



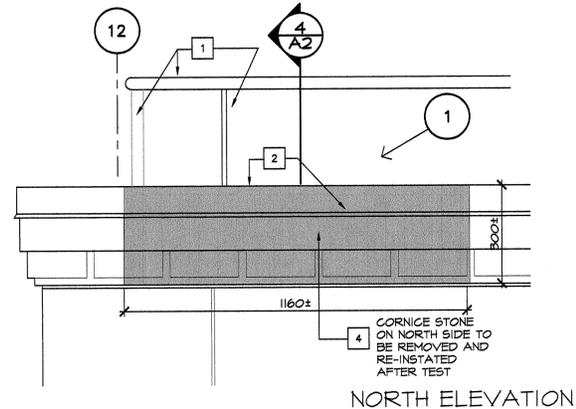
1 VIEW OF 1950 EAST WALL, SIDEWALL AND 1998 EAST WALL (ADDITION)

TEST OPENING # 4

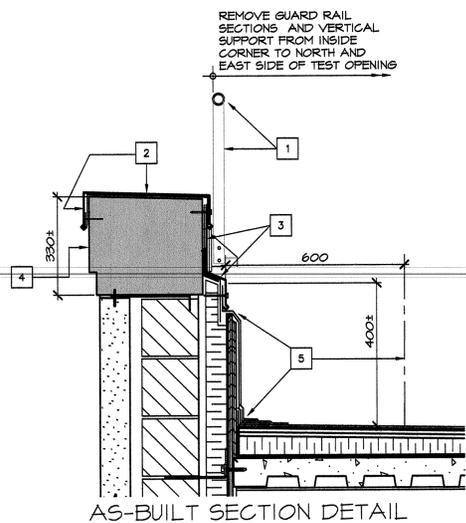
INTENT: TO REVIEW CONDITION AND CONSTRUCTION OF MEMBRANE AND METAL FLASHINGS AT LOWER ROOF PARAPET, AND INVESTIGATE POTENTIAL PATHS FOR WATER INGRESS.

AFTER COMPLETION OF TEST OPENING REVIEW, CLOSE OFF OPENING - REASSEMBLE AND REINSTATE ALL MATERIALS. MAKE GOOD AND WATER TIGHT.

1. SIMILAR TO TEST OPENING 1, REMOVE SECTION OF GUARDRAIL SO AS TO REMOVE COPPER FLASHING. AT THIS TEST OPENING, GUARDRAILS ARE SHORTER, HINGED AND SIDE-MOUNTED. REMOVE NORTH AND EAST-FACING GUARDRAILS CLOSEST TO PARAPET CORNER.
2. EXPOSE EXTERIOR ENVELOPE / ROOF JUNCTION BY REMOVING COPPER CAP FLASHING AND BASE WALL MEMBRANE FLASHING. REMOVE FULL LENGTH OF COPPER CAP FLASHINGS TO EXISTING SEAMS (EAST-FACING: 42300 MM LENGTH, AND NORTH-FACING: 42160 MM LENGTH).
3. REMOVE COPPER COUNTER FLASHING BELOW CAP FLASHING AT EXISTING SEAM. RECORD AND RETAIN FLASHINGS FOR REINSTATEMENT.
4. REMOVE ONE NORTH-FACING CORNICE STONE WHICH SITS BELOW PARAPET CAP FLASHING CLOSEST TO THE CORNER TO PERMIT REVIEW OF JUNCTION BETWEEN STONE CLADDING AND BACK-UP SUPPORT WALL (SHOWN SHADED). STONE IS APPROXIMATELY 1160 MM WIDE X 300 MM HIGH X 350 MM DEEP. RECORD STONE PRIOR TO DISMANTLING AND STORE FOR REINSTATEMENT.
5. CUT BACK AN AREA OF PARAPET MEMBRANE FLASHING OF APPROX. 600 MM WIDE X 400 MM HIGH. REMOVE MEMBRANE FLASHING FROM CORNER OF PARAPET IN BOTH NORTH AND EAST DIRECTION. REMOVE 300 MM SECTION OF ROOF MEMBRANE FROM PARAPET WALL FACE OUT IN THE HORIZONTAL PLANE. REPAIR ROOF MEMBRANES AT COMPLETION OF TEST.



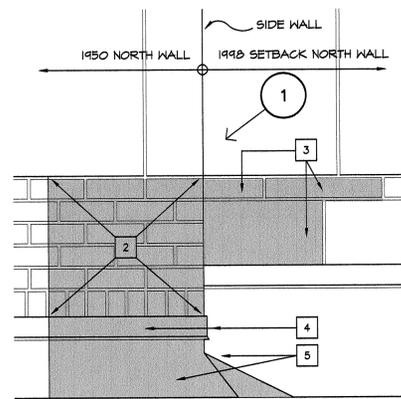
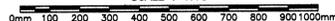
NORTH ELEVATION



AS-BUILT SECTION DETAIL

TEST OPENING # 4: LOWER ROOF PARAPET - NE CORNER

SCALE : 1:10



NORTH ELEVATION

TEST OPENING # 2

INTENT: TO REVIEW EXISTING CONSTRUCTION AT JUNCTION OF EXISTING ROOF AND WALL, AND INTERSECTION OF ORIGINAL BUILDING AND 1998 ADDITION. REVIEW POTENTIAL PATHS FOR WATER INGRESS.

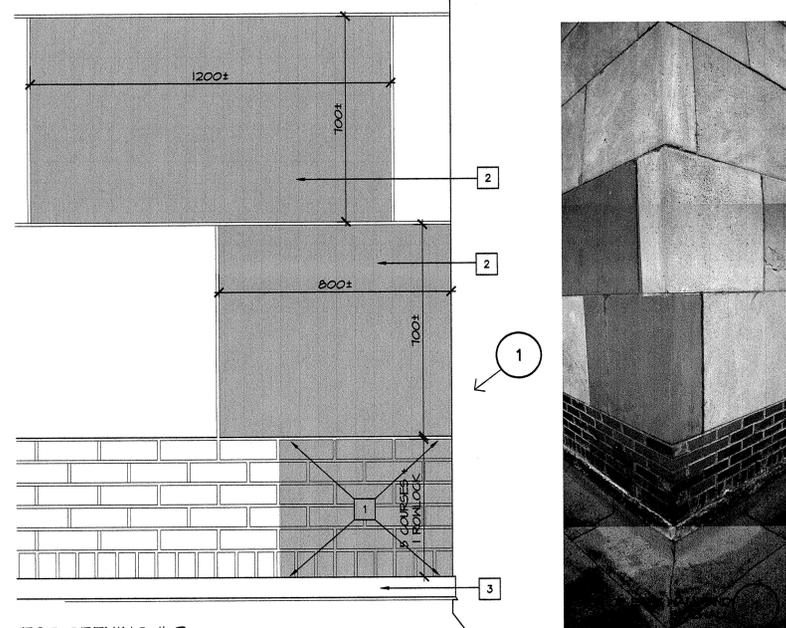
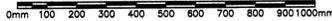
NOTE: OPENING EXTENDS ON THREE ELEVATIONS: THE 1950 NORTH ELEVATION, THE SHORT SIDEWALL, AND 1998 (SETBACK) NORTH ELEVATION. PROVIDE TEMPORARY SHORING AS REQUIRED. SET ASIDE FACE STONE FOR REINSTATEMENT. SALVAGE EXIST. FACE BRICK AND EXIST. CONG. BLOCK AND SET ASIDE FOR REINSTATEMENT.

AFTER COMPLETION OF TEST OPENING REVIEW, CLOSE OFF OPENING - REASSEMBLE AND REINSTATE ALL MATERIALS. MAKE GOOD AND WATER TIGHT.

1. SIDEWALL: REMOVE ONE STONE, INSET 210 MM FROM NORTH FACE. STONE IS APPROX. 425 MM WIDE X 640 MM HIGH. REMOVE FACE BRICK AND 3 COURSES OF CONCRETE BLOCK (3 FULL, 1 PARTIAL) BELOW THIS STONE DOWN TO METAL FLASHING AND ROOF CAP SHEET. SAWCUT ALONG MORTAR JOINTS TO REMOVE MASONRY.
2. ORIGINAL NORTH ELEVATION: PREPARE TEST OPENING APPROX. 4500 MM WIDE (2 BRICK UNITS IN WIDTH). REMOVE 6 BRICK COURSES (1 ROWLOCK AND 5 COURSES). SAWCUT ALONG THE MORTAR JOINT TO REMOVE MASONRY.
3. 1998 NORTH ELEVATION: REMOVE THREE CONCRETE BLOCKS: 1 FULL, 2 PART BLOCKS.
4. REMOVE METAL AND/OR COPPER FLASHING AT EXISTING SEAMS TO ALLOW FOR REINSTATEMENT.
5. JUNCTION OF 1950 NORTH FACE AND SIDEWALL: REMOVE ROOF MEMBRANE BELOW METAL FLASHING AT BASE OF WALL. EXTEND MEMBRANE REMOVAL 300 MM (MIN.) OUT FROM FACE OF WALL TO ALLOW REVIEW OF EXIST. ROOF ASSEMBLY. REPAIR ROOF MEMBRANES AT COMPLETION OF TEST.

TEST OPENING # 2: LOWER ROOF / LEVEL 3 EXTERIOR WALL - NORTH ELEVATION

SCALE : 1:10



TEST OPENING # 3

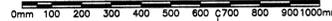
INTENT: TO REVIEW LEVEL 3, BASE WALL / LOWER ROOF ASSEMBLY AT THE NORTHEAST CORNER. TEST OPENING REMOVES STONE CLADDING, THROUGH-WALL MEMBRANE AND COPPER FLASHINGS, TO REVIEW EXISTING CONDITIONS AND AS-BUILT CONSTRUCTION OF WALL CLADDING, BACK-UP SUPPORT WALL, AND STRUCTURAL STEEL FRAME AND INVESTIGATES POTENTIAL PATHS FOR WATER INGRESS. AFTER COMPLETION OF TEST OPENING REVIEW, CLOSE OFF OPENING - REASSEMBLE AND REINSTATE ALL MATERIALS. MAKE GOOD AND WATER TIGHT.

EAST WALL:

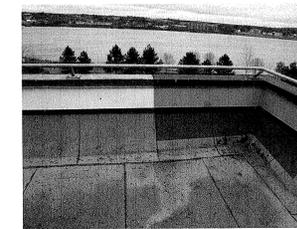
1. REMOVE EQUIVALENT OF THREE BRICK UNITS WIDE (4900 MM) AND 6 COURSES HIGH (1 ROWLOCK, 5 REGULAR COURSES).
2. REMOVE TWO EAST-FACING STONE UNITS ABOVE THE BRICKWORK. LOWER STONE IS 4800 MM WIDE X 100 MM HIGH X 100-220 MM DEEP WITH A 220 MM WIDE RETURN. NOTE: LOWER STONE HAS A FULL HEIGHT VERTICAL CRACK, WHICH WILL REQUIRE REPAIR PRIOR TO REINSTALLATION. UPPER STONE IS 4190 MM WIDE X 100 MM HIGH X 100-220 MM DEEP. STONE DEPTH MAY VARY DUE TO CONCEALED CUT OUT FOR STRUCTURAL STEEL COLUMN WITHIN EXTERIOR WALL ASSEMBLY. SAWCUT ONCE AT HORIZONTAL MORTAR JOINTS TO FACILITATE HAND-RAKING OUT OF MORTAR. RECORD AND SET ASIDE STONE AND BRICKS FOR FUTURE REINSTATEMENT, WHERE POSSIBLE.
3. REMOVE THE COPPER FLASHING AT ITS EXISTING SEAMS TO ALLOW FOR REINSTATEMENT.
4. PROVIDE TEMPORARY SHORING AS REQUIRED.

TEST OPENING # 3: LOWER ROOF / LEVEL 3 EXTERIOR WALL - EAST ELEVATION (NE CORNER)

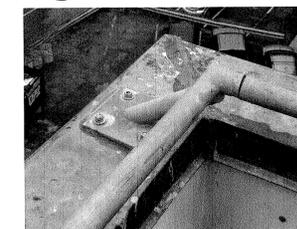
SCALE : 1:10



1 VIEW OF NORTH-EAST CORNER



2 VIEW OF NORTH-EAST CORNER AS SEEN FROM 2ND FLR. ROOF



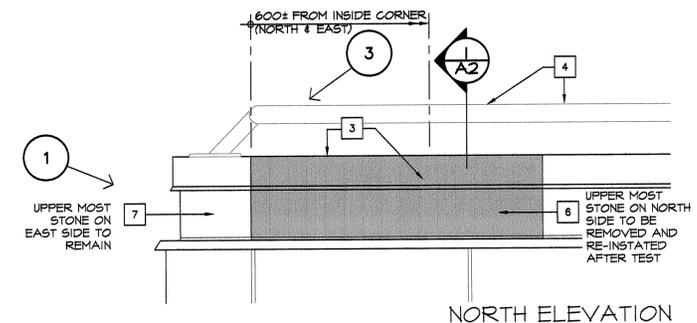
3 GUARDRAIL FASTENING AND CONNECTION AT CORNER

TEST OPENING # 1

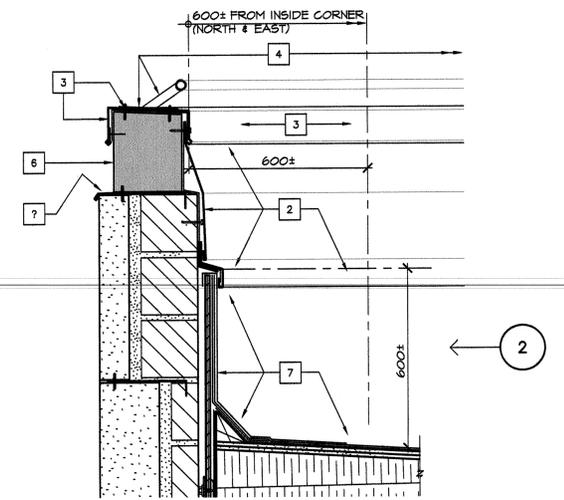
INTENT: TO REVIEW PARAPET CONSTRUCTION AND AS-FOUND CONDITIONS OF STONE, METAL FLASHINGS, TRANSITION MEMBRANE FLASHINGS, ROOFING MEMBRANES, STEP-BACK OF EXTERIOR STONE FACE, AND SEALANT AT GUARDRAIL BRACKETS.

AFTER COMPLETION OF TEST OPENING REVIEW, CLOSE OFF OPENING - REASSEMBLE AND REINSTATE ALL MATERIALS. MAKE GOOD AND WATER TIGHT.

1. EXTEND OPENING 500 MM DOWN FROM TOP OF PARAPET AND, FROM INSIDE CORNER 600 MM ALONG BOTH EAST AND NORTH AXIS.
2. CAREFULLY REMOVE METAL AND MEMBRANE FLASHINGS TO REVEAL ROOFING MEMBRANE CONDITION AT PARAPET.
3. CAREFULLY REMOVE COPPER CAP FLASHING AT EXISTING SEAMS WITHOUT DAMAGING THE COPPER.
4. DISMANTLE GUARDRAIL AND STORE FOR LATER REINSTATEMENT.
 1. REMOVE THREE GUARDRAIL BRACKETS ALONG EAST-FACING PARAPET, I.E. REMOVE A FULL SECTION. THE EAST-FACING GUARD EXTENDS 473 M FROM THE CORNER TO THE FIRST SECTION JOINT.
 2. REMOVE TWO GUARDRAIL BRACKETS ALONG NORTH-FACING PARAPET TO ACCESS EXISTING COPPER CAP FLASHING SEAM.
5. CAREFULLY REMOVE FULL METAL AND COPPER FLASHING SECTIONS AT EXISTING SEAMS.
6. ALONG THE NORTH AXIS ONLY, REMOVE UPPERMOST STONE UNIT TO SHOW FLASHING INSTALLATION AND CONDITION AT WALL STEP-BACK. STONE IS APPROX. 4180 MM WIDE X 220 MM DEEP X 340 MM HIGH, AND SITS IN 220 MM FROM THE OUTSIDE CORNER. RECORD AND STORE FOR REINSTATEMENT.
7. ALONG THE EAST AXIS, UPPERMOST STONE COURSE TO REMAIN IN SITU TO REVIEW CONSTRUCTION AND CONDITION BELOW PARAPET CAP FLASHING.
8. CUT BACK AN AREA OF PARAPET/ROOF MEMBRANE FLASHING, APPROX. 600 MM HIGH X 600 MM OUT IN BOTH EAST AND NORTH DIRECTIONS. REPAIR ROOF MEMBRANE AT COMPLETION OF TEST.



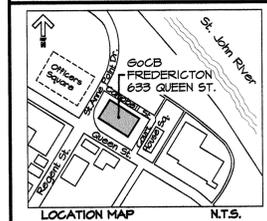
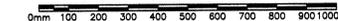
NORTH ELEVATION



AS-BUILT SECTION DETAIL

TEST OPENING # 1: PENTHOUSE LEVEL / UPPER ROOF PARAPET - NORTHEAST CORNER

SCALE : 1:10



0	ISSUED FOR TENDER	05/12/2014
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revisions	project
WALL CLADDING & ROOF INVESTIGATION	
GOVERNMENT OF CANADA BUILDING	
633 QUEEN STREET, FREDERICTON, NB	
drawing	design

INVESTIGATIVE OPENINGS: No. 1, 2, 3 AND 4

designed	conqu
date	
drawn	GK
date	MAY 12, 2014
approved	RG
date	
tender	Submission
PWOSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.063299.001	
drawing no.	no. du dessin
A2	