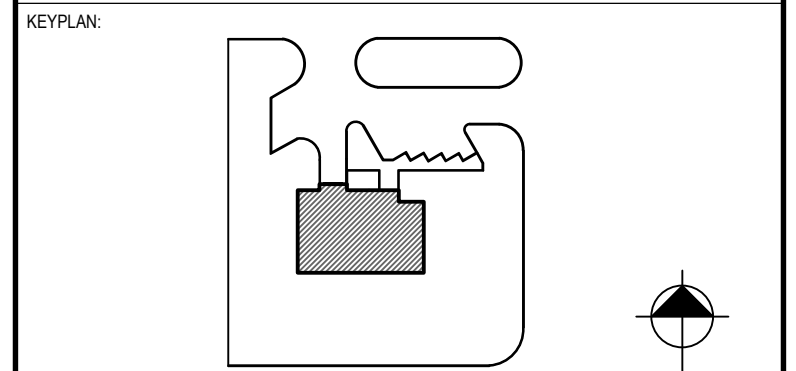


CONSULTANT - SUB-CONSULTANT:



SEAL:

	EXISTING FLOOR FINISH UPGRADE. REMOVE EXISTING FLOOR FINISH
	1 HR FRR
	2' X 4' LUMINAIRE TO BE REMOVED
	1' X 4' SURFACE MOUNTED LUMINAIRE TO BE REMOVED. REFER TO ELECT.
	RECESSED LUMINAIRE TO BE REMOVED. REFER TO ELECT.
	STRIP LIGHT TO BE REMOVED. REFER TO ELECT.
	RECESSED POT LIGHT
	SURFACE MOUNTED LUMINAIRE
	STRIP LIGHT



CLIENT REF. #  
PROJECT:  
**MANITOU RCMP DETACHMENT**  
**MANITOU, MB**

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ISSUED FOR REVISION:

NO.	DATE	DESCRIPTION
2	12/05/2017	ISSUED FOR TENDER
1	24/04/2017	ISSUED FOR REVIEW

PROJECT NO:  
149-12549-13

ORIGINAL SCALE:  
SEE NOTED

DESIGNED BY:  
--

DRAWN BY:  
MJ

CHECKED BY:  
AK

DATE: --

IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.

1"

DISCIPLINE: **ARCHITECTURE**

TITLE:  
**DRAWING LIST, GENERAL NOTES, LEGENDS & SCHEDULES**

SHEET NUMBER:  
**A100**

SHEET # 0 OF --

ISSUE:  
ISSUED FOR TENDER

DATE OF: --

RV #  
**0**

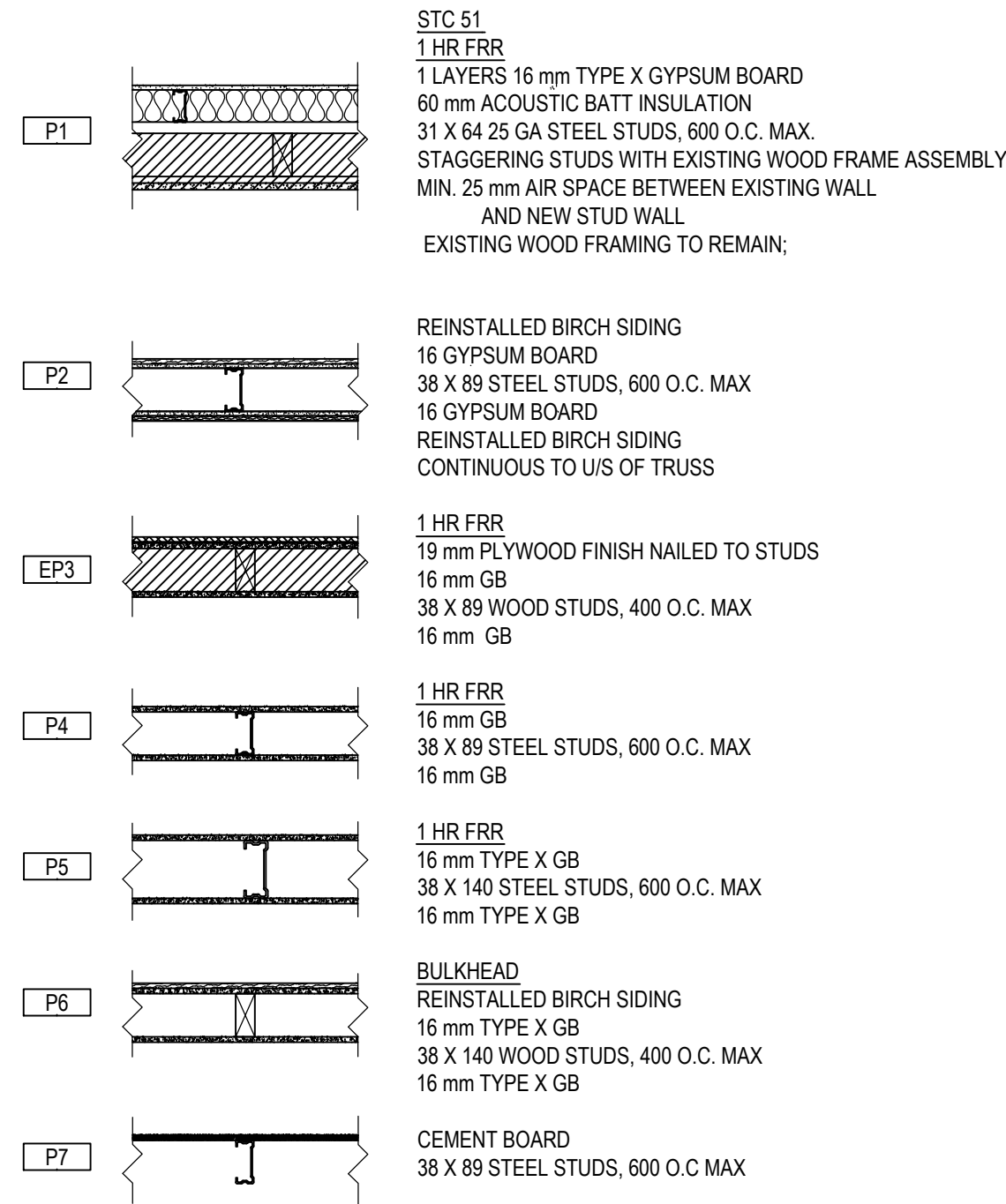
**DRAWINGS LIST:**

- A100 DRAWING LIST, GENERAL NOTES, LEGENDS & SCHEDULES
- A101 BASEMENT DEMOLITION FLOOR PLAN
- A102 GROUND FLOOR DEMOLITION PLAN
- A103 BASEMENT DEMOLITION REFLECTED CEILING PLAN
- A104 GROUND FLOOR REFLECTED CEILING PLAN
- A105 BASEMENT FLOOR PLAN
- A106 GROUND FLOOR PLAN
- A107 BASEMENT REFLECTED CEILING PLAN
- A108 GROUND FLOOR REFLECTED CEILING PLAN
- A109 INTERIOR ELEVATIONS, SECTIONS AND DETAILS
- E0.1 ELECTRICAL SYMBOLS AND ABBREVIATIONS
- E1.1 ELECTRICAL SITE PLAN
- ED2.0 BASEMENT FLOOR - DEMOLITION PLAN
- ED2.1 MAIN FLOOR - DEMOLITION PLAN
- EL2.0 BASEMENT FLOOR - LIGHTING PLAN
- EL2.1 MAIN FLOOR LIGHTING PLAN
- EP2.0 BASEMENT FLOOR - POWER PLAN
- EP2.1 MAIN FLOOR - POWER PLAN
- E6.1 ELECTRICAL SCHEDULES
- M2.1 BASEMENT - MECHANICAL DEMOLITION PLAN - MANITOU
- M2.2 MAIN FLOOR - MECHANICAL DEMOLITION PLAN - MANITOU
- M2.3 BASEMENT - MECHANICAL RENOVATION PLAN - MANITOU
- M2.4 MAIN FLOOR - MECHANICAL RENOVATION PLAN - MANITOU
- M2.5 MECHANICAL DETAIL - SCHEDULES - MANITOU

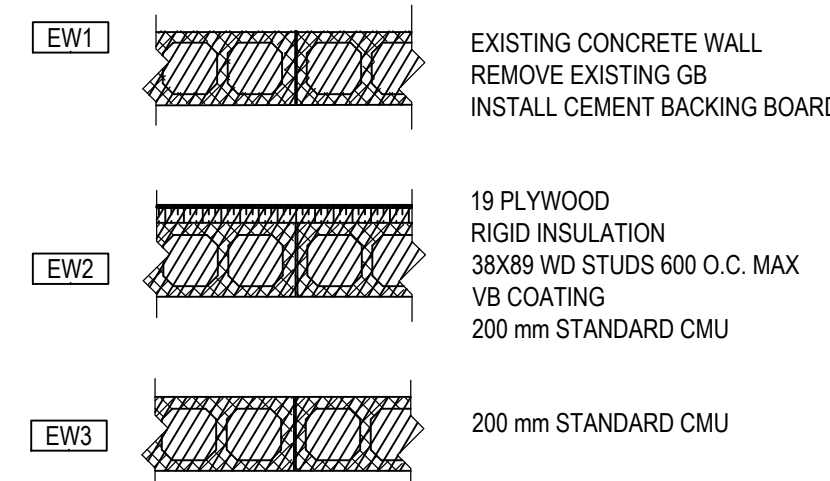
**GENERAL SHEET NOTES:**

1. THESE NOTES APPLY TO ALL PROJECT DRAWINGS
2. DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
3. DO NOT SCALE DRAWINGS, USE DIMENSIONS ONLY.
4. DIMENSIONS ON PLANS ARE TO FACE OF WALL STUDS, CONCRETE, CMU OR TO THE C OF STRUCTURAL GRIDS, UNLESS OTHERWISE NOTED.
5. DIMENSIONS FOR EXISTING ELEMENTS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OR CONSTRUCTION.
6. ALL DIMENSIONS AND EXISTING CONDITIONS TO BE VERIFIED BY GC PRIOR TO CONSTRUCTION COMMENCEMENT.
7. WHERE NEW DOUBLE WALLS ARE CONSTRUCTED, PATCH ALL HOLES IN EXISTING GYPSUM BOARD AND MAKE FLUSH WITH EXISTING. SEALING JOINTS WITH ACOUSTIC SEALANT.
8. ALL INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF FINISH, GRID LINES, OR FACE OF CONCRETE, UNLESS OTHERWISE NOTED.
9. SEAL ALL PENETRATIONS THROUGH FULL HEIGHT PARTITIONS. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS. PROVIDE FIRE DAMPERS AS REQUIRED FOR ALL PENETRATIONS.
10. PATCH AND MAKE GOOD ALL FLOORS, WALLS AND CEILINGS AFFECTED BY SELECTIVE DEMOLITION.
11. RETURN ALL REMOVED DOORS, LUMINAIRES, EQUIPMENT & CLADDING TO OWNER.
12. ALL PARTITION WALLS TO U/S OF STRUCTURE UNLESS OTHERWISE NOTED.
13. CONTRACTOR MAY CHOOSE TO USE EITHER WOOD OR STEEL STUDS.
14. INFILL ANY PENETRATIONS LEFT BY THE REMOVAL OF MECHANICAL EQUIPMENT.

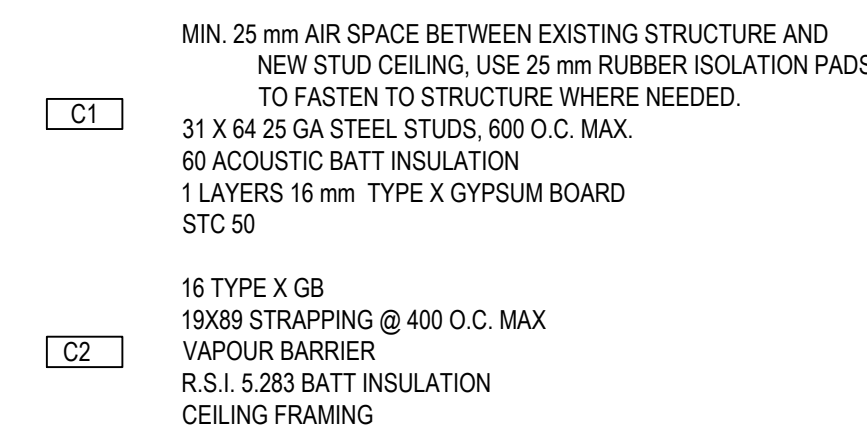
**PARTITION TYPES:**



**WALL TYPES:**



**CEILING TYPES:**



DOOR NO.	MAT	TYPE	FIN	C	SIZE (W x H x T)	FRAME				HDWE CODE	LABEL	NOTES
						MAT	PRO	ELEV	FIN			
1-01A	HM	A	P		915 X 2135 X 45	HM		A	P			
1-01B	HMI	A	P		915 X 2135 X 45	HMI		A	P			
1-10A	HM	A	P		915 X 2135 X 45	HM		A	P			1 HR FRR
1-11A	HM	A	P		915 X 2135 X 45	HM		A	P			STC 51
B-03	HM	A	P		850 X 2135 X 45	HM		A	P			
B-04	HM	A	P		850 X 2135 X 45	HM		A	P			

ROOM NO.	NAME	FLOOR				WALLS NORTH				EAST				SOUTH				WEST				CEILING				NOTES
		MAT	C	BASE		MAT	FIN	C		MAT	FIN	C		MAT	FIN	C		MAT	FIN	C		MAT	FIN	C	HT	
1-01	VESTIBULE	RSF		WB	WD	-		WD	-		WD	-		WD	-		WD	-		WD	-		GWB	P		
1-02	PUBLIC RECEPTION	RSF		RB	GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		ACT			
1-03	OFFICE	EX-RSF		RB	GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		EX-ACT			
1-04	GENERAL OFFICE	RSF		RB	GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		EX-ACT	-		
1-05	OFFICE	EX-RSF		RB	GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		EX-ACT			
1-06	OFFICE	RSF		RB	-			GWB	P		GWB	P		GWB	P		GWB	P		GWB	P		EX-ACT			
1-07	CORRIDOR	RSF		RB	EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		
1-08	STAIRWAY	RSF		RB	EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		EX-GWB	P		
1-09	MONITOR RM.	EX-RSF		RB	EX	P		EX	P		EX	P		EX	P		EX	P		EX	P		EX-ACT	-		
1-11	SECURE INT. RM.	RSF		RB	GWB	P		GWB	P		GWB	P		EX-CMU	P		GWB	P		GWB	P		GWB	P		
1-12	CORRIDOR	RSF		RB	-	P		-	P		-	P		-	P		-	P		-	P		EX-ACT	-		
B-03	SHOWER ROOM	ASRF		RB	CBB	P		CBB	P		CBB	P		CBB	P		MGB	P		MGB	P		MGB	P		
B-04	WASHROOM	ASRB		RB	MGB	P		MGB	P		MGB	P		MGB	P		MGB	P		MGB	P		MGB	P		
B-05	LOCKER ROOM	EX-CONC.		RB	EX-GWB	P		GWB	P		-	-		GWB	P		GWB	P		GWB	P		EXP.	P		

**FLOOR**  
RSF - RESILIENT SHEET FLOORING  
CONC - CONCRETE  
CONC(P) - PAINTED CONCRETE  
ASRF - ANTI-SLIP RESILIENT SHEET FLOORING  
EX - EXISTING

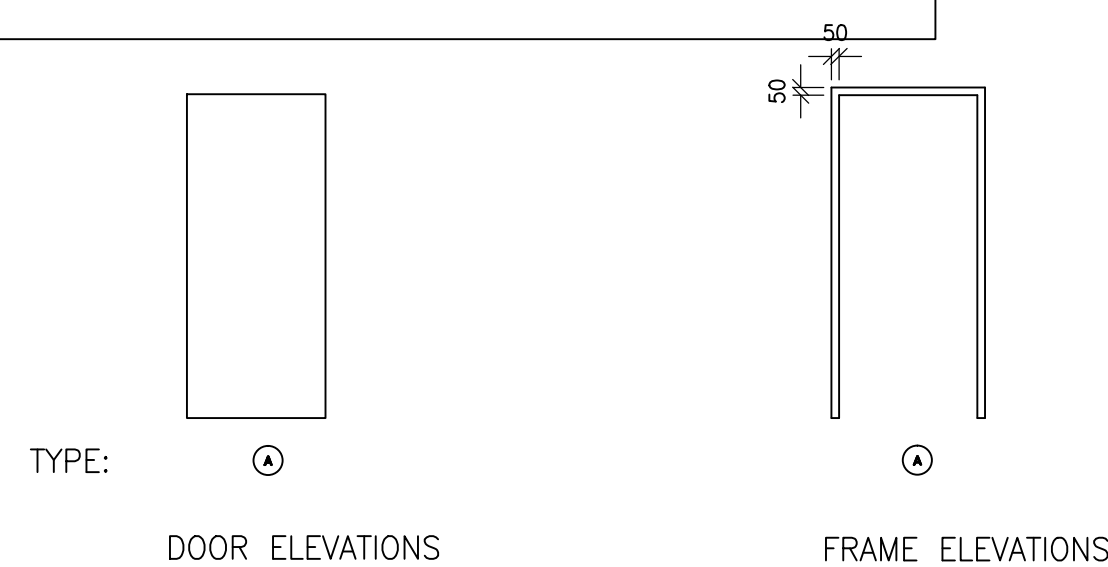
**BASE**  
WB - WOOD BASE  
RB - RUBBER BASE

**WALLS**  
GWB - GYPSUM WALL BOARD  
MGB - MOISTURE RESISTANT GB  
WD - WOOD SIDING  
CMU - CONCRETE MASONRY UNIT  
CBB - CEMENT BACKING BOARD  
EX - EXISTING

**FINISHES**  
P - PAINTED

**DOORS**  
HM - HOLLOW METAL  
HMI - HOLLOW METAL INSULATED

**CEILING**  
ACT - ACOUSTIC CEILING TILE  
EX - EXISTING





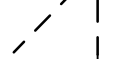

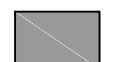

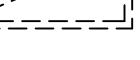
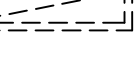
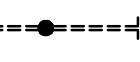
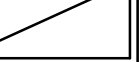
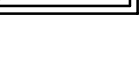






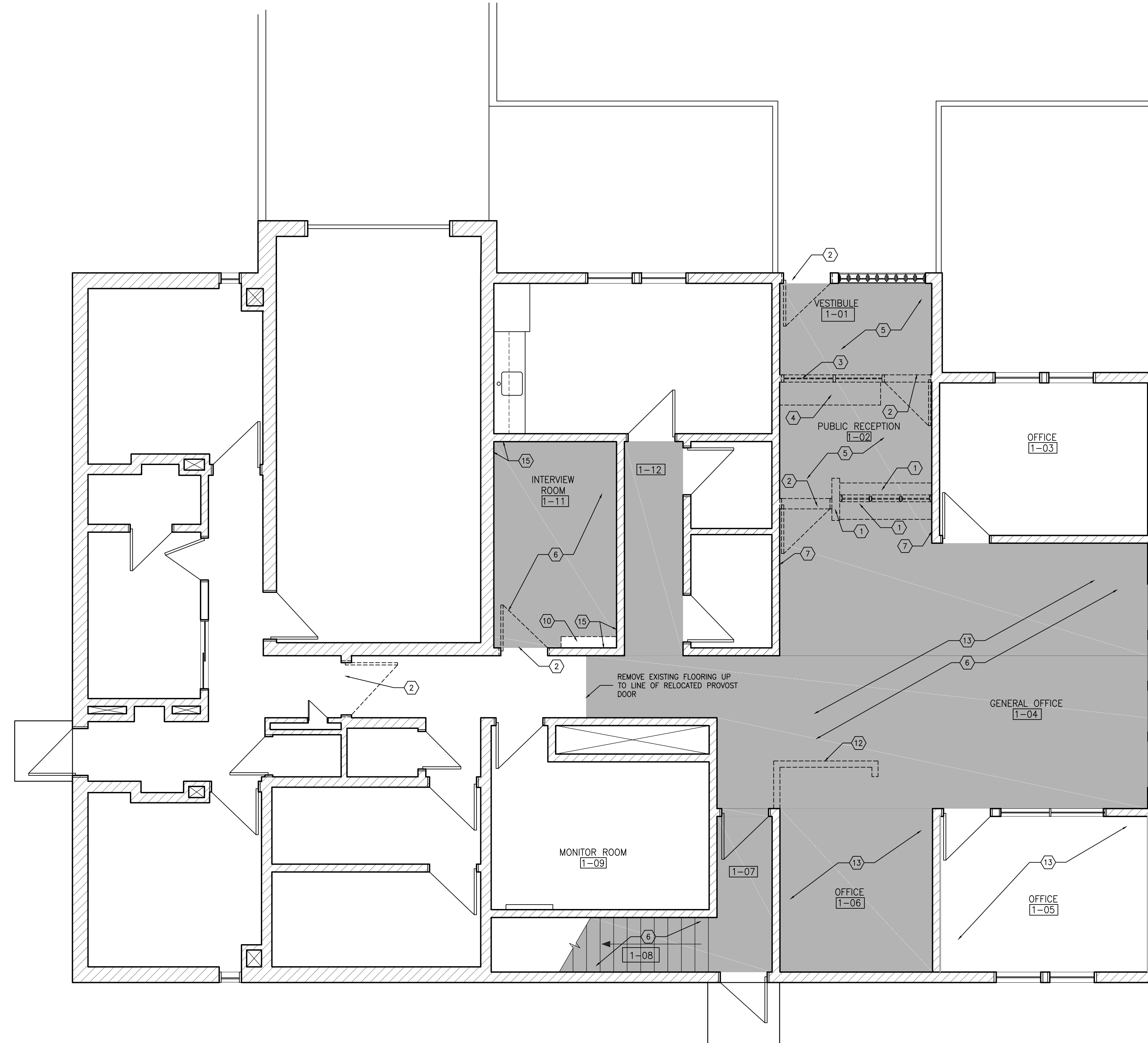
**DEMO KEYNOTES:**

FOR ALL DEMOLITION DRAWING.  
ALL NOTES MAY NOT APPLY ON ALL PAGES.

1. REMOVE EXISTING COUNTER BARRIER INCLUDING ALL GLAZING, COUNTERS, CABINETS AND WOOD STUD PARTITION. RETAIN ALL BIRCH SIDING FOR REINSTALL.
2. REMOVE EXISTING DOOR & FRAME.
3. REMOVE INTERIOR GLAZING PARTITION. PATCH AND MAKE GOOD WALLS AND CEILING AS REQUIRED.
4. REMOVE FLOOR MOUNTED BENCH.
5. REMOVE EXISTING FLOOR TILE.
6. REMOVE EXISTING FLOOR FINISH AND WALL BASE IN RMS 1-04, 1-11, 1-09, AND AT STAIRS.
7. REMOVE EXISTING WALL MOUNTED BIRCH SIDING UP TO SECURITY BARRIER. RETAIN FOR REINSTALLATION.
8. REMOVE SECURITY BARRIER BULKHEAD, LAY IN EGG CRATE LUMINAIRE AND DOOR HEADER. RETURN LUMINAIRE TO CLIENT. RETAIN BIRCH SIDING FOR REINSTALLATION. PATCH AND MAKE GOOD GB CEILING.
9. REMOVE ACT CEILING.
10. REMOVE PARTIAL BUILD OUT AND ALL DECOMMISSIONED PIPES.
11. EXISTING ACT TO REMAIN, MODIFY AS REQUIRED AT PUBLIC RECEPTION.
12. REMOVE PARTIAL HEIGHT PARTITION.
13. REMOVE ALL BASE BOARDS AND DOOR AND WINDOW TRIM IN PREPARATION FOR NEW GB, IN RM. 1-03, 1-04, 1-05 & 1-06.
14. PROVIDE TRENCH IN EXISTING FLOOR SLAB AS REQ'D FOR NEW PLUMBING. PATCH AND REPAIR CONCRETE FLOOR AS REQUIRED.
15. REMOVE GB, EXISTING WALL ASSEMBLY TO REMAIN.
16. EXISTING FURNACE TO REMAIN.

**LEGEND:**

-  EXISTING PARTITION
-  EXISTING DOOR TO REMAIN
-  EXISTING DOOR TO BE DEMOLISHED
-  GB CEILING
-  TO BE REMOVED
-  EXTENTS OF FLOOR FINISH UPGRADE. REMOVE EXISTING FLOOR FINISH
-  1 HR FRR
-  2' X 4' LUMINAIRE TO BE REMOVED
-  1' X 4' SURFACE MOUNTED LUMINAIRE TO BE REMOVED. REFER TO ELECT.
-  RECESSED LUMINAIRE TO BE REMOVED. REFER TO ELECT.
-  STRIP LIGHT TO BE REMOVED. REFER TO ELECT.
-  RECESSED LUMINAIRE
-  SURFACE MOUNTED LUMINAIRE
-  RECESSED POT LIGHT
-  STRIP LIGHT



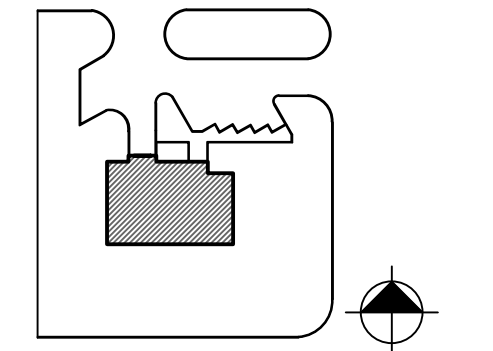
**1 GROUND FLOOR DEMO PLAN**  
A102 A102 1:50

1600 BUFFALO PLACE  
WINNIPEG, MANITOBA, R3T 6B8  
TEL: 204-477-1260 | FAX: 204-477-6346 | architecture49.com

CONSULTANT - SUB-CONSULTANT:



KEYPLAN:



SEAL:

CLIENT:



CLIENT REF. #

PROJECT:

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**MANITOU, MB**

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1	24/04/2017	ISSUED FOR REVIEW

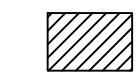

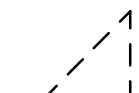
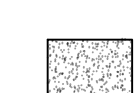
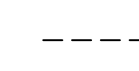

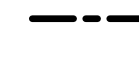
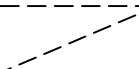

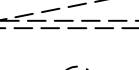
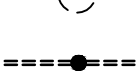
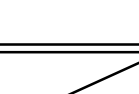

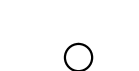

PROJECT NO:	149-12549-13	DATE:	--
ORIGINAL SCALE:	SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.	
DESIGNED BY:	--		
DRAWN BY:	MJ		
CHECKED BY:	AK		
DISCIPLINE:	ARCHITECTURE		
TITLE:	GROUND FLOOR DEMOLITION PLAN		
SHEET NUMBER:	A102		
SHEET #:	1	OF	--
ISSUE:	1	OF	--
ISSUED FOR TENDER:			0
DATE OF:			

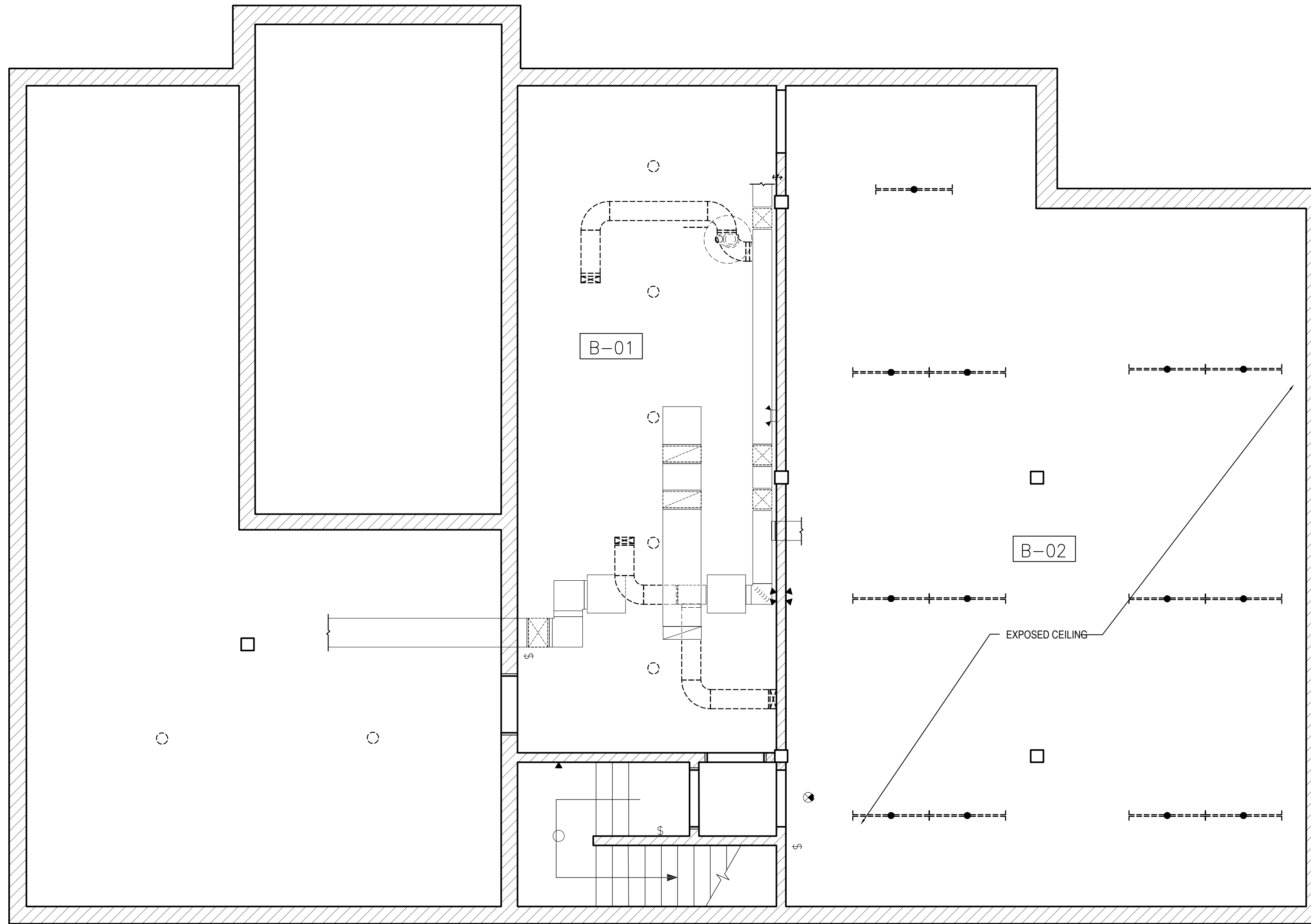
**DEMO KEYNOTES:**

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ALL NOTES MAY NOT APPLY ON ALL PAGES

1. REMOVE EXISTING COUNTER BARRIER INCLUDING ALL GLAZING, COUNTERTOPS, CABINETS AND WOOD STUD PARTITION. RETAIN ALL BIRCH SIDING FOR REINSTALL.
2. REMOVE EXISTING DOOR & FRAME.
3. REMOVE INTERIOR GLAZING PARTITION. PATCH AND MAKE GOOD WALLS AND CEILING AS REQUIRED.
4. REMOVE FLOOR MOUNTED BENCH.
5. REMOVE EXISTING FLOOR TILE.
6. REMOVE EXISTING FLOOR FINISH AND WALL BASE IN RMS 1-04, 1-11, 1-09, AND AT STAIRS.
7. REMOVE EXISTING WALL MOUNTED BIRCH SIDING UP TO SECURITY BARRIER. RETAIN FOR REINSTALLATION.
8. REMOVE SECURITY BARRIER BULKHEAD. LAY IN EGG CRATE. LUMINAIRE AND DOOR HEADER. RETURN LUMINAIRE TO CLIENT. RETAIN BIRCH SIDING FOR REINSTALLATION. PATCH AND MAKE GOOD GB CEILING.
9. REMOVE ACT CEILING.
10. REMOVE PARTIAL BUILD OUT AND ALL DECOMMISSIONED PIPES.
11. EXISTING ACT TO REMAIN, MODIFY AS REQUIRED AT PUBLIC RECEPTION.
12. REMOVE PARTIAL HEIGHT PARTITION.
13. REMOVE ALL BASE BOARDS AND DOOR AND WINDOW TRIM IN PREPARATION FOR NEW GB. IN RM. 1-03, 1-04, 1-05 & 1-06.
14. PROVIDE TRENCH IN EXISTING FLOOR SLAB AS REQ'D FOR NEW PLUMBING. PATCH AND REPAIR CONCRETE FLOOR AS REQUIRED.
15. REMOVE GB. EXISTING WALL ASSEMBLY TO REMAIN.
16. EXISTING FURNACE TO REMAIN.

**LEGEND:**

-  EXISTING PARTITION
-  EXISTING DOOR TO REMAIN
-  EXISTING DOOR TO BE DEMOLISHED
-  GB CEILING
-  TO BE REMOVED
-  EXTENTS OF FLOOR FINISH UPGRADE. REMOVE EXISTING FLOOR FINISH
-  1 HR FRR
-  2' X 4' LUMINAIRE TO BE REMOVED
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-  STRIP LIGHT TO BE REMOVED. REFER TO ELECT.
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-  SURFACE MOUNTED LUMINAIRE
-  RECESSED POT LIGHT
-  STRIP LIGHT

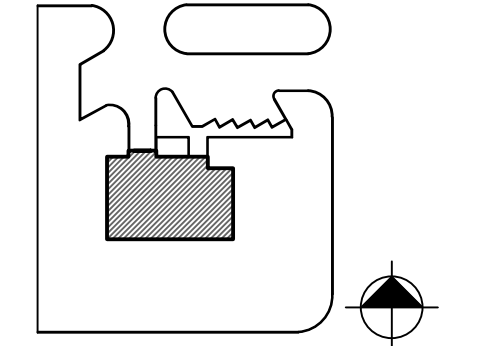


**1 BASEMENT DEMO RCP**  
A103 | A103 1:50

CONSULTANT - SUB-CONSULTANT:



KEYPLAN:



SEAL:

CLIENT:



CLIENT REF. #

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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1	24/04/2017	ISSUED FOR REVIEW

NO.	RV.	DATE	DESCRIPTION
2		12/05/2017	ISSUED FOR TENDER
1		24/04/2017	ISSUED FOR REVIEW

PROJECT NO: 149-12549-13 DATE: --

ORIGINAL SCALE: SEE NOTED IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.

DESIGNED BY: --

DRAWN BY: MJ

CHECKED BY: AK

DISCIPLINE: ARCHITECTURE

TITLE: BASEMENT DEMOLITION REFLECTED CEILING PLAN

SHEET NUMBER: A103

SHEET # 1 OF --

ISSUE: 1

ISSUED FOR TENDER

DATE OF: 0

**DEMO KEYNOTES:**

FOR ALL DEMOLITION DRAWING.  
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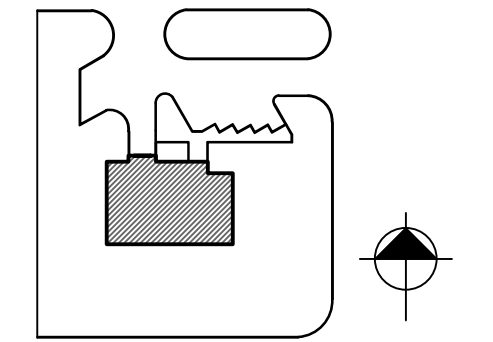
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2. REMOVE EXISTING DOOR & FRAME.
3. REMOVE INTERIOR GLAZING PARTITION. PATCH AND MAKE GOOD WALLS AND CEILING AS REQUIRED.
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11. EXISTING ACT TO REMAIN, MODIFY AS REQUIRED AT PUBLIC RECEPTION.
12. REMOVE PARTIAL HEIGHT PARTITION.
13. REMOVE ALL BASE BOARDS AND DOOR AND WINDOW TRIM IN PREPARATION FOR NEW GB, IN RM. 1-03, 1-04, 1-05 & 1-06.
14. PROVIDE TRENCH IN EXISTING FLOOR SLAB AS REQ'D FOR NEW PLUMBING. PATCH AND REPAIR CONCRETE FLOOR AS REQUIRED.
15. REMOVE GB, EXISTING WALL ASSEMBLY TO REMAIN.
16. EXISTING FURNACE TO REMAIN.

1600 BUFFALO PLACE  
WINNIPEG, MANITOBA, R3T 6B8  
TEL: 204-477-1260 | FAX: 204-477-6346 | architecture49.com

CONSULTANT - SUB-CONSULTANT:



KEYPLAN:



SEAL:

CLIENT:



CLIENT REF. #

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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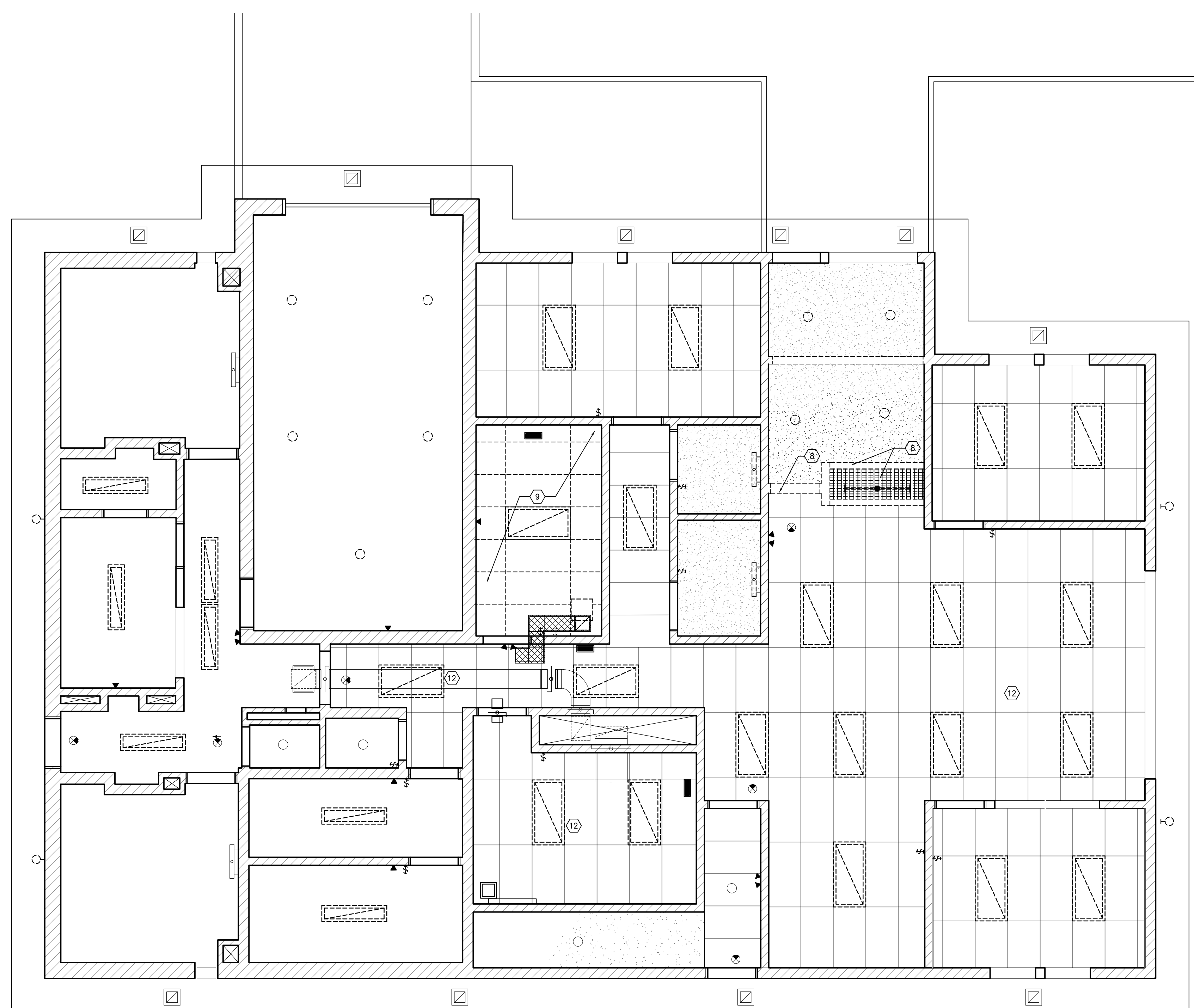
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ISSUED FOR - REVISION:

IS.	RV.	DATE	DESCRIPTION
2		12/05/2017	ISSUED FOR TENDER
1		24/04/2017	ISSUED FOR REVIEW

PROJECT NO:	149-12549-13	DATE:	--
ORIGINAL SCALE:	SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.	
DESIGNED BY:	--		
DRAWN BY:	MJ		
CHECKED BY:	AK		

DISCIPLINE:	<b>ARCHITECTURE</b>
TITLE:	<b>GROUND FLOOR DEMOLITION REFLECTED CEILING PLAN</b>
SHEET NUMBER:	<b>A104</b>
SHEET #:	1 OF --
ISSUE:	1
ISSUED FOR TENDER:	0
DATE OF:	



**LEGEND:**

- EXISTING PARTITION
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE DEMOLISHED
- GB CEILING
- TO BE REMOVED
- EXTENTS OF FLOOR FINISH UPGRADE. REMOVE EXISTING FLOOR FINISH
- 1 HR FRR
- 2 X 4' LUMINAIRE TO BE REMOVED
- 1' X 4' SURFACE MOUNTED LUMINAIRE TO BE REMOVED REFER TO ELECT.
- RECESSED LUMINAIRE TO BE REMOVED. REFER TO ELE
- STRIP LIGHT TO BE REMOVED. REFER TO ELECT.
- RECESSED LUMINAIRE
- SURFACE MOUNTED LUMINAIRE
- RECESSED POT LIGHT
- STRIP LIGHT

**1** GROUND FLOOR DEMO RCP  
A104 | A104 1:50



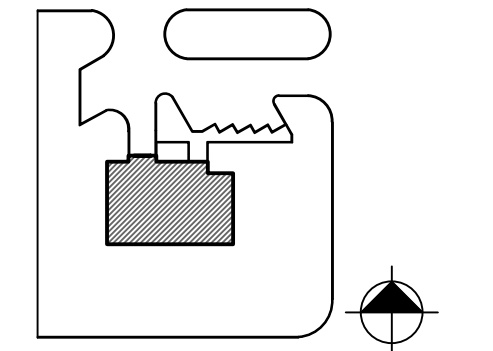
**CONSTRUCTION KEYNOTES:**

1. SECURITY BARRIER, COUNTER & CABINETS, CW REINSTALLED BIRCH SIDING.
2. PUSH BUTTON DOOR OPENER.
3. PROVIDE DOOR & FRAME.
4. SECURITY BARRIER BULKHEAD, CONTINUOUS TO U/S OF STRUCTURE, CW REINSTALLED BIRCH SIDING.
5. CONTINUE ACT. ALONG EXISTING GRID TO RELOCATED SECURITY BARRIER BULKHEAD.
6. PROVIDE SHEET FLOORING AND RUBBER WALL BASE WITHIN FLOORING UPGRADE EXTENTS.
7. PROVIDE ELECTRO MECHANICAL HOLD OPEN DEVICE
8. PATCH AND REPAIR GB CEILING.
9. PROVIDE STC 51 GB CEILING.
10. PATCH AND MAKE GOOD BIRCH SIDING.
11. REPLACE GB WHERE BIRCH SIDING WAS REMOVED.
12. RUBBER WALL BASE.
13. SOLID BIRCH WALL BASE.
14. SPEAKER PORT.
15. SLIDING PANEL CW KEYLESS SLAM SHUT LOCKING DEVICE & RECESSED HANDLE.
16. REINSTALLED BIRCH SIDING.
17. CONCRETE INFILL AT EXISTING SLAB DEPRESSION.
18. INFILL DOORWAY WITH TO MATCH EXISTING.
19. LOCKERS, NOT IN CONTRACT.
20. BENCH & SUPPORTS
21. WATER FOUNTAIN WITH BOTTLE FILLER.
22. ACRYLIC SHOWER BASE & 3 SIDE SURROUND
23. MIRROR.
24. HOOKS.
25. PLUMBING BUILD OUT.
26. FLOOR DRAIN.
27. PROVIDE 16 GB ON TOP OF EXISTING GB AND WALL FINISH. PROVIDE BASEBOARDS, WINDOW & DOOR TRIM. TRIM NEW GB TO EXISTING WINDOWS & DOOR TRIM W/ TEAR AWAY BEAD.
28. EXISTING HOSE CABINET.
29. FAX MACHINE/PRINTER, NOT IN CONTRACT.
30. PAINT EXPOSED PIPING AND SUPPORTS AT B-03, B-04, B-05.
31. EXHAUST FAN.
32. SURFACE MOUNT HAND DRYER.
33. PROVIDE CABINET AND COUNTERTOP.
34. PROVIDE MAIL SLOTS.
35. 38 X 89 WD STUD PARTITION, CONTINUOUS TO U/S OF STRUCTURE.
36. SWIPE CARD ACCESS FOR O.H. DOOR.
37. PATCH & MAKE GOOD WALL WHERE FIRE DAMPER WAS REMOVED.
38. -
39. INSTALL NEW STAINLESS STEEL KICK ON EXISTING DOOR, BOTH SIDES.
40. TOILET PAPER DISPENSER.

CONSULTANT - SUB-CONSULTANT:



KEYPLAN:



SEAL:

CLIENT:



CLIENT REF. #

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

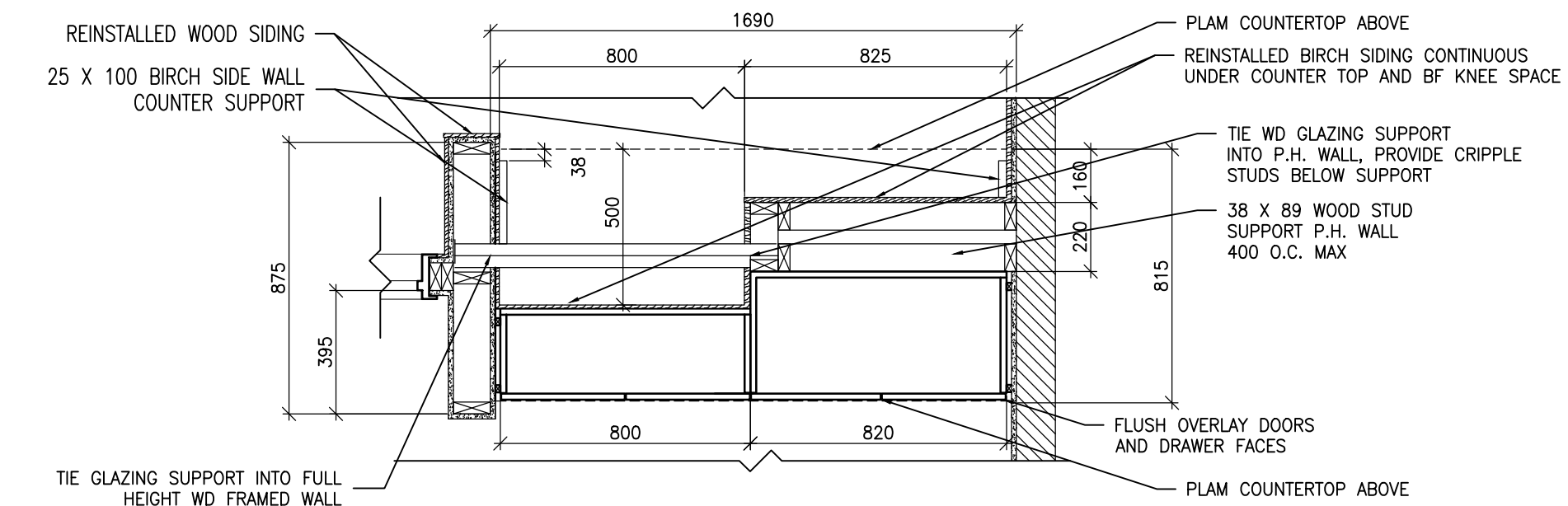
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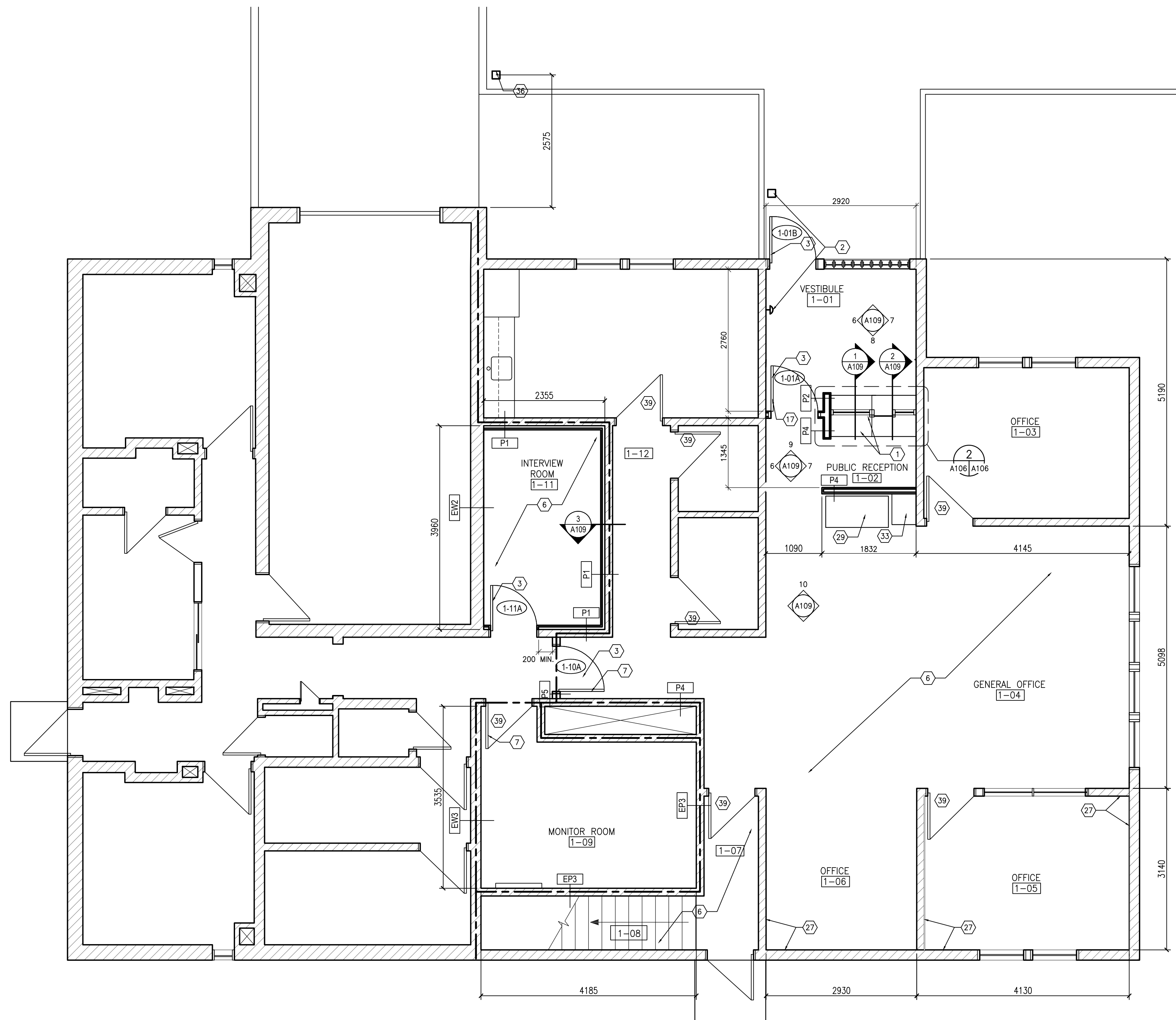
ISSUED FOR - REVISION:

IS.	RV.	DATE	DESCRIPTION
2		12/05/2017	ISSUED FOR TENDER
1		24/04/2017	ISSUED FOR REVIEW

PROJECT NO:	149-12549-13	DATE:	--
ORIGINAL SCALE:	SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.	
DESIGNED BY:	MJ		
DRAWN BY:	MJ		
CHECKED BY:	AK		
DISCIPLINE:	ARCHITECTURE		
TITLE:	GROUND FLOOR PLAN		
SHEET NUMBER:	A106		
SHEET #:	1	OF	--
ISSUE:	1	OF	--
ISSUED FOR TENDER:			0
DATE OF:			



**2 SECURITY BARRIER PLAN**  
A106 A106 1:20



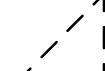

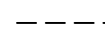


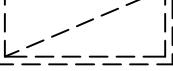
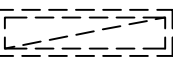


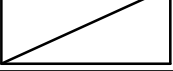
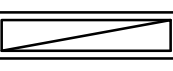




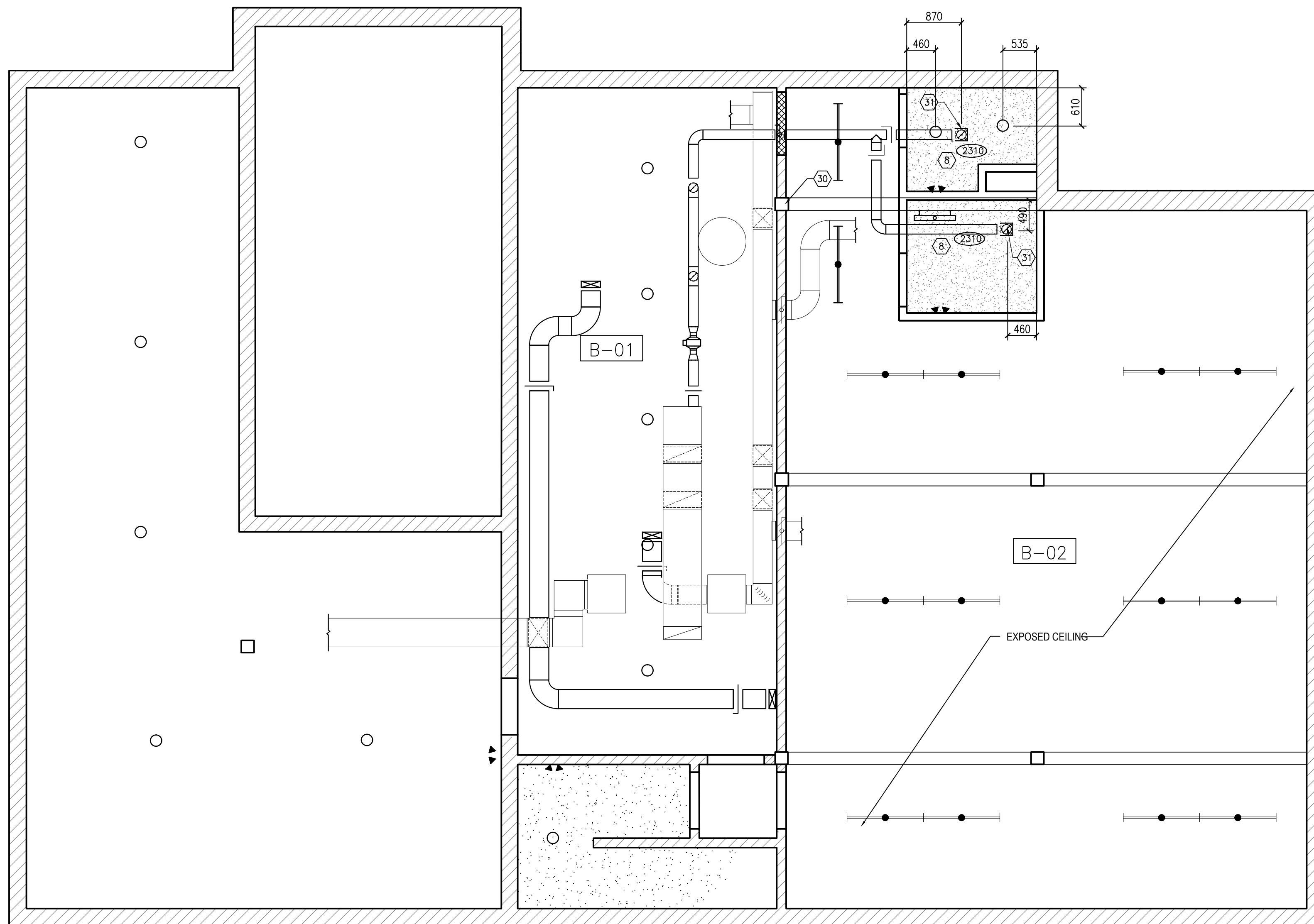
**1 GROUND FLOOR PLAN**  
A106 A106 1:50

**CONSTRUCTION KEYNOTES:**

1. SECURITY BARRIER, COUNTER & CABINETS, C/W REINSTALLED BIRCH SIDING.
2. PUSH BUTTON DOOR OPENER.
3. PROVIDE DOOR & FRAME.
4. SECURITY BARRIER BULKHEAD, CONTINUOUS TO UIS OF STRUCTURE, C/W REINSTALLED BIRCH SIDING.
5. CONTINUE ACT. ALONG EXISTING GRID TO RELOCATED SECURITY BARRIER BULKHEAD.
6. PROVIDE SHEET FLOORING AND RUBBER WALL BASE WITHIN FLOORING UPGRADE EXTENTS.
7. PROVIDE ELECTRO MECHANICAL HOLD OPEN DEVICE
8. PATCH AND REPAIR GB CEILING.
9. PROVIDE STC 51 GB CEILING.
10. PATCH AND MAKE GOOD BIRCH SIDING.
11. REPLACE GB WHERE BIRCH SIDING WAS REMOVED.
12. RUBBER WALL BASE.
13. SOLID BIRCH WALL BASE.
14. SPEAKER PORT.
15. SLIDING PANEL, C/W KEYLESS SLAM SHUT LOCKING DEVICE & RECESSED HANDLE.
16. REINSTALLED BIRCH SIDING.
17. CONCRETE INFILL AT EXISTING SLAB DEPRESSION.
18. INFILL DOORWAY WITH TO MATCH EXISTING.
19. LOCKERS, NOT IN CONTRACT.
20. BENCH & SUPPORTS
21. WATER FOUNTAIN WITH BOTTLE FILLER
22. ACRYLIC SHOWER BASE & 3 SIDE SURROUND
23. MIRROR.
24. HOOKS.
25. PLUMBING BUILD OUT.
26. FLOOR DRAIN.
27. PROVIDE 16 GB ON TOP OF EXISTING GB AND WALL FINISH, PROVIDE BASEBOARDS, WINDOW & DOOR TRIM. TRIM NEW GB TO EXISTING WINDOWS & DOOR TRIM W/ TEAR AWAY BEAD.
28. EXISTING HOSE CABINET.
29. FAX MACHINE/PRINTER, NOT IN CONTRACT.
30. PAINT EXPOSED PIPING AND SUPPORTS AT B-03, B-04, B-05.
31. EXHAUST FAN.
32. SURFACE MOUNT HAND DRYER.
33. PROVIDE CABINET AND COUNTERTOP.
34. PROVIDE MAIL SLOTS.
35. 38 X 89 WD STUD PARTITION, CONTINUOUS TO UIS OF STRUCTURE.
36. SWIPE CARD ACCESS FOR O.H. DOOR.
37. PATCH & MAKE GOOD WALL WHERE FIRE DAMPER WAS REMOVED.
38. .
39. INSTALL NEW STAINLESS STEEL KICK ON EXISTING DOOR, BOTH

**LEGEND:**

-  EXISTING PARTITION
-  EXISTING DOOR TO REMAIN
-  EXISTING DOOR TO BE DEMOLISHED
-  GB CEILING
-  TO BE REMOVED
-  EXTENTS OF FLOOR FINISH UPGRADE. REMOVE EXISTING FLOOR FINISH
-  1 HR FRR
-  2' X 4' LUMINAIRE TO BE REMOVED
-  1' X 4' SURFACE MOUNTED LUMINAIRE TO BE REMOVED. REFER TO ELECT.
-  RECESSED LUMINAIRE TO BE REMOVED. REFER TO ELECT.
-  STRIP LIGHT TO BE REMOVED. REFER TO ELECT.
-  RECESSED LUMINAIRE
-  SURFACE MOUNTED LUMINAIRE
-  RECESSED POT LIGHT
-  STRIP LIGHT

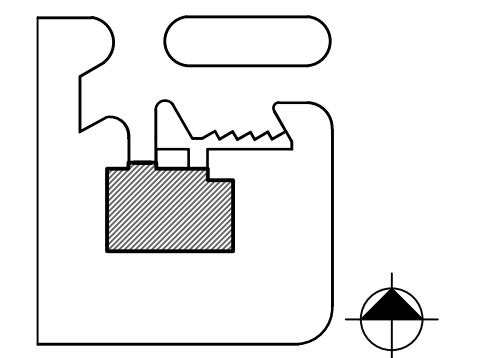


**1** BASEMENT RCP  
A107 | A107 1:50

CONSULTANT - SUB-CONSULTANT:



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**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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ISSUED FOR - REVISION:

NO.	DATE	DESCRIPTION
2	12/05/2017	ISSUED FOR TENDER
1	24/04/2017	ISSUED FOR REVIEW

IS.	RV.	DATE	DESCRIPTION

PROJECT NO: 149-12549-13	DATE: --
ORIGINAL SCALE: SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: --	
DRAWN BY: MJ	
CHECKED BY: AK	
DISCIPLINE: <b>ARCHITECTURE</b>	
TITLE: <b>BASEMENT REFLECTED CEILING PLAN</b>	
SHEET NUMBER: <b>A107</b>	
SHEET #: 7 OF --	RV. #: 0
ISSUE: ISSUED FOR TENDER	
DATE OF:	

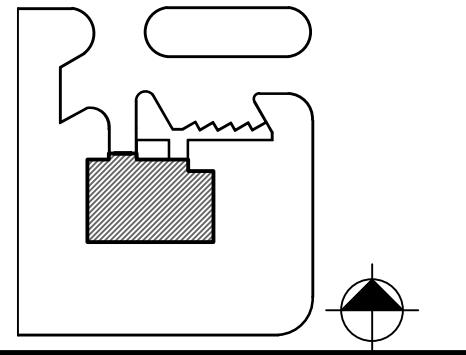




CONSULTANT - SUB-CONSULTANT:



KEY PLAN



SCALE:

CLIENT:



CLIENT REF. #:

PROJECT:

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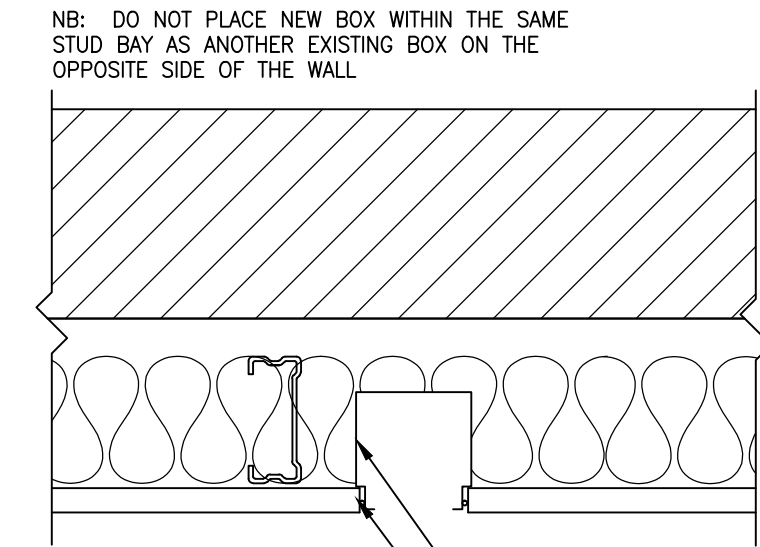
IS.	RV.	DATE	DESCRIPTION
2		12/05/2017	ISSUED FOR TENDER
1		24/04/2017	ISSUED FOR REVIEW

PROJECT NO:	DATE:
149-12549-13	9
ORIGINAL SCALE:	
SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY:	
DRAWN BY:	
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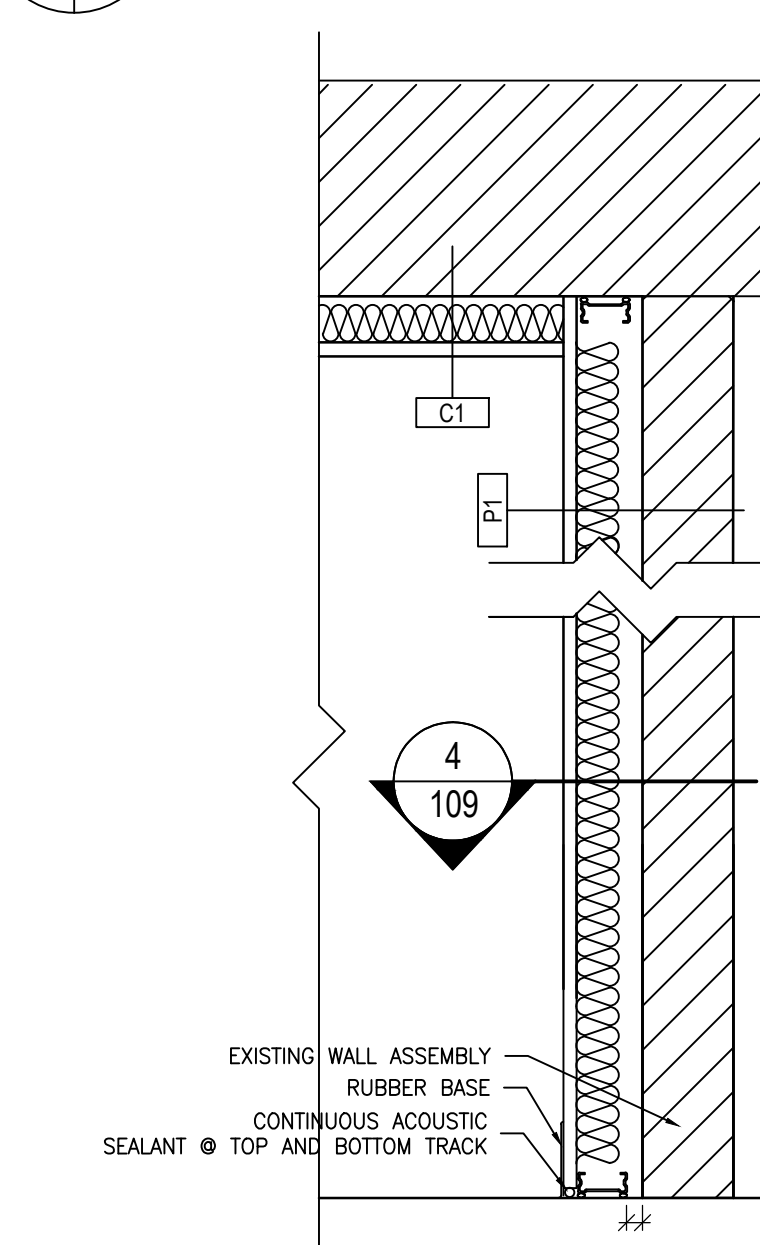
DISCIPLINE:	
ARCHITECTURE	
TITLE:	
INTERIOR ELEVATIONS, SECTIONS AND DETAILS	
SHEET NUMBER:	
A109	
SHEET #:	
2 OF --	
ISSUE:	
ISSUED FOR TENDER	
DATE OF:	
0	

CONSTRUCTION KEYNOTES:

- SECURITY BARRIER, COUNTER & CABINETS. C/W REINSTALLED BIRCH SIDING.
- PUSH BUTTON DOOR OPENER.
- PROVIDE DOOR & FRAME.
- SECURITY BARRIER BULKHEAD, CONTINUOUS TO U/S OF STRUCTURE. C/W REINSTALLED BIRCH SIDING.
- CONTINUE ACT. ALONG EXISTING GRID TO RELOCATED SECURITY BARRIER BULKHEAD.
- PROVIDE SHEET FLOORING AND RUBBER WALL BASE WITHIN FLOORING UPGRADE EXTENTS.
- PROVIDE ELECTRO MECHANICAL HOLD OPEN DEVICE.
- PATCH AND REPAIR GB CEILING.
- PROVIDE STC 51 GB CEILING.
- PATCH AND MAKE GOOD BIRCH SIDING.
- REPLACE GB WHERE BIRCH SIDING WAS REMOVED.
- RUBBER WALL BASE.
- SOLID BIRCH WALL BASE.
- SPEAKER PORT.
- SLIDING PANEL C/W KEYLESS SLAM SHUT LOCKING DEVICE & RECESSED HANDLE.
- REINSTALLED BIRCH SIDING.
- CONCRETE INFILL AT EXISTING SLAB DEPRESSION.
- INFILL DOORWAY WITH TO MATCH EXISTING.
- LOCKERS, NOT IN CONTRACT.
- BENCH & SUPPORTS.
- WATER FOUNTAIN WITH BOTTLE FILLER.
- ACRYLIC SHOWER BASE & 3 SIDE SURROUND.
- MIRROR.
- HOOKS.
- PLUMBING BUILD OUT.
- FLOOR DRAIN.
- PROVIDE 16 GB ON TOP OF EXISTING GB AND WALL FINISH. PROVIDE BASEBOARDS, WINDOW & DOOR TRIM. TRIM NEW GB TO EXISTING WINDOWS & DOOR TRIM W/ TEAR AWAY BEAD.
- EXISTING HOSE CABINET.
- FAX MACHINE/PRINTER, NOT IN CONTRACT.
- PAINT EXPOSED PIPING AND SUPPORTS AT B-03, B-04, B-05.
- EXHAUST FAN.
- SURFACE MOUNT HAND DRYER.
- PROVIDE CABINET AND COUNTERTOP.
- PROVIDE MAIL SLOTS.
- 38 X 89 WD STUD PARTITION. CONTINUOUS TO U/S OF STRUCTURE.
- SWIPE CARD ACCESS FOR O.H. DOOR.
- PATCH & MAKE GOOD WALL WHERE FIRE DAMPER WAS REMOVED.
- 
- INSTALL NEW STAINLESS STEEL KICK ON EXISTING DOOR, BOTH SIDES.
- TOILET PAPER DISPENSER.

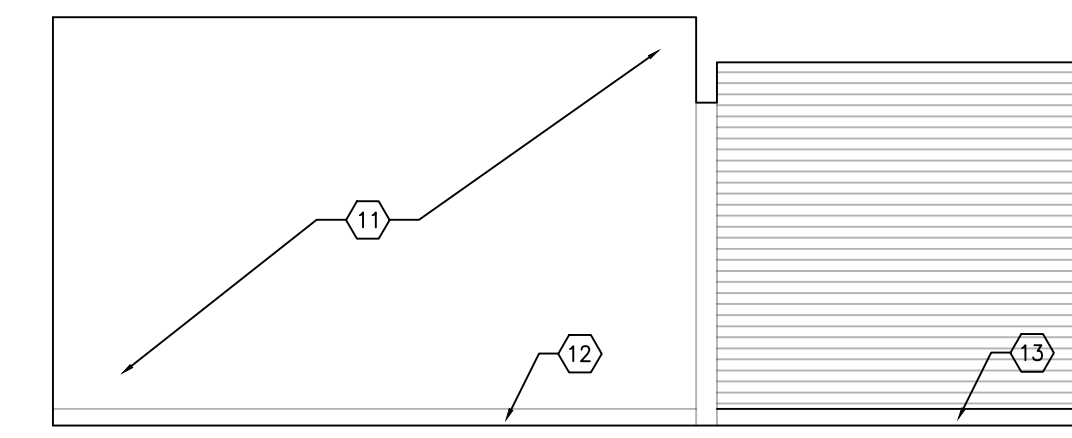


4 P1 PLAN DETAIL  
A109 A109 1:5

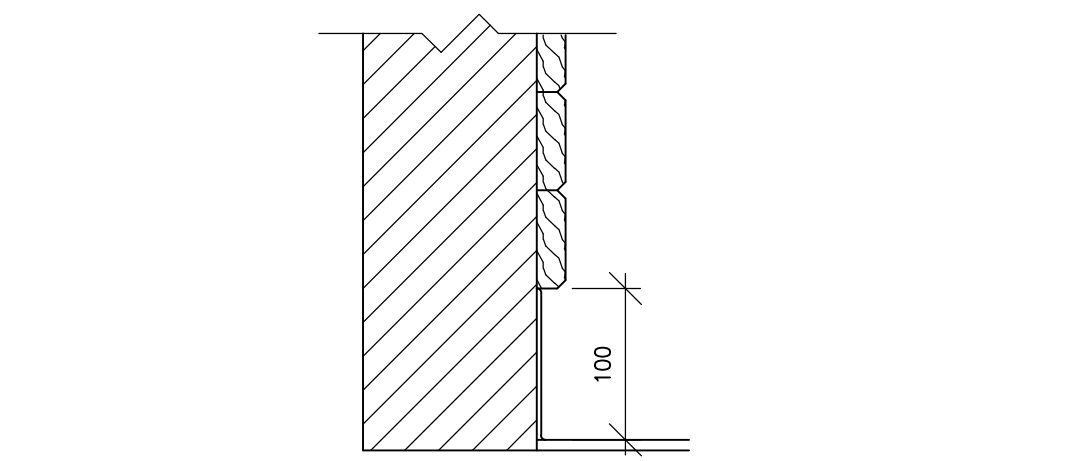


3 P1 WALL SECTION  
A106 A109 1:10

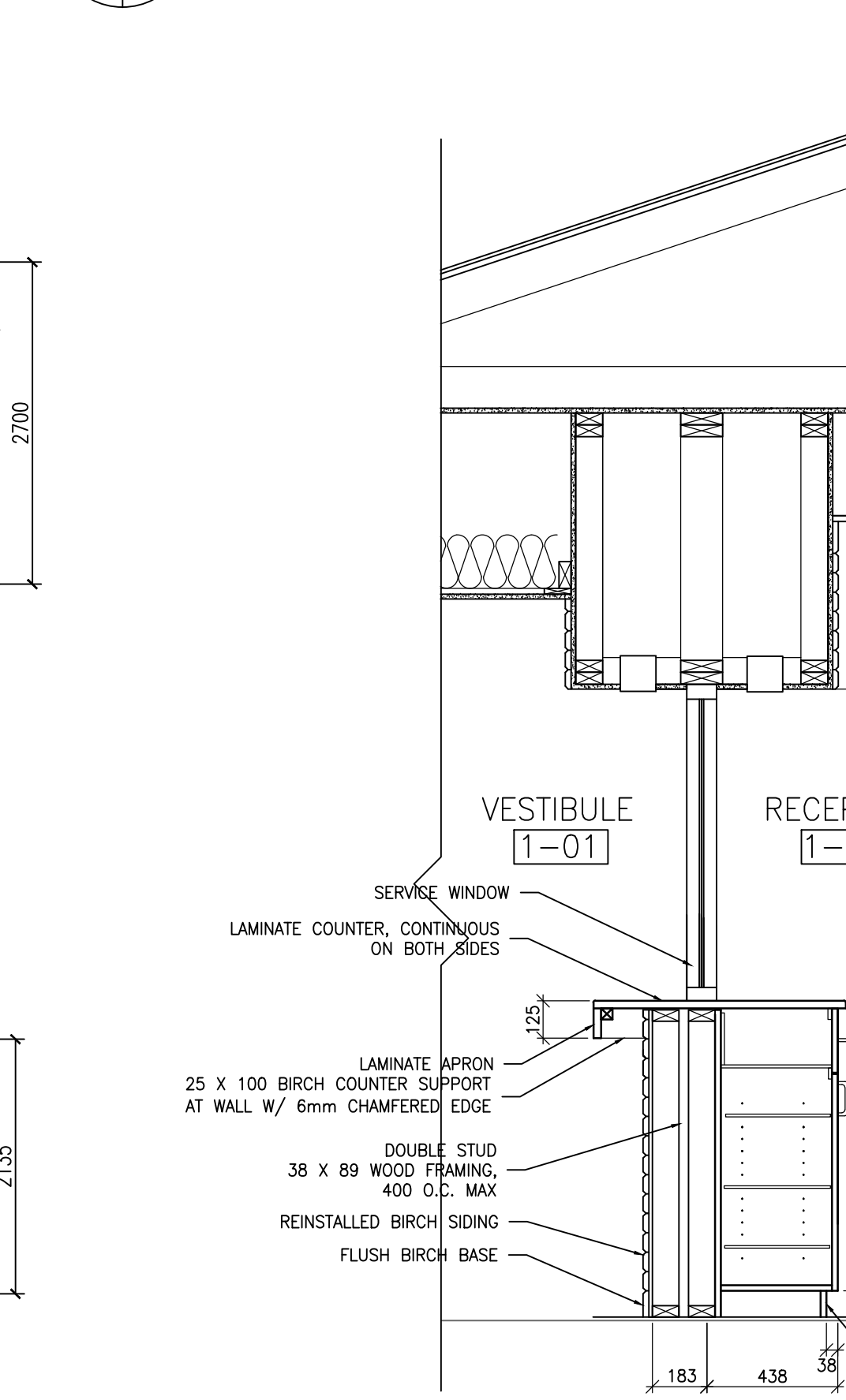
7 EAST RECEPTION ELEVATION  
A106 A109 1:50



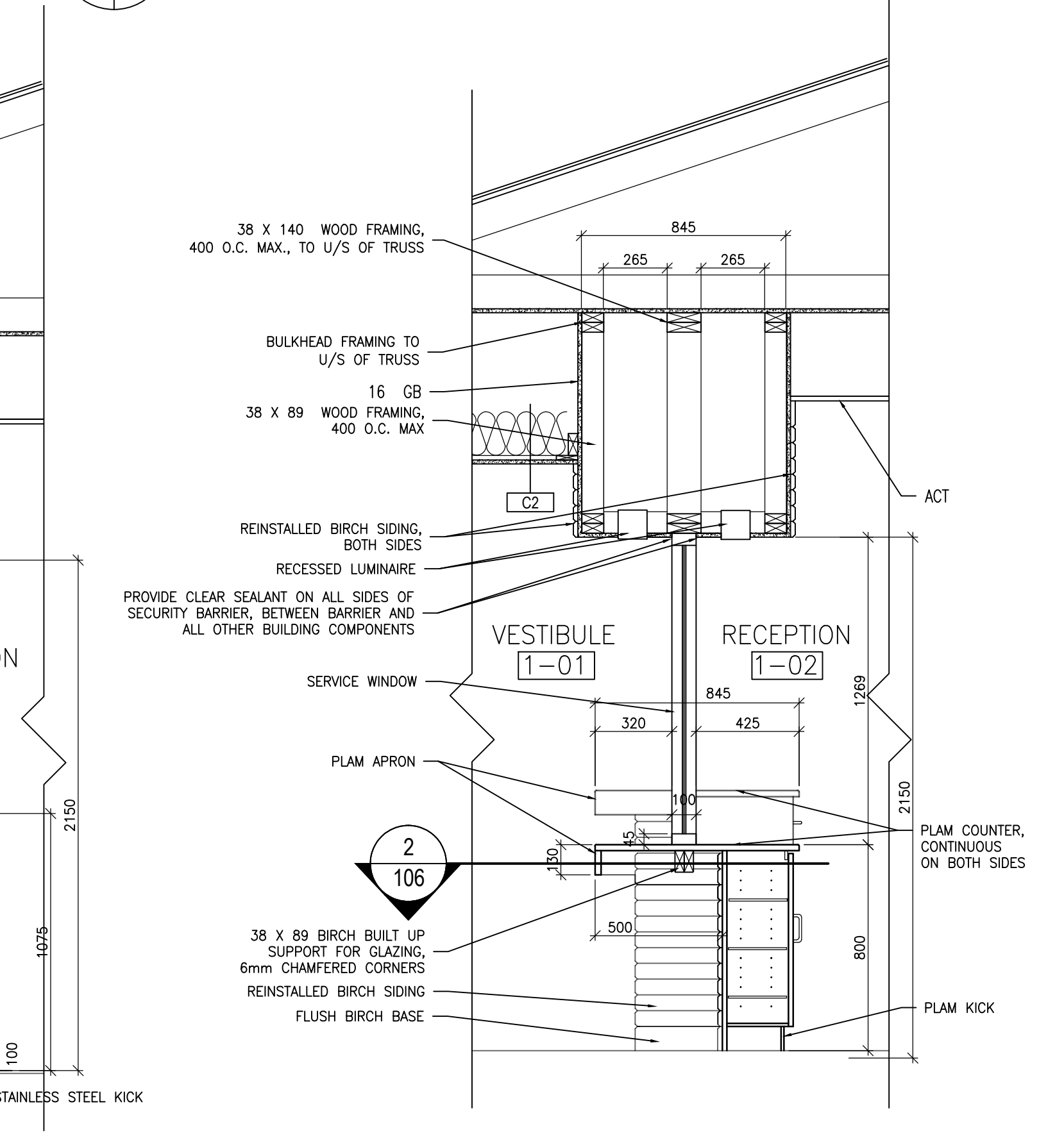
6 WEST RECEPTION ELEVATION  
A106 A109 1:50



5 WALL BASE @ BIRCH SIDING  
A109 A109 1:5

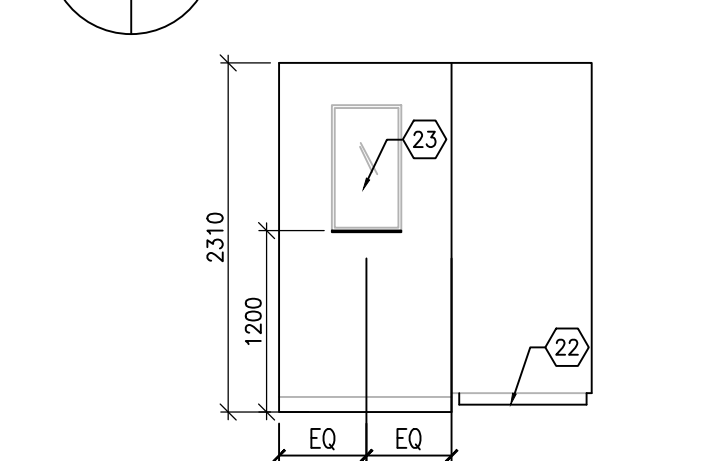


2 SECURITY BARRIER SECTION  
A106 A109 1:20

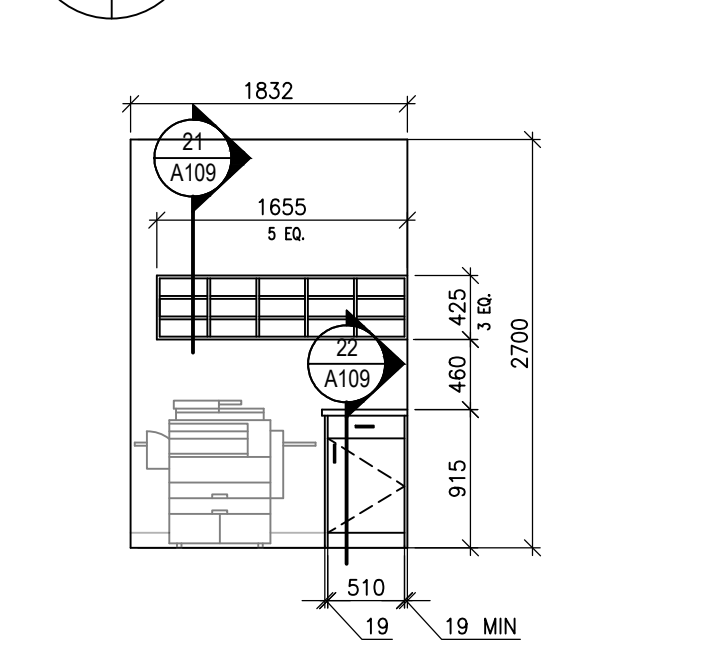


1 SECURITY BARRIER SECTION BARRIER FREE  
A106 A109 1:20

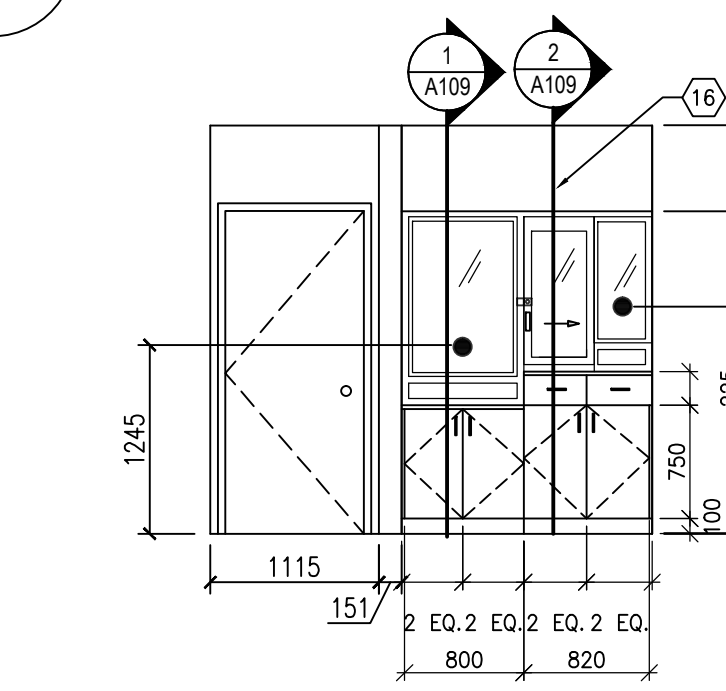
12 SHOWER ROOM WEST ELEVATION  
A105 A109 1:50



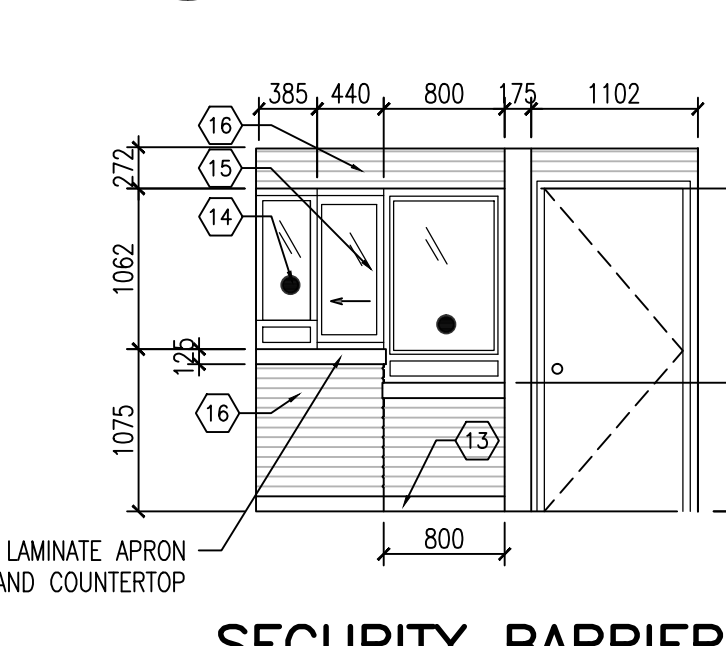
11 SHOWER ROOM NORTH ELEVATION  
A105 A109 1:50



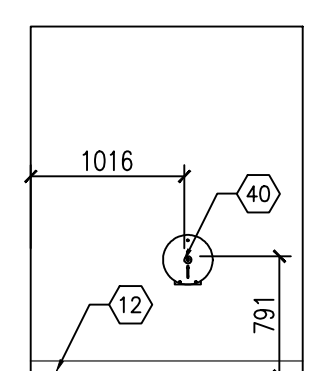
10 PARTITION AND CASEWORK NORTH ELEVATION  
A106 A109 1:50



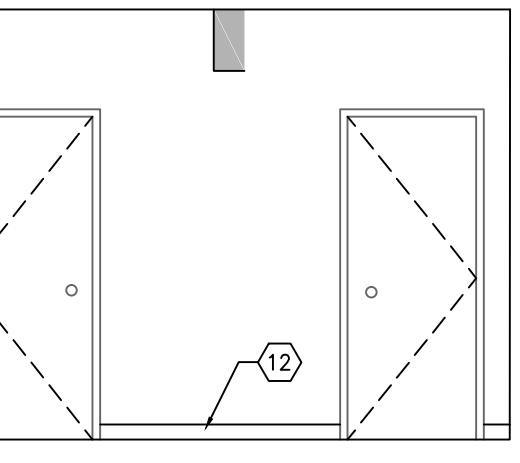
9 SECURITY BARRIER OFFICE SIDE ELEV.  
A106 A109 1:50



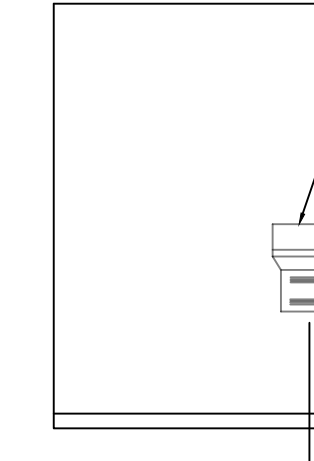
8 SECURITY BARRIER PUBLIC SIDE ELEVATION  
A106 A109 1:50



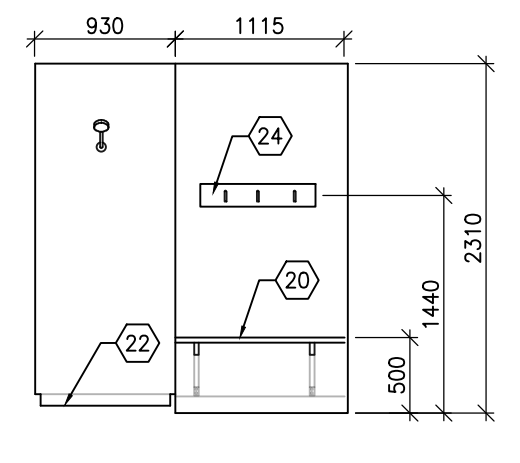
17 WASHROOM NORTH ELEVATION  
A109 A109 1:50



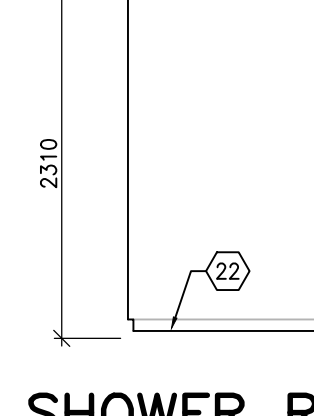
16 LOCKER CORRIDOR EAST ELEVATION  
A105 A109 1:50



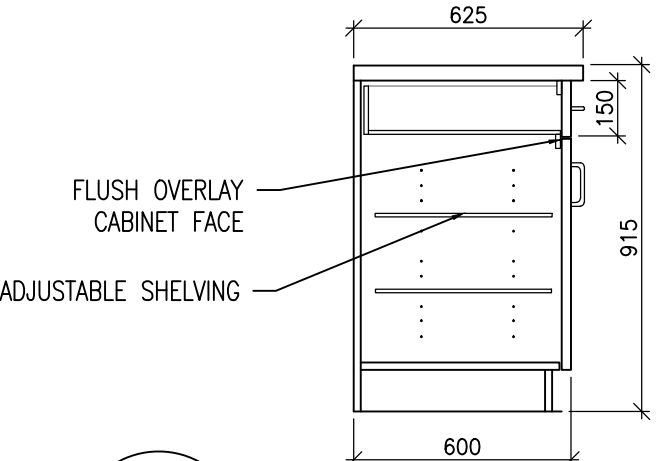
15 WATER FOUNTAIN ELEVATION  
A105 A109 1:50



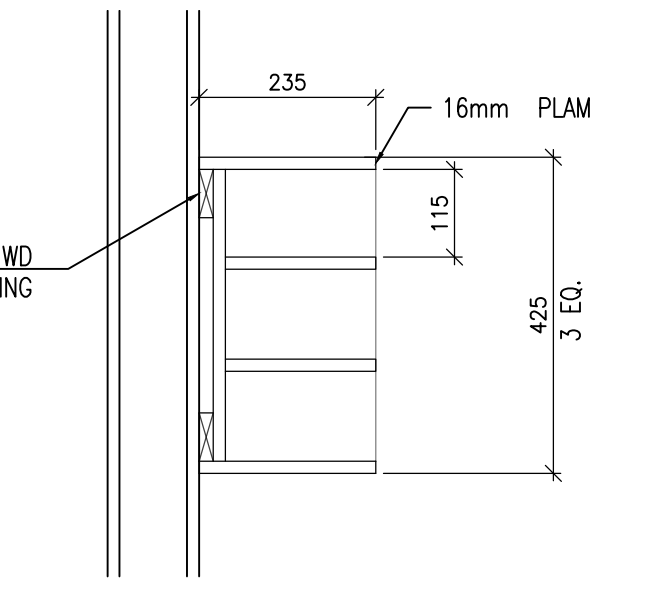
14 SHOWER ROOM SOUTH ELEVATION  
A105 A109 1:50



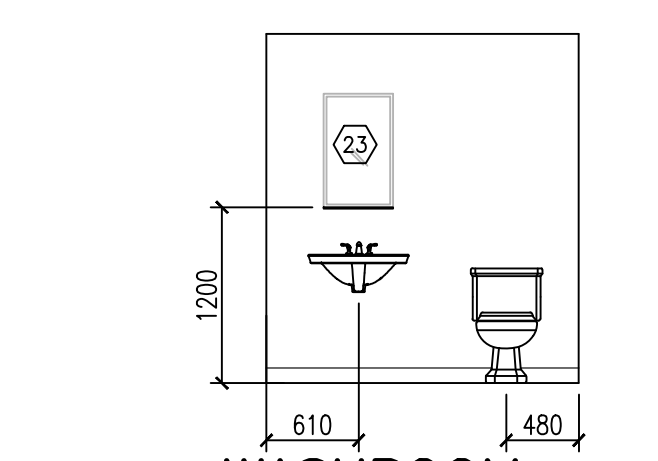
13 SHOWER ROOM EAST ELEVATION  
A105 A109 1:50



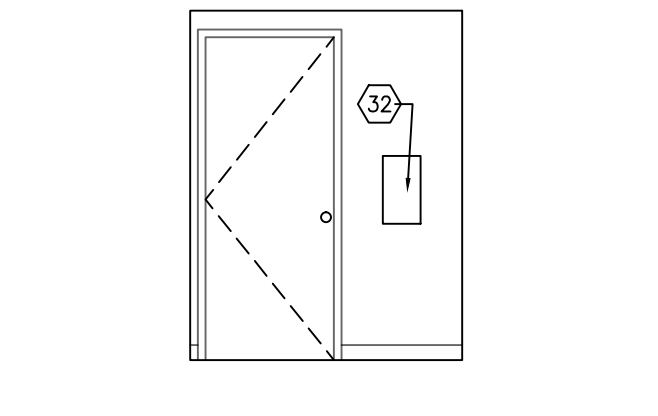
21 CABINET SECTION  
A109 A109 1:20



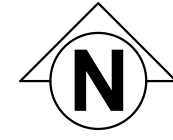
20 MAIL SLOTS DETAIL  
A109 A109 1:10



19 WASHROOM NORTH ELEVATION  
A105 A109 1:50



18 WASHROOM EAST ELEVATION  
A105 A109 1:50



CONSULTANT - SUB-CONSULTANT:



400 - 136 Market Avenue  
Winnipeg, MB R3B 0P4  
T 204 453 1080

KEYPLAN:

SEAL:



CLIENT:



CLIENT REF. #: CGH-46-10

PROJECT:

### MANITOU RCMP DETACHMENT

### MANITOU, MB

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ISSUED FOR - REVISION:

RV	DATE	DESCRIPTION
0	June 16, 2017	Issued for Tender

PROJECT NO:	17042
ORIGINAL SCALE:	As indicated
DESIGNED BY:	TD
DRAWN BY:	TD
CHECKED BY:	SD

DISCIPLINE: MECHANICAL

### TITLE: BASEMENT - MECHANICAL DEMOLITION PLAN - MANITOU

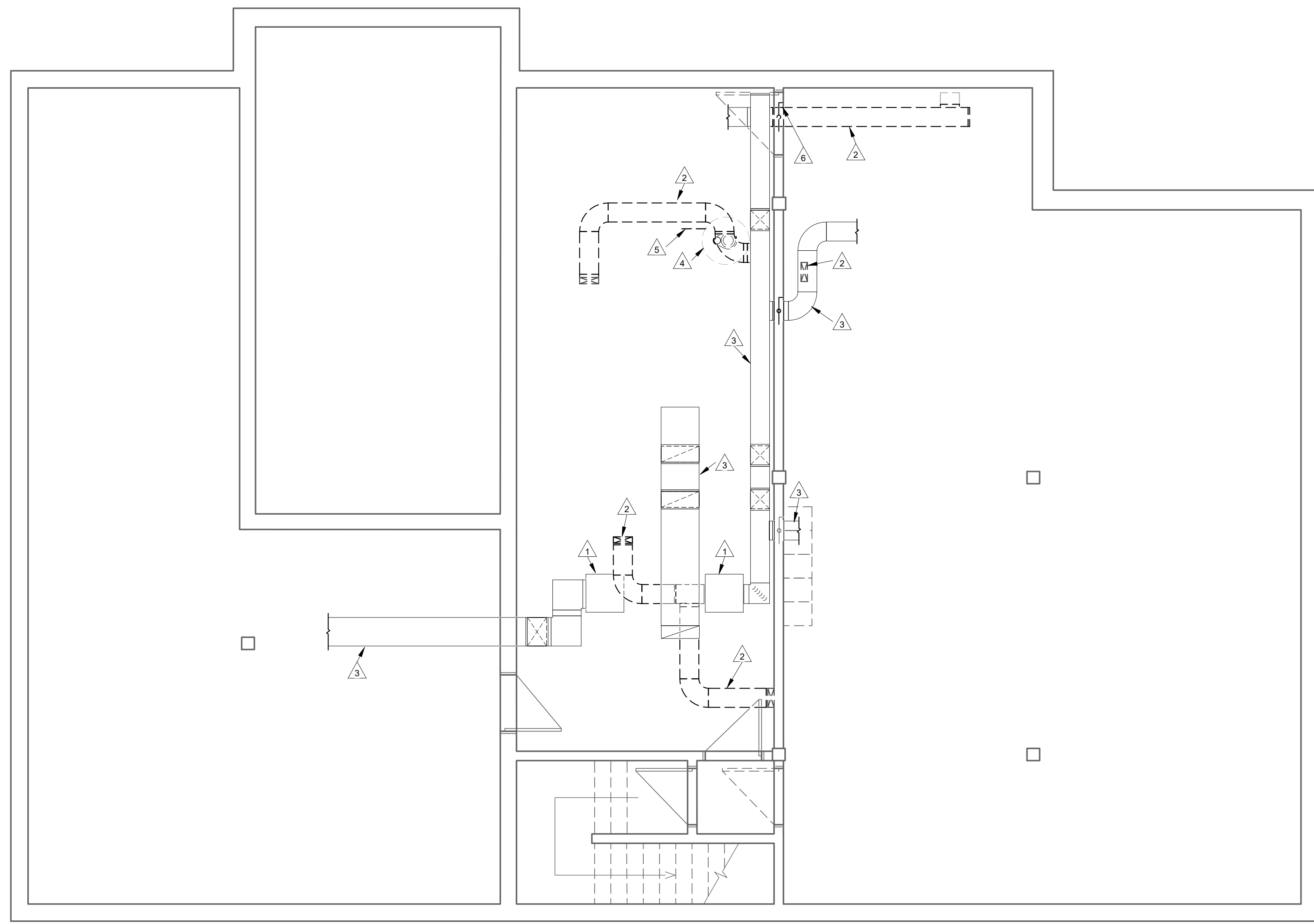
SHEET NUMBER:	M2.1
SHEET #:	-- OF --
ISSUE:	--
DATE OF:	0

#### MECHANICAL DEMOLITION GENERAL NOTES

- A. CONFORM TO APPLICABLE CODE FOR DEMOLITION WORK, DUST CONTROL, PRODUCTS REQUIRING ELECTRICAL DISCONNECTION OR RECONNECTION.
- B. CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.
- C. PROTECT EXISTING MATERIALS, EQUIPMENT, AND SYSTEMS WHICH ARE NOT TO BE DEMOLISHED. PROVIDE A MINIMUM MERV 8 FILTRATION ON EXISTING INLETS AND RETURN AIR DUCTS AND SYSTEMS.
- D. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH OCCUPIED BUILDING AREAS.
- E. DISCONNECT, REMOVE, CAP, AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
- F. REMOVE, CUT, AND PATCH WORK IN A MANNER TO MINIMIZE DAMAGE AND TO PROVIDE MEANS OF RESTORING SYSTEMS TO ORIGINAL CONDITION.
- G. CAREFULLY DISMANTLE EXISTING MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED. TEMPORARILY DISCONNECT, REMOVE, AND REINSTALL EXISTING EQUIPMENT, PIPING, DUCTWORK, CONDUIT, LIGHT FIXTURES, AND SIMILAR ITEMS, WHICH INTERFERE WITH THE NEW INSTALLATION AFTER COMPLETION OF NEW WORK OR OF EXISTING INSTALLATIONS TO BE DEMOLISHED. STORE EQUIPMENT AND MATERIALS ON THE PREMISES AS DIRECTED BY THE OWNER.
- H. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. UPON COMPLETION OF WORK, LEAVE AREAS IN CLEAN CONDITION.
- I. ALL USABLE SALVAGED EQUIPMENT AND MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE.
- J. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES WHERE PIPES OR DUCTS WERE REMOVED. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- K. THE ABANDONMENT OF EXISTING EQUIPMENT AND MATERIAL IN PLACE IS NOT ACCEPTABLE. ALL REDUNDANT SERVICES ARE TO BE REMOVED BACK TO ACTIVE MAINS, WHICH SHALL THEN BE CAPPED AT EXISTING POINT OF CONNECTION.

#### KEY NOTES

- 1 EXISTING FURNACES TO REMAIN FOR REUSE IN RENOVATION.
- 2 DEMOLISH DUCTWORK AS SHOWN. CAP AND SEAL MAIN DUCTS WHERE DUCT BRANCHES HAVE BEEN REMOVED. REINSULATE AND MAKE GOOD INSULATION WHERE DUCTWORK HAS BEEN REMOVED.
- 3 EXISTING DUCTWORK TO REMAIN.
- 4 DEMOLISH EXISTING SIMPLEX EFFLUENT PUMP, EXISTING PIT AND ALL ASSOCIATED CONTROLS. EXISTING VENTING SERVING PIT TO REMAIN FOR REUSE IN RENOVATION.
- 5 DEMOLISH EXISTING SANITARY PIPING AS REQUIRED TO ACCOMMODATE NEW SANITARY PIPING AND PRE-ASSEMBLED PIT.
- 6 REMOVE EXISTING FLOOR SUPPLY GRILLE TO ALLOW FOR ROOM REFINISHING. PROVIDE NEW LOUVERED SUPPLY GRILLE WITHIN EXISTING OPENING. CONNECT GRILLE INTO DUCTWORK WITHIN CRAWLSPACE COMPLETE WITH DIRT POCKET WITH REMOVABLE PANEL.

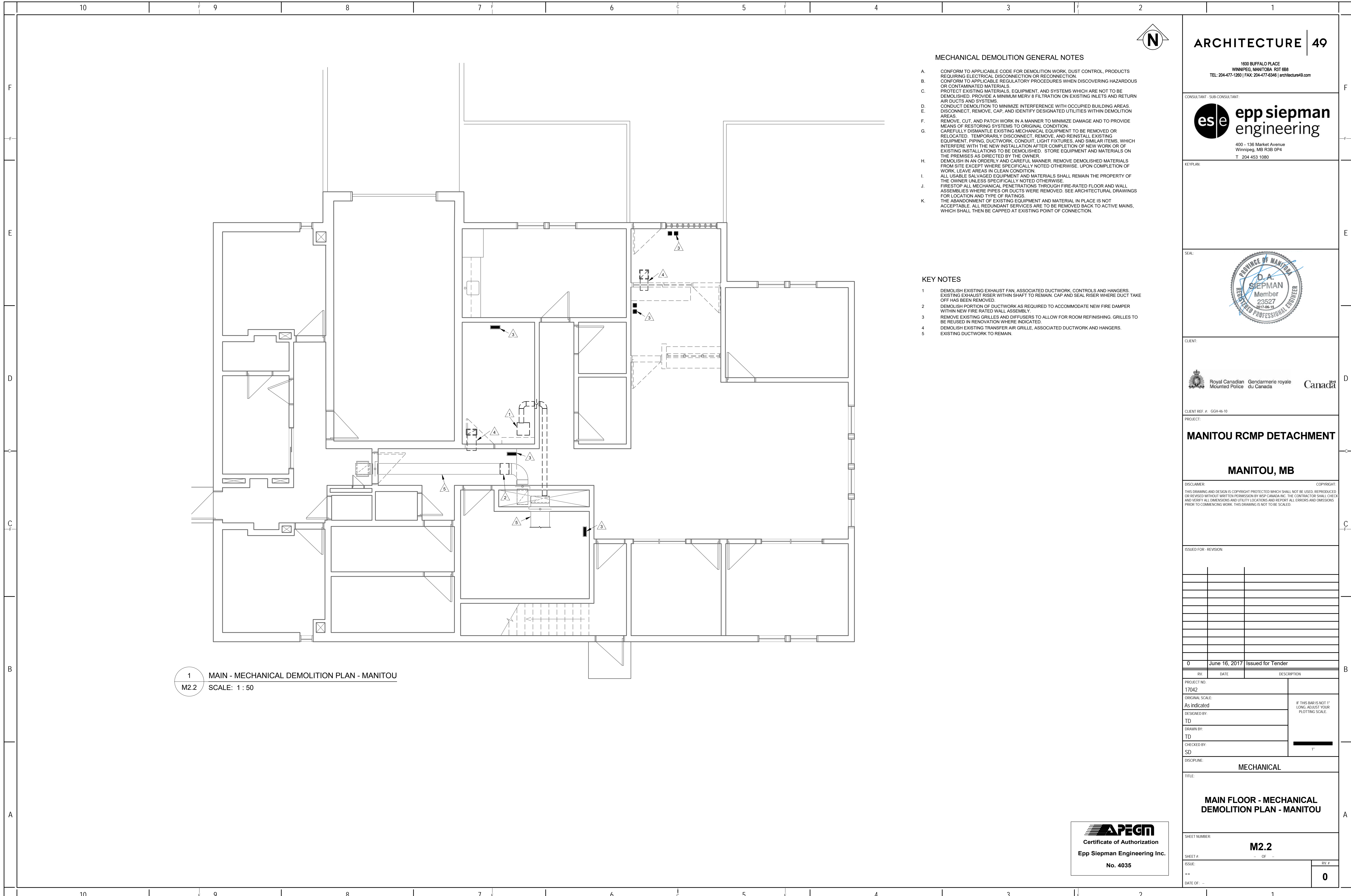


**1** BASEMENT - MECHANICAL DEMOLITION PLAN - MANITOU  
M2.1 SCALE: 1 : 50

**MECHANICAL DRAWINGS**

- RCMP OFFICE - MANITOU
- M2.1 BASEMENT - MECHANICAL DEMOLITION PLAN - MANITOU
- M2.2 MAIN FLOOR - MECHANICAL DEMOLITION PLAN - MANITOU
- M2.3 BASEMENT - MECHANICAL RENOVATION PLAN - MANITOU
- M2.4 MAIN FLOOR - MECHANICAL RENOVATION PLAN - MANITOU
- M2.5 MECHANICAL DETAILS - SCHEDULES - MANITOU

**APEGM**  
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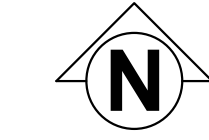
1 MAIN - MECHANICAL DEMOLITION PLAN - MANITOU  
M2.2 SCALE: 1 : 50

MECHANICAL DEMOLITION GENERAL NOTES

- A. CONFORM TO APPLICABLE CODE FOR DEMOLITION WORK, DUST CONTROL, PRODUCTS REQUIRING ELECTRICAL DISCONNECTION OR RECONNECTION.
- B. CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.
- C. PROTECT EXISTING MATERIALS, EQUIPMENT, AND SYSTEMS WHICH ARE NOT TO BE DEMOLISHED. PROVIDE A MINIMUM MERV 8 FILTRATION ON EXISTING INLETS AND RETURN AIR DUCTS AND SYSTEMS.
- D. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH OCCUPIED BUILDING AREAS.
- E. DISCONNECT, REMOVE, CAP, AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
- F. REMOVE, CUT, AND PATCH WORK IN A MANNER TO MINIMIZE DAMAGE AND TO PROVIDE MEANS OF RESTORING SYSTEMS TO ORIGINAL CONDITION.
- G. CAREFULLY DISMANTLE EXISTING MECHANICAL EQUIPMENT TO BE REMOVED OR RELOCATED. TEMPORARILY DISCONNECT, REMOVE, AND REINSTALL EXISTING EQUIPMENT, PIPING, DUCTWORK, CONDUIT, LIGHT FIXTURES, AND SIMILAR ITEMS, WHICH INTERFERE WITH THE NEW INSTALLATION AFTER COMPLETION OF NEW WORK OR OF EXISTING INSTALLATIONS TO BE DEMOLISHED. STORE EQUIPMENT AND MATERIALS ON THE PREMISES AS DIRECTED BY THE OWNER.
- H. DEMOLISH IN AN ORDERLY AND CAREFUL MANNER. REMOVE DEMOLISHED MATERIALS FROM SITE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE. UPON COMPLETION OF WORK, LEAVE AREAS IN CLEAN CONDITION.
- I. ALL USABLE SALVAGED EQUIPMENT AND MATERIALS SHALL REMAIN THE PROPERTY OF THE OWNER UNLESS SPECIFICALLY NOTED OTHERWISE.
- J. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES WHERE PIPES OR DUCTS WERE REMOVED. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- K. THE ABANDONMENT OF EXISTING EQUIPMENT AND MATERIAL IN PLACE IS NOT ACCEPTABLE. ALL REDUNDANT SERVICES ARE TO BE REMOVED BACK TO ACTIVE MAINS, WHICH SHALL THEN BE CAPPED AT EXISTING POINT OF CONNECTION.

KEY NOTES

- 1 DEMOLISH EXISTING EXHAUST FAN, ASSOCIATED DUCTWORK, CONTROLS AND HANGERS. EXISTING EXHAUST RISER WITHIN SHAFT TO REMAIN. CAP AND SEAL RISER WHERE DUCT TAKE OFF HAS BEEN REMOVED.
- 2 DEMOLISH PORTION OF DUCTWORK AS REQUIRED TO ACCOMMODATE NEW FIRE DAMPER WITHIN NEW FIRE RATED WALL ASSEMBLY.
- 3 REMOVE EXISTING GRILLES AND DIFFUSERS TO ALLOW FOR ROOM REFINISHING. GRILLES TO BE REUSED IN RENOVATION WHERE INDICATED.
- 4 DEMOLISH EXISTING TRANSFER AIR GRILLE, ASSOCIATED DUCTWORK AND HANGERS.
- 5 EXISTING DUCTWORK TO REMAIN.



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KEYPLAN:

SEAL:



CLIENT:



CLIENT REF. #: CGH-46-10

PROJECT:

MANITOU RCMP DETACHMENT

MANITOU, MB

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PROJECT NO.	17042	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
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DISCIPLINE: MECHANICAL

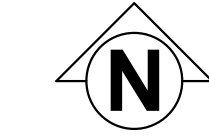
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**MAIN FLOOR - MECHANICAL DEMOLITION PLAN - MANITOU**

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CLIENT REF. #: GGH-46-10

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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17042			
ORIGINAL SCALE:	As indicated		
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CHECKED BY:	SD		
DISCIPLINE:	MECHANICAL		

TITLE:  
**BASEMENT - MECHANICAL RENOVATION PLAN - MANITOU**

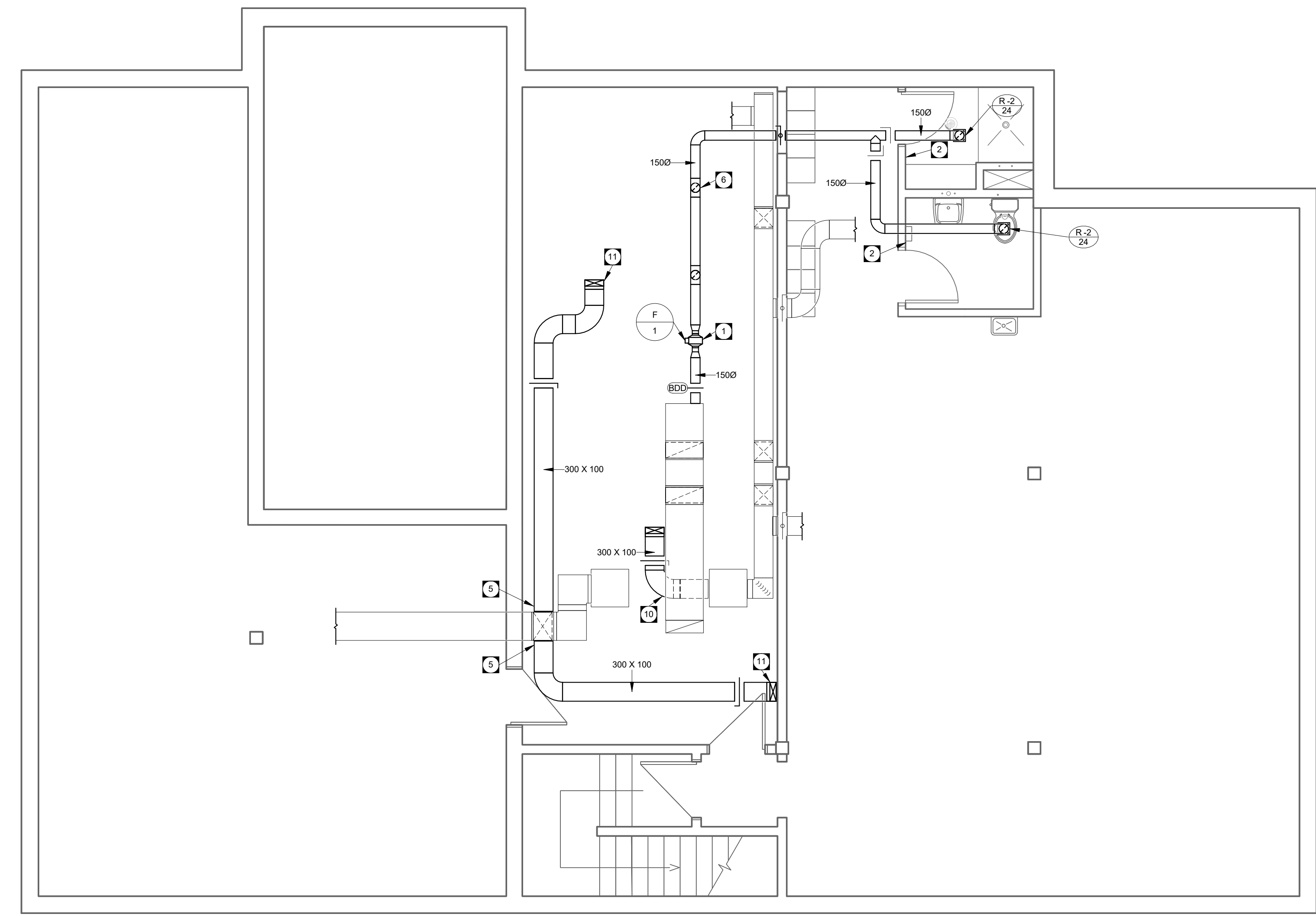
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DATE OF:	--
RV #	<b>0</b>

MECHANICAL RENOVATION GENERAL NOTES

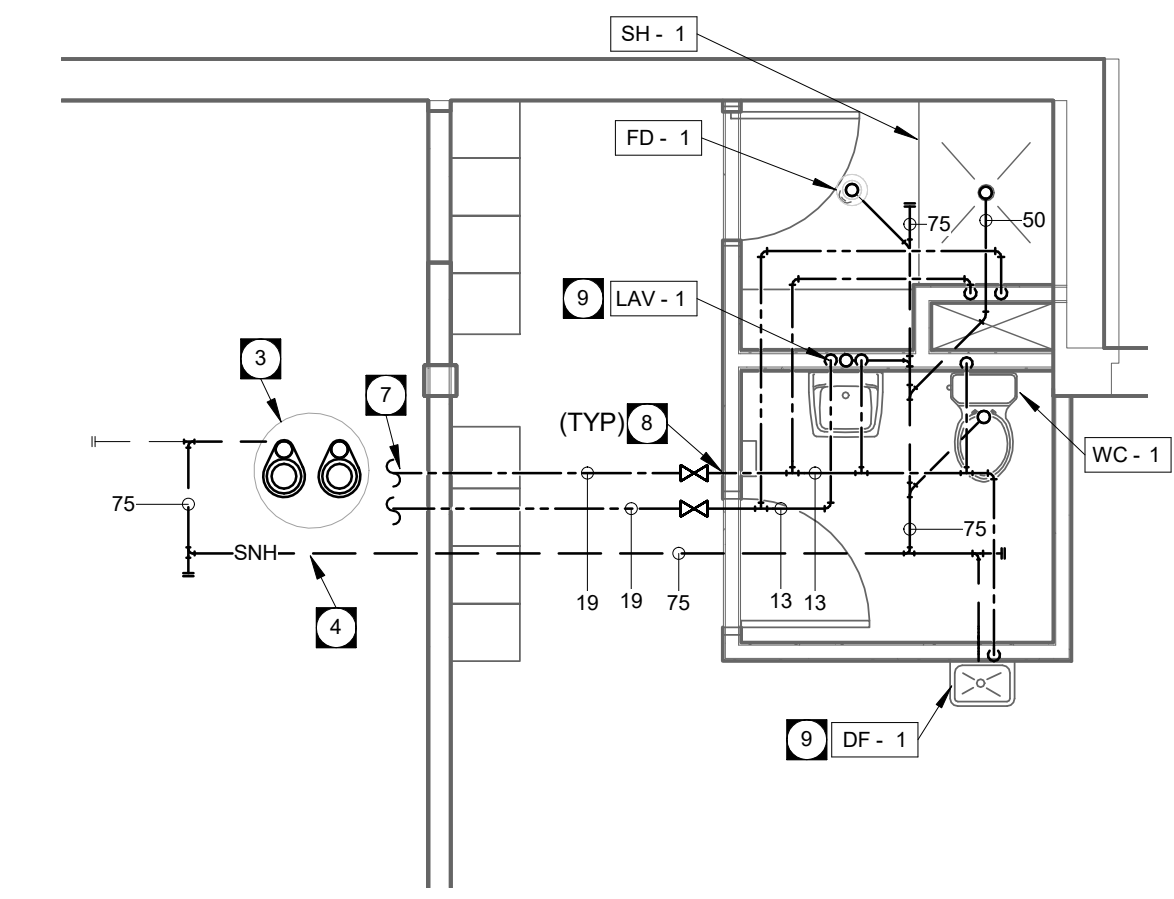
- A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
- C. INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED WALL ASSEMBLIES. COMPLETE WITH ACCESS DOORS. SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR WALL TYPES.
- D. COORDINATE FINAL THERMOSTAT & TIMER INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.
- E. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
- F. DUCT INSULATION SHALL FOLLOW THE SCHEDULES IN THE SPECIFICATION AS A MINIMUM REQUIREMENT. THESE REQUIREMENTS SHALL APPLY REGARDLESS OF WHETHER OR NOT DUCT INSULATION IS SHOWN ON THE DRAWINGS.
- G. WHERE DUCT INSULATION IS SHOWN ON THE DRAWINGS (EITHER WITH THE HATCHING CONVENTION OR BY MEANS OF A KEY NOTE) AND EXCEEDS THE REQUIREMENTS OF THE SCHEDULES IN THE SPECIFICATION, THE ADDITIONAL INSULATION REQUIREMENTS SHALL BE MET.
- H. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- I. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE AND IN AN EASILY ACCESSIBLE LOCATION.
- J. ALL PIPING SHALL BE INSULATED PER THE SPECIFICATION.
- K. THE LOCATION AND ROUTING OF PIPES IS SCHEMATIC. CONFIRM INTERFERENCES AND COORDINATE BETWEEN TRADES ON SITE.
- L. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF PLUMBING FIXTURES.
- M. WATER HAMMER ARRESTORS SHALL BE PROVIDED TO EACH WASHROOM AND FIXTURE GROUP.
- N. THE CONTRACTOR SHALL SIZE AND COORDINATE PLUMBING VENTING WHERE NOT SHOWN ON THE DRAWINGS. REFER TO THE DRAWINGS FOR SPECIFIC LOCATIONS AND COORDINATION REQUIREMENTS.
- O. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM.

KEY NOTES

- 1. PROVIDE NEW INLINE EXHAUST FAN SUSPENDED FROM CEILING WITHIN MECHANICAL ROOM. CONNECT NEW EXHAUST DUCTWORK INTO EXISTING EXHAUST AIR PLENUM COMPLETE WITH BACKDRAFT DAMPER.
- 2. PROVIDE NEW 20-40-60 MINUTE TIMERS LOCATED IN BOTH ROOMS B-03 AND B-04 CONNECTED TO NEW EXHAUST FAN.
- 3. PROVIDE NEW MANUFACTURER PRE-ASSEMBLED DUPLEX SEWAGE PUMP SYSTEM WHERE EXISTING PIT WAS REMOVED. MODIFY EXISTING PIT OPENING AS REQUIRED TO SUIT NEW PIT SIZE. EXISTING SANITARY AND VENT PIPING PREVIOUSLY CONNECTED INTO SEWAGE PUMP SYSTEM SHALL BE RECONNECTED TO NEW SYSTEM.
- 4. NEW SANITARY PIPING TO BE INSTALLED BELOW EXISTING CONCRETE SLAB. REFER ALSO TO ARCHITECTURAL.
- 5. CONNECT NEW DUCTWORK INTO EXISTING SECURE SIDE FURNACE WITHIN MECHANICAL ROOM. REWORK INSULATION AT THIS LOCATION TO ENSURE A PROPER VAPOR BARRIER IS MAINTAINED.
- 6. OFFSET NEW EXHAUST DUCTWORK AS REQUIRED TO AVOID CONFLICT WITH EXISTING SERVICES WITHIN THE MECHANICAL ROOM.
- 7. CONNECT NEW DOMESTIC HOT AND COLD WATER PIPING INTO EXISTING PIPING THAT IS A MINIMUM OF 19MM. WITHIN MECHANICAL ROOM. PROVIDE ISOLATION VALVES ON PIPE TAKEOFFS AS SHOWN. REINSULATE AND MAKE GOOD EXISTING PIPING INSULATION TO PROVIDE CONTINUOUS VAPOR BARRIER.
- 8. DOMESTIC WATER PIPING TO RUN WITHIN CEILING SPACE AND DROP DOWN TO PLUMBING FIXTURES FROM WITHIN WALLS. PROVIDE SEPARATE VALVE STOPS AT EACH FIXTURE.
- 9. CONNECT VENT PIPING INTO EXISTING VENT STACK WITHIN MECHANICAL ROOM.
- 10. CONNECT NEW SUPPLY AIR DUCTWORK INTO EXISTING AT APPROXIMATELY THIS LOCATION. DUCTWORK TO SERVE FLOOR GRILLE ABOVE.
- 11. NEW SUPPLY AIR DUCTWORK TO CONNECT INTO GRILLE ABOVE. REUSE EXISTING OPENING.



1 BASEMENT - MECHANICAL RENOVATION PLAN - MANITOU  
M2.3 SCALE: 1 : 50



2 LARGE SCALE - PLUMBING RENOVATION - MANITOU  
M2.3 SCALE: 1 : 50





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KEY PLAN:

SEAL:



CLIENT:



CLIENT REF. #: CGH-46-10

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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**MAIN FLOOR - MECHANICAL RENOVATION PLAN - MANITOU**

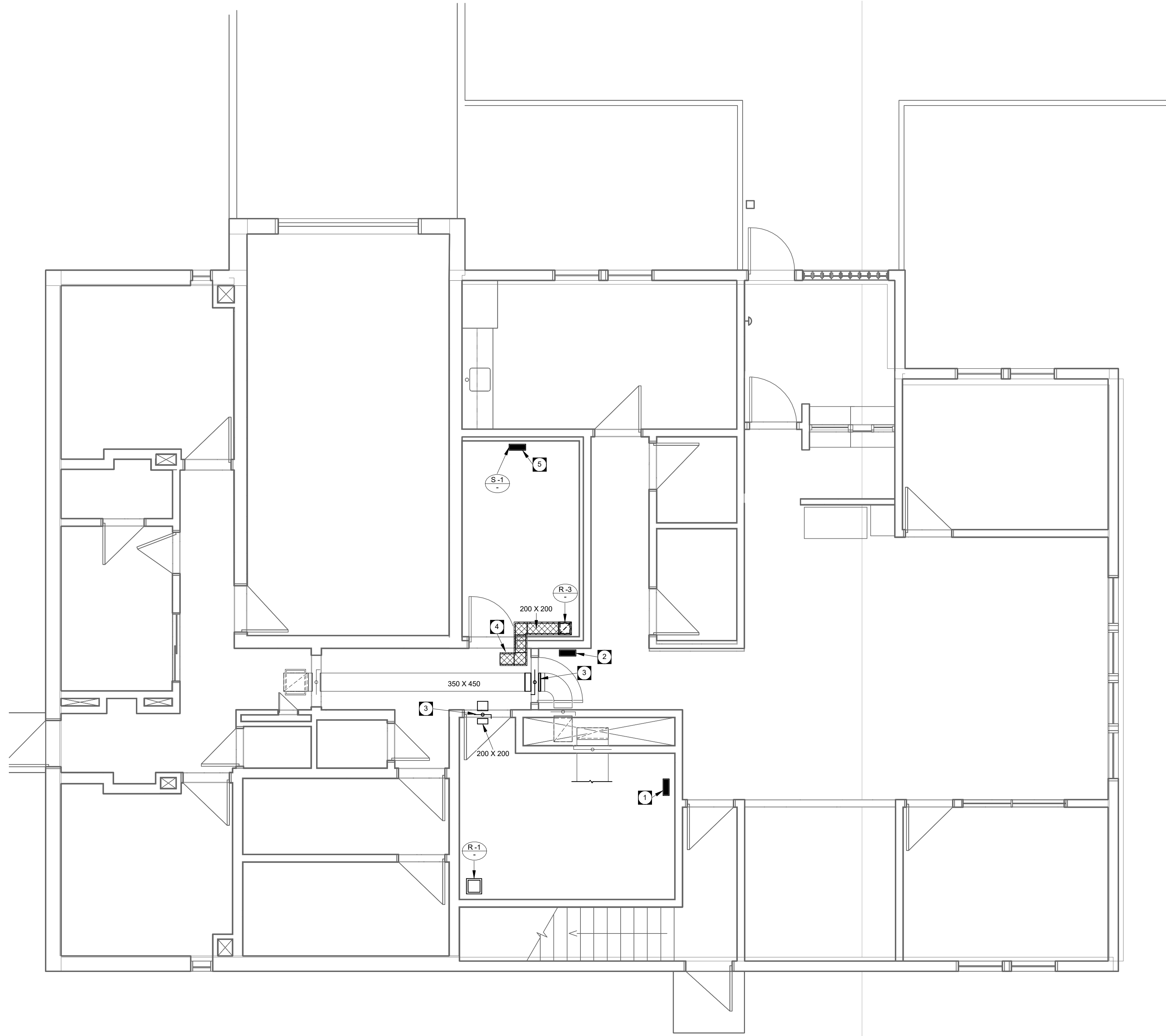
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**MECHANICAL RENOVATION GENERAL NOTES**

- A. FIRESTOP ALL MECHANICAL PENETRATIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND TYPE OF RATINGS.
- B. DUCT TRANSITIONS MAY NOT BE SHOWN IN DETAIL ON PLAN. REFER TO DETAILS SHEETS AND SMACNA - HVAC DUCT CONSTRUCTION STANDARDS FOR REQUIRED DUCT TRANSITIONS AND FITTINGS. ALL DUCT TAPS TO BRANCH DUCTS SHALL HAVE 45 DEGREE ENTRY FITTINGS.
- C. INSTALL FIRE DAMPERS ON ALL DUCTS PENETRATING FIRE RATED WALL ASSEMBLIES. COMPLETE WITH ACCESS DOORS. SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR WALL TYPES.
- D. COORDINATE FINAL THERMOSTAT & TIMER INSTALLATION HEIGHT AND DISTANCE FROM DOOR WITH ARCHITECT.
- E. DUCT INSULATION MATERIALS SHALL MEET SMOKE AND FLAME SPREAD REQUIREMENTS FOR PLENUM INSULATION.
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- H. PROVIDE MANUAL BALANCE DAMPERS FOR EACH EXHAUST, SUPPLY, AND RETURN GRILLE WHERE AN AIR VOLUME HAS BEEN PROVIDED.
- I. INSTALL BALANCE DAMPERS AS FAR AWAY FROM GRILLES OR DIFFUSERS SERVED AS PRACTICALLY POSSIBLE AND IN AN EASILY ACCESSIBLE LOCATION.
- J. ALL PIPING SHALL BE INSULATED PER THE SPECIFICATION.
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- O. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM.

**KEY NOTES**

- 1. INSTALL EXISTING SUPPLY GRILLE IN SAME LOCATION AFTER ROOM FINISHING HAS BEEN COMPLETED.
- 2. INSTALL EXISTING FLOOR SUPPLY GRILLE IN NEW LOCATION AS SHOWN.
- 3. PROVIDE NEW FIRE DAMPER COMPLETE WITH ACCESS DOOR AT FIRE SEPARATION.
- 4. PROVIDE ACOUSTIC RETURN ELBOW WITHIN DROPPED CEILING. ELBOW SHALL HAVE 25MM THICK ACOUSTIC LINING AND BE CONFIGURED AS SHOWN.
- 5. PROVIDE NEW SECURITY GRADE LOUVERED SUPPLY GRILLE WITHIN EXISTING OPENING. CONNECT GRILLE INTO DUCTWORK WITHIN CRAWLSPACE COMPLETE WITH DIRT POCKET WITH REMOVABLE PANEL.



1 MAIN - MECHANICAL RENOVATION PLAN - MANITOU  
M2.4 SCALE: 1 : 50





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KEYPLAN:

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CLIENT REF. #: OGH-46-10

PROJECT:

MANITOU RCMP DETACHMENT

MANITOU, MB

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Table with 3 columns: PROJECT NO., ORIGINAL SCALE, DESIGNED BY. Values: 17042, NTS, ML/AM.

Table with 3 columns: CHECKED BY, DRAWN BY, DISCIPLINE. Values: JF/MJP, ML/AM, ELECTRICAL.

ELECTRICAL SYMBOLS AND ABBREVIATIONS

Table with 3 columns: SHEET NUMBER, SHEET #, ISSUE. Values: E0.1, 1 OF 9, 0.

GENERAL ELECTRICAL NOTES

- A. THE GENERAL NOTES AS DESCRIBED HEREIN, APPLY TO ALL DRAWINGS IN THIS PACKAGE WHERE APPLICABLE. PENETRATIONS IN WALLS OR SEPARATIONS, REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED WITH AN APPROVED MATERIAL. EXPOSED WIRING SHALL NOT BE PERMITTED. WIRING SHALL BE RECESSED IN WALL, OR WHERE WALLS ARE NOT ACCESSIBLE DUE TO WALL CONSTRUCTION (CONCRETE BLOCK, CONCRETE, BRICK, ETC), PROVIDE CONDUIT AS REQUIRED TO CONCEAL SAME. REFER TO ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS, INCLUDING MILLWORK DETAILS AND SHOP DRAWINGS FOR COORDINATION OF ELECTRICAL DEVICE LOCATIONS, METHOD OF INSTALLATION & MOUNTING HEIGHTS. ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS. UNLESS NOTED OTHERWISE, THE CIRCUITING INDICATED ON THE DRAWINGS IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING REQUIREMENTS ON SITE. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING AND VOLTAGE DROP REQUIREMENTS, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE. MINIMUM CONDUIT SIZE SHALL BE 21mm (3/4") UNLESS NOTED OTHERWISE. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT/LINE. EMPTY CONDUIT SHALL BE C/W FULL WIRE AND ELASTIC BUSHINGS. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILING SHALL BE INSTALLED WITH 6" LONG FLEXIBLE METAL CONDUIT. WHERE CONNECTED TO A 20A, BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SIMPLEX OR DUPLEX), THE RECEPTACLE SHALL BE RATED AT 20A. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS, INCLUDING THE FOLLOWING, UNLESS NOTED OTHERWISE: REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND GENERAL CONSTRUCTION WITH GENERAL CONSTRUCTION, AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEYNOTES IN THIS DRAWING PACKAGE, UNLESS NOTED OTHERWISE. THE TERM "DEMOLISH" SHALL INCLUDE THE COMPLETE REMOVAL OF THE EXISTING ITEM IDENTIFIED, C/W ASSOCIATED WIRING, CONDUIT AND JUNCTION BOXES BACK TO LAST REMAINING DEVICE OR SOURCE. CIRCUITS FREED UP FROM DEMOLISHED ELECTRICAL, SHALL BECOME SPARE. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS. AS INDICATED IN THE GENERAL NOTES, DEMOLITION NOTES, AND KEYNOTES IN THIS DRAWING PACKAGE, UNLESS NOTED OTHERWISE, THE TERM "RELOCATE" SHALL INCLUDE THE COMPLETE RELOCATION OF THE EXISTING ITEM IDENTIFIED IN ITS CURRENT LOCATION ON THE DEMOLITION DRAWINGS, TO THE NEW LOCATION AS INDICATED ON THE RENOVATION DRAWINGS. INCLUDE ALL LABOUR AND MATERIALS TO DEMOLISH AND RELOCATE THE EXISTING CIRCUITRY AS REQUIRED TO ACCOMMODATE THE RELOCATION. REFER TO THE RENOVATION DRAWING KEY NOTES FOR FURTHER REQUIREMENTS. SITE CONFIRM ANY ELECTRICAL, WITHIN AREAS OF RENOVATION REQUIRING RELOCATION TO ACCOMMODATE THE RENOVATION. PROVIDE WIRE AND CONDUIT AS REQUIRED FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED. PROVIDE CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY COMMUNICATIONS/DATA SYSTEMS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED. PROVIDE BLANK COVERPLATES OVER ALL EXISTING UNUSED OPENINGS. DEMOLISH ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED. ALL NEW WIRING SHALL BE CONCEALED WHERE POSSIBLE. UTILIZE CRAWLSPACE AND/OR ACCESSIBLE CEILING SPACE TO RUN NEW WIRING AS REQUIRED AND FISH INTO WALL/MILLWORK. WHERE EXISTING WALLS ARE TO BE OPENED FOR INSTALLATION OF NEW WIRING, COORDINATE WITH GENERAL CONTRACTOR ROUTING OF SAME. ARRANGE AND PAY FOR ALL CUTTING/REPAIR/PATCHING AS REQUIRED. WHERE BRANCH CIRCUIT BREAKERS ARE REMOVED, PROVIDE FILLER PLATES FOR BREAKER SPACES. CIRCUIT BREAKERS SHALL MATCH EXISTING. CONFIRM SHORT CIRCUIT RATING AND TYPE ON SITE, PRIOR TO FINALIZING PRICING. UTILIZE SPARE/FREED UP CIRCUITS FROM DEMOLITION AS REQUIRED TO ACCOMMODATE THE ADDITIONAL CIRCUITING REQUIREMENTS IN THE RENOVATION. PROVIDE NEW TYPEWRITTEN PANEL DIRECTORIES TO ACCOMMODATE UPDATED CIRCUITING. NEW BREAKERS IN DISTRIBUTION PANELS SHALL BE LABELLED USING LAMACOIDS.

ELECTRICAL SYMBOL LEGEND

Table with columns: HT AFF, SYMBOL, DESCRIPTION, HT AFF, SYMBOL, DESCRIPTION, HT AFF, SYMBOL, DESCRIPTION, HT AFF, SYMBOL, DESCRIPTION. Lists symbols for lighting, equipment, lighting control, fire alarm, and security.

ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED. DEVICES INDICATED AT 47" MAY NOT BE INSTALLED WITH ANY OPERABLE PART HIGHER THAN 47". DEVICES MAY BE INSTALLED IN CONCRETE MASONRY UNITS WITH THE TOP OF THE DEVICE AT 47". \* DISTANCE ABOVE TOP OF DOOR FRAME \*\* DISTANCE TO TOP OF EQUIPMENT OR DEVICE \*\*\* DISTANCE TO HIGHEST OPERABLE PART OF EQUIPMENT \*\*\*\* DISTANCE BELOW CEILING \*\*\*\*\* DISTANCE TO BOTTOM OF DEVICE \*\*\*\*\* DISTANCE ABOVE COUNTER

SPECIFIC CODE NOTES

FIRE PROTECTION REQUIREMENTS

- A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRE STOPPED WITH AN APPROVED MATERIAL. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE STOPPED. OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR PARTITION. OUTLET BOXES ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES. LIGHT FIXTURES AND OTHER APPARATUS INSTALLED IN AN ACOUSTICAL CEILING GRID SHALL BE INDEPENDENTLY SUPPORTED. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING ASSEMBLIES SHALL BE FIRE RATED FIXTURES BEARING THE ULC FIRE RATED LABEL. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE ULC FIRE RESISTANCE DIRECTORY, AND SHALL INCLUDE A FIRE RATED ENCLOSURE INSTALLED OVER THE FIXTURE THAT MEETS THE REQUIREMENTS OF THE ULC FIRE RESISTANCE DIRECTORY.

ELECTRICAL DRAWINGS

- RCMP OFFICE - MANITOU
E0.1 ELECTRICAL SYMBOLS AND ABBREVIATIONS
E1.1 ELECTRICAL SITE PLAN
ED2.0 BASEMENT FLOOR - DEMOLITION PLAN
ED2.1 MAIN FLOOR - DEMOLITION PLAN
EL2.0 BASEMENT FLOOR - LIGHTING PLAN
EL2.1 MAIN FLOOR - LIGHTING PLAN
EP2.0 BASEMENT FLOOR - POWER PLAN
EP2.1 MAIN FLOOR - POWER PLAN
E6.1 ELECTRICAL SCHEDULES

ELECTRICAL SYMBOL NOTES

Diagrammatic notes explaining electrical symbols. Includes examples for lighting fixture types (FL01, EX18U1), motor connections (SF-1), electric heater connections (H10), transformers (T1), panelboards (LPN-102), and conduit specifications (2# 12 CONDUCTORS IN 3/4" CONDUIT).

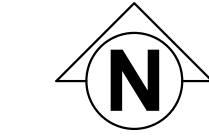
ELECTRICAL ABBREVIATIONS LIST (MA)

Table listing electrical abbreviations and their meanings. Columns include: 1P (1 POLE), A (AMPERE), ADO (AUTOMATIC DOOR OPENER), AFF (ABOVE FINISHED FLOOR), ANNIN (ANNUNCIATOR), APPROX (APPROXIMATELY), ARCH (ARCHITECT, ARCHITECTURAL), AUTO (AUTOMATIC), AUX (AUXILIARY), AWG (AMERICAN WIRE GAUGE), BLDG (BUILDING), C (CONDUIT), CAB (CABINET), CB (CIRCUIT BREAKER), CKT (CIRCUIT), CLG (CEILING), CONN (CONNECTION), CONST (CONSTRUCTION), CONT (CONTINUATION OR CONTINUOUS), CONTR (CONTRACTOR), CTR (CENTER), CU (COPPER), C/W (COMPLETE WITH), DET (DETAIL), DIA (DIAMETER), DISC (DISCONNECT), DIST (DISTRIBUTION), DN (DOWN), DWG (DRAWING), EC (ELECTRICAL CONTRACTOR), ELEC (ELECTRIC, ELECTRICAL), EM (EMERGENCY), EMT (ELECTRICAL METALLIC TUBING), EQUIP (EQUIPMENT), EXIST (EXISTING), FA (FIRE ALARM), FACP (FIRE ALARM CONTROL PANEL), FIXT (FIXTURE), FLR (FLOOR), FR (REFRIGERATOR), GC (GENERAL CONTRACTOR), GFI (GROUND FAULT CIRCUIT INTERRUPTER), GYP BD (GYPSUM BOARD), HORIZ (HORIZONTAL), HT (HEIGHT), HTR (HEATER), HVAC (HEATING, VENTILATING AND AIR CONDITIONING), INCAND (INCANDESCENT), IPLC (INTELLIGENT PARKING LOT CONTROLLER), J-BOX (JUNCTION BOX), KW (KILOWATT), LOC (LOCATE OR LOCATION), LT (LIGHT), LTG (LIGHTING), MAX (MAXIMUM), MCB (MAIN CIRCUIT BREAKER), MDC (MAIN DISTRIBUTION CENTER), MDP (MAIN DISTRIBUTION PANEL), MEC (MECHANICAL CONTRACTOR), MFR (MANUFACTURER), MFS (MAIN FUSED DISCONNECT SWITCH), MIN (MINIMUM), MISC (MISCELLANEOUS), MLO (MAIN LUGS ONLY), MT (MOUNT), MTD (MOUNTED), MW (COORDINATED IN MILLWORK), NEC (NATIONAL ELECTRICAL CODE), NIC (NOT IN CONTRACT), NL (NIGHT LIGHT), NTS (NOT TO SCALE), PB (PULL BOX OR PUSHBUTTON), PED (PEDESTAL), PH (PHASE), PNL (PANEL), PVC (POLYVINYL CHLORIDE (CONDUIT)), PWR (POWER), QUAN (QUANTITY), R (RELOCATED), RCPT (RECEPTACLE), REQD (REQUIRED), SC (SURFACE CONDUIT), SHT (SHEET), SIM (SIMILAR), SPEC (SPECIFICATION), SP (SPARE), SU (SUMP PUMP), SURF (SURFACE MOUNTED), SW (SWITCH), SYM (SYMMETRICAL), SYS (SYSTEM), TEL/DATA (TELEPHONE/DATA), TYP (TYPICAL), UC (UNDER COUNTER), UT (UTILITY), V (VOLT), VA (VOLT-AMPERES), VERT (VERTICAL), W (WATT), W/ (WITH), WG (WIRE GUARD), W/O (WITHOUT), WP (WEATHERPROOF).









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KEY PLAN:

SEAL:



CLIENT:



CLIENT REF. #: OGH-46-10

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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DISCIPLINE: **ELECTRICAL**

TITLE:  
**BASEMENT FLOOR - DEMOLITION PLAN**

SHEET NUMBER:  
**ED2.0**

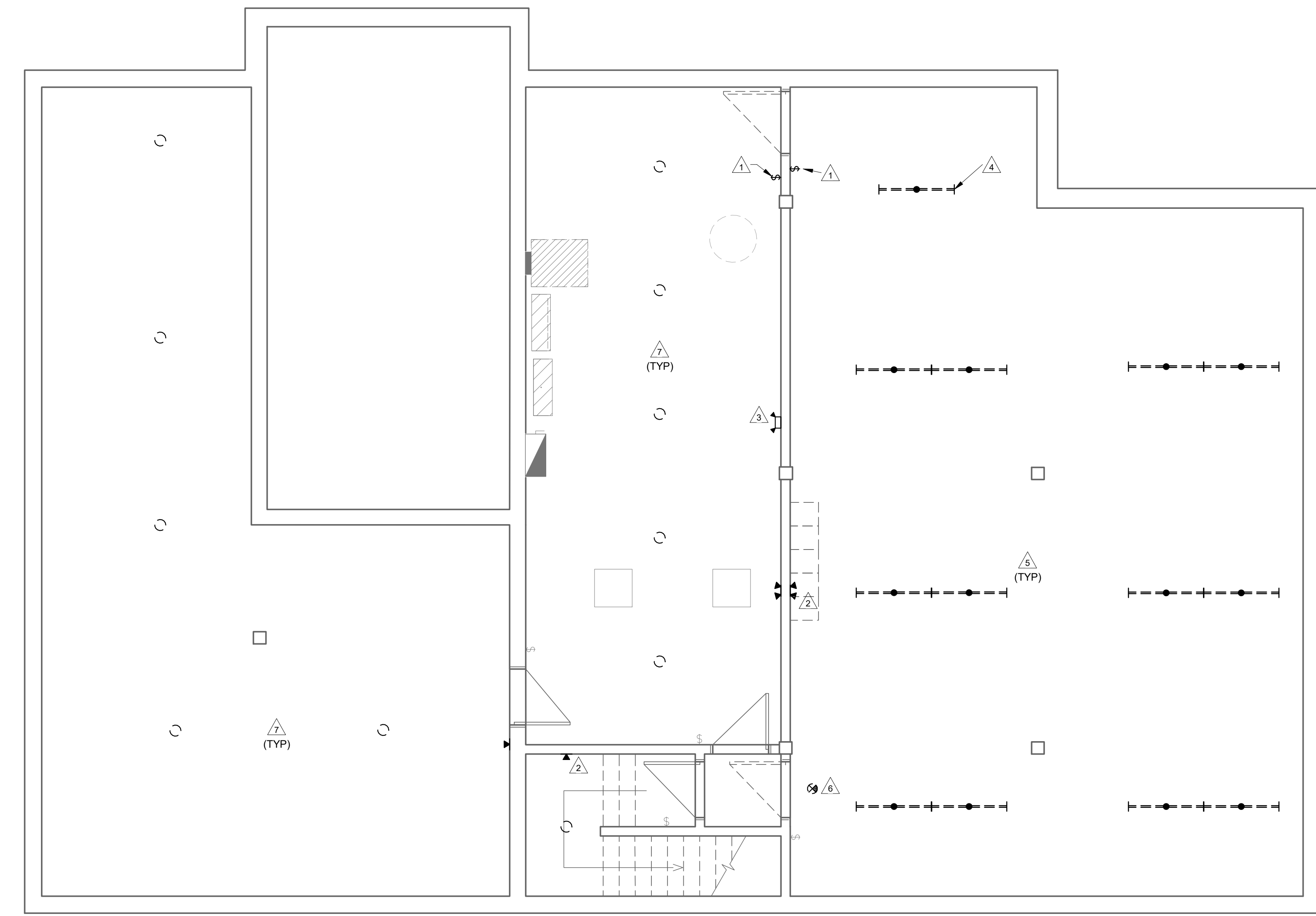
SHEET #: 3 OF 9  
ISSUE: --  
DATE OF: --  
RV #:  
**0**

**GENERAL NOTES**

- A. DRAWING RECORDS OF THE EXISTING FLOOR PLANS HAVE BEEN COMPILED FROM INFORMATION SUBMITTED BY THE OWNER AND FROM SITE OBSERVATIONS AS NOTED BY THE CONSULTANT. THE ACCURACY OF THESE DRAWING RECORDS IS LIMITED TO THE EXTENT OF KNOWN CONSTRUCTION INFORMATION.
- B. WIRING OF LIGHT FIXTURES TO BE MODIFIED AND EXTENDED AS REQUIRED. UTILIZE EXISTING CIRCUITS AND CONTROL UNLESS OTHERWISE NOTED.

**KEY NOTES**

- 1. DEMOLISH SWITCH.
- 2. REMOVE AND REPLACE ALL EXISTING EMERGENCY LIGHTING REMOTE HEADS. REFER TO LIGHTING FIXTURE SCHEDULE.
- 3. REMOVE AND REPLACE BATTERY BANK. REFER TO EMERGENCY BATTERY BANK SCHEDULE.
- 4. DEMOLISH LIGHT FIXTURE.
- 5. RETAIN CHAIN HANGER AND FEEDER FOR NEW STRIP LIGHTING.
- 6. REMOVE AND REPLACE EXIT SIGNS WITH PICTOGRAM STYLE EXIT SIGNS. REFER TO LIGHTING FIXTURE SCHEDULE.
- 7. REMOVE EXISTING LAMP AND REPLACE WITH A19 LED LAMP WITH MEDIUM BASE.



1 BASEMENT - ELECTRICAL DEMOLITION PLAN - MANITOU  
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DISCIPLINE: **ELECTRICAL**

TITLE:  
**MAIN FLOOR - DEMOLITION PLAN**

SHEET NUMBER:  
**ED2.1**

SHEET #: 4 OF 9  
ISSUE: --  
DATE OF: --  
RV #:  
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- B. WIRING OF LIGHT FIXTURES TO BE MODIFIED AND EXTENDED AS REQUIRED. UTILIZE EXISTING CIRCUITS AND CONTROL UNLESS OTHERWISE NOTED.

**KEY NOTES**

- 1 REMOVE LIGHT SWITCH. RELOCATE DEVICE BOX TO INSIDE OFFICE.



1 MAIN FLOOR - ELECTRICAL DEMOLITION PLAN - MANITOU  
ED2.1 SCALE: 1 : 50





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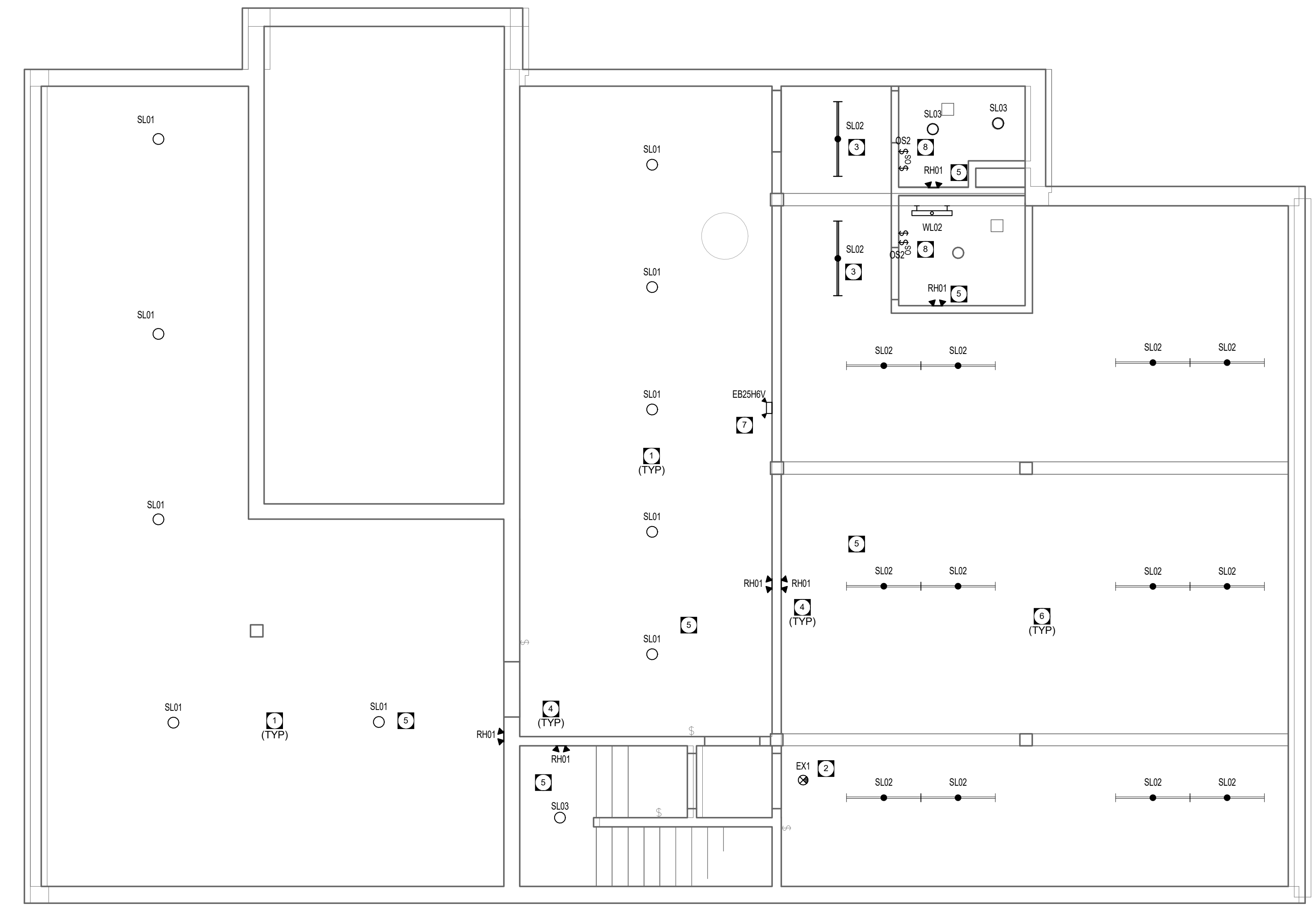
TITLE: <b>BASEMENT FLOOR - LIGHTING PLAN</b>	
SHEET NUMBER: <b>EL2.0</b>	
SHEET #: 5 OF 9	
ISSUE: --	RV #: <b>0</b>
DATE OF: --	

**GENERAL NOTES**

- A. WHERE NEW TOGGLE SWITCHES, OR DIMMER CONTROLS ARE ADJACENT EACH OTHER, PROVIDE GANGED SWITCHING TO ACCOMMODATE TOTAL NUMBER OF SWITCHES, UNLESS NOTED OTHERWISE.
- B. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6" LONG FLEXIBLE METAL CONDUIT.
- C. ALL MOUNTING HEIGHTS FOR LUMINAIRES ARE TO THE BOTTOM OF THE LUMINAIRE UNLESS NOTED OTHERWISE.
- D. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR OR INTERIOR LUMINAIRES.
- E. WIRING OF LIGHT FIXTURES TO BE MODIFIED AND EXTENDED AS REQUIRED. UTILIZE EXISTING CIRCUITS AND CONTROL UNLESS OTHERWISE NOTED.

**KEY NOTES**

- 1 REMOVE EXISTING LAMP AND REPLACE WITH A19 LED LAMP WITH MEDIUM BASE.
- 2 REMOVE AND REPLACE EXIT SIGNS WITH PICTOGRAM STYLE EXIT SIGNS, REFER TO LIGHTING FIXTURE SCHEDULE.
- 3 CIRCUIT NEW LIGHT FIXTURES TO EXISTING POWER AND CONTROL.
- 4 REMOVE AND REPLACE ALL EXISTING EMERGENCY LIGHTING REMOTE HEADS. REFER TO LIGHTING FIXTURE SCHEDULE.
- 5 CONNECT LIGHTING CIRCUITS THIS AREA TO ZONE SENSING RELAY FOR CORRESPONDING EMERGENCY LIGHTING BATTERY UNIT.
- 6 REMOVE AND REPLACE LIGHT FIXTURE ONLY. USE EXISTING CHAIN HANGERS, WIRING AND CONTROL.
- 7 ALL EMERGENCY REMOTE HEAD FIXTURES TO BE WIRED AND CONNECTED TO BATTERY BANK IN MECHANICAL ROOM.
- 8 PROVIDE DUAL GANGS BOX FOR LIGHT SWITCH AND EXHAUST FAN TIMER. PROVIDE 20/40/60 MINUTE TIMER. WIRE AND CONNECT TO NEW EXHAUST FAN IN MECHANICAL ROOM.



**1** BASEMENT - LIGHTING PLAN - MANITOU  
EL2.0 SCALE: 1 : 50





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**MANITOU, MB**

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TITLE:

**MAIN FLOOR - LIGHTING PLAN**

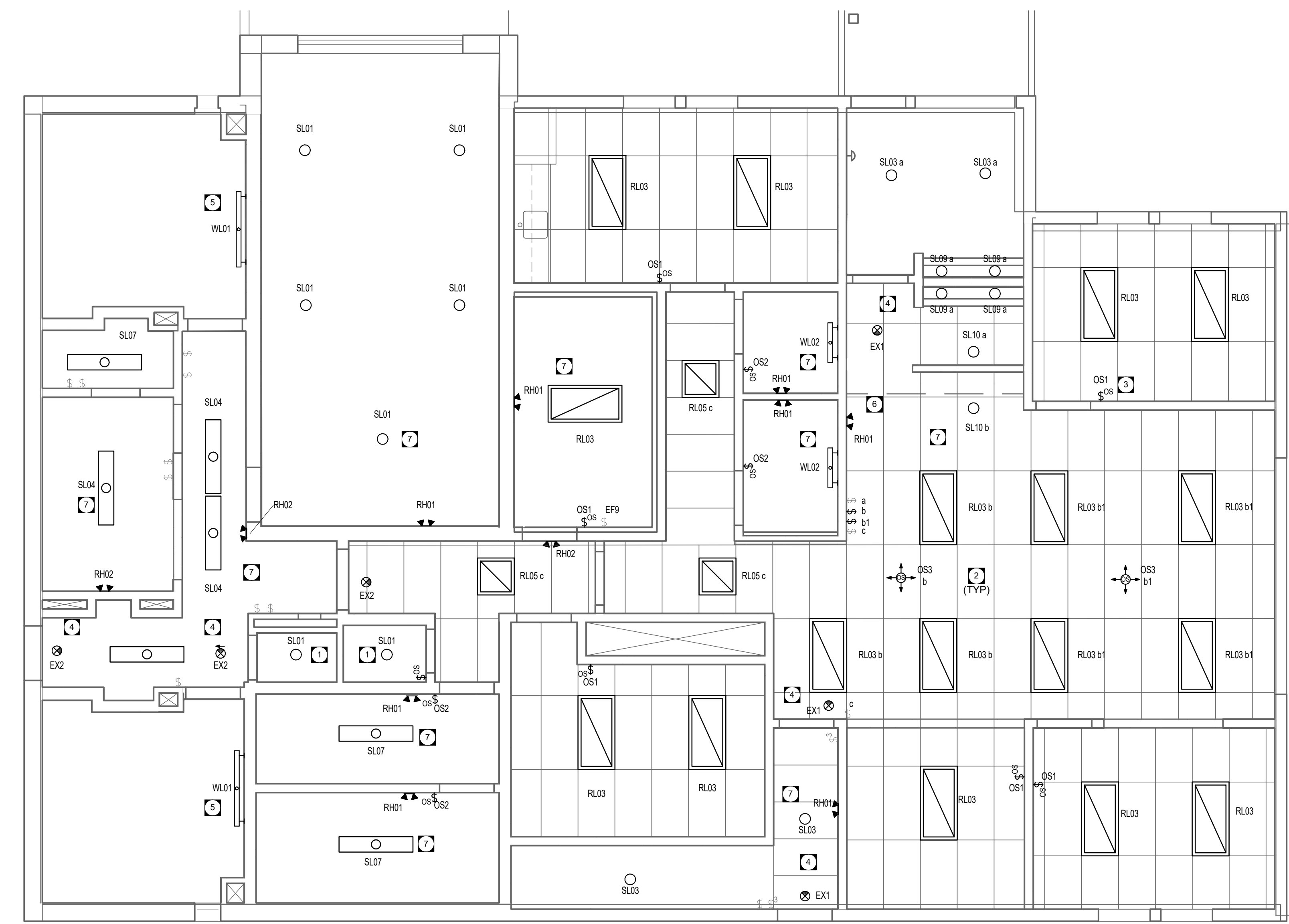
SHEET NUMBER:	<b>EL2.1</b>
SHEET #:	6 OF 9
ISSUE:	---
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GENERAL NOTES

- A. WHERE NEW TOGGLE SWITCHES, OR DIMMER CONTROLS ARE ADJACENT EACH OTHER, PROVIDE GANGED SWITCHING TO ACCOMMODATE TOTAL NUMBER OF SWITCHES, UNLESS NOTED OTHERWISE.
- B. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6" LONG FLEXIBLE METAL CONDUIT.
- C. ALL MOUNTING HEIGHTS FOR LUMINAIRES ARE TO THE BOTTOM OF THE LUMINAIRE UNLESS NOTED OTHERWISE.
- D. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR OR INTERIOR LUMINAIRES.
- E. WIRING OF LIGHT FIXTURES TO BE MODIFIED AND EXTENDED AS REQUIRED. UTILIZE EXISTING CIRCUITS AND CONTROL UNLESS OTHERWISE NOTED.

KEY NOTES

- 1 REMOVE EXISTING LAMP AND REPLACE WITH A19 LED LAMP WITH MEDIUM BASE.
- 2 PROVIDE CEILING MOUNTED OCCUPANCY CENSORS AND DIMMING WALL SWITCHES FOR MAIN OPEN OFFICE AREA.
- 3 RELOCATE LIGHT SWITCH TO INSIDE OF OFFICE.
- 4 REMOVE AND REPLACE EXIT SIGNS WITH PICTOGRAM STYLE EXIT SIGNS. REFER TO LIGHTING FIXTURE SCHEDULE.
- 5 NEW LIGHT FIXTURES IN CELLS TO UTILIZE EXISTING ON/OFF/NIGHT LIGHT CONTROL SWITCHES.
- 6 REMOVE AND REPLACE ALL EXISTING EMERGENCY LIGHTING REMOTE HEADS. REFER TO LIGHTING FIXTURE SCHEDULE.
- 7 CONNECT LIGHTING CIRCUITS THIS AREA TO ZONE SENSING RELAY FOR CORRESPONDING EMERGENCY LIGHTING BATTERY UNIT.



1 MAIN FLOOR - LIGHTING PLAN - MANITOU  
EL2.1 SCALE: 1 : 50





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CLIENT REF. #: OGH-46-10

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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**ELECTRICAL**

**BASEMENT FLOOR - POWER PLAN**

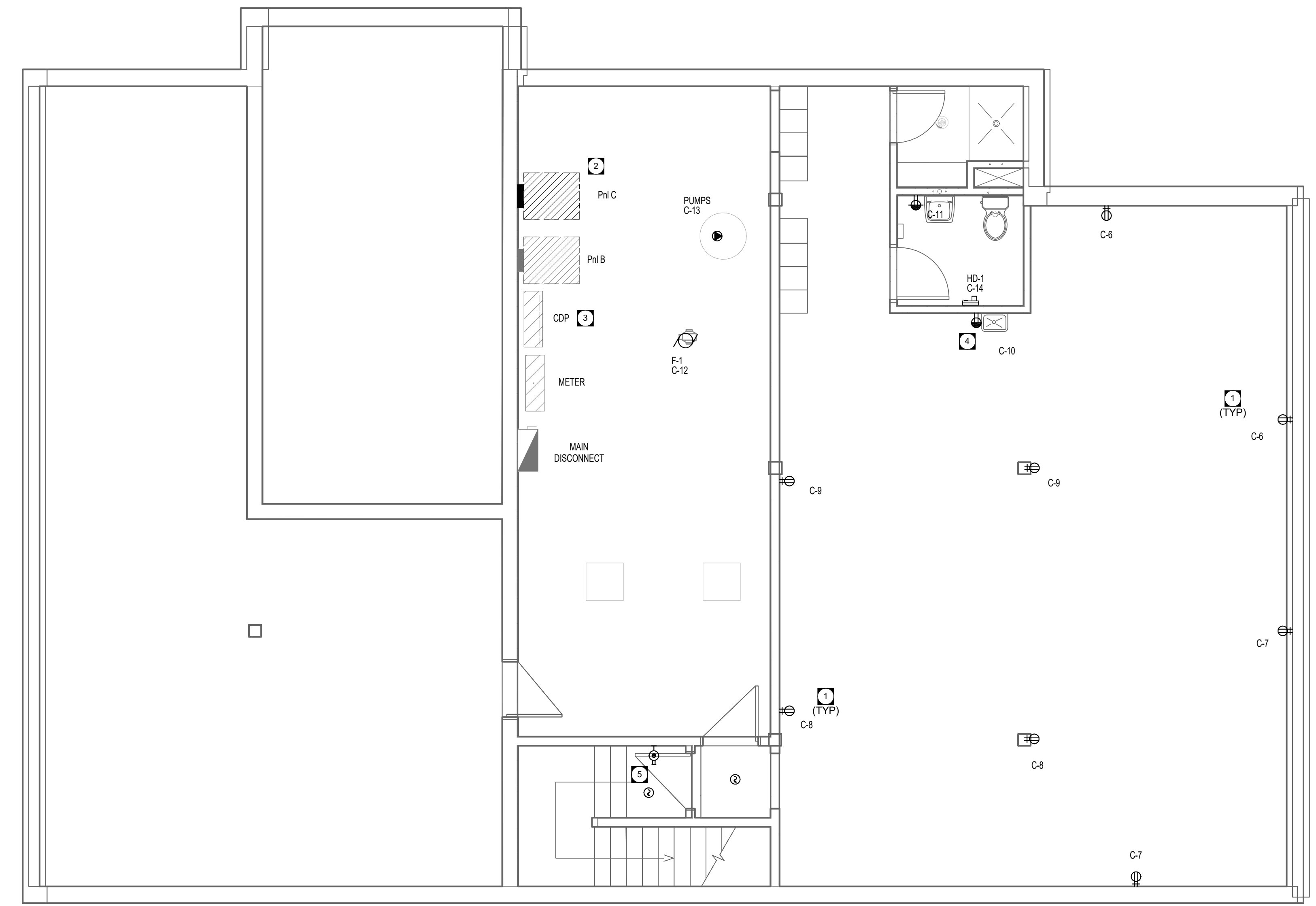
SHEET NUMBER: <b>EP2.0</b>
SHEET #: 7 OF 9
ISSUE: --
DATE OF: --
RV #: <b>0</b>

**GENERAL NOTES**

- A. FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT SHALL BE FLEXIBLE. CONFIRM FINAL CIRCUIT BREAKER AND WIRE SIZE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS. ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
- B. PROVIDE RE-VERIFICATION OF FIRE ALARM SYSTEM FOR ALL NEW AND MODIFIED DEVICES.

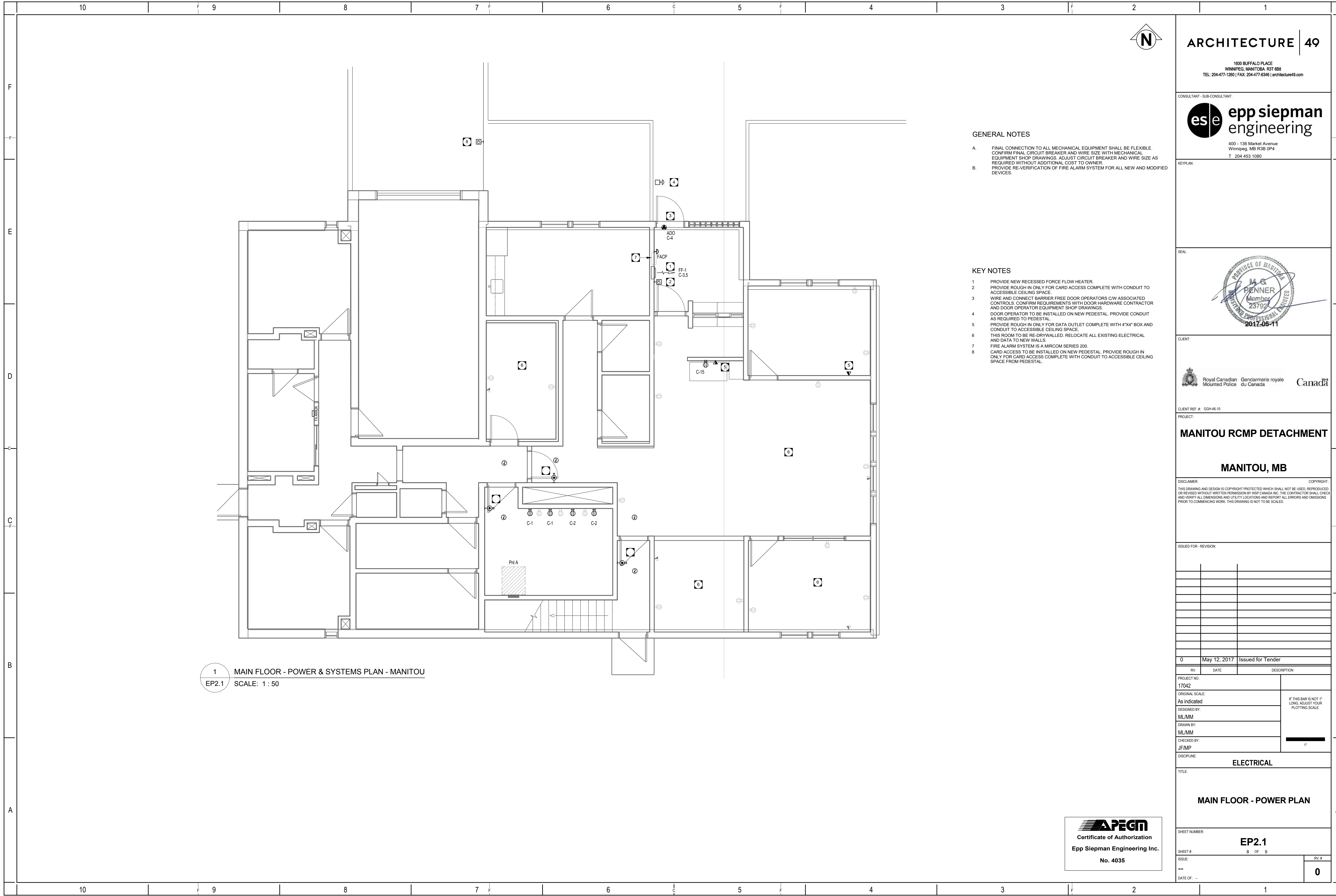
**KEY NOTES**

- 1. PROVIDE ADDITIONAL CIRCUITS FOR GYM EQUIPMENT. COORDINATE EXACT LOCATION ON SITE WITH NCO.
- 2. PROVIDE NEW 42 CIRCUIT 225A 120/240V SINGLE PHASE PANEL M.L.O. WIRE AND CONNECT FROM CDP WITH 3 - #3 RW90 + #6 BOND IN 35MM CONDUIT.
- 3. PROVIDE ONE 100A/2P BREAKER IN CDP FOR PANEL C. CDP IS A 400 AMP 120/240V FEDERAL PIONEER.
- 4. PROVIDE GFCI RECEPTACLE FOR DRINKING FOUNTAIN. COORDINATE WITH MECHANICAL AND SHOP DRAWINGS FOR EXACT LOCATION.
- 5. WIRE AND CONNECT DOOR HOLD-OPEN DEVICE. WIRE AND CONNECT TO FIRE ALARM SYSTEM. PROVIDE NEW SMOKE DETECTORS WITHIN 1.5 M OF DOOR ON BOTH SIDES. HOLD-OPEN SHALL RELEASE ON FIRE ALARM. PROVIDE RE-VERIFICATION OF FIRE ALARM SYSTEM FOR ALL NEW AND RELOCATED DEVICES.

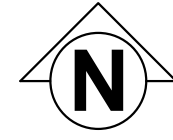


**1** BASEMENT -POWER & SYSTEMS PLAN - MANITOU  
EP2.0 SCALE: 1 : 50





1 MAIN FLOOR - POWER & SYSTEMS PLAN - MANITOU  
 EP2.1 SCALE: 1 : 50



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KEYPLAN:

SEAL:



CLIENT:



CLIENT REF. #: OGH-46-10

PROJECT:

**MANITOU RCMP DETACHMENT**

**MANITOU, MB**

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DESIGNED BY: ML/MM	
DRAWN BY: ML/MM	
CHECKED BY: JF/MP	1"
DISCIPLINE: <b>ELECTRICAL</b>	

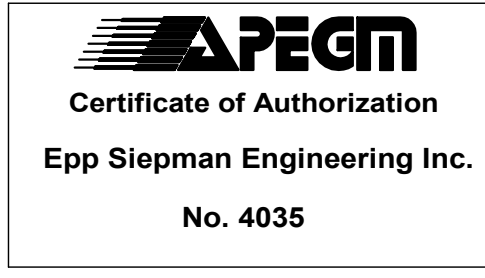
TITLE:

**MAIN FLOOR - POWER PLAN**

SHEET NUMBER:  
**EP2.1**

SHEET #: 8 OF 9  
 ISSUE: --  
 DATE OF: --

RV #  
**0**



GENERAL NOTES

- A. FINAL CONNECTION TO ALL MECHANICAL EQUIPMENT SHALL BE FLEXIBLE. CONFIRM FINAL CIRCUIT BREAKER AND WIRE SIZE WITH MECHANICAL EQUIPMENT SHOP DRAWINGS. ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COST TO OWNER.
- B. PROVIDE RE-VERIFICATION OF FIRE ALARM SYSTEM FOR ALL NEW AND MODIFIED DEVICES.

KEY NOTES

- 1. PROVIDE NEW RECESSED FORCE FLOW HEATER.
- 2. PROVIDE ROUGH IN ONLY FOR CARD ACCESS COMPLETE WITH CONDUIT TO ACCESSIBLE CEILING SPACE.
- 3. WIRE AND CONNECT BARRIER FREE DOOR OPERATORS C/W ASSOCIATED CONTROLS. CONFIRM REQUIREMENTS WITH DOOR HARDWARE CONTRACTOR AND DOOR OPERATOR EQUIPMENT SHOP DRAWINGS. DOOR OPERATOR TO BE INSTALLED ON NEW PEDESTAL. PROVIDE CONDUIT AS REQUIRED TO PEDESTAL.
- 4. PROVIDE ROUGH IN ONLY FOR DATA OUTLET COMPLETE WITH 4"x4" BOX AND CONDUIT TO ACCESSIBLE CEILING SPACE.
- 5. THIS ROOM TO BE RE-DRYWALLED. RELOCATE ALL EXISTING ELECTRICAL AND DATA TO NEW WALLS.
- 6. FIRE ALARM SYSTEM IS A MIRCOM SERIES 200.
- 7. CARD ACCESS TO BE INSTALLED ON NEW PEDESTAL. PROVIDE ROUGH IN ONLY FOR CARD ACCESS COMPLETE WITH CONDUIT TO ACCESSIBLE CEILING SPACE FROM PEDESTAL.

