



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave. Jaspe
5th floor/5e étage
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

**Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet Roof Replacement	
Solicitation No. - N° de l'invitation EP922-171041/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client AAFC EP922-171041	Date 2016-08-25
GETS Reference No. - N° de référence de SEAG PW-\$PWU-201-10829	
File No. - N° de dossier PWU-6-39113 (201)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-09-02	
Time Zone Fuseau horaire Mountain Daylight Saving Time MDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Ho (RPC), Hector	Buyer Id - Id de l'acheteur pwu201
Telephone No. - N° de téléphone (780) 901-0989 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: See Herein	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation
EP922-171041/A
Client Ref. No. - N° de réf. du client
AAFC EP922-171041

Amd. No. - N° de la modif.
002
File No. - N° du dossier
PWU-6-39113

Buyer ID - Id de l'acheteur
pwu201
CCC No./N° CCC - FMS No./N° VME

This amendment has been raised to attach Addendum #001 and to extend the closing date

On Page 1 of 21, under section Solicitation Closes

DELETE:
2016-08-31

INSERT:
2016-09-02

Please see attached PDF for Addendum #001

The following change(s) to the tender documents are effective immediately, and will form part of the contract documents:

1. GENERAL

1.1	The Bidding Documents are amended as noted in this Addendum, which consists of 5 pages and attached sketches.
1.2	This Addendum is issued prior to bid closing to incorporate revisions noted herein. Include in the Bid price all such revisions which will become part of the Work. Perform all such Work in accordance with the Contract Documents.
1.3	All affected drawings, schedules and panel changes shall be reflected in final as-built and manual submissions.
1.4	<p>*****</p> <p>Building Permit Application:</p> <p>The General Contractor shall apply and pay for the building permit. The General Contractor will need to coordinate with the permit authorities for inspection requirements, and sub-trade permits are the responsibility of the Contractor and their Sub-Contractors.</p> <p>*****</p>

2. CHANGES TO PREVIOUS ADDENDA

2.1	N/A
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3. DRAWINGS

3.1	<p><u>Drawing 7/A0.1 – Phasing</u></p> <p>Add: GENERAL NOTE FOR ALL PHASES: OPERATIONS AND EQUIPMENT IN 101 MANURE AREA IS TO REMAIN IN SERVICE 24 HOURS A DAY, 7 DAYS A WEEK FOR THE DURATION OF THE PROJECT.</p> <p>Refer to attached sketch ASK1.1.</p>
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3.2	<p><u>Drawing 1/A2.1 – RCP Demolition Plan</u></p> <p>Revise to read: 101 MANURE: REMOVE PRECAST CONCRETE CHANNEL PLANKING AND STEEL ROOF JOISTS. -REMOVE EXISTING CONCRETE BLOCK ON GRIDLINE B AND PREPARE FOR NEW WORK - REFER TO STRUCTURAL. HAZMAT ABATEMENT IS REQUIRED AT THIS LOCATION DUE TO VERMICULITE IN CORES. -CUT OFF ALL EXISTING STRUCTURE FLUSH WITH WALLS, DO NOT REMOVE EMBEDS ON GRIDLINES B AND 2 - WALLS CONTAIN HAZMAT VERMICULITE.</p> <p>Add: REMOVE PORTION OF EXISTING SHED ROOF AS REQUIRED, RE-INSTALL.</p> <p>Refer to attached sketch ASK1.1.</p>
3.3	<p><u>Drawing 2/A2.2 – Roof Construction Plan</u></p> <p>In order to accommodate the door sill and mechanical vent on the north side of the roof penthouse, an additional roof curb, gutter and scupper are required. Slope this area of the roof to the drain; locate drain adjacent to wall.</p> <p>Refer to attached sketch ASK1.1.</p>
3.4	<p><u>Drawing S1.1 – Structural Demolition and Proposed Plans</u></p> <p>Clarification: All existing steel concrete imbedments that are being removed or relocated are to be cut off from existing walls and ground flush to avoid removal that may disrupt existing walls containing asbestos that are not identified for abatement.</p> <p>Clarification: Remove and replace 7 rows of masonry, between gridlines 1 and 2, along grid line B. Coordinate removal with asbestos abatement. See attached Structural Detail on SSK001.</p> <p>Add: Support for Q-decking along grid line 2 to be provided by existing support angle bolted to adjoining wall, and existing deck ledge on exterior wall. Coordinate for installation of additional tubing or angles to match Q-deck height, and painting of re-used structural material. New ledger angles not to be anchored into walls containing asbestos.</p>
3.5	<p><u>Drawing S2.1 – Structural Details</u></p> <p>Add: See section details for proposed structural work on Structural Detail on SSK001, SSK002, and SSK003.</p>

3.6	<p><u>Drawing M1.1 – Mechanical Existing and Demolition</u></p> <p>Clarification: Coordinate with abatement contractor for asbestos abatement at penetrations prior to removal of existing Rain Water Leaders.</p>
3.7	<p><u>Drawing M1.2 – Mechanical New Construction</u></p> <p>Add: Provide additional storm drain piping, roof drains, and revisions to vents as required as shown in mechanical sketch, MSK001.</p> <p>Clarification: Provide Rain Water Leader s at 9 locations as shown at drops on drawing M1.2, coordinate with abatement contractor for asbestos abatement at penetrations prior to installing new discharge penetrations.</p>
3.8	<p><u>Drawing E1.1 – Electrical Existing and Demolition</u></p> <p>Clarification: The electrical power feeds supplying power to the manure room 101equipment, and the fire alarm system are to stay operational throughout construction. During the abatement process, the support of the conduits that are to remain in service should be confirmed with the abatement contractor prior to the asbestos abatement process starting. Power will need to be cycled off and on daily to the electrical conduits and equipment being maintained, to assist with the asbestos abatement process.</p>
3.9	<p><u>Drawing E1.2 – Electrical New Construction</u></p> <p>Clarification: Equipment specified as Encelium wireless lighting control products, may be supplied as Encelium or approved equivalent.</p> <p>Add: Provide 120V, 15A circuit and receptacle for lighting control system in Electrical room 128. Mount lighting control system equipment consisting of wall mount rack, rack mount power bar, control unit, router, switch, and power injector. Provide and install network cabling to wireless control modules as located on drawings.</p> <p>Add: Provide and install (4) 120V Class B GFI breakers to power receptacles for Rain Water Leaders (RWL), coordinate breaker installations in panels with available capacity, in proximity to proposed outlets, no more than 3 RWL outlets per circuit. Provide nine (9) receptacles for RWL, typical of all locations shown on M1.2 except for the Manure Room 101 RWL. Provide 15W/m heat trace for RWL as shown on M1.2.</p>

3.10	<p><u>Drawing E1.3 – Electrical Luminaire Schedule</u></p> <p>Clarification: Equipment specified as Encelium wireless lighting control products, may be supplied as Encelium or approved equivalent.</p> <p>Delete: 2 – Encelium Part Number 45311, Ethernet Switch Rackmount, 16 port. 3 – Encelium Part Number 1TPE.113GI, Power injector.</p> <p>Add: 1 – 24U, 2 post, wall mount rack. 1 – Ethernet Rackmount Switch, 12 port, Power-Over-Ethernet, Netgear, Model Number M4100-12GF, or approved equivalent.</p>
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4. SPECIFICATIONS

4.1	<p><u>Section 01 11 00 – Summary of Work</u></p> <p>Add to article 1.5 HAZARDOUS BUILDING MATERIALS DESCRIPTION OF THE WORK:</p> <p>1.5.2.5. Removal and disposal of asbestos-containing vermiculite insulation from the exterior block walls at the locations where rainwater leaders will be installed following Asbestos Maximum requirements.</p> <p>1.5.2.6. Removal and disposal of asbestos-containing vermiculite insulation from the concrete block walls between gridlines 1 and 2, along grid line B. Coordinate removal with structural drawings. Follow Asbestos Maximum requirements.</p>
4.2	<p><u>Section 22 13 18 – Drainage Waste and Vent Piping – Plastic</u></p> <p>Add: 2.2.2.1 PVC piping to have a flame spread rating less than 50 and smoke development less than 25. PVC piping to be marked as XFR or equivalent rating system.</p> <p>Add: 2.2.3.1 Cast iron piping to be supplied for all vertical sections, or sections exposed to mechanical damage, in place of PVC.</p>

5. COMMENTS

5.1

Comment:

Also, would you be able to let us know what make the fire alarm system is?

Response:

Conventional system, Edwards, EST – FireShield.



6. ATTACHMENTS

6.1

ASK1.1 –	11x17
SSK1 –	8 ½ x 11
SSK2 –	8 ½ x 11
SSK3 –	8 ½ x 11
MSK1 –	8 ½ x 11

End of Addendum No.1.



PHASE 1 - 3 MONTHS

DEMOLITION CONSTRUCTION: MANURE 101
100 METABOLISM 114 CALF

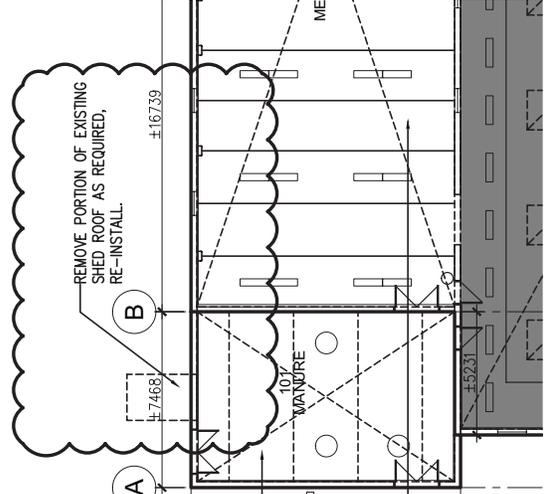
GENERAL NOTE FOR ALL PHASES:
OPERATIONS AND EQUIPMENT IN 101 MANURE
AREA IS TO REMAIN IN SERVICE 24 HOURS A
DAY DURING THE DURATION OF
THE PROJECT.

7 PHASING A0.1 NTS

101. MANURE:
REMOVE PRECAST CONCRETE CHANNEL
PLANKING AND STEEL ROOF JOISTS.
--REMOVE EXISTING CONCRETE BLOCK ON
GRIDLINE B AND PREPARE FOR NEW WORK
REFER TO STRUCTURAL HAZMAT
ABATEMENT IS REQUIRED AT THIS LOCATION
DUE TO VERMICULITE IN CORES.
--CUT OFF ALL EXISTING STRUCTURE FLUSH
WITH WALLS. DO NOT REMOVE EMBEDS ON
GRIDLINES B AND 2 - WALLS CONTAIN
HAZMAT VERMICULITE.

100. METABOLISM:
REMOVE EXISTING WOOD DECK PLANKING

ALL AREAS:
REMOVE EXISTING



1 RCP DEMOLITION PLAN A2.1 1:200

Project Name/Title du projet
Lethbridge Dairy Barn Roof Replacement
Lethbridge Research Centre

Drawing Title/Title de dessin
ASK1.1

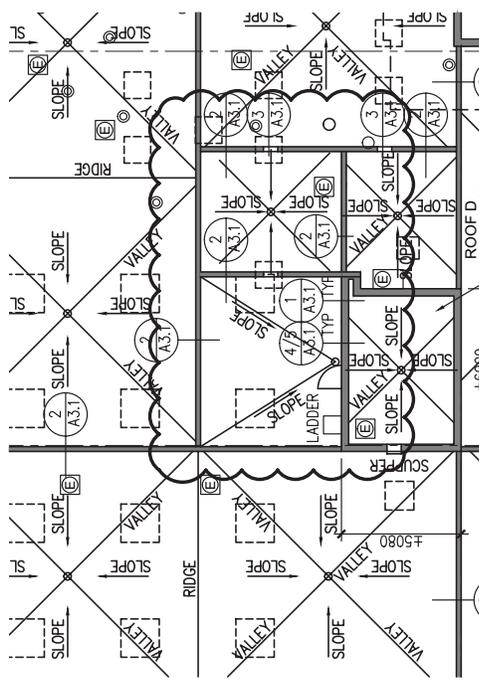
CKA ID
COUPLAND KRAEMER
ARCHITECTURE INTERIOR DESIGN

101, 4632, 1ST SE, CALGARY, AB, CANADA, T2G 2L3
TEL. 403.269.7109
FAX. 403.269.7595

Approved by/Approved par
CK
Designed by/Concept par
CK
Drawn by/Dessiné par
CK

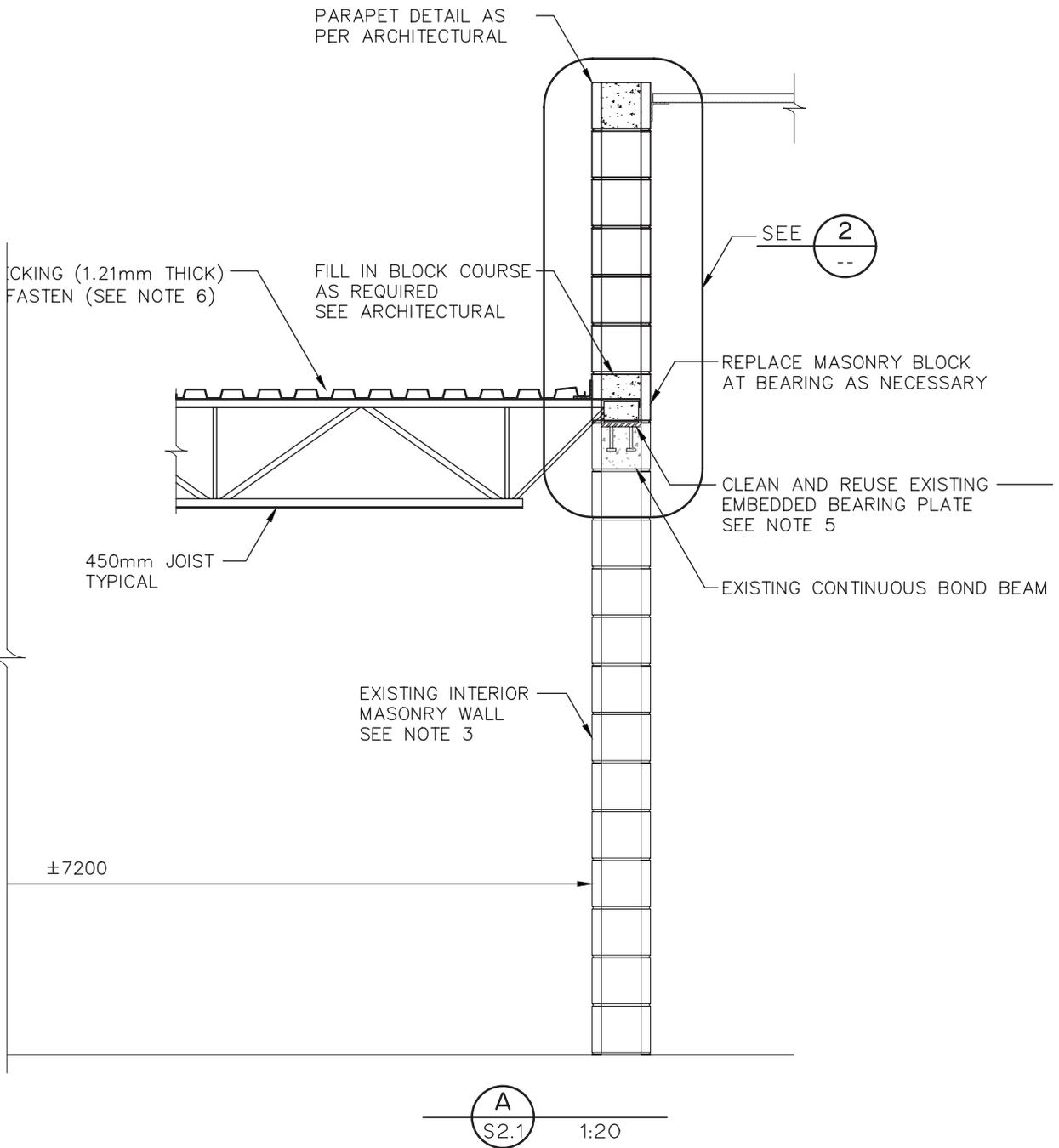
Project Manager/Administrateur
de Projets: EB
Project No./No. de projet
RUT10401

Scale/Echelle
AS INDICATED
Date/Date
Aug 24, 2016
Sheet No./No. de feuille
ASK1.1



2 ROOF CONSTRUCTION PLAN A2.2 1:200





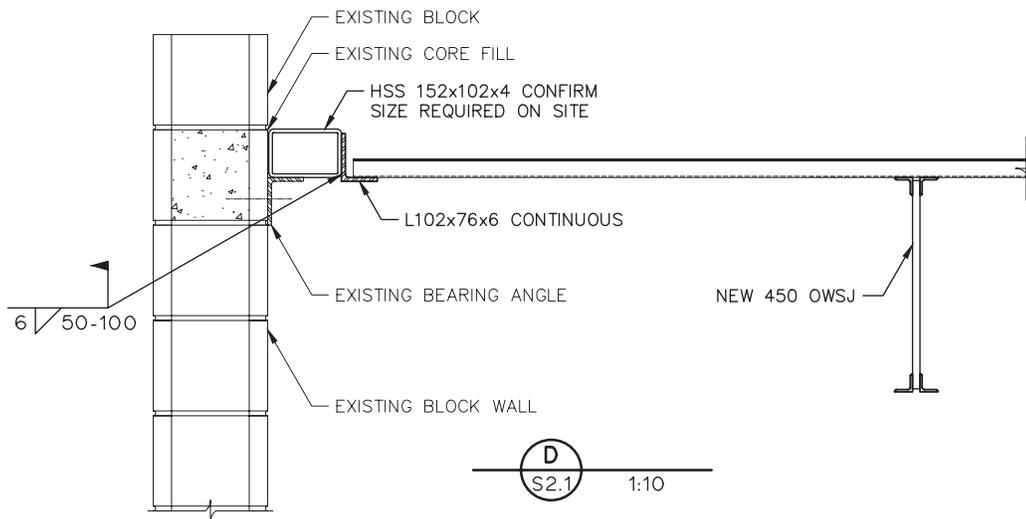
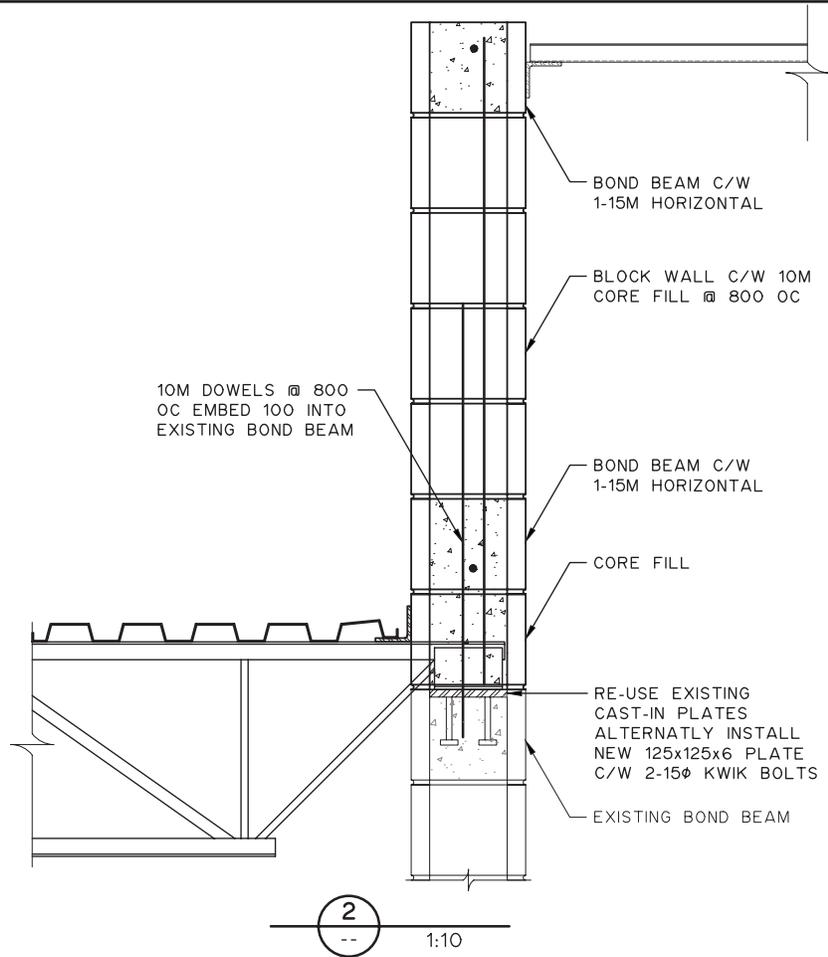
AGRICULTURE AND AGRI-FOOD CANADA
 LCR ROOF REPLACEMENT - DAIRY BARN
 STRUCTURAL
 REVISED SECTION A/S2.1
 NEW CONSTRUCTION

SCALE: NTS

DATE: AUGUST 2016

JOB: 1651-004-00

DRAWING: SSK2



AGRICULTURE AND AGRI-FOOD CANADA

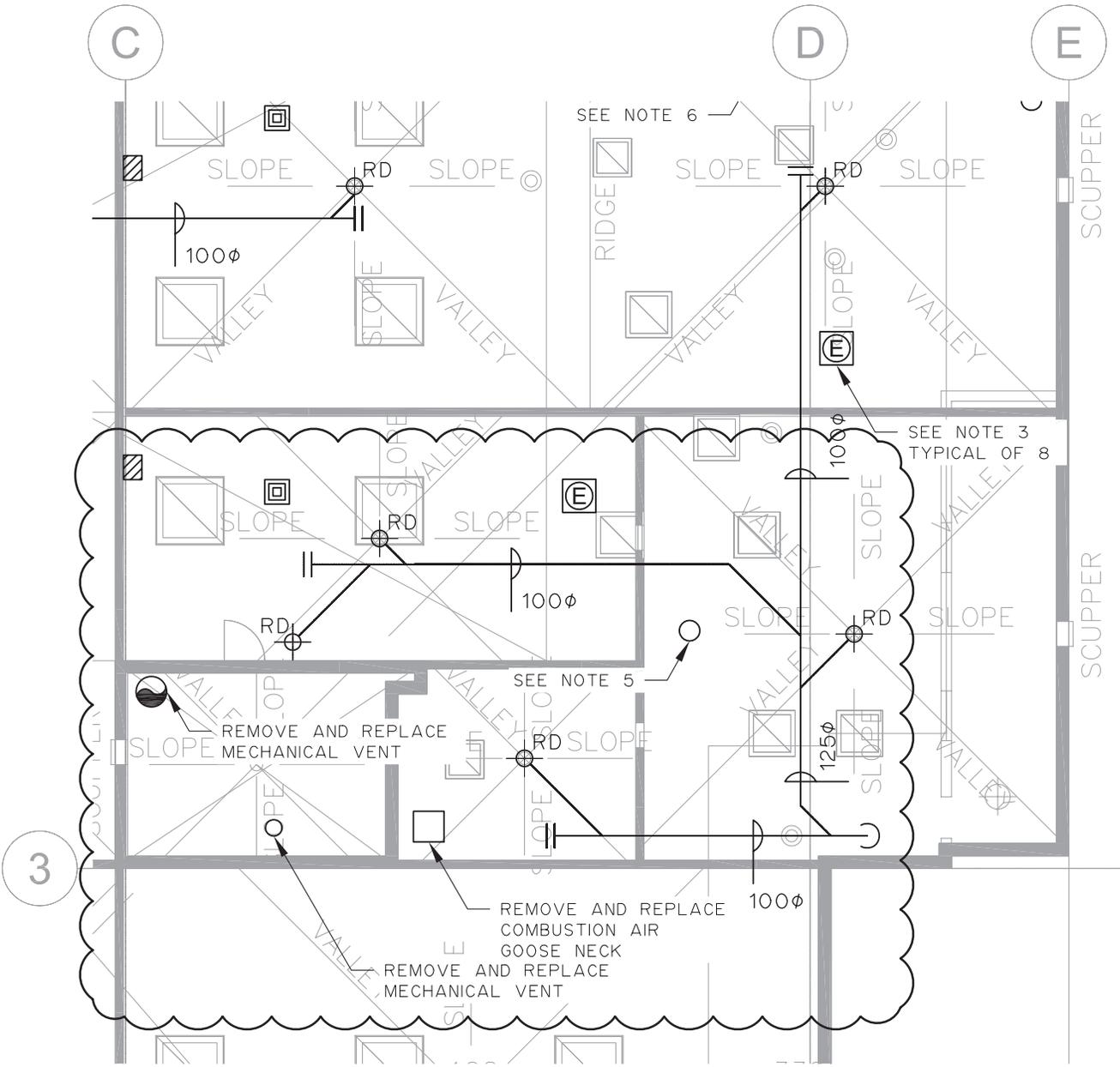
LCR ROOF REPLACEMENT - DAIRY BARN
STRUCTURAL
SECTIONS AND DETAILS

SCALE: NTS

DATE: AUGUST 2016

JOB: 1651-004-00

DRAWING: SSK3



AGRICULTURE AND AGRI-FOOD CANADA

LCR ROOF REPLACEMENT - DAIRY BARN
MECHANICAL
ROOF PLAN

SCALE: 1:200

DATE: AUGUST 2016

JOB: 1651-004-00

DRAWING: MSK1