

FORT RODD HILL N.H.S. CASEMATE BARRACKS REHABILITATION



Services gouvernemental

REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique



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0	Design Completion - R.049422.002	
Revision	Description	Date

FORT RODD HILL NHS

Victoria, B.C.

CASEMATE BARRACKS **REHABILITATION**

K.MAYER

D.STEPHENSON / T. ALMOND

M. CHAMBERS

TOM DUNPHY / PREETIPAL PAUL

TITLE SHEET

Project no.	Sheet	Revision
R.075097.001	A01	0

CASEMATE BARRACKS - FORT RODD HILL N.H.S.

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux

REAL PROPERTY SERVICES
Pacific Region
SERVICES IMMOBILIERS
Région de Pacifique

REHABILITATION 2015

DRAWING NO.	DESCRIPTION	DRAWING NO.	DESCRIPTION	
A01 A02 A03 A04 A05 A06 A07 A08 A09 A10 A11 A12 A13 A14	TITLE SHEET DRAWING INDEX / GENERAL NOTES GENERAL SITE PLAN LOWER BATTERY SITE PLAN CASEMATE BARRACKS FLOOR PLAN CASEMATE BARRACKS ROOF REBAR PLAN CASEMATE BARRACKS & LATRINE ROOF PLAN CASEMATE BARRACKS RECTIFIED ELEVATIONS CASEMATE BARRACKS RECTIFIED ELEVATIONS CASEMATE BARRACKS SECTION A-A CONCRETE REPAIR SECTIONS CONCRETE REPAIR SECTIONS CONCRETE REPAIR REFERENCE PHOTOS CONCRETE REPAIR DETAILS	A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28	CONCRETE REPAIR DETAILS CONCRETE REPAIR DETAILS CONCRETE REPAIR CR1 DETAILS CONCRETE REPAIR CR2 DETAILS CONCRETE REPAIR CR3 DETAILS CONCRETE REPAIR CR4 DETAILS CONCRETE REPAIR CR5 DETAILS CONCRETE REPAIR CR5 DETAILS CASEMATE BARRACKS CONCRETE REPAIR DETAILS CASEMATE BARRACKS FLASHING DETAILS CASEMATE BARRACKS CHIMNEY DETAILS CASEMATE BARRACKS LATRINE CRACK REPAIRS CASEMATE BARRACKS LATRINE CRACK REPAIRS CASEMATE BARRACKS LATRINE CRACK REPAIRS	

LEGEND

GENERAL SYMBOLS PHO

MAIN FLOOR B SCALE 1:1

DETAIL REFERENCE SYMBOL

A - DETAIL NUMBER
B - DRAWING NUMBER

SECTION A-A SCALE 1:1

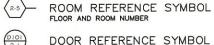
SECTION REFERENCE SYMBOL

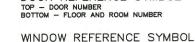
A - SECTION LETTER
B - DRAWING NUMBER











TOP - DOOR NUMBER
BOTTOM - FLOOR AND ROOM NUMBER

NOTE REFERENCE SYMBOL GENERAL NOTE REFERENCE

NOTE REFERENCE SYMBOL WHEN THE NOTE REFERS TO A SPECIFIC POINT THE TOP OF THE REFERENCE SYMBOL WILL BE DARKENED

NORTH ARROW

- OBJECT LINE

---- HIDDEN LINE

ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED.

PHOTO SYMBOLS

25 CAMERA DIRECTION HORIZONTAL

25 CAMERA DIRECTION UP

(25) CAMERA DIRECTION DOWN

MATERIALS



BATT INSULATION



CONCRETE





RIGID INSULATION



SHAKES



WOOD

DOUGLAS G. STEPHENSON ES Plan 27, 2015 Plan 27, 2015

FORT RODD HILL NHS

Design Completion - R.049422.002

Description

Victoria, B.C.

Project title

2

Revision

CASEMATE BARRACKS REHABILITATION

GENERAL NOTES

DUE TO DEFORMATION IN THE STRUCTURE:

NOT IN CONTRACT

- 1. ALL DIMENSIONS SHOULD BE VERIFIED ON SITE PRIOR TO THE REPLACEMENT OF COMPONENTS
- 2. DIMENSIONS REPRESENT THE DISTANCE AT THAT PARTICULAR POINT IN THE STRUCTURE, DISTANCES VARY ACCORDING TO DISTORTION.
- 3. DIMENSIONS GIVEN FOR WINDOW, DOOR, AND ALL OTHER DETAILS ARE AVERAGES OF OPENINGS AND MEMBER SIZES. ALL COMPONENT SIZES ARE WITHIN 5mm OF DIMENSIONS GIVEN AND ALL SPACING OR OVERALL DIMENSIONS ARE WITHIN 12mm VARIATION.
- 4. EAVE DETAILS, FASCIA DETAILS AND SECTIONS ARE REPRESENTATIVE AND ARE TYPICAL FOR ALL SIMILAR SITUATIONS, DIMENSIONS GIVEN ARE GENERAL AS OVERHANGS AND DISTORTION VARY.
- 5. SOME CONJECTURE EXISTS IN SITUATIONS WHERE DUE TO THE INABILITY TO MEASURE COMPONENTS THAT ARE OBSTRUCTED BY OTHER COMPONENTS, HIDDEN LINES ARE USED TO INDICATE MEMBER CONFIGURATION AND PLACEMENT
- 6. PRIOR TO COMMENCING WORK, CONTRACTOR IS TO REVIEW SIMILAR CONCRETE REPAIRS AT COAL STORES BUILDING AND SIMILAR ROOF REPLACEMENT AT FITTERS SHOP.

Drawn by

K.MAYER / P.MCFADDEN

Designed by

D. STEPHENSON / T. ALMOND

Approved by

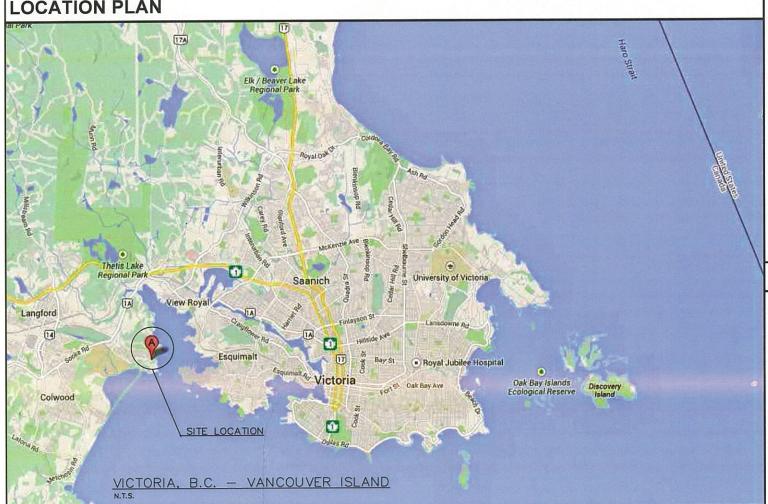
M. CHAMBERS

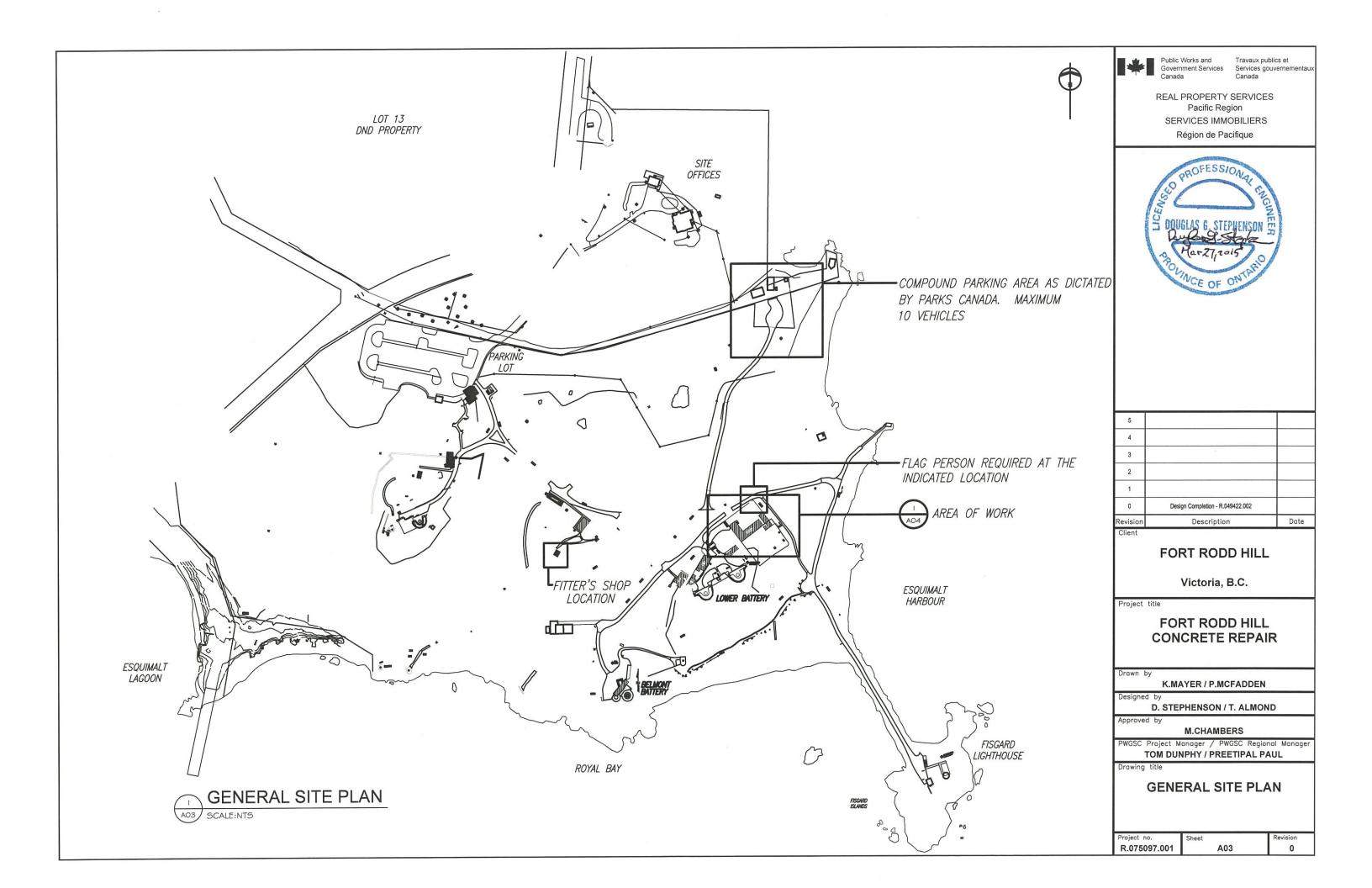
PWGSC Project Manager / PWGSC Regional Manage
TOM DUNPHY / PRETIPAL PAUL

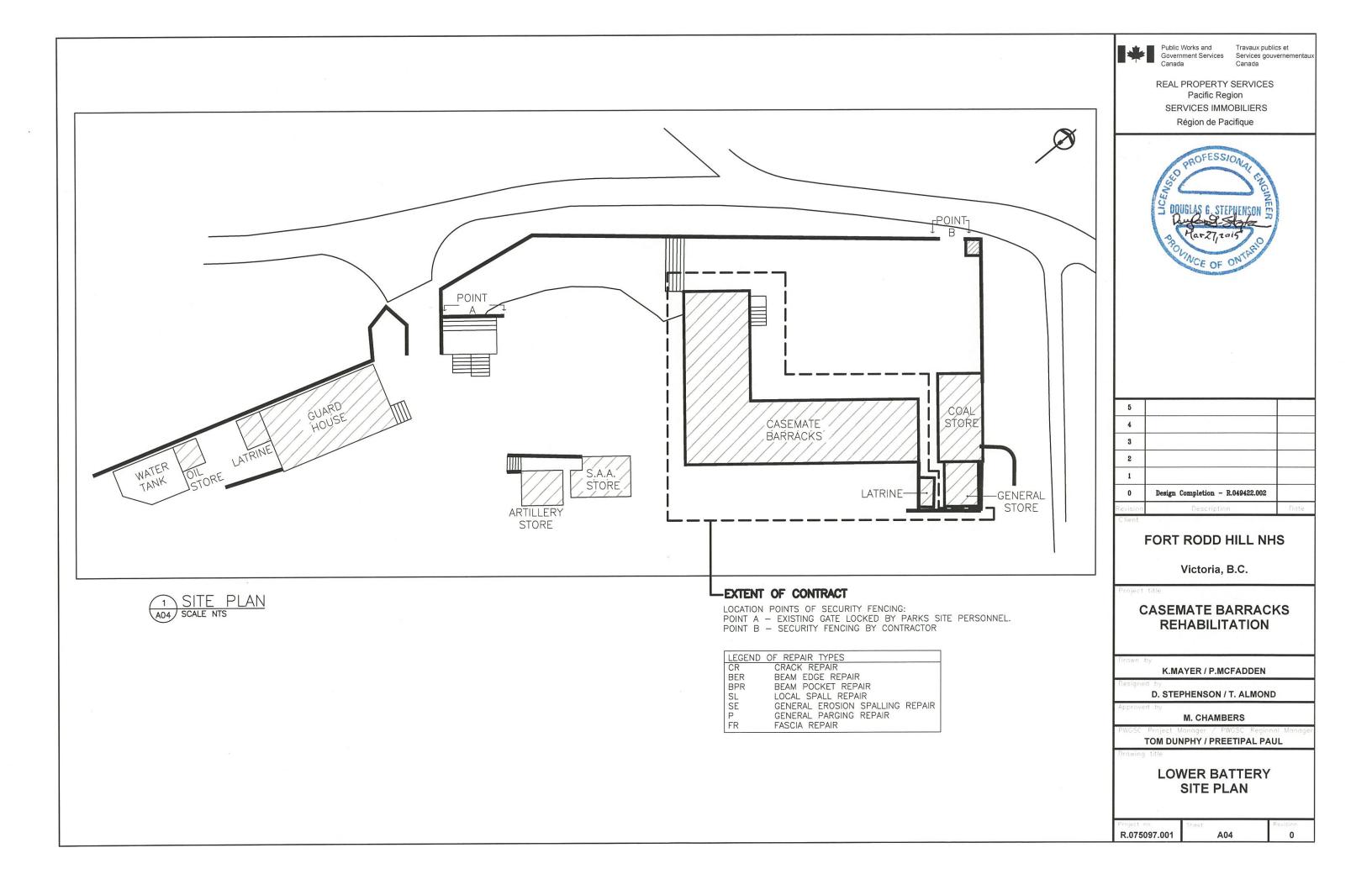
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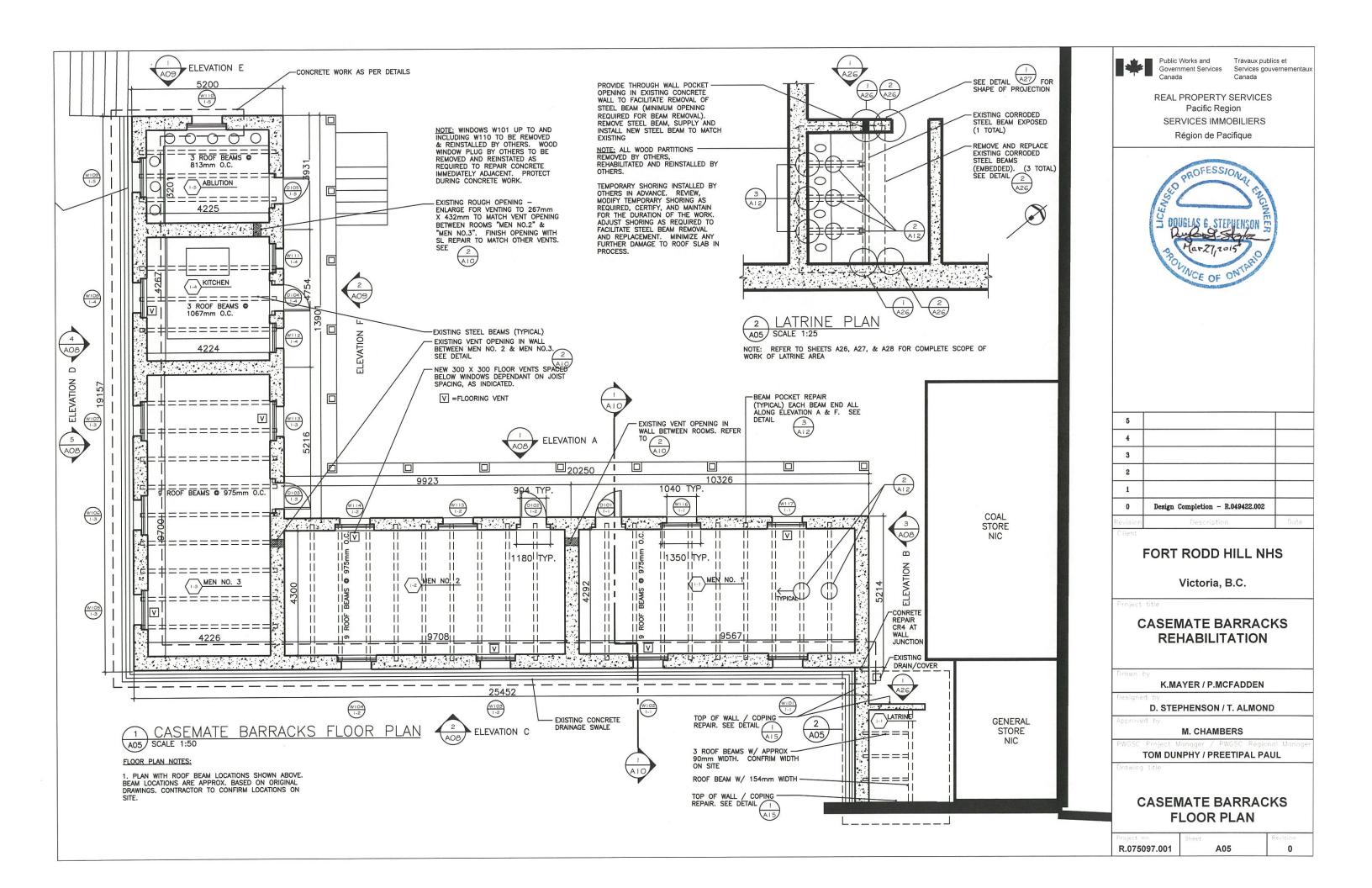
DRAWING INDEX / GENERAL NOTES

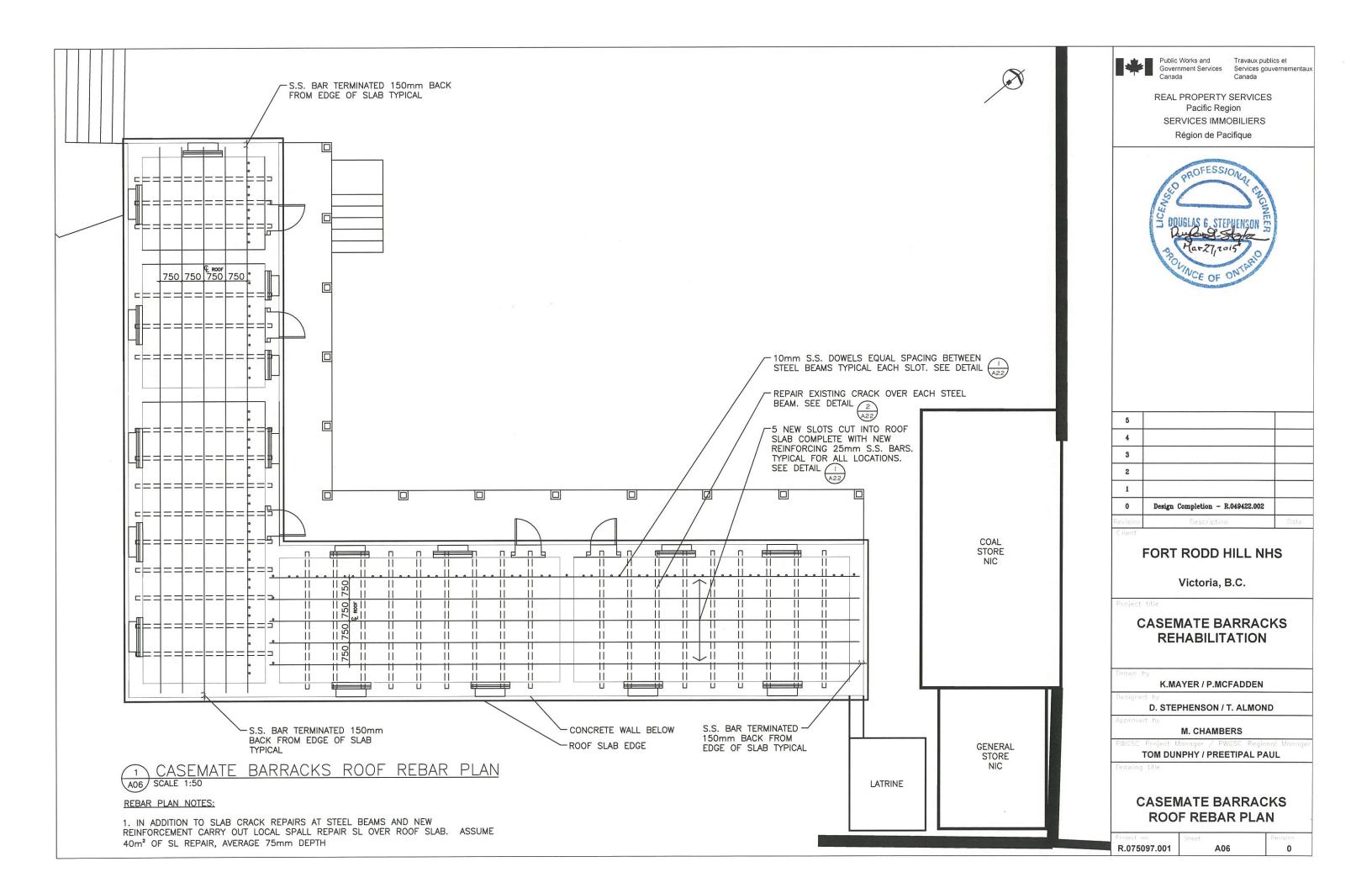
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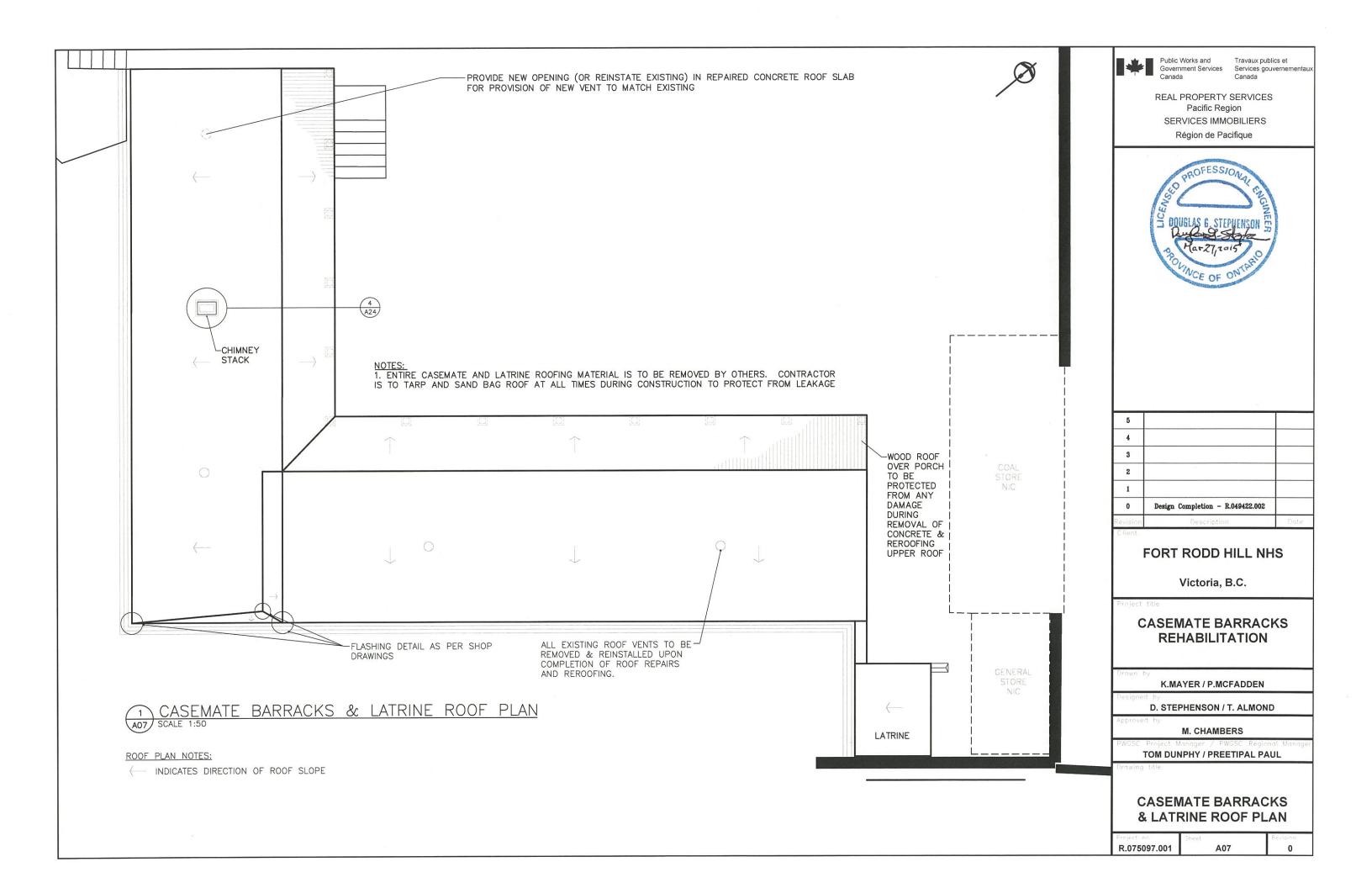


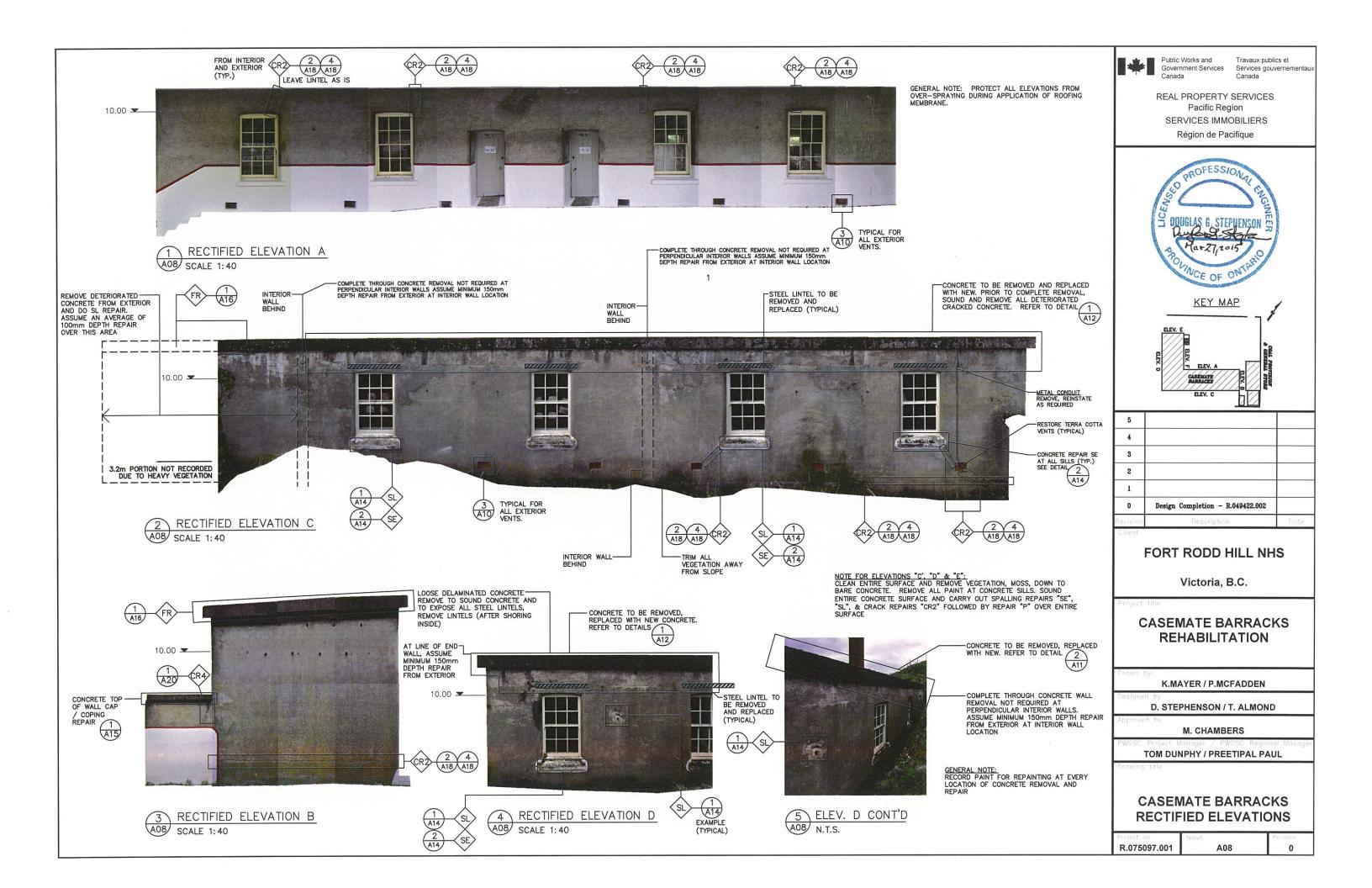


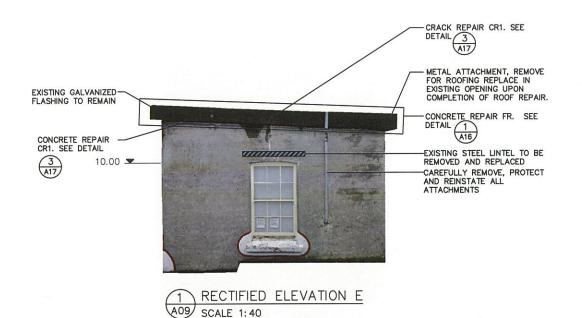






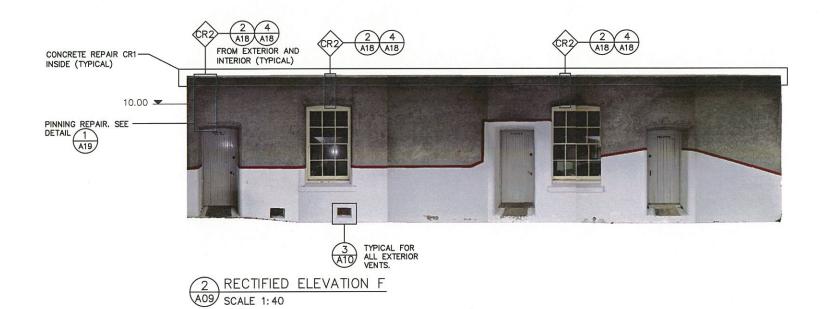






NOTES FOR ELEVATION "E":

- CLEAN ENTIRE SURFACE AND REMOVE VEGETATION, MOSS, DOWN TO BARE CONCRETE.
 DOCUMENT SHAPE AND DIMENSIONS OF PAINTED AREA PRIOR TO REMOVAL.
 REMOVE ALL PAINT AT CONCRETE SILLS.
 SOUND ENTIRE CONCRETE SUFFACE AND CARRY OUT SPALLING REPAIRS "SE", "SL", & CRACK REPAIR "CR2" FOLLOWED BY PARGING REPAIR "P" OVER ENTIRE SURFACE





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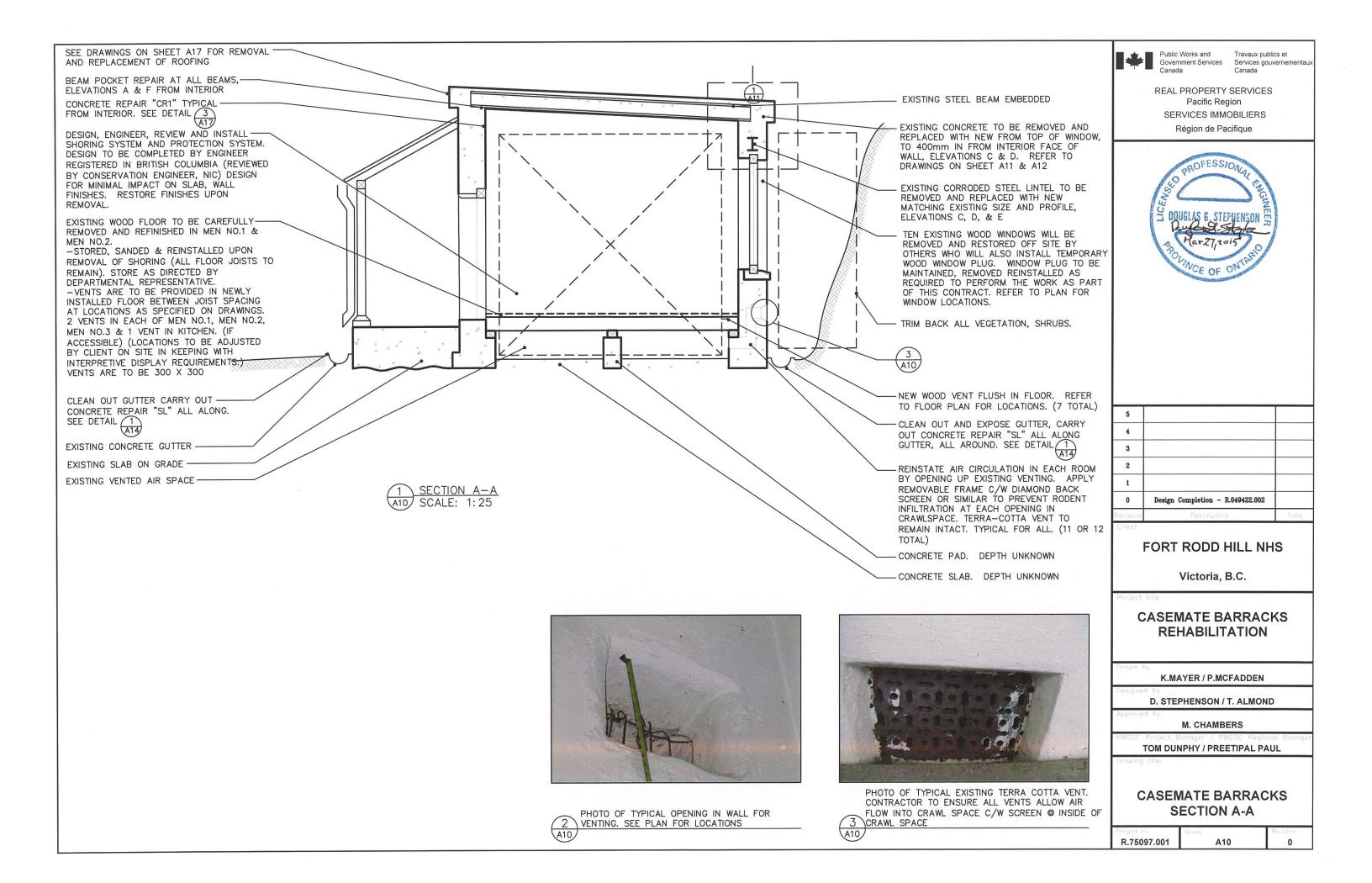
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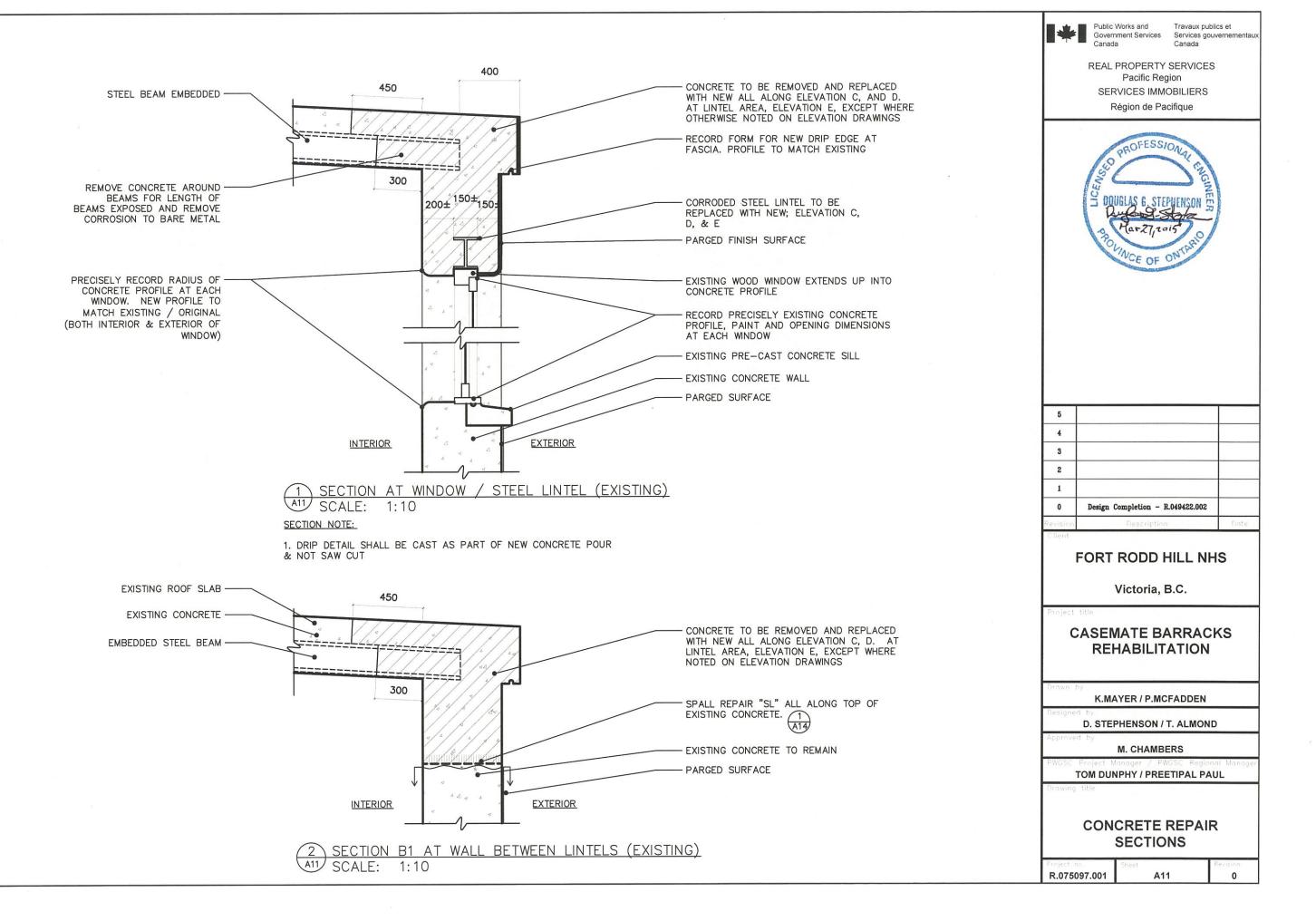
M. CHAMBERS

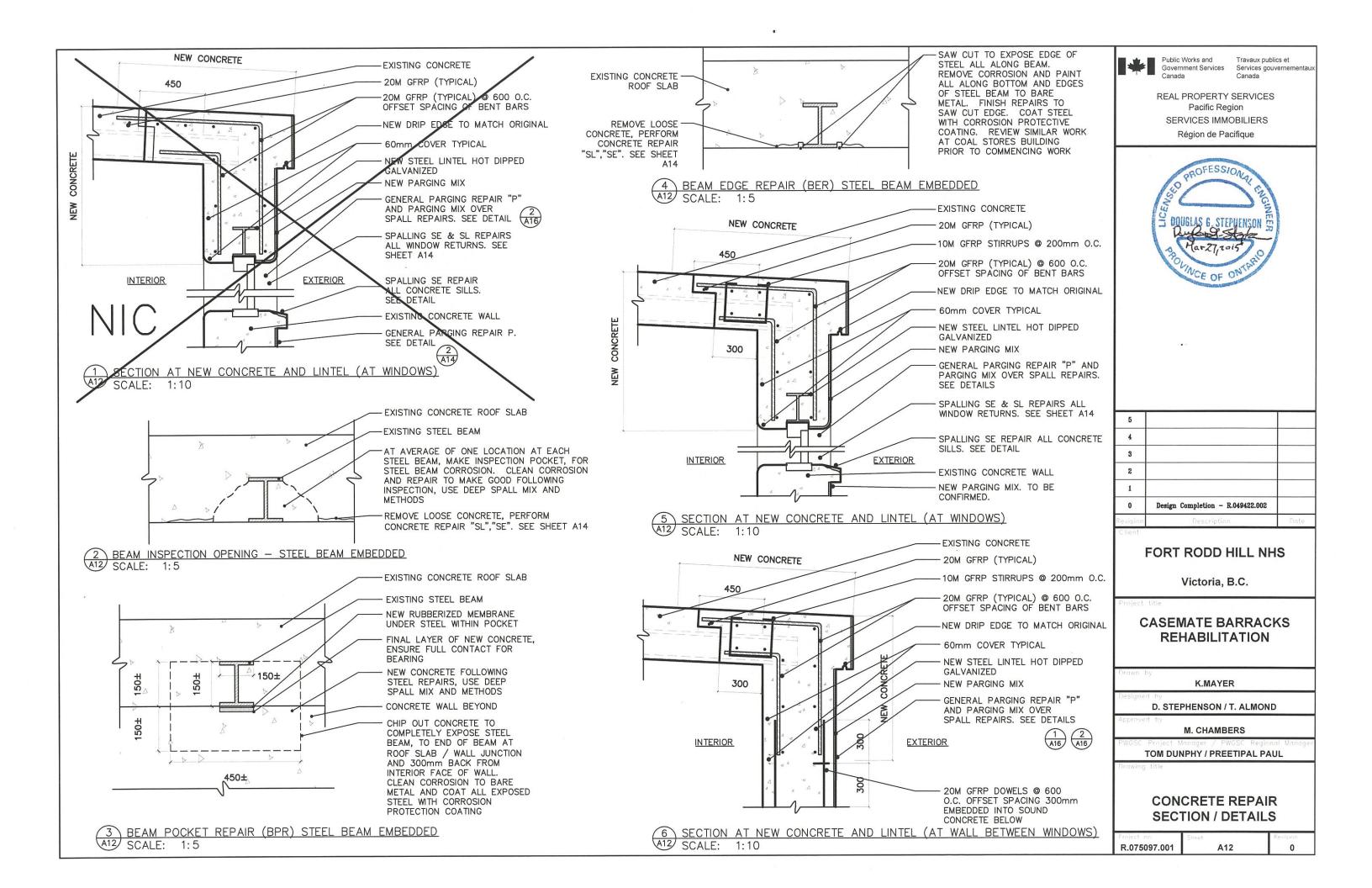
TOM DUNPHY / PREETIPAL PAUL

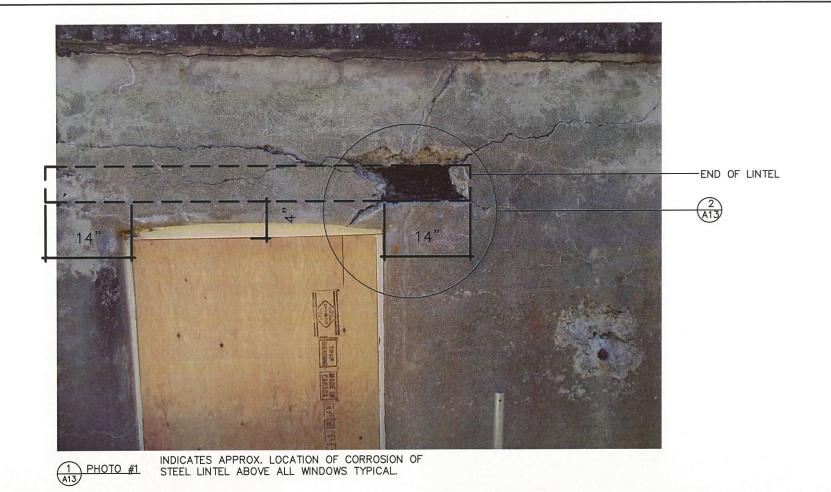
CASEMATE BARRACKS RECTIFIED ELEVATIONS

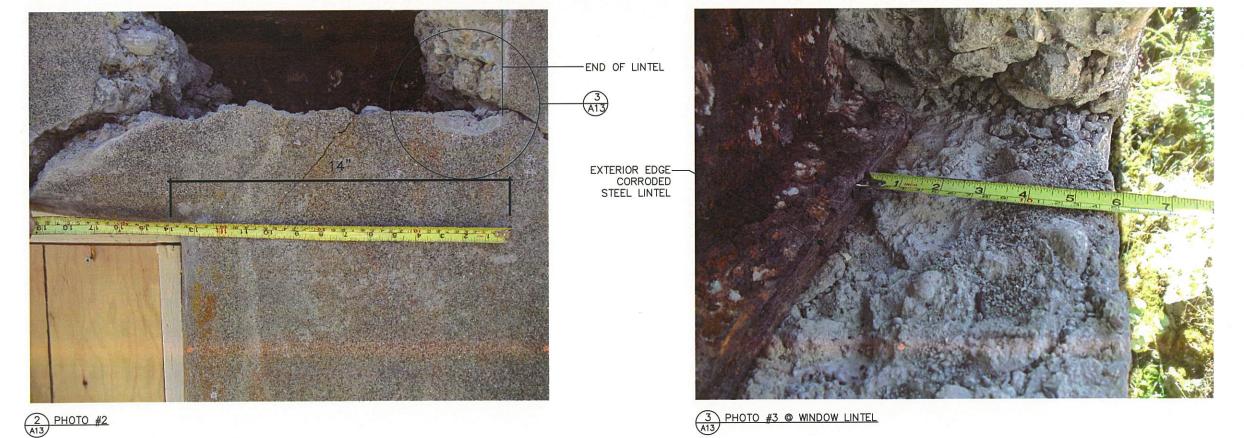
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K.MAYER

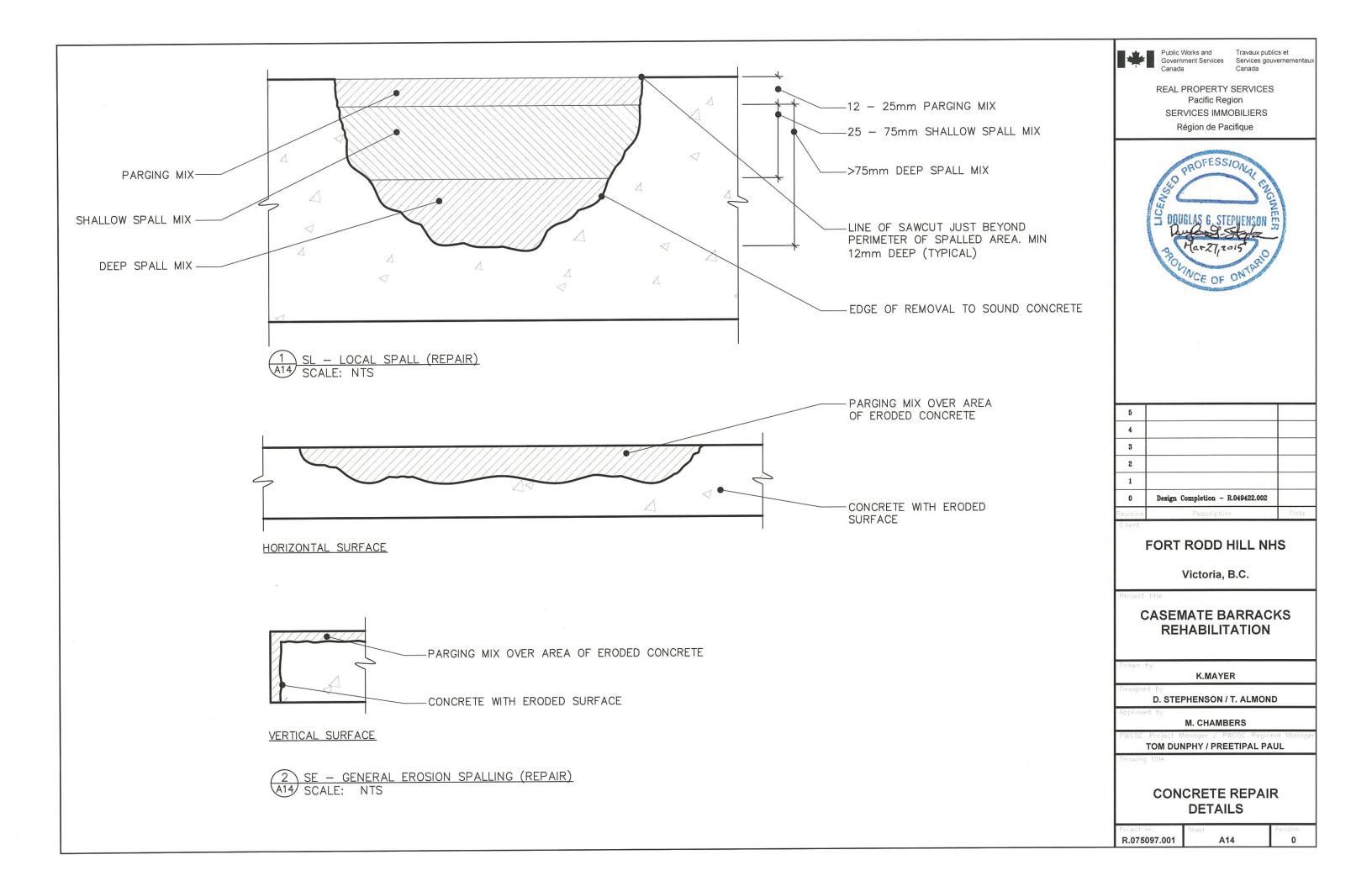
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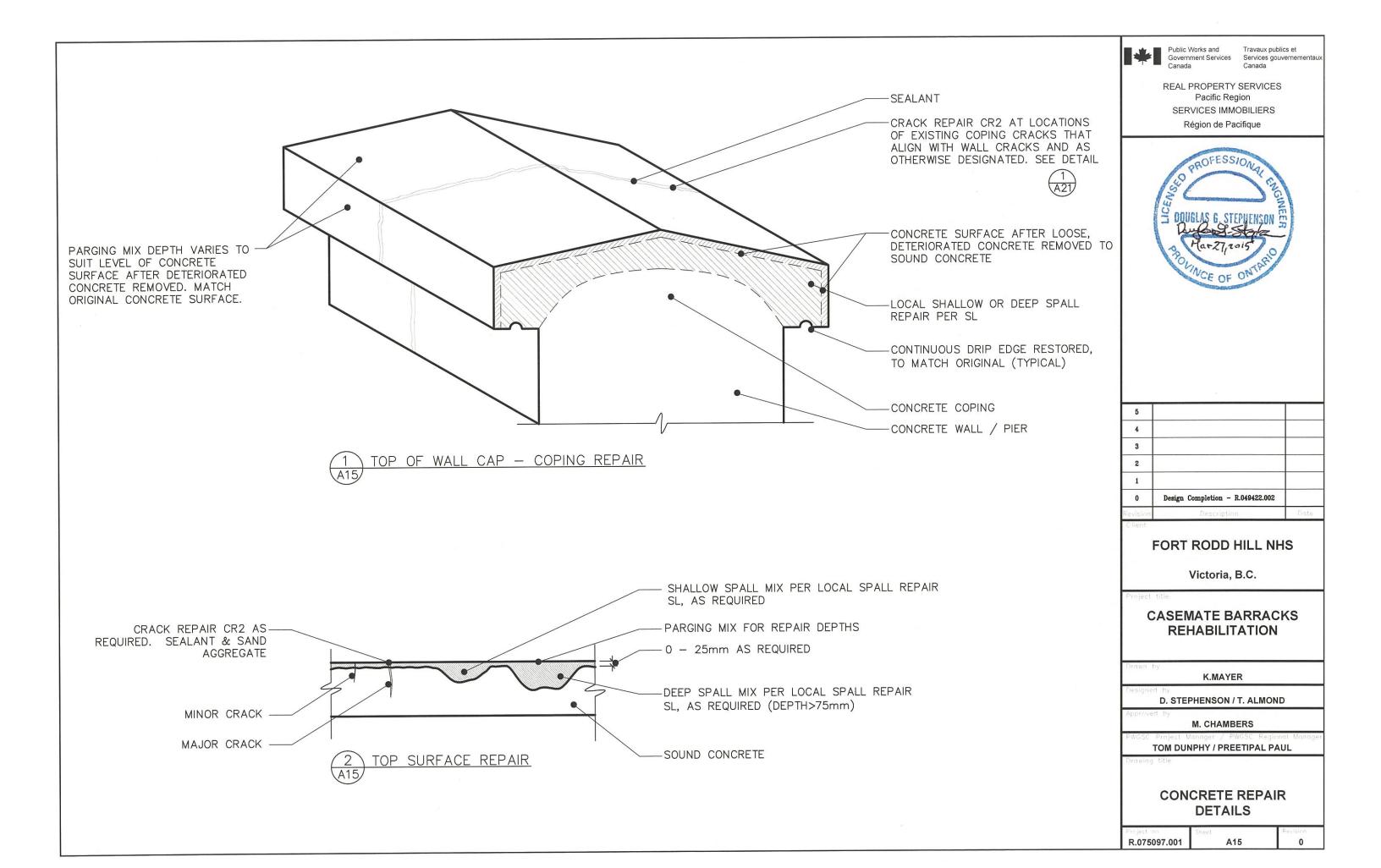
M. CHAMBERS

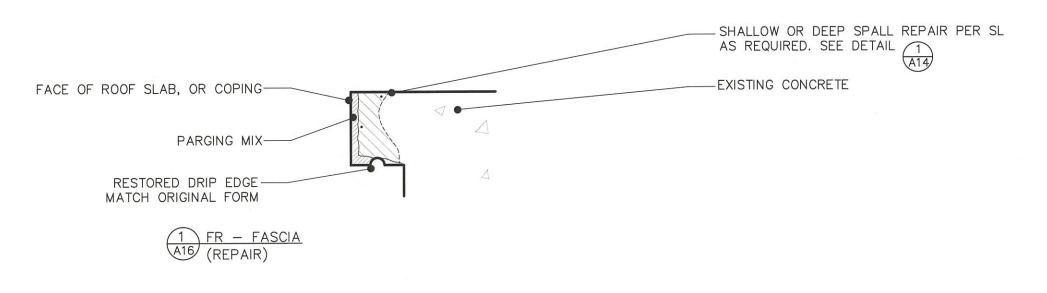
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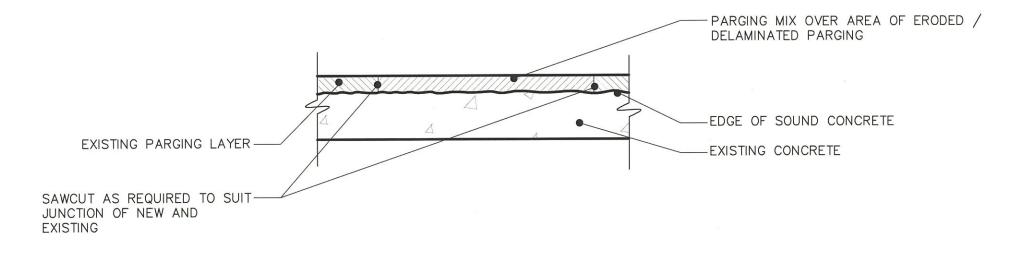
CONCRETE REPAIR REFERENCE PHOTOS

R.075097.001









P - GENERAL PARGING

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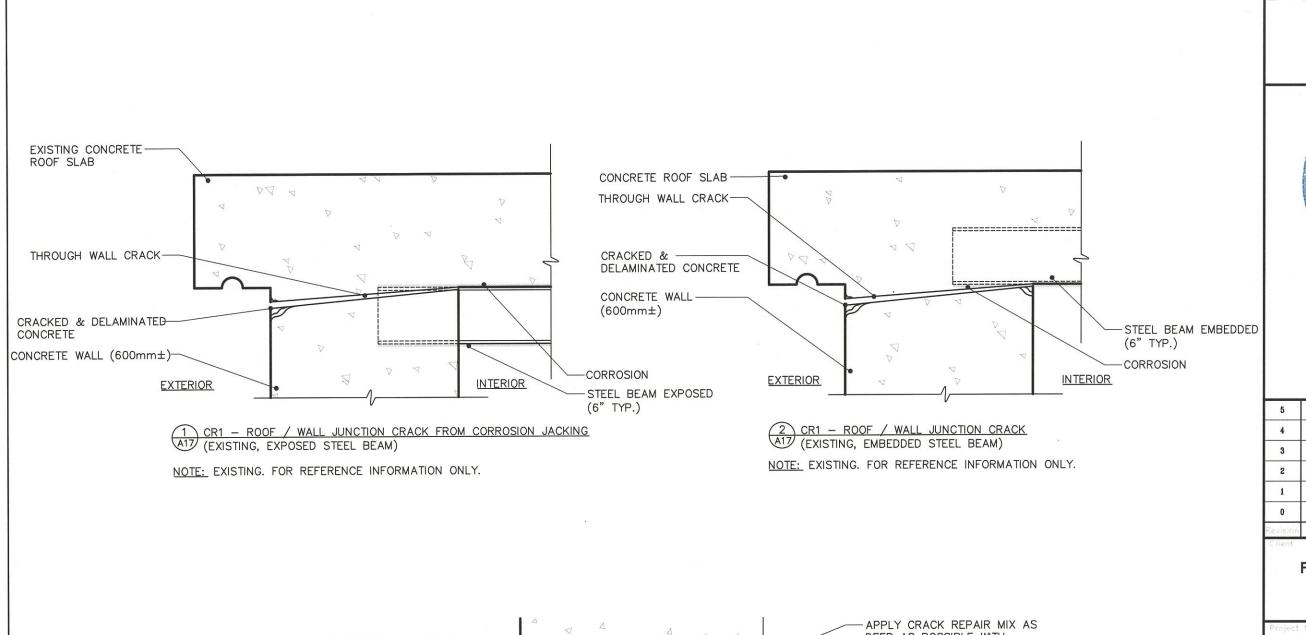
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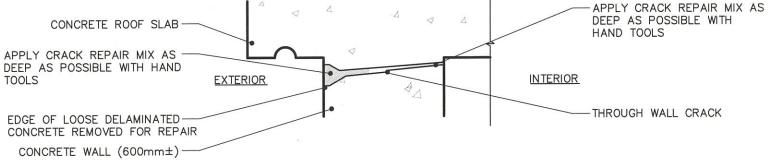
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CONCRETE REPAIR DETAILS





3 CR1 - ROOF / WALL JUNCTION CRACK FROM CORROSION JACKING A17 (REPAIR)

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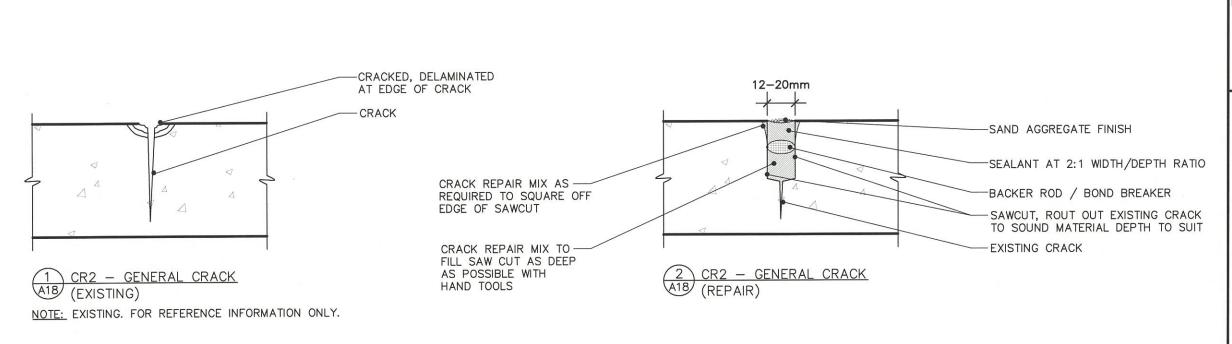
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CONCRETE REPAIR CR1 DETAILS





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CASEMATE BARRACKS REHABILITATION

K.MAYER

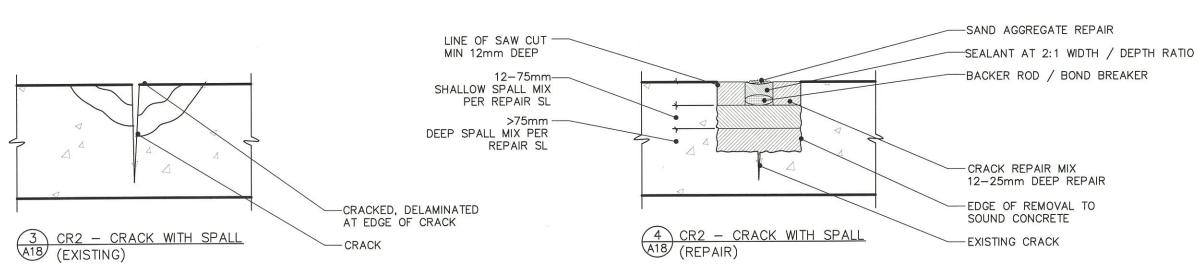
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M. CHAMBERS

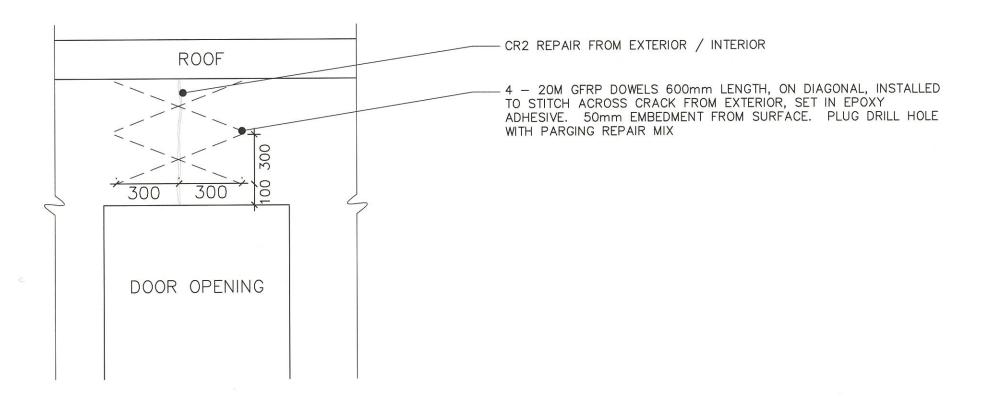
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CONCRETE REPAIR CR2 DETAILS

R.075097.001



NOTE: EXISTING. FOR REFERENCE INFORMATION ONLY.



1 CR3 - DOOR HEAD CRACK / PINNING REPAIR A19 SCALE: NTS

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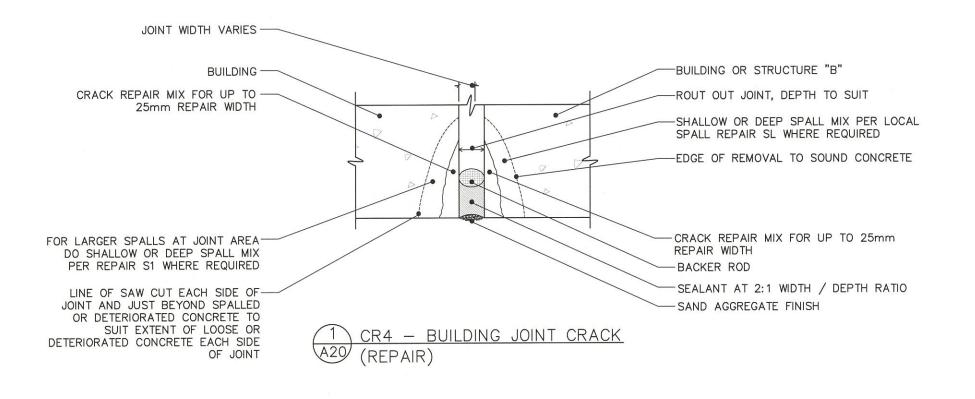
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CONCRETE REPAIR CR3 DETAILS





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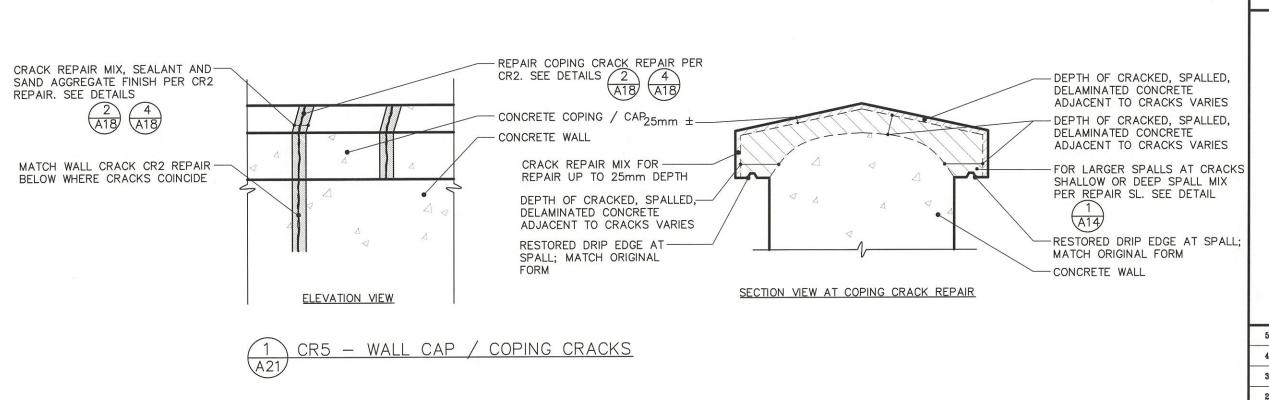
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CONCRETE REPAIR **CR4 DETAILS**

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CASEMATE BARRACKS REHABILITATION

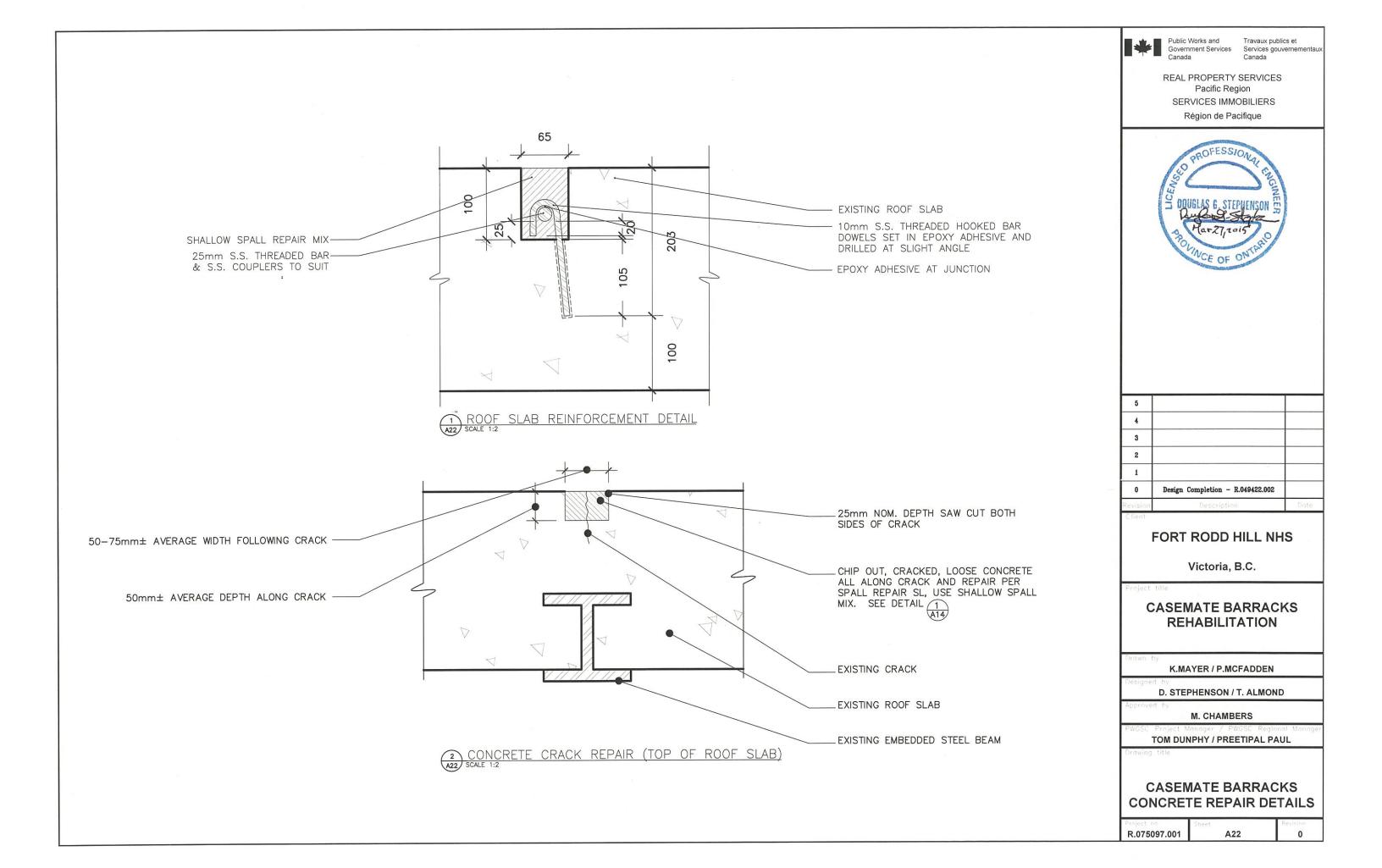
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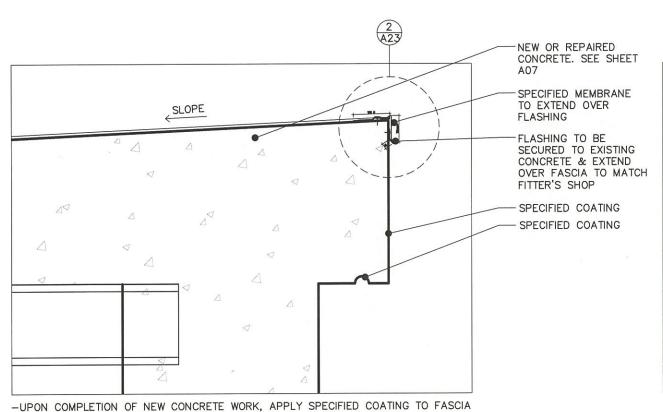
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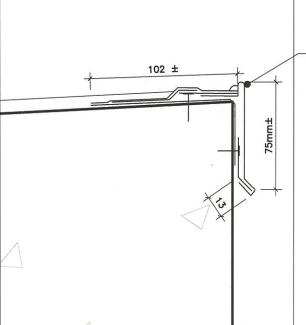
CONCRETE REPAIR **CR5 DETAILS**





AND UNDERSIDE OF SOFFIT

NOTE: FLASHING IS REQUIRED ALL ALL EDGES OF NEW AND REPAIRED CONCRETE FOR CASEMATE & LATRINE (REMOVED ON OTHER DRAWINGS FOR CLARITY OF CONCRETE REPAIRS)



DETAIL OF METAL FASCIA EDGE

A23 SCALE NTS



- FACTORY FINISHED METAL FLASHING TO ENTIRE ROOF OVER NEW OR REPLACED CONCRETE.

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REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique



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Victoria, B.C.

CASEMATE BARRACKS REHABILITATION

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CASEMATE BARRACKS **FLASHING DETAILS**





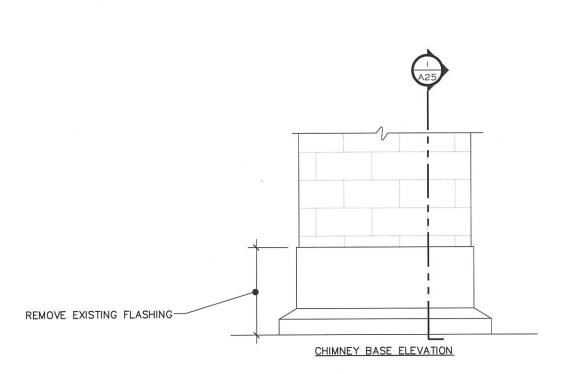


2 PHOTO OF CHIMNEY CAP
SCALE NTS



3 PHOTO OF CHIMNEY CAP

-EXISTING CHIMNEY RAIN CAP



EXISTING VENT

EXISTING BRICK TO BE SALVAGED AND REINSTALLED

NEW FLASHING AS PER DETAIL

NEW FLASHING AS PER DETAIL

EXISTING MORTAR CAP TO BE REPAIRED

CHIMNEY CAP ELEVATION

CHIMNEY CAP ELEVATION

CHIMNEY DETAILS (EXISTING)

A24 SCALE NTS

NOTE: PLEASE REFER TO PHOTOS ABOVE FOR CLARIFICATION ON EXISTING CHIMNEY CONDITION

CAREFULLY REMOVE EXISTING ROOF FLASHING, REMOVE TAR (OR FABRICATE NEW FLASHING TO MATCH EXISTING)

REINSTALL EXISTING FLASHING OR NEW TO MATCH EXISTING UPON COMPLETION OF ROOF REPAIRS. INSTALL NEW FLASHING.



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CASEMATE BARRACKS REHABILITATION

K.MAYER / P.MCFADDEN

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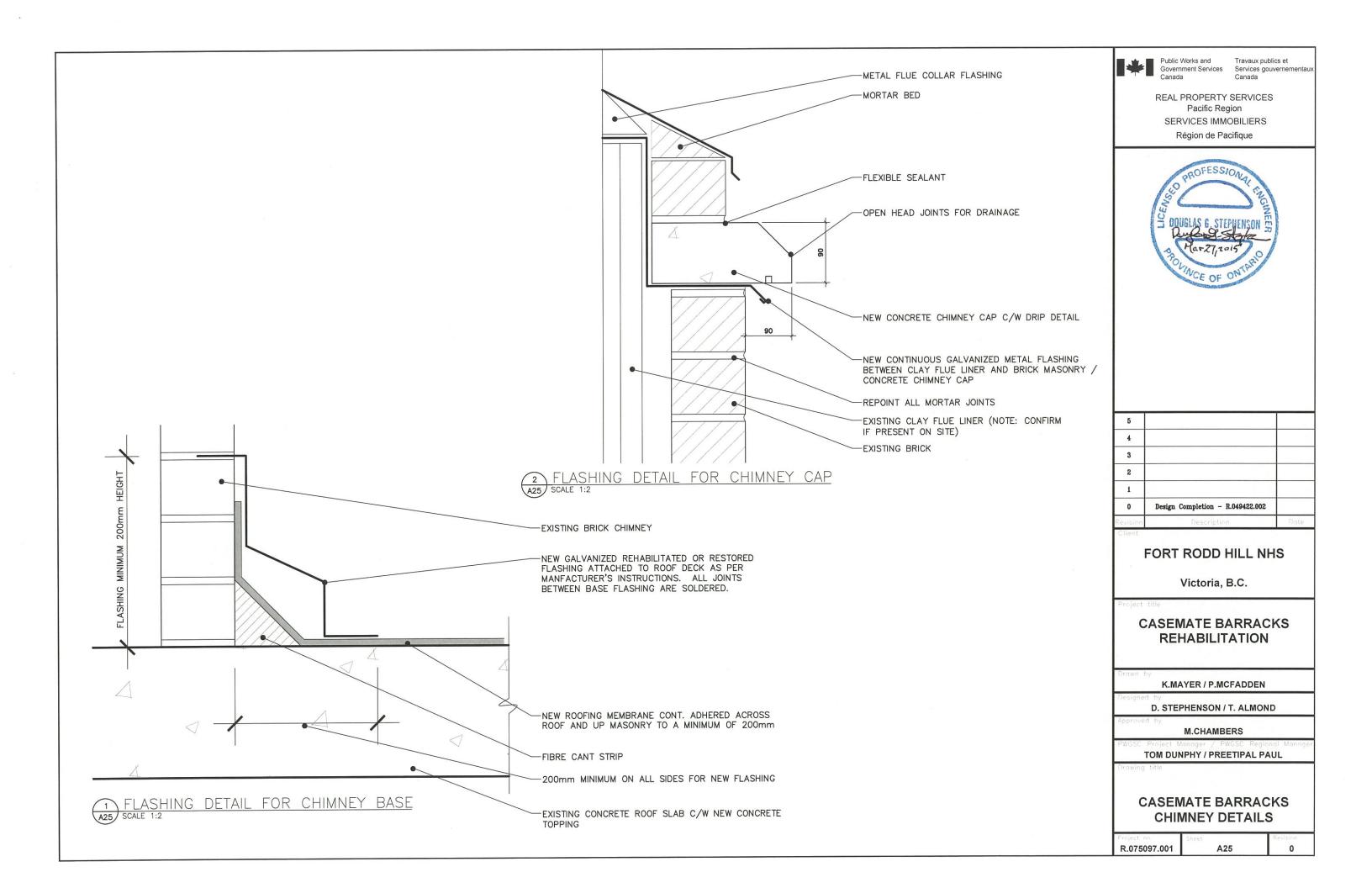
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CASEMATE BARRACKS
CHIMNEY DETAILS

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A24

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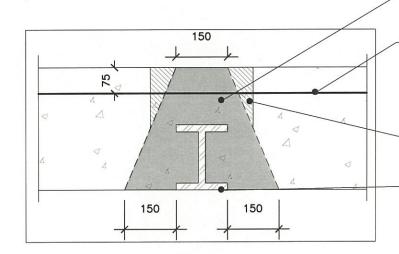


1 LATRINE ELEVATION A26 SCALE NTS

NOTES ON PARGING OVER CONCRETE PATCH:
APPLY PARGING WITH TROWEL AND FILL GAPS

APPROXIMATE LOCATION OF NEW OPENING IN CONCRETE TO BE PROVIDED WHERE EXISTING BEAM IS TO BE REMOVED AND NEW BEAM TO MATCH EXISTING TO BE INSERTED. REPAIR OPENING WITH DEEP SPALL MIX.

AREA OF CONCRETE TO BE CAREFULLY REMOVED TO FACILITATE REMOVAL OF STEEL BEAM AFTER SCAFFOLDING HAS BEEN ERECTED BY OTHERS. BEAM IS TO BE CAREFULLY REMOVED AT THIS END WITH AS MINIMAL INTERVENTION TO EXISTING CONCRETE AS POSSIBLE.



-MINIMAL CONCRETE REMOVAL AND REPLACEMENT FOR STEEL BEAM REPLACEMENT

-25M S.S. BAR CUT IN SLOTS @ 600 O.C. PER DETAIL 1

NOTE: MAKE INSPECTION OPENING PER $\frac{2}{A12}$ PRIOR TO BEAM REMOVAL

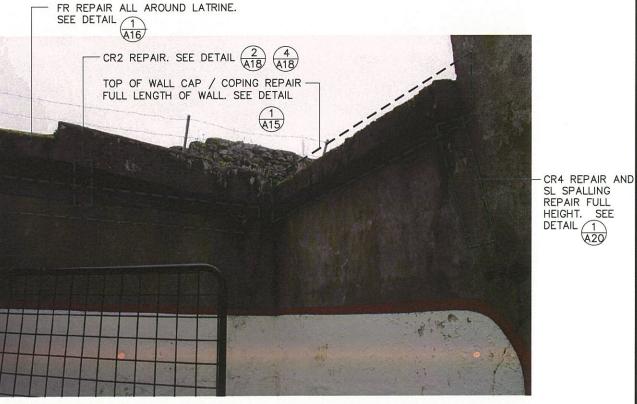
"DOVE TAIL' REMOVAL LINE FOR CONCRETE REMOVAL FOR MECHANICAL **ENGAGEMENT**

CORRODED STEEL BEAM TO BE REMOVED AND REPLACED TO MATCH. BEAM POCKET REPAIR (SIMILAR TO 3) TO SUIT AT EACH END

2 LATRINE - STEEL BEAM EMBEDDED REPLACEMENT DETAIL
A26 SCALE: 1:5

LOCATION OF EXISTING DRAIN / COVER. COVER TO PREVENT MATERIAL FROM ENTERING DURING CONCRETE REMOVAL ADJACENT





LATRINE - REPAIRS A26 SCALE: 1:5

Public Works and Government Services

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CASEMATE BARRACKS LATRINE CRACK REPAIRS

R.075097.001

SL SPALLING



CR2 REPAIR. SEE DETAIL -

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CASEMATE BARRACKS LATRINE CRACK REPAIRS



CR4 REPAIR PRIOR TO REROOFING. SEE DETAIL (1)



2 LATRINE - REPAIRS
A28 SCALE: 1:5

- FR REPAIR ALL AROUND. SEE DETAIL $\begin{pmatrix} 1 \\ A16 \end{pmatrix}$

-TOP OF WALL CAP / COPING. SEE DETAIL $\begin{pmatrix} 1 \\ A15 \end{pmatrix}$

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1 LATRINE - REPAIRS

SCALE: 1:5