

SHM
CANADA
INNOVATIVE ENGINEERING AND DESIGN

0 ISSUED FOR TENDER 11/06/2015

revisions date

project

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

drawing dessin

SHEAVE ASSEMBLIES

designed V.L. conçu

date SEP. 2015

drawn M.Z. dessiné

date NOV. 25, 2015

approved approuvé

date

Tender soumission

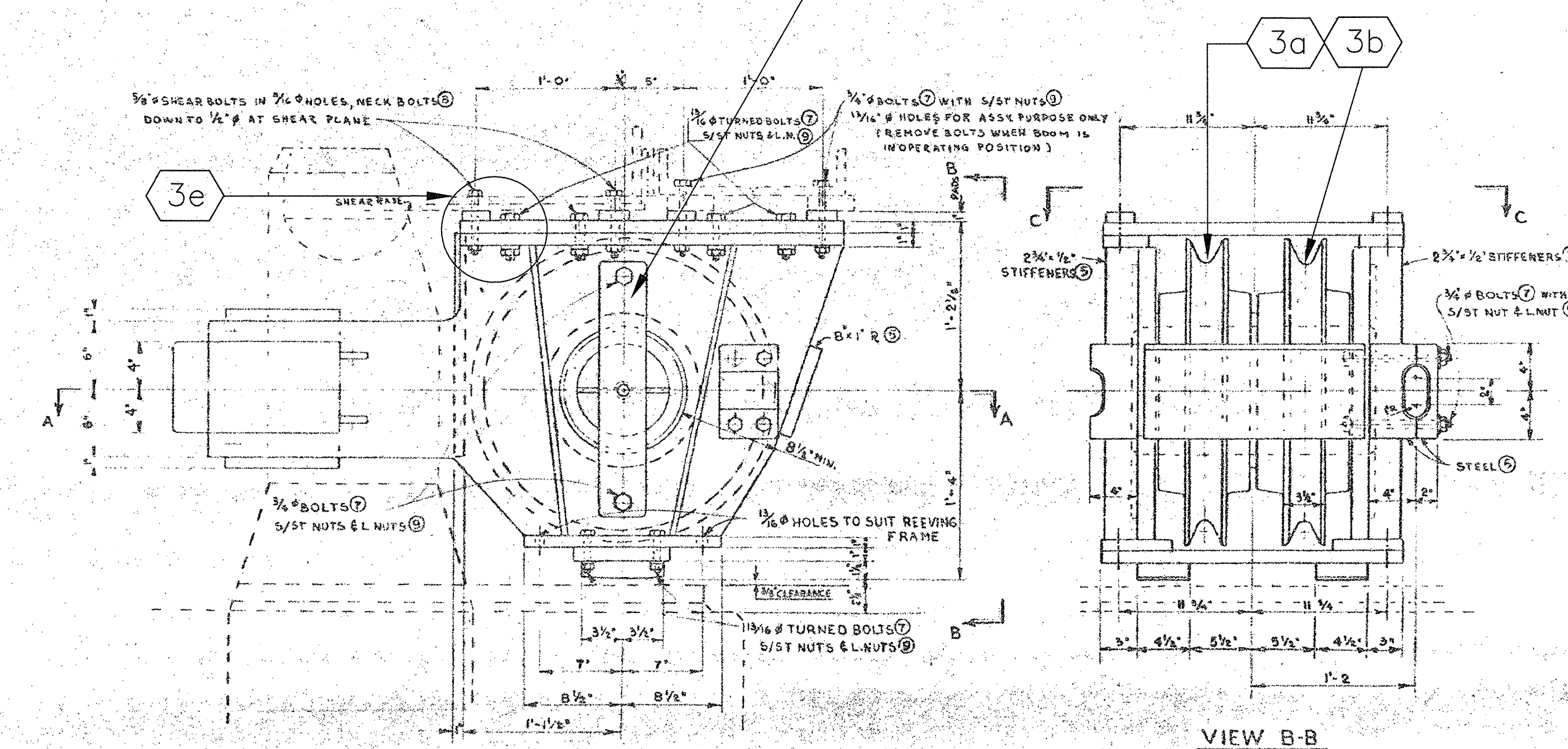
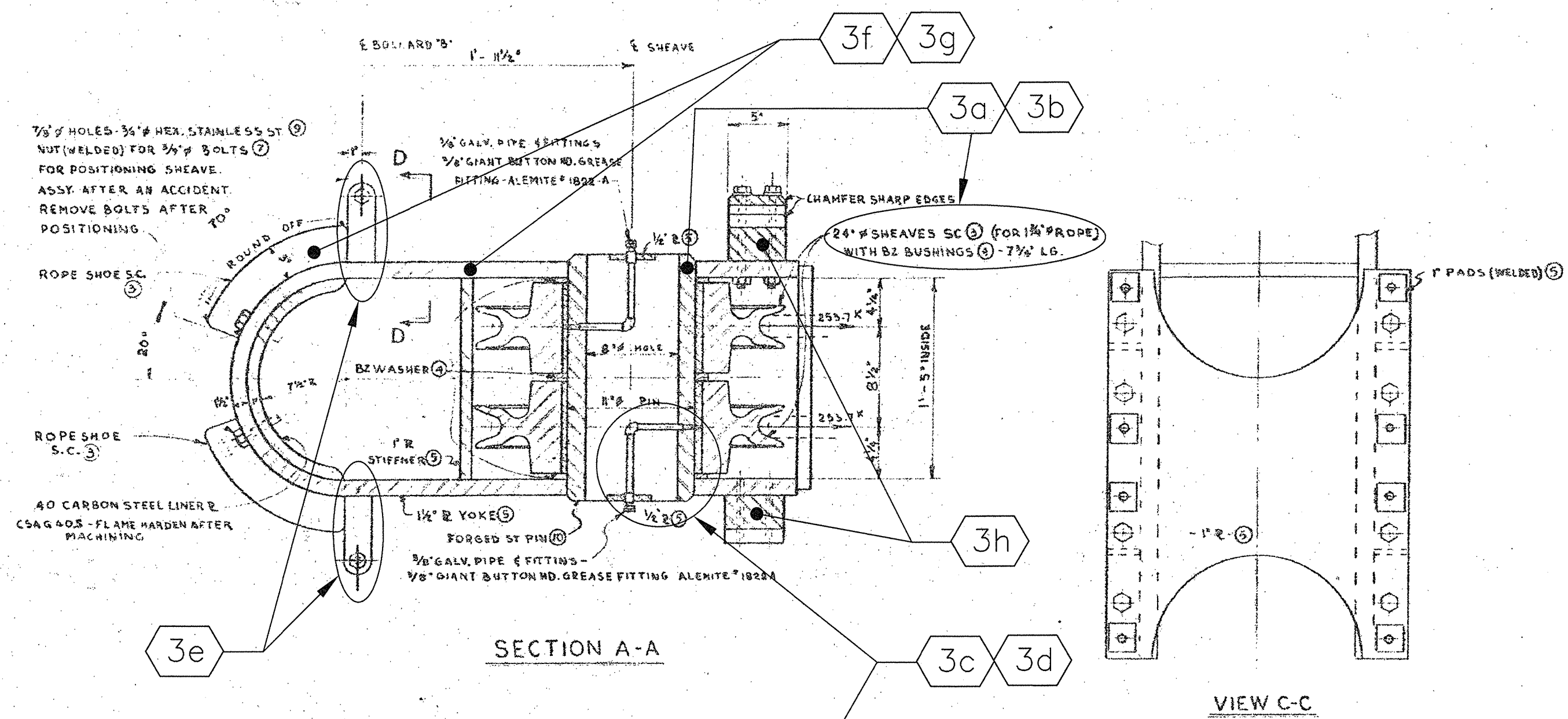
PWGS Project Manager Administrateur de projets TPSGC

project number no. du projet

R.076938.001

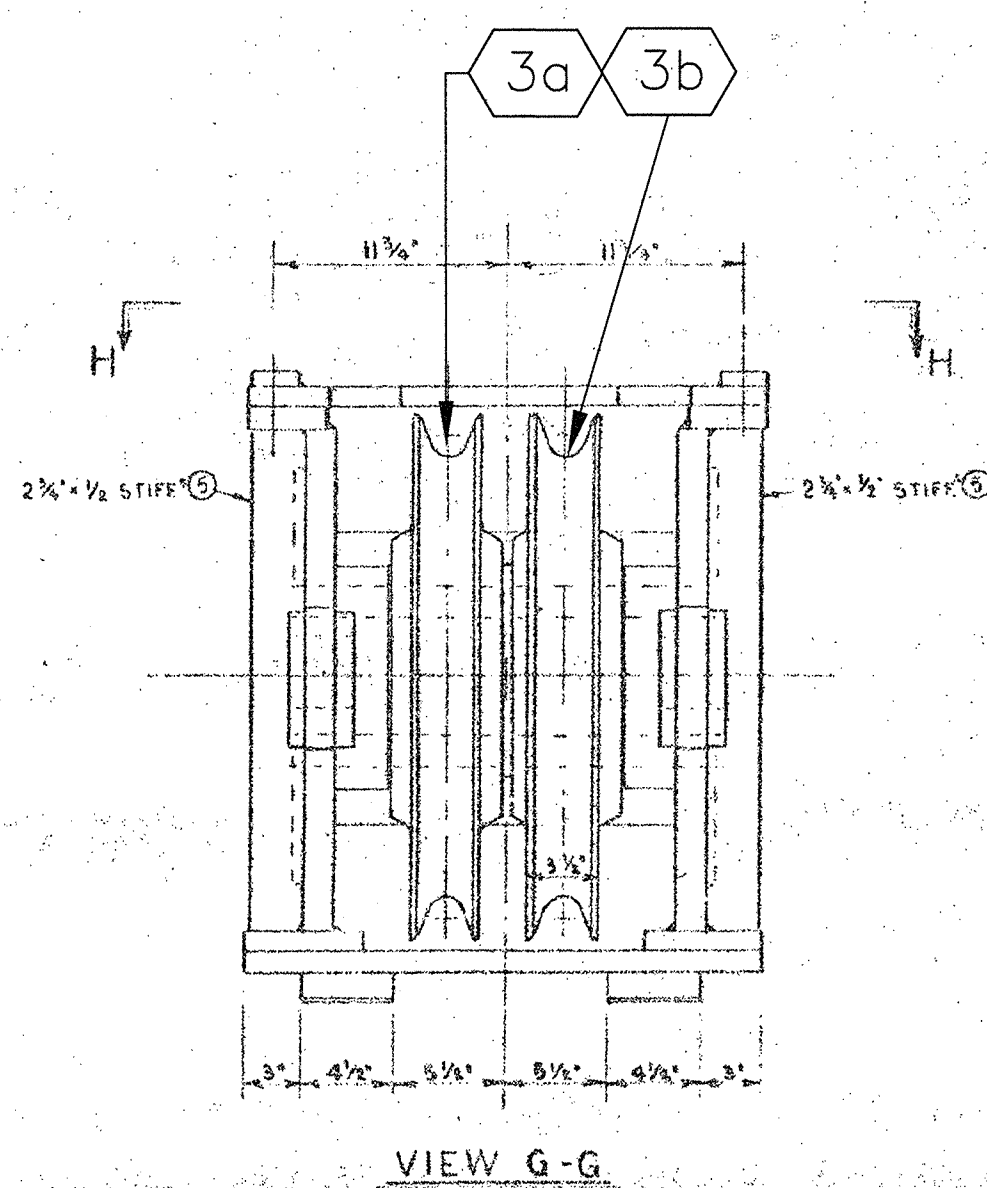
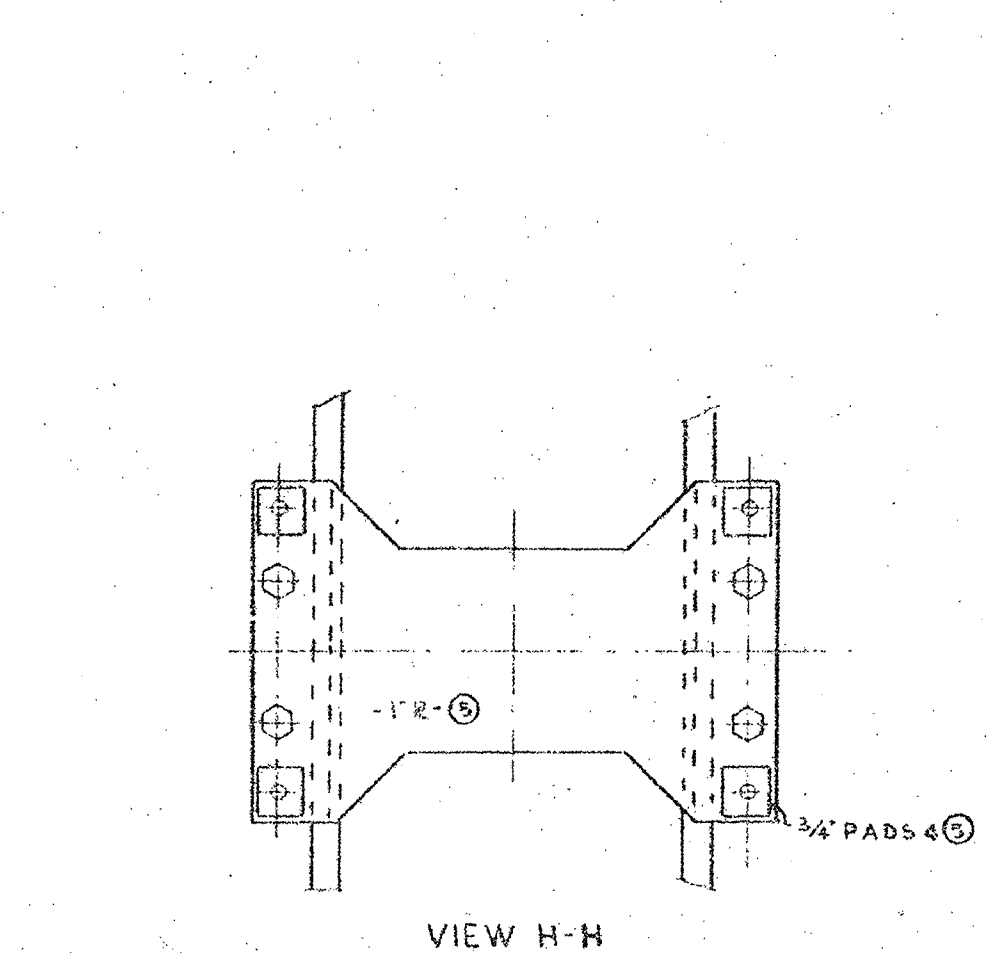
drawing no. no. du dessin

S10

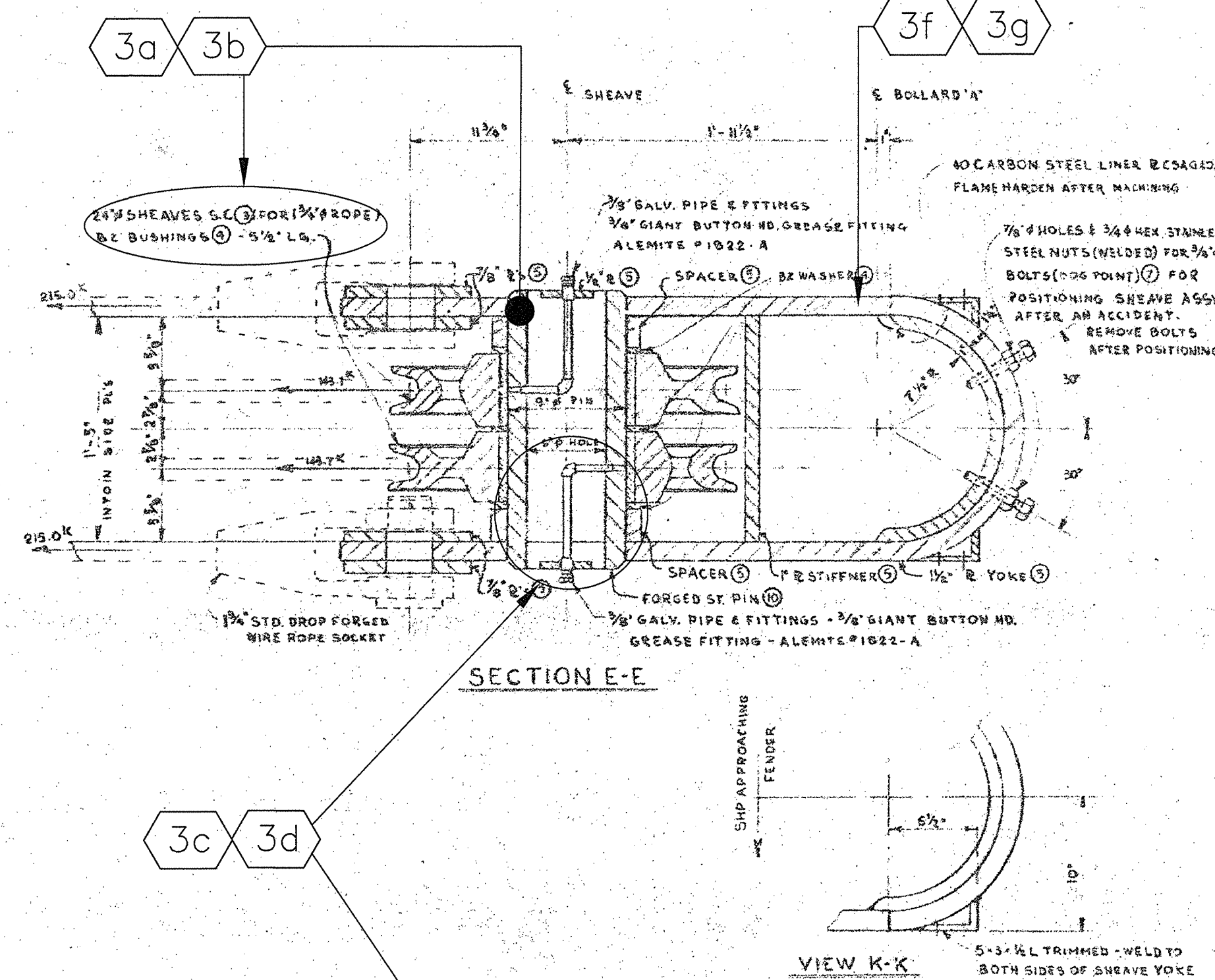


SHEAVE ASSEMBLY AT BOLLARD "B"

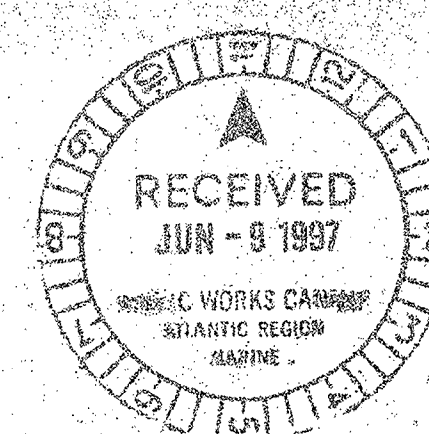
- NOTES:**
- SHEAVES TO BE GROOVED TO SUIT 1 1/2" PREFORMED IMPROVED LOW REGULAR LAY 6X19 WITH LWR C WIRE ROPE.
 - ROPE LOADS SHOWN ARE MAX. POSSIBLE LOADS WITH RETARDING DRUMS SET AT 28000 LBS EACH & USING MAX. FRICTION FACTORS - TYPED POSSIBLE.
 - S.C. MEANS STEEL CASTING, CSA G 93, MED. GR 70.56
 - S.Z. MEANS BRONZE ALLOY B ASTM B 22
 - STRUCTURAL STEEL CSA G 40.4 - 1950
 - MINIMUM WELD SIZE 1/2"
 - BOLTS STEEL SAE 3140
 - SHEAR BOLTS ENUTS - RIVET STEEL CSA G 40.2
 - NUTS - 5/8" ASTM A-276-49T TYPE 416
 - FORGED STEEL ASTM A 274-54 SAE 3140



VIEW G-G



SHEAVE ASSEMBLY AT BOLLARD "A"



SCALE: 1:10
0mm 100 200 300 400 500 600 700 800 900 1000mm

DEPARTMENT OF TRANSPORT
CANAL SERVICES
CANSO CANAL
WIRE ROPE FENDER
SHEAVE ASSEMBLIES

SCALE: 1/4" = 1'-0" DATE: MAY 15/1998

DESIGN: DAN C
DRAWN: J.V.
CHKD: R.
REC'D: DAN C

10-470

DATE	REVISION	MADE	CHKD

DETAILED SCOPE OF WORK

- BOLLARD A AND BOLLARD B - S10 (10-470) (NORTH AND SOUTH)
 - REMOVE AND DISPOSE OFF-SITE EXISTING SHEAVES, BRONZE BUSHINGS AND CAST STEEL PINS
 - SUPPLY AND INSTALL NEW SHEAVES AND BRONZE BUSHINGS
 - REMOVE AND DISPOSE OFF-SITE EXISTING GREASING NIPPLES, TUBES AND STEEL PLATES
 - SUPPLY AND INSTALL NEW GREASING NIPPLES, TUBES AND STEEL CLAMP PLATES (8 SETS)
 - REPLACE ALL FASTENERS AND PINS
 - SANDBLAST, CLEAN AND INSPECT SHEAVE ASSEMBLY BLOCK.
 - SUPPLY AND APPLY AN EPOXY BASED, TWO COMPONENT MICROBIAL-INDUCED CORROSION RESISTANT COATING TO SHEAVE ASSEMBLY BLOCK. SPECIAL ATTENTION TO BE PAID TO INNER SURFACE OF YOKE, AND ROPE SHOES
 - SANDBLAST, CLEAN AND REINSTALL CABLE CLAMPS AND CLAMPING BLOCK
 - SANDBLAST/ AND CLEAN BOLLARD SHAFTS S15 (10-475), SUPPLY AND APPLY AN EPOXY BASED TWO COMPONENT MICROBIAL-INDUCED CORROSION RESISTANT COATING TO LOWER SHAFT SURFACE
 - REMOVE CORRODED ANCHOR BOLTS AND NUTS FROM SHEAVE ASSEMBLY SUPPORT PLATES S3 (10-465)
 - SUPPLY AND INSTALL NEW ANCHOR BOLTS, NUTS, WASHERS TO REPLACE CORRODED AND MISSING ANCHOR BOLTS FOR SHEAVE ASSEMBLY SUPPORT PLATES S5 (10-465)