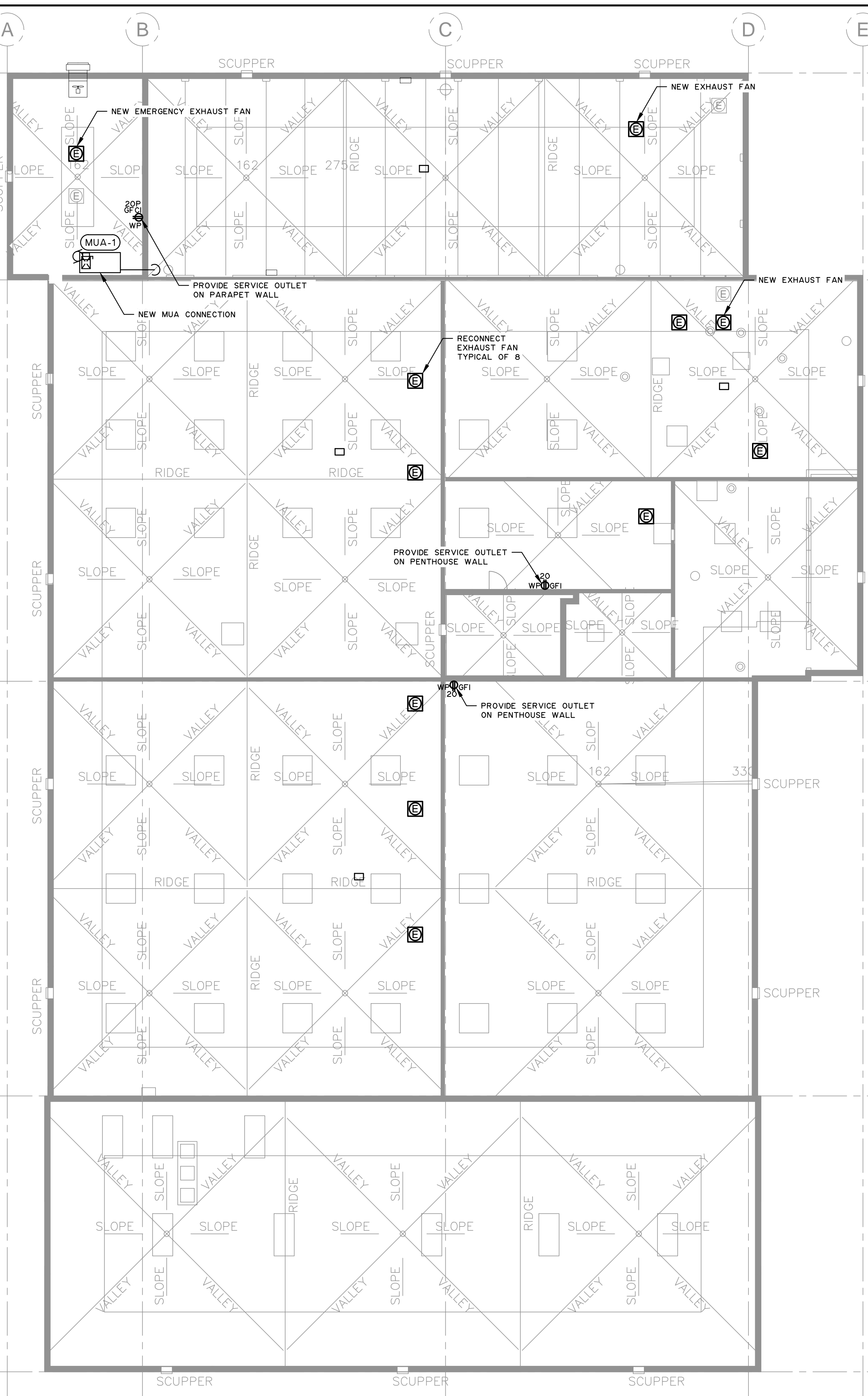


CEILING PLAN  
1:150



ROOF PLAN  
1:150

PERMIT TO PRACTICE  
MPE ENGINEERING LTD.  
PERMIT NUMBER: P 3680  
The Association of Professional  
Engineers and Geoscientists of Alberta

- NOTES:
1. MANURE ROOM WARNING DEVICES AND EQUIPMENT TO BE CLASS 1 DIVISION 2 CONDUIT SEALS TO PREVENT TRANSFER OF GASES FROM THIS SPACE. WHERE POSSIBLE DEVICES AND EQUIPMENT TO BE LOCATED OUTSIDE OF THIS AREA, 900mm FROM OPENINGS TO THE MANURE ROOM.
  2. SUPPLY AND INSTALL NEW CONDUIT AND WIRE TO REPLACE WIRING REMOVED DURING DEMOLITION. CONNECT NEW LIGHTS TO EXISTING CIRCUITS. COORDINATE SWITCHING WITH OWNER'S REPRESENTATIVE.
  3. RETROFIT EXISTING FIXTURES WITH NEW LED LAMPS AND DRIVERS. PROVIDE CSA RE-CERTIFICATION OF FIXTURES WITH NEW LAMPS AND DRIVERS.
  4. PROVIDE NEW NEMA 4 SPLITTER AND STARTERS FOR EXTERIOR MOUNTING OF STARTERS. RECONNECT 78mm PVC FEEDER AND WIRES. RELOCATE TECK CABLE FEEDS TO NEW MOTOR STARTERS. STARTERS FOR EQUIPMENT:  
STORAGE TANK MIXERS 121 - NEMA SIZE 3  
PIT PUMP - NEMA SIZE 1  
CHAIN DRIVE STARTER - NEMA SIZE 2  
EXHAUST FANS - NEMA SIZE 0  
CONFIRM MOTOR HP PRIOR TO ORDERING.
  5. REPLACE EXISTING HIGH BAYS WITH NEW LED HIGH BAYS.
  6. NEW FIRE ALARM DEVICES TO BE RE-INSTALLED IN EXISTING LOCATIONS ON EXISTING ZONES. PROVIDE NEW CONDUIT AND WIRE IN ACCORDANCE WITH GEC.
  7. SUPPLY AND INSTALL ENCELIUM WIRELESS MANAGER. VERIFY INSTALLATION LOCATION WITH LIGHTING MANUFACTURER.
  8. SUPPLY AND INSTALL ENCELIUM LIGHTING CONTROL SYSTEM OR EQUIVALENT FOR ROOMS AS INDICATED. SEE DRAWING E1.3 LUMINAIRE SCHEDULE.

DO NOT SCALE DRAWINGS

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A	ISSUED FOR TENDER	16/02/22

Revision/ Révision	Description/Description	Date/Date
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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

Designed by/Concept par  
P.P.G.

Drawn by/Dessiné par  
N.O.W.

PWGSC Project Manager/Administrateur de Projets TPSCG  
BB

PWGSC, Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client  
AGRICULTURE AND AGRI-FOOD CANADA

Drawing title/Titre du dessin

**ELECTRICAL  
NEW CONSTRUCTION**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.071094.001	E1.2 OF -	A

MPE No. 1651-004-00