

CANADA
U.S.A.

PRELIMINARY
NOT FOR CONSTRUCTION

Client CANADA BORDER SERVICES AGENCY 427 Laurier Avenue West, 10th Floor Ottawa, Ontario, K1A 0L8	Project title EXPANSION OF CBSA INSPECTION INFRASTRUCTURE AT EMERSON MB	Drawing title SITE PLAN EXISTING	Drawn by JAMES HUTCHINGS		PWGSC Project Manager JAMES HUTCHINGS	
			Designed by		Project no. R.068431.003	
			Approved by		Date APRIL 16, 2014	Sheet



200

75

CANADA
U.S.A

29

BOUNDARY AVENUE IS UNDER MANITOBA CONTROL BUT A LETTER OF AUTHORIZATION FROM THE INTERNATIONAL BOUNDARY COMMISSION IS REQUIRED TO PERFORM ANY TYPE OF WORK OR ADDITION TO WORKS WITHIN 10 FT. OF THE BOUNDARY.

MANITOBA INFRASTRUCTURE and TRANSPORTATION

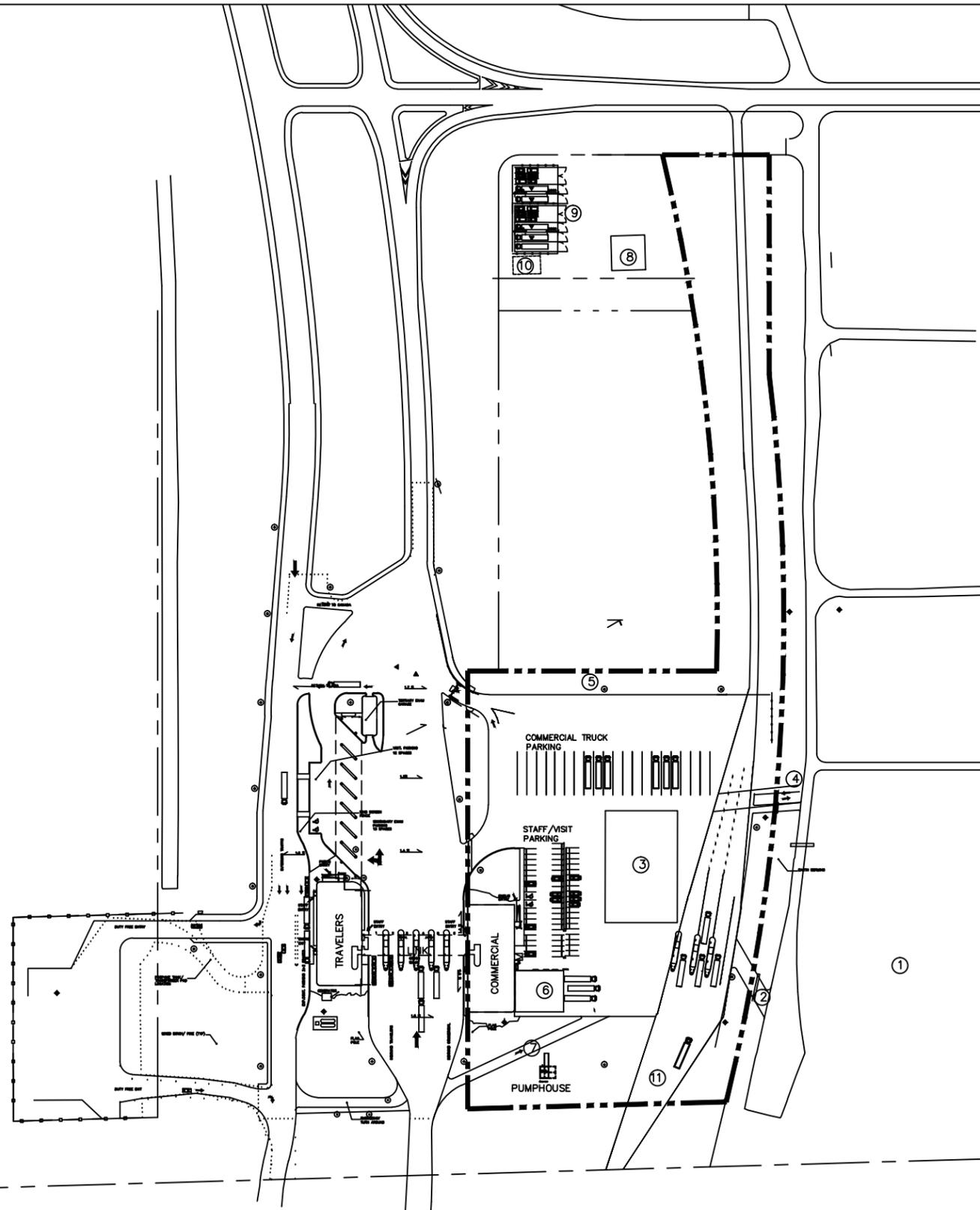
**PEMBINA - EMERSON
PORT OF ENTRY
SHOWING
PLAN OF OWNERSHIP**

DECEMBER 2013



LEGEND

- HMQ CANADA - HER MAJESTY THE QUEEN, CANADA
- HMQ MANITOBA - HER MAJESTY THE QUEEN, MANITOBA
- CT - CERTIFICATE OF TITLE



- ① 5m WIDE BYPASS LANE FOR OVERHEIGHT AND/OR OVERWIDTH VEHICLES (MAY NOT BE REQUIRED IF OUTSIDE PIL BOOTH DOES NOT HAVE A CANOPY OVERHANG)
- ② CLOSE EXISTING STAFF ENTRANCE
- ③ 33.53M X 51.82M RADIATION SAFETY ZONE FOR MOBILE LARGE SCALE IMAGING (M-LSI)
- ④ NEW STAFF VEHICLE ENTRANCE
- ⑤ EXISTING DRAINAGE DITCH
- ⑥ PROPOSED ADDITION TO COMMERCIAL BLDG.
- ⑦ MODIFY EXISTING BYPASS LANE (TO BE USED ON A TEMPORARY BASIS ONLY) WHEN NEW COMMERCIAL BYPASS LANES ARE IN OPERATION .
- ⑧ PWGSC MAINTENANCE GARAGE (RELOCATED)
- ⑨ SEIZED VEHICLE COMPOUND (RELOCATED)
- ⑩ VACIS STORAGE BLDG (RELOCATED)
- ⑪ HATCHED AREA DENOTES AREA OF POSSIBLE LOCATION OF 3 NEW INBOUND COMMERCIAL BY-PASS LANES

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Client
CANADA BORDER SERVICES AGENCY
427 Laurier Avenue West, 10th Floor
Ottawa, Ontario, K1A 0L8

Project title
**EXPANSION OF CBSA INSPECTION
INFRASTRUCTURE AT EMERSON MB**

Drawing title
**SITE PLAN
REVISED OPTION - DEC 2014**

Drawn by
J.H.

Designed by
J.H.

Approved by

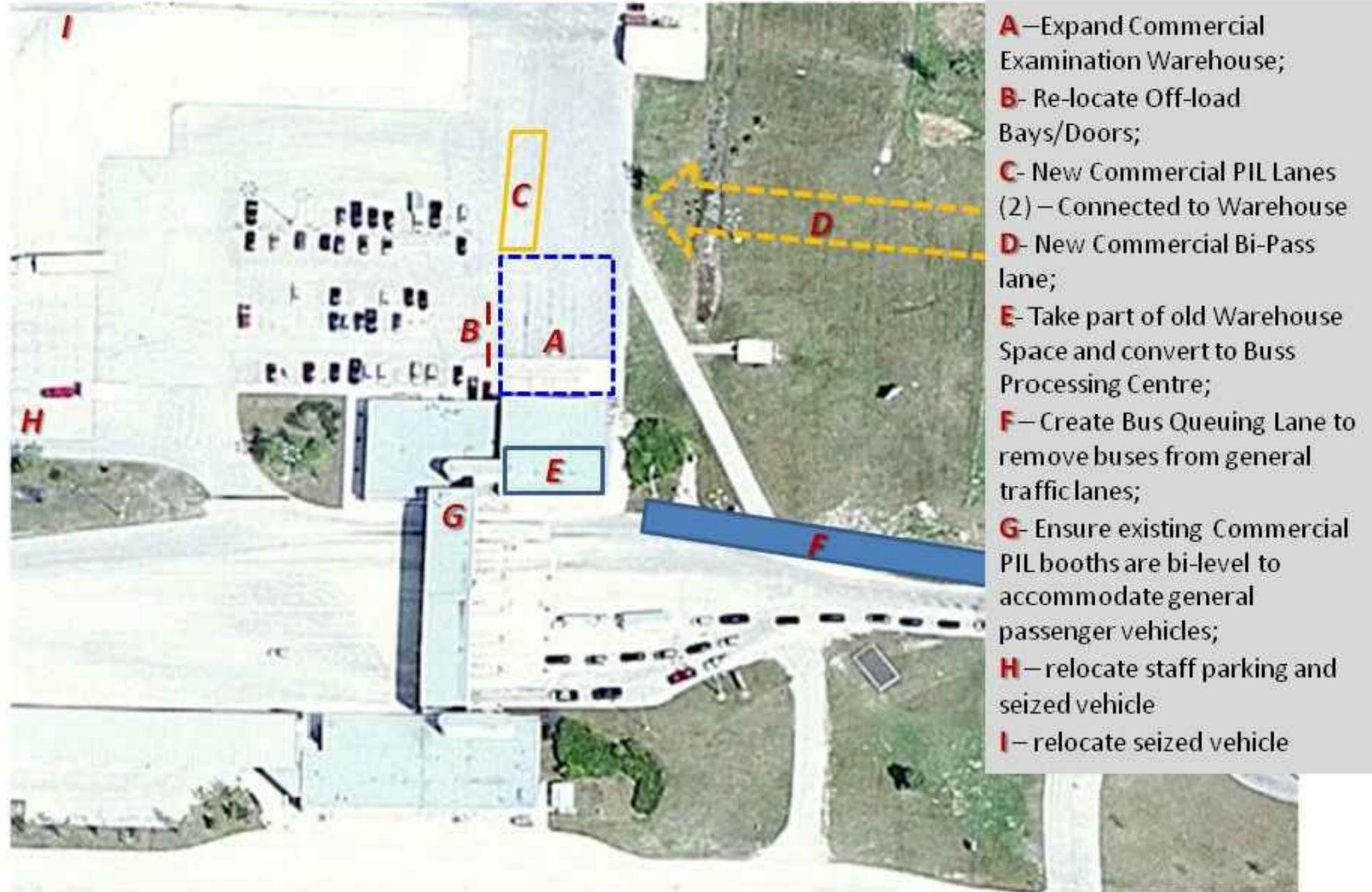
PWGSC Project Manager
JAMES HUTCHINGS

Project no.
R.068431.003

Date DEC. 2014	Sheet	Revision
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Emerson POE – BtB Concept Option (district design)



- A**—Expand Commercial Examination Warehouse;
- B**- Re-locate Off-load Bays/Doors;
- C**- New Commercial PIL Lanes (2) – Connected to Warehouse
- D**- New Commercial Bi-Pass lane;
- E**- Take part of old Warehouse Space and convert to Buss Processing Centre;
- F**— Create Bus Queuing Lane to remove buses from general traffic lanes;
- G**- Ensure existing Commercial PIL booths are bi-level to accommodate general passenger vehicles;
- H**—relocate staff parking and seized vehicle
- I**—relocate seized vehicle

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Client CANADA BORDER SERVICES AGENCY 427 Laurier Avenue West, 10th Floor Ottawa, Ontario, K1A 0L8	Project title EXPANSION OF CBSA INSPECTION INFRASTRUCTURE AT EMERSON MB	Drawing title CONCEPT OPTION REGION DESIGN	Drawn by JAMES HUTCHINGS		PWGSC Project Manager JAMES HUTCHINGS	
			Designed by		Project no. R.068431.003	
			Approved by		Date JUNE 2014	Sheet



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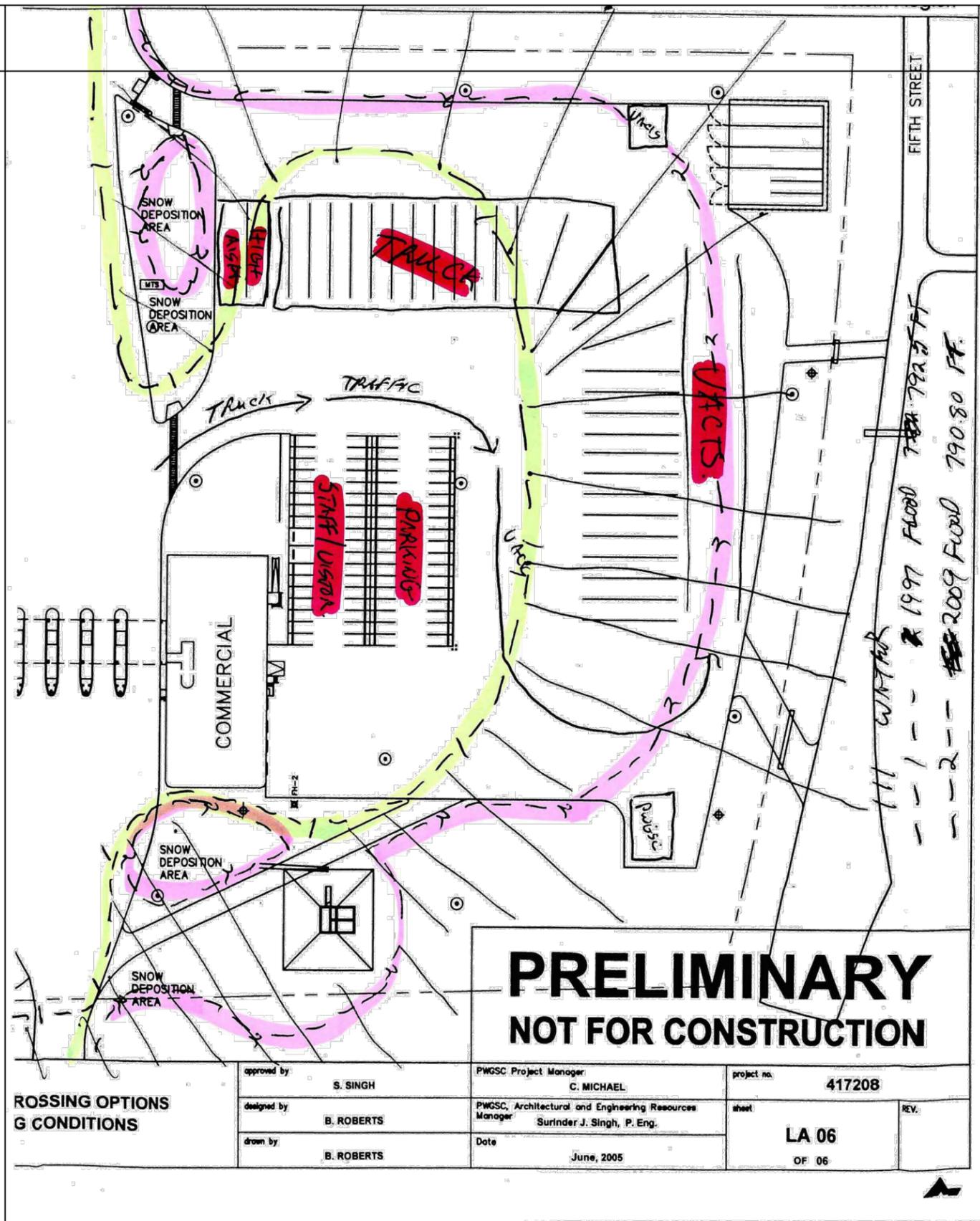
Client
CANADA BORDER SERVICES AGENCY
427 Laurier Avenue West, 10th Floor
Ottawa, Ontario, K1A 0L8

Project title
**EXPANSION OF CBSA INSPECTION
INFRASTRUCTURE AT EMERSON MB**

Drawing title
AERIAL VIEW

Drawn by
JAMES HUTCHINGS
Designed by
Approved by

PWGSC Project Manager
JAMES HUTCHINGS
Project no.
R.068431.003
Date
JUNE 2014
Sheet
Revision



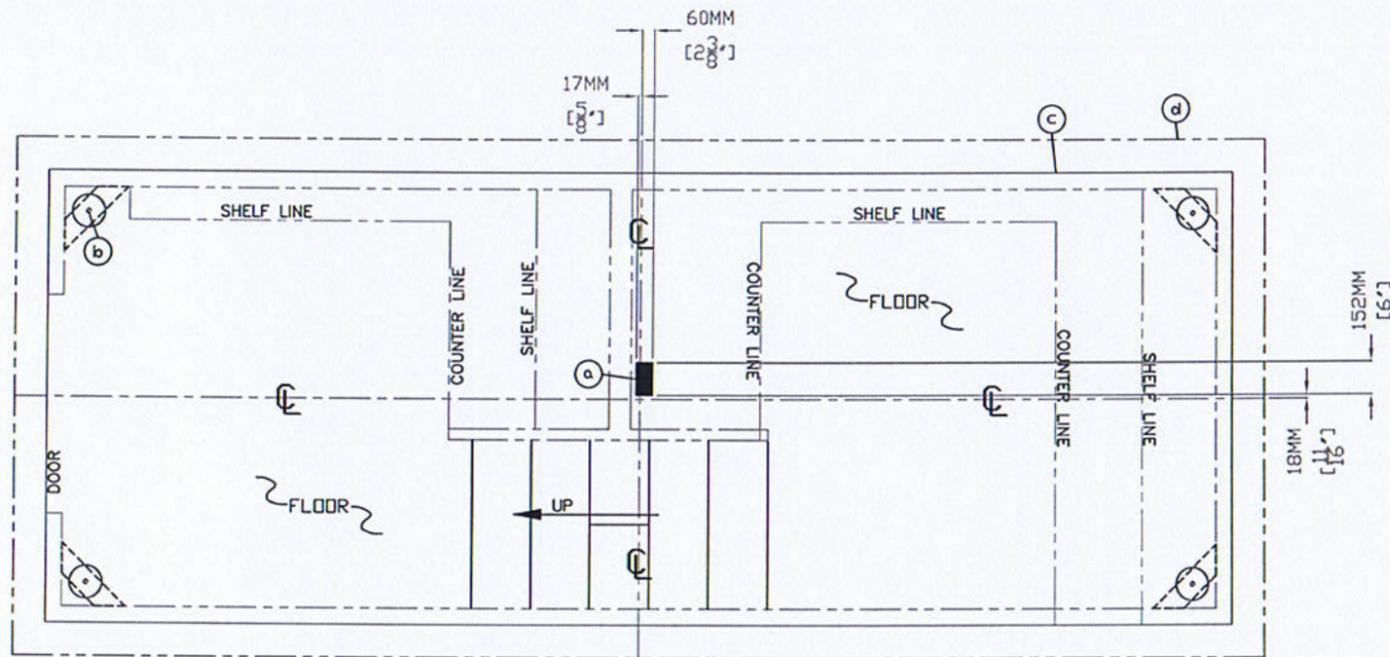
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Client
CANADA BORDER SERVICES AGENCY
427 Laurier Avenue West, 10th Floor
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Project title
**EXPANSION OF CBSA INSPECTION
INFRASTRUCTURE AT EMERSON MB**

Drawing title
EXTEND OF FLOODING

Drawn by JAMES HUTCHINGS	PWGSC Project Manager JAMES HUTCHINGS		
Designed by	Project no. R.068431.003		
Approved by	Date JUNE 2014	Sheet	Revision

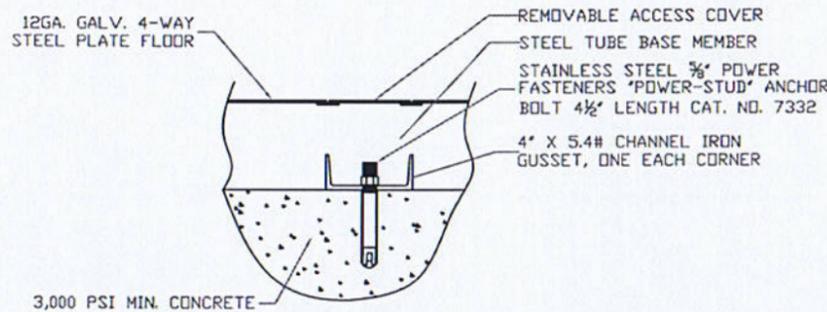


SERVICE ENTRANCE/ANCHOR BOLT LAYOUT

- a. SLOT IN FLOOR FOR ELECTRICAL SERVICE ENTRANCE TO C.B. PANEL.
- b. 4" X 5.4# CHANNEL IRON WITH A 3/4" ANCHOR BOLT HOLE AND REMOVABLE ACCESS COVER, 4-REQ'D, ONE EACH CORNER. ANCHOR BOOTH AFTER FINAL LOCATION. ANCHOR BOLTS NOT INCLUDED.
- c. OUTER EDGE OF BOOTH.
- d. SUGGESTED MINIMUM FOUNDATION/SLAB.

GENERAL SITE INSTALLED ITEMS PROVIDED BY OTHERS

1. CONCRETE FOUNDATION/SLAB MINIMUM 6" DEEP 3,000 PSI MINIMUM (28 DAY ACI 318) REINFORCED. THE FOUNDATION/SLAB SHOULD BE MINIMUM OF 12" WIDER THAN THE ROOF LINE DIMENSIONS TO ALLOW A 6" CONCRETE BORDER ON EACH SIDE OF THE BUILDING ROOF LINE.
2. ADEQUATE SIZE DRILLED ANCHOR BOLTS. SUGGESTED SIZE 3/8" X 4 1/2" POWER FASTENERS "POWER STUD" CATALOG #7432.



FIELD DRILLED ANCHOR BOLT DETAIL
NO SCALE

THIS DRAWING IS FOR REFERENCE PURPOSES ONLY. PAR-KUT BUILDINGS MUST BE SECURELY ANCHORED IN PLACE AND MUST BE PROPERLY GROUNDED. ADEQUATE SIZED ANCHOR BOLTS SHALL BE USED. THE SIZE AND DEPTH OF THE ANCHORS SHOULD BE OF SUFFICIENT DESIGN TO WITHSTAND THE HIGHEST RECORDED WIND SPEEDS IN THE AREA OF INSTALLATION. CONSULT A PROFESSIONAL ENGINEER FAMILIAR WITH THE WEATHER CONDITIONS IN THE AREA.

ARCHITECTURAL SHOP DRAWING REVIEW

- REVIEWED
- REVIEWED AS NOTED
- REVISE AND RESUBMIT

Shop drawing review is only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of the shop drawings submitted or other details, such as dimensions and quantities, or for substantiating instructions for installation or performance of equipment or systems, all of which remain the responsibility of the Contractor, as required by the Contract documents. The Architect's review of the Contractor's submittals shall not relieve the Contractor of his obligations. The Architect's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by the Architect, of any construction means, methods, techniques, sequences or procedures. The Architect's review of a specific item shall not indicate review or approval of an assembly of which the item is a component.

The architectural component of shop drawings are only confirmed reviewed, upon the receipt of complete approvals from the General Contractor (GC). The GC confirmed review assumes that the work is within the shop drawing is what was specified/drawn on the Contract Documents and that full consideration by the GC for integration has taken place, prior to submission to the architect.

NOTE: THIS PRINT AND DESIGN ARE THE PROPERTY OF PAR-KUT INTERNATIONAL, INC. IT MUST NOT BE REPRODUCED IN ANY MANNER, NOR SHALL IT BE SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR CONSENT. IT SHALL BE USED ONLY AS A MEANS OF REFERENCE TO WORK DESIGNED AND FURNISHED BY PAR-KUT. PAR-KUT RESERVES THE RIGHT TO MAKE CHANGES TO DESIGN FOR ENGINEERING PURPOSES WITHOUT NOTICE. REVISIONS MAY NOT BE NOTED.

PAR-KUT INTERNATIONAL, INC.
40961 Production Drive
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Verne Reimer Architecture Incorporated

Date 01 APR 2012

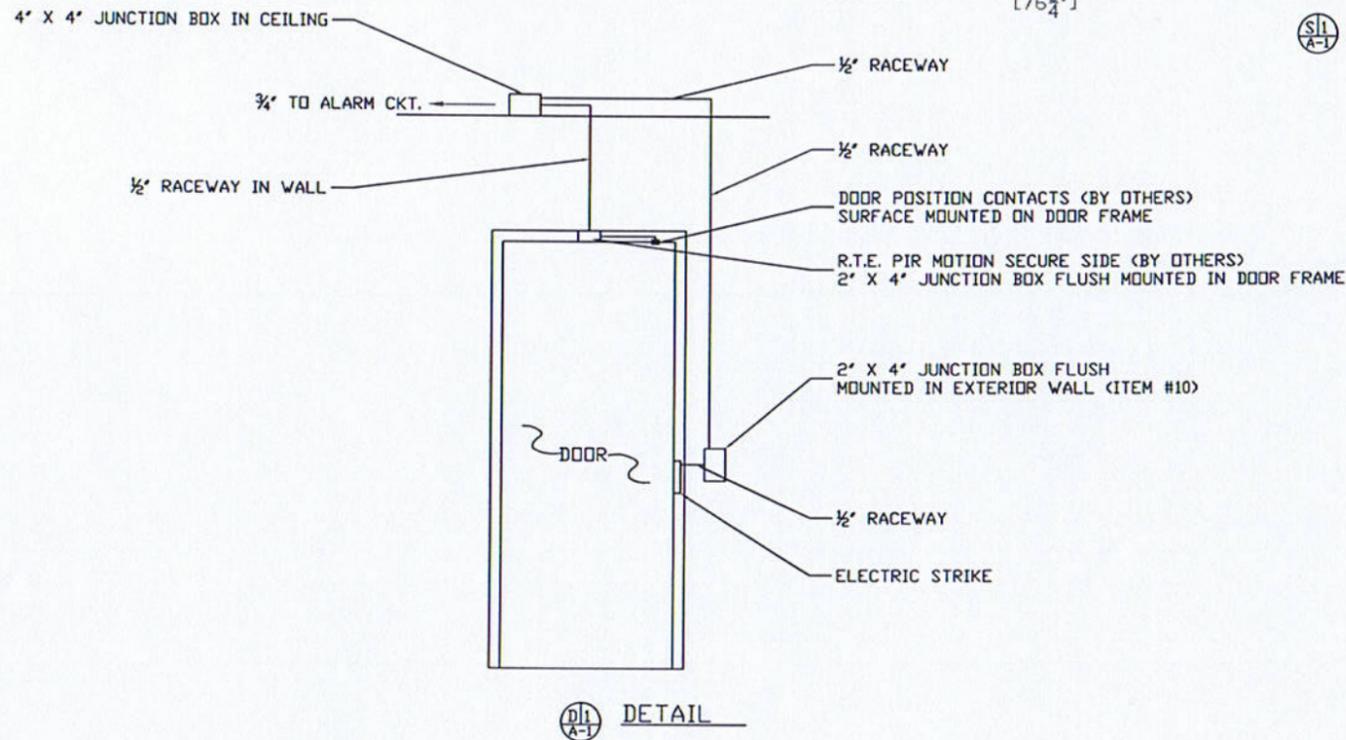
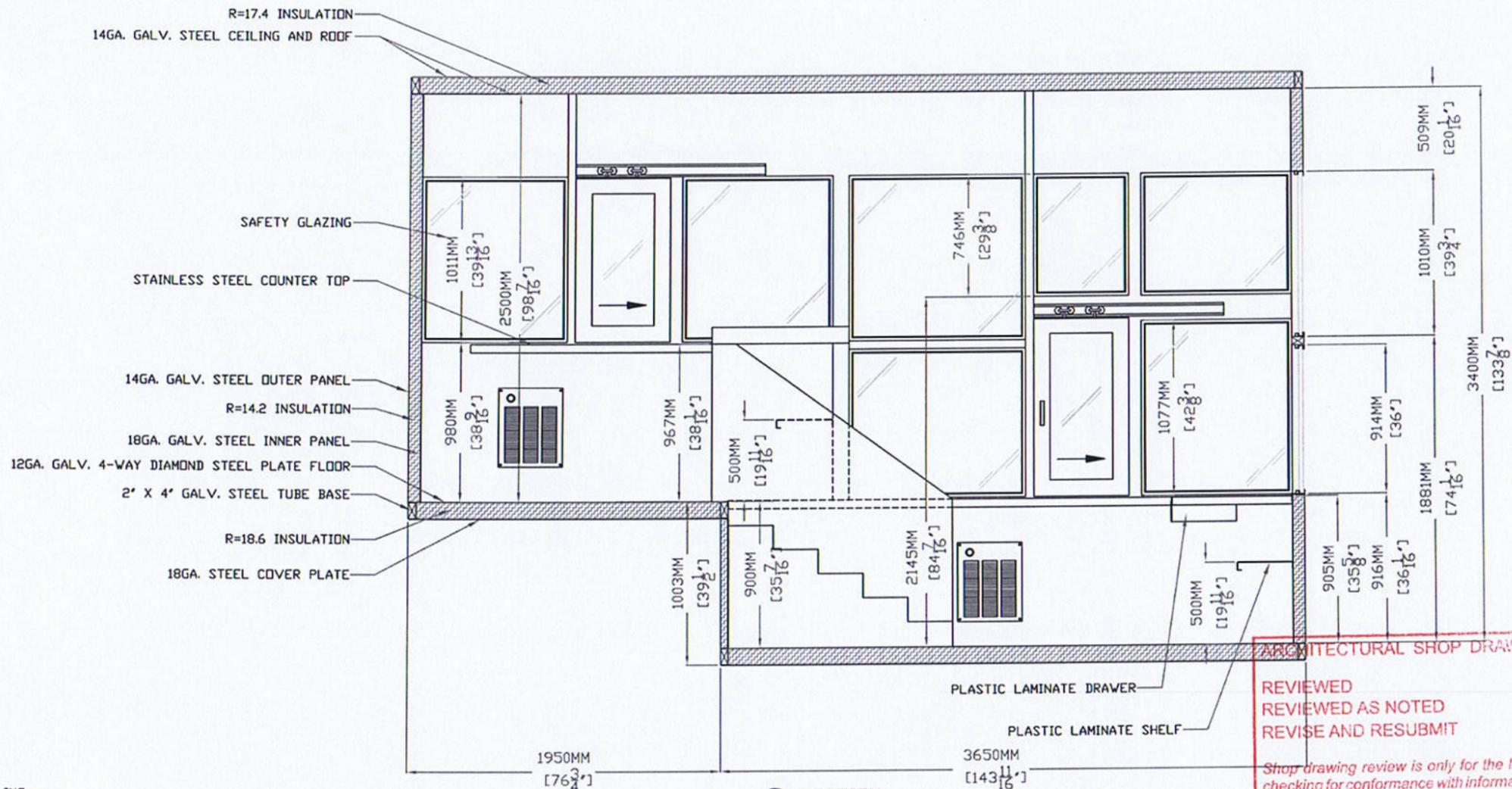
Page 2 of 4

Reviewed By: [Signature]

DWG# 11-250 SHEET A-2

CBSA PORT REPLACEMENT
PENN-CD CONSTRUCTION
COULTER, MANITOBA, CANADA

PO#	DRAWN BY	REVISED
SCALE	NTS	NSG
DATE	SIZE	QTY
9-15-2011	2100MM X 5600MM	1
CHK'D BY:	SALES REPRESENTATIVE BRIAN KENNY	



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Verne Reimer Architecture Incorporated
 Date 04 APR 2012
 Page 3 of 4
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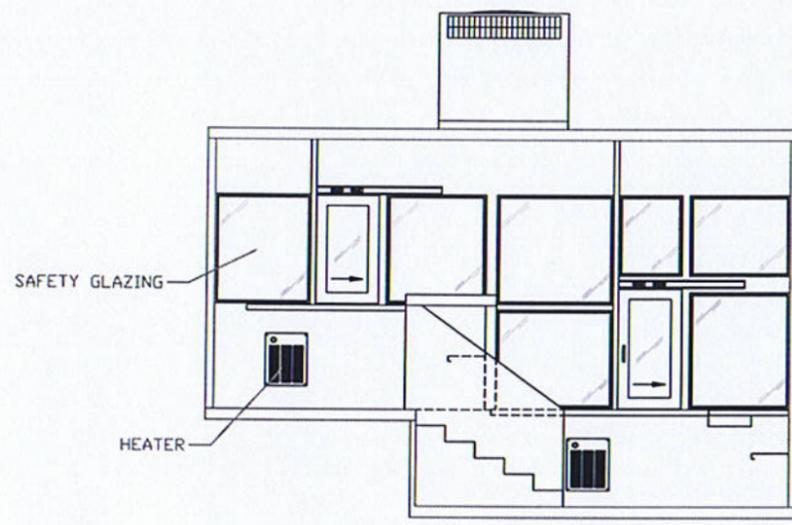
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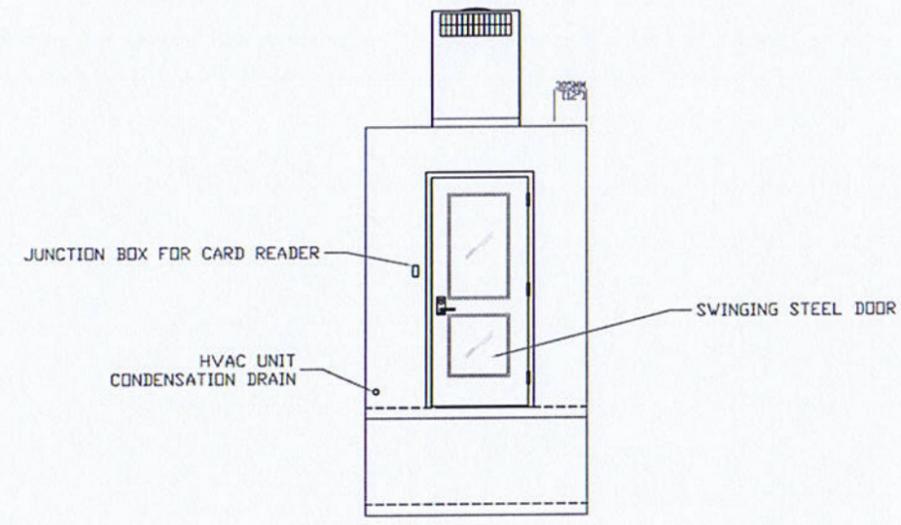
DWG# 11-250 SHEET A-3

CBSA PORT REPLACEMENT
 PENN-CD CONSTRUCTION
 COULTER, MANITOBA, CANADA

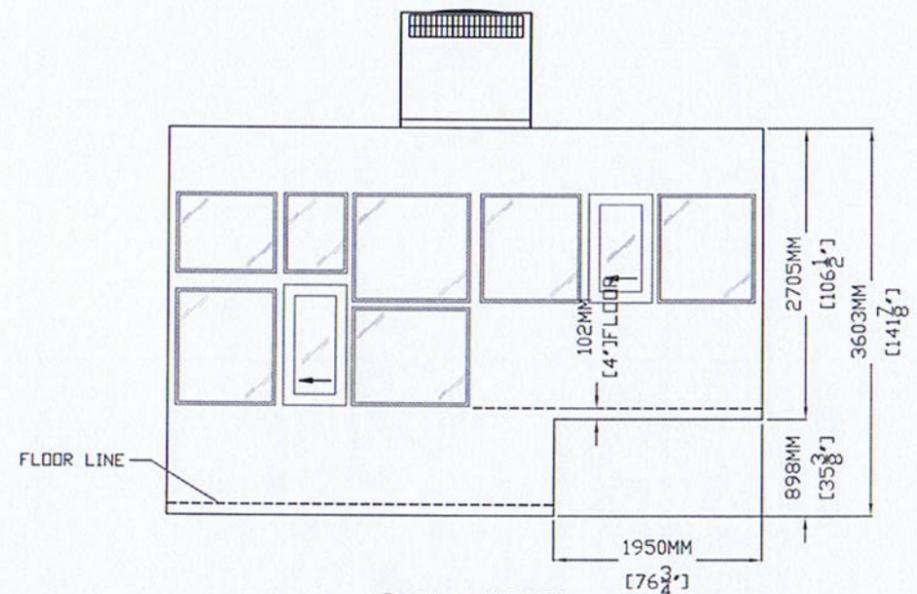
PO#	SCALE	DRAWN BY	REVISED
	NTS	NSG	3-28-2012
DATE	SIZE	QTY	
9-15-2011	2100MM X 5600MM	1	
CHK'D BY:	SALES REPRESENTATIVE		
	BRIAN KENNY		



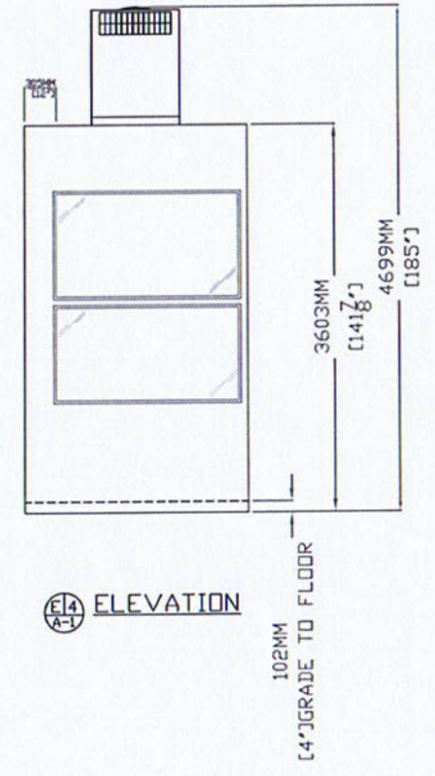
E1 ELEVATION



E2 ELEVATION



E3 ELEVATION



E4 ELEVATION

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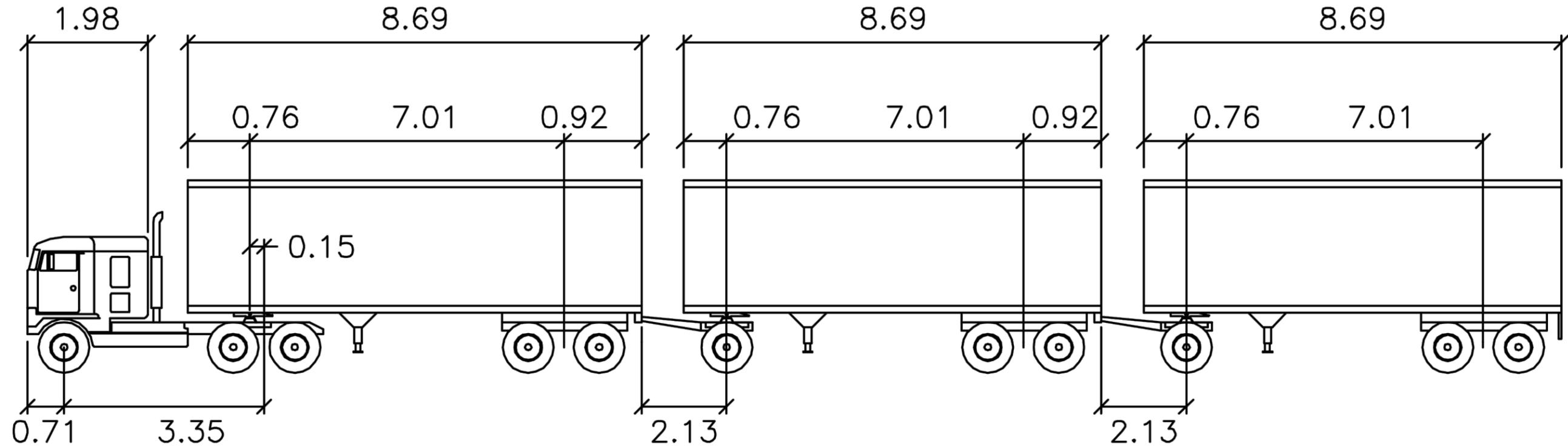
Verne Reimer Architecture Incorporated

Date 07 APR 2012

Page 4 of 4

Reviewed By [Signature]

DWG# 11-250		SHEET A-4	
CBSA PORT REPLACEMENT PENN-CO CONSTRUCTION COULTER, MANITOBA, CANADA			
PO#	DRAWN BY	REVISED	
SCALE	NTS	NSG	3-28-2012
DATE	9-15-2011	SIZE	2100MM X 5600MM
CHK'D BY:		SALES REPRESENTATIVE	1 BRIAN KENNY



WB-30TM
meters

Tractor Width : 2.44
Trailer Width : 2.59
Tractor Track : 2.44
Trailer Track : 2.59

Lock to Lock Time : 6.0
Steering Angle : 15.6
Articulating Angle : 70.0

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Client CANADA BORDER SERVICES AGENCY 427 Laurier Avenue West, 10th Floor Ottawa, Ontario, K1A 0L8	Project title EXPANSION OF CBSA INSPECTION INFRASTRUCTURE AT EMERSON MB	Drawing title DESIGN VEHICLE	Drawn by JAMES HUTCHINGS	PWGSC Project Manager JAMES HUTCHINGS		
			Designed by	Project no. R.068431.003		
			Approved by	Date JUNE 2014	Sheet	Revision



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427 Laurier Avenue West, 10th Floor
Ottawa, Ontario, K1A 0L8

Project title
**EXPANSION OF CBSA INSPECTION
INFRASTRUCTURE AT EMERSON MB**

Drawing title
**AERIAL VIEW
OF 2009 FLOOD**

Drawn by
JAMES HUTCHINGS
Designed by
Approved by

PWGSC Project Manager
JAMES HUTCHINGS
Project no.
R.068431.003
Date
JUNE 2014
Sheet
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