

0 ISSUED FOR TENDER 11/06/2015

revisions date

project

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

drawing dessin

BOOM ASSEMBLY

designed V.L. conçu

date SEP. 2015

drawn M.Z. dessiné

date DEC. 1, 2015

approved approuvé

date

Tender soumission

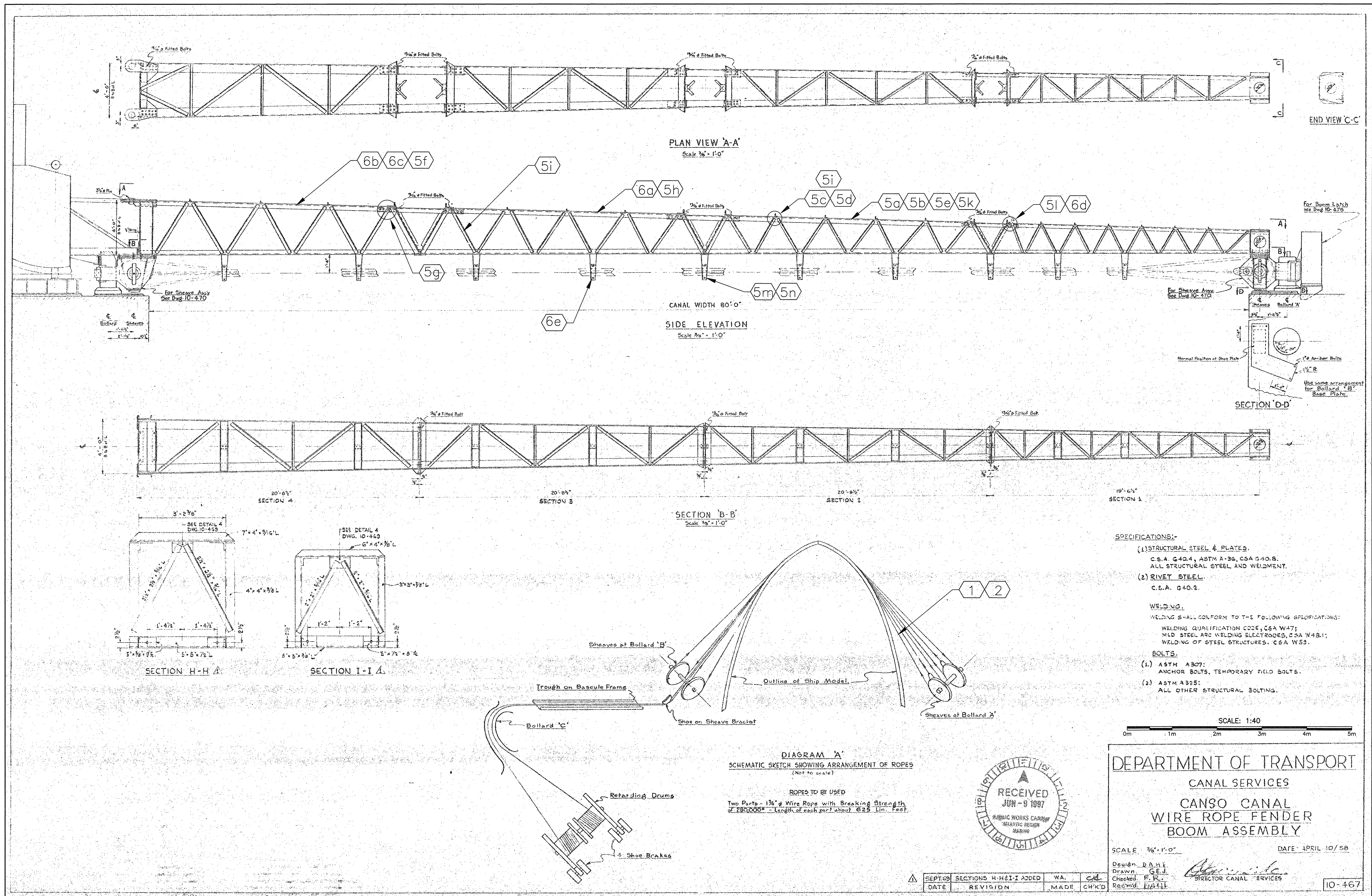
PWOSC Project Manager Administrateur des projets TPSOC

project number no. du projet

R.076938.001

drawing no. no. du dessin

S7



DETAILED SCOPE OF WORK

1. REMOVE AND DISPOSE OFF-SITE EXISTING STEEL WIRE ROPES AND ROPE ANCHORS S4 (10-464), S7 (10-467)
2. SUPPLY AND INSTALL NEW FENDER WIRE ROPES AND ROPE ANCHORS S4 (10-464), S5 (10-465), S17 (10-477)
5. BOOM ASSEMBLY - SOUTH S7 (10-467), S8 (10-468), S9, (10-469)
 - a. REMOVE BOOM ASSEMBLY
 - b. PRESSURE WASH, SANDBLAST, AND INSPECT BOOM FRAME SEGMENTS INCLUDING ALL JOINTS
 - c. PROVIDE INSPECTION REPORT SHOWING LOCATION AND NUMBER OF JOINTS REQUIRING WELD AUGMENTATION OR REPLACEMENT
 - d. AUGMENT JOINT WELDS WHERE NEEDED (ESTIMATED 30%)
 - e. SUPPLY AND APPLY AN EPOXY BASED, TWO COMPONENT MICROBIALY-INDUCED CORROSION RESISTANT COATING SYSTEM TO BOOM ASSEMBLY OFF-SITE IN CONTROLLED CONDITIONS
 - f. HAND OVER REFURBISHED SOUTH BOOM UNIT, AS NEW SPARE, TO CANSO CANAL AUTHORITY IN KNOCKED-DOWN CONDITION STACKED ON 200x200x1200 PRESSURE TREATED TIMBER BLOCKS AS SHOWN ON DRAWINGS S8 AND S9
 - g. SUPPLY ALL NECESSARY FASTENERS IN AN AIRTIGHT CONTAINER
 - h. PRESSURE WASH, SANDBLAST, AND INSPECT EXISTING SPARE BOOM FRAME SEGMENTS INCLUDING ALL JOINTS
 - i. REPAIR DAMAGED AND DEFORMED MEMBERS OF EXISTING SPARE BOOM
 - j. AUGMENT JOINT WELDS WHERE REQUIRED (ESTIMATED 10%)

5. CONTINUED:
 - k. SUPPLY AND APPLY AN EPOXY BASED, TWO COMPONENT MICROBIALY-INDUCED CORROSION RESISTANT COATING SYSTEM OFF-SITE UNDER CONTROLLED CONDITIONS
 - l. INSTALL NEW FASTENERS
 - m. REMOVE AND DISPOSE OFF-SITE CABLE CLAMP ASSEMBLIES INCLUDING STEEL PLATE HANGERS. RETAIN FIVE ASSEMBLIES REMOVED IN RELATIVELY BETTER CONDITION, CLEAN, SANDBLAST, COAT, AND HAND OVER TO CANSO CANAL STAFF AS SPARE
 - n. INSTALL NEW CABLE CLAMP ASSEMBLIES INCLUDING STEEL PLATE HANGERS
6. BOOM ASSEMBLY - NORTH S7 (10-467), S8 (10-468), S9 (10-469)
 - a. REMOVE AND DISPOSE OFF-SITE EXISTING BOOM ASSEMBLY
 - b. SUPPLY ONE NEW BOOM UNIT
 - c. SUPPLY AND APPLY AN EPOXY BASED, TWO COMPONENT MICROBIALY-INDUCED CORROSION RESISTANT COATING SYSTEM OFF-SITE UNDER CONTROLLED CONDITIONS
 - d. INSTALL NEW FASTENERS
 - e. INSTALL NEW CABLE CLAMP ASSEMBLIES INCLUDING STEEL PLATE HANGERS

	NORTH BOOM UNIT	SOUTH BOOM UNIT	SPARE BOOM UNIT
EXISTING STATE	NORTH BOOM	SOUTH BOOM	SPARE BOOM
REPAIR	DISPOSE NORTH BOOM	REFURBISH SOUTH BOOM	REFURBISH SPARE BOOM
AFTER REPAIRS	NEW BOOM	REFURBISHED SPARE BOOM	REFURBISHED SOUTH BOOM