CAPE SPEAR
LIGHTHOUSE DOME RECAPITALISATION
REHABILITATION PROJECT
ST. JOHN'S, NL

PROJECT NO. PCAN582

DRAWINGS:
C1 SITE PLAN
S1 LEVEL 1 Framing Plan
S2 Sections and Details
A1 Building Elevations Existing Conditions
A2 Plans, Existing Conditions
A3 Temporary Enclosure, Tower Plan, Section and Details
A4 Building Section
A5 Dome Details
A6 Dome Glazing Unit Shop
A7 Demo/Restoration Details
A8 Window and Door Elevations
A9 Details
A10 Dome Reference Images
A11 Dome Reference Images

ELECTRICAL COVER SHEET
E1 Electrical Layout
E2 Electrical Details
EXISTING POWER MAST
WITH UNDERGROUND SERVICE

GROUND ROD AND WIRE

REMOVE PAINT, AS INDICATED IN SPECIFICATION, ON WOOD STEPS AND LANDING. CLEAN SURFACE AND RE-PAINT.

EXISTING ACCESS HATCH

REMOVE PAINT, AS INDICATED IN SPECIFICATION, ON WOOD STEPS AND LANDING. CLEAN SURFACE AND RE-PAINT.

REMOVE EXISTING DETERIORATED DOOR AND HARDWARE AND REPLACE WITH NEW DOOR AND HISTORICALLY ACCURATE DOOR HARDWARE SUPPLIED BY OWNER (APPROX. 915 x 1870 mm).

GENERAL NOTES:
1. REMOVE PAINT AS INDICATED IN SPECIFICATION ON ALL EXTERIOR WOOD SURFACES INCLUDING BUT NOT LIMITED TO CLADDING, TRIMS, FASCIAS, SOFFITS, EAVES, WINDOWS AND COMPONENTS, DOORS, STEPS, ETC. CLEAN SURFACE AND RE-PAINT.
2. ALL EXISTING WOOD CLADDING, SHEATHING, STRAPPING AND MOPPED ON FIBER REINFORCED ASPHALT AIR BARRIER TO BE REMOVED IN ITS ENTIRETY FROM THE TOWER. WOOD CLADDING TO BE TAKEN OFF SITE TO BE COMPLETELY STRIPPED. PRIMED AND REPAINTED IN SHOP PRIOR TO RE-INSTALLATION.
3. ALL WINDOWS AND COMPONENTS TO BE CAREFULLY REMOVED, RESTORED AND REINSTALLED. DETERIORATED WOOD IN WINDOWS TO BE REPLACED TO MATCH EXISTING - SEE UNIT PRICE IN SPEC. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.
4. ALL FALSE WINDOW COMPONENTS TO BE CAREFULLY REMOVED, RESTORED AND REINSTALLED. DETERIORATED WOOD AND MISSING WOOD PIECES IN FALSE WINDOWS TO BE REPLACED - SEE UNIT PRICE IN SPEC. REPLACE WITH NEW TO MATCH ADJACENT. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.
5. REMOVE MAIN ENTRANCE DOOR AND HARDWARE AND INSTALL NEW DOOR AND HARDWARE SUPPLIED BY OWNER. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.
6. SHOP WORK:
   LAUNDRY TO BE COMPLETELY DISASSEMBLED, COMPONENTS CAREFULLY RECORDED, ALL FINISHES REMOVED, RE-PAINTED AND REASSEMBLED. RESTORE ALL COMPONENTS WHERE POSSIBLE. REPLACE MISSING COMPONENTS WHERE REQUIRED TO MATCH EXISTING.
7. LIFTING PLAN:
   CONTRACTOR TO PROVIDE A DETAILED LIFTING PLAN STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF NEWFOUNDLAND AND LABRADOR. LANTERN AND DOME TO BE REMOVED IN A SINGLE LIFT OPERATION AND BROUGHT OFF SITE FOR SHOP RESTORATION. EXISTING GLAZING TO BE REMOVED PRIOR TO LIFT. LANTERN AND DOME TO BE RE-INSTALLED IN A SINGLE LIFT OPERATION AFTER SHOP RESTORATION. GLAZING TO BE RE-INSTALLED ON SITE AFTER DOME SECURED IN FINAL LOCATION.
NOTE:
1. SHELTER SHALL BE CONSTRUCTED WITH A MINIMUM CLEARANCE FROM THE CATWALK OF 300mm TO ENABLE CONTRACTOR TO REMOVE AND REINSTALL SIDING, FLASHINGS, MEMBRANES AND SHINGLES ON TOWER WALL AND ROOF.
2. SEE STRUCTURAL FOR DESIGN OF SHELTER AND CONNECTION DETAILS OF WALLS TO EXISTING ROOF.
3. PREFINISHED WOOD SIDING 19 x 64 mm STRAPPING @ 400 O.C.
4. SELF ADHERED AIR/VAPOUR BARRIER
5. PLYWOOD SHEATHING ON WOOD STUD WALL CONSTRUCTION - SEE STRUCTURAL
6. SEE STRUCTURAL FOR WALL/ROOF CONNECTION DETAIL
7. PRE-FINISHED METAL FLASHING - SEAL TO EXISTING ROOFING LAP AND SEAL SELF ADHERED AIR/VAPOUR BARRIER OVER/UNDER METAL FLASHING
8. REMOVE AND REINSTALL EXISTING WOOD SHINGLES AS REQUIRED TO INSTALL TEMPORARY WALLS
9. 2 PLY MODIFIED BITUMEN ROOFING 3 mm TORCHABLE PROTECTION BOARD
10. PLYWOOD SHEATHING ON WOOD "I" JOIST - SEE STRUCTURAL
11. PRE-FINISHED METAL FLASHING
12. 38x89 mm EAVE TRIM ALL AROUND
13. PREFINISHED WOOD SIDING 19 x 64 mm STRAPPING @ 400 O.C.
14. SELF ADHERED AIR/VAPOUR BARRIER
15. PLYWOOD SHEATHING ON WOOD STUD WALL CONSTRUCTION - SEE STRUCTURAL
16. TEMPORARY ENCLOSURE/TOWER PLAN/ROOF PLAN
17. TEMPORARY ENCLOSURE SECTION
18. SHELTER WALL AT EXISTING ROOF
19. SHELTER WALL AT EAVE
20. LIGHT TOWER
21. APPROX. SKYLITE LOCATION
CATWALK TO REMAIN. REMOVE AND REINSTALL WOOD DECK AS REQUIRED TO ACCESS SIDING.

REMOVE ROOF SHINGLES AND LEAD FLASHING AS REQUIRED ALL AROUND LIGHT TOWER TO INSTALL NEW AIR BARRIER AND FLASHINGS. INSTALL NEW SHINGLES AND LEAD FLASHINGS.

LIFTING PLAN:
SEE DRAWING A1, NOTE #7

SHOP WORK:
SEE DRAWING A1, NOTE #6

ALL EXISTING WOOD CLADDING, SHEATHING, STRAPPING AND MOPPED ON FIBER REINFORCED ASPHALT AIR BARRIER TO BE REMOVED IN ITS ENTIRETY FROM THE TOWER. WOOD CLADDING TO BE TAKEN OFF SITE TO BE COMPLETELY STRIPPED. PRIMED AND REPAINTED IN SHOP PRIOR TO RE-INSTALLATION.

EXISTING LADDER TO CATWALK TO REMAIN.

CLEAN AND PAINT EXISTING STEEL RAILING TO REMAIN - PAINT

REMOVE INTERIOR WOOD CLADDING AND TRIMS THROUGHOUT TOWER INCLUDING STAIRS. CLEAN AND REPOINT ALL MASONRY. RE-INSTALL CLADDING (INCLUDING STORED PORTIONS) AND TRIMS, PATCH AND REPAINT EXISTING STONE TOWER

VARIES

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Gregory Snow NLAA
Expires Dec 31, 2018
Date: FEB. 09/18
TRUE LENGTH ELEV. AT GLAZING

TOP CASTING WITH GUTTER
SILL CASTING, SEE DETAILS

CASTING IS BRASS/BRONZE.
WINDOW IS FOUR LIGHT CAST SASH & IS REMOVABLE BY REMOVING TWO BRONZE WING NUTS.

CONNECTION MADE WITH A SLOTTED SCREW.

GLAZING PANELS ARE ± 910mm x 540mm.

METAL INFILL
LANTERN GLAZING - KEY PLAN DEVELOPED

METAL INFILL
CHIMNEY GROUND WIRE FROM DOME

CHIMNEY
GUTTER

GLAZING
BRASS STRIPS
CAST CAP
RIGHT HAND WINDOW JAMB
LEFT HAND WINDOW JAMB

THERE ARE THREE MAIN SECTIONS TO THE MULLION CASTING: THE EXTERIOR CAP, THE RIGHT HAND WINDOW, THE LEFT HAND WINDOW.

NOTE: THE WINDOW FRAME IS ONE UNIT WHICH JOINS AT THE MULLIONS. THERE ARE 13 IDENTICAL UNITS, 2 WITH METAL PANELS, AND ONE WITH A REMOVABLE SASH - 16 TOTAL.

NOTE:
SHOP WORK:
LANTERN AND DOME TO BE COMPLETELY DISASSEMBLED, COMPONENTS CAREFULLY RECORDED, ALL FINISHES REMOVED, RE-PAINTED AND REASSEMBLED. RESTORE ALL COMPONENTS WHERE POSSIBLE.
REPLACE MISSING COMPONENTS WHERE REQUIRED TO MATCH EXISTING.

GUTTER AND MULLION DRAINS TO BE CLEANED OF ALL DEBRIS AND FULLY FUNCTIONING.

HOLD DOWN CLAMP - DOME - TYP.

COPPER DOME
CAST IRON SILL
CAST IRON MULLION
CAST IRON CAP/GUTTER
BRASS STRIPS /w FASTENERS

HOLD DOWN CLAMP - AT DOME - EXTERIOR

LANTERN FROM EXTERIOR BY REMOVING ALL FASTENING BOLTS AND NUTS.
CAST SASH, SHIPS, PROJECTION, AND EXPANSION WIRE.

STAIN DESIGNS ON FLOOR BRICK AND入れMILL MULLION.

GROUND WIRE CONNECTION TO DOME - TYP.

COPPER DOME
CAST IRON SILL
CAST IRON MULLION
CAST IRON CAP/GUTTER
BRASS STRIPS /w FASTENERS

DOME GLAZING ELEVATION

DOME GLAZING UNIT
SHOP DEMO/RESTORATION

ST. JOHN’S, NL

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Date:
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GENERAL NOTES:

1. ALL WINDOWS AND COMPONENTS TO BE CAREFULLY REMOVED, RESTORED AND REINSTALLED. DETERIORATED WOOD IN WINDOWS TO BE REPLACED TO MATCH EXISTING - SEE UNIT PRICE IN SPEC. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.

2. ALL FALSE WINDOW COMPONENTS TO BE CAREFULLY REMOVED. NEW FALSE WINDOWS COMPONENTS TO BE FABRICATED TO MATCH EXISTING ADJACENT WINDOW COMPONENTS - SEE UNIT PRICE IN SPEC. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.

3. WINDOW, FALSE WINDOW AND DETAIL SIZES INDICATED ARE APPROXIMATE AND REQUIRE SITE VERIFICATION.

4. FALSE WINDOW BACKGROUND TO BE PAINTED, COLOUR TO BE DETERMINED BY OWNER AND ARCHITECT. FOUR PAINTED MOCK-UPS ARE TO BE SUBMITTED TO OWNER AND ARCHITECT FOR REVIEW AND APPROVAL.

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CAPE SPEAR NHS
LIGHTHOUSE DOME
RECAPITALIZATION
PROJECT No. PCAN5582.00
CAPE SPEAR, NL
ISSUED FOR TENDER
FEBRUARY 9, 2018

ELECTRICAL/MECHANICAL CONSULTANT:

CROSBLIE
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DRAWING LIST:
E1 - ELECTRICAL LAYOUTS
E2 - ELECTRICAL DETAILS