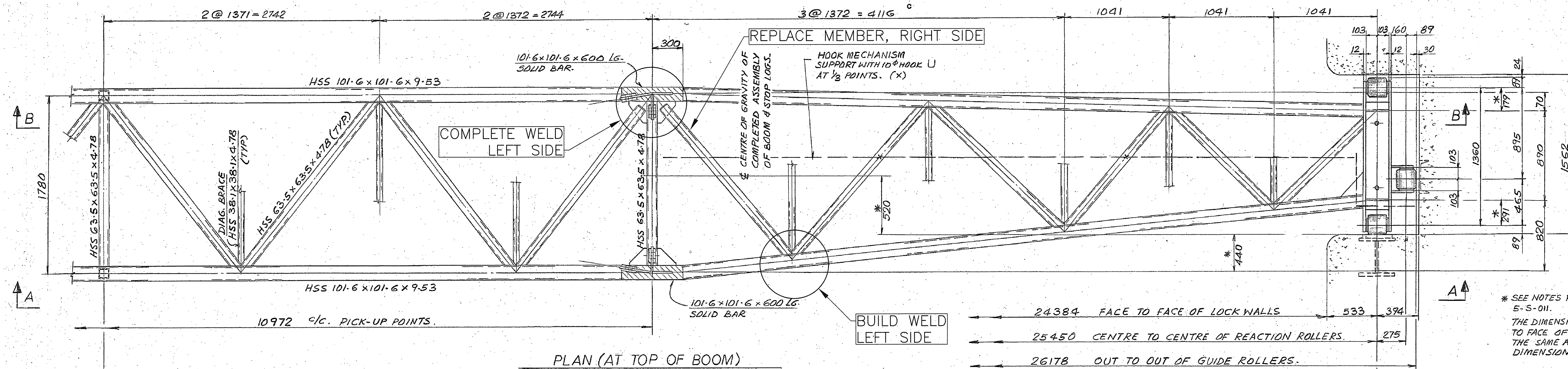
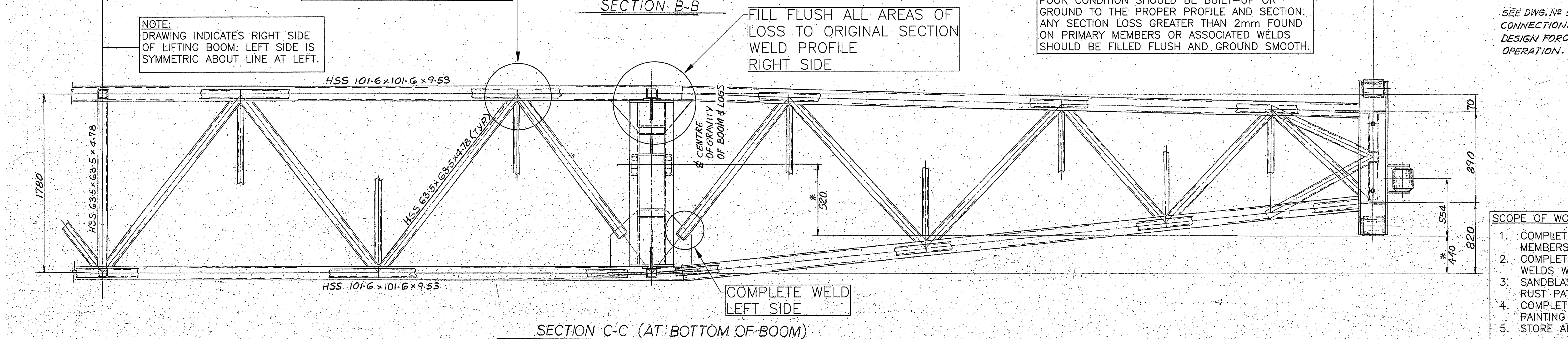
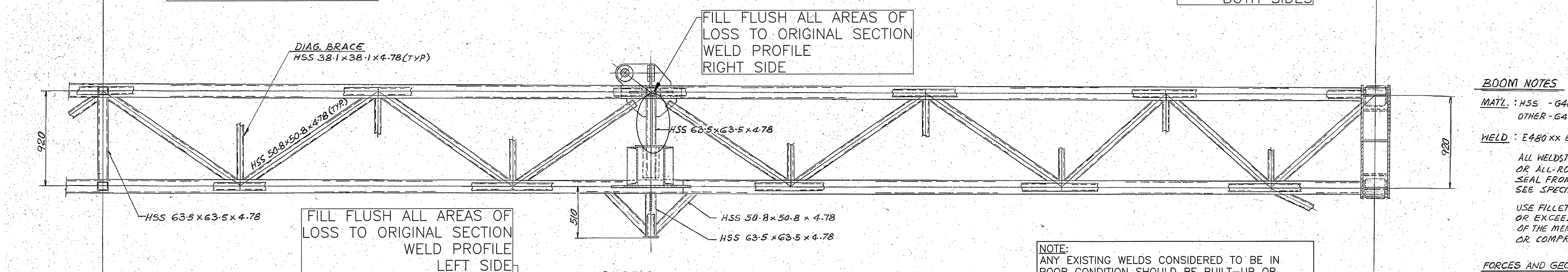
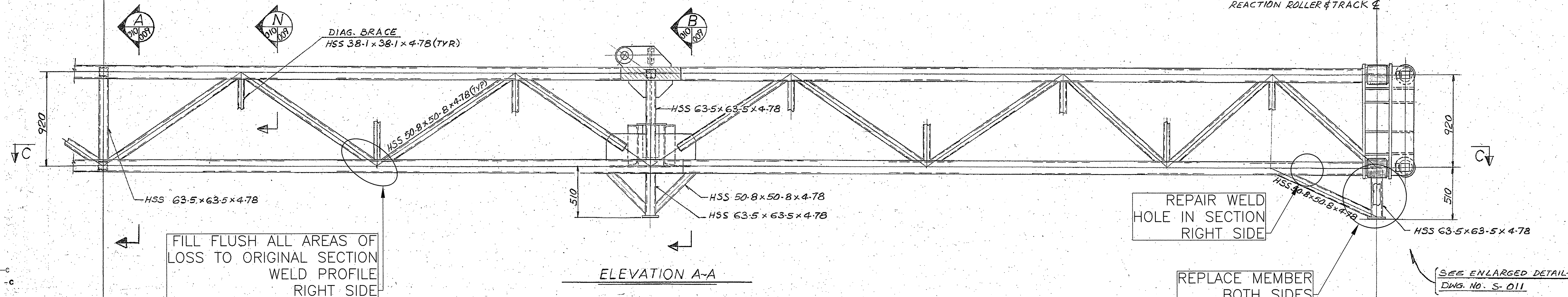


**SHM**  
CANADA  
INNOVATIVE ENGINEERING AND DESIGN



\* SEE NOTES REF. DIM. ON DRG. 5-S-011.  
THE DIMENSIONS FROM C.G. OF BOOM TO FACE OF REACTION ROLLER TO BE THE SAME AS CORRESPONDING DIMENSION ON STOP LOG.



#### BOOM NOTES

MAT'L : HSS - G40.21M - 350 W-H  
OTHER - G40.21M - 350 W

WELD : E480 XX ELECTRODE

ALL WELDS TO BE CONTINUOUS  
OR ALL-ROUND TO ENSURE COMPLETE  
SEAL FROM WATER PENETRATION.  
SEE SPECIFICATIONS.

USE FILLET LEG SIZE TO DEVELOP  
OR EXCEED THE WALL STRENGTH  
OF THE MEMBER IN TENSION  
OR COMPRESSION.

#### FORCES AND GEOMETRY:

SEE DWG. NO. 5-S-017  
CONNECTIONS TO EQUAL OR EXCEED  
DESIGN FORCES FOR EMERGENCY  
OPERATION.

NOTE:  
ANY EXISTING WELDS CONSIDERED TO BE IN  
POOR CONDITION SHOULD BE BUILT-UP OR  
GROUND TO THE PROPER PROFILE AND SECTION.  
ANY SECTION LOSS GREATER THAN 2mm FOUND  
ON PRIMARY MEMBERS OR ASSOCIATED WELDS  
SHOULD BE FILLED FLUSH AND GROUND SMOOTH.

NOTE:  
DRAWING INDICATES RIGHT SIDE  
OF LIFTING BOOM. LEFT SIDE IS  
SYMMETRIC ABOUT LINE AT LEFT.

SCALE : N.T.S.

#### SCOPE OF WORK

1. COMPLETE REPLACEMENT OF MEMBERS WHERE INDICATED.
2. COMPLETE OR AUGMENT WELDS WHERE INDICATED.
3. SANDBLAST AND CLEAN RUST PATCHES.
4. COMPLETE APPLICATION OF PAINTING SYSTEM.
5. STORE AFTER USE.

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project  
**BUILDING ENVELOPE  
IMPROVEMENT PROJECT  
CANSO CANAL  
PORT HASTINGS  
INVERNESS COUNTY, N.S.**

drawing design  
**LIFTING BOOM DETAILS**

designed V.L. conju  
date SEP. 2015  
drawn M.M. dessin  
date DEC. 2, 2015  
approved approuvé  
date  
Tender Soumission  
PWSC Project Manager Administrateur de Projets TPSGC  
project number no. du projet  
**R.076938.001**  
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**S39**