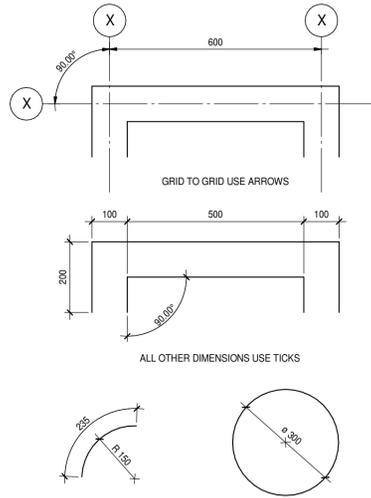


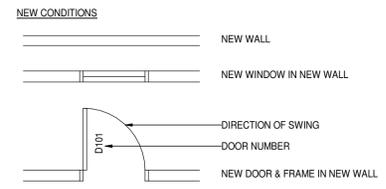
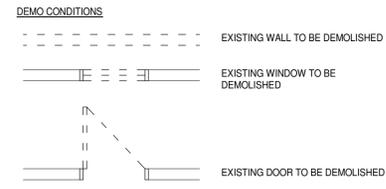
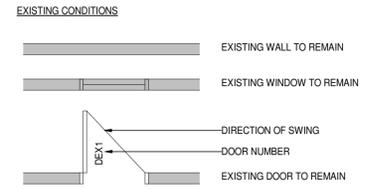
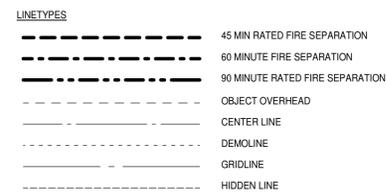
GENERAL NOTES

1. THE DRAWINGS SHALL NOT BE SCALED FOR INFORMATION.
2. THE CONTRACTOR SHALL VISIT THE SITE AND SATISFY THEMSELVES THAT ALL DIMENSIONS, DATUMS AND DETAILED INFORMATION SHOWN ARE CORRECT.
3. THE CONTRACTOR IS TO REPORT ANY DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF WORK.
4. THE CONTRACTOR IS TO REVIEW AND COORDINATE ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR OPENINGS THROUGH FLOORS, WALLS AND CEILINGS INCLUDING BUT NOT LIMITED TO DUCT, PIPING AND ELECTRICAL RISERS.
5. PRODUCTS AND MATERIALS ARE TO BE USED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. DIMENSIONAL PROPERTIES OF THE MATERIALS ARE NOTED IN MILLIMETERS UNLESS INDICATED OTHERWISE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATCH AND MAKE GOOD ALL EXISTING SURFACES ADJACENT NEW CONSTRUCTION AND ALL EXISTING FINISHES AFFECTED BY THE CONSTRUCTION.

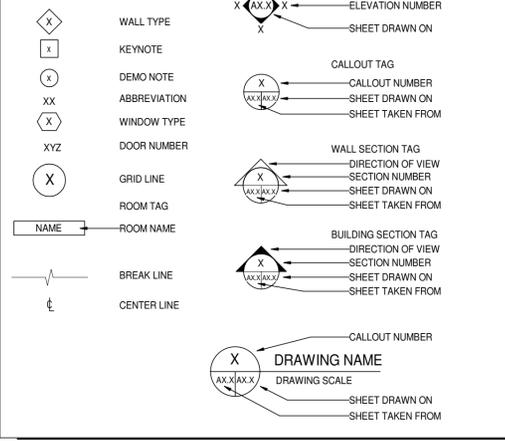
DIMENSION LEGEND



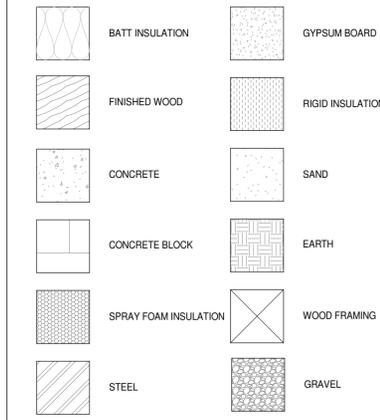
DRAWING LEGEND



SYMBOL LEGEND



MATERIAL PATTERNS



CONSTRUCTION TYPES

EXISTING WALL TYPES ARE SHOWN FOR INFORMATION ONLY. SITE CONFIRM ALL WALL TYPE & CONSTRUCTION

- E1 - EXISTING FOUNDATION WALL**
CAST IN-PLACE CONCRETE
+/- 300mm thick
- E2 - EXISTING CMU WALL**
200mm CONCRETE MASONRY UNITS
- E3 - EXISTING CMU/METAL CLAD WALL**
200mm CONCRETE MASONRY UNITS
VAPOUR BARRIER
RIGID INSULATION
GYPSUM WALL BOARD
METAL CLADDING

- N1 - NEW RATED PARTITION (45 MIN FRR)**
ULC W415 CUL U465
16mm ABUSE RESISTANT TYPE 'X' GYPSUM BOARD
92mm STEEL STUD @400mm O/C
16mm ABUSE RESISTANT TYPE 'X' GYPSUM BOARD
- NOTE: HEIGHT OF WALL TYPE N1 TO BE CONFIRMED BY CONTRACTOR. ALLOW FOR APPROXIMATELY 3660mm.

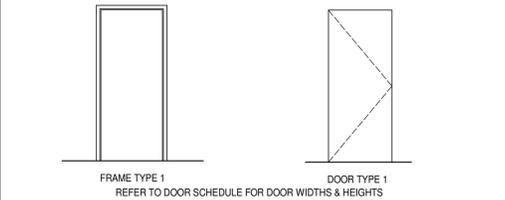
- N2 - NEW FURRING WALL AT EXISTING PARTITION**
ULS HR FRR ULC U415
13mm ABUSE RESISTANT TYPE 'X' GYPSUM BOARD
13mm TYPE 'X' GYPSUM BOARD
64mm C-H STUDS @600mm O/C
25mm SHAFT LINER PANEL

DOOR SCHEDULE

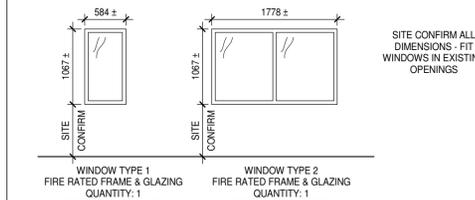
DOOR NUMBER	NOMINAL SIZE (w x h x t)	DOOR TYPE	MATERIAL	FINISH	FRAME TYPE	MATERIAL	FINISH	FIRE RATING	HARDWARE SET	NOTES
D001	800 x 2150 x 44	1	HM	PT	1	PS	PT	45 MINS	1	NEW DOOR/FRAME
D002	900 x 2150 x 44	1	HM	PT	1	PS	PT	45 MINS	2	NEW DOOR/FRAME. FRAME & DOOR TO FIT WITHIN EXISTING OPENING
D003	1800 x 2150 x 44	1	HM	PT	1	PS	PT	1 HR	3	NEW DOOR/FRAME
D004	1800 x 2150 x 44	1	HM	PT	1	PS	PT	1 HR	3	NEW DOOR/FRAME. FRAME & DOOR TO FIT WITHIN EXISTING OPENING
D005	900 x 2150 x 44	1	HM	PT	1	PS	PT	45 MINS	2	NEW DOOR/FRAME. FRAME & DOOR TO FIT WITHIN EXISTING OPENING
EX001	800 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	4	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX002	800 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	5	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX003	900 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	4	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX005	900 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	5	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX006	900 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	4	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX007	800 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	4	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX008	900 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	4	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX009	1800 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	6	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX010	900 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	5	EXISTING DOOR/FRAME TO REMAIN. PROVIDE EXIT DEVICE
EX011	800 x 2150 x 44	EX	EX	EX	EX	EX	EX	EX	5	EXISTING DOOR/FRAME TO REMAIN. REINSTALL TO CORRECT DOOR SWING. PROVIDE EXIT DEVICE

ABBREVIATIONS
EX EXISTING
HM HOLLOW METAL
PS PRESSED STEEL
PT PAINT

DOOR & FRAME TYPES



WINDOW TYPES



EXTERIOR PHOTOS



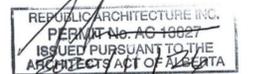
WEST ELEVATION



SOUTH ELEVATION



SOUTHEAST ELEVATION



3	ISSUED FOR TENDER	2020-11-26
2	ISSUED FOR 99% REVIEW	2020-10-15
1	ISSUED FOR DESIGN DEVELOPMENT REVIEW	2020-10-05

Revision	Description	Date
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Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project Title: BUILDING 116 (FEED MILL) BUILDING UPGRADES

Project: AGRICULTURE & AGRI-FOOD CANADA RESEARCH AND DEVELOPMENT CENTRE LETHBRIDGE, ALBERTA

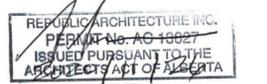
Designed by: T.ANDREOGLU/J.JACOBSON
Drawn by: T.ANDREOGLU/J.LOEWEN
Approved by: S.SOLOMON
PWGSC Project Manager: G.SPENCE

Client: Conçu par: Dessiné par: Approuvé par: Administrateur de Projets TPSGC

Drawing Title: Titré du dessin

GENERAL NOTES

Project no./No. du projet: R.097511.001
Drawing no./No. du dessin: A0.1
Revision no.: OF



DEMONOTE LEGEND A1.1

- 1 DEMOLISH EXISTING LADDER
- 2 DEMOLISH EXISTING DOOR AND FRAME
- 3 DEMOLISH EXISTING STEEL GUARD RAIL
- 4 REMOVE DOOR AND FRAME FOR REINSTALLATION
- 5 DEMOLISH EXISTING WINDOWS AND PREP OPENING FOR NEW INSTALLATION

Revision	Description	Date
3	ISSUED FOR TENDER	2020-11-26
2	ISSUED FOR 99% REVIEW	2020-10-15
1	ISSUED FOR DESIGN DEVELOPMENT REVIEW	2020-10-05

Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

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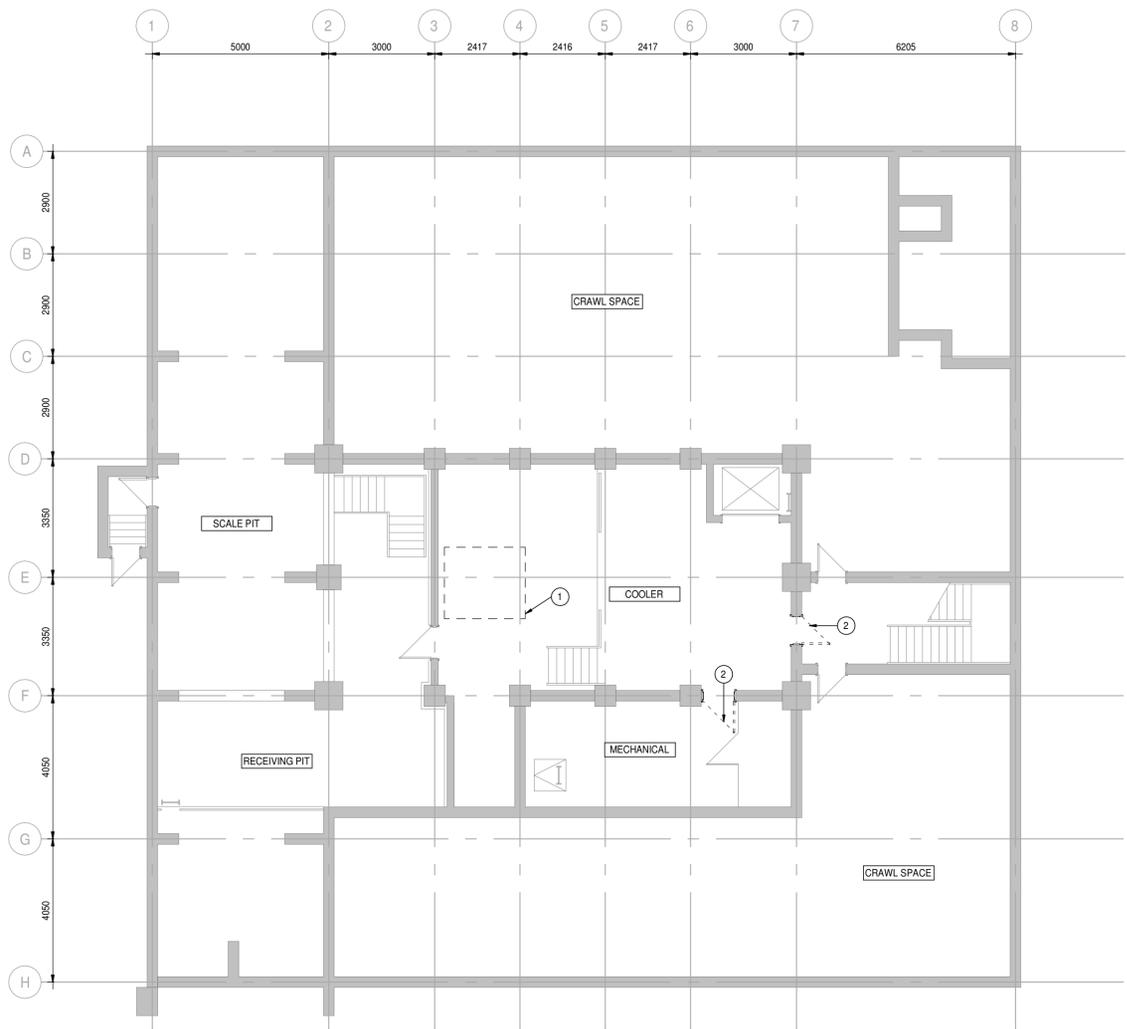
Project: AGRICULTURE & AGRI-FOOD CANADA RESEARCH AND DEVELOPMENT CENTRE LETHBRIDGE, ALBERTA

Designed by: T.ANDREOGLU/J.JACOBSON
Drawn by: T.ANDREOGLU/J.LOEWEN
Approved by: S.SOLOMON

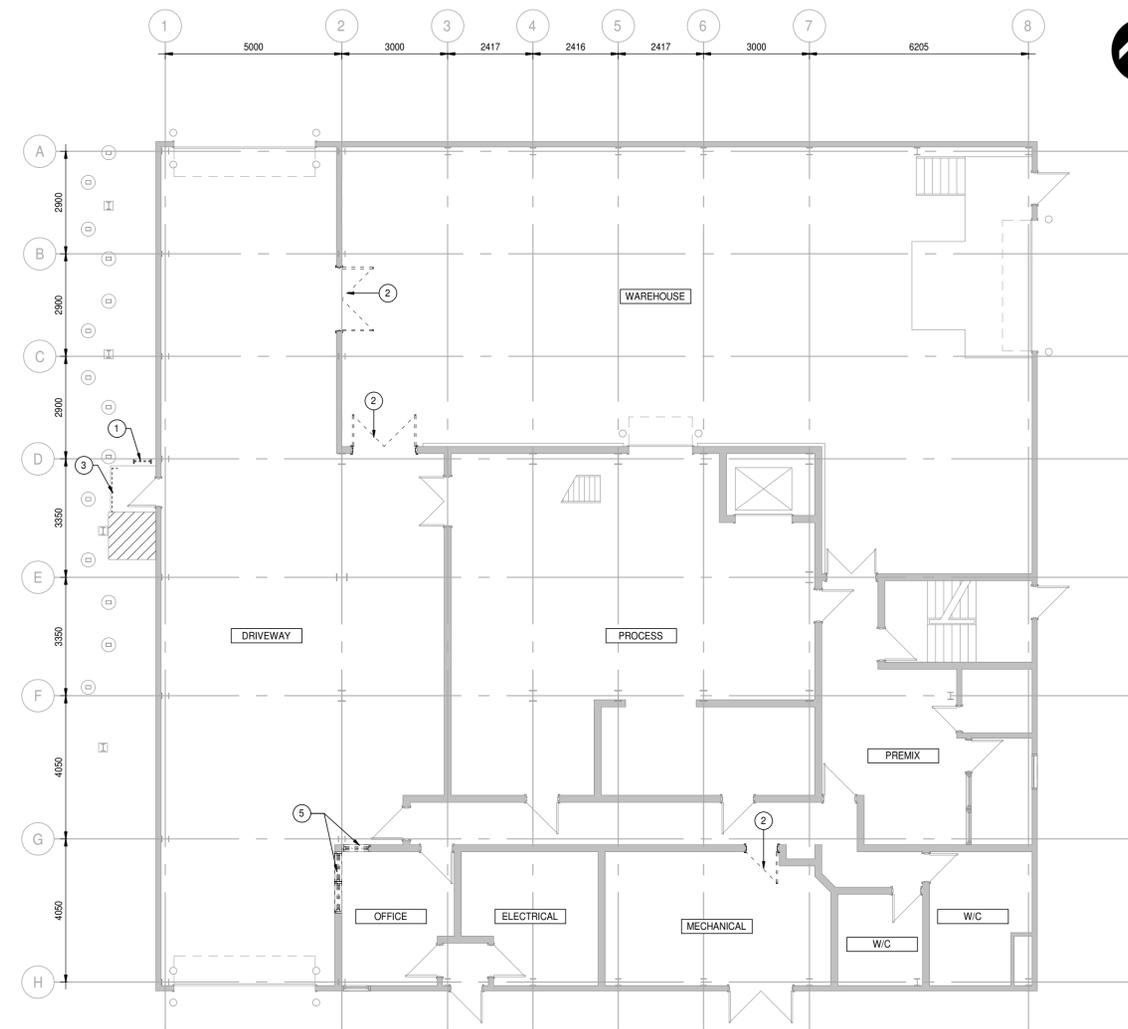
PWGSC Project Manager: G.SPENCE
Administrateur de Projets TPSGC

Drawing Title: DEMOLITION PLANS

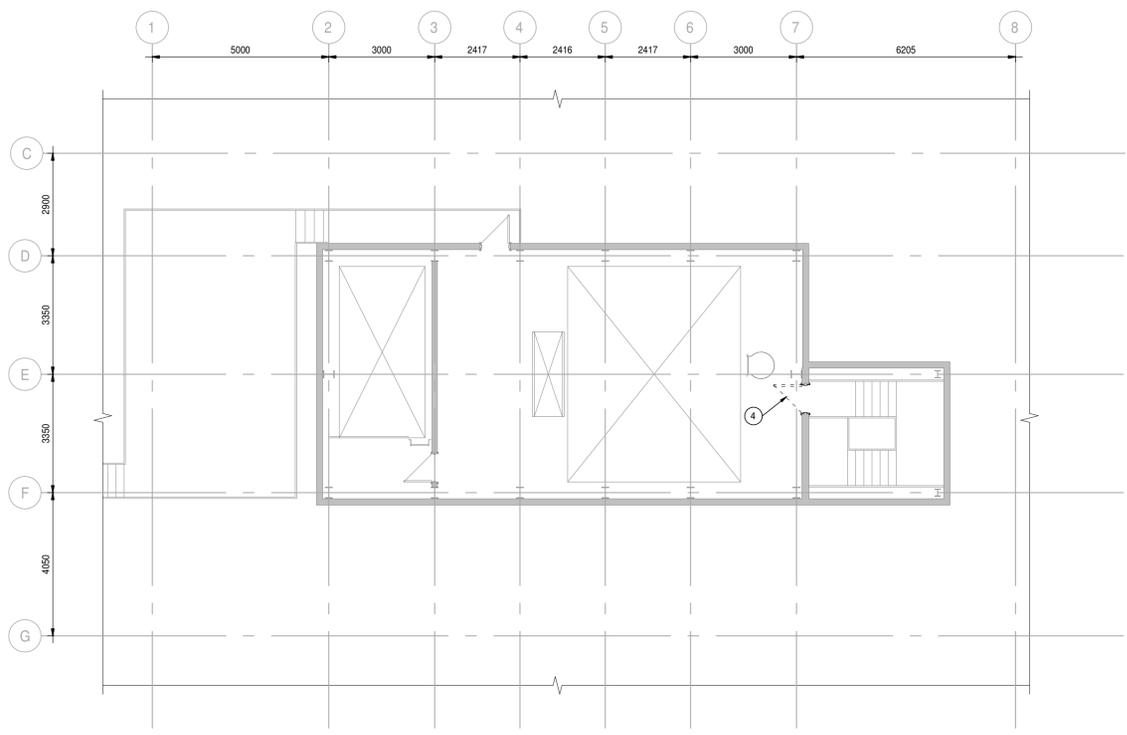
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.097511.001	A1.1 OF	



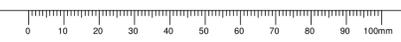
1 BASEMENT DEMOLITION PLAN
A1.1 1:100

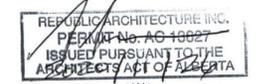


2 MAIN DEMOLITION PLAN
A1.1 1:100



3 BIN TOP DEMO PLAN
A1.1 1:100





KEYNOTE LEGEND A2.1

- 1 AREA FOR MAINTENANCE ACCESS ONLY. PROVIDE SIGNAGE INDICATING "STORAGE NOT PERMITTED"
- 2 FIRE STOPPING REQUIRED AT ALL PIPE PENETRATIONS THROUGH WALLS AND CEILING. 45 MINUTE FRR AT CEILING, 60 MINUTE FRR AT WALLS. ALLOW 10 WALL PENETRATIONS 100mm MAX OPENING. ALLOW 15 CEILING PENETRATIONS 150mm MAX OPENING
- 3 90 MINUTE FRR FIRE STOPPING REQUIRED AT WALL PENETRATION, 150mm MAX OPENING
- 4 45 MINUTE FRR FIRE STOPPING REQUIRED AT WALL PENETRATIONS. ALLOW 10 PENETRATIONS 150mm MAX OPENING
- 5 EXISTING MAINTENANCE PLATFORM ABOVE
- 6 NEW GUARDRAIL TO BE BUILT AROUND EXISTING EQUIPMENT. REFER TO STRUCTURAL
- 7 NEW LADDER. REFER TO STRUCTURAL
- 8 REPLACE EXISTING FIRE DAMPERS (HIGH LEVEL) TO MINIMUM 45 MIN FRR. SEE MECHANICAL
- 9 NEW STEP OVER EXISTING CHUTE - CENTER STEP ON EXISTING CHUTE
- 10 NEW METAL EXIT STAIR AND LANDING EXTENSION TO BE BUILT OFF EXISTING LANDING. EXIT STAIR TO BE BUILT BETWEEN BUILDING AND GRAIN SILO SUPPORTS. REFER TO STRUCTURAL
- 11 FIRE STOPPING REQUIRED AT ALL PIPE PENETRATIONS THROUGH WALLS AND FLOOR. 45 MINUTE FRR AT FLOOR, 60 MINUTE FRR AT WALLS. ALLOW 15 WALL PENETRATIONS 200mm MAX OPENING. ALLOW 10 FLOOR PENETRATIONS 100mm MAX OPENING
- 12 45 MINUTE FRR FIRE STOPPING REQUIRED AT ALL BIN CHUTE AND PIPE PENETRATIONS THROUGH FLOOR. ALLOW 5 FLOOR PENETRATIONS APPROX. 1200 x 600mm
- 13 NEW CHECK CHAINS. REFER TO STRUCTURAL
- 14 NEW METAL HANDRAIL AT EXISTING STAIR
- 15 NEW 1 HOUR FIRE RATED WINDOWS - REFER TO DETAILS FOR MORE INFORMATION
- 16 FRAME & DOOR TO FIT WITHIN EXISTING OPENING
- 17 REPLACE LADDER AND PROVIDE METAL GUARD CUSTOM FIT TO EACH SIDE OF CATWALK ABOVE. REFER TO STRUCTURAL
- 18 EXISTING ELEVATOR SHAFT
- 19 EXISTING EXIT STAIR
- 20 EXISTING STAIR DOWN TO LOWER LEVEL
- 21 EXISTING LADDER UP TO PLATFORM
- 22 EXISTING GUARDRAIL
- 23 EXISTING STAIR TO UPPER LEVEL
- 24 EXISTING OVERHEAD DOOR
- 25 EXISTING BOLLARD
- 26 LOWER LEVEL
- 27 EXISTING VENT
- 28 CONCRETE FOUNDATION & METAL SUPPORT LEGS FOR GRAIN SILOS - STAIR TO BE BUILT BETWEEN SUPPORT LEGS & BUILDING
- 29 RETURN HANDRAIL TO EXISTING WALL
- 30 EXTERIOR EXIT FROM BASEMENT SPACE BELOW
- 31 NEW HANDRAIL ON LANDINGS - EXISTING TO BE REMOVED
- 32 NEW DOOR IN NEW FIRE RATED WALL. ALIGN DOOR WITH EXISTING DOOR OPENING IN EXISTING WALL
- 33 REMOVE & RELOCATE TO NEW WALL ALL WALL MOUNTED ELECTRICAL EQUIPMENT - REFER TO ELECTRICAL FOR MORE INFORMATION
- 34 300mm HIGH x 6mm THICK FLAT STEEL PLATE SECURED TO NEW WALL AT BASE - FULL LENGTH OF WALL. PAINT FINISH
- 35 FIRE RATING OF EXISTING WALLS SHOWN FOR CLARITY
- 36 RELOCATED FIRE HOUSE CABINET. REFER TO MECHANICAL
- 37 EXISTING FIRE HOSE CABINET. REFER TO MECHANICAL
- 38 LOUVER PENETRATION. SEE DETAIL B/A4.1. DETAIL PER EXISTING WALL TYPE. REFER TO STRUCTURAL AND MECHANICAL

Revision	Description	Date
3	ISSUED FOR TENDER	2020-11-26
2	ISSUED FOR 90% REVIEW	2020-10-15
1	ISSUED FOR DESIGN DEVELOPMENT REVIEW	2020-10-05

Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project Title: BUILDING 116 (FEED MILL) BUILDING UPGRADES

Project: AGRICULTURE & AGRI-FOOD CANADA RESEARCH AND DEVELOPMENT CENTRE LETHBRIDGE, ALBERTA

Designed by: T. ANDREOGLU/J. JACOBSON

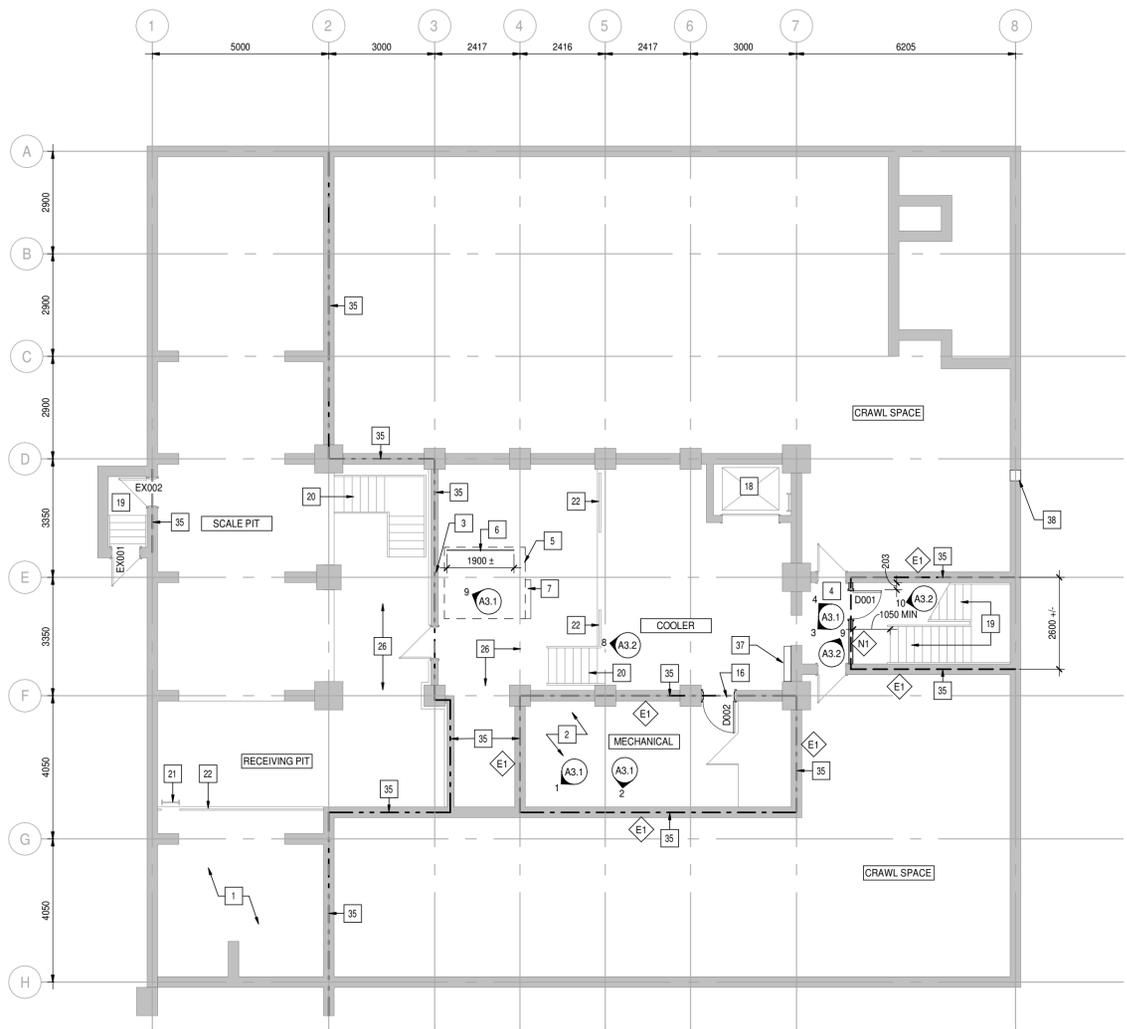
Drawn by: T. ANDREOGLU/J. LOEWEN

Approved by: S. SOLOMON

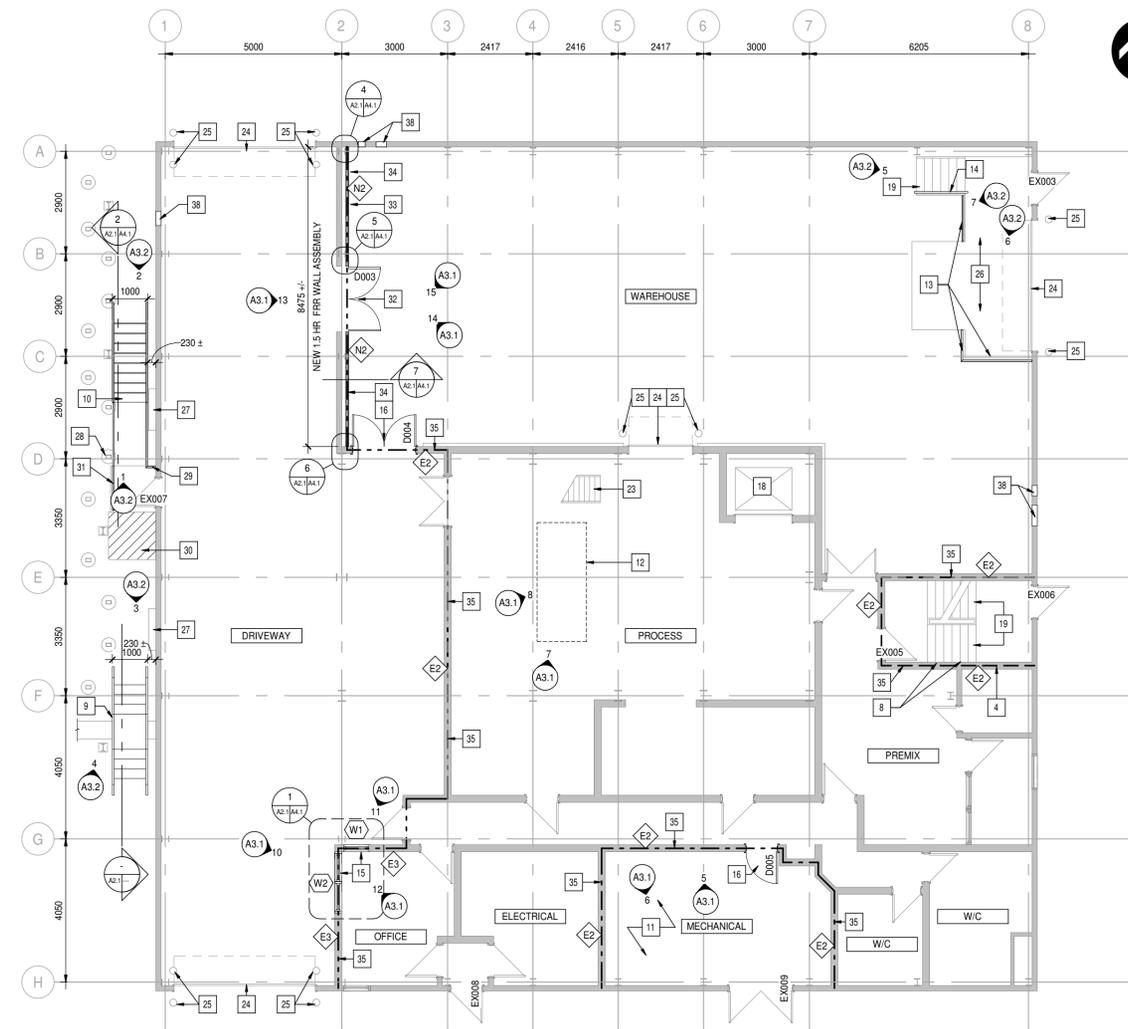
PWGSC Project Manager: G. SPENCE

Drawing Title: FLOOR PLANS

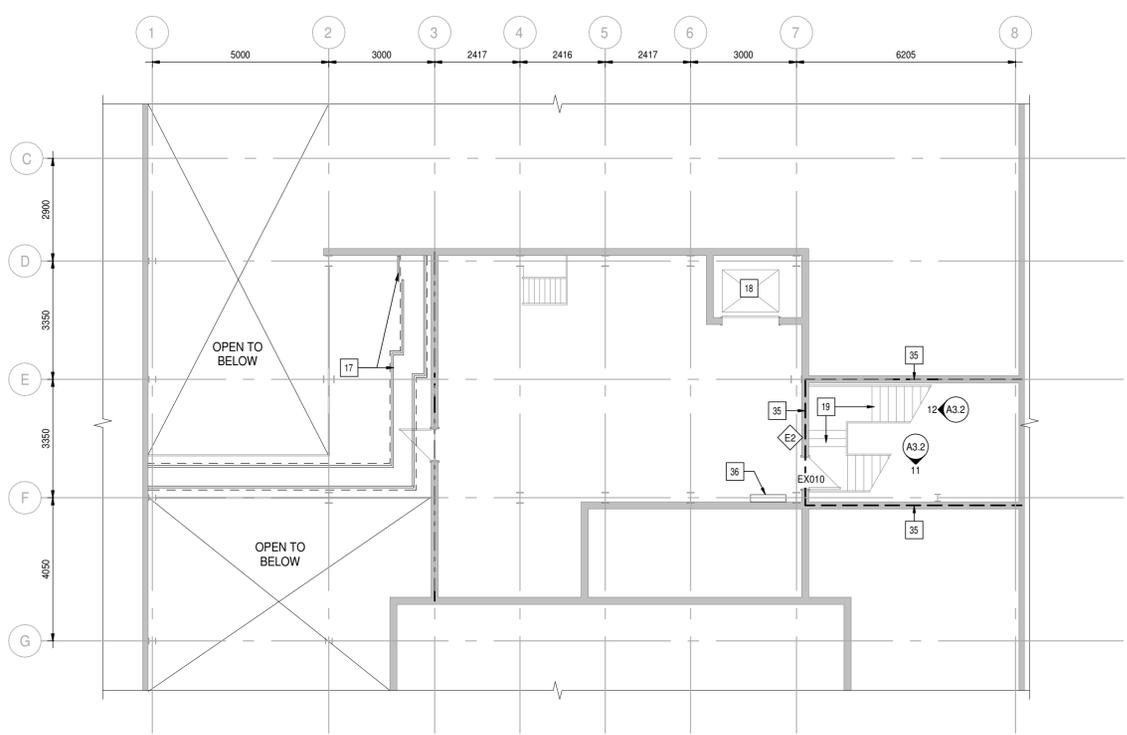
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.097511.001	A2.1	OF



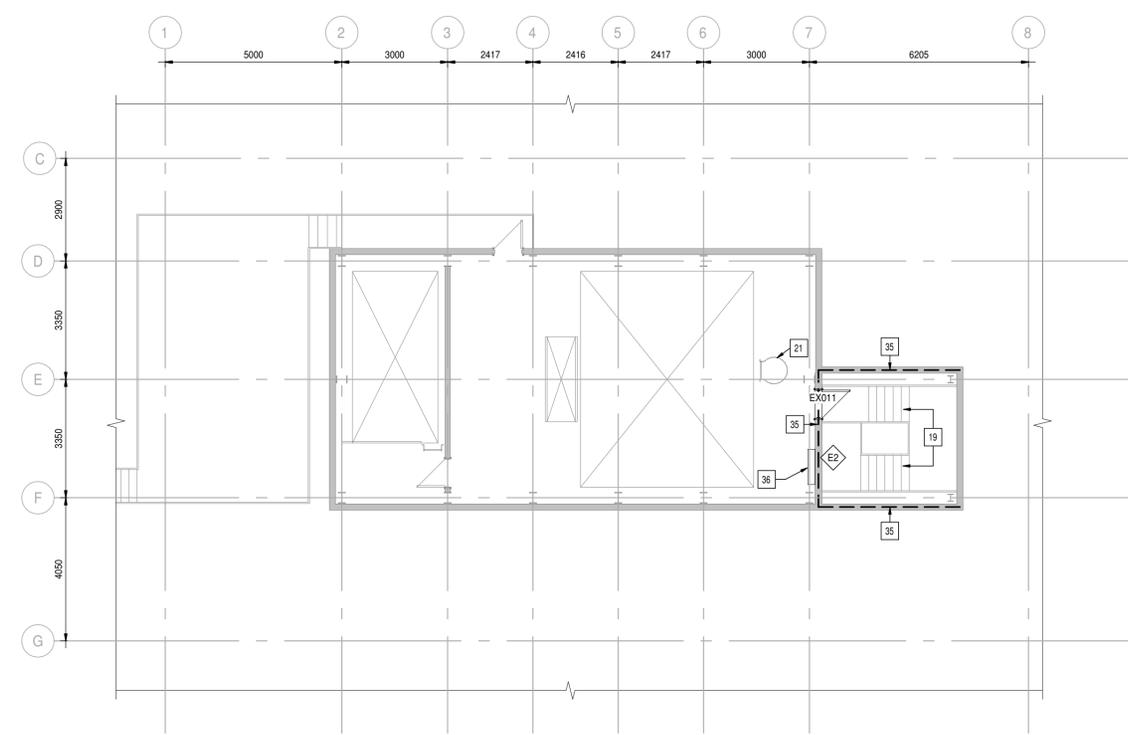
1 BASEMENT FLOOR PLAN
A2.1 1:100



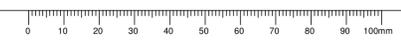
2 MAIN FLOOR PLAN
A2.1 1:100



3 MEZZANINE LEVEL 1 FLOOR PLAN
A2.1 1:100



4 BIN TOP FLOOR PLAN
A2.1 1:100





1 FIRE STOPPING REQUIRED IN BASEMENT MECHANICAL ROOM (1 OF 2)
A2.1/A3.1



2 FIRE STOPPING REQUIRED IN BASEMENT MECHANICAL (2 OF 2)
A2.1/A3.1



3 FIRE STOPPING REQUIRED AT BASEMENT STAIRWELL (1 OF 2)
A2.1/A3.1



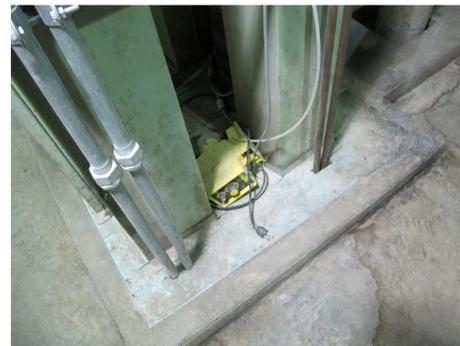
4 FIRE STOPPING REQUIRED AT BASEMENT STAIRWELL (2 OF 2)
A2.1/A3.1



5 FIRE STOPPING REQUIRED IN MAIN FLOOR MECHANICAL (1 OF 2)
A2.1/A3.1



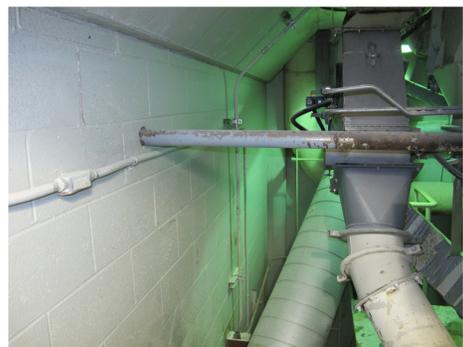
6 FIRE STOPPING REQUIRED IN MAIN FLOOR MECHANICAL (2 OF 2)
A2.1/A3.1



7 FIRE STOPPING REQUIRED AROUND BIN CHUTES AT PROCESS FLOOR (1 OF 2)
A2.1/A3.1



8 FIRE STOPPING REQUIRED AROUND BIN CHUTES AT PROCESS FLOOR (2 OF 2)
A2.1/A3.1



9 FIRE STOPPING REQUIRED IN BASEMENT COOLER ROOM
A2.1/A3.1



10 EXISTING CONDITION - INTERIOR WINDOW REPLACEMENT (1 OF 3)
A2.1/A3.1



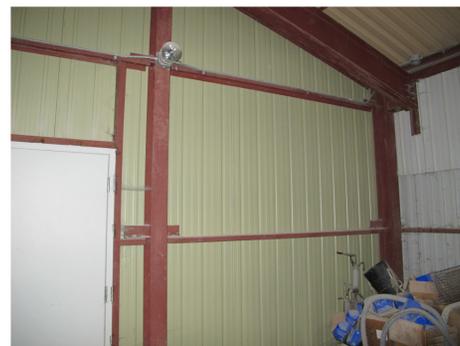
11 EXISTING CONDITION - INTERIOR WINDOW REPLACEMENT (2 OF 3)
A2.1/A3.1



12 EXISTING CONDITION - INTERIOR WINDOW REPLACEMENT (3 OF 3)
A2.1/A3.1



13 EXISTING CONDITION - NEW FIRE RATED WALL (1 OF 4)
A2.1/A3.1



14 EXISTING CONDITION - NEW FIRE RATED WALL (2 OF 4)
A2.1/A3.1



15 EXISTING CONDITION - NEW FIRE RATED WALL (3 OF 4)
A2.1/A3.1



16 EXISTING CONDITION - NEW FIRE RATED WALL (4 OF 4)
A3.1

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2	ISSUED FOR 99% REVIEW	2020-10-15
1	ISSUED FOR DESIGN DEVELOPMENT REVIEW	2020-10-05
Revision	Description	Date

Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

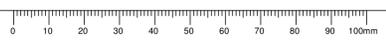
Project Title: BUILDING 116 (FEED MILL) BUILDING UPGRADES

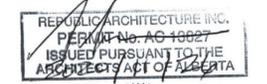
AGRICULTURE & AGRI-FOOD CANADA RESEARCH AND DEVELOPMENT CENTRE LETHBRIDGE, ALBERTA

Designed by: T.ANDREOGLU/J.JACOBSON
 Drawn by: T.ANDREOGLU/J.LOEWEN
 Approved by: S.SOLOMON
 PWGSC Project Manager: G.SPENCE
 Administrateur de Projets TPSGC

Drawing Title: PHOTOS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.097511.001	A3.1 OF	





REMOVE EXISTING GUARDRAIL
REMOVE EXISTING LADDER

1 EXISTING CONDITION - EXTERIOR STAIR (1 OF 2)
A2.1/A3.2



2 EXISTING CONDITION - EXTERIOR STAIR (2 OF 2)
A2.1/A3.2



3 EXISTING CONDITION - EXTERIOR WALKWAY (1 OF 2)
A2.1/A3.2



RELOCATE EXISTING CONDUIT, REFER TO ELECTRICAL

4 EXISTING CONDITION - EXTERIOR WALKWAY (2 OF 2)
A2.1/A3.2



5 EXISTING CONDITION - INTERIOR RAILING (1 OF 3)
A2.1/A3.2



6 EXISTING CONDITION - INTERIOR RAILING (2 OF 3)
A2.1/A3.2



7 EXISTING CONDITION - INTERIOR RAILING (3 OF 3)
A2.1/A3.2



REPLACE EXISTING LADDER, REFER TO STRUCTURAL

8 EXISTING CONDITION - PLATFORM (1 OF 1)
A2.1/A3.2



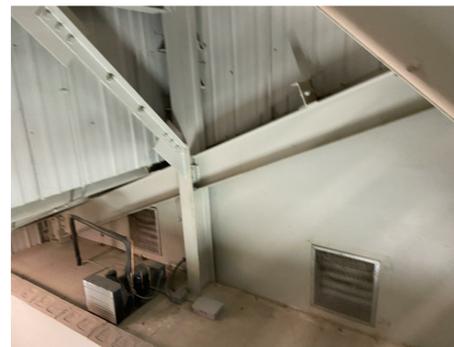
RELOCATE EXISTING SWITCHES, REFER TO ELECTRICAL

9 EXISTING CONDITION - INTERIOR WALL (1 OF 2)
A2.1/A3.2

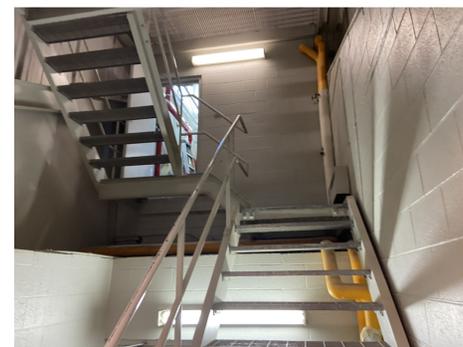


RELOCATE EXISTING SWITCHES, REFER TO ELECTRICAL

10 EXISTING CONDITION - INTERIOR WALL (2 OF 2)
A2.1/A3.2



11 EXISTING CONDITION - FIRE DAMPERS (1 OF 1)
A2.1/A3.2



12 FIRE STOPPING REQUIRED IN MAIN-SECOND FLOOR STAIR (1 OF 1)
A2.1/A3.2

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2	ISSUED FOR 99% REVIEW	2020-10-15
1	ISSUED FOR DESIGN OR DEVELOPMENT REVIEW	2020-10-05
Revision	Description	Date

Client: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

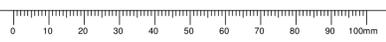
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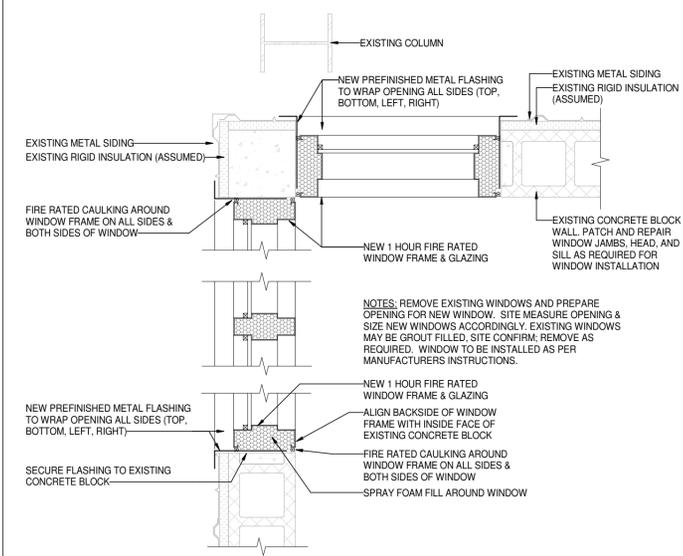
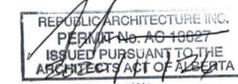
AGRICULTURE & AGRI-FOOD CANADA
RESEARCH AND DEVELOPMENT CENTRE
LETHBRIDGE, ALBERTA

Designed by: T.ANDREOGLU/N.JACOBSON
Drawn by: T.ANDREOGLU/J.LOEWEN
Approved by: S.SOLOMON
PWGSC Project Manager: G.SPENCE
Administrateur de Projets TPSGC

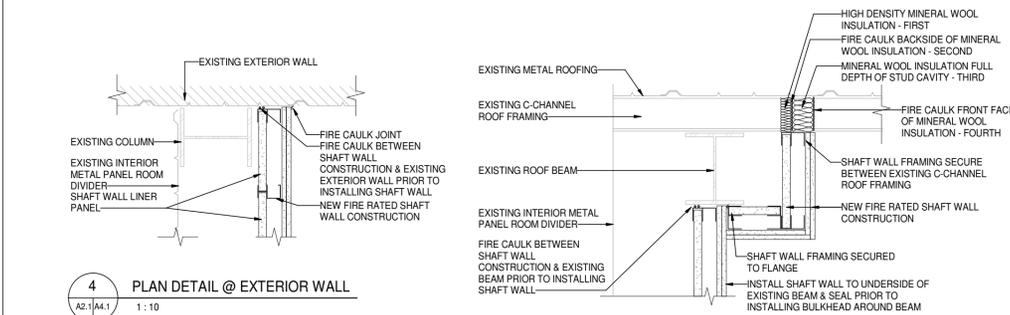
PHOTOS

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.097511.001	A3.2 OF	



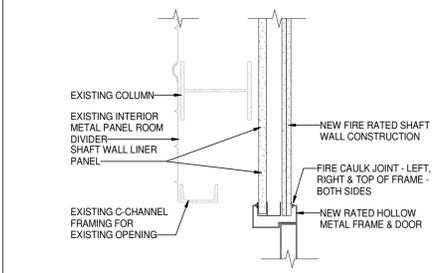


1 FIRE RATED WINDOW DETAIL
A2.1/A4.1 1:10

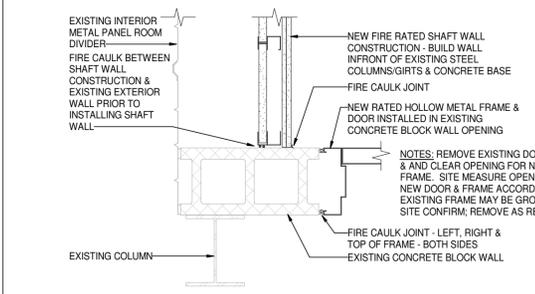


4 PLAN DETAIL @ EXTERIOR WALL
A2.1/A4.1 1:10

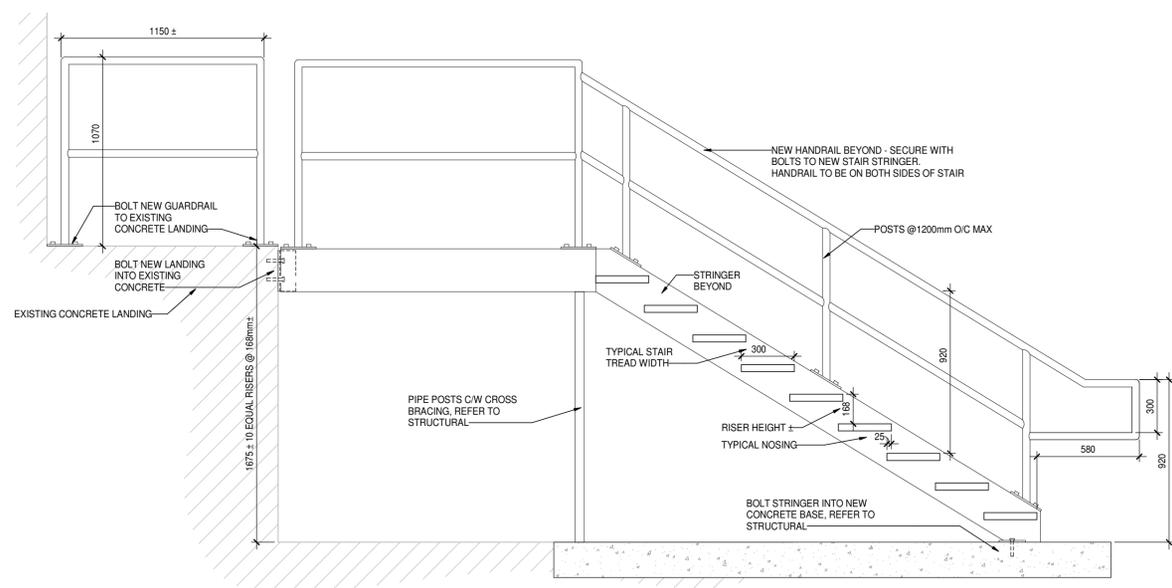
7 SECTION DETAIL @ CEILING LEVEL
A2.1/A4.1 1:10



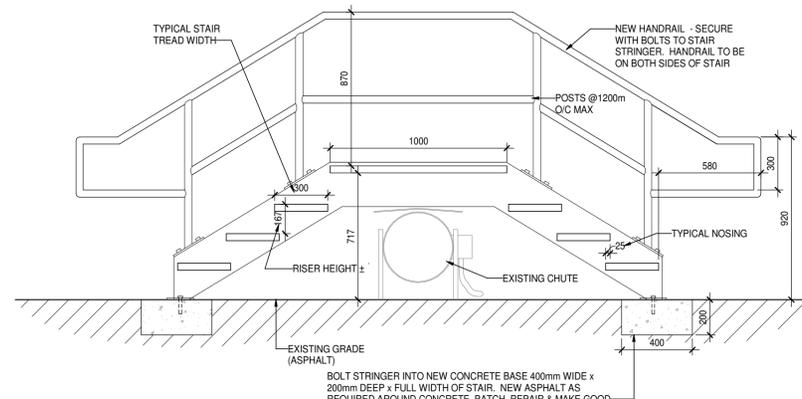
5 PLAN DETAIL @ NEW HOLLOW METAL DOOR
A2.1/A4.1 1:10



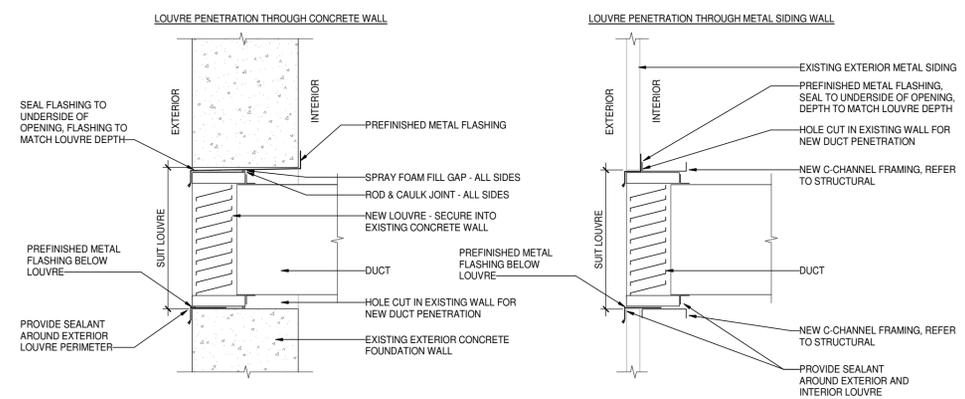
6 PLAN DETAIL @ INTERIOR WALL
A2.1/A4.1 1:10



2 EXTERIOR STAIR SECTION
A2.1/A4.1 1:20



3 STEP DETAIL
A4.1 1:20



8 LOUVRE PENETRATIONS THROUGH EXTERIOR WALL
A4.1 1:10

3	ISSUED FOR TENDER	2020-11-26
2	ISSUED FOR 99% REVIEW	2020-10-15
1	ISSUED FOR DESIGN DEVELOPMENT REVIEW	2020-10-05
Revision	Description	Date

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Project title BUILDING 116 (FEED MILL) BUILDING UPGRADES
AGRICULTURE & AGRI-FOOD CANADA RESEARCH AND DEVELOPMENT CENTRE LETHBRIDGE, ALBERTA

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