

PRELIMINARY
NOT FOR CONSTRUCTION



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DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
A	ISSUED FOR TENDER	16/02/02

Client/client

PWGSC
AAFC

Project title/Titre du projet
LETHBRIDGE, ALBERTA
86 RESEARCH CENTRE ROAD
B86 DAIRY & METABOLISM UNIT

ROOF REPLACEMENT
LETHBRIDGE RESEARCH
CENTRE - DAIRY BARN

Approved by/Approuvé par
DC

Designed by/Concept par
GK

Drawn by/Dessiné par
BB

PWGSC Project Manager/Administrateur de Projets TP/SGC
BB

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TP/SGC

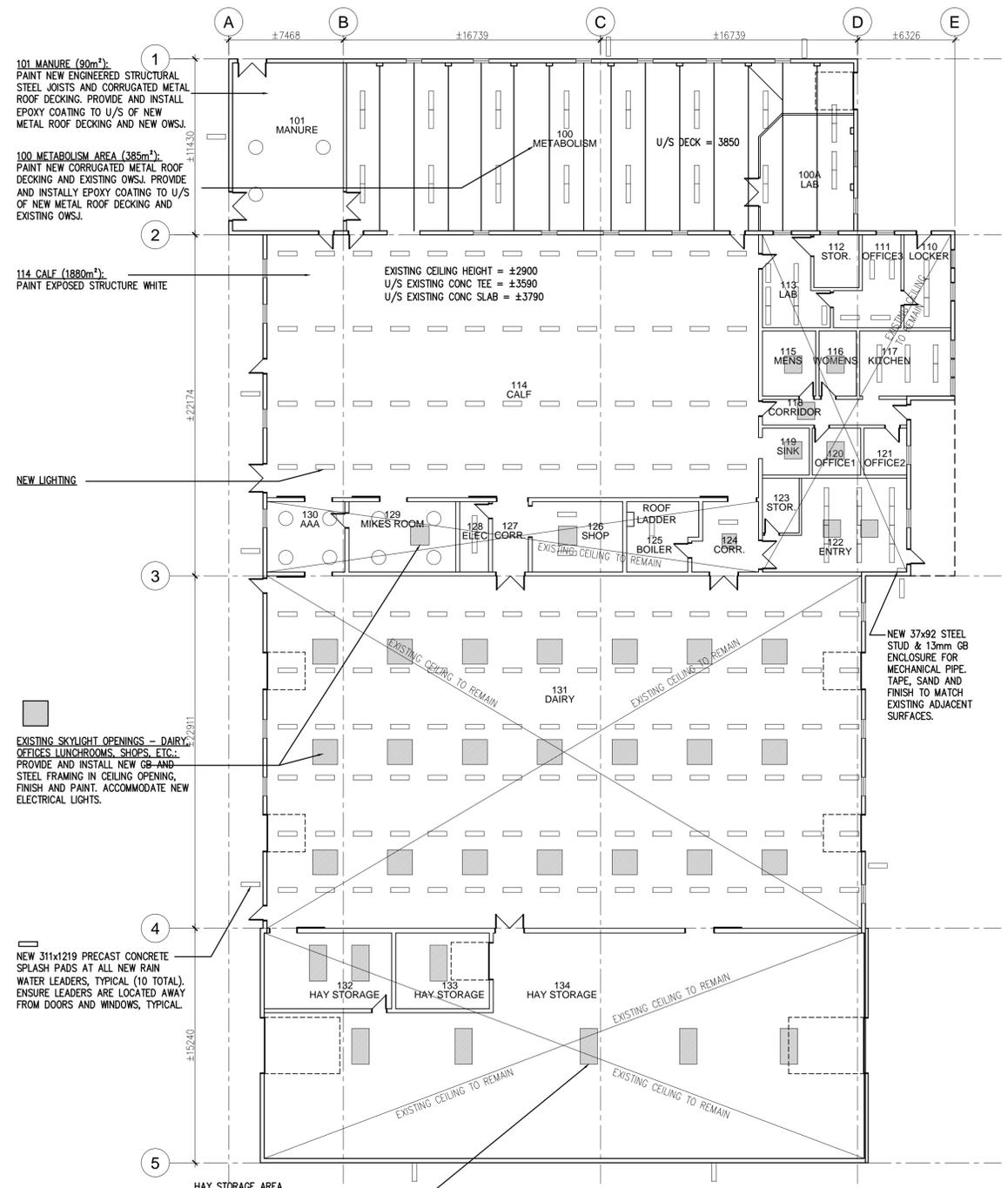
Client/client
AGRICULTURE AND AGRI-FOOD CANADA

Drawing title/Titre du dessin
NEW CONSTRUCTION

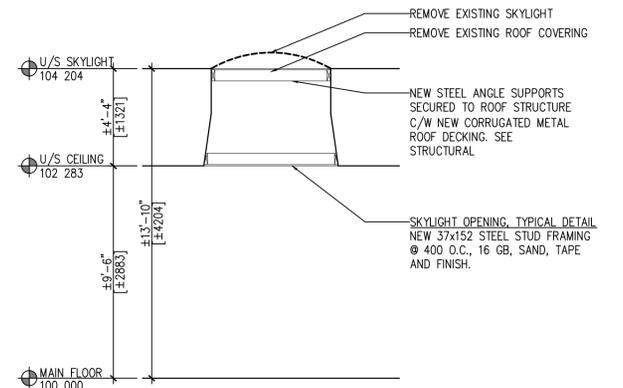
Project No./No. du projet
R.071094.001

Sheet/Fauille
A2.2

Revision no./
La Révision
no.



1 RCP CONSTRUCTION PLAN
A2.2 1:200



3 SKYLIGHT INFILL, TYPICAL
A2.2

ROOF A:
PROVIDE AND INSTALL NEW ENGINEERED STRUCTURAL STEEL JOISTS AND CORRUGATED METAL ROOF DECKING MECHANICALLY FASTENED TO THE JOISTS. PROVIDE AND INSTALL EPOXY COATING TO U/S OF NEW METAL ROOF DECKING AND NEW OWS.

NEW FALL ARREST ANCHOR AND CABLE SYSTEM, TYPICAL.
NEW OPENING & CURB, COORDINATE WITH MECH.

ROOF B:
PROVIDE AND INSTALL NEW CORRUGATED METAL ROOF DECKING MECHANICALLY FASTENED TO EXISTING OWS. PROVIDE AND INSTALL EPOXY COATING TO U/S OF NEW METAL ROOF DECKING AND EXISTING OWS.

EXISTING SKYLIGHT OPENINGS:
PROVIDE AND INSTALL NEW STEEL ANGLE SUPPORTS SECURED TO NEW AND EXISTING ROOF STRUCTURE AND NEW CORRUGATED METAL ROOF DECKING MECHANICALLY FASTENED TO NEW ANGLE STRUCTURE, TYPICAL.

NEW FALL ARREST ANCHOR AND CABLE SYSTEM, TYPICAL.

ROOF A, B, C, D:
SBS MEMBRANE CAP SHEET, SBS MEMBRANE BASE SHEET, 50 FACED RIGID INSULATION, 100MM RIGID INSULATION, MIN. 12mm TAPERED INSULATION (SLOPED TO DRAINS), VAPOUR BARRIER MEMBRANE, 12mm SUPPORT PANEL EXISTING METAL DECKING TO REMAIN EXCEPT NEW FOR ROOF A & B.

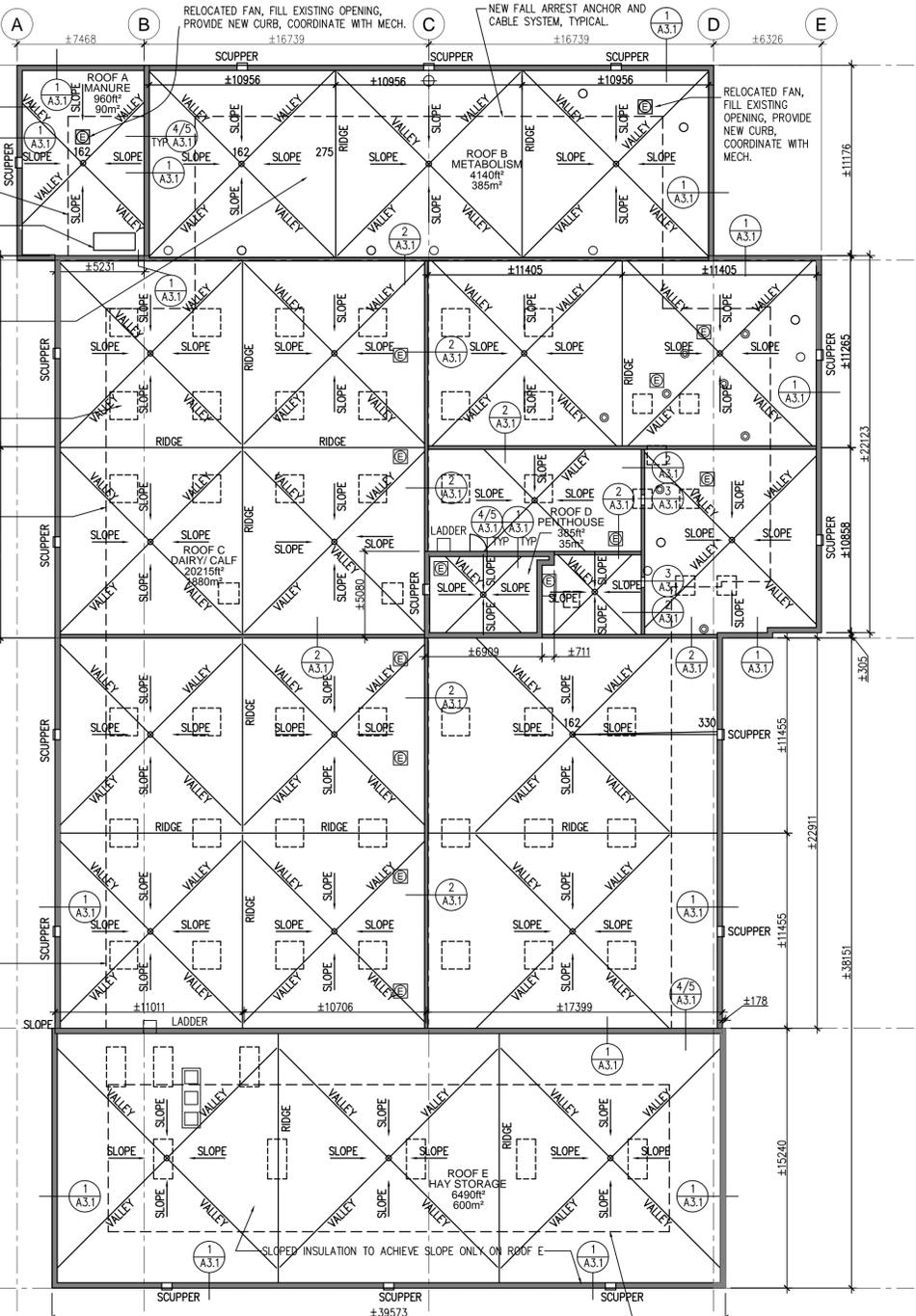
TYPICAL INTERIOR CURB:
SBS MEMBRANE CAP SHEET, SBS MEMBRANE BASE SHEET, 12mm P.T. PLY SHEATHING, 38x89 P.T. WOOD STUDS @ 400c.c., 89 MINERAL WOOL BATT INSULATION.

PARAPET WALL:
SBS MEMBRANE CAP SHEET, SBS MEMBRANE BASE SHEET, 12mm P.T. PLY SHEATHING, 38x89 P.T. WOOD STUDS @ 400c.c., 38x38 P.T. WOOD FURRING AS REQUIRED, BATT INSULATION, TO FILL CAVITIES, 12mm P.T. PLY SHEATHING, PRE-FINISHED METAL COUNTER FLASHING.

NEW FALL ARREST ANCHOR AND CABLE SYSTEM

ROOF E:
SBS MEMBRANE CAP SHEET, SBS MEMBRANE BASE SHEET, MIN. 12mm TAPERED INSULATION (SLOPED TO DRAINS), VAPOUR BARRIER MEMBRANE, 12mm SUPPORT PANEL EXISTING METAL DECKING TO REMAIN.

- NEW ROOF DRAIN
- ⊕ EXHAUST FAN
- INFILL SKYLIGHT
- HOTSTACK
- ⊕ PLUMBING STACK



2 ROOF CONSTRUCTION PLAN
A2.2 1:200

NOTE: COORDINATE ALL ROOF PENETRATIONS WITH MECHANICAL

NEW CONSTRUCTION NOTES

1. ALL ROOFING WORK TO ALBERTA ROOFING CONTRACTOR ASSOCIATION (ARCA) STANDARDS COMPLETE WITH CERTIFICATE OF ASSURANCE, TYPICAL. ARCA 10 YEAR WARRANTY CERTIFICATE PROGRAM REQUIRED.
2. CONFIRM ALL DIMENSIONS AND ROOF TOP EQUIPMENT AND ITEMS PRIOR TO COMMENCING WORK.
3. ALL ROOF DRAINS WITHIN AREA OF WORK TO BE SNAKED CLEAN TO CLEANOUT BY CERTIFIED PLUMBER UPON COMPLETION OF THE PROJECT. PROVIDE WRITTEN STATEMENT SIGNED BY BOTH PLUMBER & CONTRACTOR.
4. EXISTING ROOFTOP MECHANICAL EQUIPMENT TO REMAIN SHALL BE REMOVED & REINSTALLED AS REQUIRED TO SUIT INSTALLATION OF NEW ROOFING.
5. EXTEND ALL CURBS, VENTS, & STACKS AS REQUIRED TO MAINTAIN MIN 200mm REQUIRED CLEARANCES ABOVE ROOF.
6. REFER TO SPECIFICATIONS FOR TYPICAL INSULATION TYPES, AND THERMAL VALUES.
7. 1:100 SLOPE, TYPICAL UNLESS NOTED OTHERWISE, DIRECTION OF SLOPE INDICATED ON PLANS. INSTALL CRICKETS/CROSS SLOPE WHERE REQUIRED TO MAINTAIN POSITIVE SLOPE, TYPICAL.
8. ROOF TOP EQUIPMENT & PIPE SUPPORTS SHALL BE MADE FROM 100% RECYCLED RUBBER & COMPATIBLE w/ ROOFING SYSTEM
9. REFER TO MECHANICAL & ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR DISCONNECTION, AND REINSTALLATION OF ANY MECHANICAL AND ELECTRICAL SERVICES, TYPICAL.
10. VAPOUR BARRIER TO BE LAPPED & SEALED CONTINUOUSLY.
11. ALL NEW PREFINISHED METAL TO BE PRE-FINISHED AND COLOURED TO MATCH EXISTING, COLOUR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLOUR RANGE, TYPICAL.
12. SBS MEMBRANE COLOUR BROWN, COLOUR TO BE SELECTED FROM MANUFACTURER'S STANDARD COLOUR RANGE.
13. ALL NEW WOOD/LUMBER PRODUCTS TO BE PRESSURE TREATED, TYPICAL.
14. CONTRACTOR UPON COMPLETION SHALL MAKE GOOD ALL LANDSCAPED AREAS, GRASS, SHRUBS, GRAVEL, CONCRETE, & PAVING WHERE DISTURBED OR DAMAGED TO AT LEAST AS GOOD PER EXISTING STATE.

