



0	ISSUED FOR TENDER	APR 15/13
revisions		date

project
STABILIZATION REPAIRS
CARLETON
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NEW BRUNSWICK

drawing
SYMBOLS & GENERAL NOTES

designed	AKT	conçu
date	April 15, 2013	date
drawn	AKT	dessiné
date	APRIL 15, 2013	date
approved	GK	approuvé
date	APRIL 15, 2013	date

Tender Submission
 20 June 2013
 PWGSC Project Manager Administrateur de projets TPSGC
 project number
R.032768.003
 no. du projet

drawing no.
A1.0
 no. du dessin

SYMBOLS:

- PHOTOGRAPH NUMBER AND DIRECTION OF VIEW
- MORTAR JOINTS REQUIRING DEEP REPOINTING (VARIABLE 25 mm TO 150 mm)
- EXISTING MORTAR JOINT (TO REMAIN)
- EXISTING GUN SLOTS (TO REMAIN)
- AREA OF BULGING WALL TO BE DISASSEMBLED AND REBUILT (DEPTH ± 460 mm) - SOUND WALL W/ Mallet TO VERIFY SOLIDITY OF WALL. REVIEW WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO REMOVAL.

#1 & #3 IDENTIFY BULGED AREAS TO BE DISASSEMBLED UP TO 50% OF WALL DEPTH FOR INVESTIGATION STUDY. #2 IDENTIFIES BULGED AREA TO BE DISASSEMBLED UP TO 1000 MM FOR INVESTIGATION STUDY.
 RECONSTRUCTION OF BULGED AREAS TO BE INCLUDED IN CONTRACT.

GENERAL NOTES:

1. EXTERIOR WORK - STONE MASONRY TOWER:
 - DISMANTLING AND REBUILDING 10 (TEN) BULGED AREAS TO A DEPTH ± 460 mm (MEASURED FROM FACE OF STONE), 2 (TWO) BULGED AREAS TO A DEPTH OF UP TO 50% OF WALL THICKNESS AND 1 (ONE) BULGED AREA TO A DEPTH OF ± 1000 MM WHERE INDICATED ON DRAWINGS. RECONSTRUCTION OF 13 (THIRTEEN) BULGED AREAS TO BE INCLUDED IN CONTRACT.
 - DEEP REPOINT MORTAR JOINTS IN IMMEDIATE PROXIMITY TO THE REBUILT AREAS AND WHERE INDICATED ON DRAWINGS.
 - NOTE: DEEP REPOINTING WITHIN THE AREAS IDENTIFIED FOR REBUILDING (E.G., BULGED AREA'S) ARE EXCLUDED FROM DEEP REPOINTING QUANTITIES.
 - CORE DRILL 6 HOLES WHERE IDENTIFIED ON SITE BY DEPARTMENTAL REPRESENTATIVE. REMOVE AND SALVAGE EXTERIOR STONE PRIOR TO CORING. DEPTH OF CORING AS FOLLOWS:
 - 2 - 100 mm ϕ HOLES TO A DEPTH OF 80% OF TOWER EXTERIOR WALL AT ZONE 1 - SEE DWG. A1.4 FOR CROSS SECTION.
 - 2 - 100 mm ϕ HOLES TO A DEPTH OF 80% OF TOWER EXTERIOR WALL AT ZONE 2 - SEE DWG. A1.4 FOR CROSS SECTION.
 - 2 - 100 mm ϕ HOLES TO A DEPTH OF 80% OF TOWER EXTERIOR WALL AT ZONE 3 - SEE DWG. A1.4 FOR CROSS SECTION.
 - REBUILD CORE HOLES WITH RUBBLE AND STONE AND FILL WITH MORTAR. DO NOT USE SANDSTONE IN RECONSTRUCTION OF CORE HOLES.
 - RECONSTRUCTION OF CORE HOLES TO BE INCLUDED IN CONTRACT.
2. EXTERIOR WORK - CONCRETE COMMAND POST:
 - CAULK SURFACE OF CONCRETE CRACKS WHERE IDENTIFIED ON DRAWINGS. SEE ALSO SPEC. SECTION 07 12 10 JOINT SEALING.
 - CAULK RECESSED JOINTS WHERE IDENTIFIED ON DRAWINGS. SEE ALSO SPEC. SECTION 07 12 10 JOINT SEALING.
 - REPAIR / PATCH CONCRETE WHERE IDENTIFIED ON DRAWINGS. SEE ALSO SPEC SECTION 03 01 00 CONCRETE REHABILITATION.
3. EXTERIOR WORK - FACE STONE:
 - DOCUMENT AND RECORD STONE MASONRY AS DESCRIBED IN SPECIFICATION SECTION 04 03 43 - DISMANTLING OF STONE MASONRY. STORE EXTERIOR STONE MASONRY IN A SECURE DRY LOCATION AND MAKE AVAILABLE FOR DEPARTMENTAL REPRESENTATIVE REVIEW. EXTERIOR STONES DEEMED SUITABLE ARE TO BE USED IN THE REASSEMBLY OF THE BULGE AND CORED AREAS EXTERIOR ONLY (E.G., DO NOT USE IN CORE OF WALL). WHEN EXISTING STONE MASONRY IS DEEMED UNSUITABLE FOR REASSEMBLY WORK, TURN OVER TO DEPARTMENTAL REPRESENTATIVE AND INSTALL STONES TAKEN FROM PARKS CANADA'S STOCKPILE OF STONE FALLEN FROM THE BUILDING.
4. INTERIOR WORK:
 - SOUND BRICK MASONRY TO DETERMINE PIECES OF BRICK AT RISK OF FALLING OR SEPARATING FROM FACE OF BRICK.
 - DETACH LOOSE PIECES IDENTIFIED AS PER SPEC. SECTION 04 03 07 - MASONRY REPOINTING AND REPAIR.
 - RECORD, CATALOGUE AND STORE DETACHED BRICK PIECES AS DESCRIBED IN SPEC. SECTION 04 03 07 - MASONRY REPOINTING AND REPAIR.
 - CORE DRILL 1 (ONE) HOLE FROM INSIDE IN THE VAULTED BRICK CEILING AND 1 (ONE) HOLE FROM INSIDE TO OUTSIDE IN BRICK WALL WHERE IDENTIFIED ON SITE BY DEPARTMENTAL REPRESENTATIVE. REMOVE FIRST WYTHE OF BRICK MASONRY PRIOR TO CORING. DEPTH OF CORING AS FOLLOWS:
 - 1 - 100 mm ϕ HOLE TO A DEPTH OF 80% OF VAULT - SEE DWG. A1.4 FOR CROSS SECTION.
 - 1 - 100 mm ϕ HOLE TO A DEPTH OF 80% OF WALL - SEE DWG. A1.4 FOR CROSS SECTION.
5. REASSEMBLY - NEW MATERIAL:
 - USE NEW SQUARED OFF, FLATTER ROUGH CUT LIMESTONE, GRANITE OR PROPOSE SIMILAR ALTERNATIVE IN THE RECONSTRUCTION OF THE INNER PORTIONS OF THE BULGED AREAS. DO NOT USE SANDSTONE. DO NOT REUSE EXISTING ROUNDED STONE IN THE CORE OF THE WALL.
6. PROTECTION:
 - PROTECT ALL EXTERIOR ELEMENTS SUCH AS WOOD STAIRS, FLAGGE, ETC. AND MAKE GOOD ALL ELEMENTS DAMAGED BY WORK.
 - PROTECT ALL INTERIOR ELEMENTS SUCH AS MEMORABILIA, INTERIOR STAIRS, LIGHTS, ETC. AND MAKE GOOD ALL ELEMENTS DAMAGED BY WORK.
7. DRAWING INFO:
 - DRAWING INFO TAKEN FROM 3-D LASER SCAN PRODUCED IN 2010. THE TOWER WALL THICKNESS VARIES OVER THE HEIGHT OF THE BUILDING AND DIMENSIONS SHOWN ON BUILDING SECTION ARE INTENDED TO BE AN APPROXIMATE GUIDE.
 - CONTRACTOR IS RESPONSIBLE TO TAKE ALL NECESSARY PRECAUTIONS TO ENSURE CORING DOES NOT EXCEED 80% OF WALL THICKNESS.

