

Plotted: February 05, 2016 - 11:55:38 Filename: G:\Projects\2711\2711_16011_00 Parks - Motherwell Homestead HS\10.0 Drawings\Current\Motherwell_Base_Arch Title.dwg\C1.0 Cover

MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE

ARCHITECTURAL DRAWINGS:

- D1.0 BASEMENT & MAIN FLOOR DEMOLITION PLANS
 - D1.1 BASEMENT & MAIN FLOOR CEILING DEMOLITION PLANS
 - A1.0 BASEMENT & MAIN FLOOR CONSTRUCTION PLANS & DOOR SCHEDULE
 - A1.1 BASEMENT & MAIN FLOOR FLOOR FINISH PLANS & ROOM FINISH SCHEDULE
 - A2.0 BUILDING ELEVATIONS & SECTIONS
 - A3.0 MAIN FLOOR ENLARGED PLANS
 - A4.0 BASEMENT & MAIN FLOOR REFLECTED CEILING PLANS
 - A5.0 BASEMENT WINDOW WALL SECTION, DETAILS & WINDOW SCHEDULE
 - A6.0 MAIN FLOOR INTERIOR ELEVATIONS
 - A6.1 MAIN FLOOR INTERIOR ELEVATIONS

MECHANICAL DRAWINGS:

- M-1 DEMOLITION PLANS
- M-2 NEW KITCHEN VENTILATION AND PLUMBING PLANS
- M-3 SECTIONS
- M-4 EQUIPMENT SCHEDULE, MECH. PERFORMANCE SPECIFICATIONS & DETAILS

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4	JAN.25.16	ISSUED FOR TENDER	DD	KW/GH
3	DEC.15.15	ISSUED FOR CLIENT REVIEW	DD	KW/GH
2	NOV.28.15	ISSUED FOR INTERNAL REVIEW	DD	KW/GH
1	NOV.12.15	ISSUED FOR CLIENT REVIEW	DD	KW/GH

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/Client	
 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région

Consultant's Name Nom de l'expert-conseil	 
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Project title/Titre du projet
MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE
NATIONAL PARK, SK

Drawing title/Titre du dessin

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	DD/NG	Nov 12, 2015
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
GH	KW	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada
ADRIANA BACHESCHI

Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Parcs Canada		Parks Canada Project Manager/Administrateur de Projets Parcs Canada	
Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille	
2015xxx			

Drawing Reference No./No. de référence du dessin	
2711 16011 - 0	

NOT FOR CONSTRUCTION

DEMOLITION KEYNOTES:

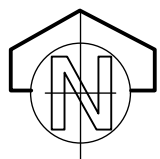
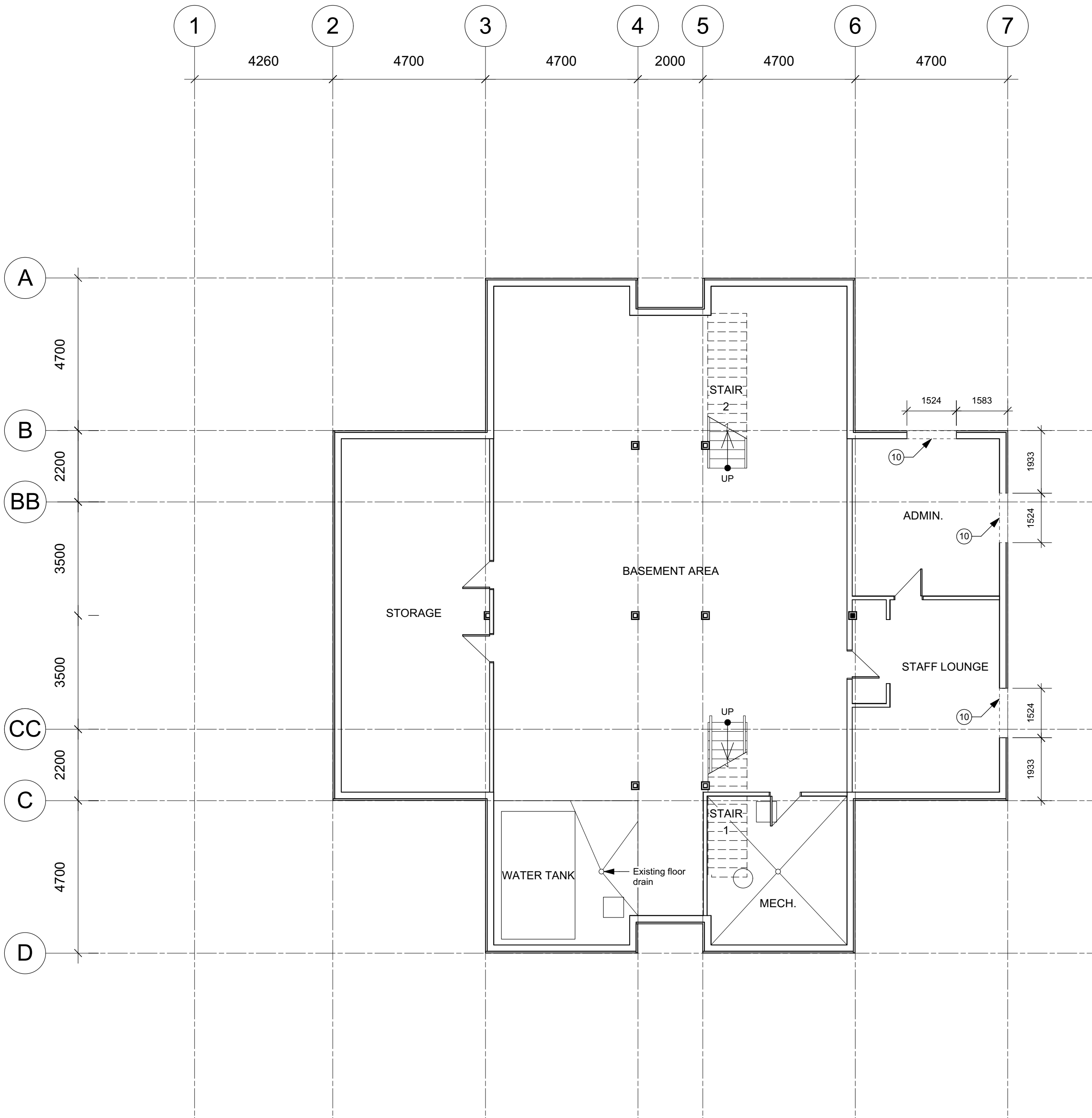
- 1 REMOVE EXISTING PARTITION, PATCH AND MAKE GOOD.
- 2 REMOVE EXISTING PARTITION AS REQUIRED FOR NEW OPENING, PREPARE FOR NEW DOOR AND FRAME.
- 3 REMOVE EXISTING DOOR AND FRAME, SALVAGE DOOR AND HARDWARE FOR REUSE, AS PER DOOR SCHEDULE.
- 4 REMOVE EXISTING DOOR AND FRAME.
- 5 REMOVE EXISTING RESTROOM PARTITIONS, DOORS AND TOILETS, PATCH AND MAKE GOOD. SEE MECHANICAL DEMOLITION NOTES.
- 6 REMOVE EXISTING MILLWORK AND PLUMBING FIXTURES, PATCH AND MAKE GOOD. SEE MECHANICAL DEMOLITION NOTES.
- 7 REMOVE EXISTING URINAL, SALVAGE FOR REUSE.
- 8 REMOVE EXISTING PLUMBING FIXTURES.
- 9 REMOVE EXISTING SUPPLY GRILLES. SEE MECHANICAL DEMOLITION NOTES.
- 10 REMOVE EXISTING BASEMENT WALL AS REQUIRED FOR NEW OPENING, PREPARE FOR NEW WINDOW AND LINTEL.
- 11 REMOVE EXISTING EXTERIOR OPENINGS AND REPLACE WITH NEW AS PER WINDOW SCHEDULE.
- 12 REMOVE EXISTING SLAT WALL COVERING.
- 13 REMOVE EXISTING BATHROOM ACCESSORIES, THIS ROOM. SALVAGE ITEMS FOR REUSE AS PER SALVAGE LIST.

GENERAL DEMOLITION NOTES

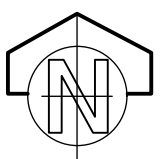
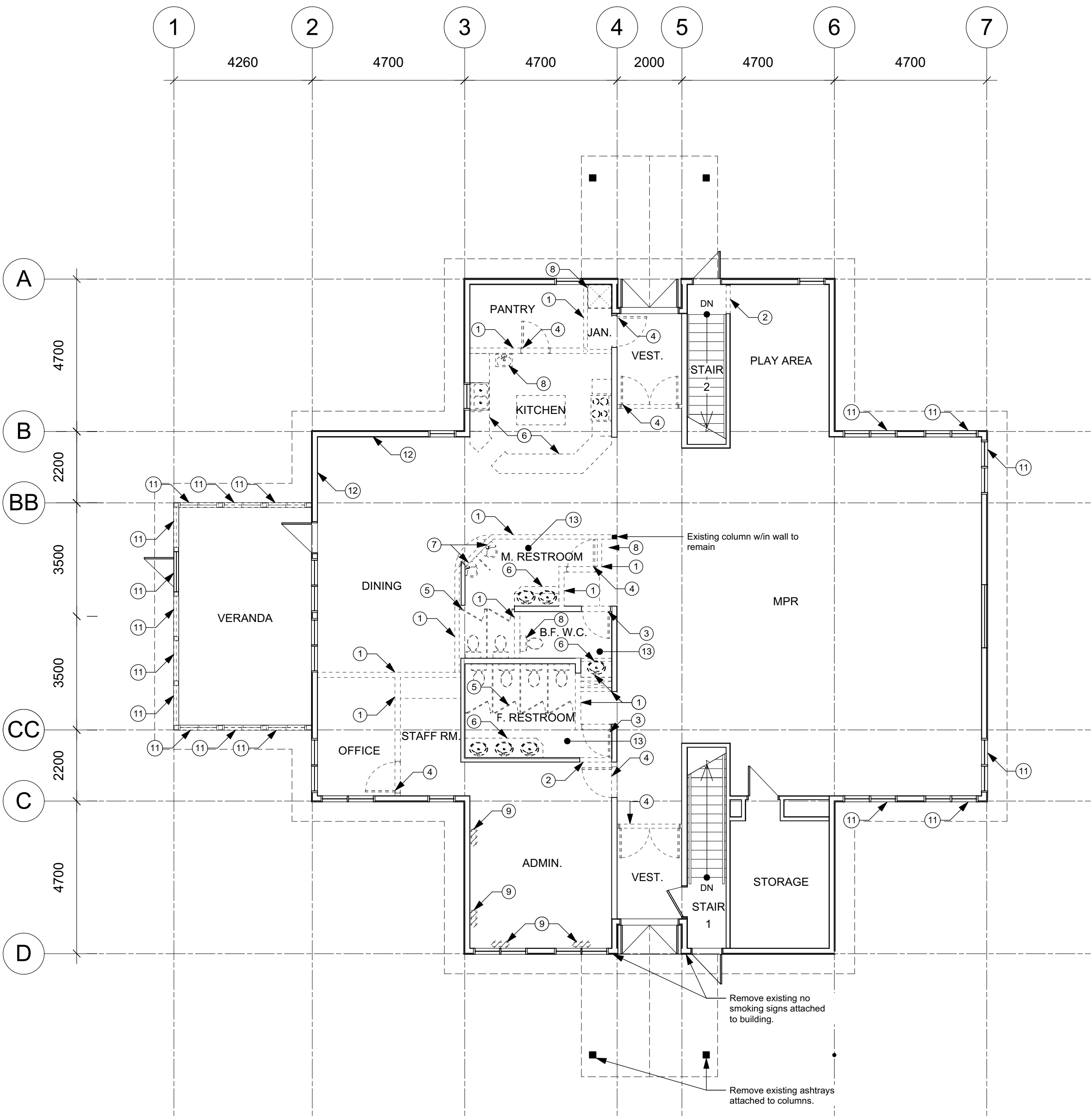
- 1 PROVIDE DEMOLITION WORK SHOWN ON THE DRAWINGS AND RELATED AND INCIDENTAL DEMOLITION WORK REQUIRED TO COMPLETE NEW CONSTRUCTION WORK. ALL MECHANICAL AND ELECTRICAL TO BE REMOVED ARE NOT NECESSARILY SHOWN ON THIS DRAWING.
- 2 REMOVE EXISTING EXTERIOR CLADDING, PREPARE SUBSTRATE FOR NEW CLADDING SYSTEM, REFER TO SPECIFICATION FOR ADDITIONAL SCOPE AND REQUIREMENTS.
- 3 REMOVE EXISTING ROOFING, PREPARE SUBSTRATE FOR NEW ROOFING SYSTEM, REFER TO SPECIFICATION FOR ADDITIONAL SCOPE AND REQUIREMENTS.
- 4 REMOVE EXISTING FLOOR FINISH THROUGH MAIN FLOOR, PREPARE SUBSTRATE FOR NEW FLOOR FINISH, REFER TO FLOOR FINISH PLANS AND SPECIFICATIONS FOR ADDITIONAL SCOPE AND REQUIREMENTS.
- 5 REMOVE ENTIRE WALL ASSEMBLY INDICATED TO BE DEMOLISHED, INCLUDING CONCEALED ELEMENTS WITHIN PARTITION AND ABOVE CEILING CONSTRUCTION.
- 6 FIELD VERIFY EXISTING CONDITIONS, PRIOR TO THE START OF DEMOLITION OPERATIONS. BRING ANY DISCREPANCIES WHICH MAY SIGNIFICANTLY AFFECT DEMOLITION OR NEW CONSTRUCTION WORK TO THE ATTENTION OF THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW.
- 7 PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING DEMOLITION AND/OR NEW CONSTRUCTION OPERATIONS. CONDUCT DEMOLITION OPERATIONS SO AS TO MINIMIZE THE DEVELOPMENT AND SPREAD OF DUST.
- 8 ALL REFUSE, DEBRIS AND MISCELLANEOUS ITEMS TO BE REMOVED, THAT ARE NOT TO BE STOCKPILED FOR LATER USE ON THE PROJECT OR DELIVERED TO THE DEPARTMENTAL REPRESENTATIVE SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR.
- 9 DO NOT ALTER THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING OR ITS ASSEMBLIES UNLESS SPECIFICALLY NOTED OTHERWISE.
- 10 UPON REMOVAL OF FINISH MATERIALS INDICATED OR REQUIRED, PREPARE SUBSTRATE TO RECEIVE NEW FINISH, REFER ALSO TO THE ROOM FINISH SCHEDULE FOR NEW MATERIAL(S). PATCH AND REPAIR ANY EXISTING DAMAGE, OR DAMAGE ARISING FROM DEMOLITION OPERATIONS TO MATCH EXISTING AND AS NEEDED FOR INSTALLATION OF NEW FINISH(S).
- 11 MAINTAIN MEANS OF EGRESS, AND KEEP FULLY SEPARATE FROM CONSTRUCTION AREA, AT ALL TIMES.
- 12 PATCH AND REPAIR OPENINGS IN AND/OR PENETRATIONS THROUGH EXISTING FIRE RATED ASSEMBLIES AND SMOKE BARRIER ASSEMBLIES.

MECHANICAL DEMOLITION NOTES

- 1 AREAS OF THE BUILDING AFFECTED BY MECHANICAL DEMOLITION WORK SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT FINAL FINISHES.
- 2 WHERE EXISTING EQUIPMENT AND DEVICES SHALL BE REMOVED, THE CONTRACTOR SHALL REMOVE ALL THE ASSOCIATED DUCTWORK, PIPING AND CONTROLS THAT SHALL NOT REMAIN IN OPERATION BACK TO THEIR RESPECTIVE SOURCE OR TO THE POINT ON A SHARED SYSTEM FROM WHERE THE EQUIPMENT OR DEVICE IS SERVED.
- 3 EXISTING DUCTWORK AND CONTROLS WIRING MAY BE REUSED WHERE THEY ARE THE TYPE TO MEET THE REQUIREMENTS FOR THE NEW WORK AS DEFINED BY THE CONTRACT DOCUMENTS AND REMAIN IN GOOD CONDITION.
- 4 REMOVE AND RE-INSTALL (OR PROTECT IN PLACE) ALL EXISTING EQUIPMENT AND DEVICES TO REMAIN ON OR IN WALLS, CEILING AND FLOORS WHICH SHALL BE EXPOSED TO DEMOLITION AND CONSTRUCTION ACTIVITIES AND WHICH MAY BE DAMAGED BY DUST, DEBRIS ETC.
- 5 RELOCATE AS NECESSARY ALL EXISTING DUCTWORK, PIPING AND CONTROLS FOUND PASSING THROUGH THE AREA OF CONSTRUCTION, AND WHICH ARE PRESENTLY IN USE IN OTHER PORTIONS OF THE BUILDING UNAFFECTED BY THIS PROJECT PHASE, TO MAINTAIN THE CONTINUITY OF SERVICE AND GROUNDING, AND TO CONCEAL THEM.
- 6 REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS ON KITCHEN AREA RENOVATION.



BASEMENT
 DEMOLITION PLAN
 1
 D1.0 1:100



MAIN FLOOR
 DEMOLITION PLAN
 2
 D1.0 1:100

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
4	JAN.25.16	Issued for Tender	AB	DS
3	DEC.15.15	Issued for Client Review	AB	DS
2	NOV.11.15	Issued for Client Review	AB	DS
1	NOV.08.15	Issued for Review	AB	DS

Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/client	<div> <div> Parks Canada Agency Western and Northern Region </div> </div> <div> <div>L'Agence Parcs Canada Ouest et Nord Région</div> </div>
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Consultant's Name Nom de l'expert-conseil	<div> </div> <div> </div>
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Project title/Titre du projet	<div>MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE</div> <div>NATIONAL PARK, SK</div>
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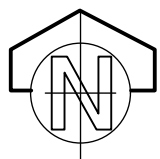
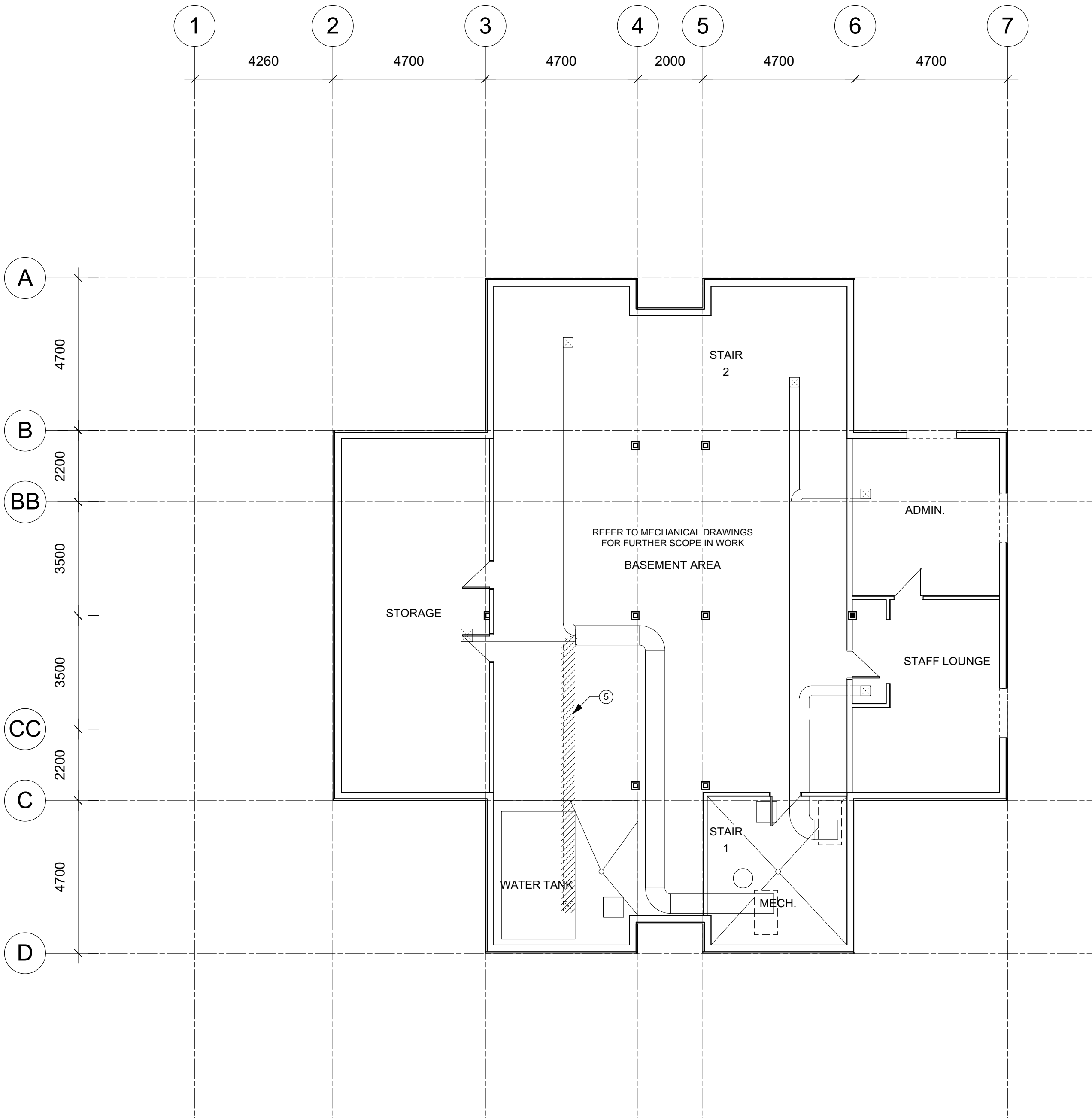
Drawing title/Titre du dessin	<div>BASEMENT & MAIN FLOOR DEMOLITION PLANS</div>
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Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	AB	JAN.22.2015
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
DS	DS	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada		
Adriana Bacheschi		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable		Parks Canada Project Manager/Administrateur de Projets
Project No./No. du projet	Asset No./No. du bien	Sheet No./No. de la feuille
Drawing Reference No./No. de référence du dessin		D1.0
2711 16011 - 0		

DEMOLITION KEYNOTES:

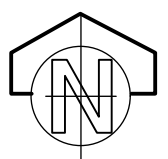
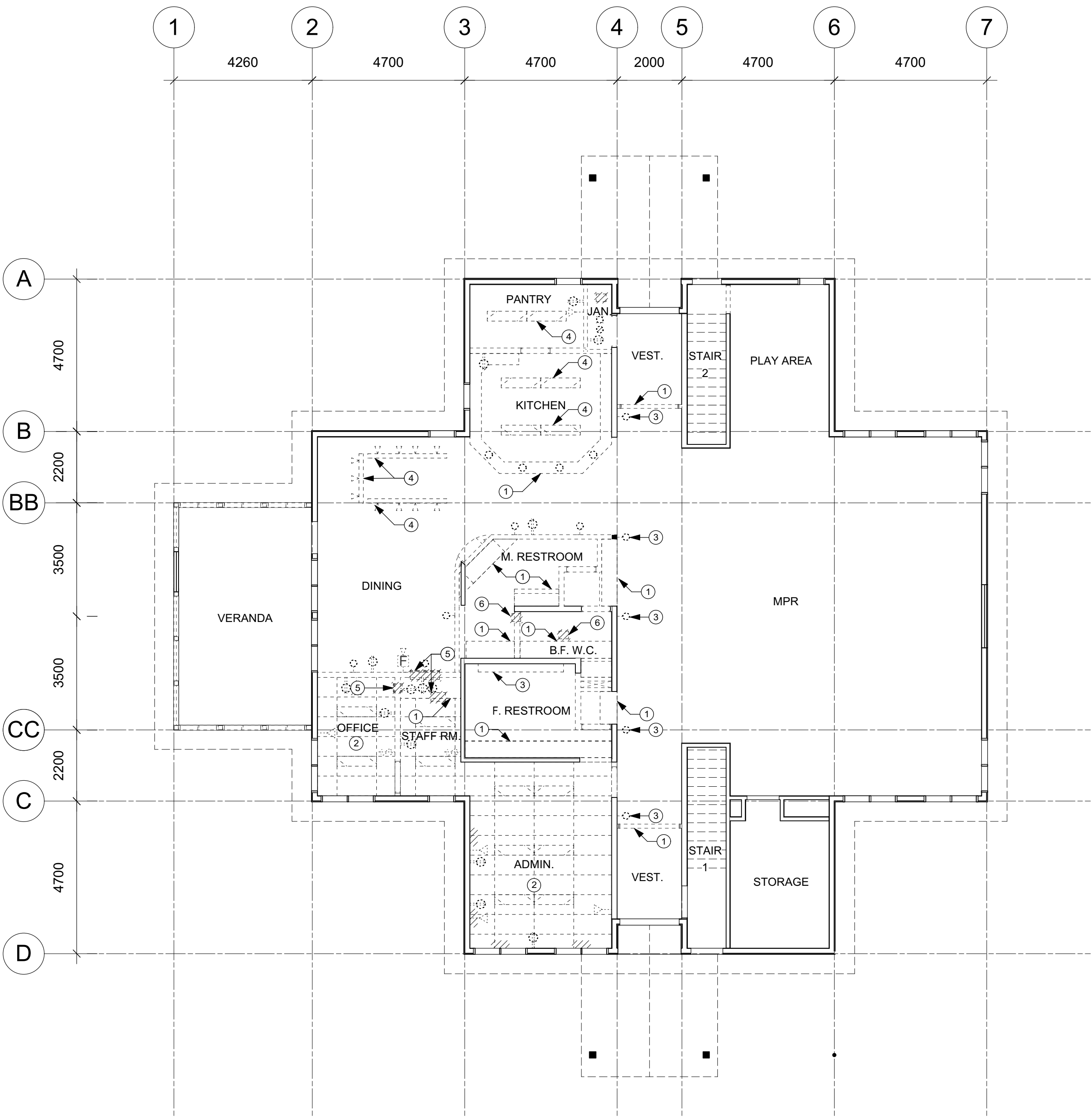
- 1 REMOVE EXISTING BULKHEAD AND RELATED ELECTRICAL AND MECHANICAL. PREPARE FOR NEW CEILING AS PER RCP.
- 2 REMOVE EXISTING ACOUSTIC CEILING TILE AND RELATED ELECTRICAL AND MECHANICAL. PREPARE FOR NEW CEILING.
- 3 REMOVE EXISTING ELECTRICAL ITEM. SEE ELECTRICAL DEMOLITION NOTES.
- 4 REMOVE AND SALVAGE EXISTING ELECTRICAL FIXTURE FOR REUSE, AS PER RCPs, SEE ELECTRICAL DEMOLITION NOTES.
- 5 REMOVE EXISTING MECHANICAL ITEM AND RELATED WORK. SEE MECHANICAL DEMOLITION NOTES.
- 6 RELOCATE EXISTING MECHANICAL EXHAUST FAN. SEE MECHANICAL DEMOLITION NOTES.



1
D1.1
BASEMENT CEILING
DEMOLITION PLAN
1:100

ELECTRICAL DEMOLITION NOTES

1. ALL EXISTING ELECTRICAL OUTLETS, CONDUITS, WIRING ETC. REQUIRED TO BE REMOVED ARE NOT NECESSARILY SHOWN ON THIS DRAWING.
2. ELECTRICAL CONTRACTOR SHALL REMOVE ALL UNNECESSARY EXISTING ELECTRICAL OUTLETS, WIRING CONDUIT ETC. IN PORTIONS OF EXISTING BUILDING WHICH ARE BEING ALTERED AND REMODELLED.
3. ANY ELECTRICAL OUTLETS, WIRING ETC. ADJACENT TO THE AREA BEING RENOVATED WHICH ARE NECESSARY FOR THE OPERATION OF THE EXISTING BUILDING SHALL BE RELOCATED AS REQUIRED AND RECONNECTED TO SUIT.
4. CONTRACTOR TO PATCH, REPAIR AND PAINT EXISTING WALLS WHERE EXISTING ELECTRICAL DEVICES HAVE BEEN REMOVED (INSTALLATION OF BLANK COVERLETS OVER ABANDONED OUTLETS IS NOT ACCEPTABLE, UNLESS NOTED OTHERWISE).
5. FOR ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, ETC. THAT ARE TO BE REMOVED, REMOVE EXISTING CONDUIT, WIRING ETC. BACK TO SOURCE.
6. DISCONNECT AND REMOVE ALL ABANDONED ELECTRICAL (INCLUDING HANGERS, SUPPORTS CONDUITS, ETC.) IN CEILING SPACE BACK TO SOURCE, ALL EXISTING ELECTRICAL IN CEILING SPACE THAT IS EXISTING TO REMAIN SHALL BE SUPPORTED. PROVIDE NEW HANGERS, SUPPORTS, CLIPS, ETC. AS REQUIRED.



2
D1.1
MAIN FLOOR CEILING
DEMOLITION PLAN
1:100

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1	NOV.08.15	Issued for Review	AB	DS

Revision / Revision

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

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

Consultant's Name
Nom de l'expert-conseil



Project title/Titre du projet
**MOTHERWELL HOMESTEAD
NATIONAL HISTORIC SITE**

NATIONAL PARK, SK

Drawing title/Titre du dessin
**BASEMENT & MAIN FLOOR
CEILING DEMOLITION
PLANS**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par AB	Date/Date JAN.22.2015
Designed by/Concept par DS	Reviewed by/Revisé par DS	Scale/Échelle AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada Adriana Bacheschi		
Client Acceptance/Acceptation du client Parks Canada		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parks Canada		Parks Canada Project Manager/Administrateur de Projets Parks Canada
Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16011 - 0		D1.1

DOOR AND HARDWARE SCHEDULE

DOOR #	SIZE	TYPE	MAT.	FIN.	FRAME TYPE	MAT.	FIN.	FRAME DETAIL	FIRE RATING	HARDWARE GROUP	REMARKS
D105	813 x 2134 x 45	3	HM	PT	1	PST	PT	1	45 MIN.	6	Hold open device connected to Fire Alarm system
D107	914 x 2134 x 45	2	HM	PT	1	PST	PT	1		1	
D108	914 x 2134 x 45	2	HM	PT	1	PST	PT	1		2	
D109	1219 x 2045 x 38	1	PW	ST	2	WD	ST	2		7	See Gift Shop plan detail 4/A3.0
D112	914 x 2134 x 45	1	EX	PT	1	PST	PT	1		EX	Salvage door and frame from existing B.F. Restroom
D114	914 x 2134 x 45	1	HM	PT	1	PST	PT	1		3	
D115	782 x 2134 x 45	1	HM	PT	1	PST	PT	1	45 MIN.	5	
D116	914 x 2134 x 45	1	HM	PT	1	PST	PT	1		4	
D117	914 x 2134 x 45	1	EX	PT	1	PST	PT	1		EX	Salvage door and hardware from ex. F. Restroom.

ABBREVIATIONS

HM

HOLLOW METAL

PST

PRESSED STEEL FRAME

PT

PAINTED

PW

BIRCH PLYWOOD

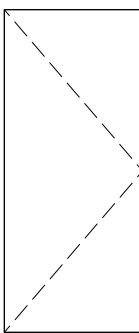
ST

STAIN (CLEAR)

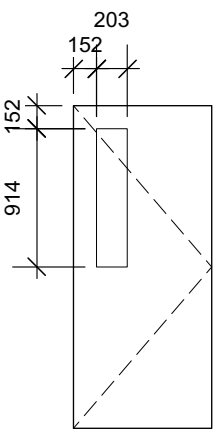
WD

CEDAR FRAME

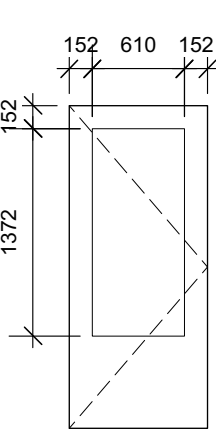
DOOR TYPES



1 FLUSH PANEL
SINGLE SWING DOOR
FIRE RATED AS NOTED



2 SINGLE SWING C/W LITE
6mm TEMPERED GLASS



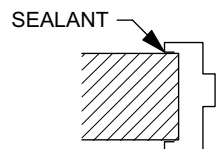
3 PARTIAL GLAZED
SINGLE SWING DOOR C/W
6mm WIRED GLASS LITE
45 MIN. FIRE RATED

FRAME TYPES



1

FRAME DETAILS



1

WALL SCHEDULE:

- P1

TYPICAL 38x140 PARTITION

13 GWB

38x140 WD. STUDS @ 400 O.C.

13 GWB
- P2

TYPICAL 38x89 PARTITION

13 GWB

38x89 WD. STUDS @ 400 O.C.

SOUND BATT INSULATION

13 GWB
- P3

1 HR 140mm FIRE RESISTANCE RATED

16 TYPE-'X' GWB

38x89 WD. STUDS @ 400 O.C.

16 TYPE-'X' GWB
- P4

1 HR 89mm FIRE RESISTANCE RATED

16 TYPE-'X' GWB

38x89 WD. STUDS @ 400 O.C.

16 TYPE-'X' GWB
- P5

GIFT SHOP GLAZED PARTITION

CEDAR FRAME DIMENSIONAL LUMBER

C/W 25 x 25 CEDAR STOPS EACH SIDE

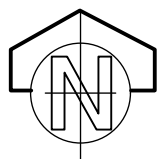
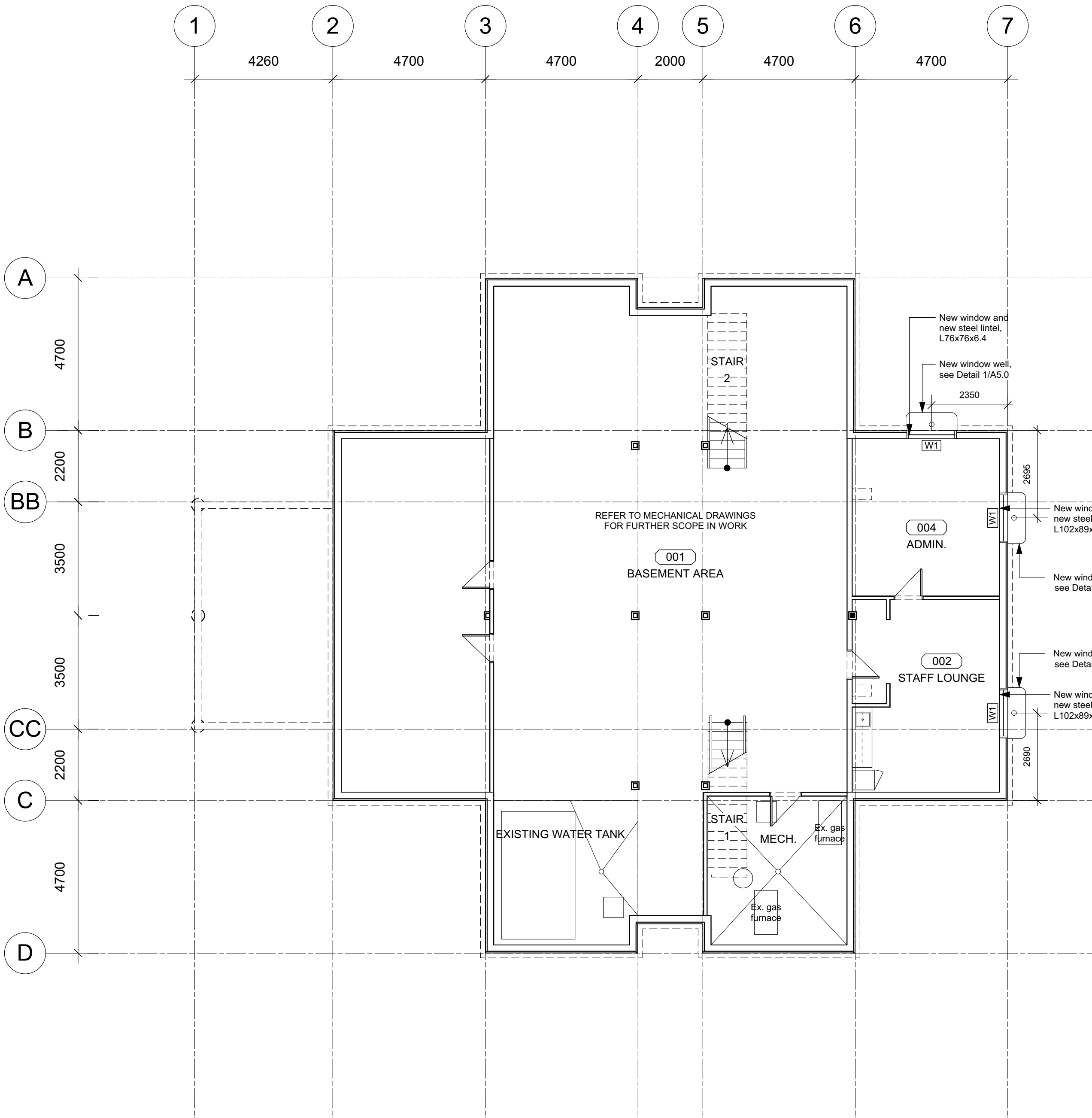
6 mm TEMPERED GLASS OR

19mm BIRCH PLYWOOD AS NOTED.

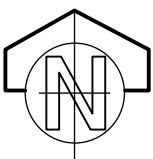
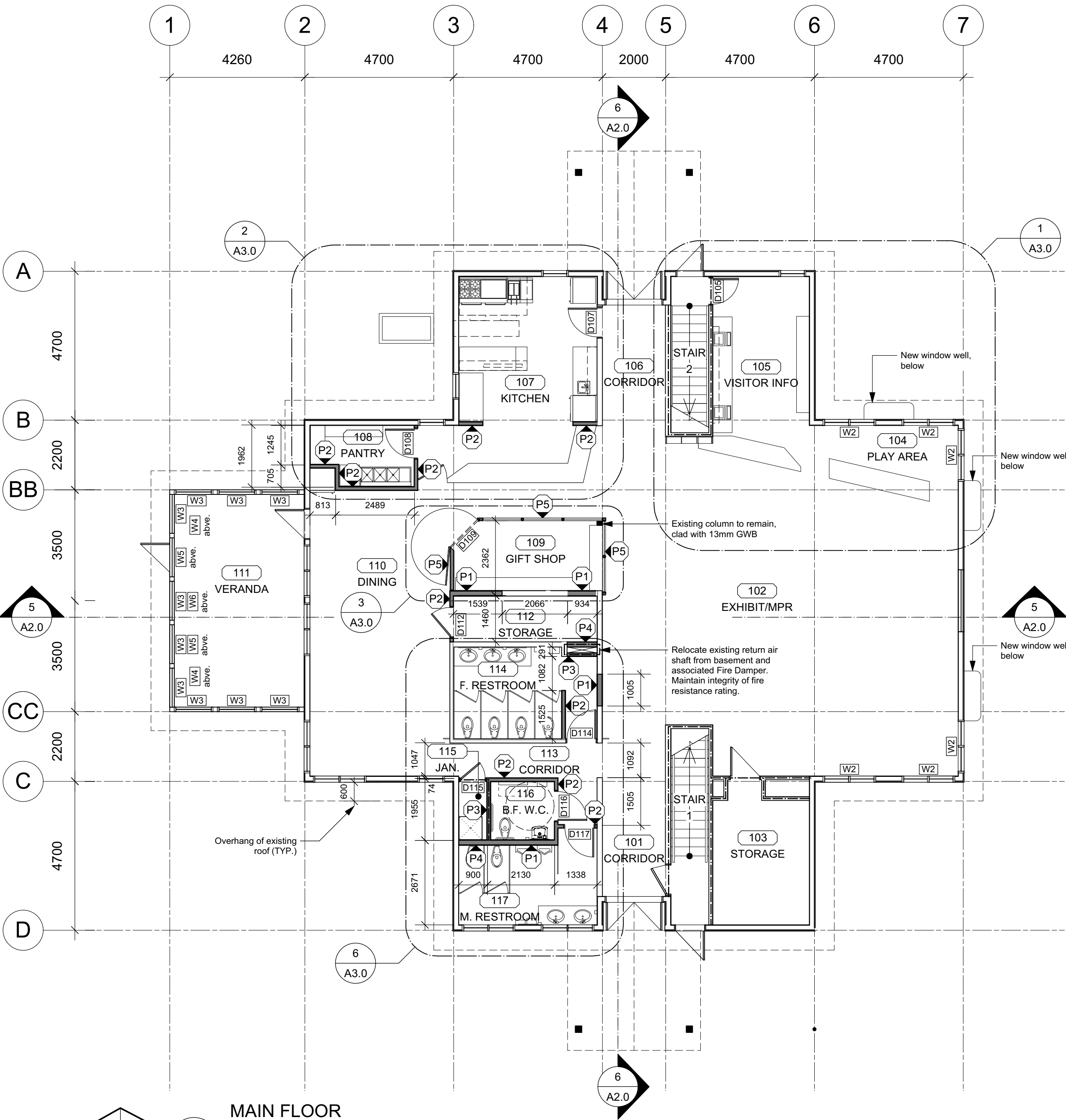
LEGEND:

- NEW PARTITION
- EXISTING PARTITION TO REMAIN
- 1 HR FIRE RATED WALL
- NEW OR SALVAGED DOOR,
AS PER DOOR SCHEDULE
- EXISTING DOOR TO REMAIN

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1
 A1.0
 1:100
 BASEMENT FLOOR
 CONSTRUCTION PLAN

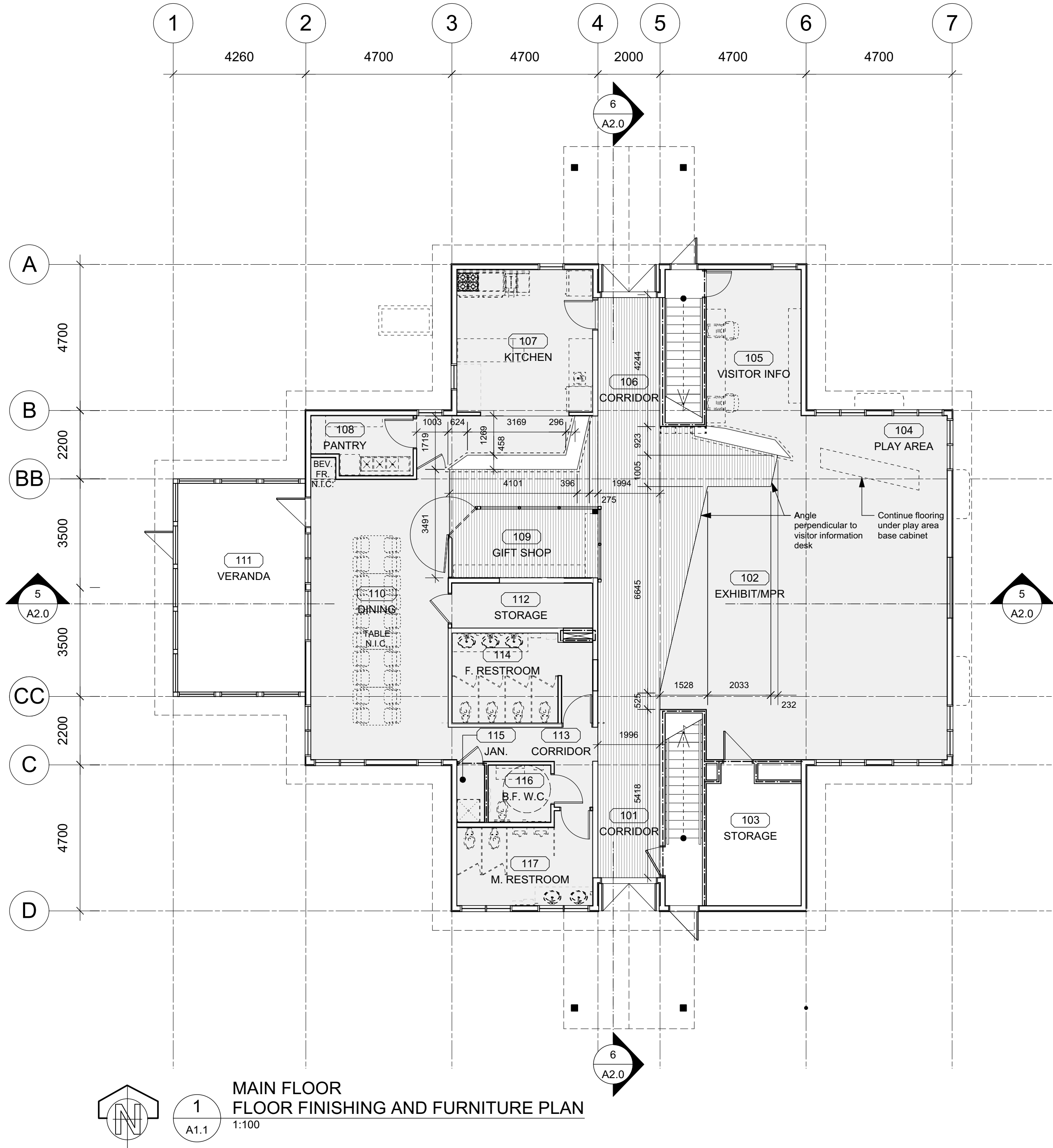


2
 A1.0
 1:100
 MAIN FLOOR
 CONSTRUCTION PLAN

4	JAN.25.16	Issued for Tender	AB	DS				
3	DEC.15.15	Issued for Client Review	AB	DS				
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Revision / Revision								
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur					
Client/client								
 Parks Canada Agency Western and Northern Region		L'Agence Parcs Canada Ouest et Nord Région						
Consultant's Name Nom de l'expert-conseil		UNIT7 ARCHITECTURE INC.						
								
Project title/Titre du projet								
MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE								
NATIONAL PARK, SK								
Drawing title/Titre du dessin								
BASEMENT & MAIN FLOOR CONSTRUCTION PLANS & DOOR SCHEDULE								
Surveyed by/Arpenté par N/A		Drawn by/Dessiné par AB		Date/Date JAN.22.2015				
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Drawing Reference No./No. de référence du dessin				A1.0				
2711 16011 - 0								

ROOM FINISH SCHEDULE

ROOM		FLOOR			WALLS								CEILING				REMARKS
NO.	NAME	MAT.	FIN.	BASE	NORTH		EAST		SOUTH		WEST		MAT.	FIN.	HEIGHT	SEE NOTES	
101	CORRIDOR	EX-C	LVT	R			EX-G	PT	EX-G	PT	EX-G	PT	EX-G/PW	PT/ST	VARIES		
102	EXHIBIT/MPR	EX-C	RSF	R	EX-G	PT	EX-G	PT	EX-G	PT	EX/GWB/GL	PT	EX-G	PT	VARIES		
104	PLAY AREA	EX-C	RSF	R	EX-G	PT	EX-G	PT					EX-G	PT	VARIES		
105	VISITOR INFO	EX-C	RSF	R	EX-G	PT	EX-G	PT			EX-G	PT	EX-G	PT	VARIES		
106	CORRIDOR	EX-C	LVT	R	EX-G	PT	EX-G	PT			EX-G	PT	EX-G/PW	PT/ST	VARIES		
107	KITCHEN	EX-C	RSF	CB	EX-G	PT	EX-G	PT	GWB	PT	EX-G/GB	PT	GWB/PW	PT	2700/2400		
108	PANTRY	EX-C	RSF	CB	EX-G	PT	GWB	PT	GWB	PT	GWB	PT	EX-G	PT	2700		
109	GIFT SHOP	EX-C	LVT	R	CD/GL	ST	CD/GL	ST	EX-G/GWB	PT	CD/PW	ST	GWB	PT	2400		
110	DINING	EX-C	RSF	R	GWB	PT	EX-G/GWB/CD	PT/ST	EX-G	PT	EX-G	PT	EX-G/GWB	PT	2700		
111	VERANDA	EX-C	EX	EX	EX	ST	EX	ST	EX	ST	EX	ST	EXPOSED		VARIES		
112	STORAGE	EX-C	RSF	R	EX-G/GWB	PT	GWB	PT	GWB/EX-G	PT	GWB	PT	GWB	PT	2700		
113	CORRIDOR	EX-C	RSF	R	EX-G	PT			GWB	PT			GWB	PT	2700		
114	F. RESTROOM	EX-C	RSF	R	GWB-W	PT	GWB-W	PT	GWB-W	PT	GWB-W	PT	GWB-W	PT	2700		
115	JANITOR	EX-C	RSF	R	GWB-W	PT	GWB-W	PT	GWB-W	PT	EX-G	PT	GWB-W	PT	2700		
116	B.F. W.C.	EX-C	RSF	R	GWB-W	PT	GWB-W	PT	GWB-W	PT	GWB-W	PT	GWB-W	PT	2700		
116	M. RESTROOM	EX-C	RSF	R	GWB-W	PT	GWB-W	PT	GWB-W	PT	EX-G	PT	GWB-W	PT	2700		
ABBREVIATIONS																	
CD	CEDAR				GL	GLAZING		PT	PAINT								
CB	SELF-COVE BASE				GWB	GYPSUM WALL BOARD		PW	PLYWOOD								
EX-C	EXISTING CONCRETE (SLAB OR TOPPING)				GWB-W	MOISTURE RESISTANT GWB		R	RUBBER BASE								
EX-G	EXISTING GYPSUM WALL BOARD				LVT	LUXURY VINYL FLOORING		RSF	RESILIENT SHEET FLOORING								
EX	EXISTING							ST	STAIN								

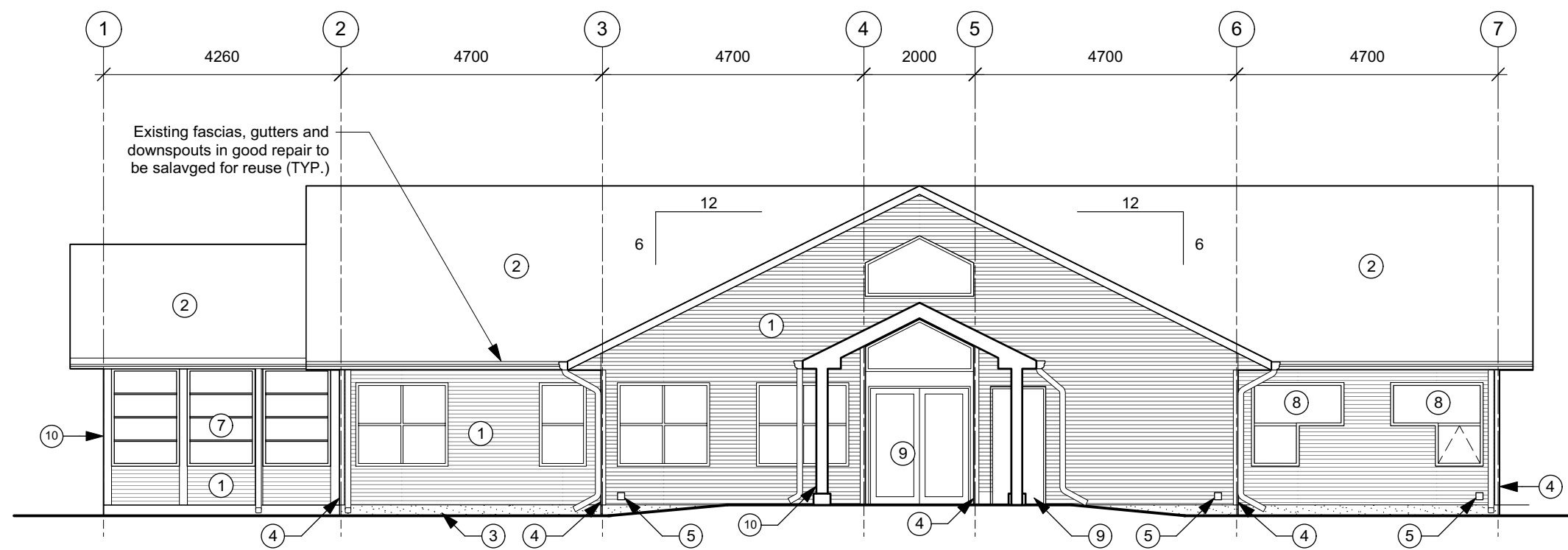


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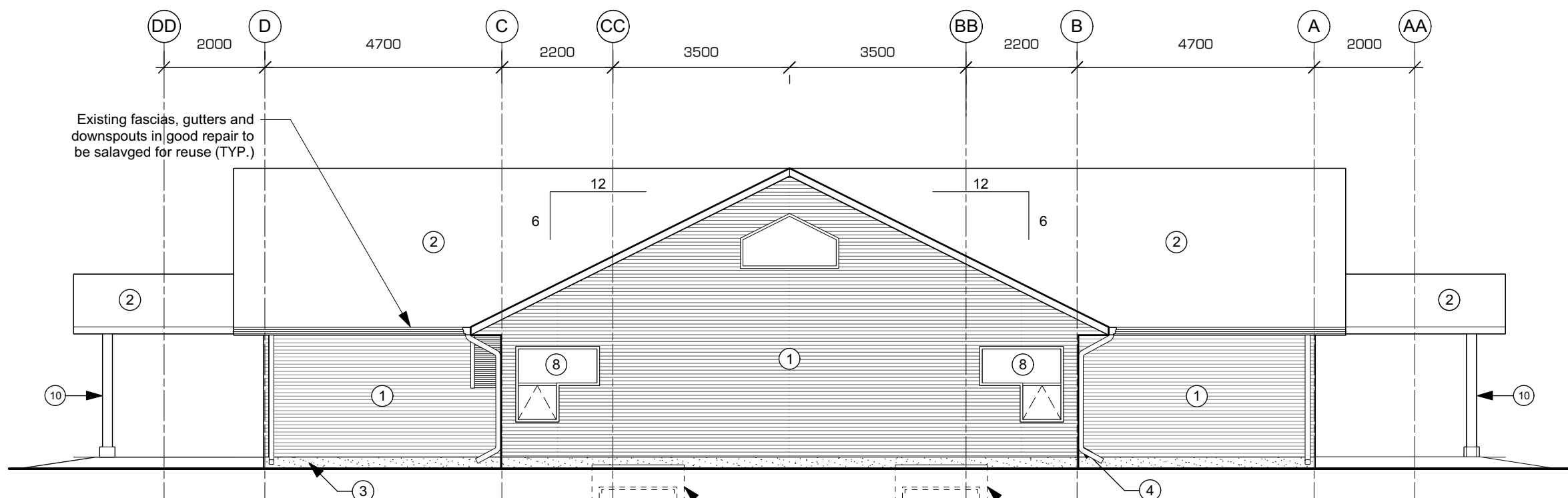
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3	DEC.15.15	Issued for Client Review	AB	DS
2	NOV.11.15	Issued for Client Review	AB	DS
1	NOV.06.15	Issued for Review	AB	DS
No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
Revision / Revision				
Consultant's Stamp Sceau de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	
Client/client				
		Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région	
Consultant's Name Nom de l'expert-conseil			 	
Project title/Titre du projet				
MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE NATIONAL PARK, SK				
Drawing title/Titre du dessin				
BASEMENT & MAIN FLOOR FLOOR FINISH PLANS & ROOM FINISH SCHEDULE				
Surveyed by/Arpenté par N/A		Drawn by/Dessiné par AB		Date/Date JAN.22.2015
Designed by/Concept par DS		Reviewed by/Revisé par DS		Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada Adriana Bacheschi				
Client Acceptance/Acceptation du client			Approved by/Approuvé par	
Parks Canada Responsible Officer/Agent Responsable Parcs Canada			Parks Canada Project Manager/Administrateur de Projets Parcs Canada	
Project No./No. du projet		Asset No./No. du bien		Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin				A1.1
2711 16011 - 0				

ELEVATION LEGEND:

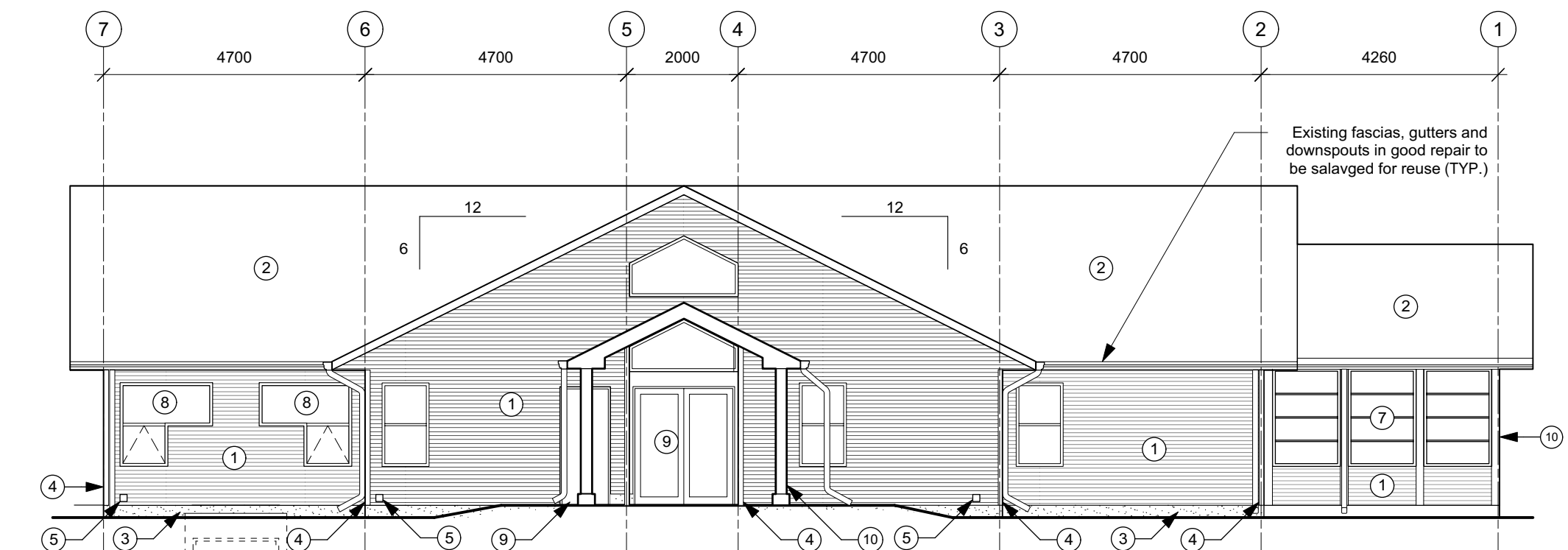
- 1 NEW SIDING, AS PER SPECIFICATION.
- 2 NEW SHINGLES, AS PER SPECIFICATION.
- 3 NEW PARGING, FLASHING & REPAIR INSULATION, AS PER SPECIFICATION.
- 4 NEW CORNER TRIM, AS PER SPECIFICATION.
- 5 NEW WP RECEPTACLES C/W COVER - SEE SHEET A4.0 - RCP
- 6 NEW WINDOW WELL AND BASEMENT WINDOW (AS PER SCHEDULE) - SEE SHEET A5.1.
- 7 NEW VERTICAL FOUR TRACK VINYL WINDOW, AS PER SPECIFICATION
- 8 REPLACE EXISTING WINDOWS, AS PER SCHEDULE.
- 9 PAINT EXISTING DOOR SLAB AND FRAME AND ASSOCIATED WINDOW FRAME.
- 10 REFINISH EXISTING EXTERIOR WOOD STRUCTURES, PAINT TO MATCH SIDING.



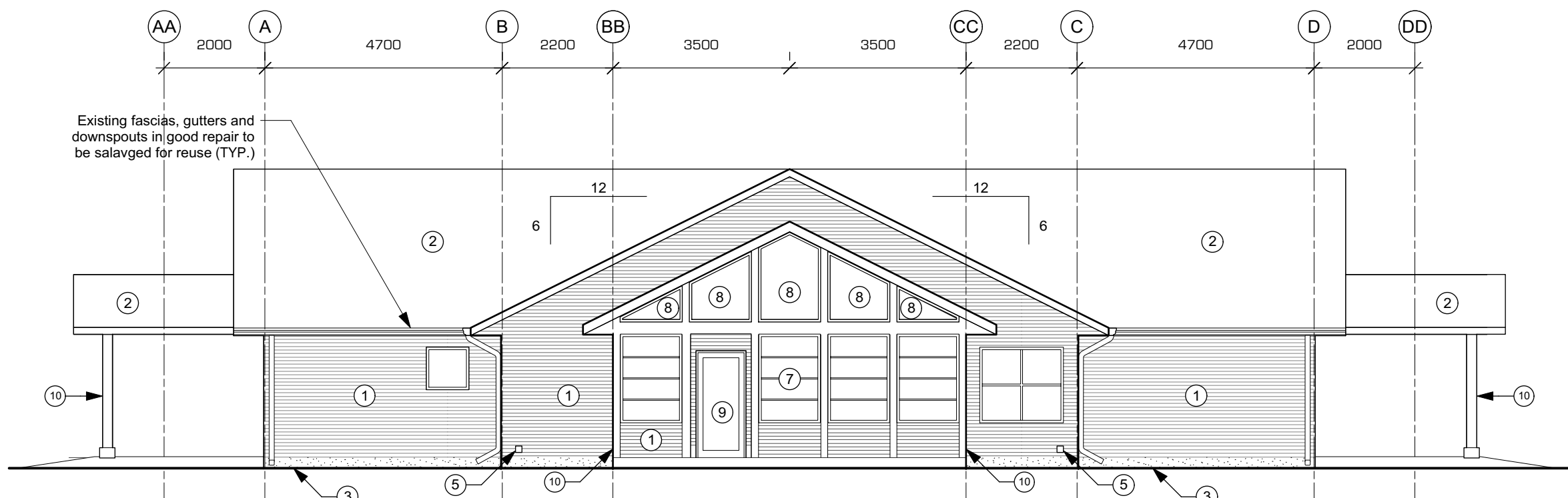
1 SOUTH ELEVATION
A2.0 1:100



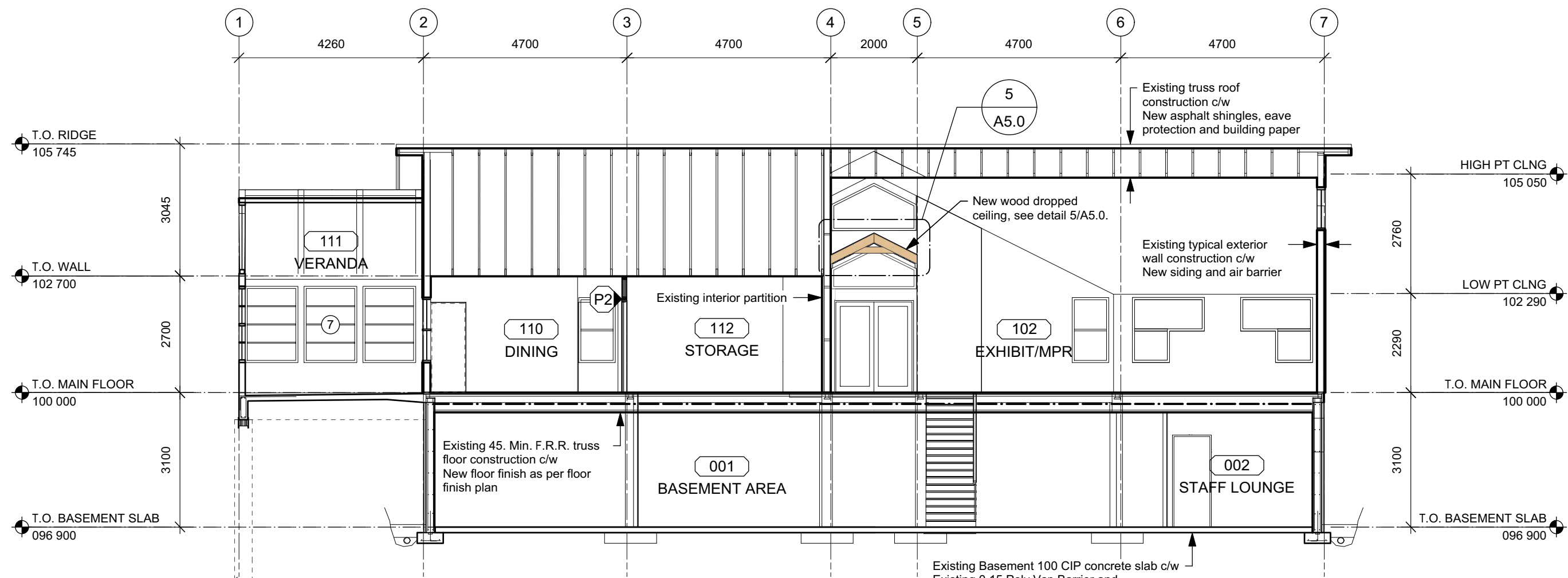
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A2.0 1:100



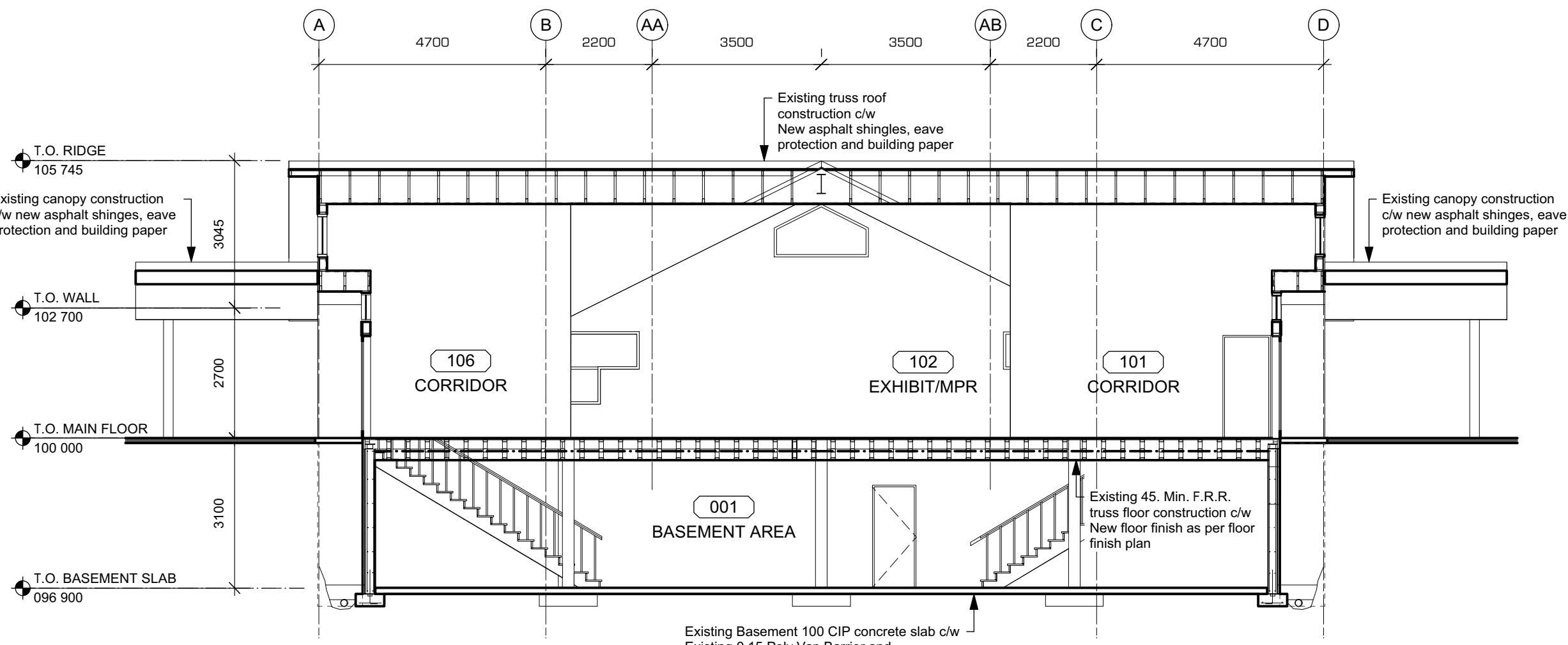
3 NORTH ELEVATION
A2.0 1:100



4 WEST ELEVATION
A2.0 1:100



5 WEST-EAST BUILDING SECTION
A2.0 1:100



6 NORTH-SOUTH BUILDING SECTION
A2.0 1:100

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1	NOV.08.15	Issued for Review	AB	DS

Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/client	Parks Canada Agence Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name Nom de l'expert-conseil	UNIT7 ARCHITECTURE INC.
	McElhanney

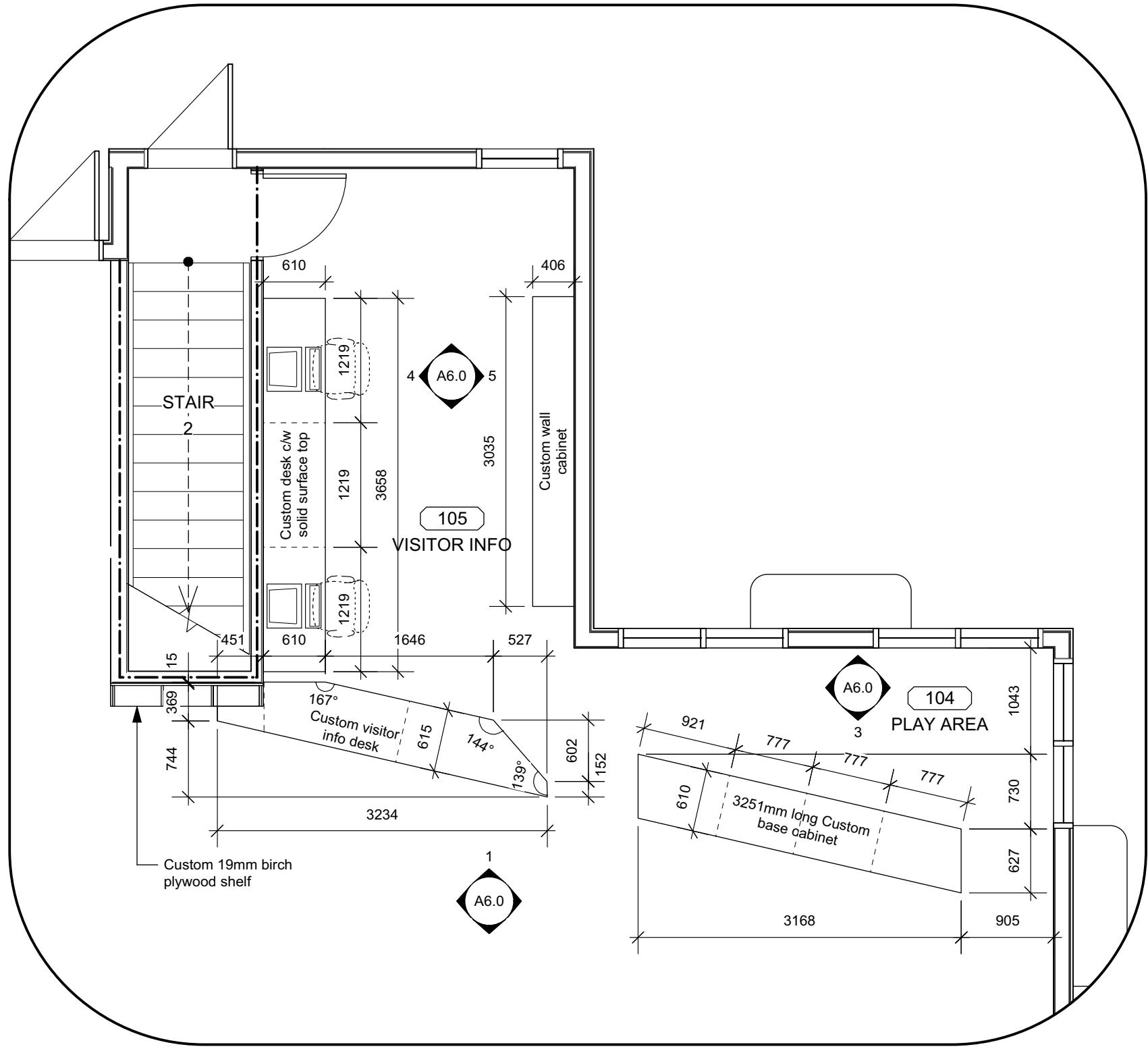
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	NATIONAL PARK, SK

Drawing title/Titre du dessin

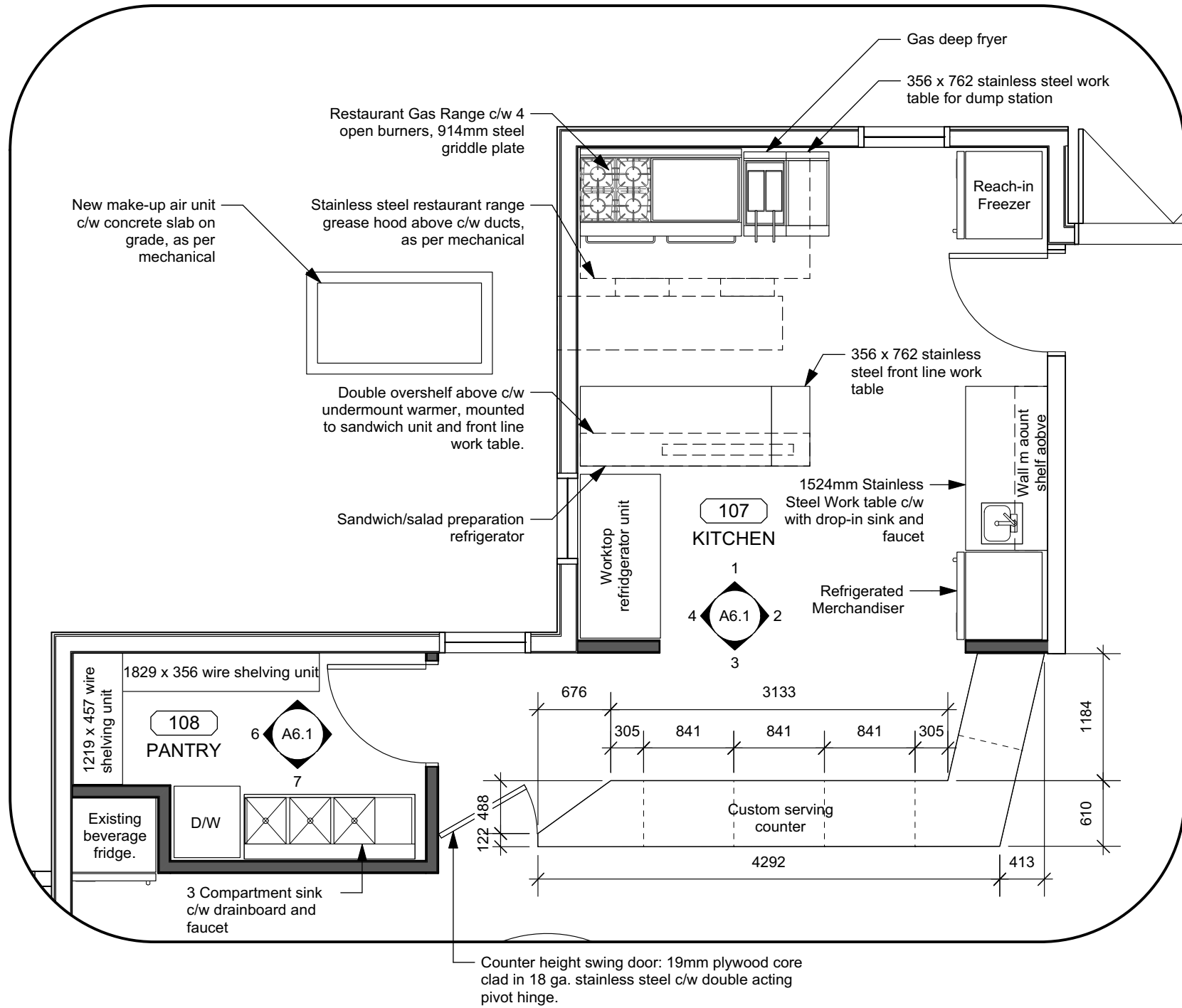
BUILDING
ELEVATIONS &
SECTIONS

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N/A	AB	JAN.22.2015
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
DS	DS	AS SHOWN

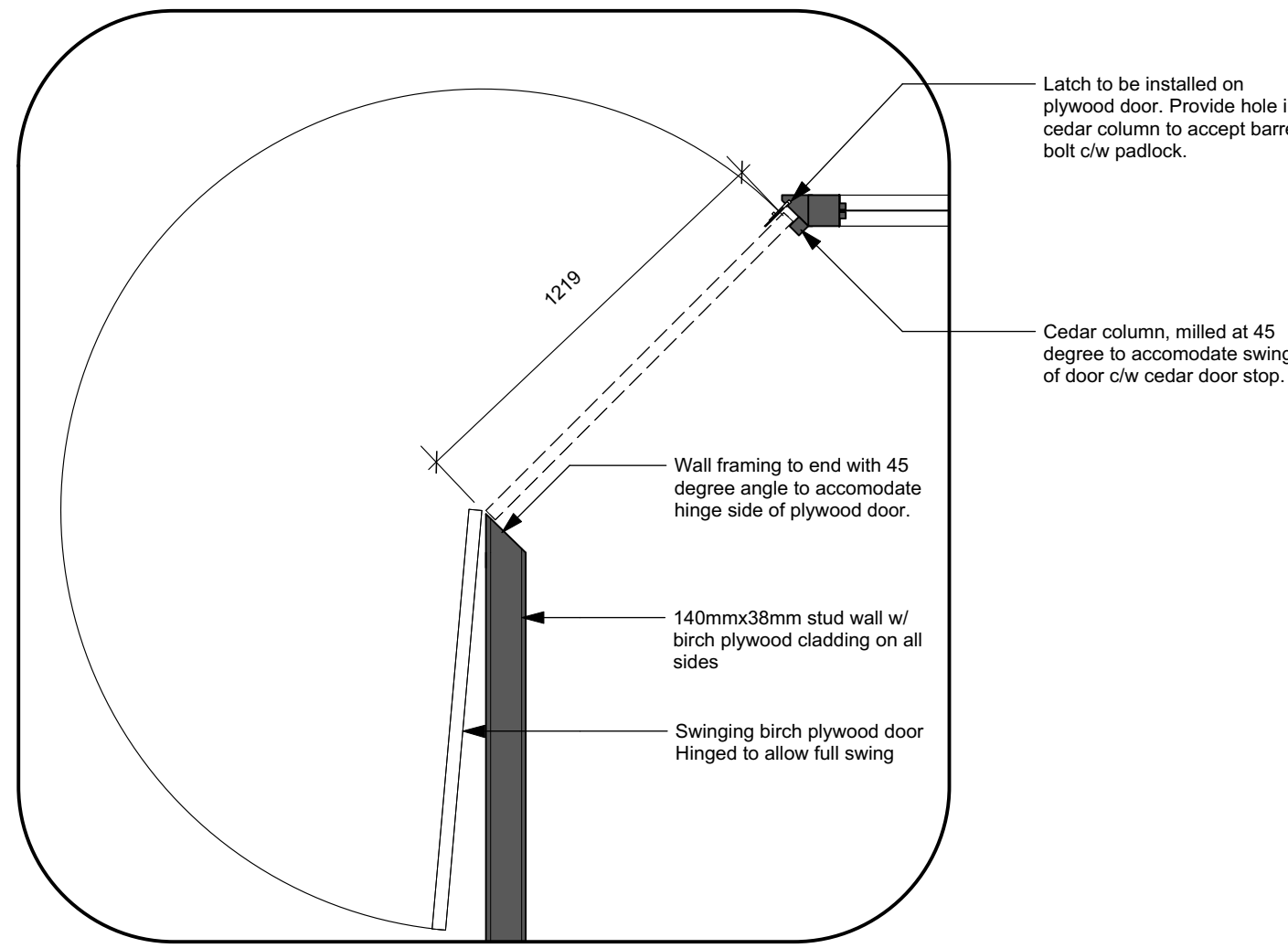
Parks Canada Project Manager/Administrateur de Projets Parcs Canada	Adriana Bacheschi	Client Acceptance/Acceptation du client	Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable	Parks Canada Project Manager/Administrateur de Projets		
Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille	A2.0
Drawing Reference No./No. de référence du dessin			2711 16011 - 0



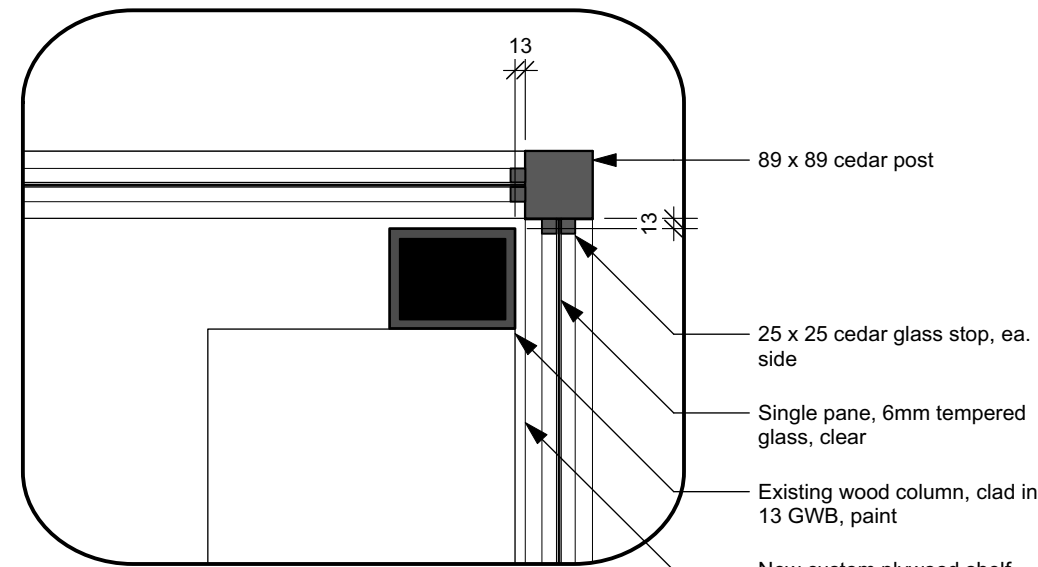
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VISITOR INFO + PLAY AREA
ENLARGED PLAN



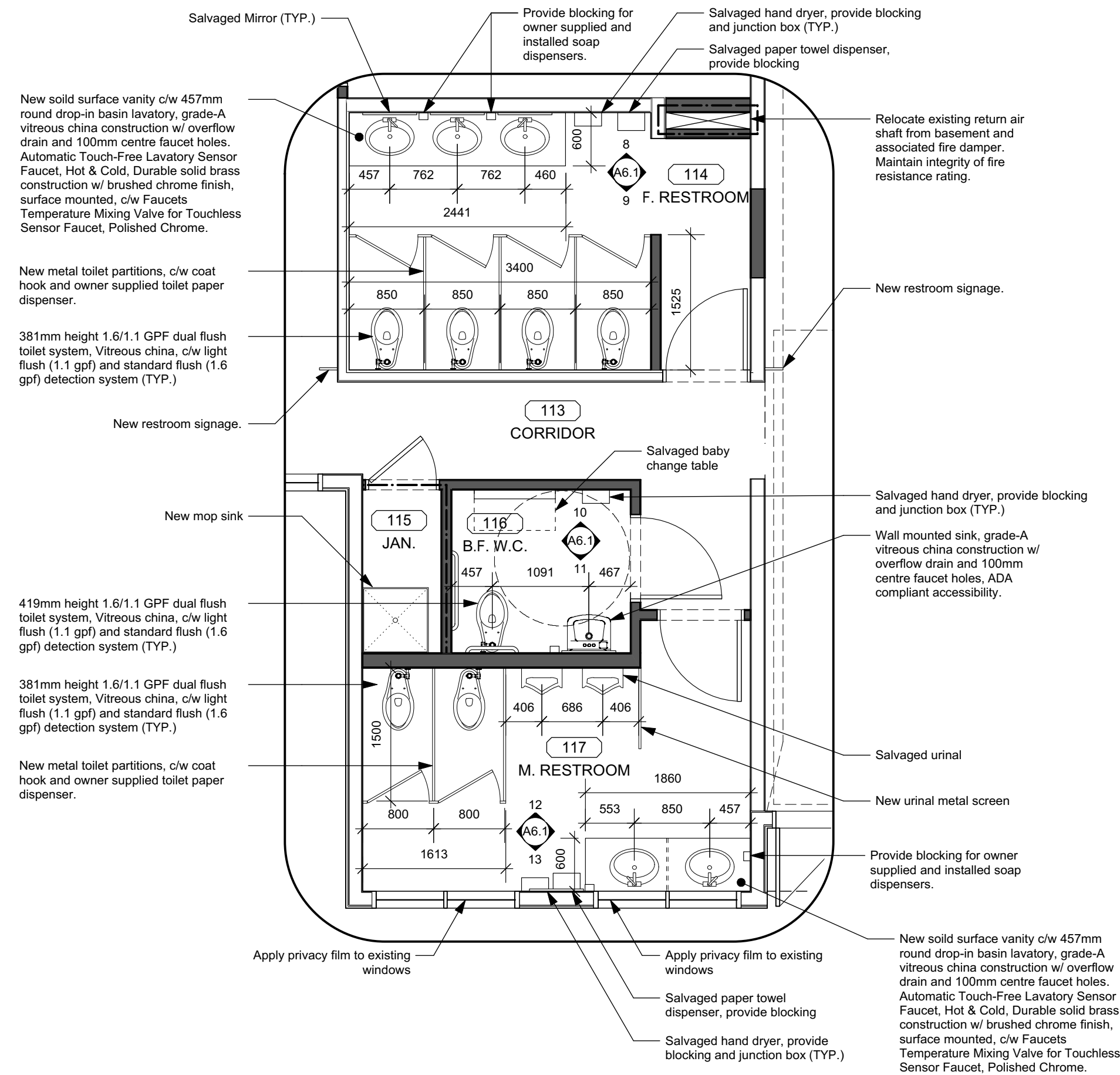
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A3.0 1:50
KITCHEN + PANTRY
ENLARGED PLAN



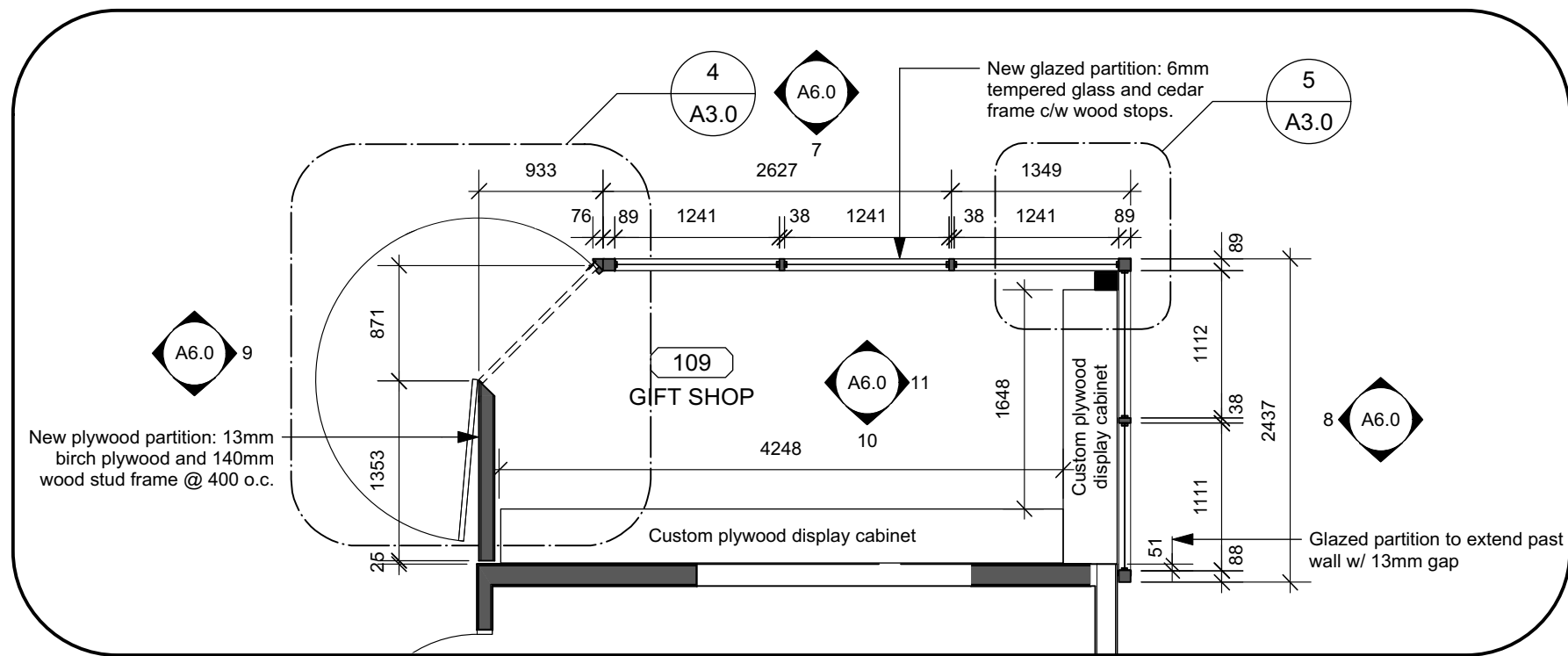
4
A3.0 1:20
GIFT SHOP DOOR
DETAIL PLAN



5
A3.0 1:10
GIFT SHOP PARTITION @ COLUMN
DETAIL PLAN



6
A3.0 1:50
MAIN FLOOR RESTROOMS
ENLARGED PLAN



3
A3.0 1:50
GIFT SHOP
ENLARGED PLAN

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Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/client	Parks Canada Agence Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name Nom de l'expert-conseil	UNIT7 ARCHITECTURE INC.
	McElhanney

Project title/Titre du projet	MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE
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Drawing title/Titre du dessin	NATIONAL PARK, SK
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MAIN FLOOR ENLARGED PLANS		
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Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	AB	JAN.22.2015
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
DS	DS	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada		
Adriana Bacheschi		

Client Acceptance/Acceptation du client	Approved by/Approuvé par
---	--------------------------

Parks Canada Responsible Officer/Agent Responsable	Parks Canada Project Manager/Administrateur de Projets
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Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille
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Drawing Reference No./No. de référence du dessin	A3.0
2711 16011 - 0	

ELECTRICAL & MECHANICAL NOTES

- PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- REVIEW EQUIPMENT LOCATIONS WITH DEPARTMENTAL REPRESENTATIVE PRIOR TO INSTALLATION.
- INSTALL ALL FIXTURES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION REQUIREMENTS INCLUDING ALL REQUIRED CLEARANCES.
- NOT ALL EXISTING ELECTRICAL ITEMS HAVE BEEN SHOWN.
- PROVIDE ADEQUATE POWER FOR KITCHEN AS REQUIRED FOR KITCHEN DESIGN.
- REFER TO MECHANICAL DRAWINGS FOR FURTHER SCOPE OF WORK.

ELECTRICAL LEGEND

New pot light fixture.

Junction box/outlet box, relocated.

New wall mounted light fixture.

Emergency lighting, relocated.

Existing to remain.

Existing to be relocated.

Existing ceiling mounted fluorescent, relocated.

New ceiling mounted fluorescent.

New fluorescent tube fixture. Suitable for row installation, surface mounted.

Existing exterior canopy mounted light fixture to remain

Electrical distribution panel, surface mounted

Existing exhaust fan, relocated

S.P.S.T. switch mounted up 1200mm. Small lettered suffix on switches indicates the switch is controlling the fixtures with corresponding suffixes.

3-way switch mounted up 1200mm.

S.P.S.T. switch/dimmer mounted up 1200mm. Dimmer shall be sized according to load; 500W; 1000W; or 1500W.

Switch c/w motion sensor, mounted up 1200mm.

Data outlet, mounted up 450mm

Duplex grounded receptacle mounted up 450mm. Where suffixed 'C' mount 150mm above counter. Suffixed WP indicates waterproof.

Duplex grounded receptacle mounted up 450mm, c/w diecast aluminum weatherproof double lid cover.

CEILING LEGEND

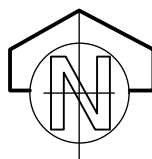
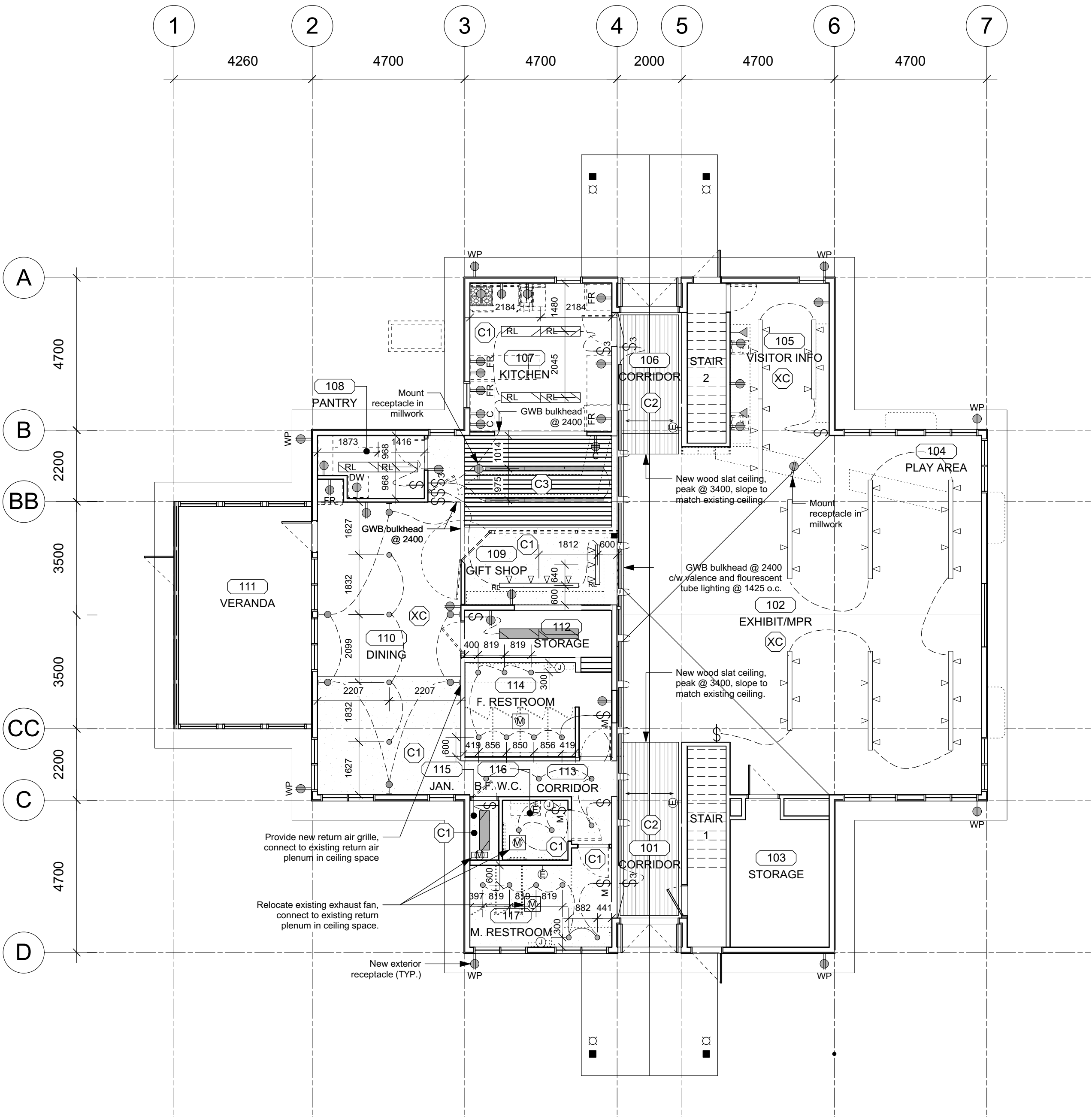
- C1

GWB Ceiling
16 GWB @ u/s of existing truss
- C2

Wood Dropped Gable Ceiling
19mm x 140mm cedar slats @ 153 o.c. on 2-38mm x 184mm cedar frame c/w 38 x 140 cedar collar tie @ 1828 o.c. peak @ 3680mm
- C3

Wood Slat Ceiling
19mm x 140mm cedar slats @ 140 o.c. on strapping anchored to existing roof structure, u/s @ 2500mm, c/w 16 GWB.
- XC

Existing GWB Ceiling
16 GWB @ u/s of existing truss finish as per schedule.



1
A4.0
1:100
MAIN FLOOR ELECTRICAL & REFLECTED CEILING PLAN

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No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

Consultant's Stamp
Sceau de l'expert-conseil

Eng. Stamp
Sceau de l'ingénieur

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

Consultant's Name
Nom de l'expert-conseil
UNIT7 ARCHITECTURE INC.
 **McElhanney**

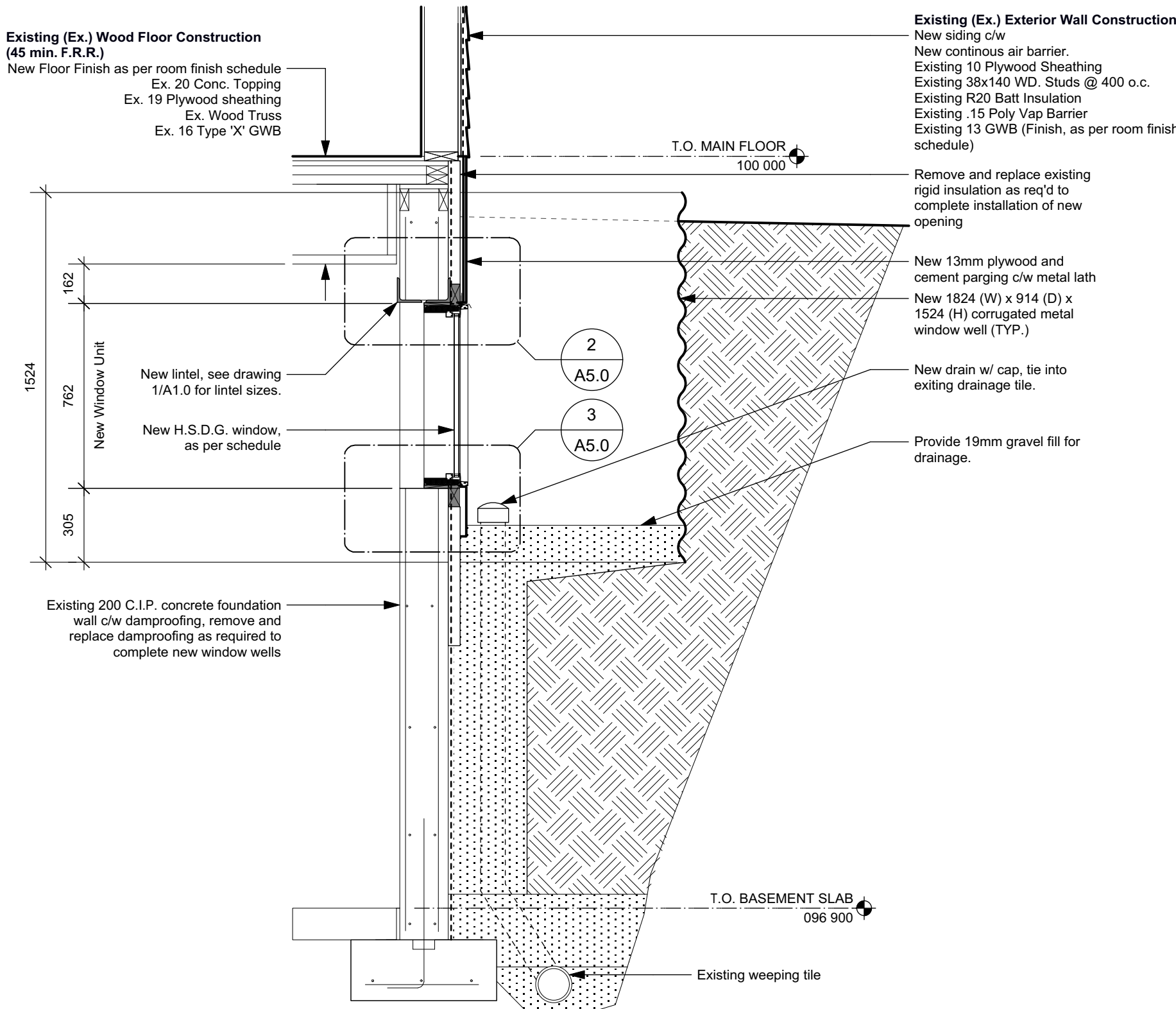
Project title/Titre du projet
**MOTHERWELL HOMESTEAD
NATIONAL HISTORIC SITE**

NATIONAL PARK, SK

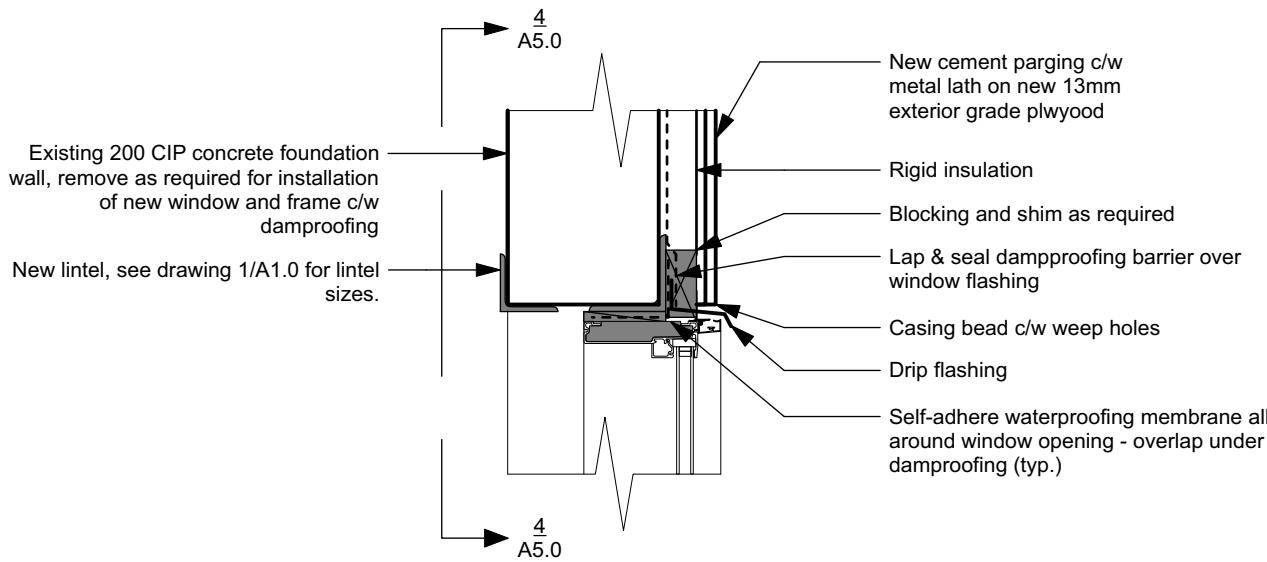
Drawing title/Titre du dessin
**BASEMENT & MAIN FLOOR
REFLECTED CEILING
PLANS**

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par AB	Date/Date JAN.22.2015
Designed by/Concept par DS	Reviewed by/Revisé par DS	Scale/Echelle AS SHOWN

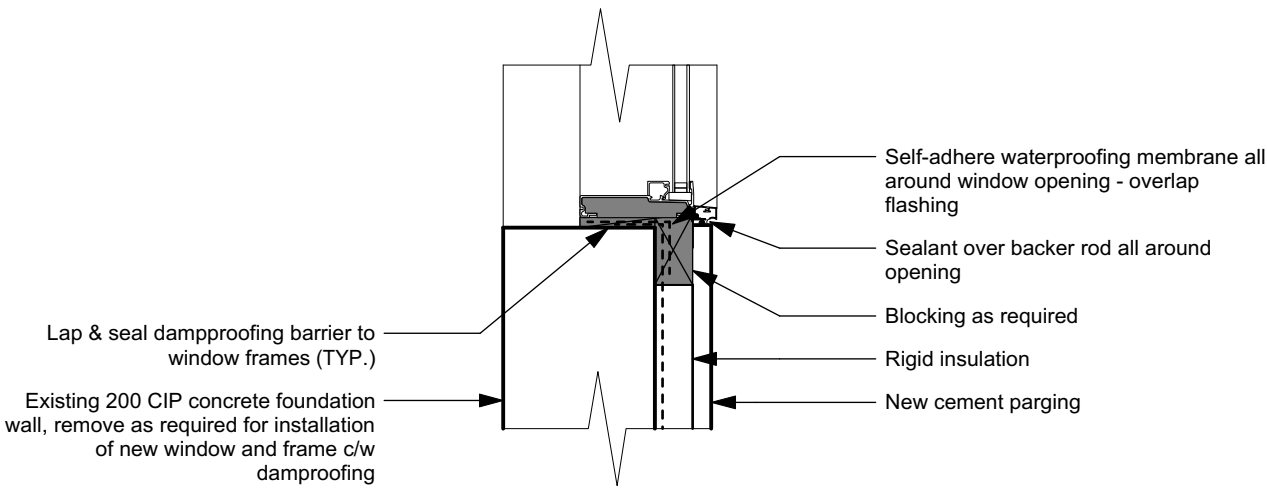
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Client Acceptance/Acceptation du client Parks Canada		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Project No./No. du projet		Parks Canada Project Manager/Administrateur de Projets Asset No./No. du bien Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16011 - 0		A4.0



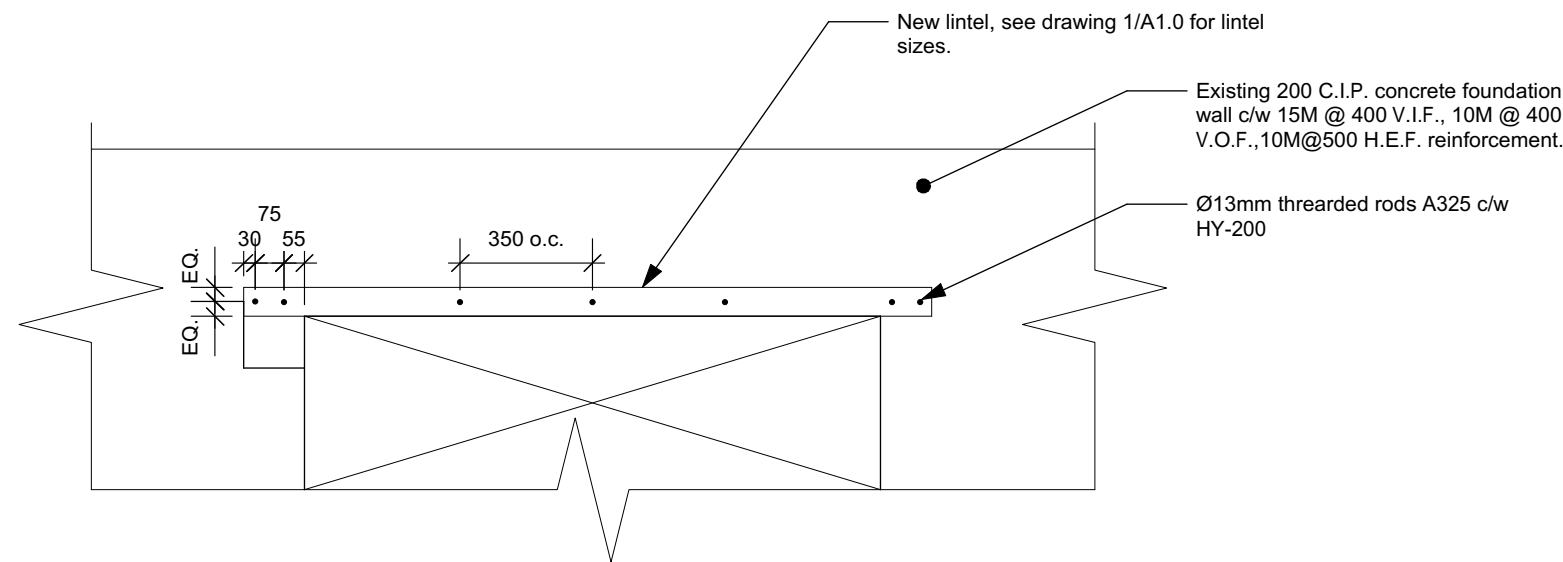
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1:20



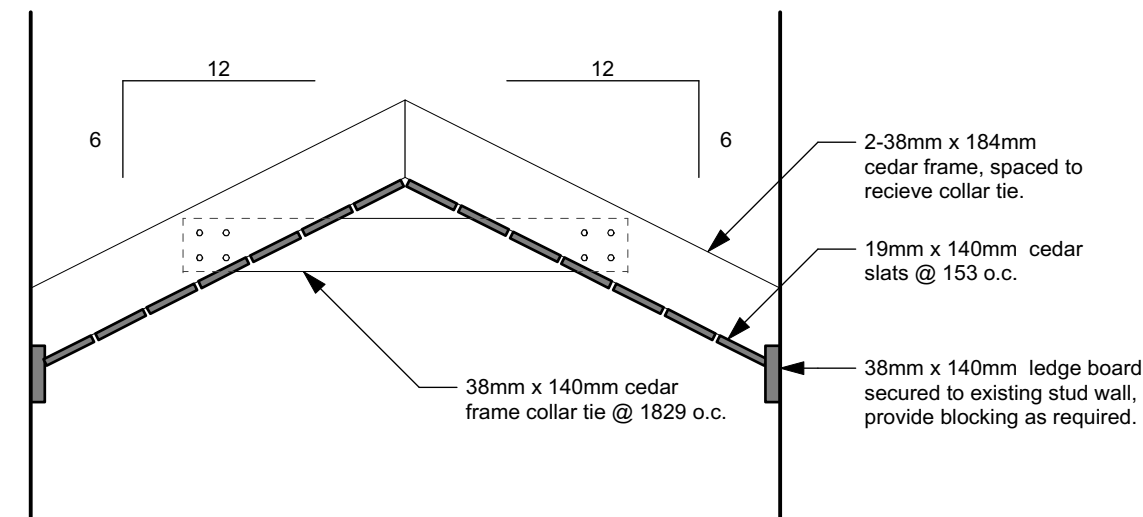
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 SECTION DETAIL
1:10



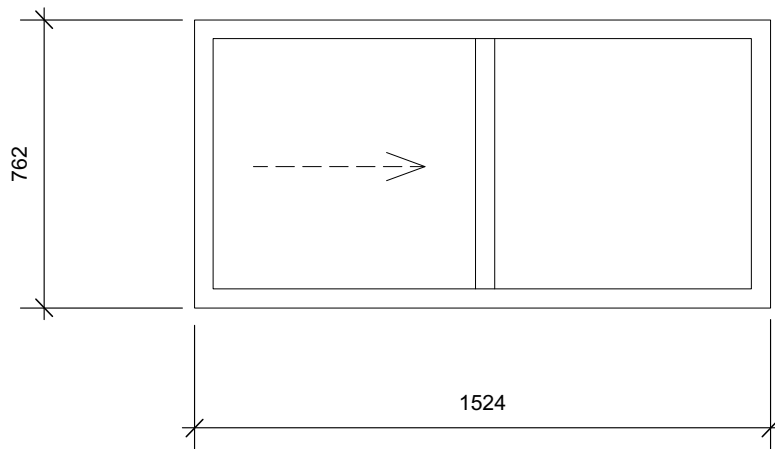
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 SECTION DETAIL
1:10



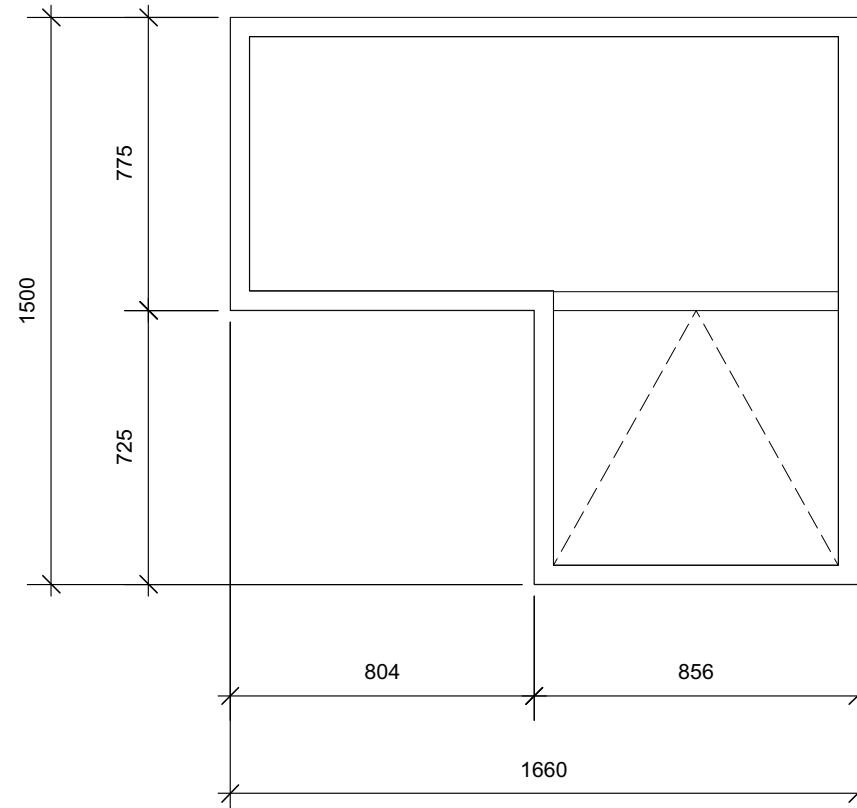
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 LINTEL DETAIL @ FOUNDATION WALL OPENING
1:20



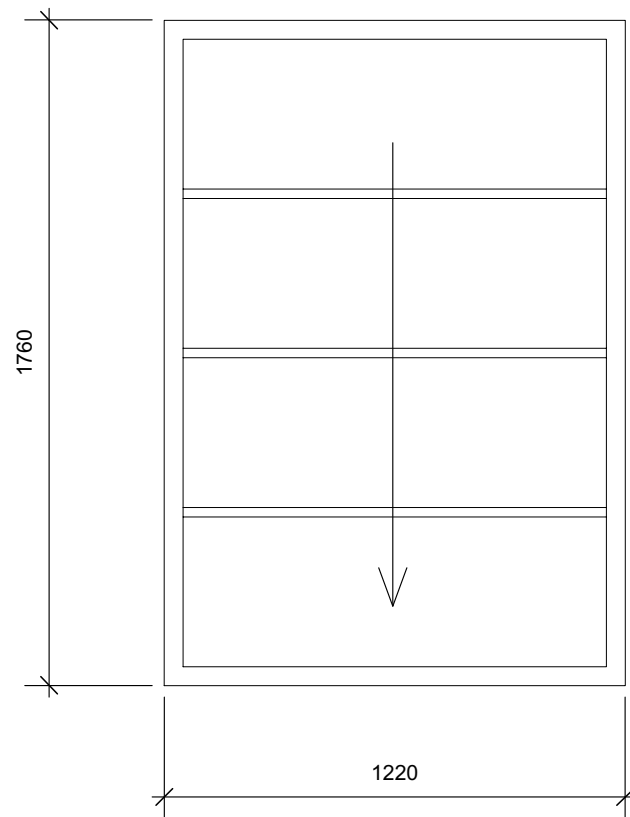
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 WOOD DROPPED CEILING SECTION DETAIL
1:20



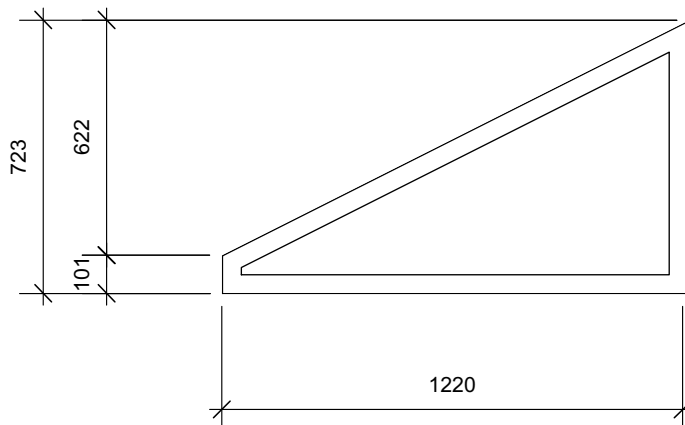
W1
NEW BASEMENT SLIDER WINDOWS (TYP.)
PREFINISHED METAL-CLAD FRAME
H.S.D.G



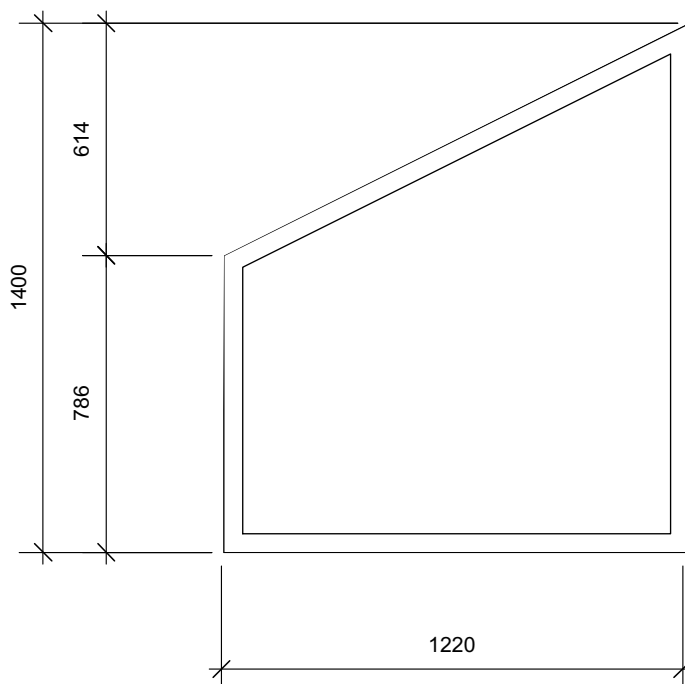
W2
MPR REPLACEMENT WINDOWS (TYP.)
PREFINISHED METAL-CLAD FRAME
H.S.D.G C/W LOWER OPERABLE



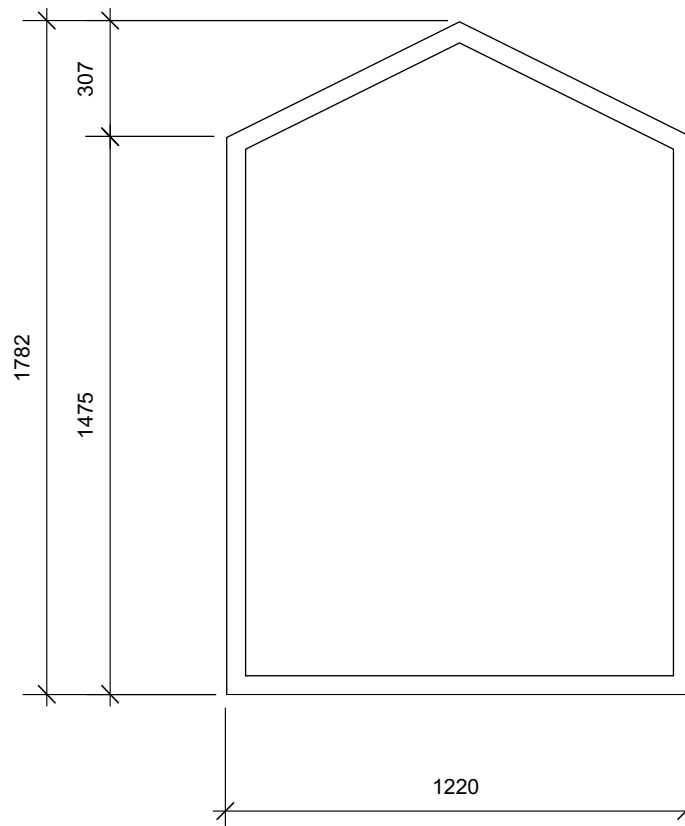
W3
VERANDA WINDOWS
VERTICAL 4-TRACK TELESCOPIC WINDOW SYSTEM
ALUMNIM FRAMES AND VENTS C/W
WEATHER-STRIPPING
FIBREGLASS SCREEN
ELASTO VINYL PANES



W4
VERANDA WINDOW/S
SINGLE PANE GLAZED WINDOW
C/W WOOD FRAME AND STOPS



W5
VERANDA WINDOW/S
SINGLE PANE GLAZED WINDOW
C/W WOOD FRAME AND STOPS



W6
VERANDA WINDOWS
SINGLE PANE GLAZED WINDOW
C/W WOOD FRAME AND STOPS

6
A5.0
 WINDOW SCHEDULE
1:20

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1	NOV.08.15	Issued for Review	AB	DS

Revision / Revision

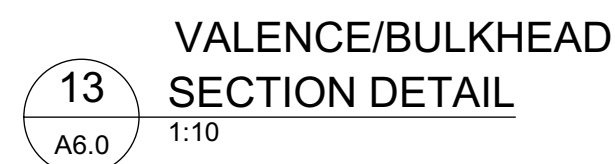
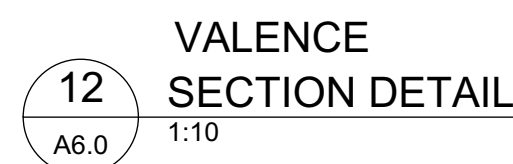
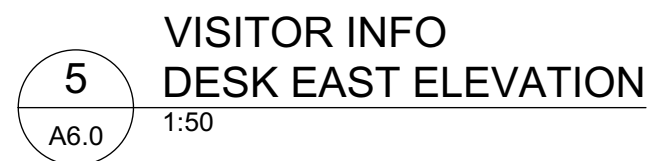
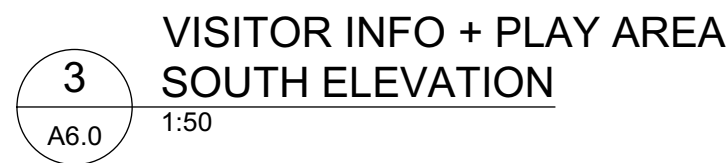
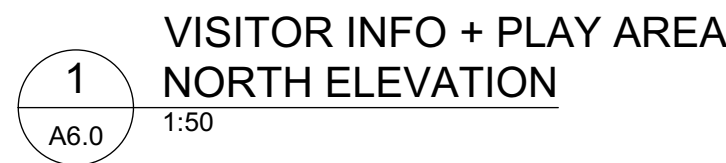
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Client/client	<div>  <div> Parks Canada Agency Western and Northern Region </div> </div> <div> <div>L'Agence Parcs Canada Ouest et Nord Région</div> </div>
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Consultant's Name Nom de l'expert-conseil	<div>  </div> <div>  </div>
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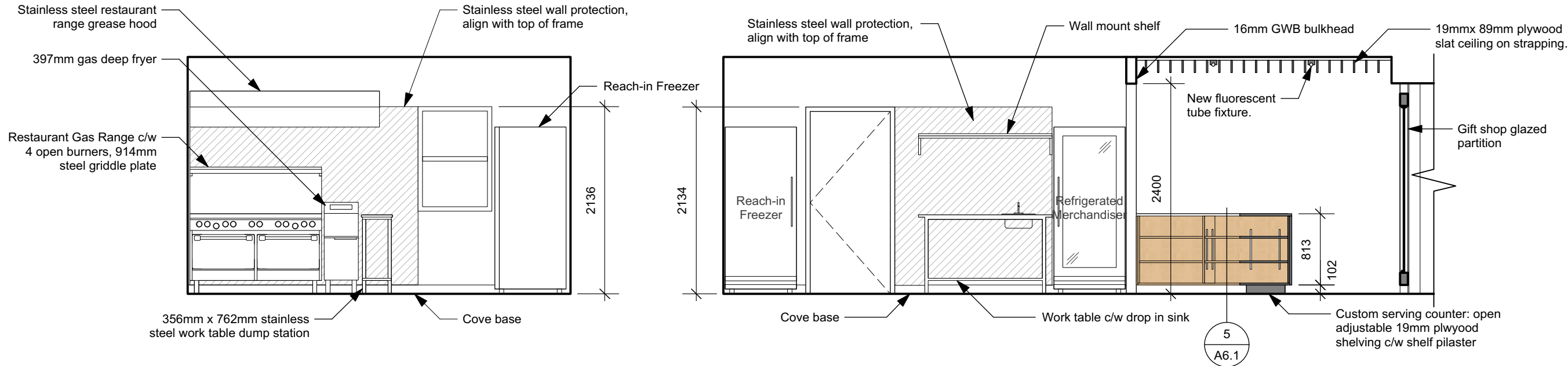
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Drawing title/Titre du dessin		
BASEMENT WINDOW WALL SECTION, DETAILS & WINDOW SCHEDULE		
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	AB	JAN.22.2015
Designed by/Concept par	Reviewed by/Revisé par	Scale/Échelle
DS	DS	AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada		
Adriana Bacheschi		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable		Parks Canada Project Manager/Administrateur de Projets
Project No./No. du projet		Asset No./No. du bien
Drawing Reference No./No. de référence du dessin		Sheet No./No. de la feuille
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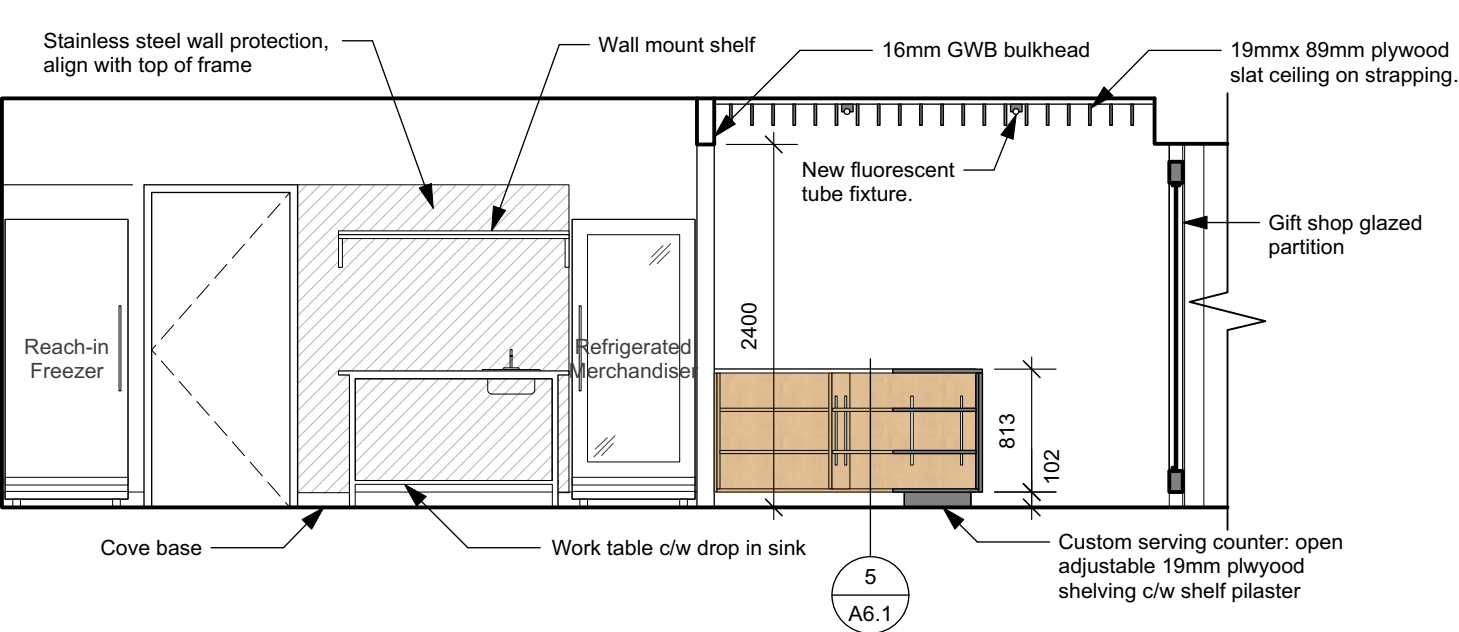


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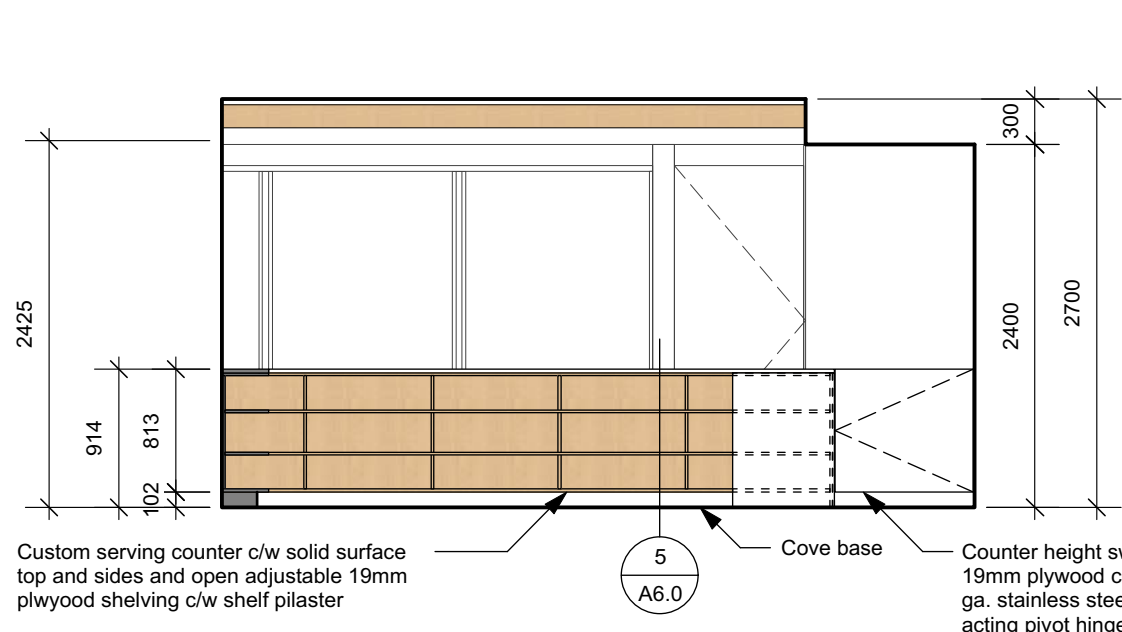
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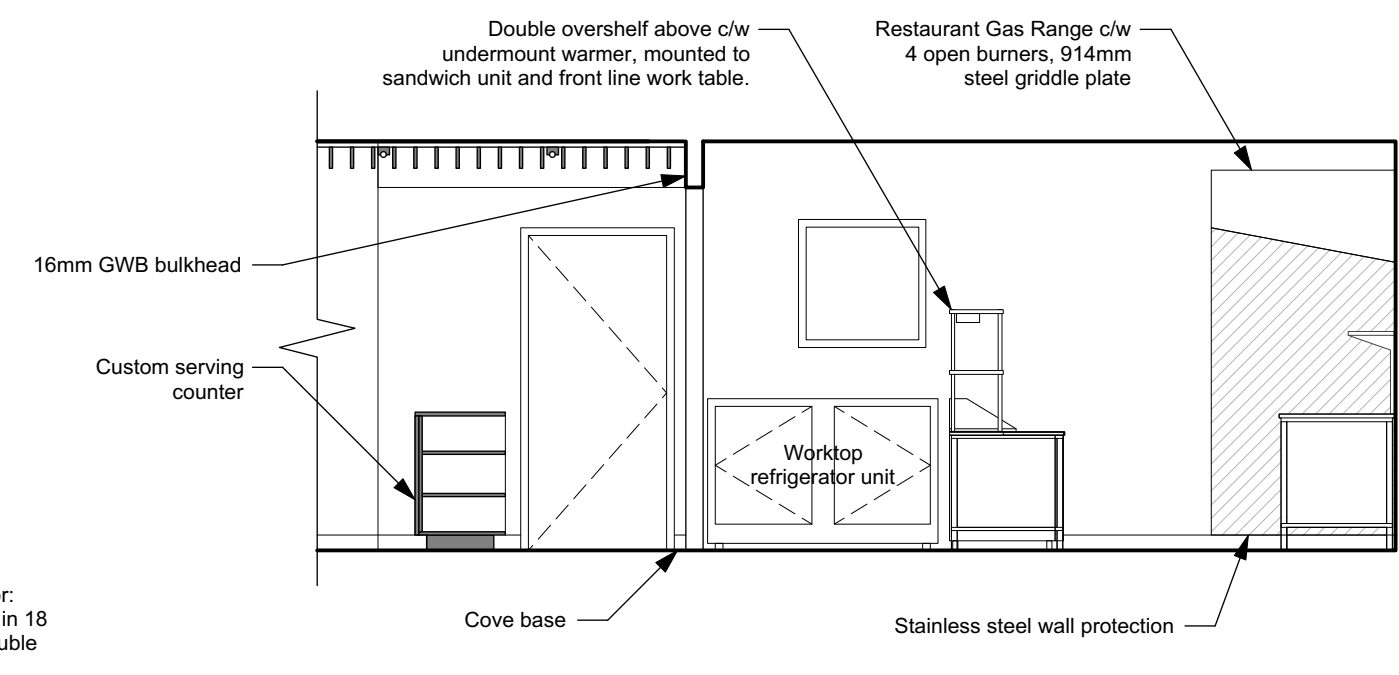
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A6.1 1:50



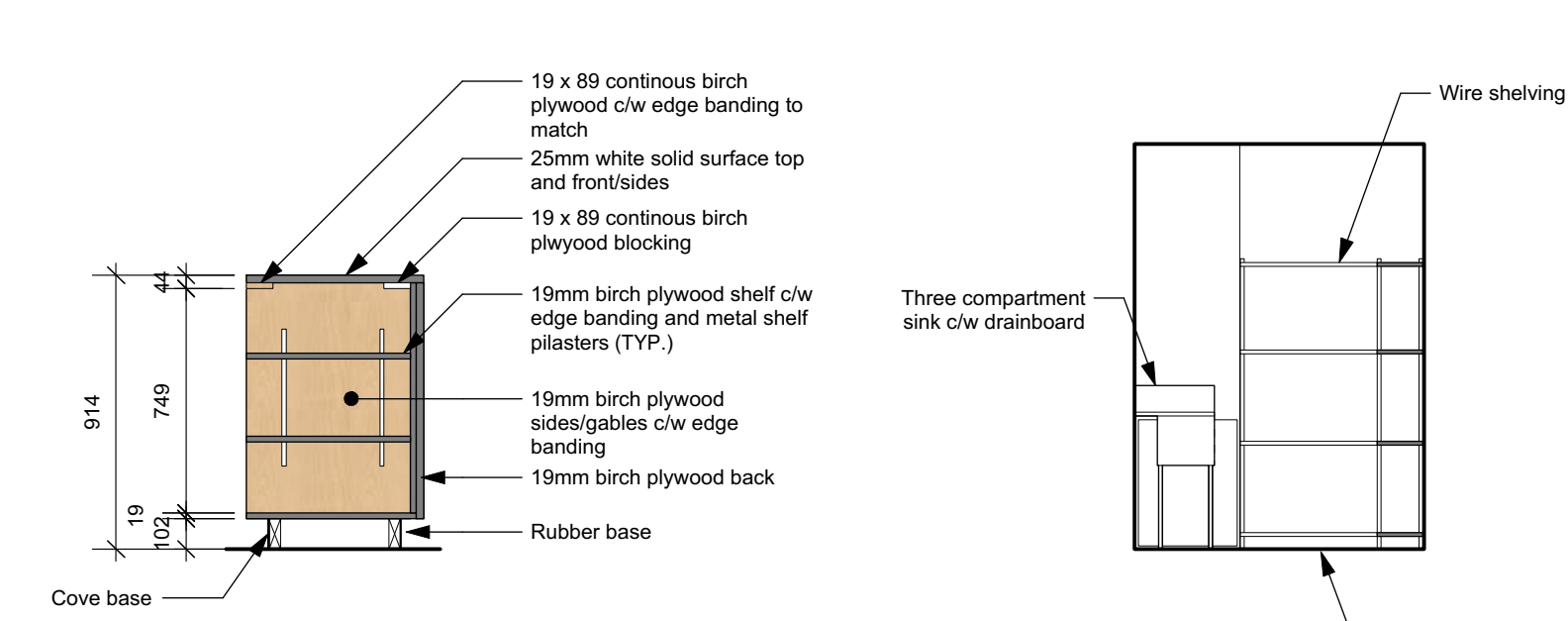
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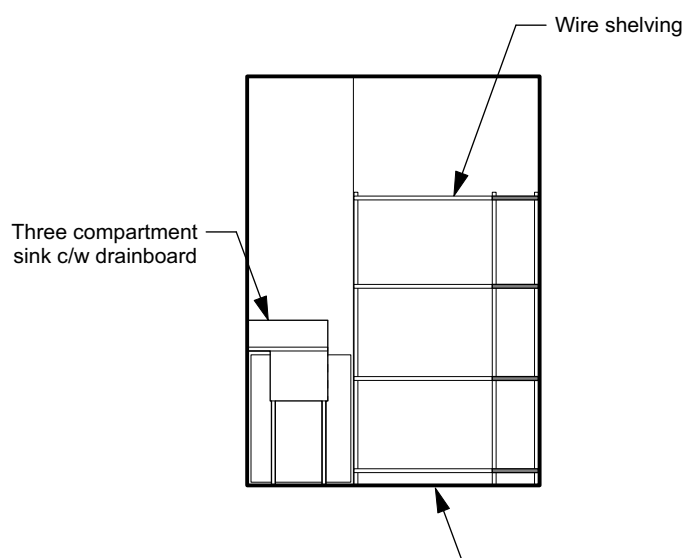
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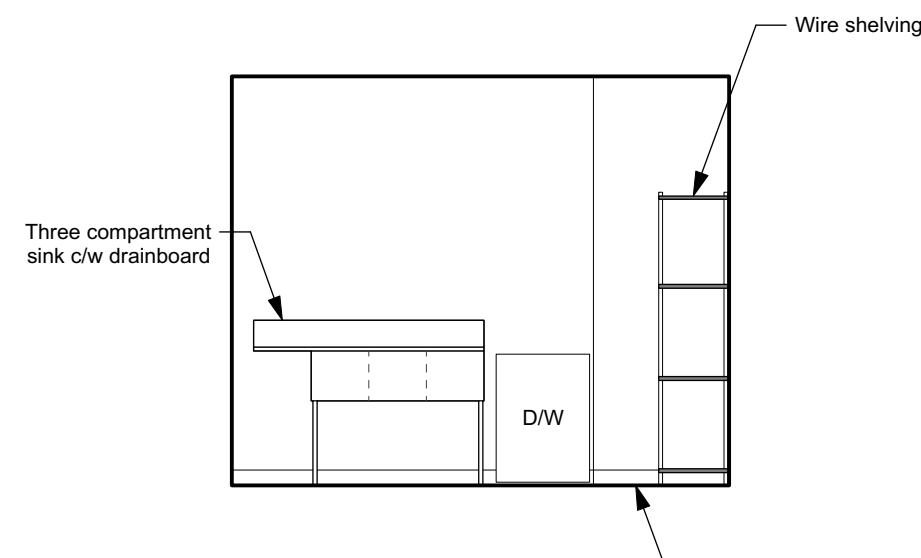
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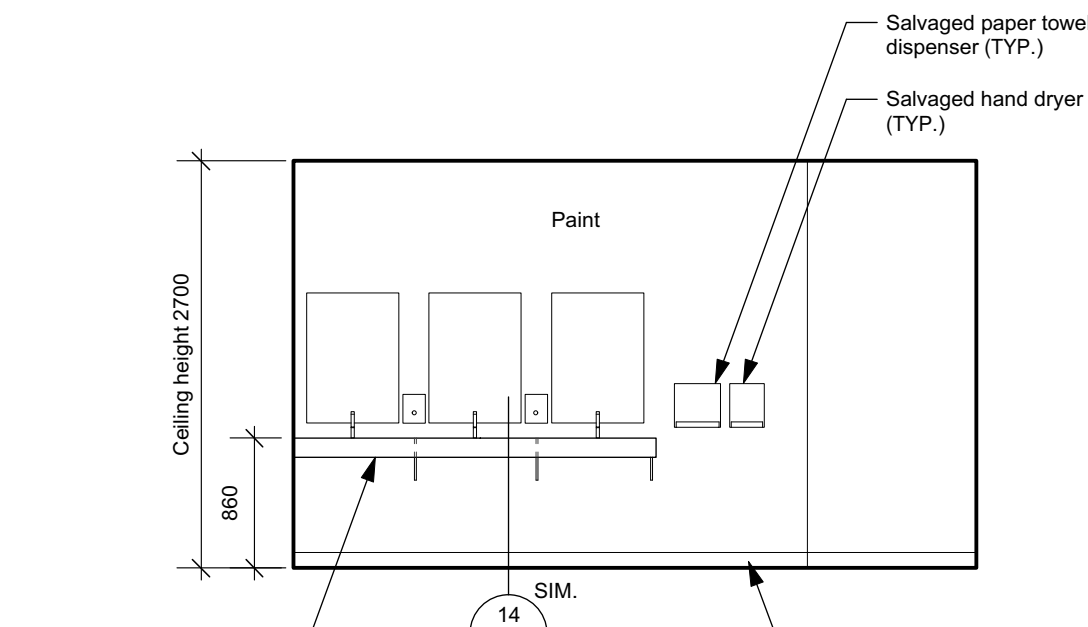
5 KITCHEN MILLWORK SECTION
A6.1 1:25



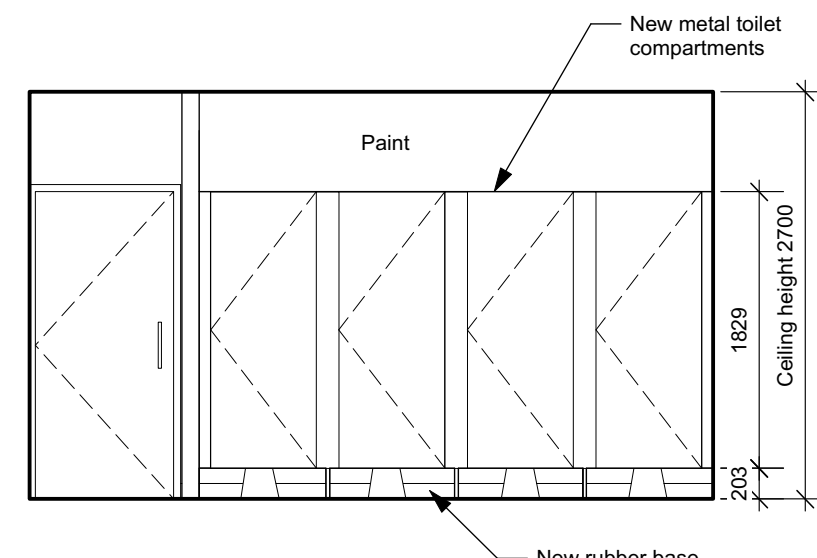
6 PANTRY EAST ELEVATION
A6.1 1:50



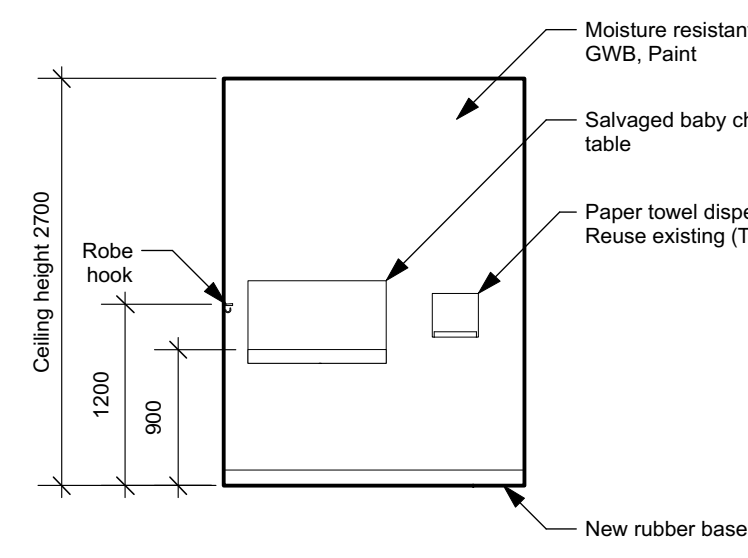
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A6.1 1:50



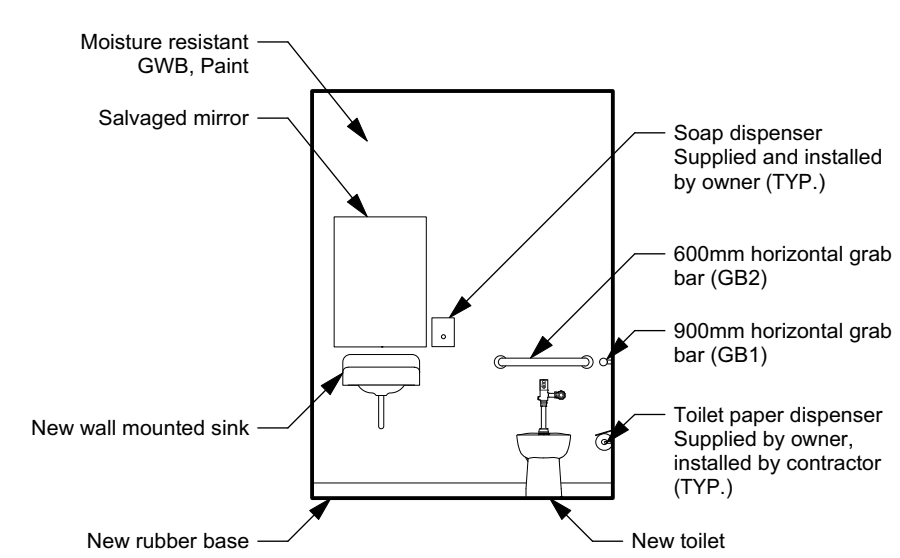
8 F. RESTROOM NORTH ELEVATION
A6.1 1:50



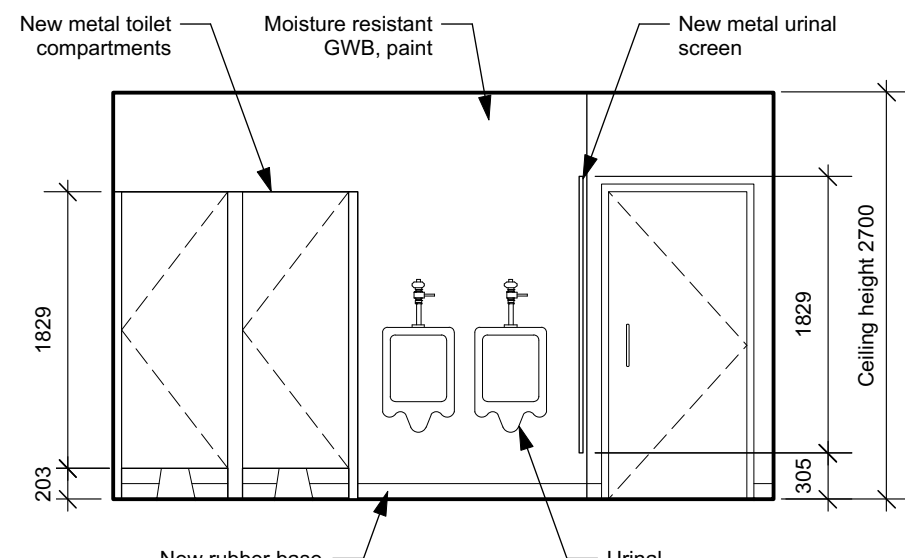
9 F. RESTROOM SOUTH ELEVATION
A6.1 1:50



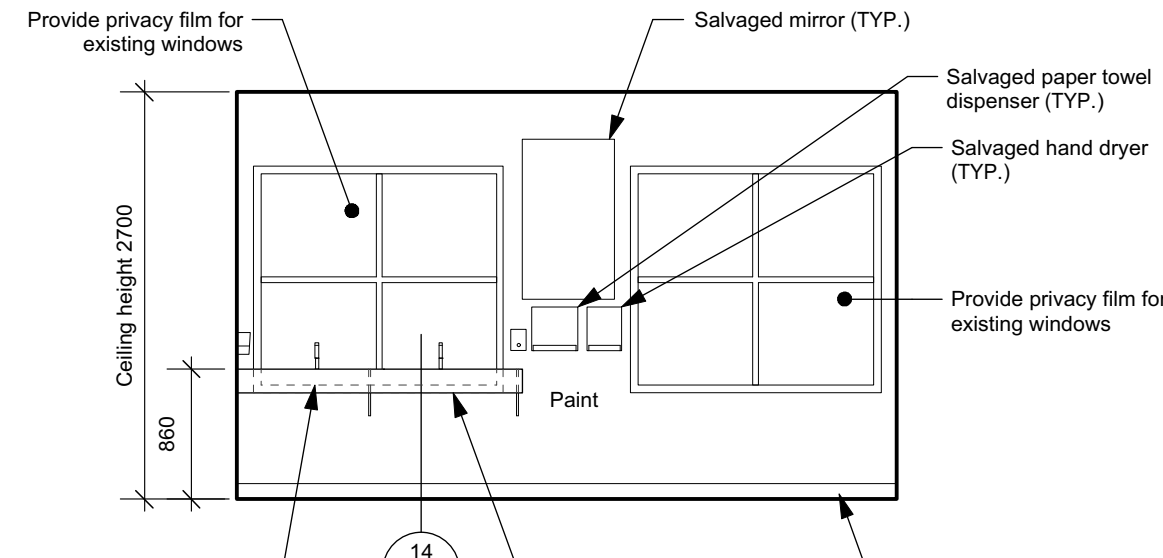
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A6.1 1:50



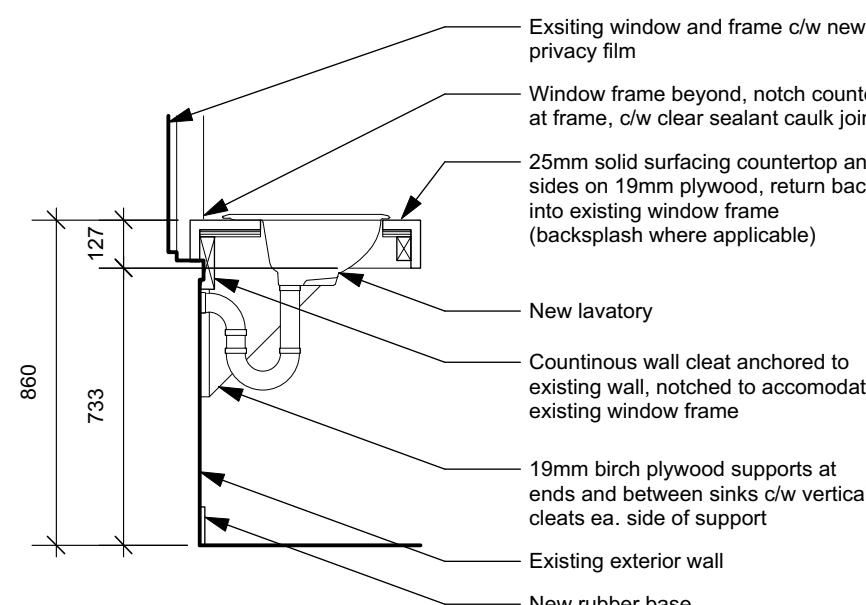
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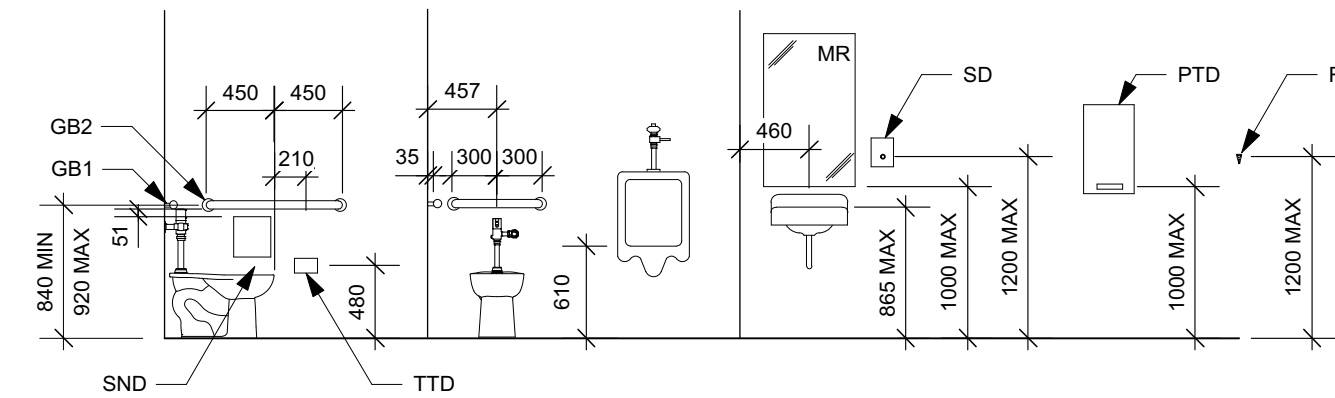
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A6.1 1:50



13 M. RESTROOM SOUTH ELEVATION
A6.1 1:50



14 M. RESTROOM VANITY MILLWORK SECTION
A6.1 1:20



15 TYPICAL MOUNTING HEIGHTS
A6.1 1:50



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4	JAN.25.16	Issued for Tender	AB	DS
3	DEC.15.15	Issued for Client Review	AB	DS
2	NOV.11.15	Issued for Client Review	AB	DS
1	NOV.08.15	Issued for Review	AB	DS

Revision / Revision				
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Consultant's Stamp Sceau de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur	
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Client/Client		L'Agence Parcs Canada Ouest et Nord Région	
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Consultant's Name Nom de l'expert-conseil		UNIT7 ARCHITECTURE INC.	
		McElhanney	

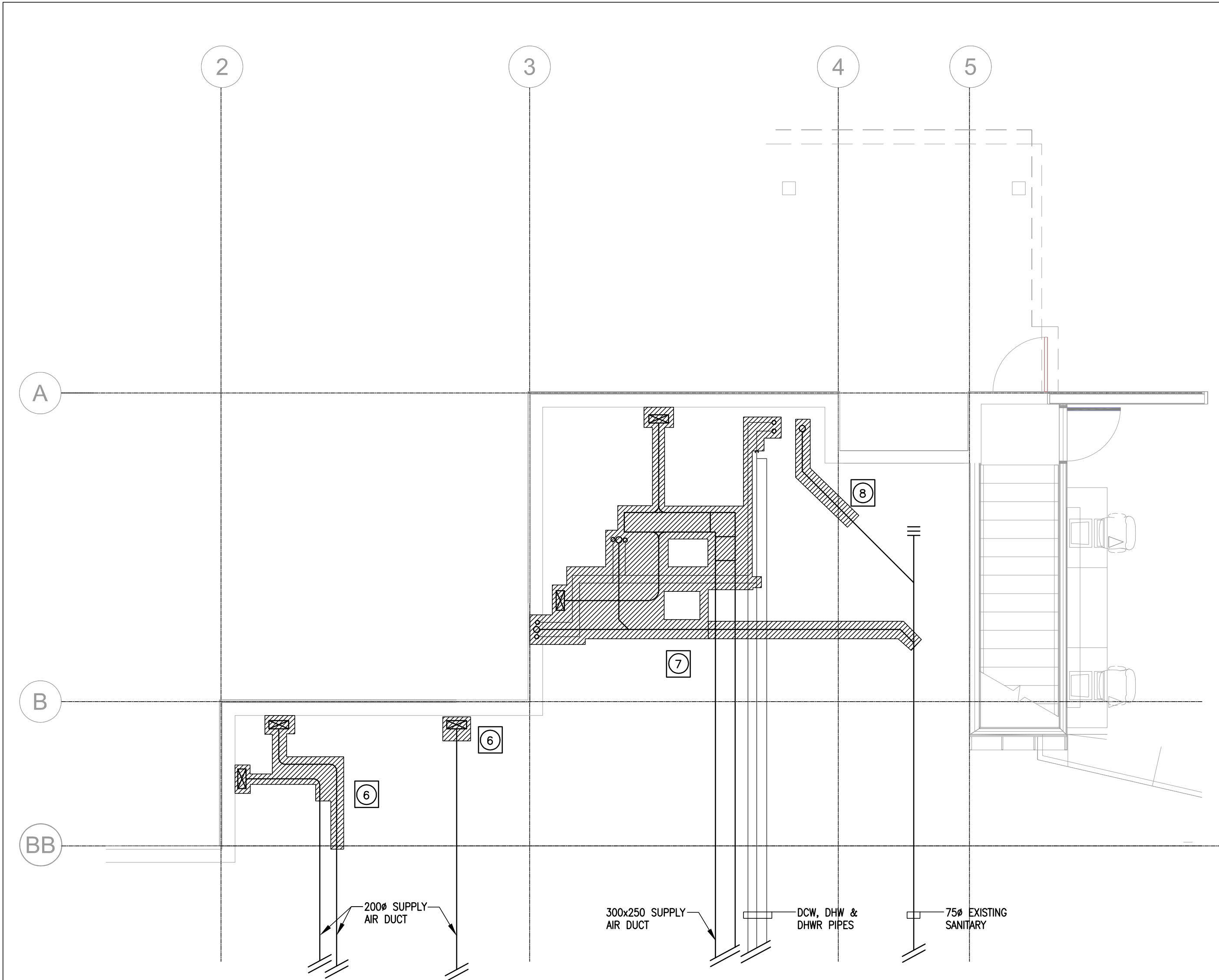
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		NATIONAL PARK, SK	

Drawing title/Titre du dessin		MAIN FLOOR INTERIOR ELEVATIONS	
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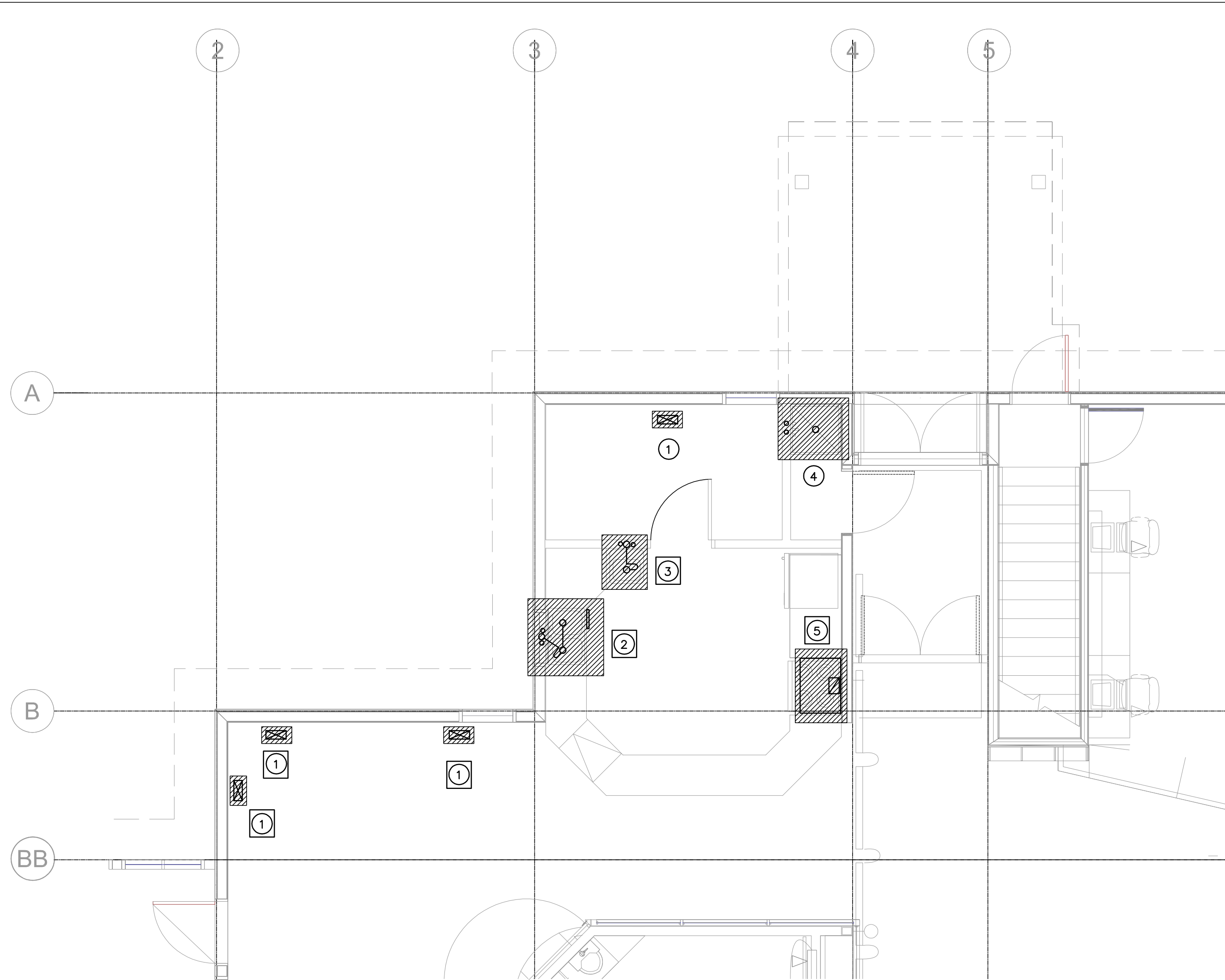
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N/A	AB	JAN.22.2015	
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle	
DS	DS	AS SHOWN	

Parks Canada Project Manager/Administrateur de Projets Parcs Canada			
Adriana Bacheschi			
Client Acceptance/Acceptation du client		Approved by/Approuvé par	
Parks Canada Responsible Officer/Agent Responsable		Parks Canada Project Manager/Administrateur de Projets	
Project No./No. du projet		Asset No./No. du bien	Sheet No./ No. de la feuille

Parcs Canada		Parcs Canada	
Project No./No. du projet		Asset No./No. du bien	
Drawing Reference No./No. de référence du dessin		A6.1	
2711 16011 - 0			



1 PARTIAL BASEMENT DEMOLITION PLAN
M-1 SCALE: 1 : 50



2 PARTIAL MAIN FLOOR DEMOLITION PLAN
M-1 SCALE: 1 : 50

CALLOUT NOTES:



- 1) REMOVE EXISTING SUPPLY FLOOR GRILLE AND OTHER ACCESSORIES.
- 2) REMOVE EXISTING KITCHEN SINK, PIPINGS, TRAP AND ALL OTHER ACCESSORIES.
- 3) REMOVE EXISTING HAND WASH SINK, PIPINGS, TRAP AND ALL OTHER ACCESSORIES.
- 4) REMOVE EXISTING MOP SINK, PIPING, TRAP AND ALL OTHER ACCESSORIES.
- 5) REMOVE EXISTING KITCHEN HOOD, EXHAUST DUCT AND ALL OTHER ACCESSORIES.
- 6) REMOVE EXISTING SUPPLY AIR DUCT, HANGER AND ALL OTHER ACCESSORIES.
- 7) REMOVE EXISTING SUPPLY AIR DUCT, SANITARY PIPING, WATER PIPING AND ALL OTHER ACCESSORIES.
- 8) REMOVE EXISTING SANITARY PIPE HANGER AND ALL OTHER ACCESSORIES.


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REV4	DATE			
REV3	DATE			
REV2	DATE			
REV1	2016FEB09	ISSUED FOR CONSTRUCTION	MG	GDS
REV-0	2016FEB05	ISSUED FOR CONSTRUCTION	MG	GDS
No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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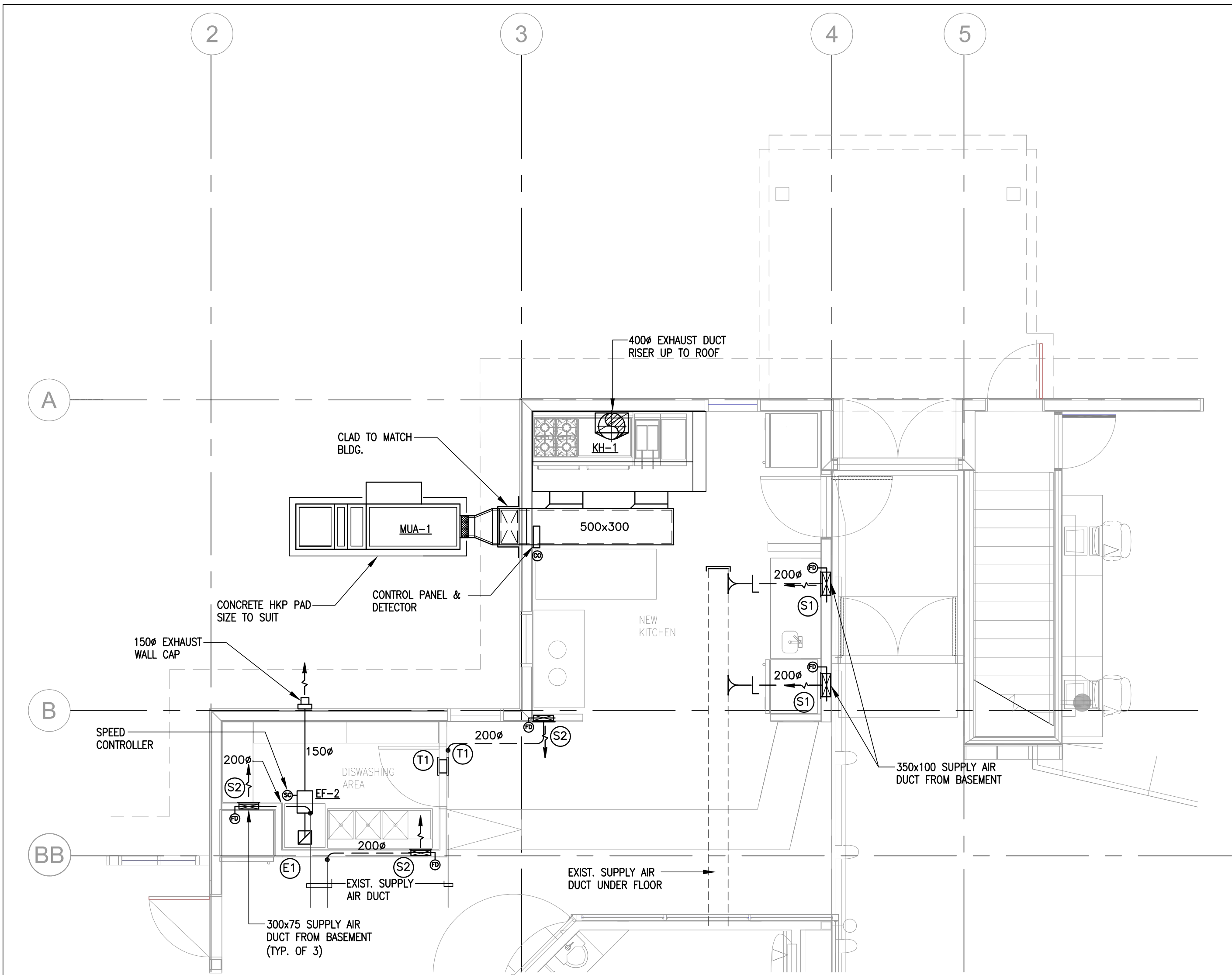
Client/client	
 Parks Canada Agency Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région

Consultant's Name Nom de l'expert-conseil	
	

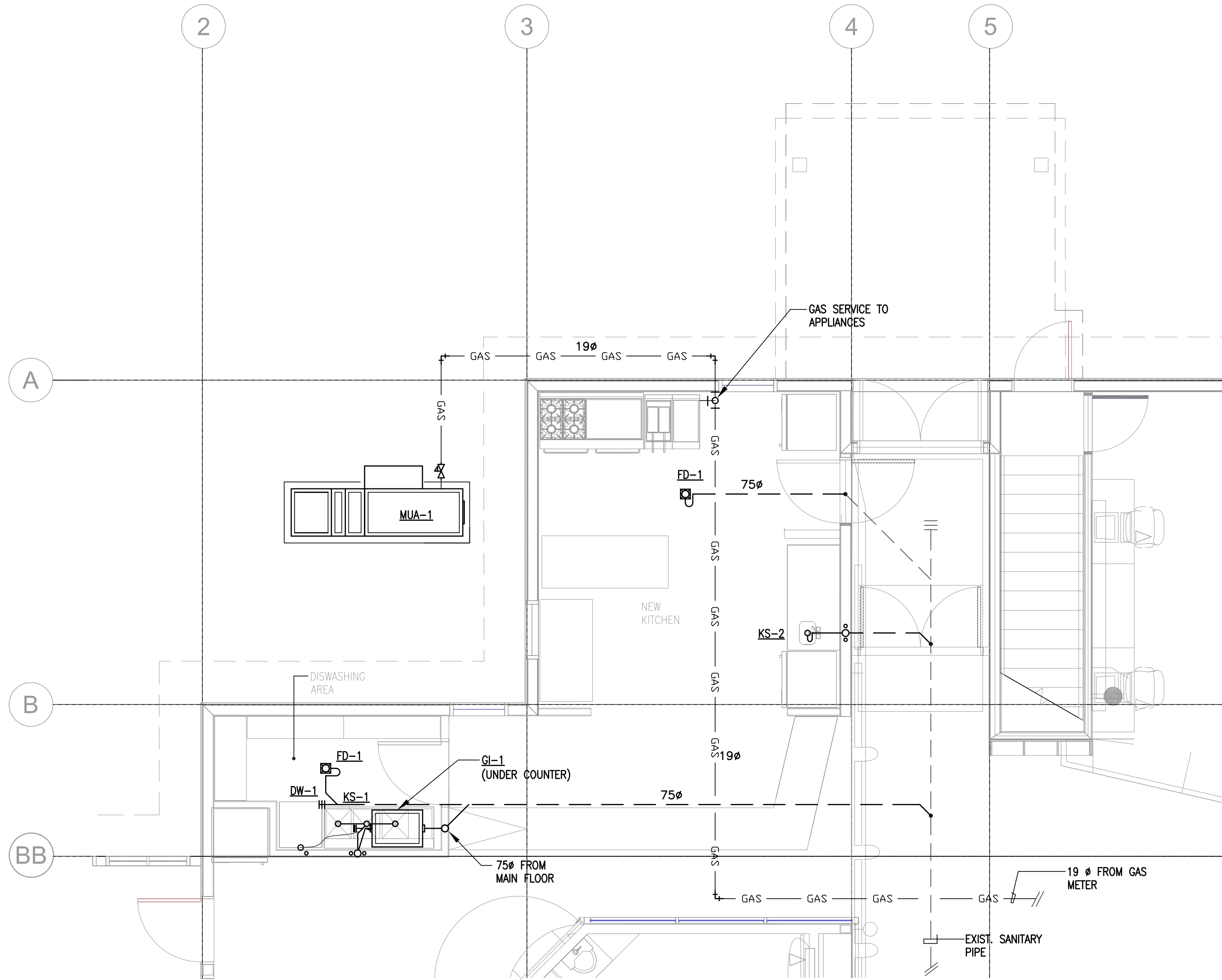
Project title/Titre du projet
MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE
NATIONAL PARK, SK

Drawing title/Titre du dessin
DEMOLITION PLANS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par MG	Date/Date 2016-FEB-05
Designed by/Concept par GDS	Reviewed by/Revisé par GDS	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada Adriana Bacheschi		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parks Canada		Parks Canada Project Manager/Administrateur de Projets Parks Canada
Project No./No. du projet 20161011	Asset No./No. du bien -----	Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16011 - 0		M-1



1 KITCHEN VENTILATION PLAN
M-2 SCALE: 1 : 50



2 KITCHEN PLUMBING PLAN
M-2 SCALE: 1 : 50

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REV4	DATE			
REV3	DATE			
REV2	DATE			
REV1	DATE			
REV-0	2016FEB05	ISSUED FOR CONSTRUCTION	MG	GDS

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision				
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Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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Client/Client	 Parks Canada Agence Western and Northern Region	L'Agence Parcs Canada Ouest et Nord Région
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Consultant's Name Nom de l'expert-conseil	 
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Project title/Titre du projet	MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE NATIONAL PARK, SK
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Drawing title/Titre du dessin	NEW KITCHEN VENTILATION AND PLUMBING PLANS
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Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	MG	2016-FEB-05
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
GDS	GDS	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada Adriana Bacheschi		Approved by/Approuvé par
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Client Acceptance/Acceptation du client	Approved by/Approuvé par
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Parks Canada Responsible Officer/Agent Responsable Parcs Canada		Parks Canada Project Manager/Administrateur de Projets Parcs Canada	
Project No./No. du projet	Asset No./No. du bien	Sheet No./ No. de la feuille	
20161011			

Drawing Reference No./No. de référence du dessin	M-2
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REV4	DATE			
REV3	DATE			
REV2	DATE			
REV1	DATE			
REV-0	2016FEB05	ISSUED FOR CONSTRUCTION	MG	GDS

No.	Date/Date	Description/Description	Drawn by Dessiné par	Approved Approuvé
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Revision / Revision				

Consultant's Stamp Sceau de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur		

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

Consultant's Name Nom de l'expert-conseil		 		
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Project title/Titre du projet				
MOTHERWELL HOMESTEAD NATIONAL HISTORIC SITE				
NATIONAL PARK, SK				

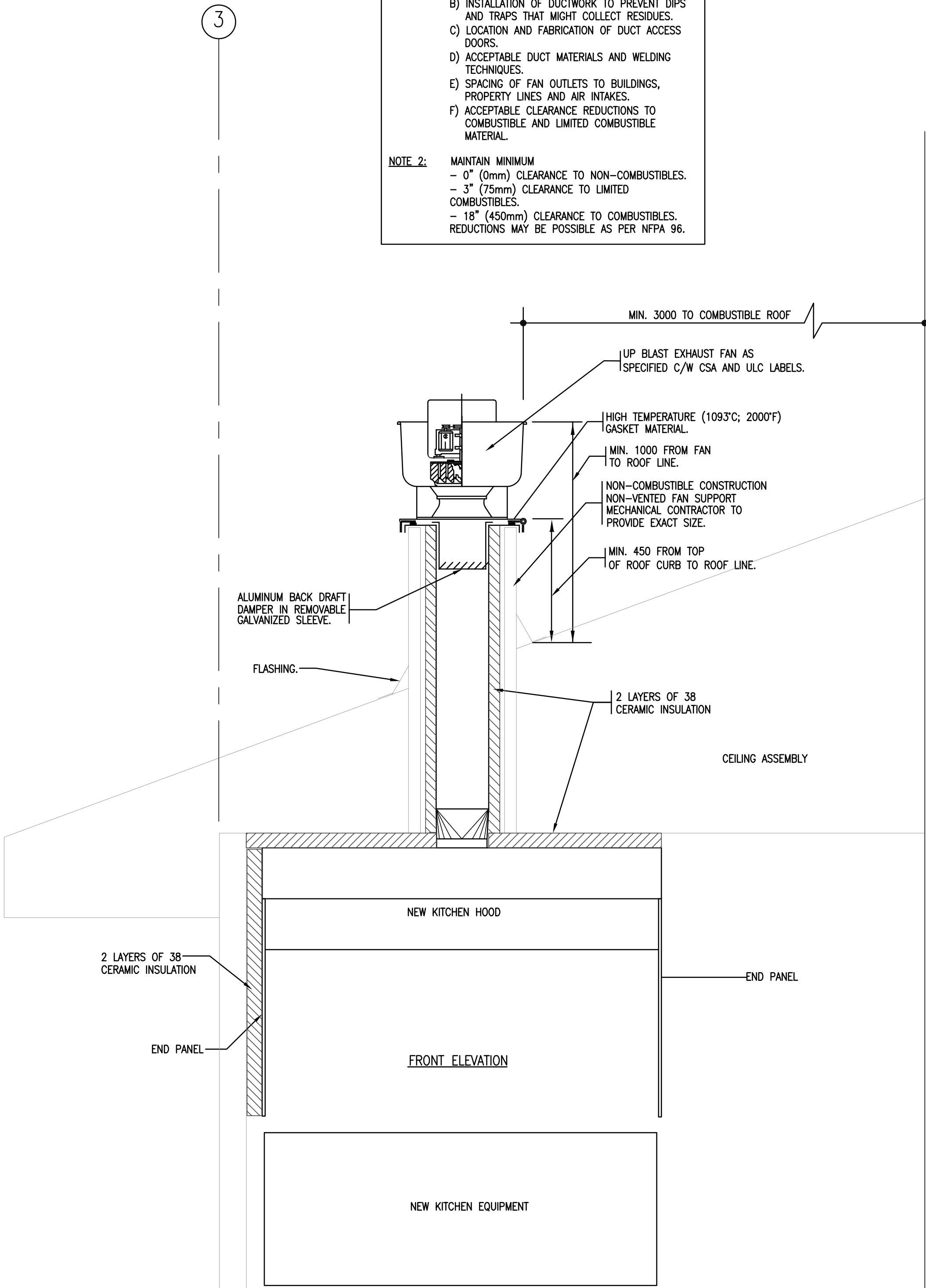
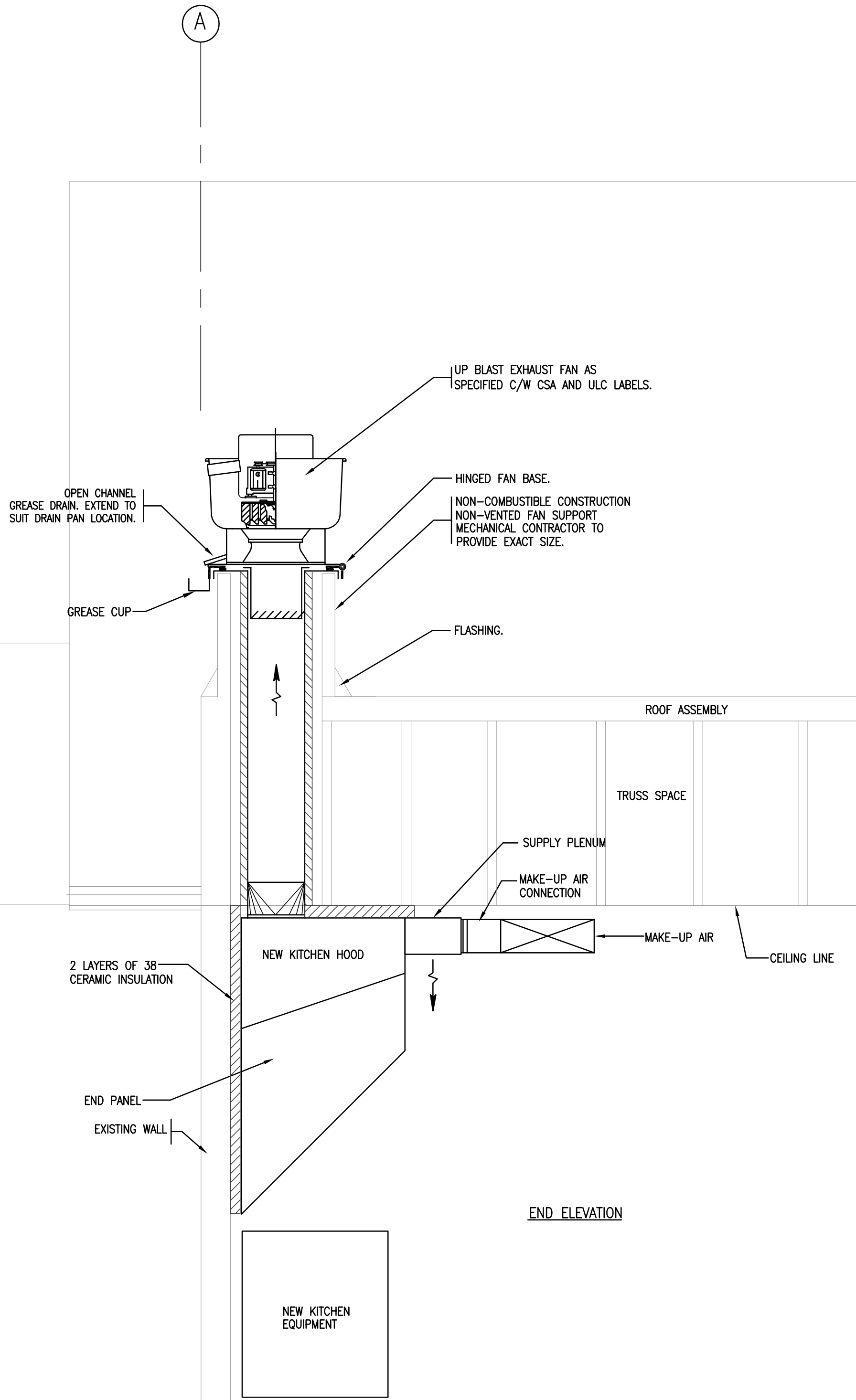
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Surveyed by/Arpenté par	Drawn by/Dessiné par	Date/Date
N/A	MG	2016-FEB-05
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
GDS	GDS	AS SHOWN

Parks Canada Project Manager/Administrateur de Projets Parcs Canada				
Adriana Bacheschi				
Client Acceptance/Acceptation du client		Approved by/Approuvé par		

Parks Canada Responsible Officer/Agent Responsable		Parks Canada Project Manager/Administrateur de Projets		
Project No./No. du projet		Asset No./No. du bien		Sheet No./ No. de la feuille
20161011				

Drawing Reference No./No. de référence du dessin		M-3
2711 16011 - 0		



- NOTE 1: CONTRACTORS MUST BE COMPLETELY FAMILIAR WITH – AND – INSTALLATION MUST CONFORM TO – NFPA 96 AND ALL LOCAL CODES, ESPECIALLY IN REGARD TO, BUT NOT LIMITED TO:
- A) DEFINITIONS OF COMBUSTIBLE, LIMITED COMBUSTIBLE AND NON-COMBUSTIBLE.
 - B) INSTALLATION OF DUCTWORK TO PREVENT DIPS AND TRAPS THAT MIGHT COLLECT RESIDUES.
 - C) LOCATION AND FABRICATION OF DUCT ACCESS DOORS.
 - D) ACCEPTABLE DUCT MATERIALS AND WELDING TECHNIQUES.
 - E) SPACING OF FAN OUTLETS TO BUILDINGS, PROPERTY LINES AND AIR INTAKES.
 - F) ACCEPTABLE CLEARANCE REDUCTIONS TO COMBUSTIBLE AND LIMITED COMBUSTIBLE MATERIAL.
- NOTE 2: MAINTAIN MINIMUM
- 0" (0mm) CLEARANCE TO NON-COMBUSTIBLES.
 - 3" (75mm) CLEARANCE TO LIMITED COMBUSTIBLES.
 - 18" (450mm) CLEARANCE TO COMBUSTIBLES.
- REDUCTIONS MAY BE POSSIBLE AS PER NFPA 96.

1 DETAIL: EXHAUST FAN AND KITCHEN CANOPY
M-3 SCALE: N.T.S.

EQUIPMENT SCHEDULE

MUA-1 MAKE-UP AIR UNIT
944 L/S AT 190 PASCAL ESP, DIRECT FIRED, NATURAL GAS, HEATING CAPACITY: 73 KW INPUT, 69 KW OUTPUT, SUITABLE FOR OUTDOOR INSTALLATION, ROOF MOUNTED, 1.5 KW, HIGH EFFICIENCY OPEN DRIP PROOF MOTOR, VOLTAGE TO SUIT, END INTAKE, END DISCHARGE, FILTER RACK WITH 50MM MERV 1 FILTERS, FULLY MODULATING DISCHARGE AIR CONTROLLER, UNIT MOUNTED DISCHARGE AIR SENSOR, REMOTE CONTROL PANEL WITH REMOTE TEMPERATURE ADJUSTMENT, INSULATED MOTORIZED INTAKE DAMPER, OUTDOOR AIR HOOD C/W BIRD SCREEN, UNIT TO CARRY CGA/UL/CSA LABELS, DOUBLE REVERSE INTERLOCKED WITH EXHAUST FAN EF-1.
ACCEPTABLE PRODUCT: ENGINEERED AIR- MODEL HE20 OR SIMILAR.

EF-1 KITCHEN CANOPY EXHAUST FAN
944 L/S AT 323 PASCAL ESP, ROOF UPBLAST CONFIGURATION, 1.1 KW, HIGH EFFICIENCY OPEN DRIP PROOF MOTOR, VOLTAGE TO SUIT, DIRECT DRIVE W/ SPEED CONTROL CENTRIFUGAL FAN, GREASE CUP, UL/C762 LISTED; DOUBLE REVERSE INTERLOCKED WITH MUA-1.
ACCEPTABLE PRODUCT: CAPTIVEAIRE MODEL DUBSHFA OR SIMILAR.
(NOTE: LOCATE SPEED CONTROL IN BASEMENT MECHANICAL ROOM.)

KH-1 KITCHEN HOOD
2400L600H EXHAUST WALL CANOPY, FACTORY INSTALLED 400# EXHAUST RISER (OFFSET TO CLEAR ROOF STRUCTURAL MEMBERS, FIELD CONFIRM), HOOD PRE-PIPED FOR FIRE PROTECTION SYSTEM, 430 SS CONSTRUCTION, WALL MOUNTED FIRE CABINET, ULC CERTIFIED STAINLESS STEEL BAFFLE FILTERS WITH HANDLES, SUPPLY AIR PLENUM C/W PERFORATED PANEL, DOWN DISCHARGE, END PANELS, 1/2 LITRE GREASE CUP; FIRE PROTECTION SYSTEM.
ACCEPTABLE PRODUCT: CAPTIVEAIRE SERIES MODEL ND-2 WITH PSP.

EF-2 EXHAUST FAN
INLINE, 70 L/S @ 62 PASCAL ESP; FRACTIONAL HP, VOLTAGE TO SUIT WITH SPEED CONTROLLER.
ACCEPTABLE PRODUCT: S&P MODEL TD-150 OR SIMILAR.

EXHAUST WALL CAP
METAL CONSTRUCTION, BIRD SCREEN, WEIGHTED BACKDRAFT DAMPER.
ACCEPTABLE PRODUCT: IMPERIAL MODEL R-2 OR SIMILAR.

CO CARBON MONOXIDE DETECTOR
CO DETECTION, WALL MOUNTED, HARD WIRED, AUX. RELAY.
ACCEPTABLE PRODUCT: KIDDE SERIES KN OR SIMILAR.

GRILLES AND DEFUSERS:
TYPE "A": E.H. PRICE MODEL 520 LOUVERED FACE SUPPLY WALL MOUNTED.
TYPE "B": E.H. PRICE TYPE 80 EGG CRATE EXHAUST AIR GRILLE, SURFACE MOUNTED.
TYPE "C": E.H. PRICE MODEL 630 LOUVERED FACE RETURN WALL MOUNTED.

FD-1 FLOOR DRAIN
150 NICKEL BRONZE STRAINER, 75 DRAIN CONNECTION, TRAP SEAL PRIMER CONNECTION.
ACCEPTABLE PRODUCT: ANCON MODEL FD-200-A OR SIMILAR.

MATERIALS AND INSULATION

THERMAL INSULATION

SUPPLY AIR DUCT LOCATED OUTDOOR

- 2" (50MM) FIBERGLAS CANADA AF-530 RFFRK RIGID FIBERGLASS INSULATION WITH VAPOR BARRIER, FLEXIBLE INSULATION MAY BE USED FOR ROUND DUCTWORK. ALL JOINTS TO BE OVERLAPPED, STAPLED AND SEALED WITH ALUMINUM JACKET.

GREASE EXHAUST DUCTS & CANOPY

- NON-COMBUSTIBLE CERAMIC FIBERS, ULC LISTED, NFPA 96 COMPLIANCE FOR 0" CLEARANCE TO COMBUSTIBLES, INSTALL TO MANUFACTURER'S RECOMMENDATIONS; FIREMASTER OR SIMILAR.

EXTERNAL INSULATION FOR SUPPLY AIR DUCTS, (HEATING), LOCATED IN INTERIOR SPACES:

- 1" (25MM) FIBERGLAS CANADA AF-530 RFFRK FLEXIBLE DUCT INSULATION WITH VAPOR BARRIER; ALL JOINTS TO BE OVERLAPPED, STAPLED AND SEALED WITH ALUMINUM TAPE.

INTERNAL ACOUSTIC INSULATION:

- 1" (25MM) FLEXIBLE ELASTOMERIC, CLOSED CELL; 25/50 RATED; IMCOA OR SIMILAR.

COLD WATER PIPING, RAIN WATER LEADERS, VENT PIPING, DRAINAGE PIPING, SYSTEMS OPERATING UNDER 60°F (15°C):

- PIPES UP TO 2" (50MM)Ø: 1/2" (13MM) PRE-FORMED, FLEXIBLE ELASTOMERIC, CLOSED CELL; PRE-SLIT, SELF STICKING JOINTS; FLAME SPREAD RATING <25, SMOKE DEVELOPED RATING <50; IMCOA OR SIMILAR.

HOT WATER PIPING, SYSTEMS OPERATING OVER 100°F (38°C) TO 180°F (83°C):

- PIPES UP TO 2" (50MM)Ø: 1/2" (13MM) PRE-FORMED, FLEXIBLE ELASTOMERIC, CLOSED CELL; PRE-SLIT, SELF STICKING JOINTS; FLAME SPREAD RATING <25, SMOKE DEVELOPED RATING <50; IMCOA OR SIMILAR, OR 1" (25MM) FIBERGLAS CANADA 850 PREFORMED PIPE INSULATION WITH ALL SERVICE JACKET; ALL JOINTS TO BE OVERLAPPED, STAPLED AND SEALED WITH ALUMINUM TAPE.

PIPE MATERIALS
DOMESTIC WATER, PLUMBING VENTING, SANITARY DRAINAGE SYSTEMS:

DRAINAGE AND VENT PIPING:
ABOVE GRADE:

- CAST IRON SOIL PIPE AND FITTINGS OR COPPER TUBE, TYPE DWV WITH SUITABLE FITTINGS
- WHERE PERMITTED BY CODE, PVC OR ABS PIPING SYSTEMS MAY BE USED AS A SUBSTITUTE MATERIAL.

DOMESTIC HOT AND COLD WATER PIPING
ABOVE GRADE UP TO 2" (50MM)Ø:

- TYPE "L" HARD COPPER WITH WROUGHT OR CAST SOLDERED TYPE FITTINGS.
- PEX-AL-PEX OR PEX CROSS LINKED POLYETHYLENE, CRIMP OR COMPRESSION FITTINGS.
- CPVC SCHEDULE 80, WITH SOLVENT WELDED SOCKET FITTINGS.

FUEL GAS PIPING
UP TO 2" (50MM) Ø:

- SCHEDULE 40 BLACK STEEL WITH BLACK MALLEABLE SCREWED FITTINGS. NORTH AMERICAN MADE PIPE ONLY

WHERE CONCEALED:

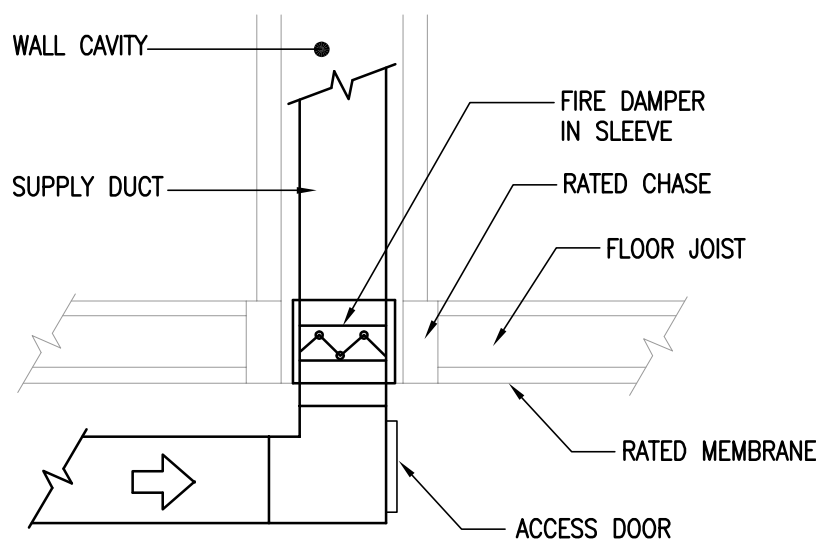
- USE WELDED FITTINGS REGARDLESS OF SIZE.

MECHANICAL PERFORMANCE SPECIFICATIONS FOR MOTHERWELL HOMESTEAD

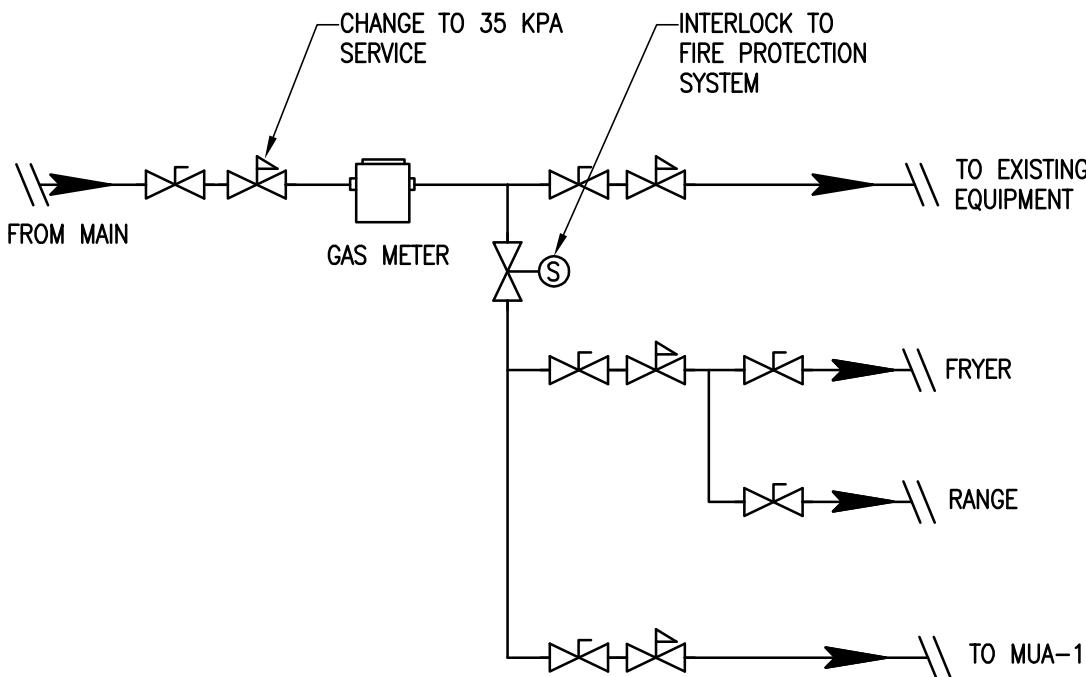
- PROVIDE ALL MATERIALS, LABOUR AND EQUIPMENT REQUIRED TO COMPLETE THE WORK AS SHOWN AND AS SPECIFIED, SO AS TO LEAVE THE OWNER WITH A COMPLETE AND FUNCTIONING SYSTEM.
- PROVIDE ALL NECESSARY NOTICES, OBTAIN ALL REQUIRED PERMITS, PAY ALL FEES REQUIRED BY LAW, AND ARRANGE FOR ALL INSPECTIONS RELATED TO THE PERFORMANCE OF THE SPECIFIED WORK.
- FURNISH CERTIFICATES CONFIRMING THAT THE WORK HAS BEEN INSTALLED TO THE SATISFACTION OF THE AUTHORITIES HAVING JURISDICTION.
- PROVIDE ELECTRONIC PDF COPIES OF SHOP DRAWINGS FOR REVIEW BY THE ENGINEER.

THE REVIEW OF THE SHOP DRAWINGS IS FOR THE SOLE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THE REVIEW SHALL NOT MEAN APPROVAL OF THE DETAILED DESIGN INHERENT IN THE EQUIPMENT, THE RESPONSIBILITY FOR WHICH SHALL REMAIN WITH THE CONTRACTOR. THE REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR CONFIRMING AND CORRELATING THE DIMENSIONS ON THE JOBSITE, AND FOR INFORMATION THAT PERTAINS TO THE FABRICATION PROCESS, CONSTRUCTION TECHNIQUES, AND INSTALLATION DETAILS, AND FOR COORDINATING ALL WORK OF THE RELATED SUB-TRADES.

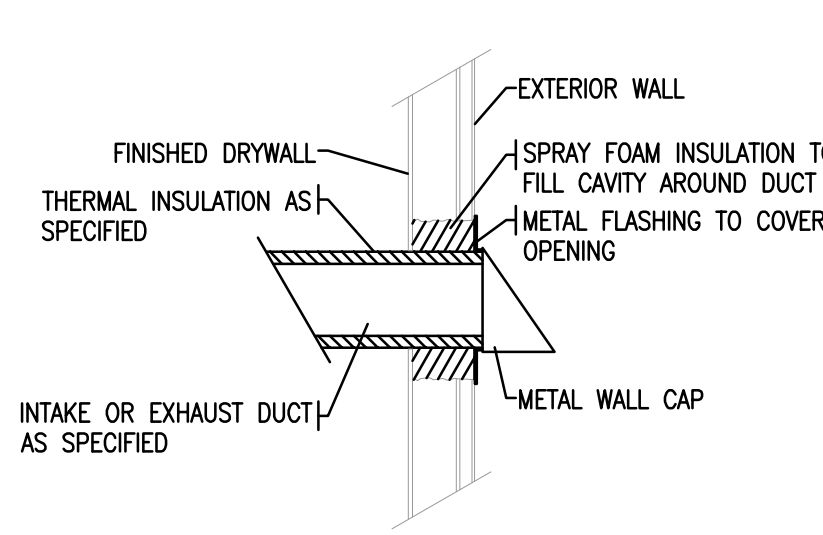
- ALL ASPECTS OF THE INSTALLATION MUST COMPLY WITH THE MOST STRINGENT OF THE APPLICABLE BUILDING CODES, LOCAL REGULATIONS, AND BY-LAWS. BEFORE PROCEEDING WITH THE WORK, OBTAIN APPROVED DRAWINGS AND SPECIFICATIONS FROM THE AUTHORITIES HAVING JURISDICTION. EXCAVATIONS MUST CONFORM TO LOCAL REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE A ONE YEAR LABOR AND MATERIAL WARRANTY ON ALL NEW EQUIPMENT AND COMPONENTS, COMMENCING UPON THE DATE OF ACCEPTANCE BY THE OWNER.
- REPLACE AT NO CHARGE TO THE OWNER, ALL ITEMS WHICH FAIL OR PROVE DEFECTIVE WITHIN A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY THE OWNER, PROVIDED THAT THE FAILURE IS NOT DUE TO IMPROPER USAGE BY THE OWNER. MAKE GOOD ALL DAMAGES INCURRED AS A RESULT OF THE FAILURE AND OF THE REPAIR OF THE SYSTEMS.
- THE LOCATION, ROUTING AND ELEVATIONS OF EXISTING SITE SERVICES AND UTILITIES AS SHOWN ON THE DRAWINGS ARE TO BE CONSIDERED AS APPROXIMATIONS ONLY. VERIFY THE EXACT LOCATIONS AND ELEVATIONS OF THE SERVICES PRIOR TO COMMENCING EXCAVATIONS. THIS CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR ANY DAMAGE TO EXISTING UTILITIES.
- IT IS RECOMMENDED THAT THE BIDDERS EXAMINE THE SITE AND THE EXISTING CONDITIONS AFFECTING THE PROJECT. EXAMINE THE COMPLETE SET OF CONTRACT DOCUMENTS TO ENSURE THAT THE WORK CAN BE CARRIED OUT WITHOUT SIGNIFICANT CHANGES TO THE INTENT OF THE DOCUMENTS. NO FUTURE ALLOWANCE WILL BE MADE FOR CHANGES UNLESS THE ENGINEER HAS BEEN NOTIFIED IN WRITING OF ANY DISCREPANCIES OR INTERFERENCES, PRIOR TO THE CLOSE OF TENDERS. NO ALLOWANCE WILL BE MADE FOR ITEMS WHICH SHOULD HAVE BEEN NOTED DURING A PRE-TENDER SITE INSPECTION.
- ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXPOSED SURFACES SHALL BE RETURNED TO AS "AS-FOUND" CONDITION ACCEPTABLE TO THE OWNER.
- NO CERTIFICATE ISSUED, PAYMENT MADE OR PARTIAL OR ENTIRE USE OF THE SYSTEMS BY THE OWNER, SHALL BE CONSTRUED AS ACCEPTANCE OF DEFECTIVE WORK OR MATERIALS.
- PROVIDE TESTING AND BALANCING SERVICES TO TEST AND BALANCE THE AIR HANDLING SYSTEMS. PROVIDE REPORTS TO THE ENGINEER FOR REVIEW.
- AT THE COMPLETION OF THE INSTALLATION, PROVIDE ONE CLEAN MARKED UP PRINTS OF THE RECORD DRAWINGS FOR RECORD PURPOSES. PROVIDE THREE SETS OF OPERATIONS AND MAINTENANCE MANUALS. PAY ALL COSTS ASSOCIATED WITH THE PRODUCTION OF THE "AS-BUILT" DRAWINGS AND THE MANUALS. SUBMIT THE DOCUMENTS TO THE ENGINEER FOR REVIEW AND MAKE ANY REQUESTED CHANGES BEFORE DELIVERING THEM TO THE OWNERS.
- REVIEW THE OPERATIONS AND MAINTENANCE OF THE MECHANICAL SYSTEMS WITH THE OWNERS MAINTENANCE PERSONNEL AND PROVIDE WRITTEN AND/OR VERBAL INSTRUCTIONS AS REQUIRED.



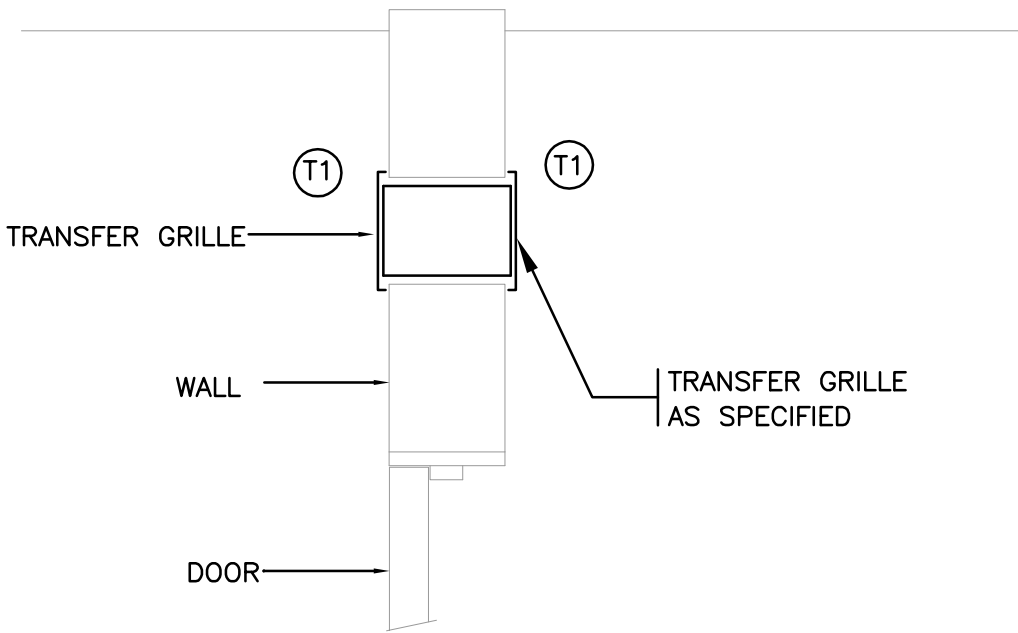
1
M-4
DETAIL: SUPPLY DUCT RISER
SCALE: N.T.S.



3
M-4
DETAIL: GAS SERVICE MODIFICATION
SCALE: N.T.S.



2
M-4
DETAIL: EXTERNAL WALL PENETRATION
SCALE: N.T.S.



4
M-4
DETAIL: TRANSFER GRILLE
SCALE: N.T.S.

GRILLE SCHEDULE

TAG	TYPE	SIZE	AIR FLOW (L/S)	REMARKS
S1	A	300x100	83	
S2	A	300x100	79	
E1	B	178x150	150	
T1	C	350x100	—	TRANSFER GRILLE

PLUMBING HOOKUP SCHEDULE

TAG	FIXTURE	DCW (mm Ø)	DHW (mm Ø)	SAN (mm Ø)	VENT (mm Ø)	GAS (MBH)	NOTES
SK-1	DROP SINK	12	12	38	32	—	1 2
KS-2	THREE COMP. KITCHEN SINK	12	12	50	38	—	1 2
DW-1	DISHWASHER	—	1/2	38	—	—	1 2 4
GI-1	GREASE INTERCEPTOR	—	—	75	50	—	2
RANGE	RANGE	—	—	—	—	396	4
FRYERS	FRYERS	—	—	—	—	122	4
FD-1	FLOOR DRAIN	—	—	3	—	—	2 3
MUA-1	MAKE-UP AIR UNIT	—	—	—	—	550	—

- NOTES:
- PROVIDE SERVICE VALVES
 - PROVIDE PLUMBING VENTS TO MEET CODE REQUIREMENTS
 - PROVIDE TRAP SEAL PRIMER
 - SELECTION BY OTHERS

DRAWING DISCLAIMER:
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REV4	DATE		
REV3	DATE		
REV2	DATE		
REV1	DATE		
REV-0	2016FEB05	ISSUED FOR CONSTRUCTION	MG GDS
No.	Date/Date	Description/Description	Drawn by Dessiné par Approved Approuvé

Revision / Revision

Consultant's Stamp Sceau de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
Client/Client	

 Parks Canada
Agency
Western and
Northern Region

L'Agence Parcs
Canada
Ouest et Nord
Région

Consultant's Name Nom de l'expert-conseil	UNIT7 ARCHITECTURE INC.
	McElhanny

Project title/Titre du projet

**MOTHERWELL HOMESTEAD
NATIONAL HISTORIC SITE**

NATIONAL PARK, SK

Drawing title/Titre du dessin

EQUIPMENT SCHEDULE, MECH.
PERFORMANCE SPECIFICATIONS
& DETAILS

Surveyed by/Arpenté par N/A	Drawn by/Dessiné par MG	Date/Date 2016-FEB-05
Designed by/Concept par GDS	Reviewed by/Revisé par GDS	Scale/Echelle AS SHOWN
Parks Canada Project Manager/Administrateur de Projets Parcs Canada Adriana Bacheschi		
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Parks Canada Responsible Officer/Agent Responsable Parks Canada		Parks Canada Project Manager/Administrateur de Projets Parks Canada
Project No./No. du projet 20161011	Asset No./No. du bien -----	Sheet No./ No. de la feuille
Drawing Reference No./No. de référence du dessin 2711 16011 - 0		M-4