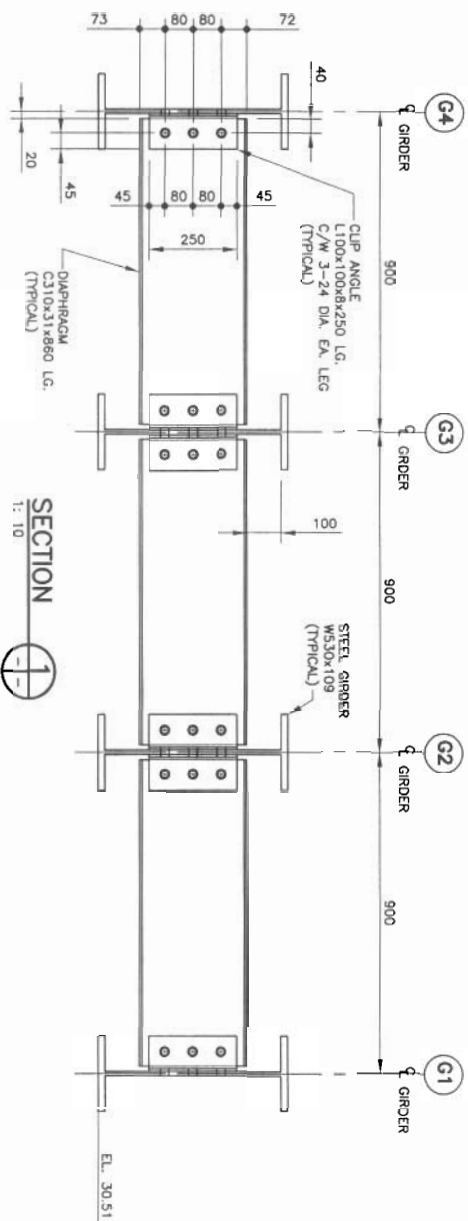
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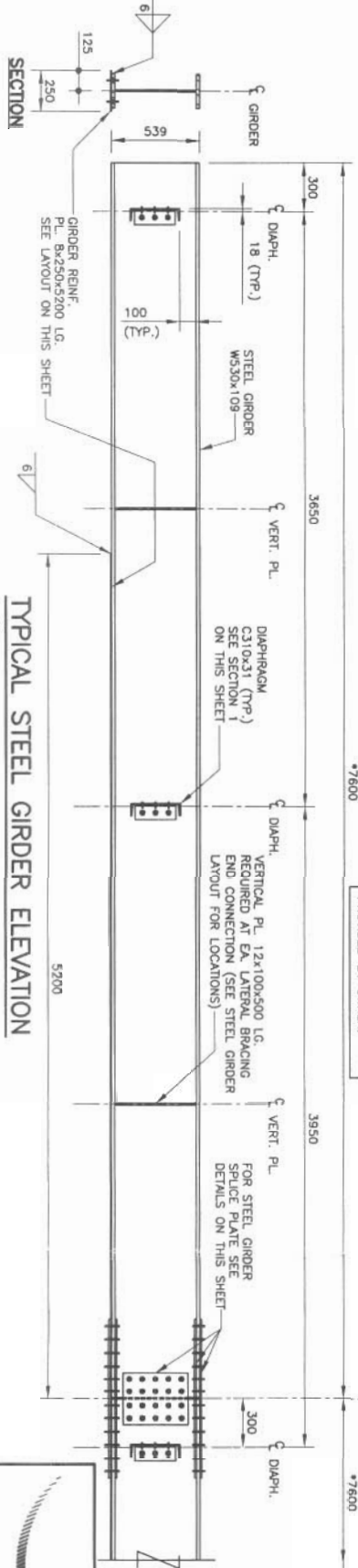


STEEL GIRDER LAYOUT
1: 50



SECTION 1
1: 10

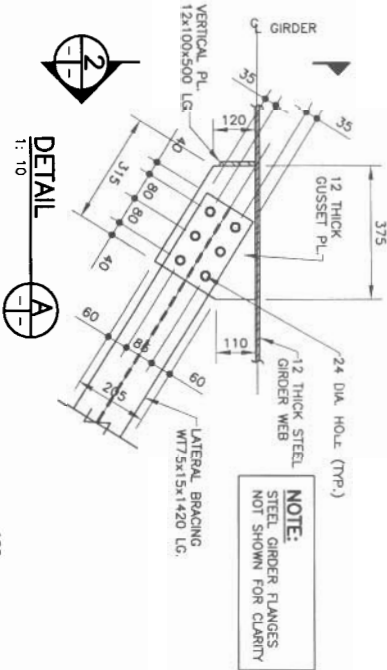
NOTE:
DIMENSIONS MARK WITH (*)
BASED ON INFORMATIONS
PROVIDED BY OWNER.



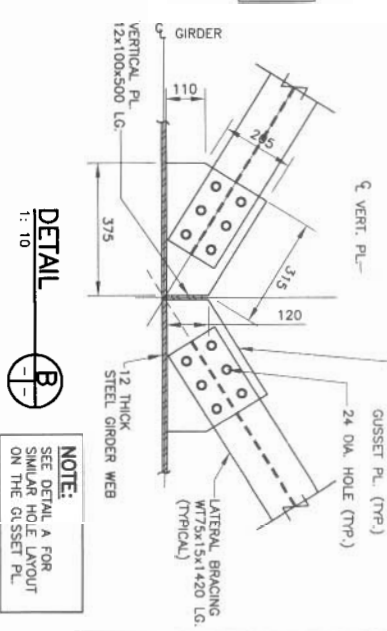
TYPICAL STEEL GIRDER ELEVATION
1: 20

PRELIMINARY ONLY

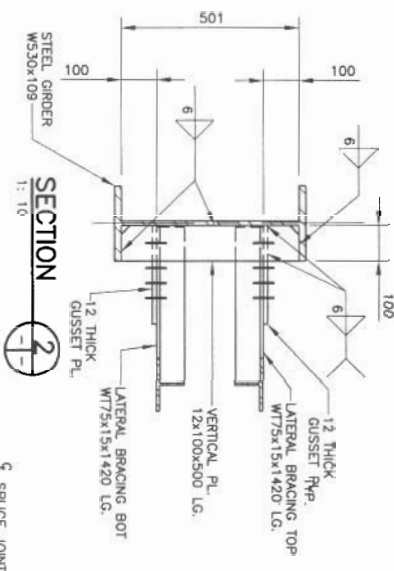
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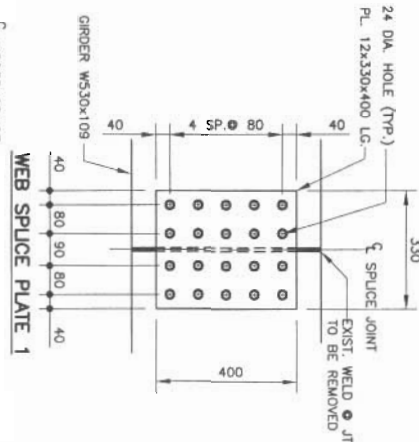
DETAIL A
1: 10



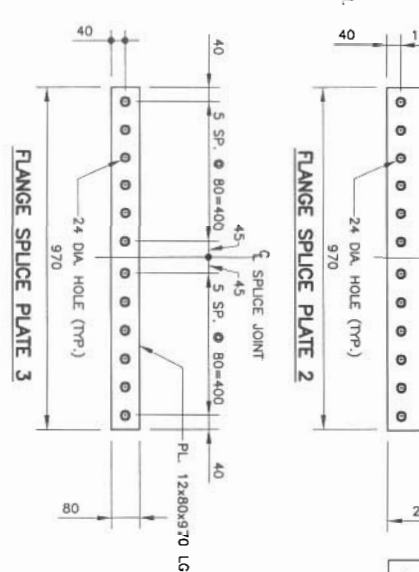
DETAIL B
1: 10



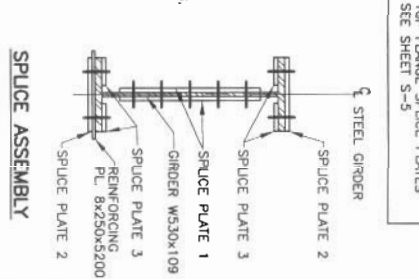
SECTION 2
1: 10



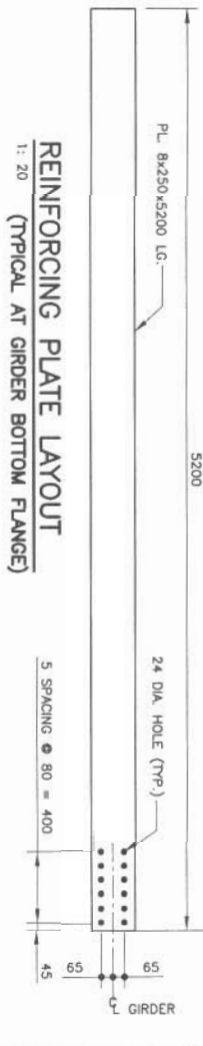
WEB SPICE PLATE 1
1: 10



FLANGE SPICE PLATE 2
1: 10



FLANGE SPICE PLATE 3
1: 10



REINFORCING PLATE LAYOUT
1: 20
(TYPICAL AT GIRDER BOTTOM FLANGE)

ISSUED FOR REVIEW
JAN. 15, 2003



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REGISTERED PROFESSIONAL
ENGINEER
NWT.

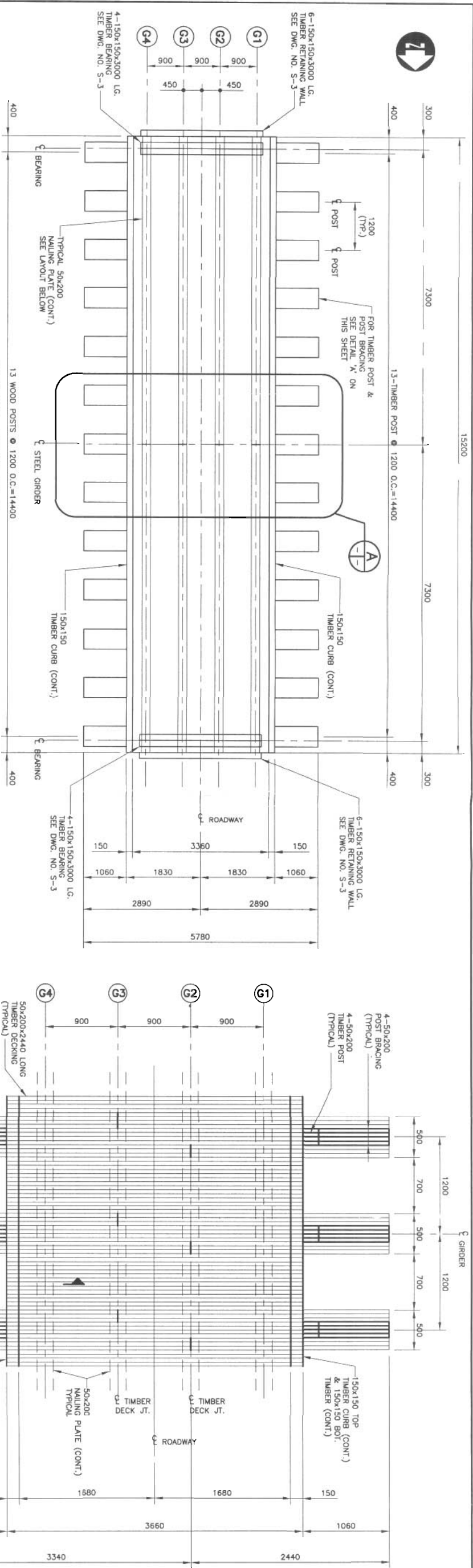


GOVERNMENT OF NUNAVUT
DEPARTMENT OF COMMUNITY GOVERNMENT
AND TRANSPORTATION - KIVALLIO REGION

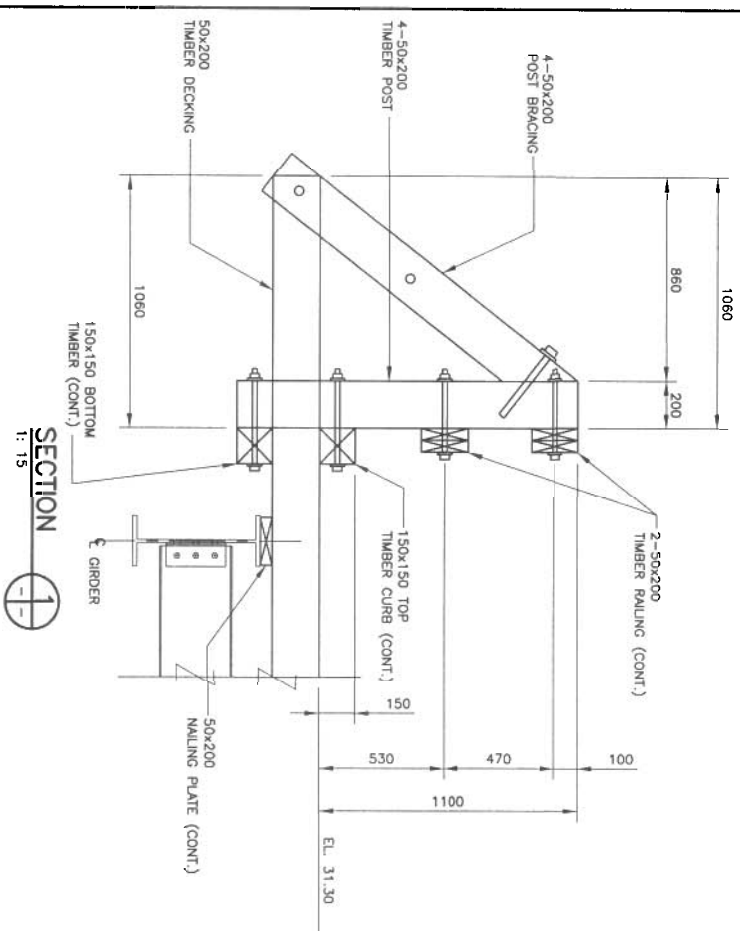
CHAR RIVER CROSSING
RANKIN INLET

STEEL GIRDER LAYOUT

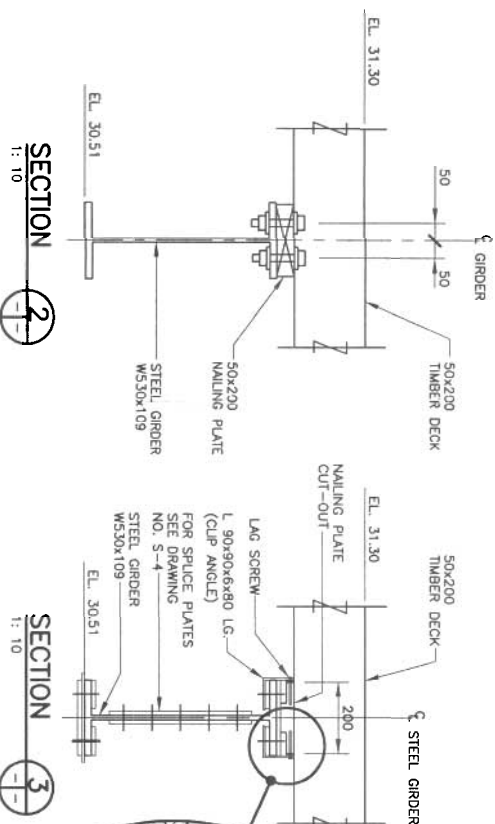
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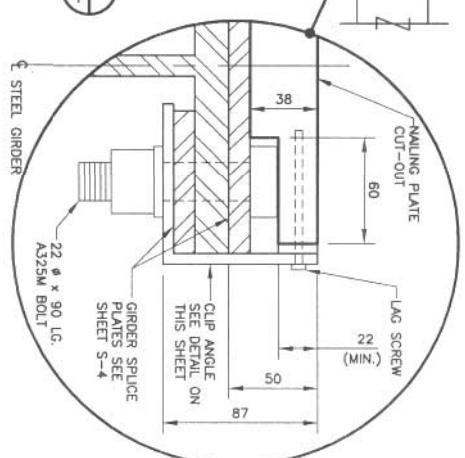
TIMBER DECK PLAN
1 : 50



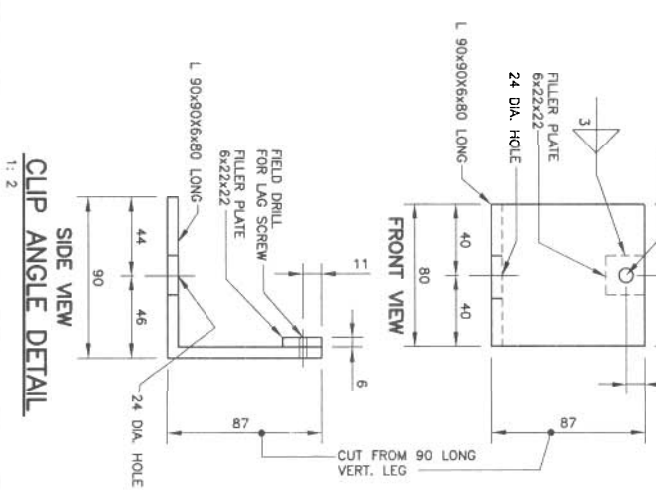
PRELIMINARY ONLY



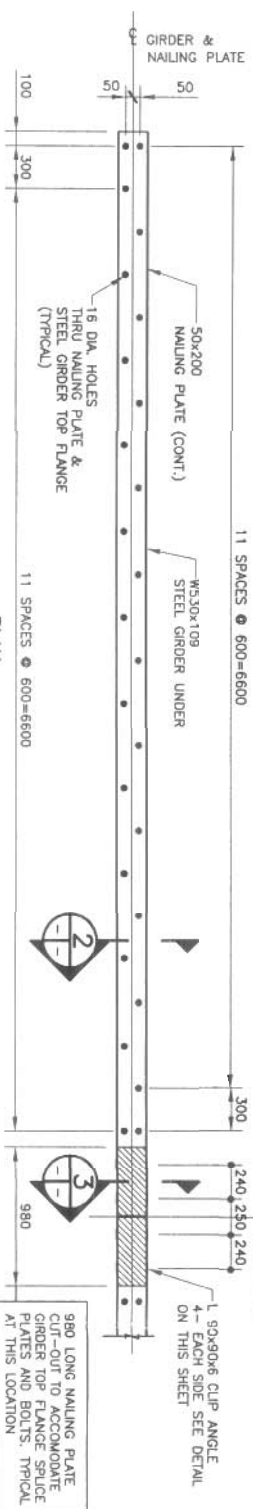
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1: 25



CLIP ANGLE DETAIL



HOLES LAYOUT FOR NAILING PLATE & GIRDER TOP FLANGE

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TIMBER DECK LAYOUT

DRAWING NO.
S-5

ADDITIONAL ACAP FILE: G:\ACAP\020623\CHAP_Review\BCEP\BRIODGE\Review_0603\5-5.DWG D1/18/03