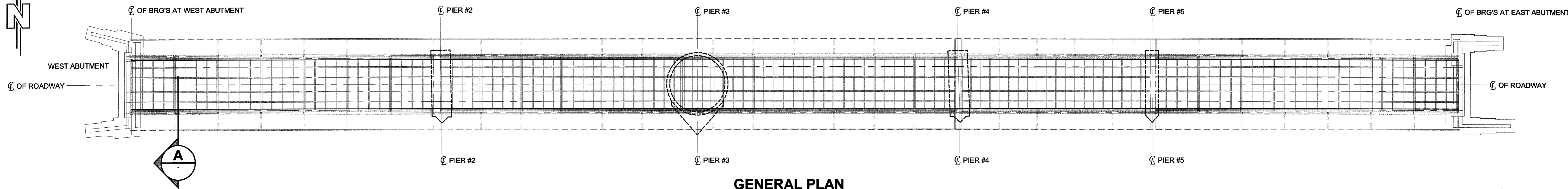
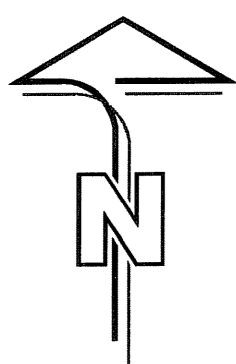


D SIZE 22" x 34" (559mm x 864mm)

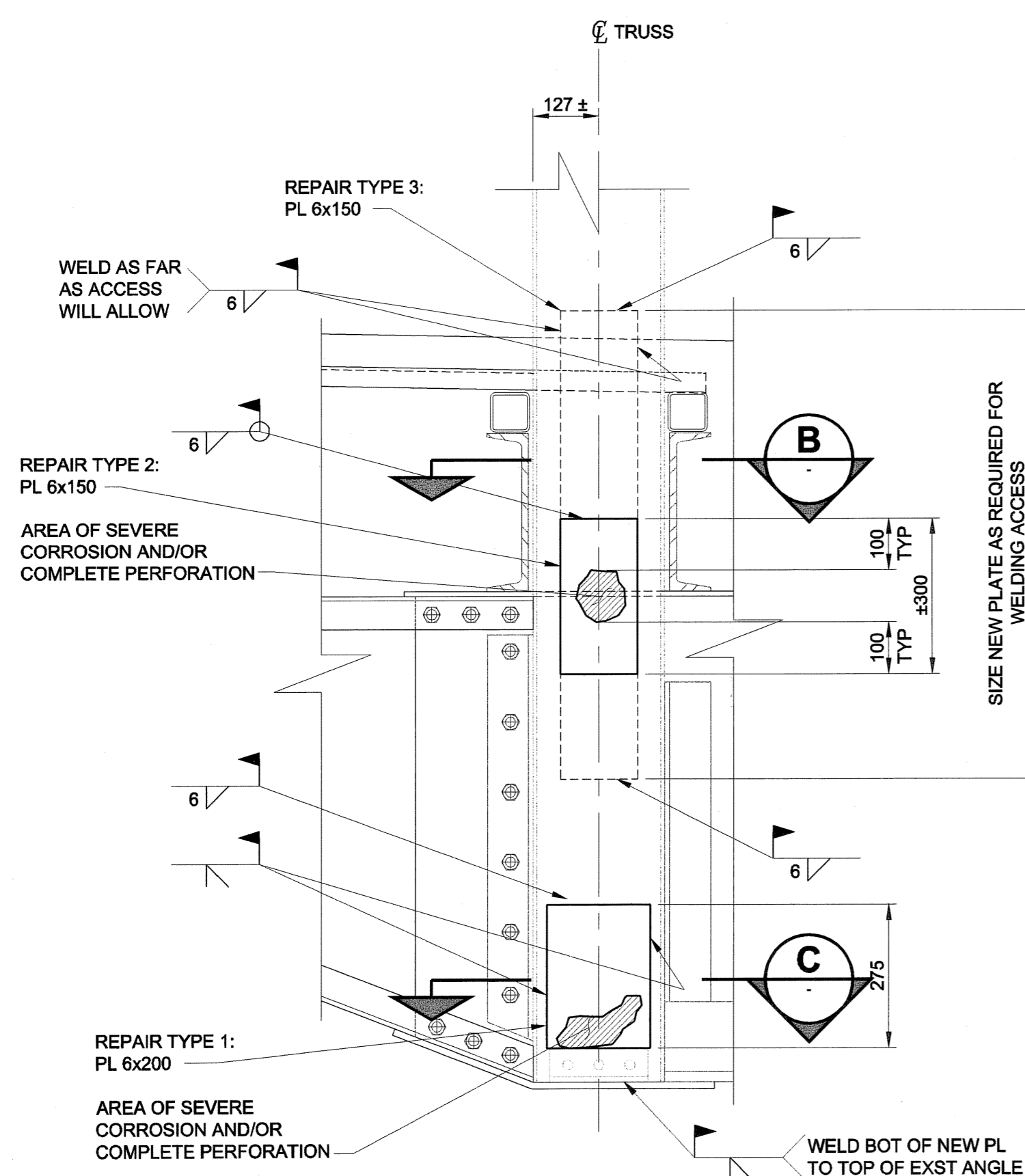


GENERAL PLAN

SCALE 1:300

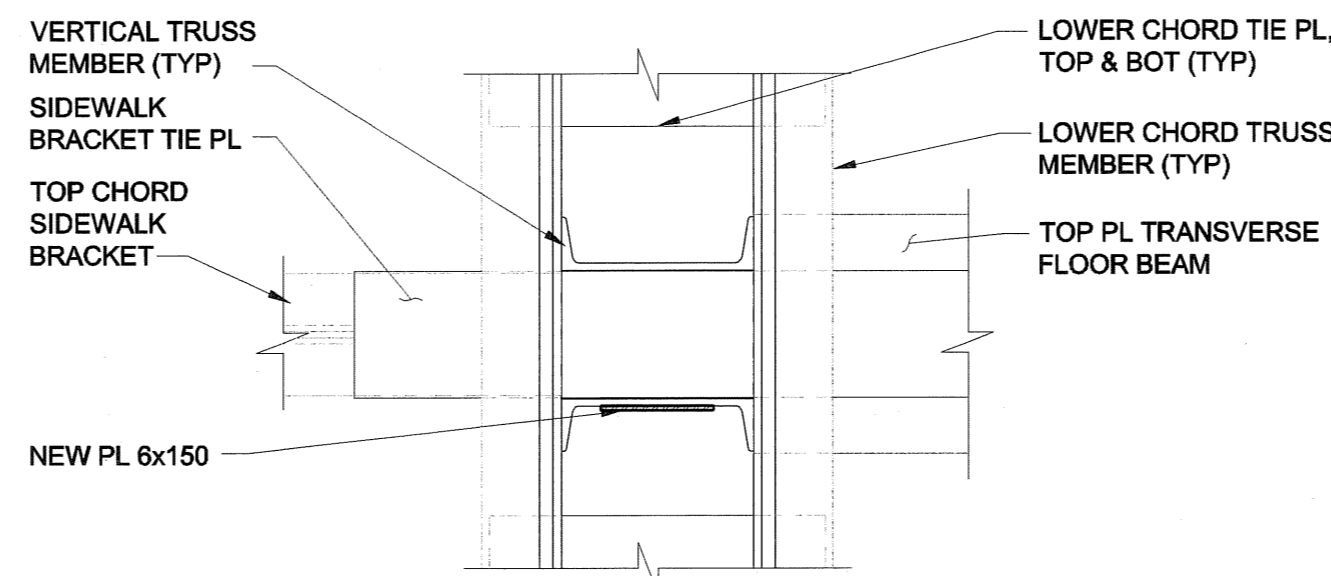
DRAWING NOTES

1. ALL STEEL SHALL CONFORM TO CSA-G40.21 1998, GRADE 350 W AND SHALL BE GALVANIZED TO CSA G164-M92 "HOT DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES" AFTER FABRICATION.
2. BOLTS SHALL BE M20 A325, TYPE 1 AND SHALL BE GALVANIZED. BOLT THREADS SHALL BE EXCLUDED FROM THE SHEAR PLANES OF ANY SURFACES.
3. ALL WELDING SHALL BE IN ACCORDANCE WITH CSA W59-M1989 "WELDED STEEL CONSTRUCTION".
4. FABRICATORS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W47.1-92 "CERTIFICATION OF COMPANIES FOR FUSION OF STEEL STRUCTURES".
5. UNLESS OTHERWISE NOTED, THE MINIMUM FILLET WELDS SHALL BE:
6mm FOR PLATE <= 20mm THICK
8mm FOR PLATE > 20mm THICK
6. THE CONTACT SURFACES OF BOLTED PARTS SHALL BE HOT DIP GALVANIZED OR ZINC METALLIZED AND THEN HAND WIRE BRUSHED.
7. THE DIMENSIONS AND MEMBER SIZES SHOWN ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS AND FIELD OBSERVATIONS WHICH MAY OR MAY NOT REPRESENT ACTUAL CONDITIONS. CONTRACTOR SHALL FIELD MEASURE COMPONENTS PRIOR TO FABRICATION OF REPAIR MATERIALS TO ENSURE A PROPER FIT.
8. BOLT HOLES IN REPLACEMENT COMPONENTS MAY BE FIELD DRILLED TO A MAXIMUM OF 2mm LARGER THAN THE NOMINAL BOLT DIAMETER.
9. ALL REPAIR AREAS REQUIRE SURFACE PREPARATION AND PAINTING. SEE SPECIFICATION FOR DETAILS.
10. TYPES OF REPAIR AT EACH SIDEWALK BRACKET LOCATION SHALL BE DETERMINED BY THE CONTRACT ADMINISTRATOR.



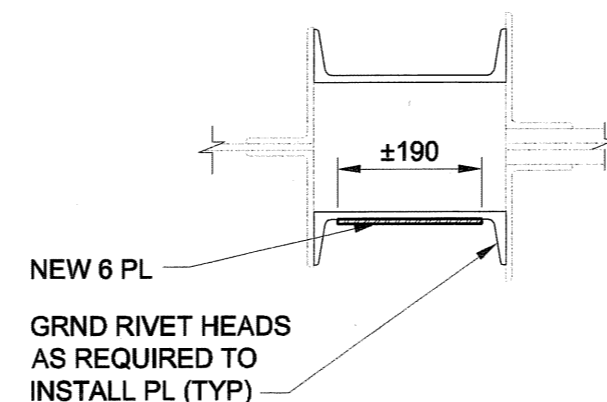
SECTION A

SCALE 1:10
VERTICAL TRUSS MEMBER REPAIR DETAIL:
REPAIR TYPE 3 TO BE USED IN LIEU OF REPAIR TYPE 2 WHERE ACCESS FOR A PROPER WELD IS POOR.



SECTION B

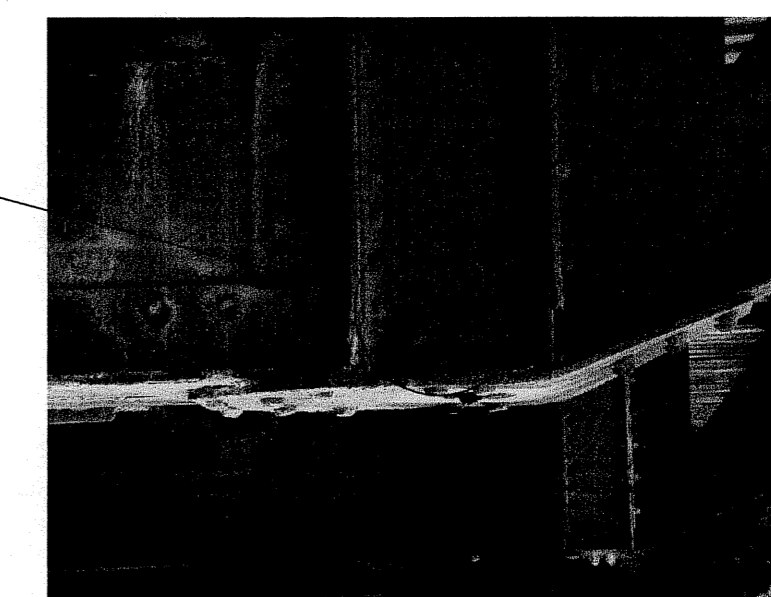
SCALE 1:10



SECTION C

SCALE 1:10

REFER TO SECTION 'A',
REPAIR TYPE 1



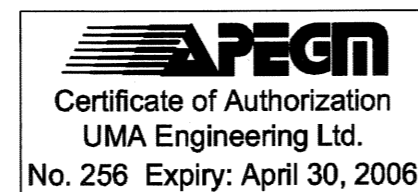
PHOTOGRAPH OF TRUSS VERTICAL MEMBER REPAIR

SCALE 1:10

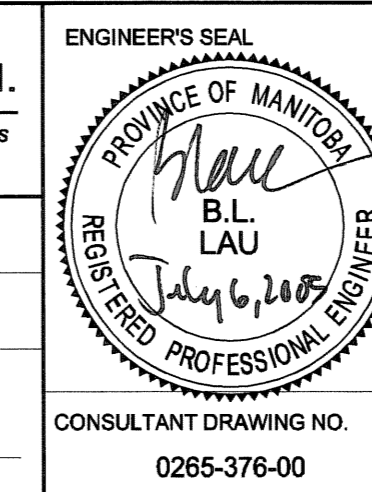
NOTE:

ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE BASED ON AVAILABLE INFORMATION AND RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD MEASURE AND VERIFY ALL DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OR PRIOR TO PREPARATION OF SHOP DRAWINGS. THE CONTRACTOR SHALL MAKE THE APPROPRIATE ADJUSTMENTS TO THE APPLICABLE DETAILS AND DIMENSIONS ACCEPTABLE TO THE CONTRACT ADMINISTRATOR. THE CONTRACTOR SHALL THEN FABRICATE AND CONSTRUCT THE WORKS IN ACCORDANCE WITH THE CORRECTED DIMENSIONS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



UMA UMA Engineering Ltd. • Consulting • Engineering • Construction • Management Services	
DESIGNED BY: BLL	CHECKED BY: SBB
DRAWN BY: CGC	APPROVED BY: <i>BuB</i>
HOR. SCALE: AS SHOWN	ACCEPTED BY: <i>meil</i>
VERT. SCALE: AS SHOWN	DATE: 2005 07 07
NO. REVISIONS	DATE
0 ISSUED FOR CONSTRUCTION	05/07/05 MP
NO. REVISIONS	YYMMDD BY



THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

REDWOOD BRIDGE
REHABILITATIVE MAINTENANCE AND
RELATED WORKS

MISCELLANEOUS BRIDGE REPAIRS
PLAN, SECTIONS AND DETAILS

CITY DRAWING NUMBER: B113-05-80
SHEET 60 OF 74
REV 60 0

CONSULTANT DRAWING NO. 60
0265-376-00

Bid Opportunity No. 257-2005

PLOT DATE: 05/07/05
 PLOT BY: CGC
 PLOT NO: 11018
 PLOT DATE: 05/07/05
 PLOT BY: CGC
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