FISHERIES AND OCEANS



LIGHT TOWER REFURBISHMENT CAPE SPEAR

CAPE SPEAR, NL

PROJECT NO.: F6879-159002 ISSUED FOR TENDER

DATE: MARCH 11, 2015

CLIENT/OWNER:

DEPARTMENT OF FISHERIES & OCEANS, REAL PROPERTY, SAFETY & SECURITY

PRIME CONSULTANTS:

AFN ENGINEERING INC.

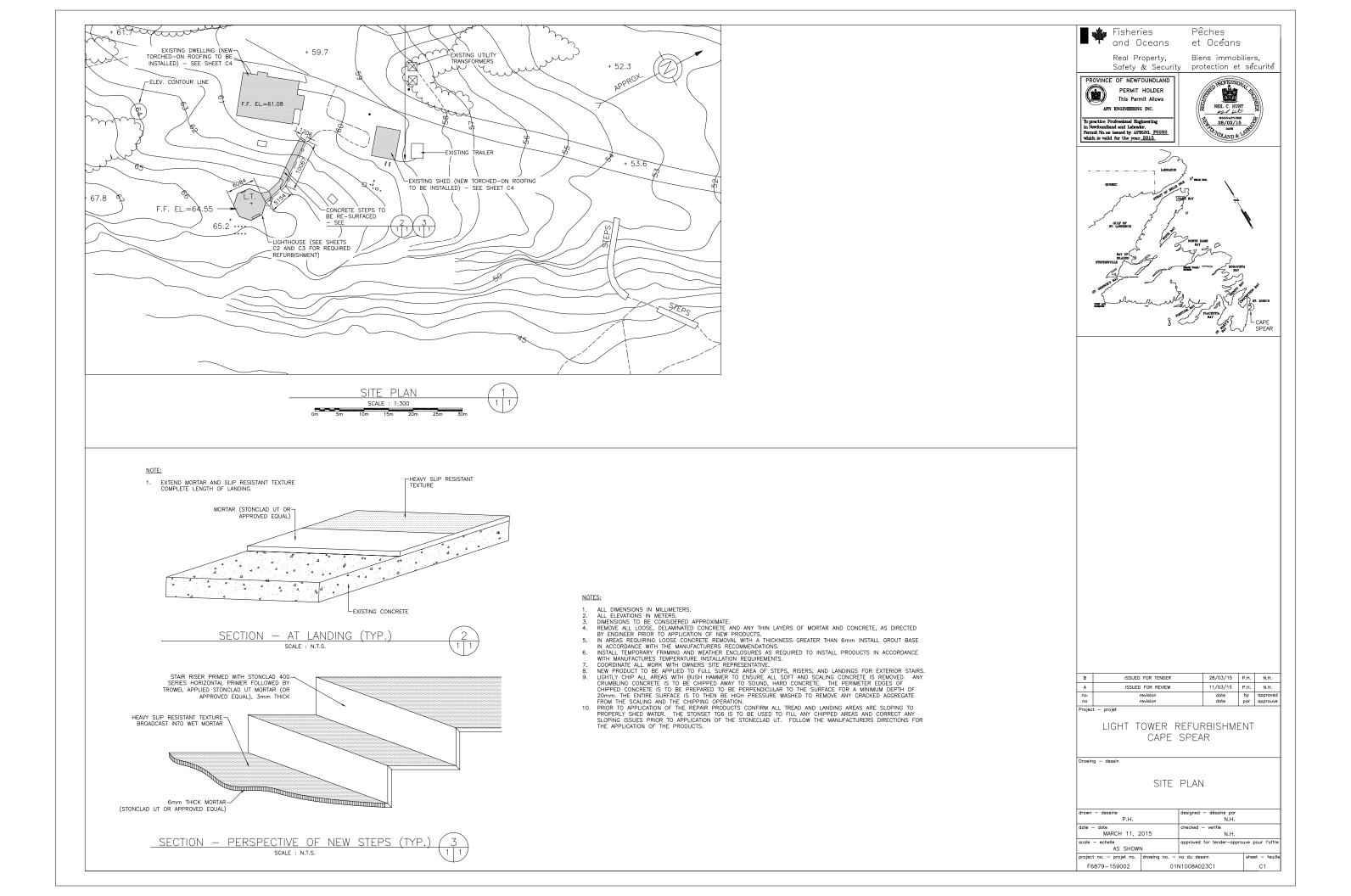
DRAWING LIST:

TITLE

01N1008A023C1 SITE F

01N1008A023C2 WORK PLAN LIGHTHOUSE EXTERIOR 01N1008A023C3 WORK PLAN LIGHTHOUSE INTERIOR

01N1008A023C4 NEW TORCHED-ON ROOFING - DWELLING AND SHED



CONCRETE TOWER:

- PRESSURE WASH THE ENTIRE EXTERIOR CONCRETE SURFACE TO REMOVE ALL LOOSE COATINGS AND OTHER CONTAMINANTS THAT ARE ON THE SURFACE.

 APPLY 1 COAT TOUCH UP COAT OF MASTER PROTECT HB300 SB COATING (OR APPROVED EQUIVALENT) TO THE BARE CONCRETE AREAS. OBTAIN DEPARTMENTAL REPRESENTATIVE'S APPROVAL BEFORE PROCEEDING WITH SUBSEQUENT COATS.

 APPLY 2 COATS OF MASTER PROTECT HB300 SB COATING (OR APPROVED EQUIVALENT)

 TO THE ENTIRE CONCRETE SURFACE. APPLY AS PER MANUFACTURER'S WRITTEN

EXTERIOR RAILING AROUND CATWALK:

SURFACE PREPARATION (PRIOR TO PAINTING):

- EXTERIOR GALVANIZED STEEL SECTIONS: PRESSURE WASH OR ABRASIVE BLAST TO REMOVE ALL EXISTING COATING THAT ARE ON THE STEEL SURFACE. POWER TOOL CLEAN SSPC—SP—11 TO ROUGHEN THE EXPOSED GALVANIZED SURFACE AND TO REMOVE ALL RUST THAT HAS DEVELOPED ON THE SURFACE. TO MEET THE REQUIREMENTS OF SSPC—SP—11, THE SURFACE IS TO BE POWER TOOL CLEANED TO BARE METAL. WHEN VIEWED WITHOUT MAGNIFICATION, THE SURFACE SHALL BE FREE OF ALL VISIBLE OIL, GREASE, DIRT, DUST, MILL SCALE, RUST, PAINT, OXIDES, CORROSION PRODUCTS, AND OTHER FOREIGN MATTER. SLIGHT RESIDUES OF RUST AND PAINT MAY BE LEFT IN THE LOWER PORTION OF PITS IF THE ORIGINAL SURFACE IS PITTED. THE SURFACE PROFILE SHALL NOT BE LESS THAN 1 MIL (25 MICRONS). DEPARTMENTAL REPRESENTATIVE WILL CONDUCT AN INSPECTION PRIOR TO RE—PAINTING TO CONFIRM THAT THE SURFACES HAVE BEEN PREPARED PROPERLY. NO RE—PAINTING IS TO BE INITIATED WITHOUT THE APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.

ACCEPTABLE PAINT PRODUCTS (OR APPROVED EQUIVALENTS), ARE AS FOLLOWS:

1. STEEL RAILINGS: PRIME SURFACE BY APPLYING 2 COATS OF AMERLOCK 2 SURFACE TOLERANT PONY COATING (OR APPROVED EQUIVALENT) AT 3-5 MILS DRY FILM
THICKNESS PER COAT. APPLY ONE COAT OF AMERSHELD HIGH SOLIDS POLYURETHANE
COATING (OR APPROVED EQUIVALENT) AT 3-5 MILS DRY FILM THICKNESS.

REAR ELEVATION

SCALE: 1:40

2. ALL RED PAINT TO BE "COAST GUARD RED".

- NEW DOOR AND HARDWARE SCHEDULE

 DOOR SIZE = 915 X 2135 X 45 (CONFIRM ON JOB BEFORE FABRICATING)

 DOOR TYPE = HOLLOW METIAL

 FRAME TYPE = 50mm PRESSED STEEL FRAME

 1 CONTINUOUS HINGE CH-951 X SIZE REQUIRED (630)

 1 EXIT DEVICE 9300B-01-476-TV/SNB (630)

 1 DOOR CLOSER 8991DS-TB/SNB (689)

 1 SET WEATHER STRIPPING 1500N X SIZE REQUIRED (AN)

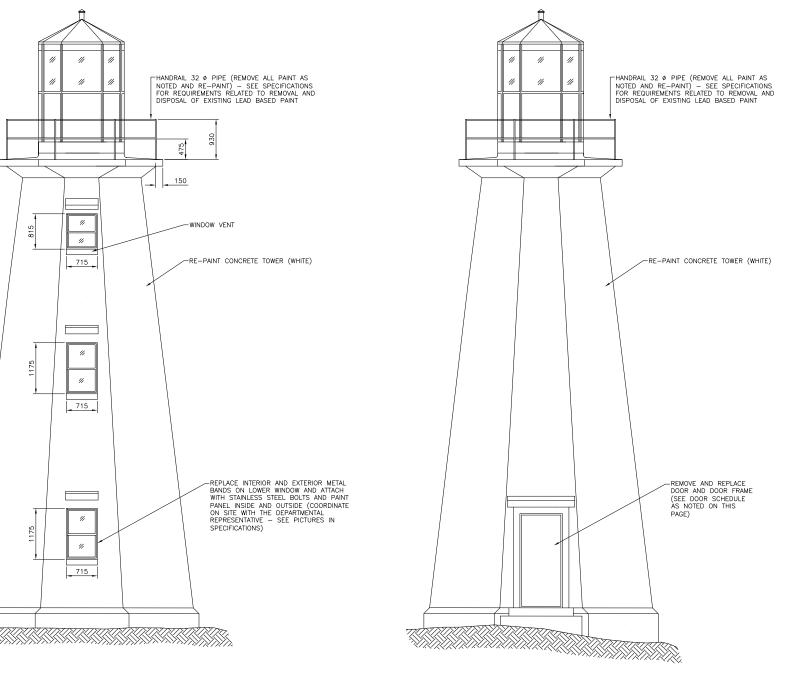
 1 WATER DRIPL-HEAD.AND X SIZE PEQUIRED (AN)

- 1 WATER DRIP-HEAD-AW2 X SIZE REQUIRED (AN)

- 1 WATER DRIP-BOTTOM-AW1 X SIZE REQUIRED (MF)
 1 THRESHOLD ATP5 X SIZE REQUIRED (ALUM.)
 1 DOOR LOCK CORBIN WITH EXTERIOR KEY AND THUMBTURN INSIDE

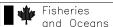
LEAD PAINT IS PRESENT ON THE CATWALK RAILING AND EXTERIOR CONCRETE PAINT ON THE TOWER. THE LIGHTHOUSE SITE IS CONSIDERED SENSITIVE DUE TO THE REMOTE LOCATION, HISTORIC NATURE OF THE LIGHTHOUSE AND FREQUENCY OF TOURISTS VISITS. IN THIS REGARD, ALL LEAD PAINT REMOVAL ACTIVITIES ARE TO BE IN ACCORDANCE WITH SPECIFICATION SECTION 02 83 12, WITH SPECIFIC REFERENCE TO THE "GUIDELINE FOR LEAD ON CONSTRUCTION PROJECTS FROM OCCUPATIONAL HEALTH AND SAFETY BRANCH, ONTARIO MINISTRY OF LABOUR, APRIL, 2011". A COPY OF THIS DOCUMENT CAN BE PROVIDED BY THE DEPARTMENTAL REPRESENTATIVE UPON REQUEST. MINIMMUM REQUIREMENTS INCLUDE:

- PERIMETER SCAFFOLDING. SCAFFOLDING MUST BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER, LICENSED BY PEG-NL TO PRACTICE ENGINEERING IN THE PROVINCE OF NL.
- FULL ENCLOSURE DURING PAINT REMOVAL ACTIVITIES, CONSISTING OF VERTICALLY HUNG TARPS OF IMPERMEABLE SHEETING ON ALL SIDES, OVERHEAD COVERS AND GROUND SHEETS OR RIGID PLATFORMS. ALL TARPS TO HAVE FULLY SEALED BOINTS AND SEALED ENTRANCEWAYS. DEBRIS TO BE DIRECTED TO GROUND SHEETS FOR COLLECTION AND REMOVAL. UNCONTROLLED DUST AND DEBRIS TO BE PREVENTED FROM LEAVING THE ENCLOSURE (USE NEGATIVE AIR UNITS AS REQUIRED TO MEET GOVERNING REGULATIONS). FOR THE PURPOSES OF TRANSPORTATION AND DISPOSAL, THE EXTERIOR LEAD PAINT ON THE CATWALK RAILING IS CONSIDERED LEACHABLE AND IS TO BE CONSIDERED HAZARDOUS WASTE.
- DECONTAMINATION UNIT TO BE ESTABLISHED AT ENTRANCEWAY. DECONTAMINATION UNIT TO CONSIST OF CLEAN ROOM.



FRONT ELEVATION

SCALE: 1:40



Pêches et Océans

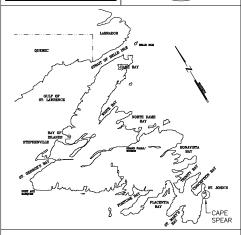
Real Property, Safety & Security

Biens immobiliers, protection et sécurité



To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by APEGNL F0292 which is valid for the year 2015



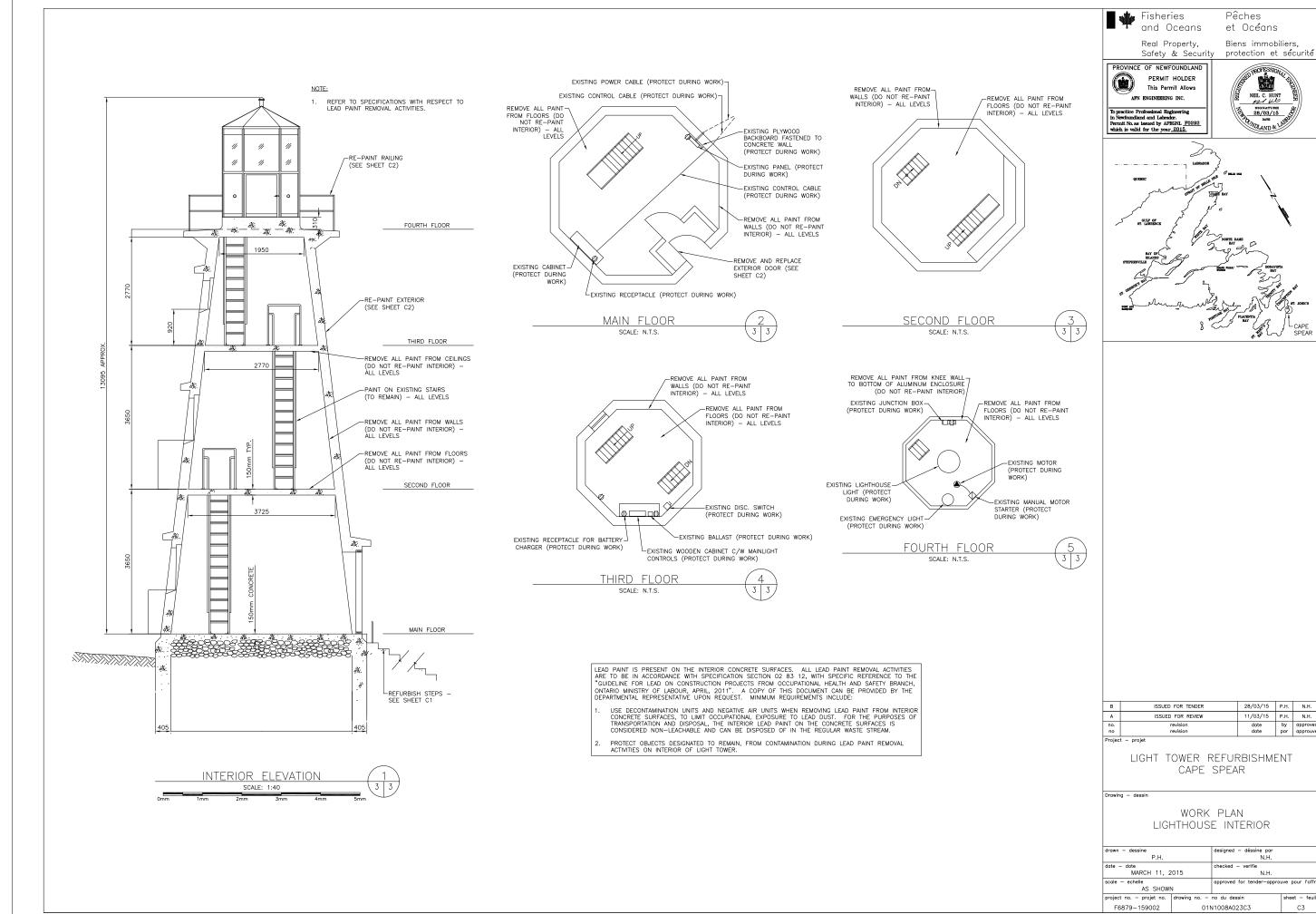


В	ISSUED FOR TENDER	28/03/15	P.H.	N.H.
ь	1550ED FOR TENDER	26/03/13	Р.П.	N.H.
Α	ISSUED FOR REVIEW	11/03/15	P.H.	N.H.
no.	revision	date	by	approved
no	revision	date	par	approuve

LIGHT TOWER REFURBISHMENT CAPE SPEAR

WORK PLAN LIGHTHOUSE EXTERIOR

drawn - dessine		designed - déssine par N.H.		
P.H.				
date - date		checked - verifie		
MARCH 11, 2	015	N.H.		
scale - echelle AS SHOWN	١	approved for tender-approuve pour l'offre		
project no projet no.	drawing no	no du dessin	sheet - feuille	
F6879-159002 01N		V1008A023C2	C2	



NEIL C. HUNT

SIGNATURE 28/03/15 DATE

NOLAND & LABOR

28/03/15 P.H. N.H. 11/03/15 P.H. N.H.

C3

