GENERAL NOTES

UNDER NO CIRCUMSTANCES ARE THESE DRAWINGS TO BE SCALED.

- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST VERSION OF THE ONTARIO BUILDING CODE (OBC) INCLUDING ALL THE LATEST STANDARDS REFERENCED WITHIN.
- 3. ALL DRAWINGS ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT. 4. CONTRACTOR/STEEL FABRICATOR IS REQUIRED TO FIELD MEASURE THE STRUCTURE PRIOR TO FABRICATION. ANY DISCREPANCIES
- SHALL BE REPORTED TO THE ENGINEER.
- CONTRACTOR TO CHECK AND VERIFY ALL STRUCTURAL DIMENSIONS BEFORE COMMENCING WORK AND TO REPORT ANY DISCREPANCIES TO THE ENGINEER. FAILURE TO DO SO WILL CAUSE FORFEIT TO ANY CLAIM.

DESIGN LOADS

SNOW (Ss) / RAIN (Sr): WIND (q50): 1.3 / 0.4 kPa 0.45 kPa 3. | FLOOR LIVE LOAD (L): 3.6 kPa FLOOR LOAD FROM EMPTY TRAP STORAGE (L): 1.85 kPa MAX CRANE LOAD ON MONORAIL (L): 2,982 kg (29.25 kN)

STRUCTURAL SCHEDULE

B1 W14x34 STRUCTURAL STEEL BEAM W/ A C12x20.7 CAP

W8x24 STRUCTURAL STEEL BEAM

COL1.x HSS 6x6x3/8 COLUMN W/ 8"x16"x3/4" THK. BASE PLATE

4"x4"x1/4" ANGLE BRACE W/ 8"x12"x1/2" THK. BASE PLATE

PROJECT SPECIFIC NOTES

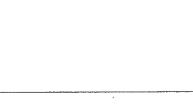
- 1. ALL EXPANSION ANCHORS TO BE POWER-BOLT ANCHORS BY POWERS FASTENERS, OR AN ENGINEER APPROVED EQUIVALENT.
 2. STAINLESS STEEL HINGE SIZES MAY BE SPEC'D BY OWNER/PROVIDER. DETAILS OF HINGE SELECTION NEED NOT BE SUBMITTED
- TO THE ENGINEER.

 3. FLOOR GRATING TO BE MCNICHOLS GAL-150A ALUMINUM GRATING (1 1/2" DEEP, 2.5 P.S.F.) OR AN ENGINEER APPROVED
- EQUIVALENT.
- 4. HOIST SPECIFICATIONS: - ELECTRIC HOIST: VULCAN L10A02 ELECTRIC HOIST (5T CAPACITY)
- MANUAL HOIST: VULCAN VB5T CHAIN BLOCK (5T CAPACITY) - TROLLEY FOR ELECTRIC HOIST: VULCAN VPT5T TROLLEY (5T CAPACITY)
- HOIST CHAIN LENGTH TO ALLOW FOR MINIMUM 7'-0" LIFT HEIGHT

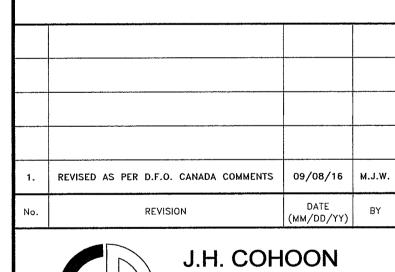
STRUCTURAL STEEL NOTES

- STRUCTURAL STEEL MUST CONFORM TO CSA S16.
- STRUCTURAL STEEL BEAMS AND COLUMNS SHALL CONFORM TO CSA G40.21, GRADE 350W U.N.O. STRUCTURAL STEEL CHANNELS, PLATE, & ANGLES MUST CONFORM TO CSA G40.21, GRADE 300W U.N.O.
- ALL H.S.S. SHALL CONFORM TO CSA G40.21, GRADE 350W, CLASS C U.N.O.
- STRUCTURAL BOLTS SHALL BE MADE OF GRADE A325 U.N.O. ANCHOR BOLTS SHALL CONFORM TO ASTM A307 U.N.O.
- ALL WELDING TO CONFORM TO C.W.B. APPROVED PROCEDURES. ALL WELDING TO BE CARRIED OUT BY WELDERS CERTIFIED BY THE
- C.W.B., EMPLOYED BY A FIRM CERTIFIED IN DIVISION 1 or 2. ALL BASE PLATES SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH CSA G164 U.N.O.
- TOUCH UP ALL FIELD WELDS BY APPLYING MIN. OF TWO COATS OF ZINC RICH PAINT. ALL STRUCTURAL STEEL TO BE RECIEVE ONE COAT OF SHOP PRIMER, AND ONE FIELD COAT OF EPOXY PAINT (3-4 MIL THICKNESS).
- DO NOT SPLICE OR CUT OPENING IN STRUCTURAL STEEL WITHOUT THE ENGINEER'S APPROVAL.











ENGINEERING LIMITED CONSULTING ENGINEERS

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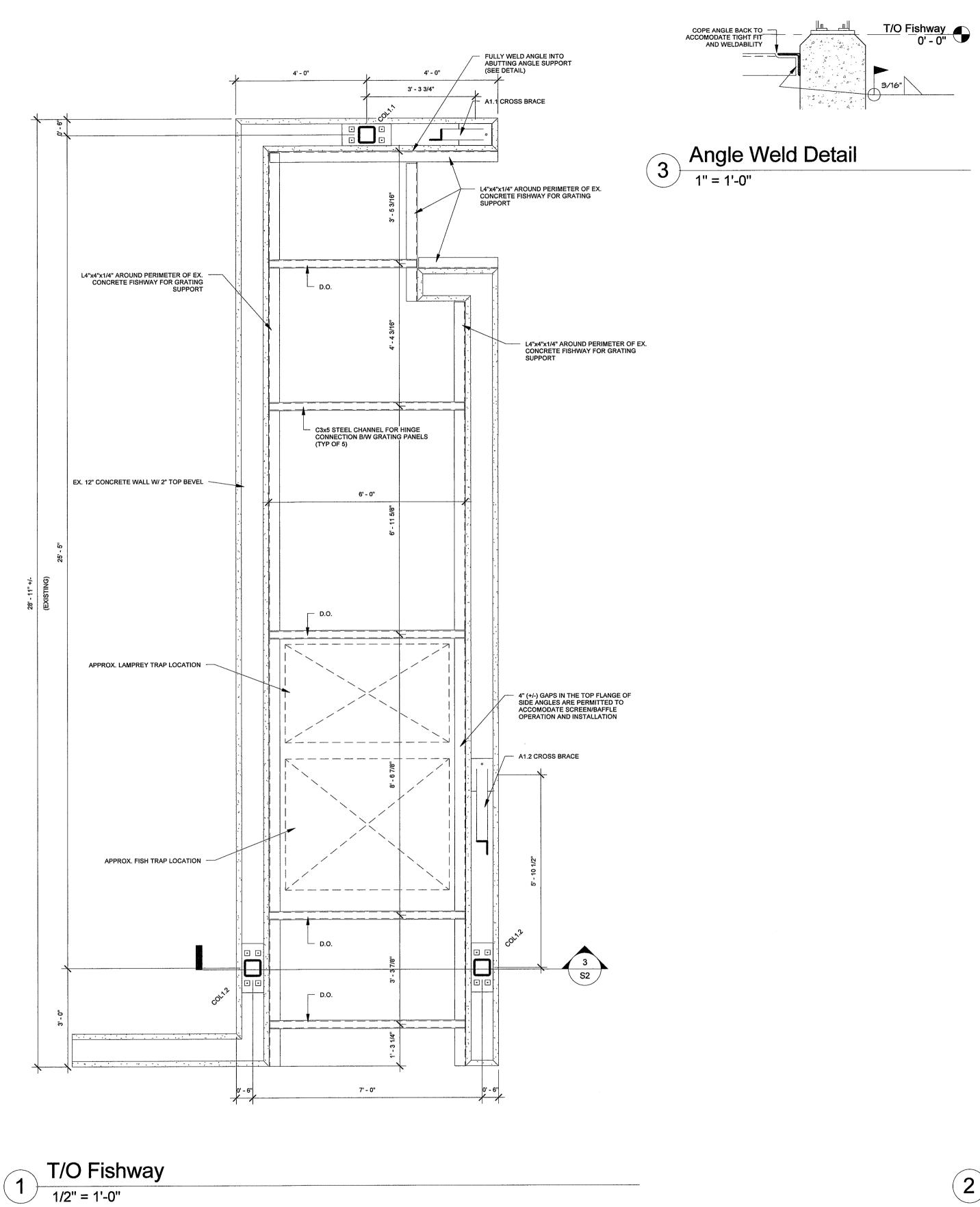
MONORAIL RE-DESIGN FOR BIG CREEK SEA LAMPREY BARRIER SITE MCDOWELL ROAD EAST NORFOLK COUNTY

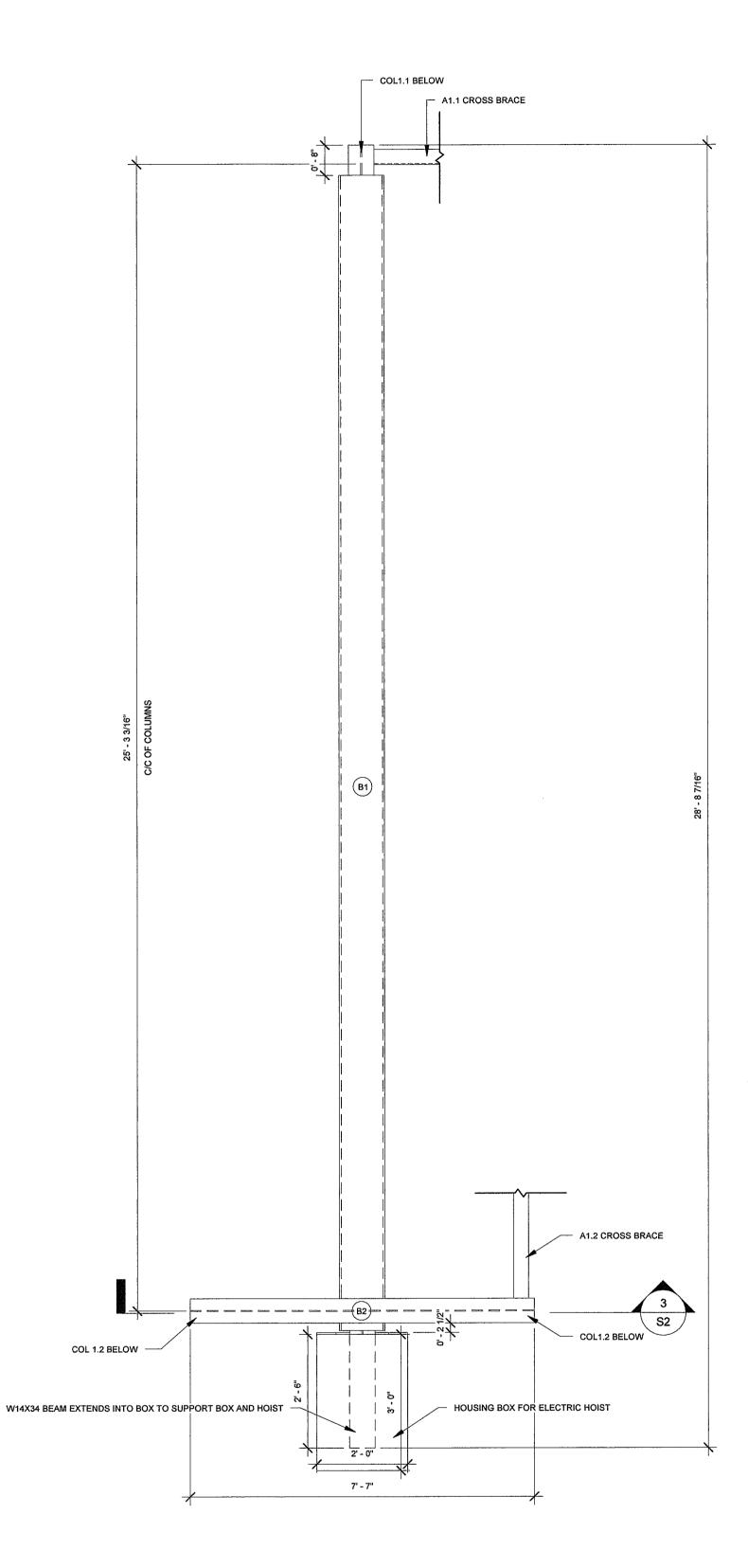
FISHERIES AND OCEANS CANADA

PROJECT NOTES

DESIGN:	M.J.W.	SCALE: AS SHOWN
DRAWN:	M.J.W.	JOB No:
CHECKED:	R.W.P.	11800
SHEET:	1 of 5	DWG. No:
DATE:	08/30/16	S0







7/O Monorail



1. REVISED AS PER D.F.O. CANADA COMMENTS 09/08/16 M.J.W.

No. REVISION DATE (MM/DD/YY) BY



J.H. COHOON
ENGINEERING
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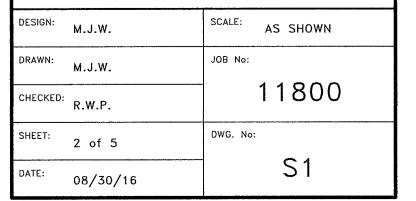
PROJECT

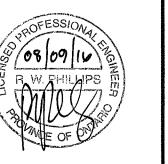
MONORAIL RE-DESIGN FOR
BIG CREEK SEA LAMPREY
BARRIER SITE
MCDOWELL ROAD EAST

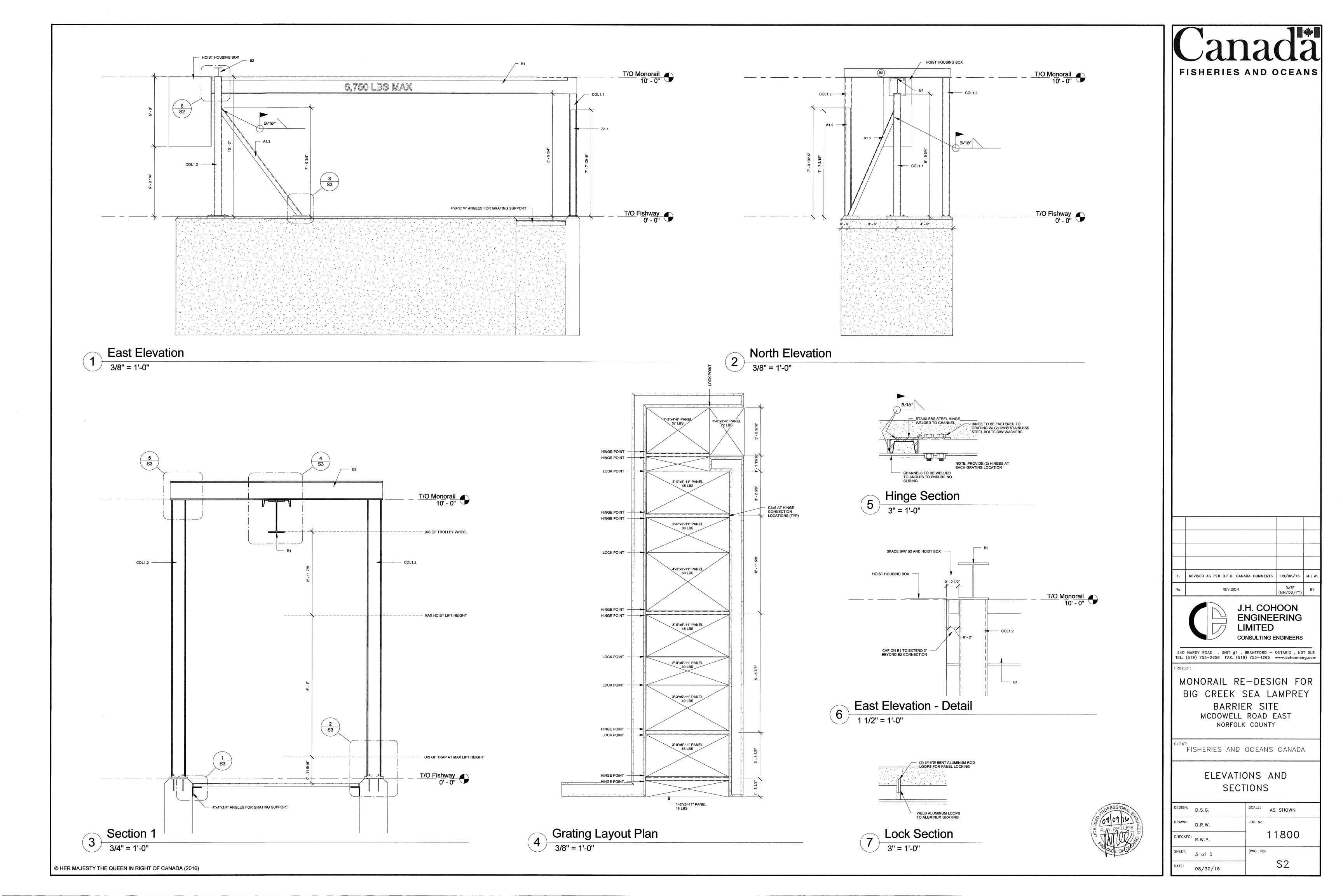
NORFOLK COUNTY

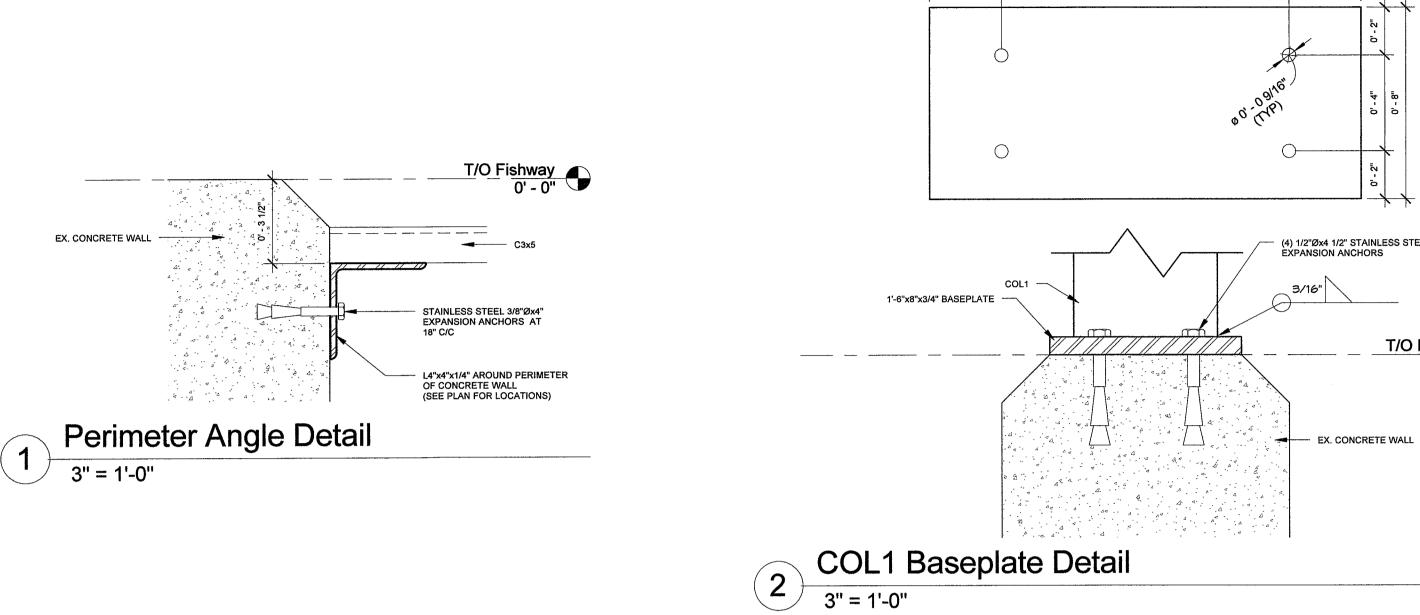
FISHERIES AND OCEANS CANADA

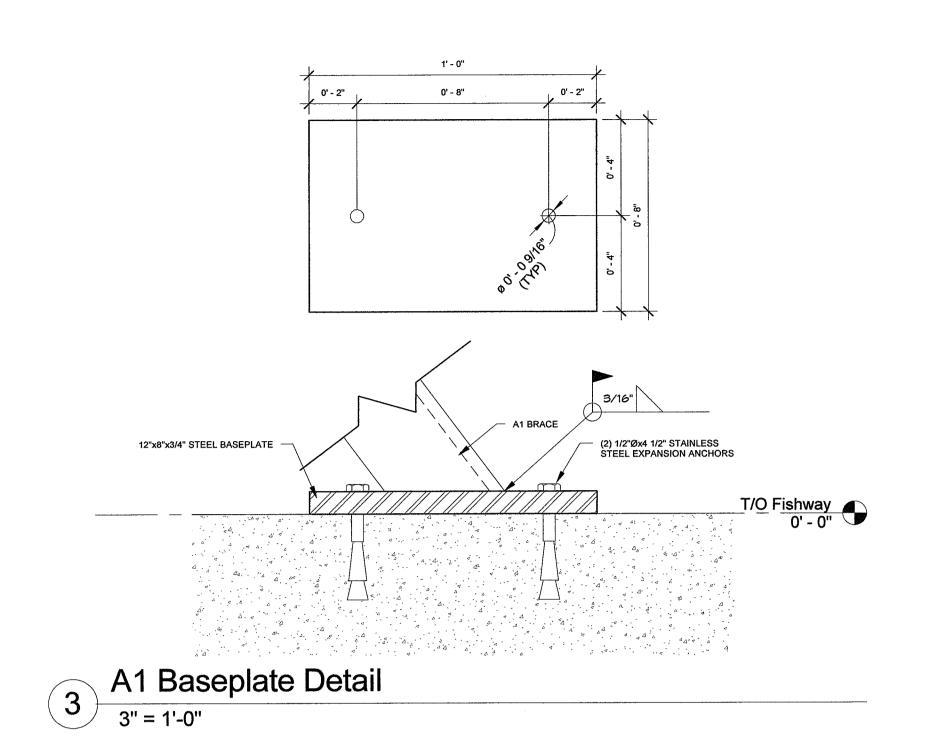
STRUCTURAL PLANS

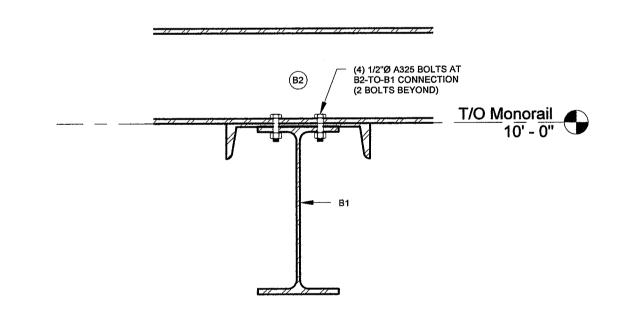




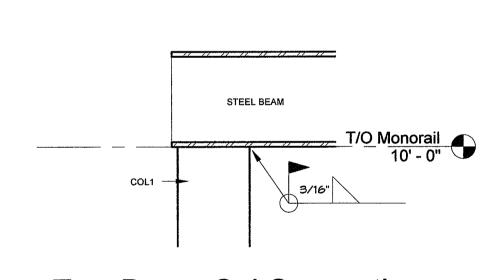








Bolted Beam Connection



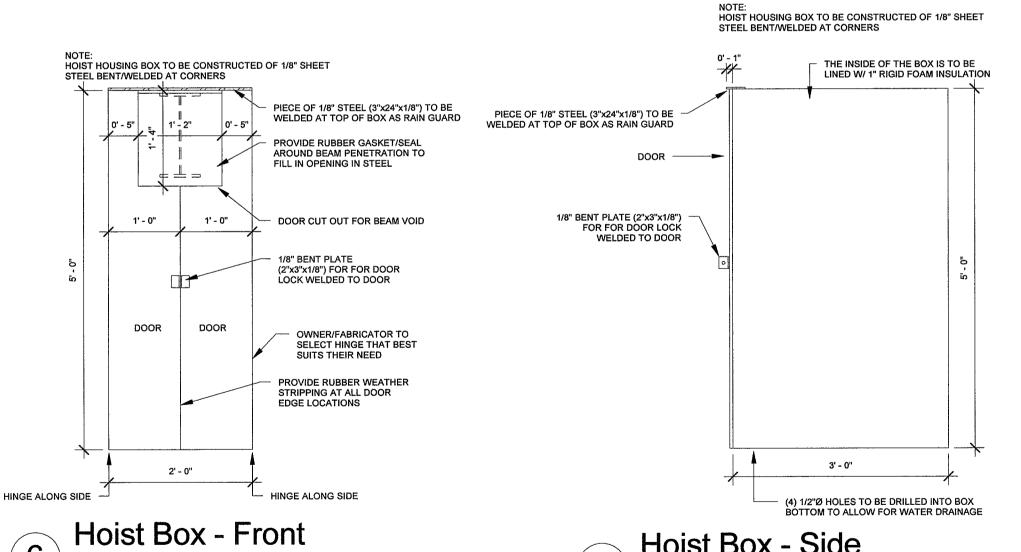
1' - 6"

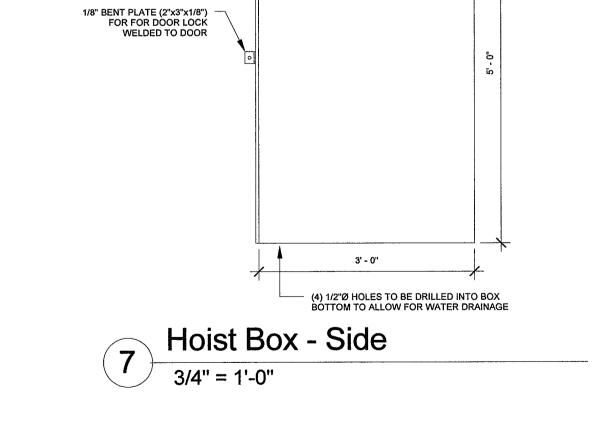
0' - 3"

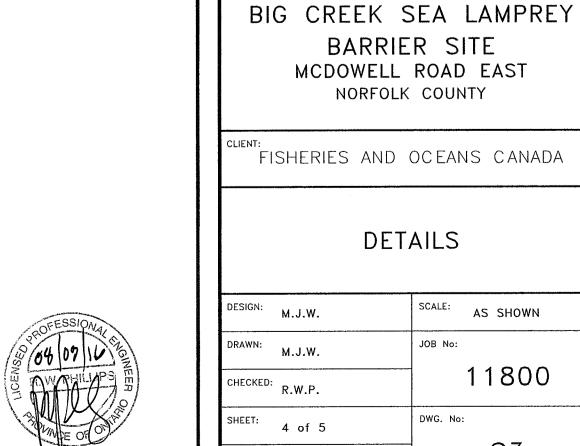
3/4" = 1'-0"

0' - 3"

Typ. Beam-Col Connection







DATE:

08/30/16

FISHERIES AND OCEANS

REVISED AS PER D.F.O. CANADA COMMENTS 09/08/16 M.J.W.

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MONORAIL RE-DESIGN FOR

J.H. COHOON

ENGINEERING

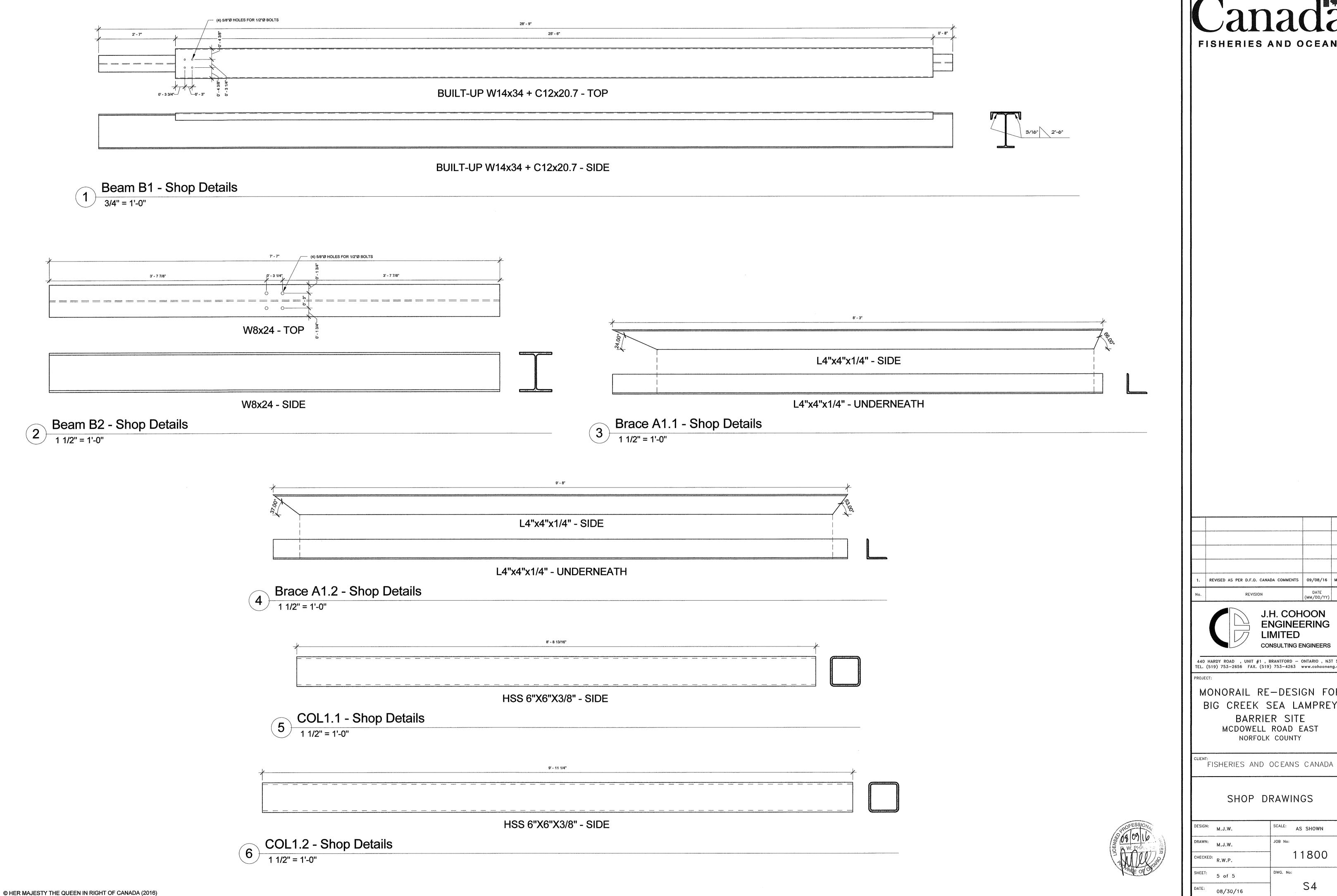
CONSULTING ENGINEERS

S3

REVISION

DATE BY







REVISED AS PER D.F.O. CANADA COMMENTS DATE BY (MM/DD/YY)

> J.H. COHOON ENGINEERING CONSULTING ENGINEERS

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MONORAIL RE-DESIGN FOR BIG CREEK SEA LAMPREY BARRIER SITE

NORFOLK COUNTY

SHOP DRAWINGS

DESIGN:	M.J.W.	SCALE: AS SHOWN
DRAWN:	M.J.W.	JOB No:
CHECKED:	R.W.P.	11800
SHEET:	5 of 5	DWG. No:
DATE:	09/70/16	S4