

Banff National Park

Banff, Alberta

PCA - MAINTENANCE

COMPOUND REHABILITATION

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ARCHITECTURAL

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Public Works and
Government Services
Canada

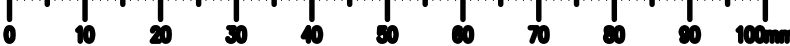
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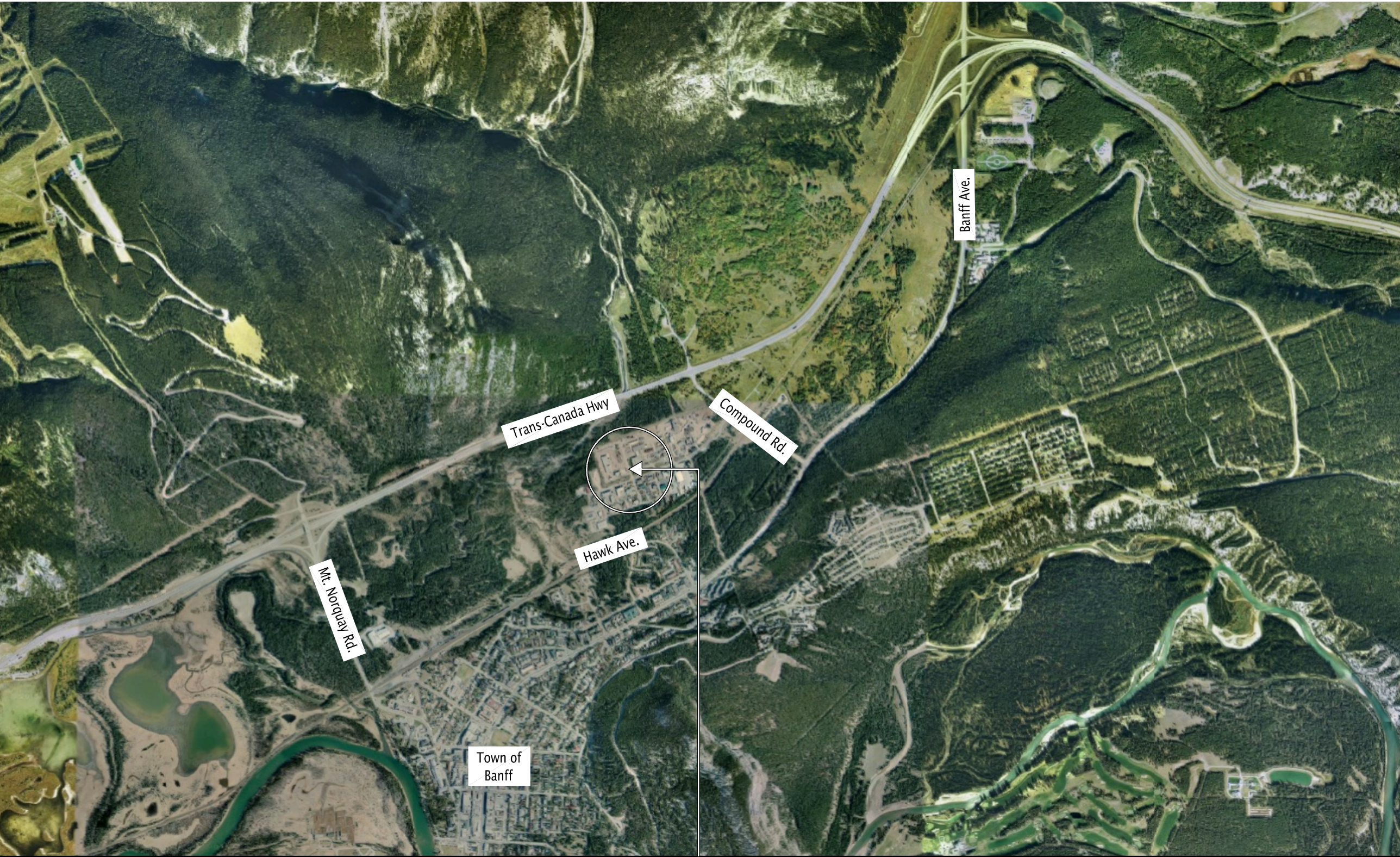
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Western Region

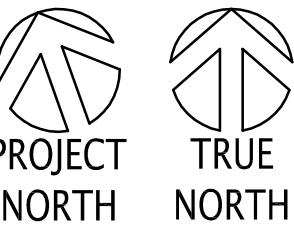
SERVICES IMMOBILIERS

Région de l'ouest





PROJECT LOCATION

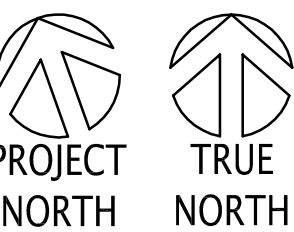


1 VICINITY PLAN
A0.01 SCALE: N.T.S.



MAINTENANCE GARAGE BUILDING

TRADES & WARDEN OFFICE BUILDING



2 PROPOSED SITE AREA
A0.01 SCALE: N.T.S.

PROJECT INFORMATION:

TOTAL ROOF AREAS		
COMPOUND BUILDING	2,233.6m ²	(24,042.3ft ²) INCLUDING CANOPES
GARAGE BUILDING	2,506.4m ²	(26,978.8ft ²) INCLUDING CANOPES

GENERAL NOTES:


1. ALL CONSTRUCTION TO COMPLY WITH ALBERTA BUILDING CODE 2014 & NBC 2015, REGULATIONS, RULES AND BY-LAWS SET BY THE AUTHORITY HAVING JURISDICTION.
2. PROVIDE AND MAINTAIN CONTINUOUS FIRE/SMOKE SEPARATIONS. EACH TRADE IS TO FIRE STOP ALL SERVICE PENETRATIONS ASSOCIATED WITH THEIR WORK WITH APPROVED AND ULC LISTED FIREPROOF SYSTEMS. REFER TO AND COMPLY WITH AUTHORITY OF JURISDICTION "FIRE STOPPING SERVICES PENETRATIONS IN BUILDINGS" DOCUMENT.
3. PROVIDE AND MAINTAIN CONTINUOUS VAPOUR RETARDER SYSTEM. CAULK AROUND OPENINGS AND GAPS WITH SEALANT TO ACHIEVE A CONTINUOUS BARRIER.
4. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION. PROMPTLY NOTIFY THE DEPARTMENTAL REPRESENTATIVE OF ANY ERRORS OR OMISSIONS.
5. THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND COORDINATE ALL INCOMING AND OUTGOING MECHANICAL AND ELECTRICAL SERVICES FOR THIS PROJECT.
6. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES AS REQUIRED TO ENSURE EFFICIENT, CORRECT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK TO AVOID CONFLICT IN THE TRADE WORK AND SCHEDULE.
7. ALL CONSTRUCTION TO COMPLY WITH INDUSTRY TRADE STANDARDS, AS WELL AS MANUFACTURERS' RECOMMENDATIONS, TO THE EXTENT THAT THOSE INSTRUCTIONS AND RECOMMENDATIONS ARE MORE EXPLICIT OR STRINGENT THAN THE REQUIREMENTS CONTAINED IN THESE CONTRACT DOCUMENTS.
8. PROVIDE ALL WARRANTIES, BONDS AND MANUFACTURERS' INSTRUCTIONS AND SERVICE MANUALS AT THE COMPLETION OF THE PROJECT.
9. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR ALL WORKS INCLUDING REVISIONS TO GAS, ELECTRICAL, DUCT WORK, REMOVAL, STORAGE AND REINSTALLATION OF HVAC UNITS.
10. ALL SURFACES ARE TO BE FREE OF EXISTING DAMAGED FLASHING, LEADS, ETC. SURFACES MUST BE FREE OF RUST, GREASE, INSULATION, ASPHALT BASED MATERIALS, ETC.
11. CONTRACTORS TO VISIT SITE PRIOR TO COMMENCING WORK TO VERIFY ALL SITE CONDITIONS.
12. CONDITION OF THE STRUCTURAL DECK IS UNCERTAIN. DURING CONSTRUCTION IF CONTRACTOR NOTICES ANY AREAS OF THE SUPPORTING STRUCTURE THAT ARE DAMAGED, DEGRADED, AND/OR DETERIORATED. THEN A STRUCTURAL ENGINEER IS TO BE ENGAGED TO REVIEW AND SUBMIT DESIGN SOLUTION.
13. NEW DOGHOUSES WILL REQUIRE GAS AND POWER LINES TO BE REROUTED TO ROOF TOP UNITS, THIS WILL REQUIRE THAT ROOF TOP UNITS BE SHUT DOWN TEMPORARILY (LESS THAN 2 HOURS).
14. STRUCTURAL DETAIL SKETCHES FOR OPENING IN-FILLING CAN BE FOUND IN PROJECT SPECIFICATION APPENDIX.
15. WHERE ROOF CURBS REQUIRE RAISING TO MEET 200mm MINIMUM ROOF CURB REQUIREMENT THE GENERAL CONTRACTOR WILL COORDINATE WITH MECHANICAL TRADES WITH EQUIPMENT REINSTALLATION.
16. MULTIPLE ANTENNA'S, VENTS, FLUES, ETC. ARE CONNECTED TO THE TWO BUILDINGS METAL ROOF FASCIA'S. THESE WILL NEED TO BE TEMPORARILY DISCONNECTED TO INSTALL NEW ROOFING SYSTEM. REINSTALL UPON COMPLETION OF ROOF INSTALLATION. MAKE PROVISIONS FOR SAFE AND STURDY TEMPORARY BRACING. COORDINATE WITH DEPARTMENTAL REPRESENTATIVE IF DATA CABLES ARE PART OF THE WORK.
17. EXISTING SKYLIGHT REMOVAL AND THE SUPPLY AND INSTALLATION OF NEW SKYLIGHTS AS SHOWN ON THE DRAWINGS SHALL BE PART OF THE CONTRACTORS SCOPE OF WORK.
18. THE DRAWINGS MUST NOT BE SCALED.
19. THE CONTRACTOR SHALL VERIFY ALL LEVELS, DATUMS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ALL NON-CONFORMANCE MUST BE REPORTED TO DEPARTMENTAL REPRESENTATIVE IMMEDIATELY.
20. ALL ARCHITECTURAL COMPONENTS WILL BE ENGINEERED AND INSTALLED BY THE RESPECTIVE SUPPLIERS & TRADES SO AS TO CONFORM WITH REQUIRED ANCHORAGE AND SEISMIC RESTRAINT AS PER ALL LOCAL CODES.
21. A SITE INSPECTION MUST BE CONDUCTED BEFORE WORK IS STARTED.
22. CONTRACTOR TO VERIFY ALL EXISTING AND NEW CONDITIONS AND DIMENSIONS ON SITE AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
23. CONTRACTOR MUST READ ALL DRAWINGS IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND ENSURE THAT WORK BETWEEN ALL TRADES SHALL BE COORDINATED.
24. ANY CONFLICTS, OMISSIONS, DISCREPANCIES AND DISAGREEMENTS IN DRAWINGS AND SPECIFICATIONS WITH BASE BUILDING OR CONSULTANTS DRAWINGS SHALL BY REPORTED TO THE DEPARTMENTAL REPRESENTATIVE.
25. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS FOR CONSTRUCTION WITHIN THE BUILDING AS SET OUT BY THE BUILDING OWNER, BUILDING CODE AND AS NOTED IN THE SPECIFICATIONS.

ROOF ASSEMBLIES:

- NOTE:
1. ALL DOWN SPOUTS FROM RAIN WATER LEADERS TO BE LOCATED AS REQUIRED OR AS SHOWN ON PLANS.
 2. PROVIDE FINISHED GALVANIZED METAL FLASHING OVER WATERPROOFING MEMBRANE (8" MIN. RETURN ON WALLS & 16" OVERLAP ROOFING FELT).

- R1 PROPOSED NEW ROOF
- TORCH APPLIED SBS MODIFIED BITUMEN CAP SHEET & STRIPPING
 - SELF-ADHERED SBS BASE STRIPPING
 - SBS BASE SHEET LAMINATED TO ASPHALT CORE BOARD
 - 64mm COATED, GLASS-FACED POLYISOCYANURATE INSULATION (R14.4)
 - 64mm COATED, GLASS-FACED POLYISOCYANURATE INSULATION (R14.4)
 - FULL TAPER-CUT TYPE 2 EPS INSULATION SLOPE PACKAGE AT MIN. 1%
 - SELF-ADHERED SBS MODIFIED BITUMEN VAPOUR RETARDER
 - MECHANICALLY FASTENED 6.4mm THICK DECK LEVELLING BOARD
 - EXISTING WOOD DECK


- R2 PROPOSED NEW CANOPY ROOF
- TORCH APPLIED SBS MODIFIED BITUMEN CAP SHEET & STRIPPING
 - SELF-ADHERED SBS BASE STRIPPING
 - SBS BASE SHEET LAMINATED TO ASPHALT CORE BOARD
 - 16mm T&G NON-TREATED PLYWOOD (SLOPED MIN. 1%)
 - WOOD BLOCKING
 - EXISTING WOOD DECK

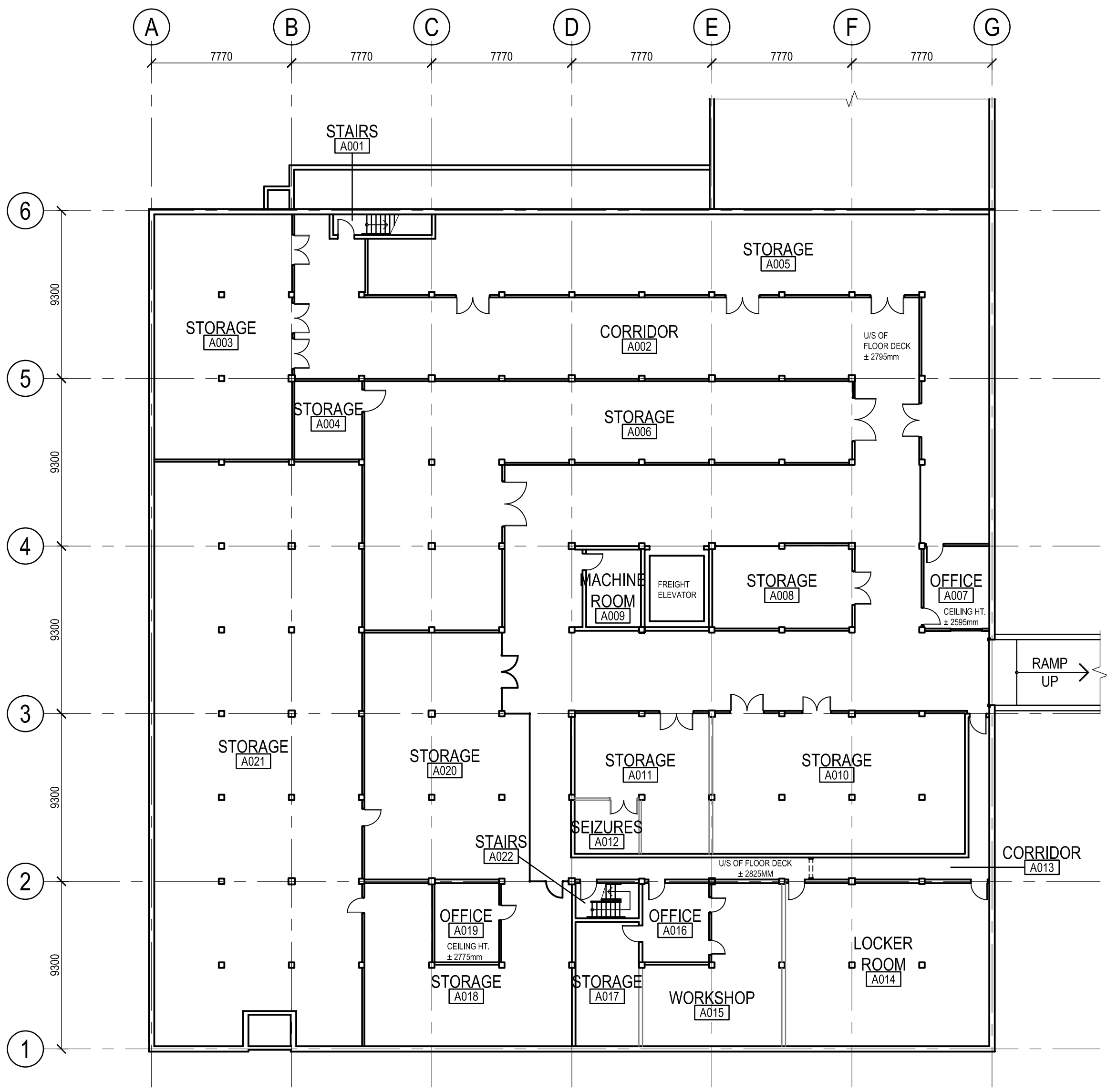


Public Works and
Government Services
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REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
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DO NOT SCALE DRAWINGS		
4	ISSUED FOR BPI TENDER	2017-01-11
3	ISSUED FOR 99% REVIEW	2016-06-13
2	RE-ISSUED FOR 50% REVIEW	2016-05-16
1	ISSUED FOR TENDER	2015-08-16
0	ISSUED FOR 99% REVIEW	2015-09-03
Revision/ Révision	Description/Description	Date/Date
Client/client		
	Parks Canada Agency	L'Agence Parcs Canada
	Western and Northern Region	Ouest et Nord du Canada
Project title/Titre du projet		
Banff National Park Banff, Alberta		
PCA - MAINTENANCE COMPOUND REHABILITATION		
Approved by/Approuvé par		
-		
Designed by/Concept par		
-		
Drawn by/Dessiné par		
TL		
Project Manager/Administrateur de Projets		
MICHAEL LYZANIWSKI		
Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie		
-		
Client/client		
Parks Canada		
Drawing title/Titre du dessin		
PROJECT INFORMATION, AREAS, ROOF ASSEMBLY & GENERAL NOTES		
Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
R.075536.001	A0.01	4



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1
A1.01
EXISTING BASEMENT PLAN
SCALE: 1:200

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Revision/	Description/Description	Date/Date
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Client/client		
Parks Canada Agency	L'Agence Parcs Canada	
Western and Northern Region	Ouest et Nord du Canada	

Project title/Titre du projet

Banff National Park
Banff, Alberta

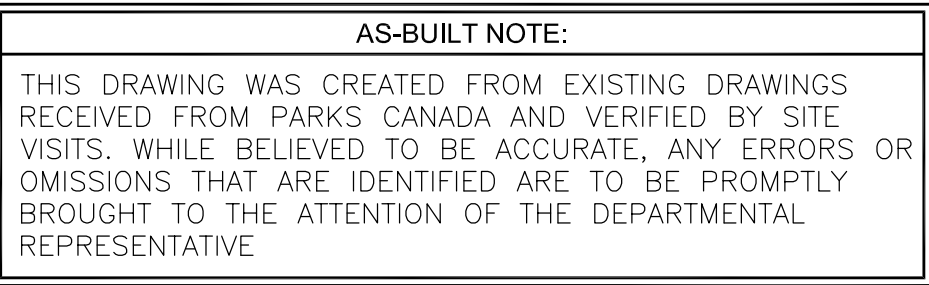
PCA - MAINTENANCE
COMPOUND
REHABILITATION

Approved by/Approuvé par	-
Designed by/Concept par	-
Drawn by/Dessiné par	JM
Project Manager/Administrateur de Projets	MICHAEL LYZANIWSKI
Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie	-
Client/client	Parks Canada

Drawing title/Titre du dessin

TRADES & WARDEN OFFICE BUILDING
EXISTING BASEMENT PLAN

Project No./No. du projet	Sheet/ Feuille	Revision no./ La Révision no.
R.075536.001	A1.01	2



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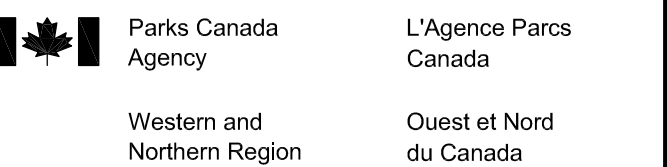
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0	ISSUED FOR 50% REVIEW	2016-05-16

Revision/ Revision	Description/Description	Date/Date
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Client/client



Project title/Titre du projet

**Banff National Park
Banff, Alberta
PCA - MAINTENANCE
COMPOUND
REHABILITATION**

Approved by/Approuve par

Designed by/Concept par

Drawn by/Dessine par

Project Manager/Administrateur de Projets
MICHAEL LYZANIWSKI

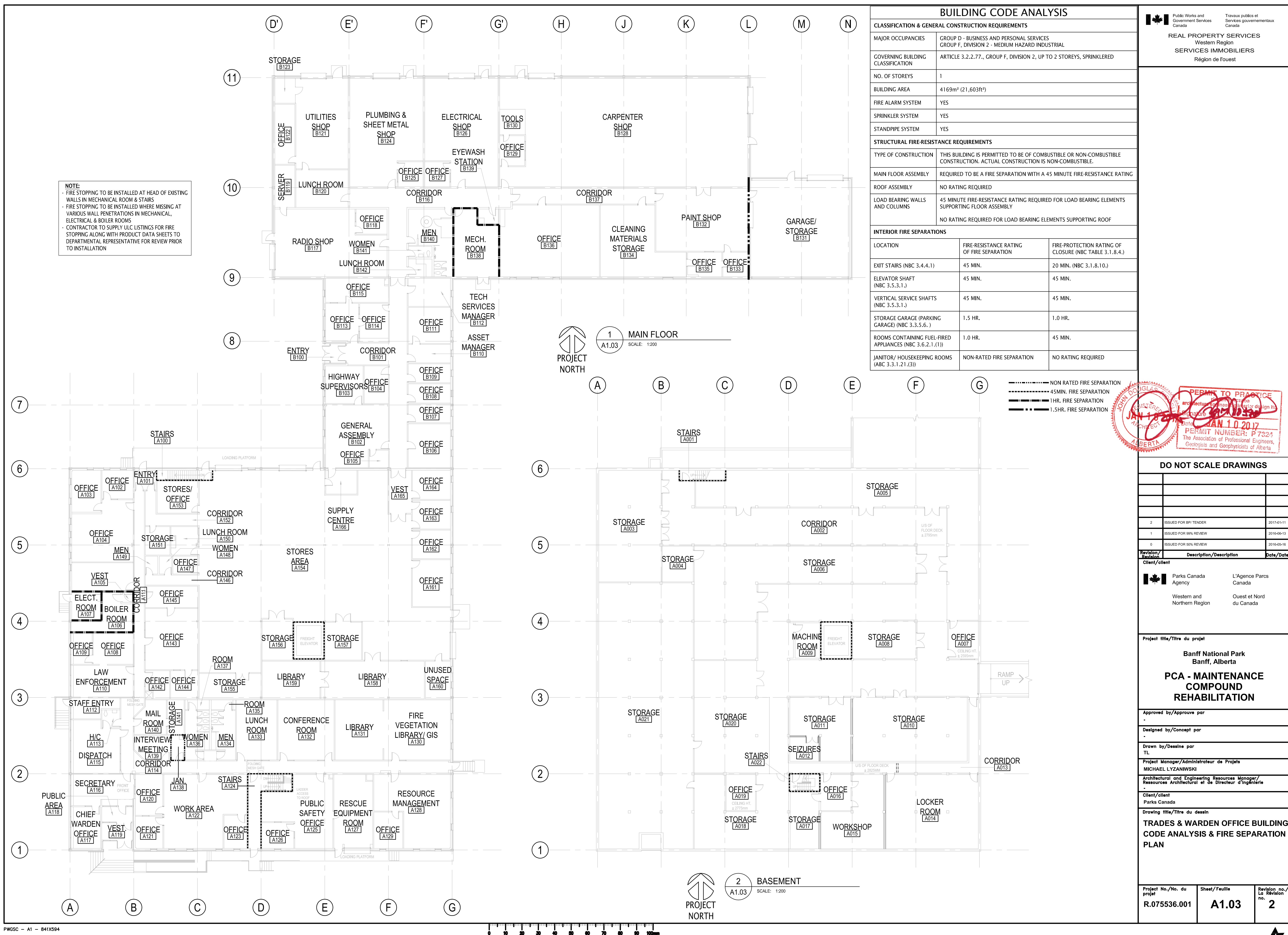
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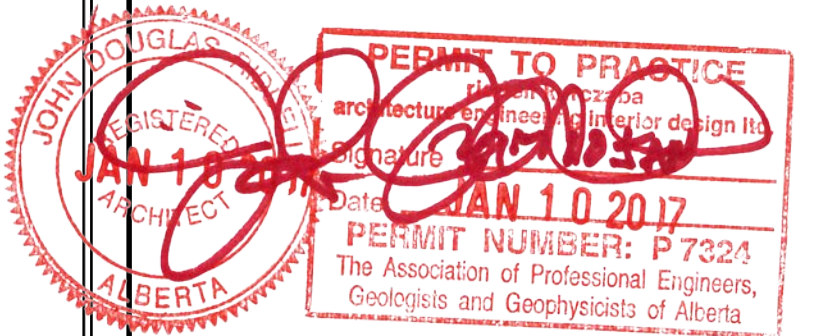
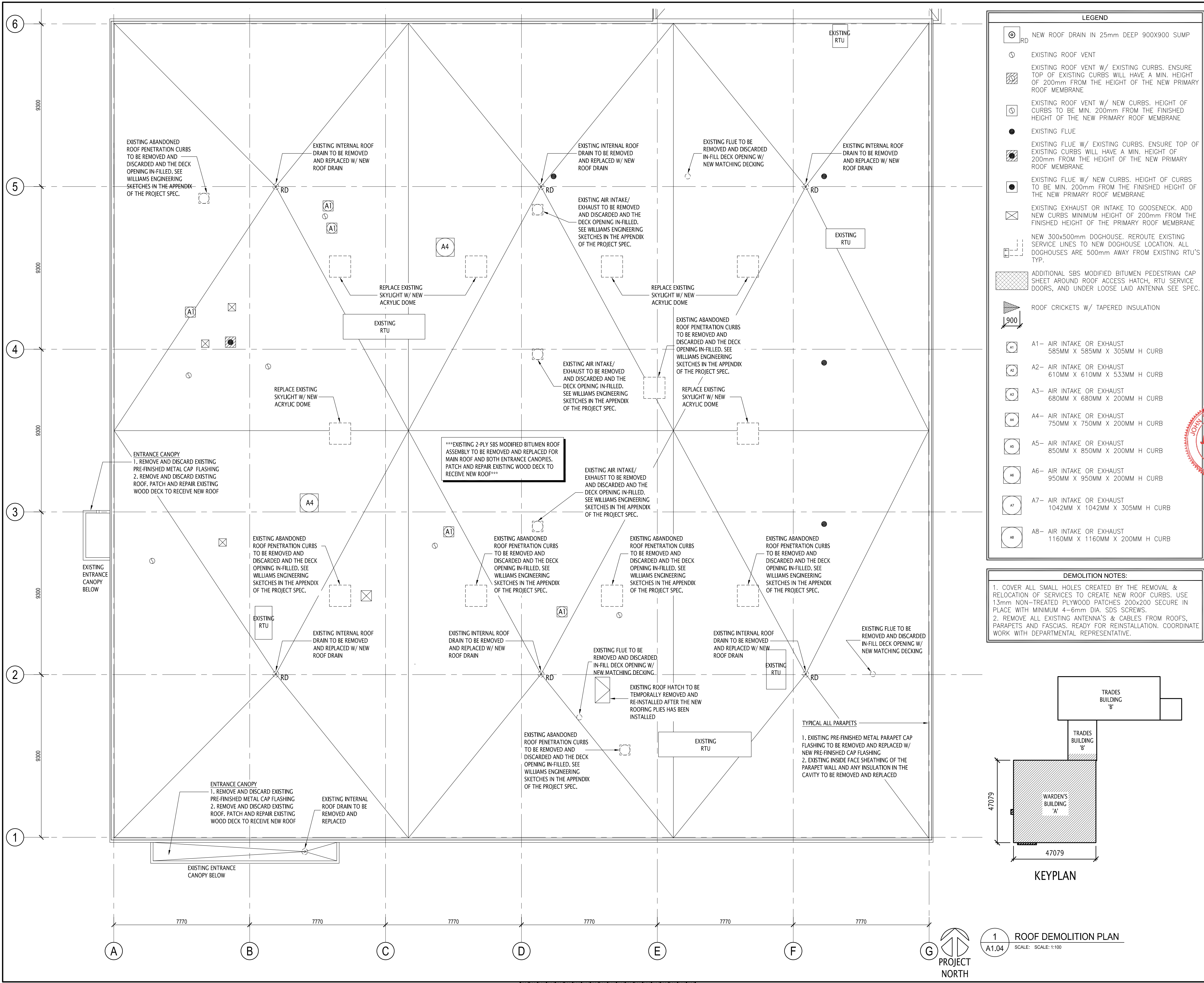
Client/client	Parks Canada
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Drawing title/Titre du dessin

TRADES & WARDEN OFFICE BUILDING
EXISTING MAIN FLOOR PLAN

Project No./No. du projet R.075536.001	Sheet/Feuille A1.02	Revision no./ La Révision no. 2
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4	ISSUED FOR BPI TENDER	2017-01-11
3	ISSUED FOR 99% REVIEW	2016-08-13
2	RE-ISSUED FOR 50% REVIEW	2016-05-16
1	ISSUED FOR TENDER	2015-08-16
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Client/client		
Parks Canada Agency	L'Agence Parcs Canada	
Western and Northern Region	Ouest et Nord du Canada	

Project title/Titre du projet
**Banff National Park
Banff, Alberta**

**PCA - MAINTENANCE
COMPOUND
REHABILITATION**

Approved by/Approuvé par
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Designed by/Concept par
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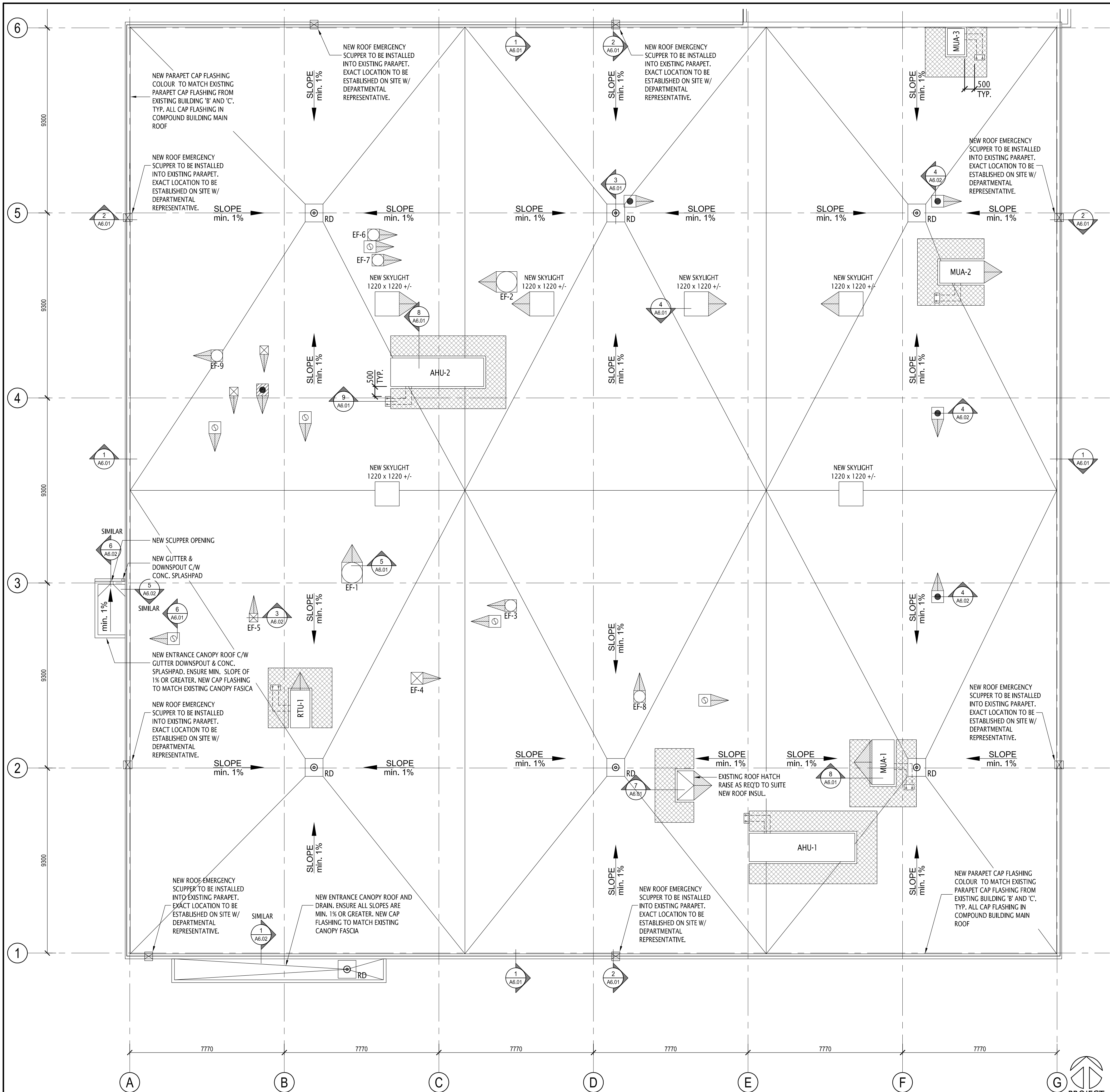
Project Manager/Administrateur de Projets
MICHAEL LYZANIEWSKI

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

Client/client
Parks Canada

Drawing title/Titre du dessin
**TRADES & WARDEN OFFICE BUILDING
ROOF DEMOLITION PLAN**

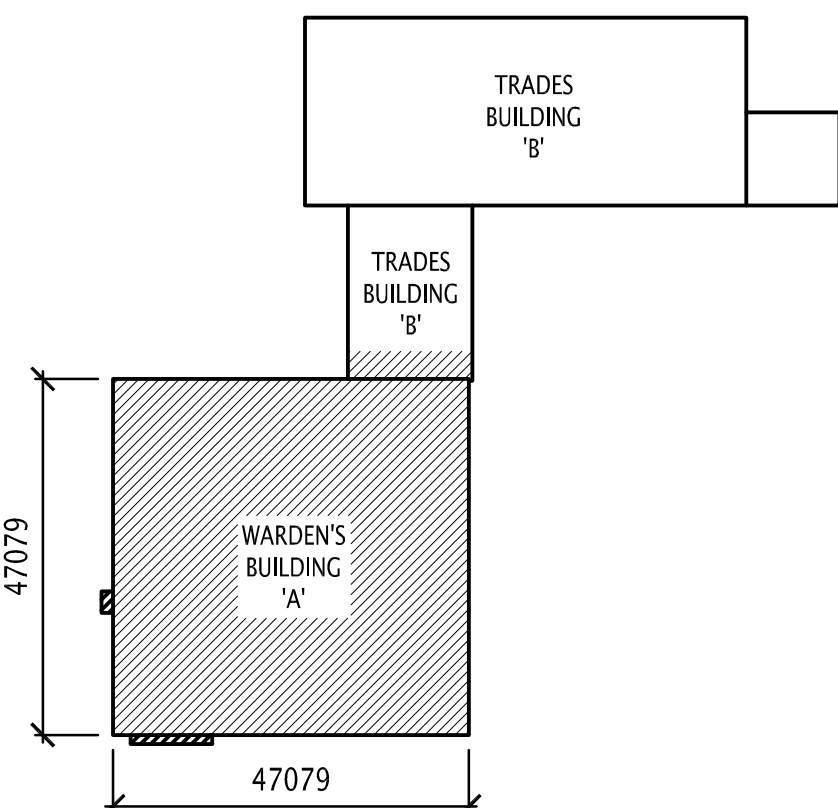
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R.075536.001	A1.04	4



LEGEND	
	NEW ROOF DRAIN IN 25mm DEEP 900X900 SUMP
	EXISTING ROOF VENT
	EXISTING ROOF VENT W/ EXISTING CURBS. ENSURE TOP OF EXISTING CURBS WILL HAVE A MIN. HEIGHT OF 200mm FROM THE HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
	EXISTING ROOF VENT W/ NEW CURBS. HEIGHT OF CURBS TO BE MIN. 200mm FROM THE FINISHED HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
	EXISTING FLUE
	EXISTING FLUE W/ EXISTING CURBS. ENSURE TOP OF EXISTING CURBS WILL HAVE A MIN. HEIGHT OF 200mm FROM THE HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
	EXISTING FLUE W/ NEW CURBS. HEIGHT OF CURBS TO BE MIN. 200mm FROM THE FINISHED HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
	EXISTING EXHAUST OR INTAKE TO GOOSENECK. ADD NEW CURBS MINIMUM HEIGHT OF 200mm FROM THE FINISHED HEIGHT OF THE PRIMARY ROOF MEMBRANE
	NEW 300x500mm DOGHOUSE. REROUTE EXISTING SERVICE LINES TO NEW DOGHOUSE LOCATION. ALL DOGHOUSES ARE 500mm AWAY FROM EXISTING RTU'S TYP.
	ADDITIONAL SBS MODIFIED BITUMEN PEDESTRIAN CAP SHEET AROUND ROOF ACCESS HATCH, RTU SERVICE DOORS, AND UNDER LOOSE LAID ANTENNA SEE SPEC.
	ROOF CRICKETS W/ TAPERED INSULATION
	A1- AIR INTAKE OR EXHAUST 585MM X 585MM X 305MM H CURB
	A2- AIR INTAKE OR EXHAUST 610MM X 610MM X 533MM H CURB
	A3- AIR INTAKE OR EXHAUST 680MM X 680MM X 200MM H CURB
	A4- AIR INTAKE OR EXHAUST 750MM X 750MM X 200MM H CURB
	A5- AIR INTAKE OR EXHAUST 850MM X 850MM X 200MM H CURB
	A6- AIR INTAKE OR EXHAUST 950MM X 950MM X 200MM H CURB
	A7- AIR INTAKE OR EXHAUST 1042MM X 1042MM X 305MM H CURB
	A8- AIR INTAKE OR EXHAUST 1160MM X 1160MM X 200MM H CURB

GENERAL NOTES:

1. ALL EXISTING CURBS ARE TO BE RAISED TO MEET THE MIN. 200mm HEIGHT FROM THE TOP OF EXISTING CURB TO THE NEW PRIMARY ROOF MEMBRANE



1 PROPOSED ROOF PLAN
A1.05 SCALE: SCALE: 1:100

Public Works and Government Services Canada
Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

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Parks Canada Agency
L'Agence Parcs Canada

Western and Northern Region
Ouest et Nord du Canada

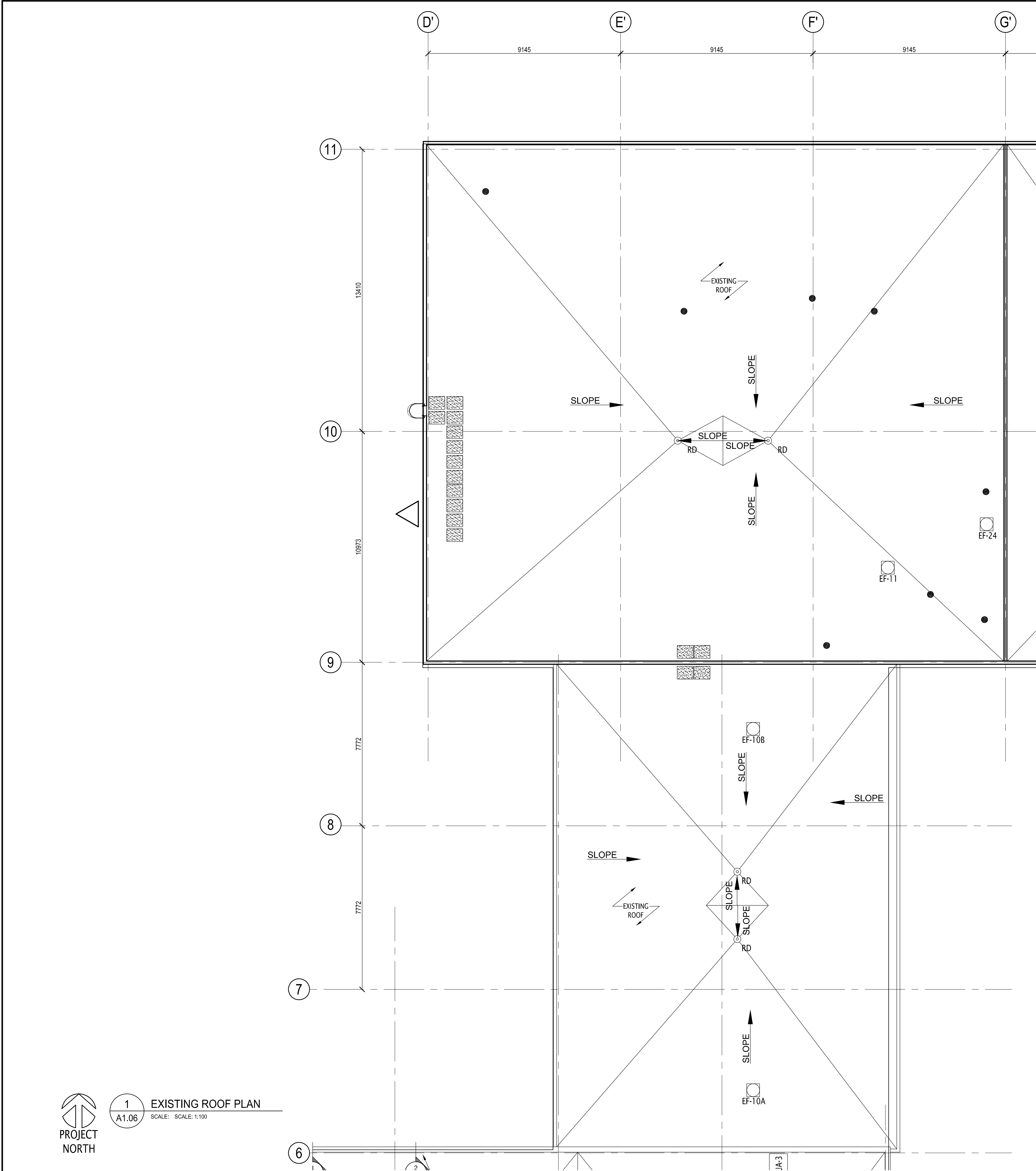
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Banff National Park
Banff, Alberta
PCA - MAINTENANCE COMPOUND REHABILITATION

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Project Manager/Administrateur de Projets
MICHAEL LYZANIWSKI
Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie

Client/client
Parks Canada

Drawing title/Titre du dessin
TRADES & WARDEN OFFICE BUILDING
PROPOSED ROOF PLAN
SOUTH SECTION

Project No./No. du projet R.075536.001	Sheet/Feuille A1.05	Revision no./ La Révision no. 4
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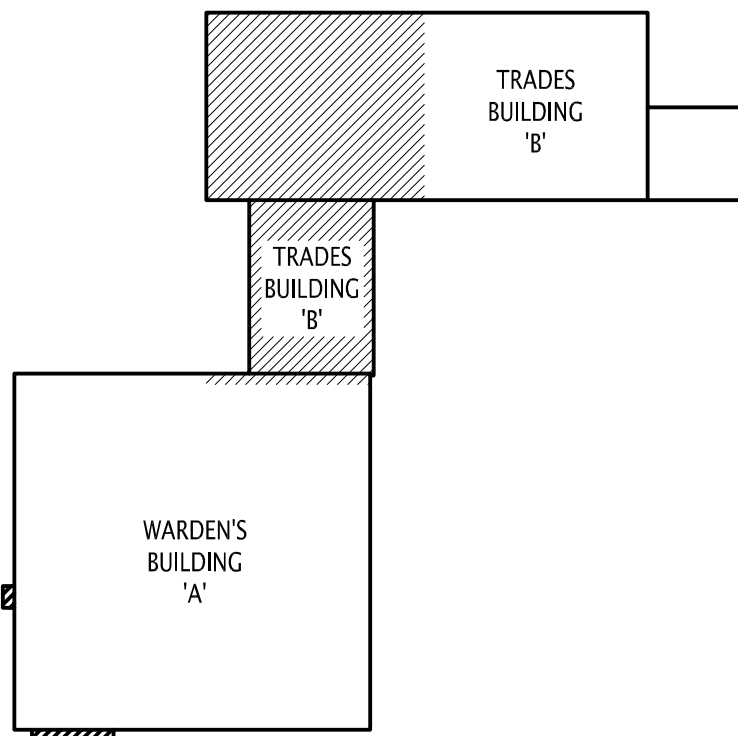


1
A1.06
EXISTING ROOF PLAN
SCALE: SCALE: 1:100

LEGEND	
	EXISTING ROOF VENT
	EXISTING FLUE
	AIR INTAKE OR EXHAUST
	EXISTING EXHAUST OR INTAKE TO GOOSENECK. ADD NEW CURBS MINIMUM HEIGHT OF 200mm FROM THE FINISHED HEIGHT OF THE PRIMARY ROOF MEMBRANE

AS-BUILT NOTE:
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THIS DRAWING IS FOR
MECHANICAL COORDINATION ONLY



KEYPLAN

DO NOT SCALE DRAWINGS

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1	ISSUED FOR BPI TENDER	2017-01-11
0	ISSUED FOR 99% REVIEW	2016-06-13

Revision/	Description/Description	Date/Date
Client/client		
	Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord du Canada

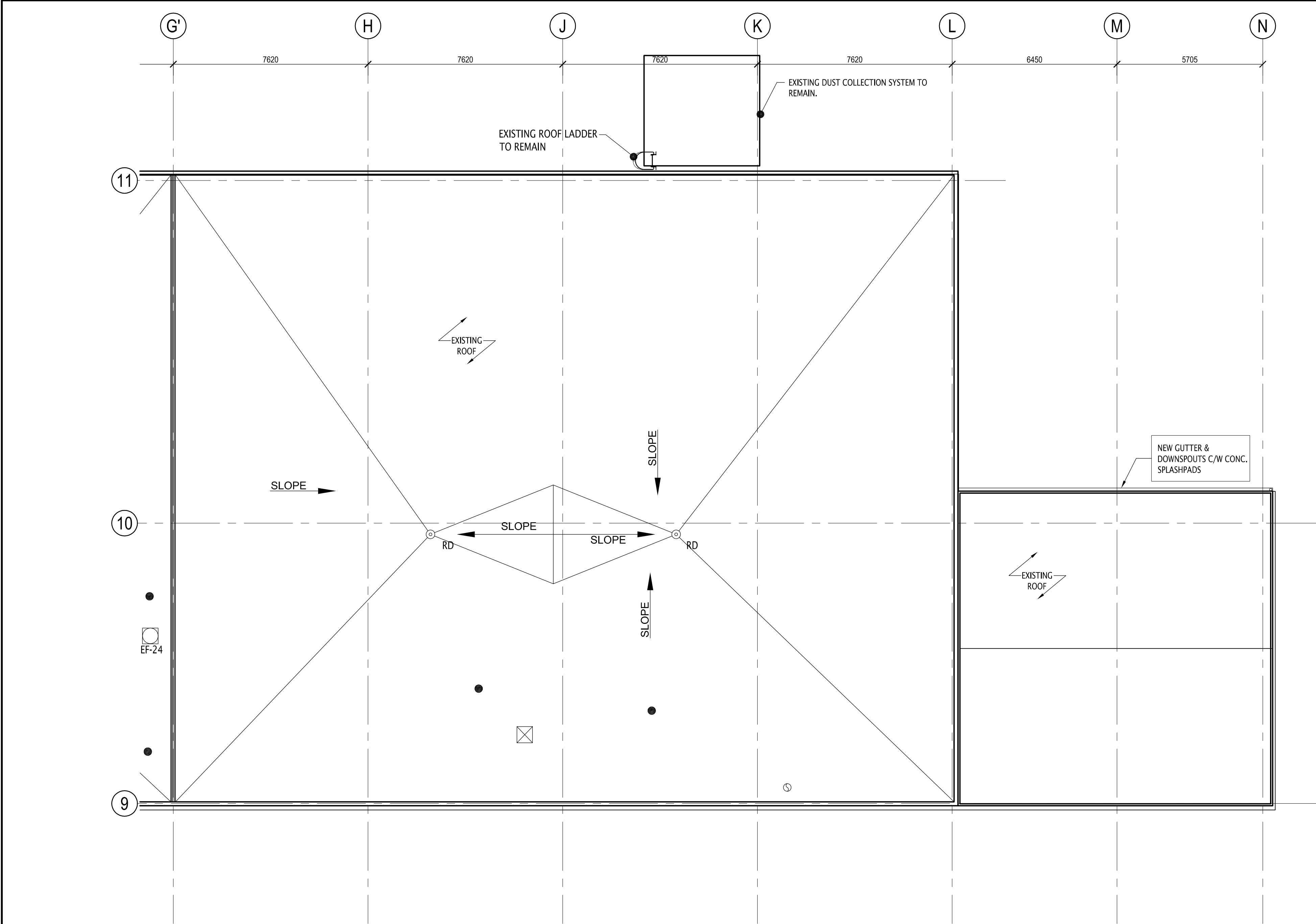
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**Banff National Park
Banff, Alberta
PCA - MAINTENANCE
COMPOUND
REHABILITATION**

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Project Manager/Administrateur de Projets MICHAEL LYZANIWSKI
Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie -
Client/client Parks Canada

Drawing title/Titre du dessin
**TRADES & WARDEN OFFICE BUILDING
EXISTING ROOF PLAN
NORTH SECTION**

Project No./No. du projet R.075536.001	Sheet/Feuille A1.06	Revision no./ La Révision no. 1
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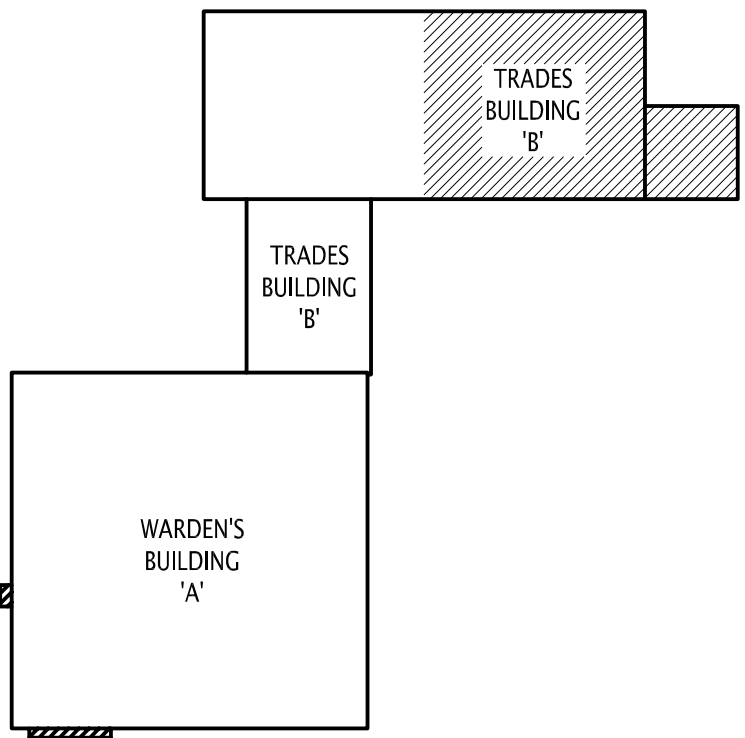




1
A1.07
EXISTING ROOF PLAN
SCALE: SCALE: 1:100

LEGEND	
	EXISTING ROOF VENT
	EXISTING FLUE
	AIR INTAKE OR EXHAUST
	EXISTING EXHAUST OR INTAKE TO GOOSENECK. ADD NEW CURBS MINIMUM HEIGHT OF 200mm FROM THE FINISHED HEIGHT OF THE PRIMARY ROOF MEMBRANE

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KEYPLAN

DO NOT SCALE DRAWINGS

Revision/Revision	Description/Description	Date/Date
1	ISSUED FOR BPI TENDER	2017-01-11
0	ISSUED FOR 99% REVIEW	2016-06-10

Client/client	
	Parks Canada Agency / L'Agence Parcs Canada
Western and Northern Region	Ouest et Nord du Canada

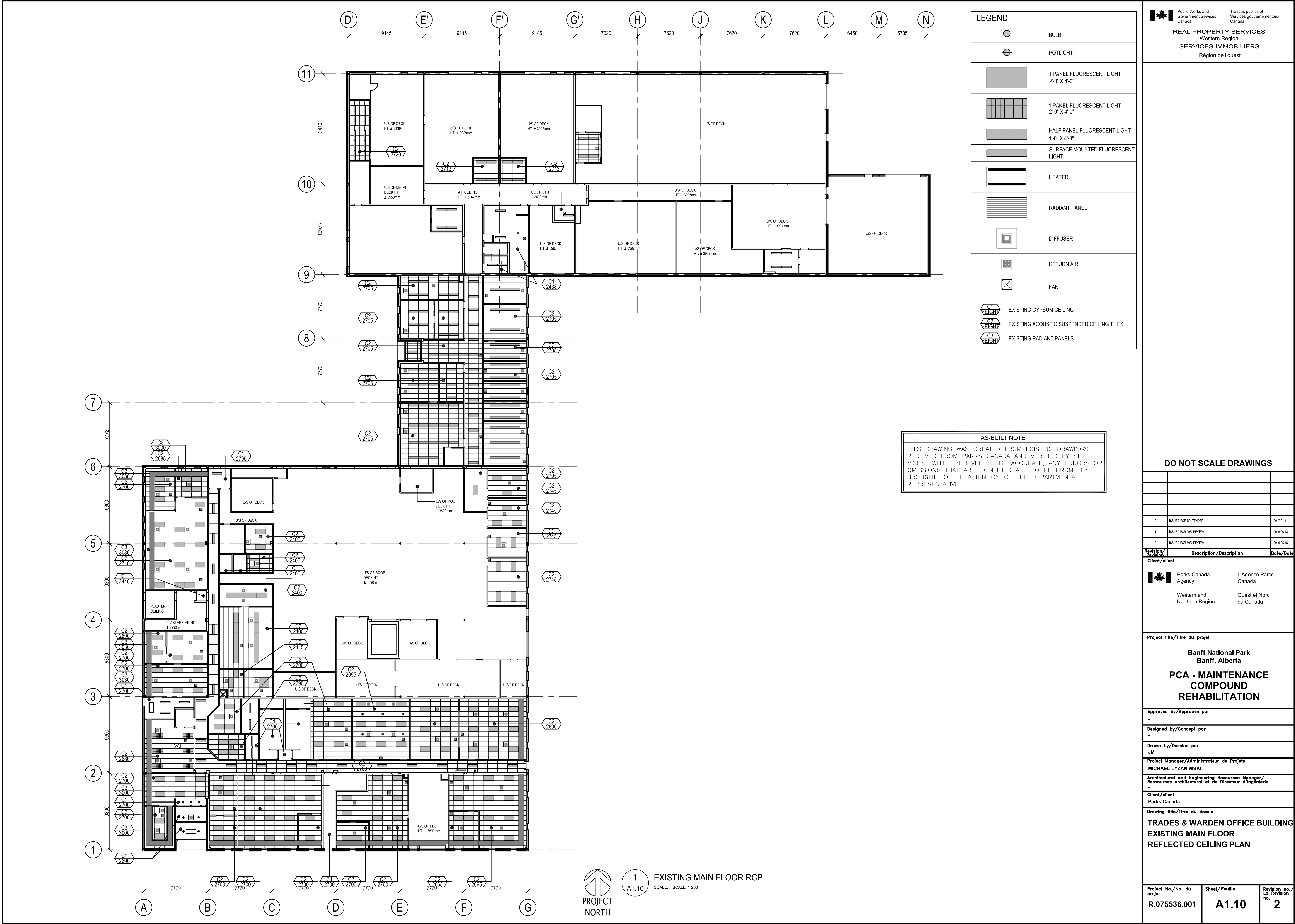
Project title/Titre du projet
**Banff National Park
Banff, Alberta**
**PCA - MAINTENANCE
COMPOUND
REHABILITATION**

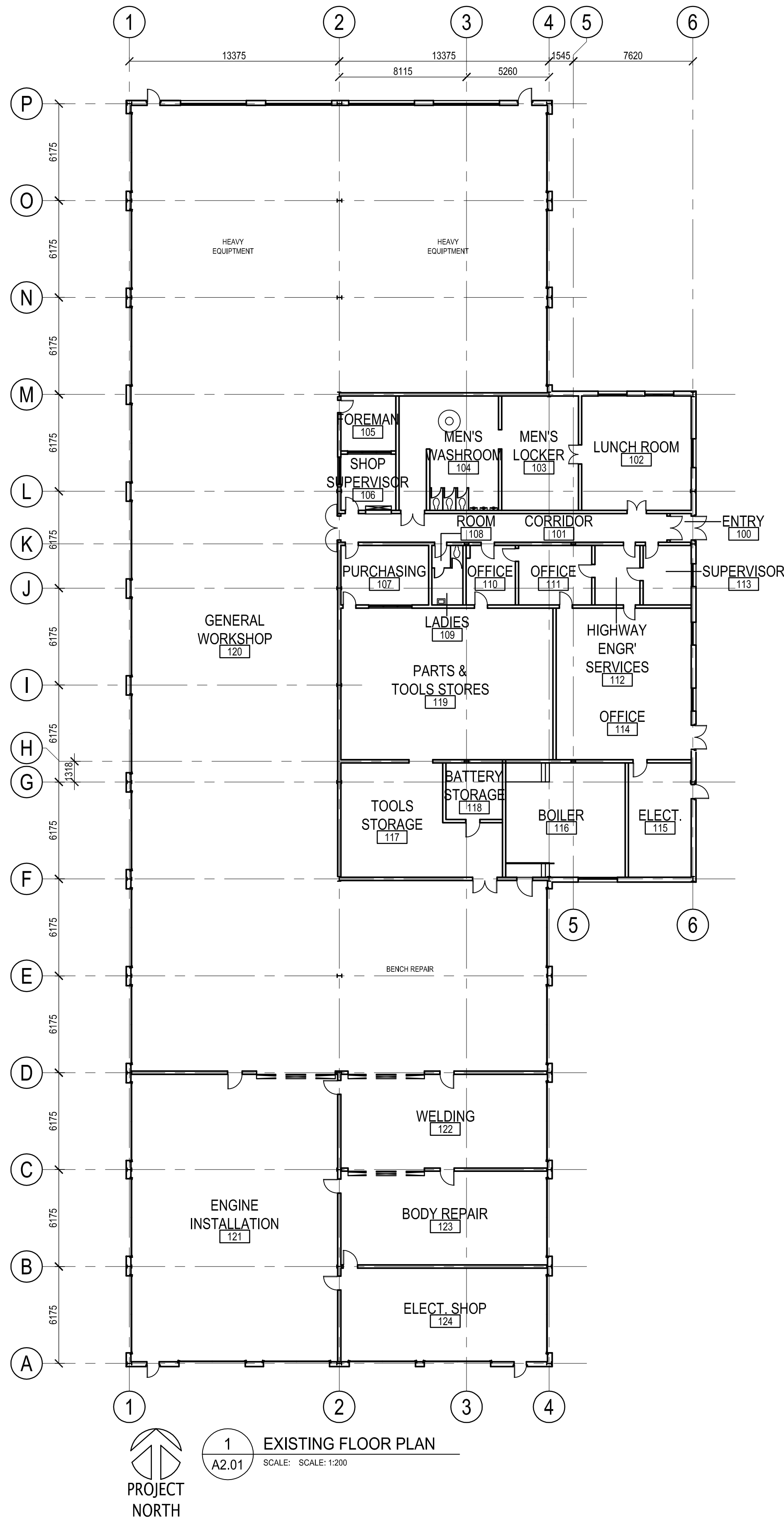
Approved by/Approuvé par -
Designed by/Concepté par -
Drawn by/Dessiné par TL
Project Manager/Administrateur de Projets MICHAEL LYZANIVSKI
Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie -
Client/client Parks Canada

Drawing title/Titre du dessin
**TRADES & WARDEN OFFICE BUILDING
EXISTING ROOF PLAN
NORTH SECTION**

Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.075536.001	A1.07	1








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DO NOT SCALE DRAWINGS

Revision/	Description/Description	Date/Date
2	ISSUED FOR BP TENDER	2017-01-11
1	ISSUED FOR 90% REVIEW	2016-06-13
0	ISSUED FOR 50% REVIEW	2016-05-16

Client/client	
 Parks Canada Agency	L'Agence Parcs Canada
Western and Northern Region	Ouest et Nord du Canada

Project title/Titre du projet

Banff National Park
Banff, Alberta

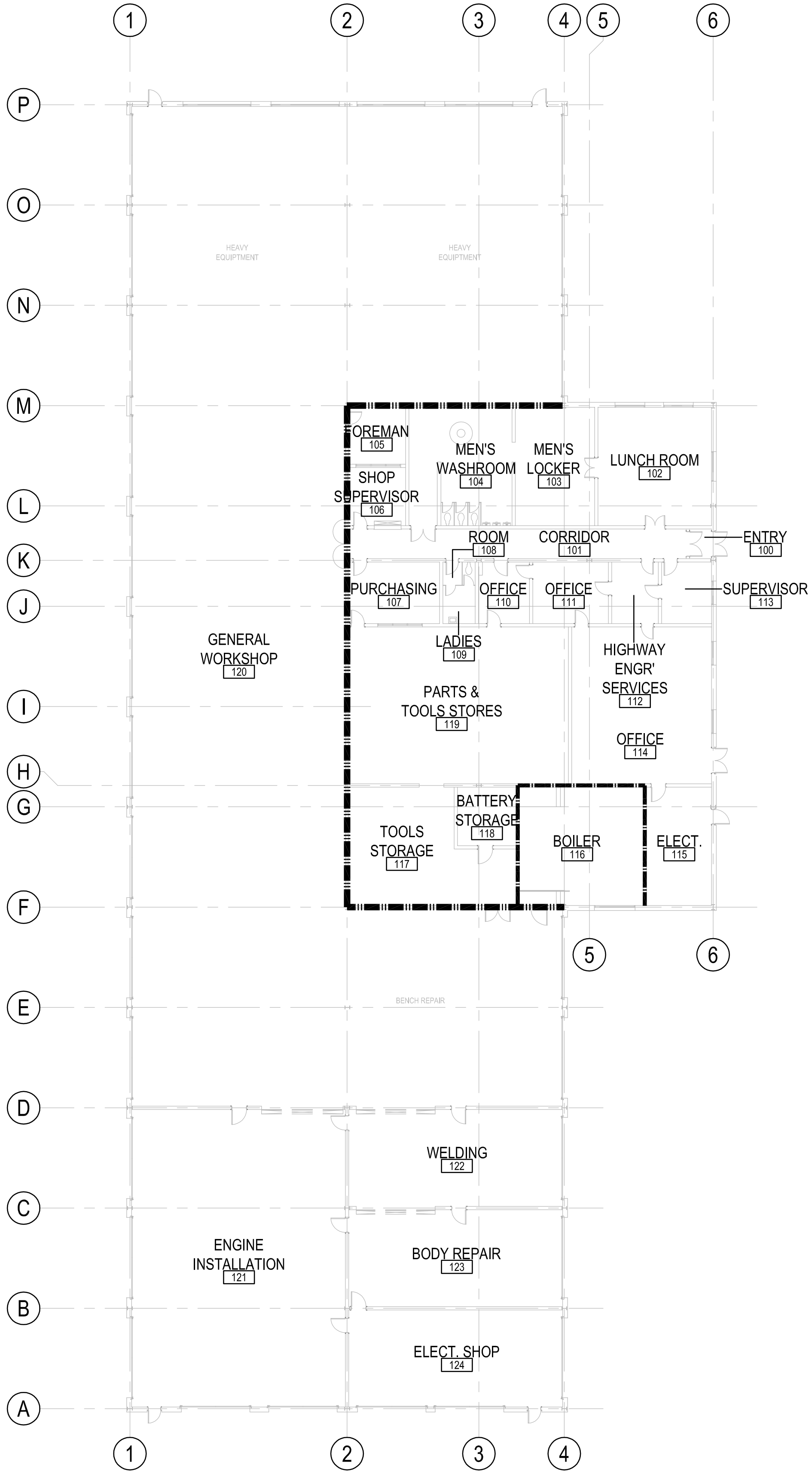
PCA - MAINTENANCE
COMPOUND
REHABILITATION

Approved by/Approuvé par	-
Designed by/Concept par	-
Drawn by/Dessiné par	JM
Project Manager/Administrateur de Projets	MICHAEL LYZANIWSKI
Architectural and Engineering Resources Manager/Ressources Architectural et de Directeur d'ingénierie	-
Client/client	Parks Canada

Drawing title/Titre du dessin

MAINTENANCE GARAGE BUILDING
EXISTING FLOOR PLAN

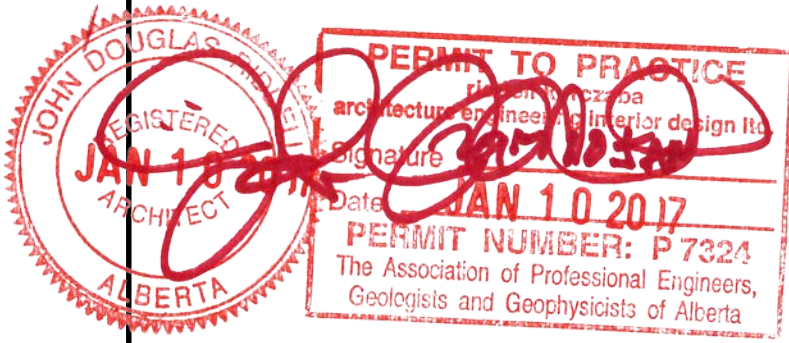
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.075536.001	A2.01	2



BUILDING CODE ANALYSIS		
CLASSIFICATION & GENERAL CONSTRUCTION REQUIREMENTS		
MAJOR OCCUPANCIES	GROUP F, DIVISION 2 - MEDIUM HAZARD INDUSTRIAL	
GOVERNING BUILDING CLASSIFICATION	ARTICLE 3.2.2.77., GROUP F, DIVISION 2, UP TO 2 STOREYS, SPRINKLERED	
NO. OF STOREYS	1	
BUILDING AREA	2473m²	
FIRE ALARM SYSTEM	YES	
SPRINKLER SYSTEM	YES	
STANDPIPE SYSTEM	NOT REQUIRED	
STRUCTURAL FIRE-RESISTANCE REQUIREMENTS		
TYPE OF CONSTRUCTION	THIS BUILDING IS PERMITTED TO BE OF COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION	
ROOF ASSEMBLY	NO RATING REQUIRED	
LOAD BEARING WALLS AND COLUMNS	NO RATING REQUIRED	
INTERIOR FIRE SEPARATIONS		
LOCATION	FIRE-RESISTANCE RATING OF FIRE SEPARATION	FIRE-PROTECTION RATING OF CLOSURE (NBC TABLE 3.1.8.4.)
MAINTENANCE GARAGE SEPARATION FROM REMAINDER OF BUILDING (NBC 3.3.5.5.)	2 HR.	1.5 HR.
ROOMS CONTAINING FUEL-FIRED APPLIANCES (NBC 3.6.2.1.(1))	1.0 HR.	45 MIN.
JANITOR/ HOUSEKEEPING ROOMS (ABC 3.3.1.21.(3))	NON-RATED FIRE SEPARATION	NO RATING REQUIRED

1HR. FIRE SEPARATION
2HR. FIRE SEPARATION

NOTE:
- FIRE STOPPING TO BE INSTALLED WHERE MISSING AT VARIOUS WALL PENETRATIONS IN FIRE SEPARATIONS
- CONTRACTOR TO SUPPLY ULC LISTINGS FOR FIRE STOPPING ALONG WITH PRODUCT DATA SHEETS TO DEPARTMENTAL REPRESENTATIVE FOR REVIEW PRIOR TO INSTALLATION



DO NOT SCALE DRAWINGS

Revision/Revision	Description/Description	Date/Date
2	ISSUED FOR BPI TENDER	2017-01-11
1	ISSUED FOR 99% REVIEW	2016-06-13
0	ISSUED FOR 50% REVIEW	2016-05-16

Client/client	
	Parks Canada Agency L'Agence Parcs Canada
Western and Northern Region	Ouest et Nord du Canada

Project title/Titre du projet
**Banff National Park
Banff, Alberta**
**PCA - MAINTENANCE
COMPOUND
REHABILITATION**

Approved by/Approuvé par -
Designed by/Concept par -
Drawn by/Dessiné par TL
Project Manager/Administrateur de Projets MICHAEL LYZANIVSKI
Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie -
Client/client Parks Canada

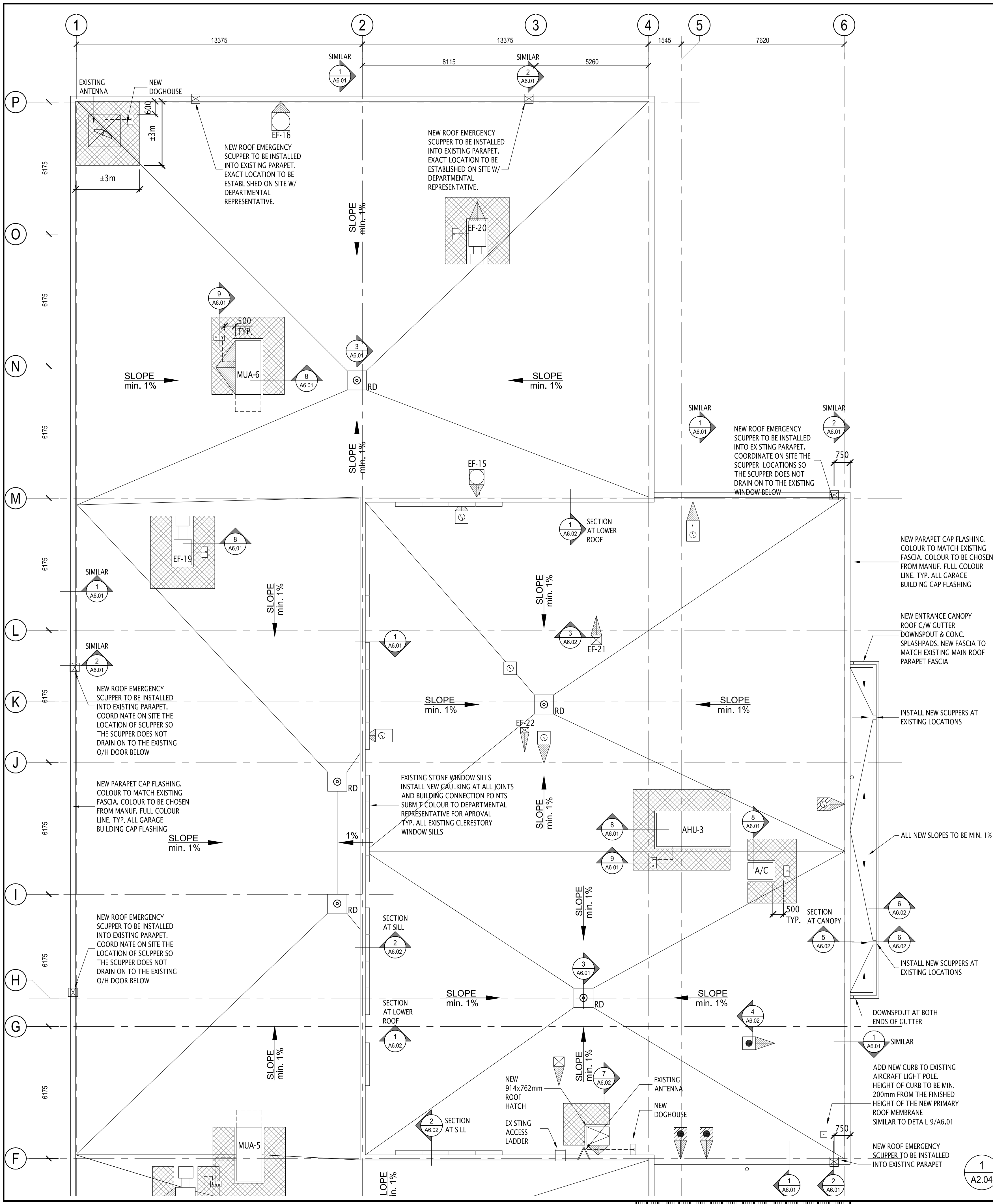
Drawing title/Titre du dessin
**MAINTENANCE GARAGE BUILDING
CODE ANALYSIS & FIRE SEPARATION
PLAN**

Project No./No. du projet R.075536.001	Sheet/Fauille A2.02	Revision no./La Révision no. 2
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1 MAIN FLOOR
A2.02 SCALE: 1:200



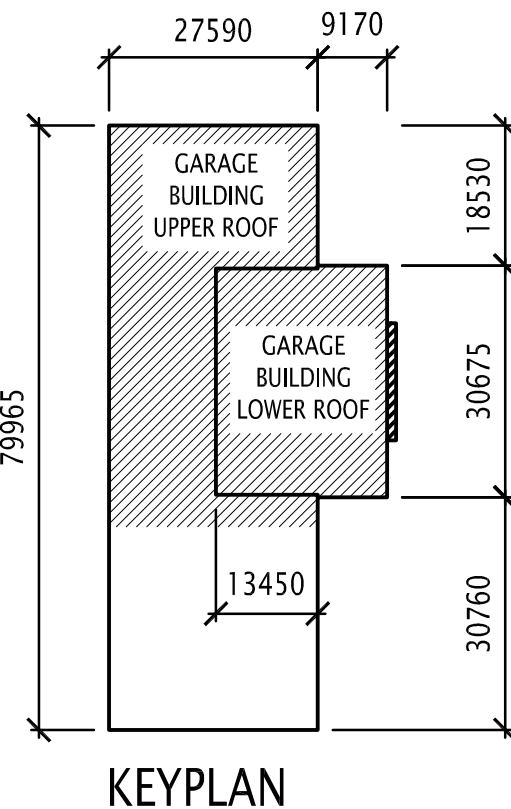


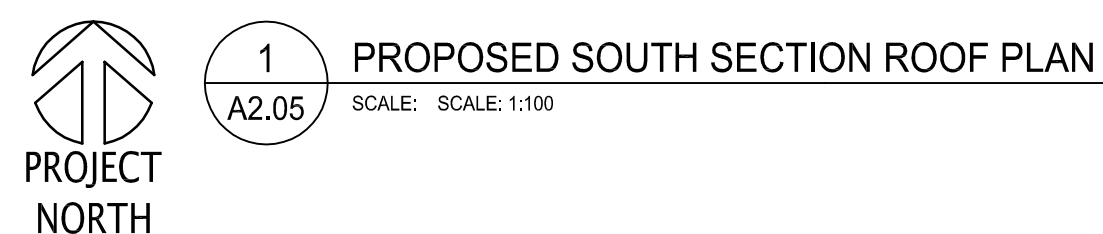
LEGEND

- RD NEW ROOF DRAIN IN 25mm DEEP 900X900 SUMP
- EXISTING ROOF VENT
- EXISTING ROOF VENT W/ EXISTING CURBS. ENSURE TOP OF EXISTING CURBS WILL HAVE A MIN. HEIGHT OF 200mm FROM THE HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
- EXISTING ROOF VENT W/ NEW CURBS. HEIGHT OF CURBS TO BE MIN. 200mm FROM THE FINISHED HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
- EXISTING FLUE
- EXISTING FLUE W/ EXISTING CURBS. ENSURE TOP OF EXISTING CURBS WILL HAVE A MIN. HEIGHT OF 200mm FROM THE HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
- EXISTING FLUE W/ NEW CURBS. HEIGHT OF CURBS TO BE MIN. 200mm FROM THE FINISHED HEIGHT OF THE NEW PRIMARY ROOF MEMBRANE
- EXISTING EXHAUST OR INTAKE TO GOOSENECK. ADD NEW CURBS MINIMUM HEIGHT OF 200mm FROM THE FINISHED HEIGHT OF THE PRIMARY ROOF MEMBRANE
- NEW 300x500mm DOGHOUSE. REROUTE EXISTING SERVICE LINES TO NEW DOGHOUSE LOCATION. ALL DOGHOUSES ARE 500mm AWAY FROM EXISTING RTU'S TYP.
- ADDITIONAL SBS MODIFIED BITUMEN PEDESTRIAN CAP SHEET AROUND ROOF ACCESS HATCH, RTU SERVICE DOORS, AND UNDER LOOSE LAID ANTENNA SEE SPEC.
- ROOF CRICKETS W/ TAPERED INSULATION
- A1- AIR INTAKE OR EXHAUST 585MM X 585MM X 305MM H CURB
- A2- AIR INTAKE OR EXHAUST 610MM X 610MM X 533MM H CURB
- A3- AIR INTAKE OR EXHAUST 680MM X 680MM X 200MM H CURB
- A4- AIR INTAKE OR EXHAUST 750MM X 750MM X 200MM H CURB
- A5- AIR INTAKE OR EXHAUST 850MM X 850MM X 200MM H CURB
- A6- AIR INTAKE OR EXHAUST 950MM X 950MM X 200MM H CURB
- A7- AIR INTAKE OR EXHAUST 1042MM X 1042MM X 305MM H CURB
- A8- AIR INTAKE OR EXHAUST 1160MM X 1160MM X 200MM H CURB

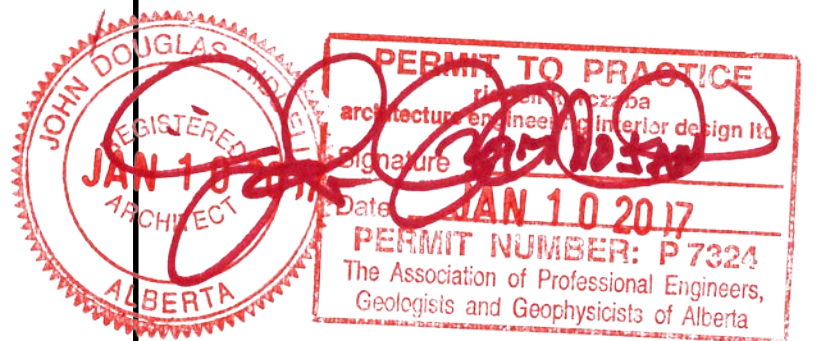
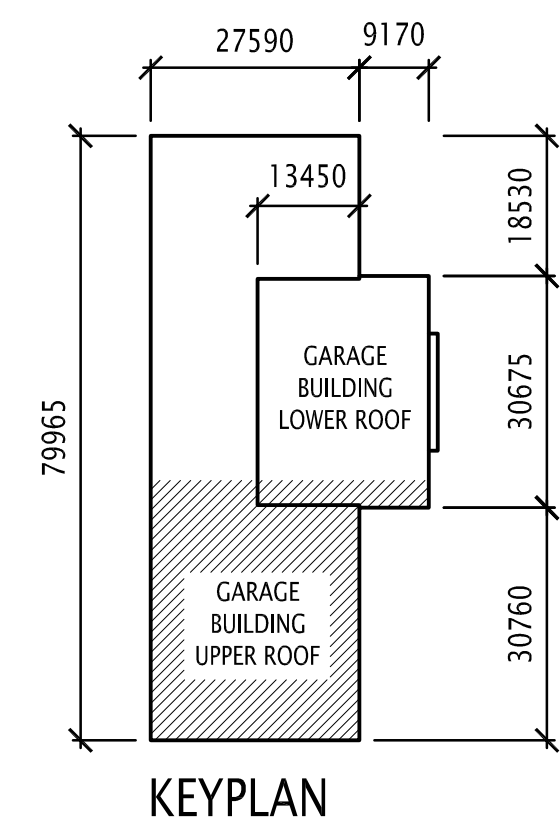
GENERAL NOTES:

1. ALL EXISTING CURBS ARE TO BE RAISED TO MEET THE MIN. 200mm HEIGHT FROM THE TOP OF EXISTING CURB TO THE NEW PRIMARY ROOF MEMBRANE






GENERAL NOTES:	
1.	ALL EXISTING CURBS ARE TO BE RAISED TO MEET THE MIN. 200mm HEIGHT FROM THE TOP OF EXISTING CURB TO THE NEW PRIMARY ROOF MEMBRANE



4	ISSUED FOR 8P/ TENDER	2017-01-11
3	ISSUED FOR 99% REVIEW	2016-06-13
2	RE-4SSUED FOR 50% REVIEW	2016-05-16
1	ISSUED FOR TENDER	2015-09-16
0	ISSUED FOR 99% REVIEW	2015-09-03

Revision/ Révision	Description/Description	Date/Date
Client/client		
	Parks Canada Agence	L'Agence Parcs Canada
	Western and Northern Region	Ouest et Nord du Canada

Banff National Park
Banff, Alberta

PCA - MAINTENANCE COMPOUND REHABILITATION

Designed by/Concept par

Project Manager/Administrateur de Projets
MICHAEL LYZANIWSKI

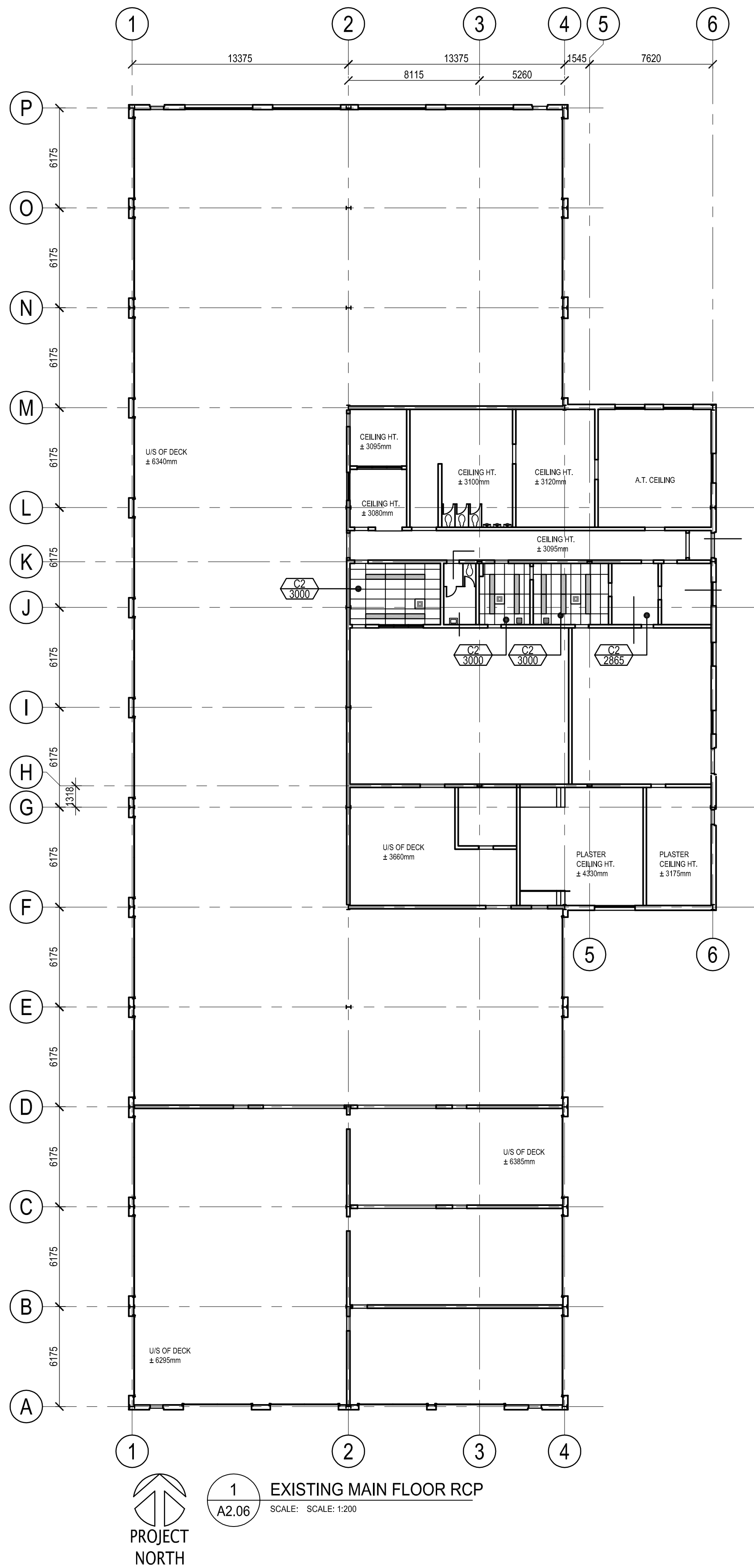
Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie

Drawing title/Titre du dessin

**MAINTENANCE GARAGE BUILDING
PROPOSED ROOF PLAN
NORTH SECTION**

Project No./No. du projet R.075536.001	Sheet/Feuille A2.05	Revision no./La Révision no. 4
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LEGEND	
	BULB
	POTLIGHT
	1 PANEL FLUORESCENT LIGHT 2'-0" X 4'-0"
	1 PANEL FLUORESCENT LIGHT 2'-0" X 4'-0"
	HALF PANEL FLUORESCENT LIGHT 1'-0" X 4'-0"
	SURFACE MOUNTED FLUORESCENT LIGHT
	HEATER
	RADIANT PANEL
	DIFFUSER
	RETURN AIR
	FAN
	EXISTING GYPSUM CEILING
	EXISTING ACOUSTIC SUSPENDED CEILING TILES
	EXISTING RADIANT PANELS

DO NOT SCALE DRAWINGS

Revision/ Révision	Description/Description	Date/Date
2	ISSUED FOR BPI TENDER	2017-01-11
1	ISSUED FOR 50% REVIEW	2016-06-13
0	ISSUED FOR 50% REVIEW	2016-05-16

Client/client	
	Parks Canada Agence
	L'Agence Parcs Canada
Western and Northern Region	Ouest et Nord du Canada

Project title/Titre du projet

**Banff National Park
Banff, Alberta**

**PCA - MAINTENANCE
COMPOUND
REHABILITATION**

Approved by/Approuvé par
-

Designed by/Concept par
-

Drawn by/Dessiné par
JM

Project Manager/Administrateur de Projets
MICHAEL LYZANIWSKI

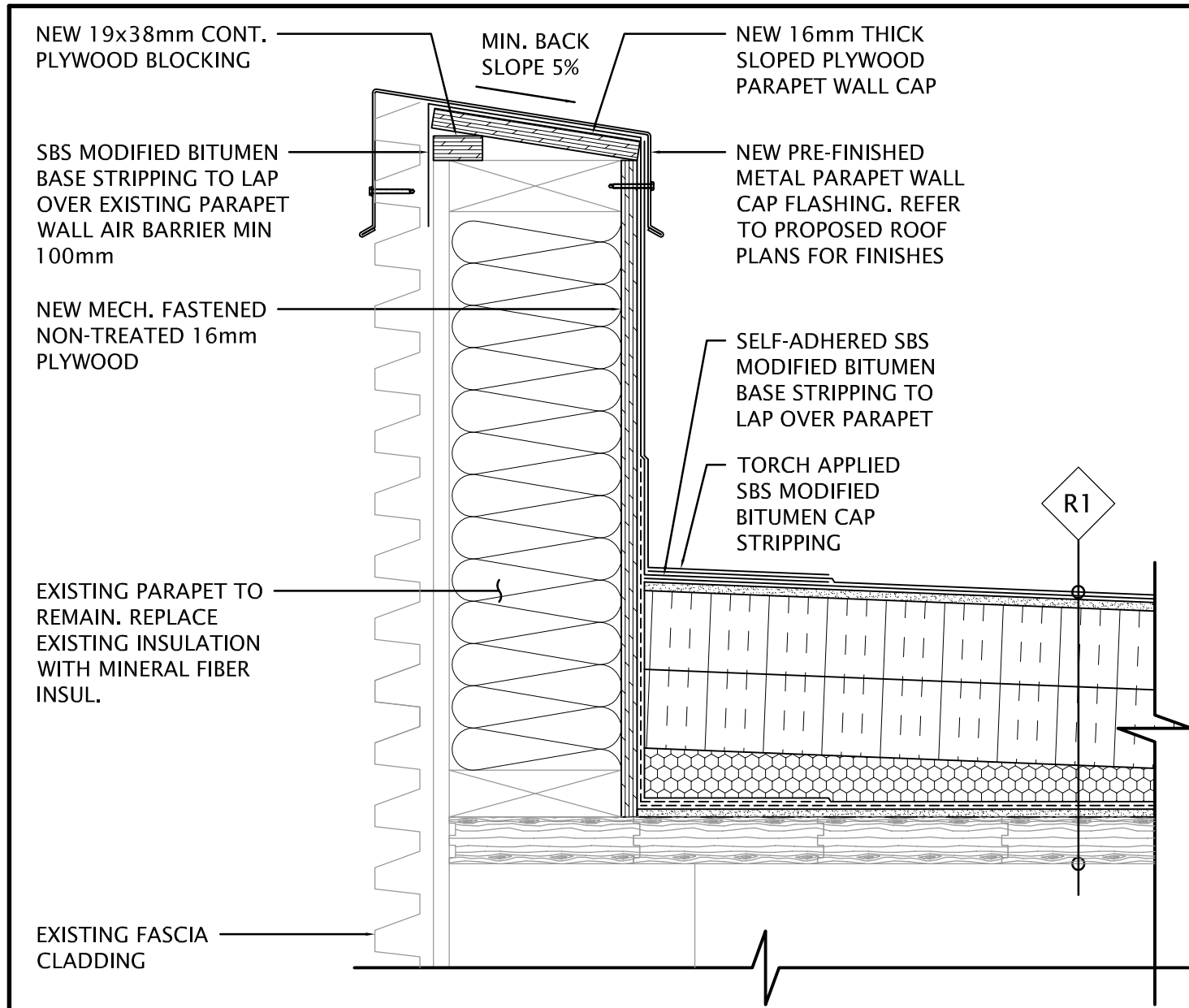
Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie
-

Client/client
Parks Canada

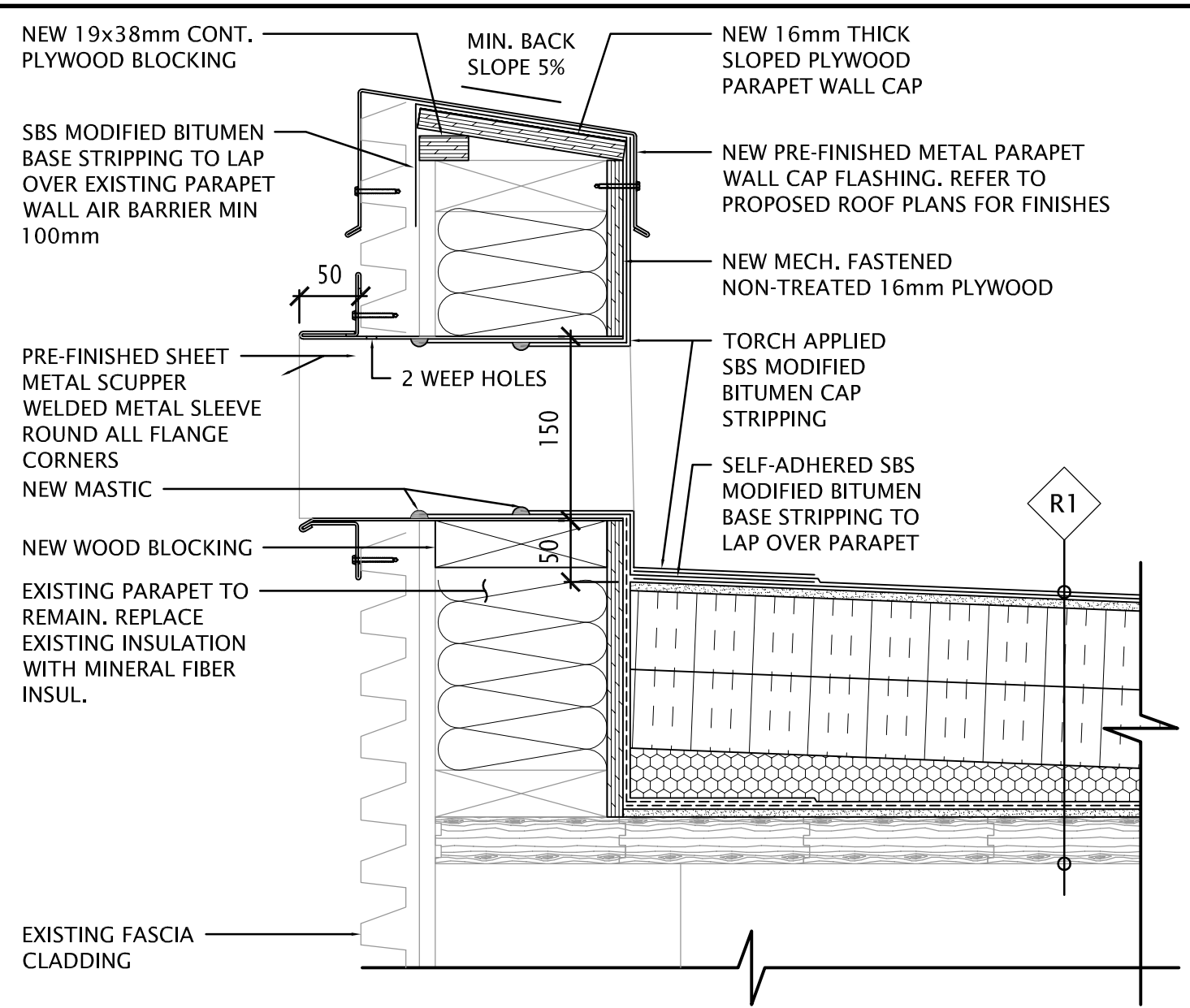
Drawing title/Titre du dessin

**MAINTENANCE GARAGE BUILDING
EXISTING REFLECTED CEILING PLAN**

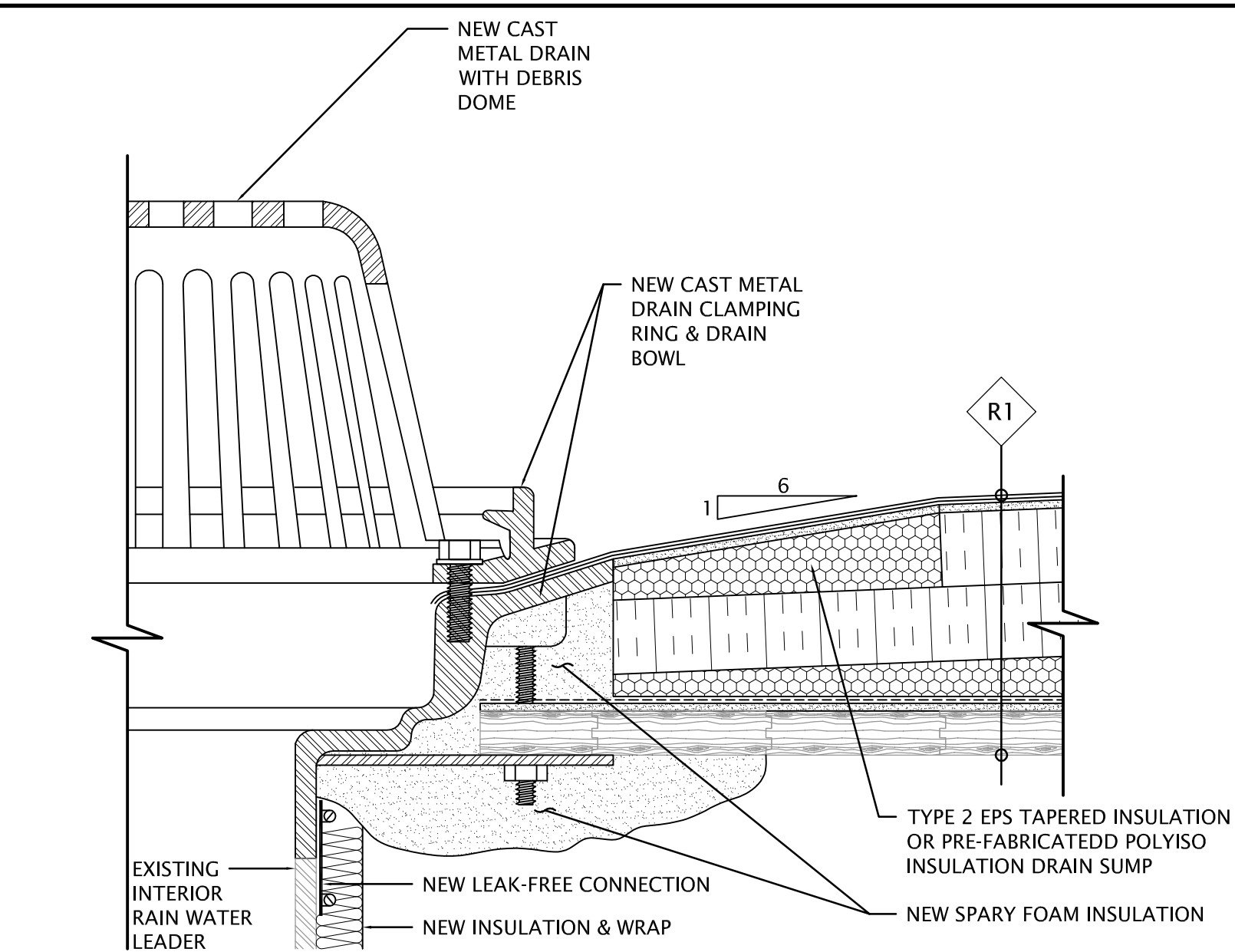
Project No./No. du projet	Sheet/Fauille	Revision no./ La Révision no.
R.075536.001	A2.06	2



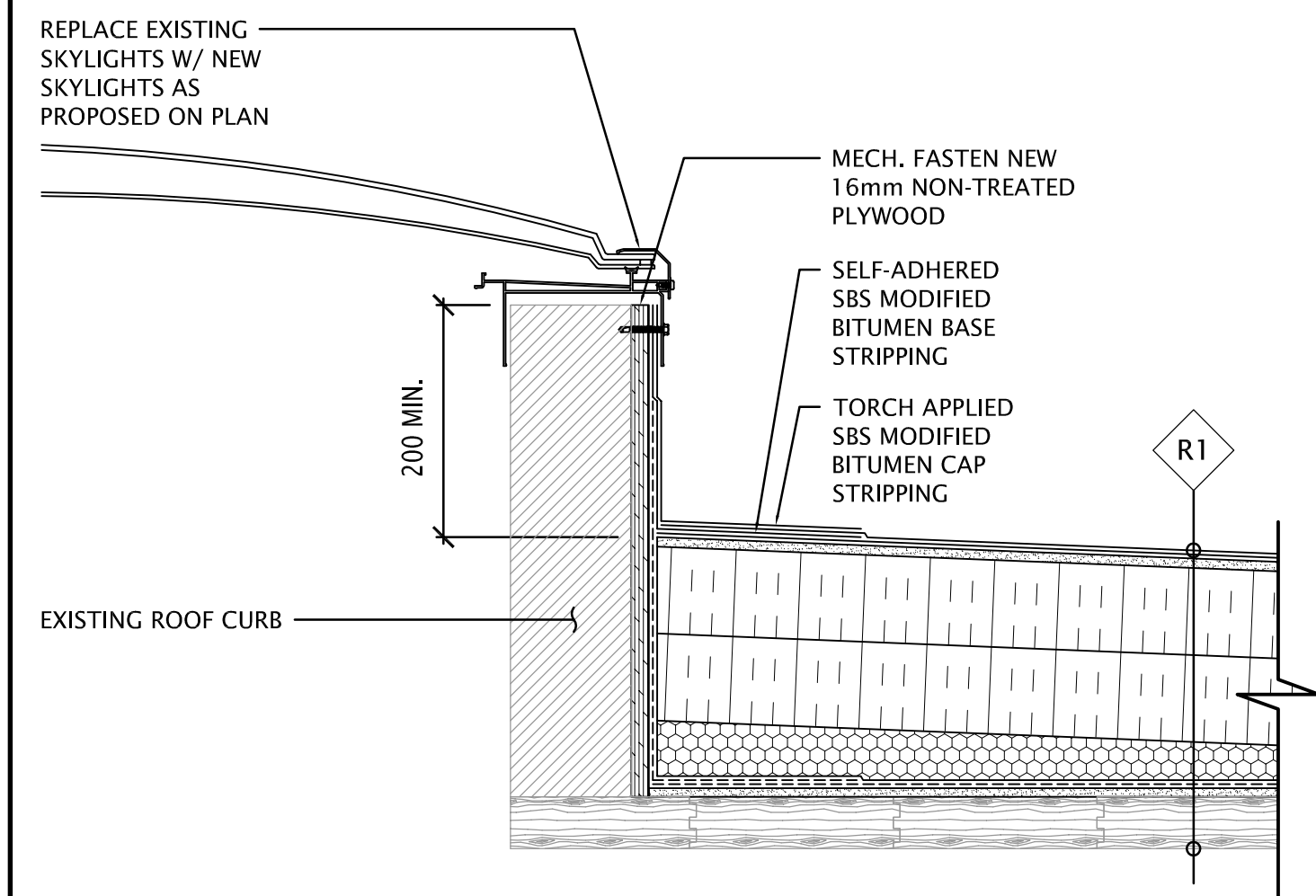
1 SECTION DETAIL @ EXISTING PARAPET
A6.01 SCALE: SCALE: 1:5



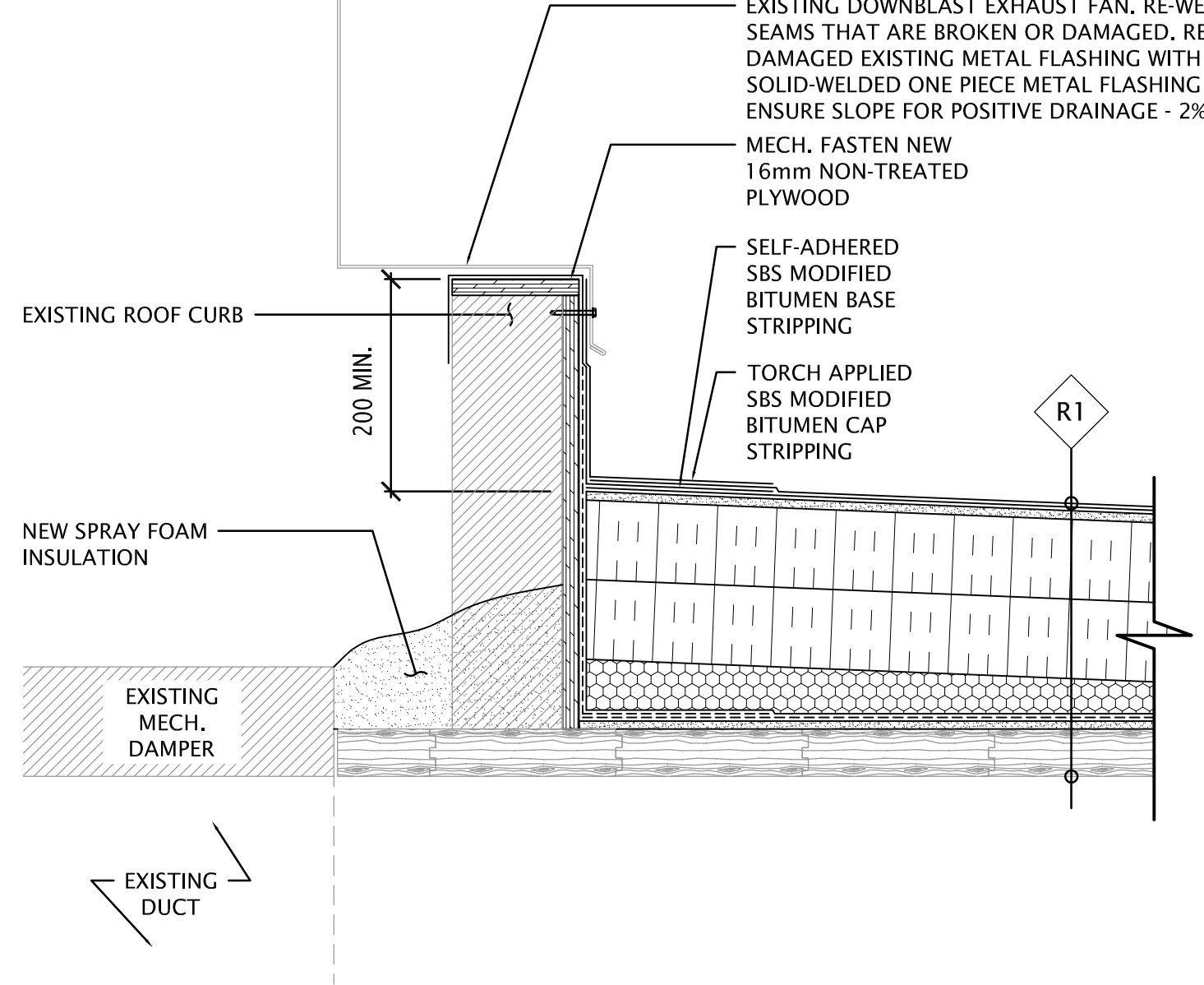
2 SECTION DETAIL @ NEW EMERGENCY SCUPPER IN EXISTING PARAPET
A6.01 SCALE: SCALE: 1:5



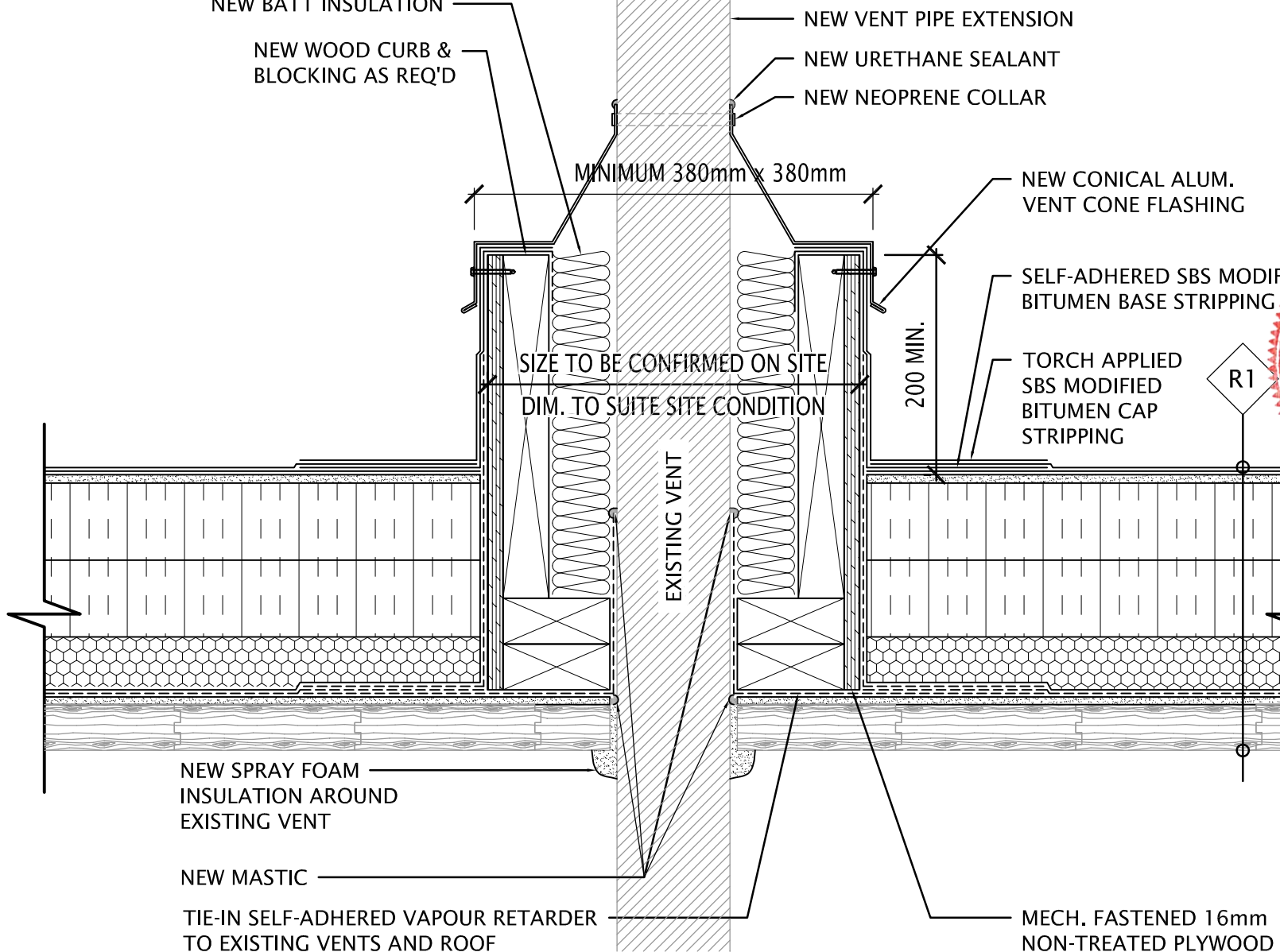
3 SECTION DETAIL @ NEW ROOF DRAIN
A6.01 SCALE: SCALE: 1:5



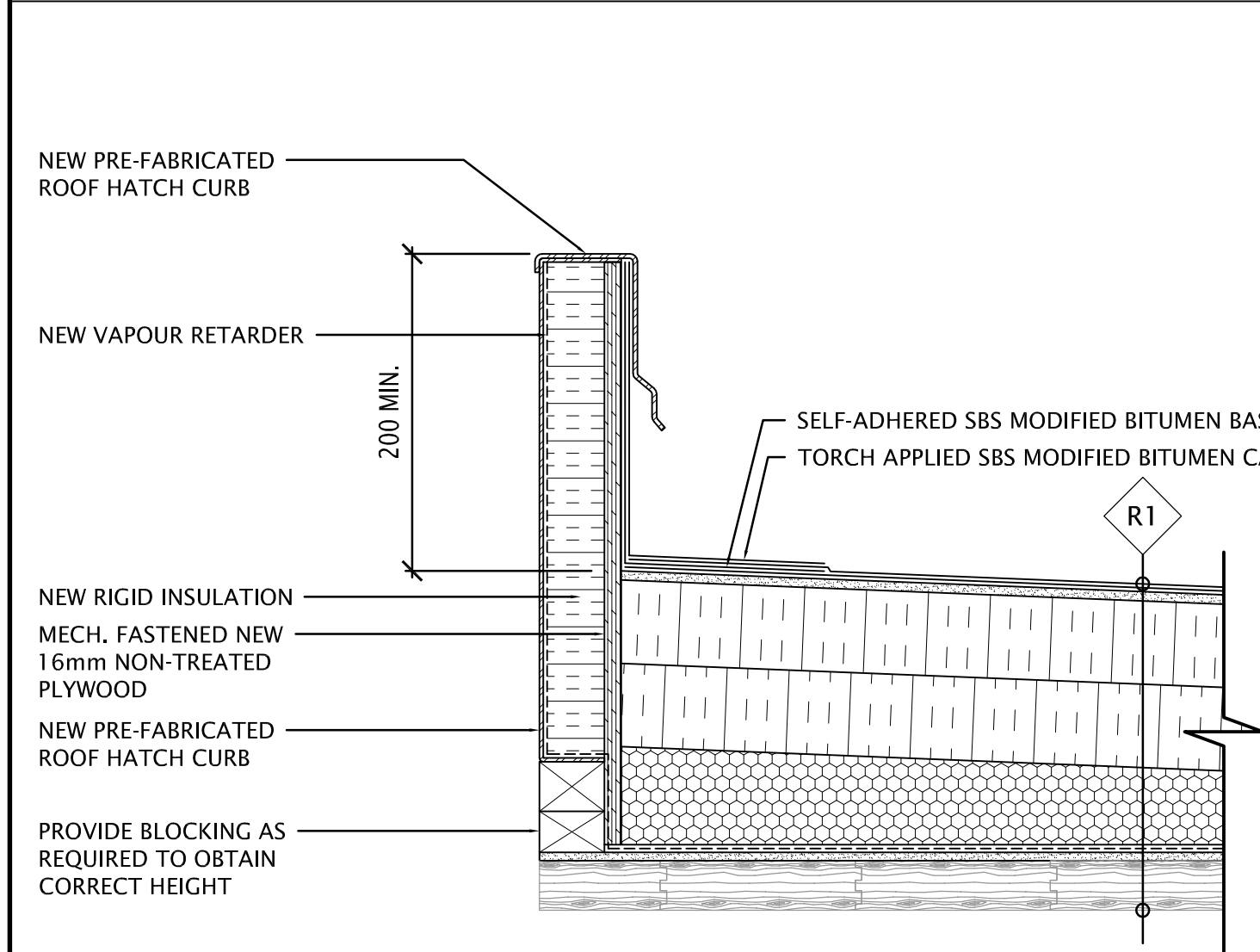
4 SECTION DETAIL @ ROOF SKYLIGHT W/ EXISTING CURB
A6.01 SCALE: SCALE: 1:5



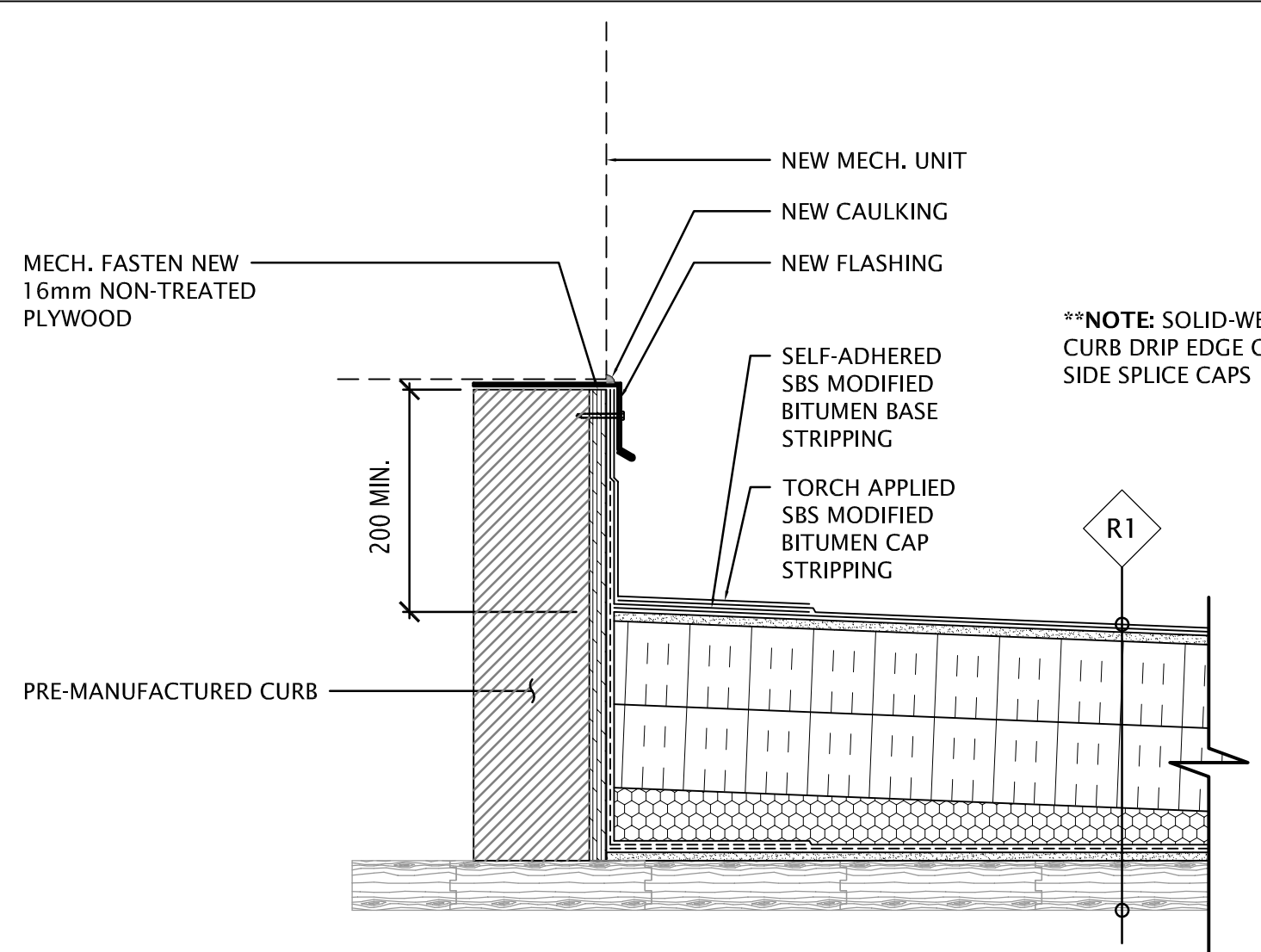
5 SECTION DETAIL @ ROOF DOWNBLAST EXHAUST FANS W/ EXISTING CURB
A6.01 SCALE: SCALE: 1:5



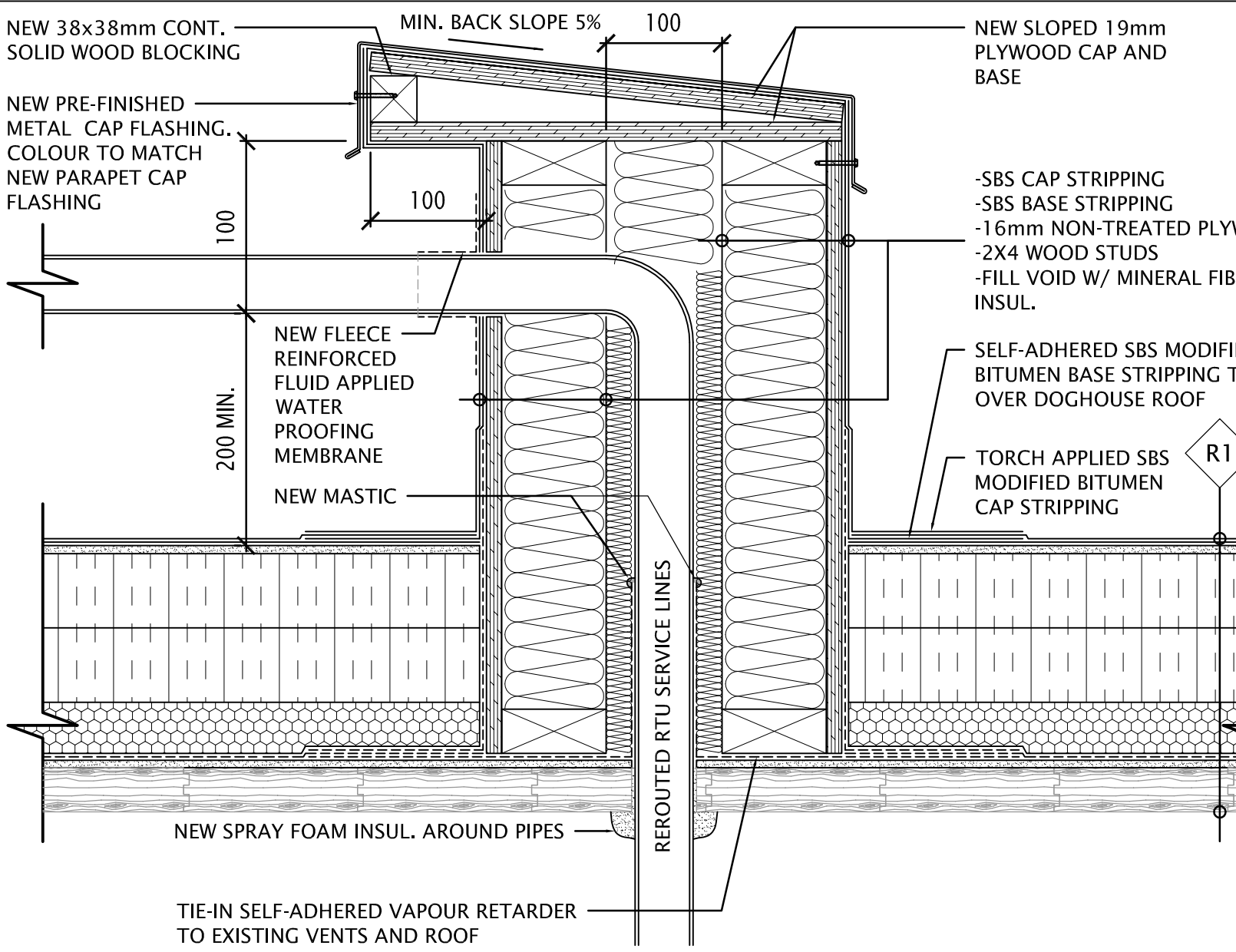
6 SECTION DETAIL @ ROOF PLUMBING VENT PENETRATION W/ NEW CURB
A6.01 SCALE: SCALE: 1:5



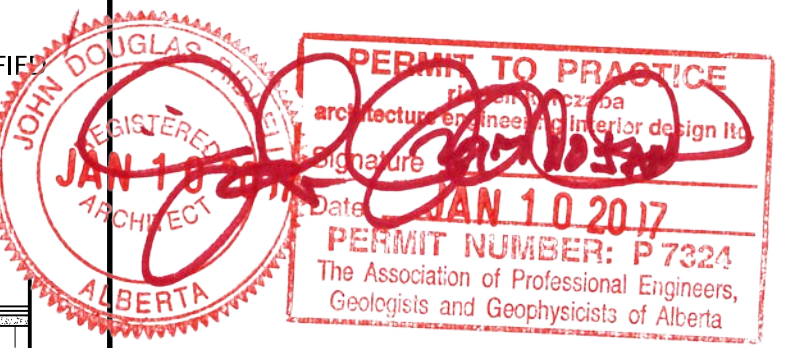
7 SECTION DETAIL @ NEW ROOF HATCH CURB
A6.01 SCALE: SCALE: 1:5



8 SECTION DETAIL @ RTU W/ NEW ROOF CURB
A6.01 SCALE: SCALE: 1:5



9 SECTION DETAIL @ NEW DOGHOUSE
A6.01 SCALE: SCALE: 1:5



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Revision/Revision	Description/Description	Date/Date
4	ISSUED FOR BP TENDER	2017-01-11
3	ISSUED FOR 99% REVIEW	2016-06-13
2	RE-ISSUED FOR 90% REVIEW	2016-05-16
1	ISSUED FOR TENDER	2015-09-16
0	ISSUED FOR 99% REVIEW	2015-09-03

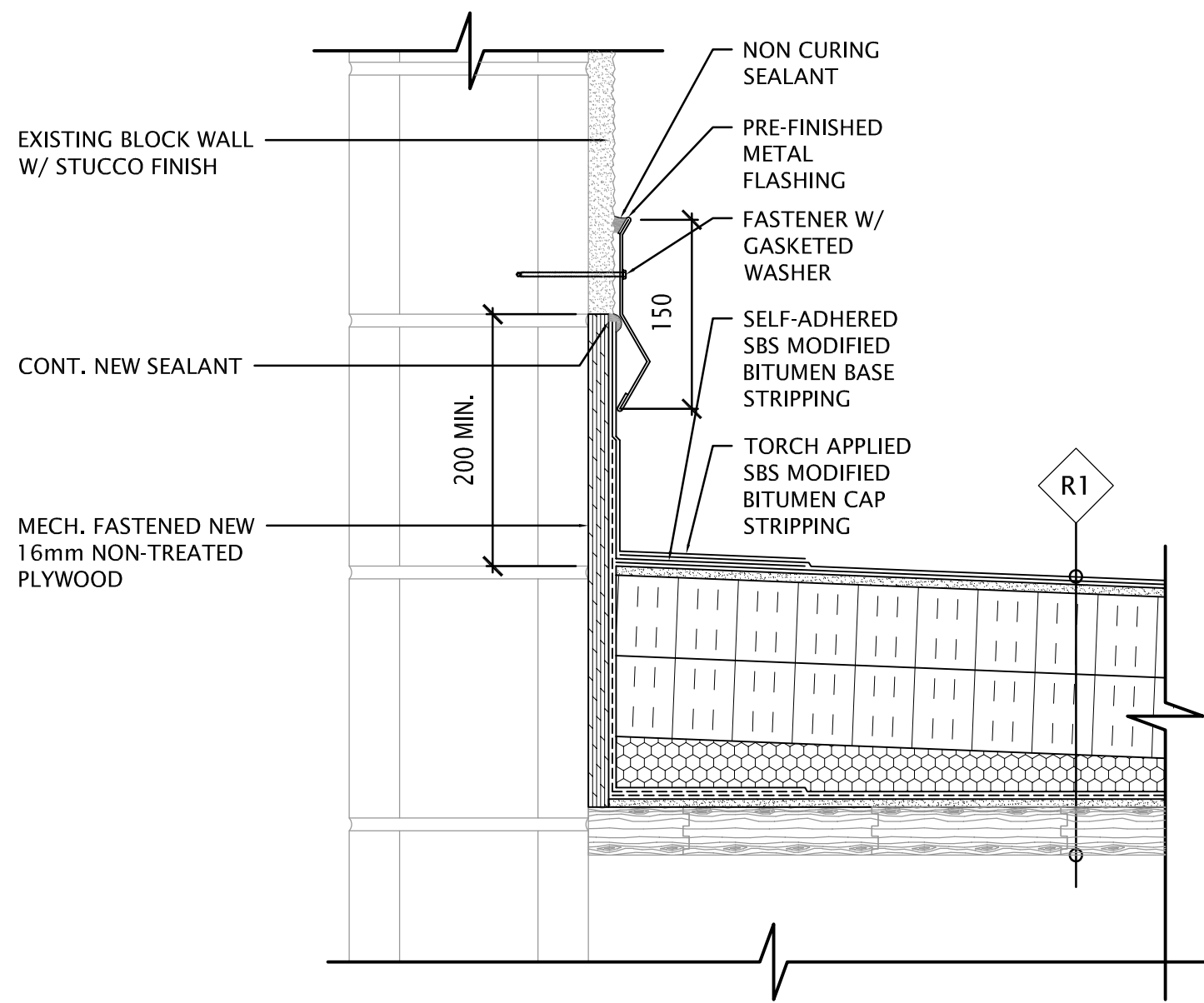
Client/client	
Parks Canada Agency	L'Agence Parcs Canada
Western and Northern Region	Ouest et Nord du Canada

Project title/Titre du projet
**Banff National Park
Banff, Alberta**
**PCA - MAINTENANCE
COMPOUND
REHABILITATION**

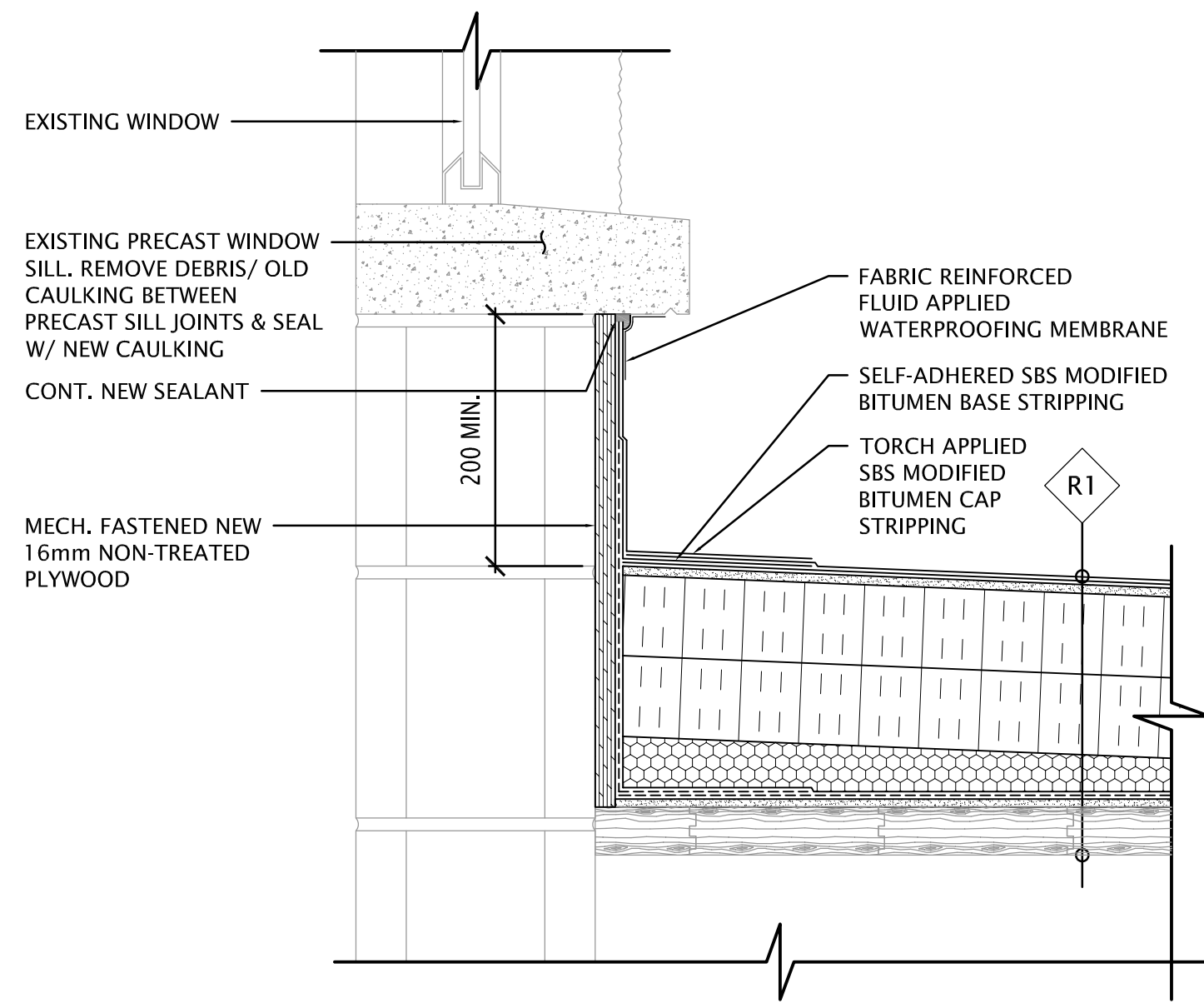
Approved by/Approve par
TL
Designed by/Concept par
TL
Drawn by/Dessine par
TL
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MICHAEL LYZANIWSKI
Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie
Client/client
Parks Canada

Drawing title/Titre du dessin
DETAILS

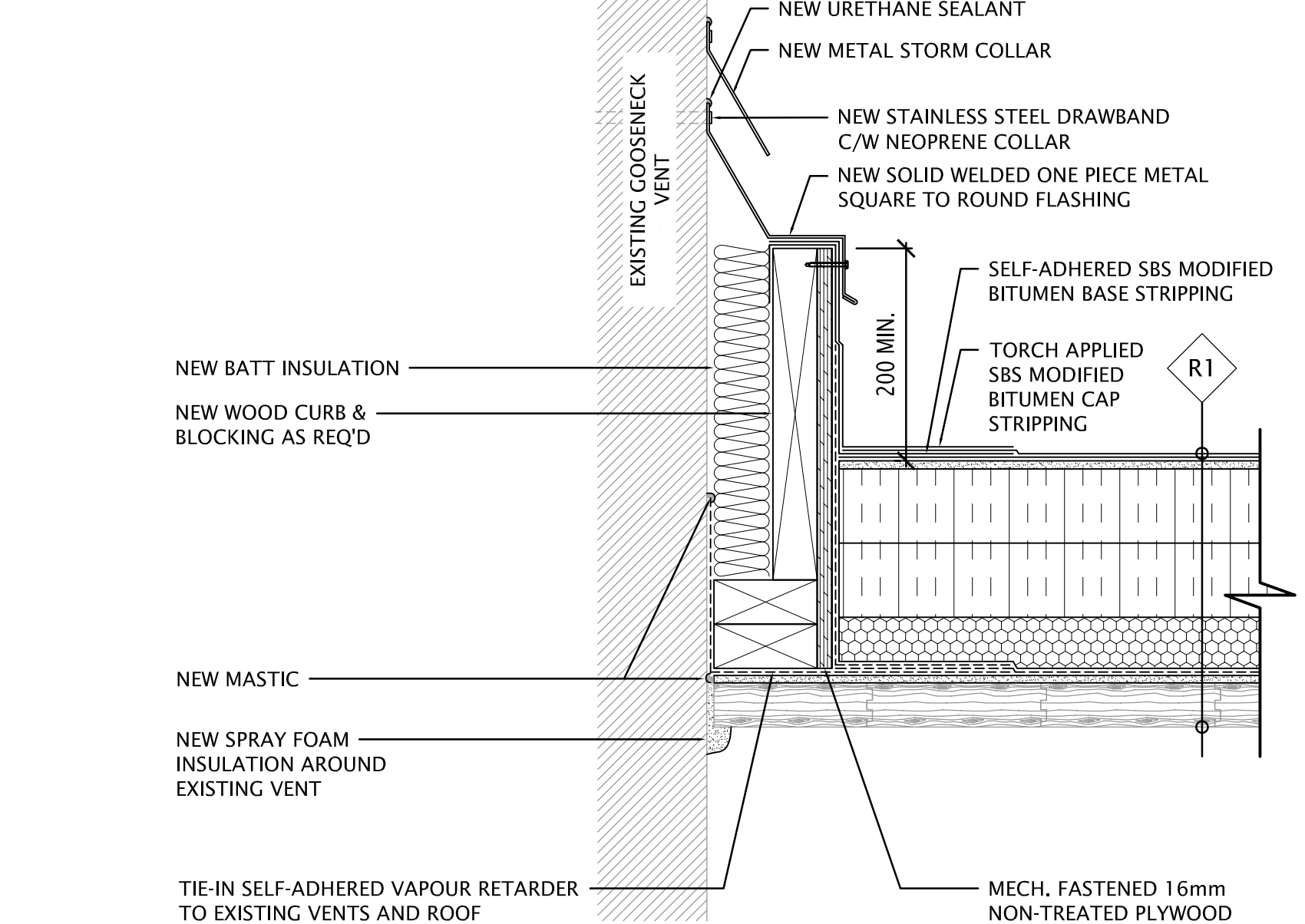
Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.075536.001	A6.01	4



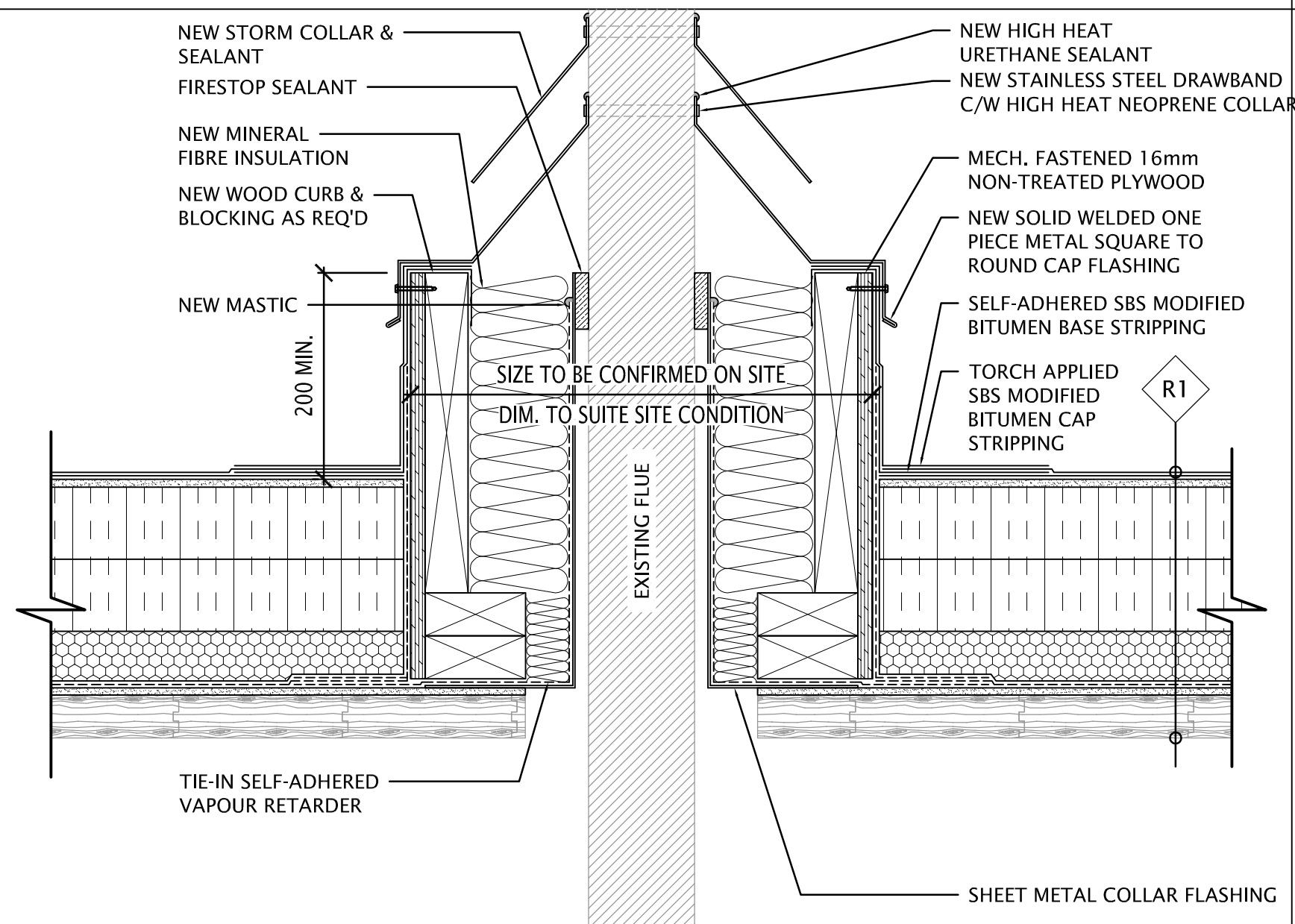
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A6.02 SCALE: SCALE: 1:5



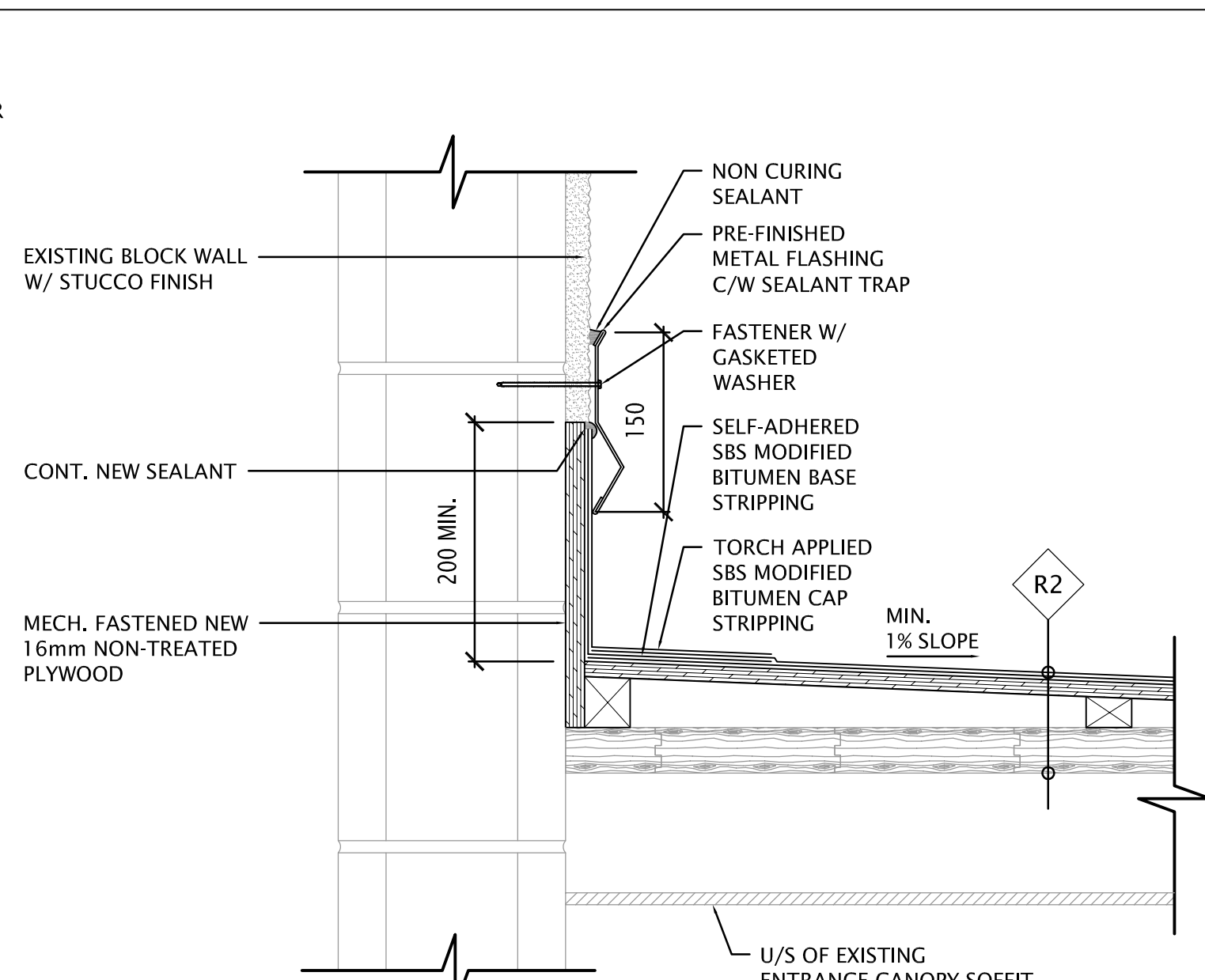
2 SECTION DETAIL @ LOWER MAINT. GARAGE ROOF AND EXISTING WINDOW SILL
A6.02 SCALE: SCALE: 1:5



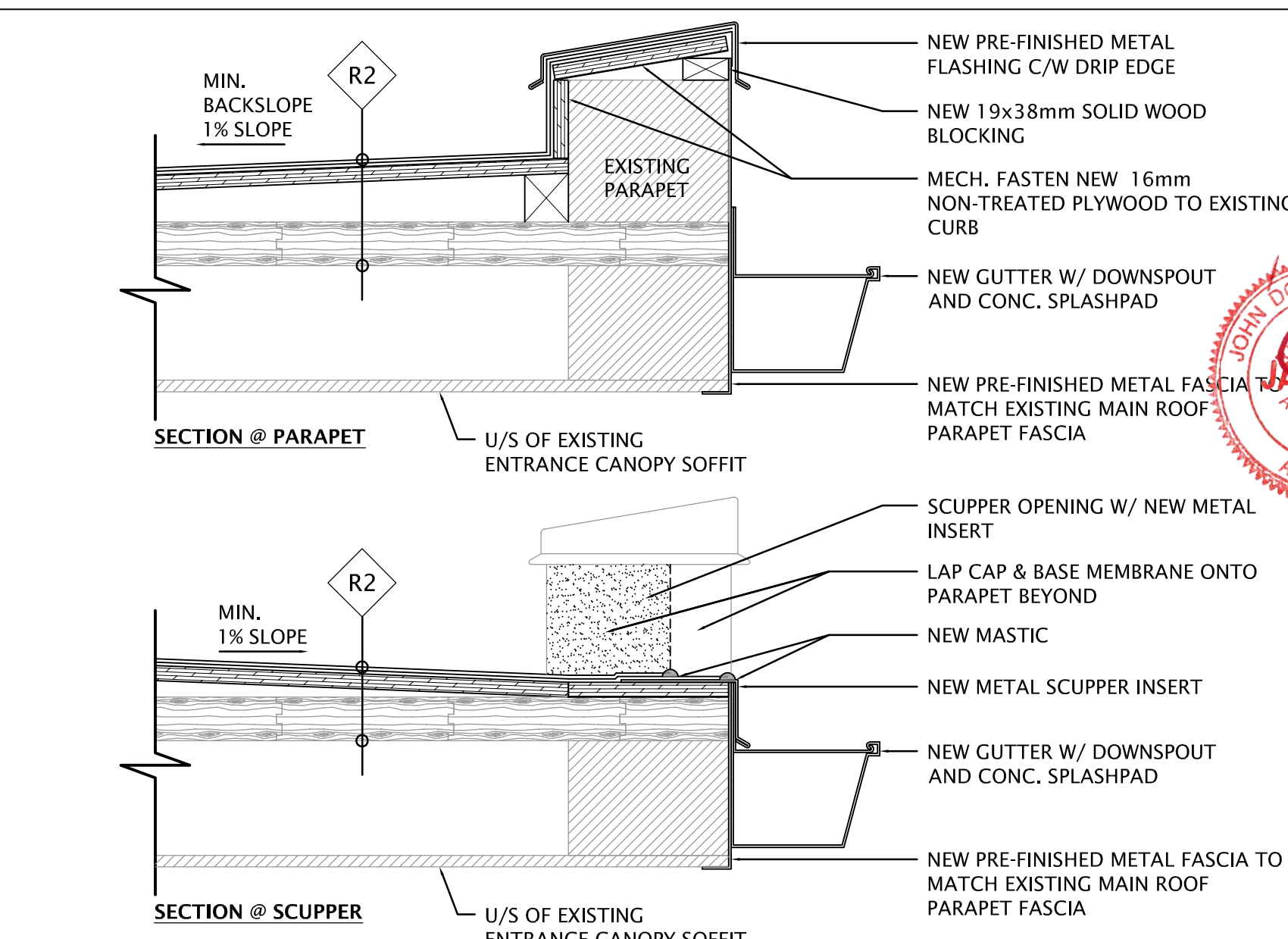
3 SECTION DETAIL @ ROOF GOOSENECK VENT W/ NEW CURB
A6.02 SCALE: SCALE: 1:5



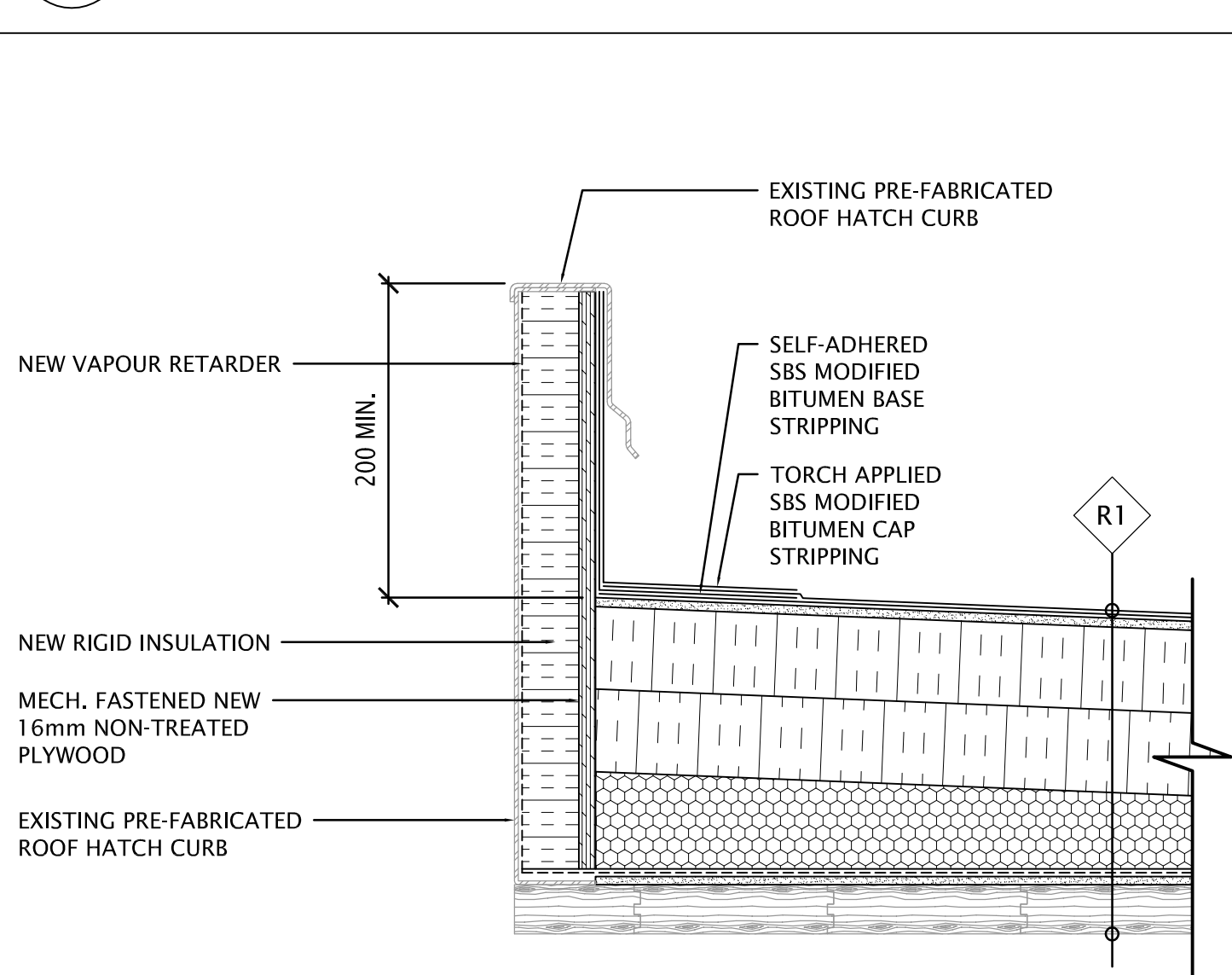
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A6.02 SCALE: SCALE: 1:5



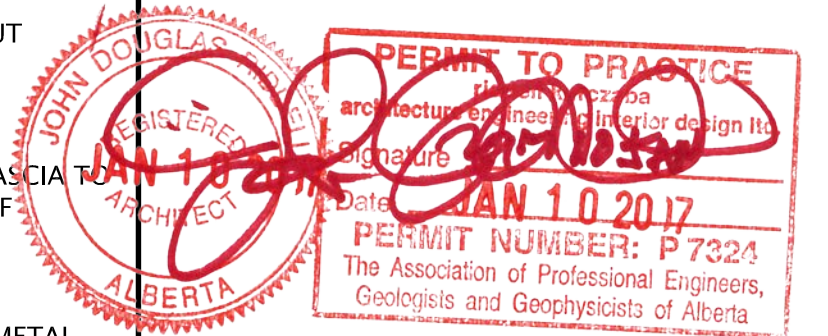
5 SECTION DETAIL @ MAINT. GARAGE ENTRANCE CANOPY
A6.02 SCALE: SCALE: 1:5



6 SECTION DETAIL @ MAINT. GARAGE ENTRANCE CANOPY
A6.02 SCALE: SCALE: 1:5



7 SECTION DETAIL @ EXISTING ROOF HATCH CURB
A6.02 SCALE: SCALE: 1:5



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2	RE-ISSUED FOR 50% REVIEW	2016-05-16
1	ISSUED FOR TENDER	2015-08-16
0	ISSUED FOR 99% REVIEW	2015-08-03

Revision/	Description/Description	Date/Date
Client/client		
Parks Canada Agency	L'Agence Parcs Canada	
Western and Northern Region	Ouest et Nord du Canada	

Project title/Titre du projet
**Banff National Park
Banff, Alberta**
**PCA - MAINTENANCE
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TL
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Architectural and Engineering Resources Manager/
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Client/client
Parks Canada
Drawing title/Titre du dessin
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R.075536.001	A6.02	4