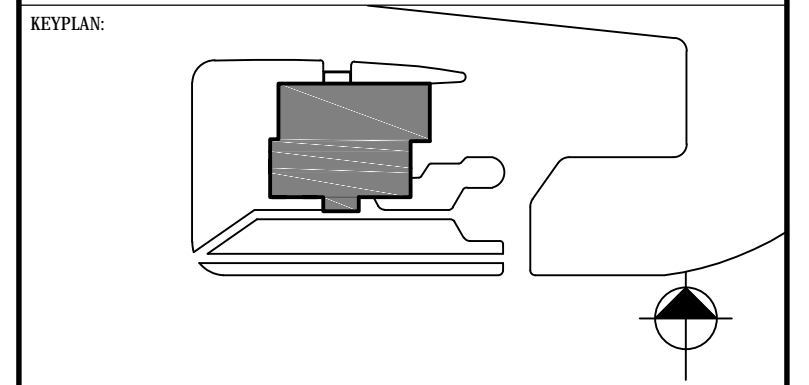


CONSULTANT - SUB CONSULTANT:



CLIENT REF. #:  
PROJECT:

**STONEWALL RCMP DETACHMENT**  
**STONEWALL, MB**

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ISSUED FOR: REVISOR:

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

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

PROJECT NO.	DATE	DESCRIPTION
149-12549-13	--	--

ORIGINAL SCALE: SEE NOTED  
DESIGNED BY: --  
DRAWN BY: MU  
CHECKED BY: AK

DISCIPLINE: ARCHITECTURE  
TITLE:

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

SHEET NUMBER: **A100**

ISSUE: 0 OF --  
ISSUED FOR TENDER

DATE OF: **0**

**DRAWING LIST**

A100 DRAWING LIST, GENERAL NOTES, LEGENDS & SCHEDULES

A101 DEMOLITION FLOOR PLAN  
A102 FLOOR PLAN  
A103 REFLECTED CEILING PLAN  
A104 SECOND FLOOR REFLECTED CEILING PLAN & DETAILS  
A105 INTERIOR ELEVATIONS & SECTIONS

E0.1 ELECTRICAL SYMBOLS AND ABBREVIATIONS

E1.1 ELECTRICAL SITE PLAN  
ED1.1 ELECTRICAL SITE DEMOLITION PLAN  
ED2.1 MAIN FLOOR - DEMOLITION PLAN  
ED2.2 SECOND FLOOR - DEMOLITION PLAN  
EL2.1 MAIN FLOOR - LIGHTING PLAN  
EL2.2 SECOND FLOOR - LIGHTING PLAN  
EP2.1 MAIN FLOOR - POWER PLAN  
EP2.2 SECOND FLOOR - POWER PLAN  
E6.1 ELECTRICAL SCHEDULES

M2.1 MAIN FLOOR - MECHANICAL DEMOLITION PLAN - STONEWALL  
M2.2 MAIN FLOOR - MECHANICAL RENOVATION PLAN - STONEWALL  
M2.3 SECOND FLOOR - MECHANICAL DEMOLITION & RENOVATION PLAN - STONEWALL  
M2.4 MECHANICAL DETAILS & SCHEDULES - STONEWALL

DOOR NO.	MAT	TYPE	FIN	C	SIZE (W x H x T)	FRAME				HDWE CODE	LABEL	NOTES
						MAT	PRO	ELEV	FIN			
101A	HMI	A	P		915X 2135 X 45	HMI		A	P	2		
101B	HM	A	P		915 X 2135 X 45	HM		A	P	1		
103A	HM	A	P		915 X 2135 X 45	HM		A	P	3		STC 51
105A	HM	A	P		915 X 2135 X 45	HM		A	P	4		STC 51
106A	HMI	A	P		915 X 2135 X 45	HMI		A	P	5		
106B	HMI	O.H DOOR			2794 X 2895							

ROOM NO.	NAME	FLOOR		WALLS NORTH			EAST			SOUTH			WEST			CEILING				NOTES
		MAT	C	MAT	FIN	C	MAT	FIN	C	MAT	FIN	C	MAT	FIN	C	MAT	FIN	C	HT	
101	VESTIBULE	RSF		WB	GWB	P	EX-WD	-	EX-WD	-	GWB	P	GWB	P	GWB	P	GWB	P	2400	
102	PUBLIC RECEPTION	RSF		RB	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	ACT				2700	
103	INTERVIEW RM	RSF		RB	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	2700	
104	MONITOR RM	EX-CONC		RB	EX-CB	P	EX-CB	P	EX-CB	P	EX-CB	P	EX-CB	P	EX-CONC	P			2400	
105	HARD INT. RM.	RSF		RB	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	2400	
106	GYM	EX-CONC		RB	EX-CB	P	GWB	P	EX-CB	P	EX-CB	P	EX-CB	P	GB	P				
107	GENERAL OFFICE	RSF		RB	GWB	P	GWB	P	GWB	P	GWB	P	GWB	P	EX-ACT				2700	

**FLOOR**  
RSF - RESILIENT SHEET FLOORING  
CONC - CONCRETE

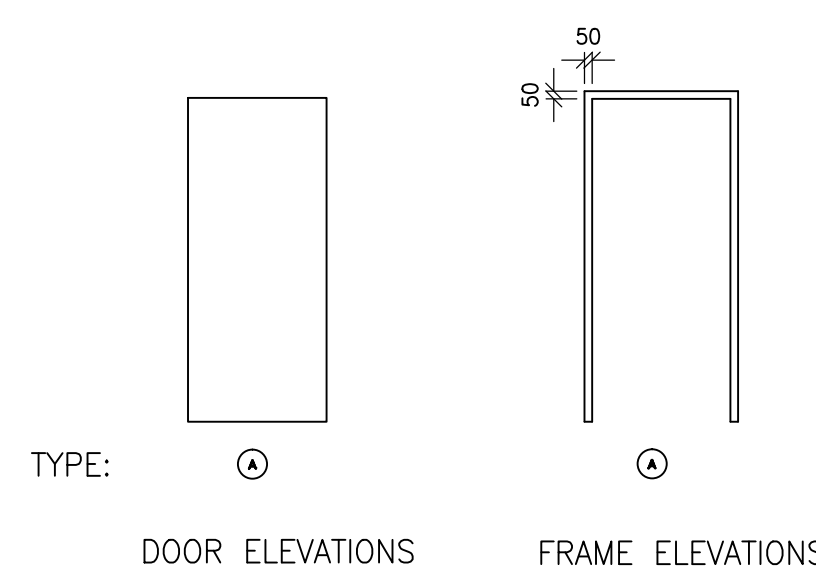
**BASE**  
WB - WOOD BASE  
RB - RUBBER BASE

**WALLS**  
GWB - GYPSUM WALL BOARD  
WD - WOOD SIDING  
CB - CONCRETE BLOCK

**FINISHES**  
P - PAINTED

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

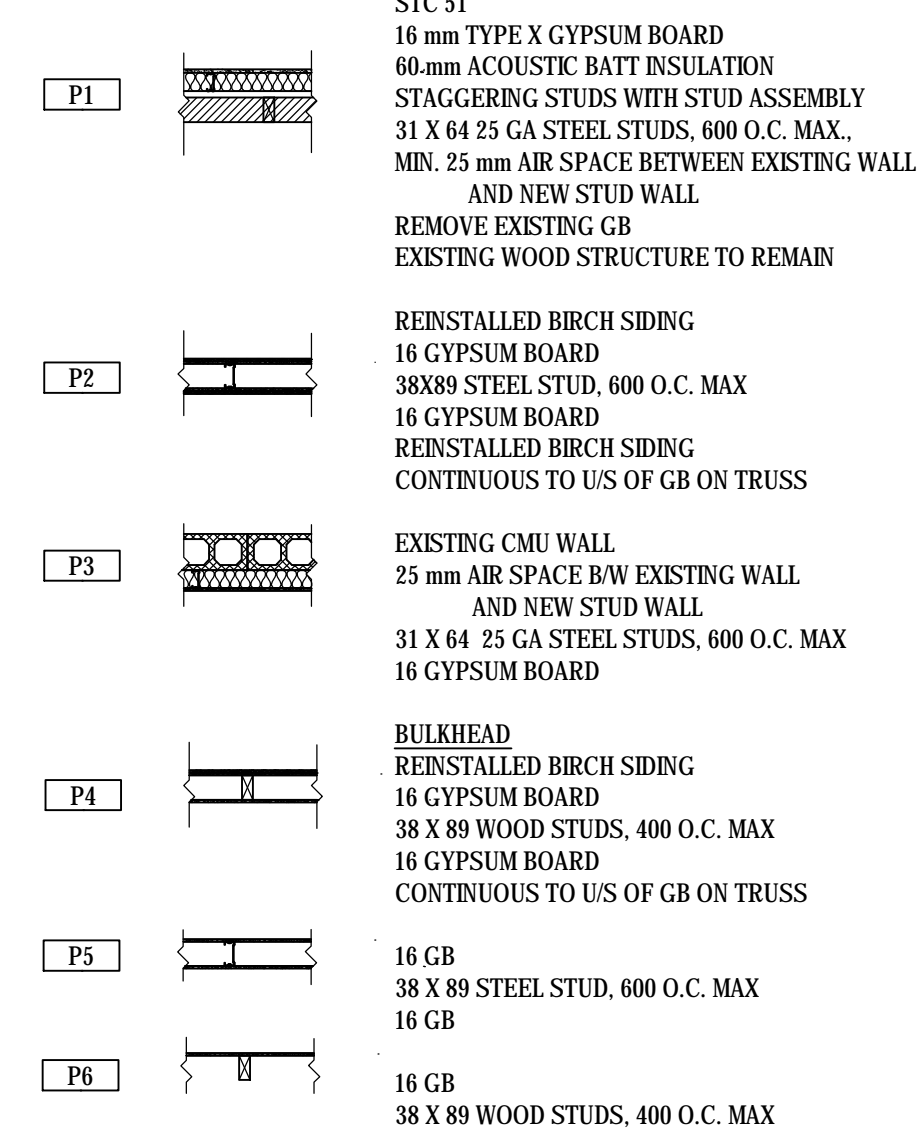
**CEILING**  
ACT - ACOUSTICS TILE  
EX - EXISTING



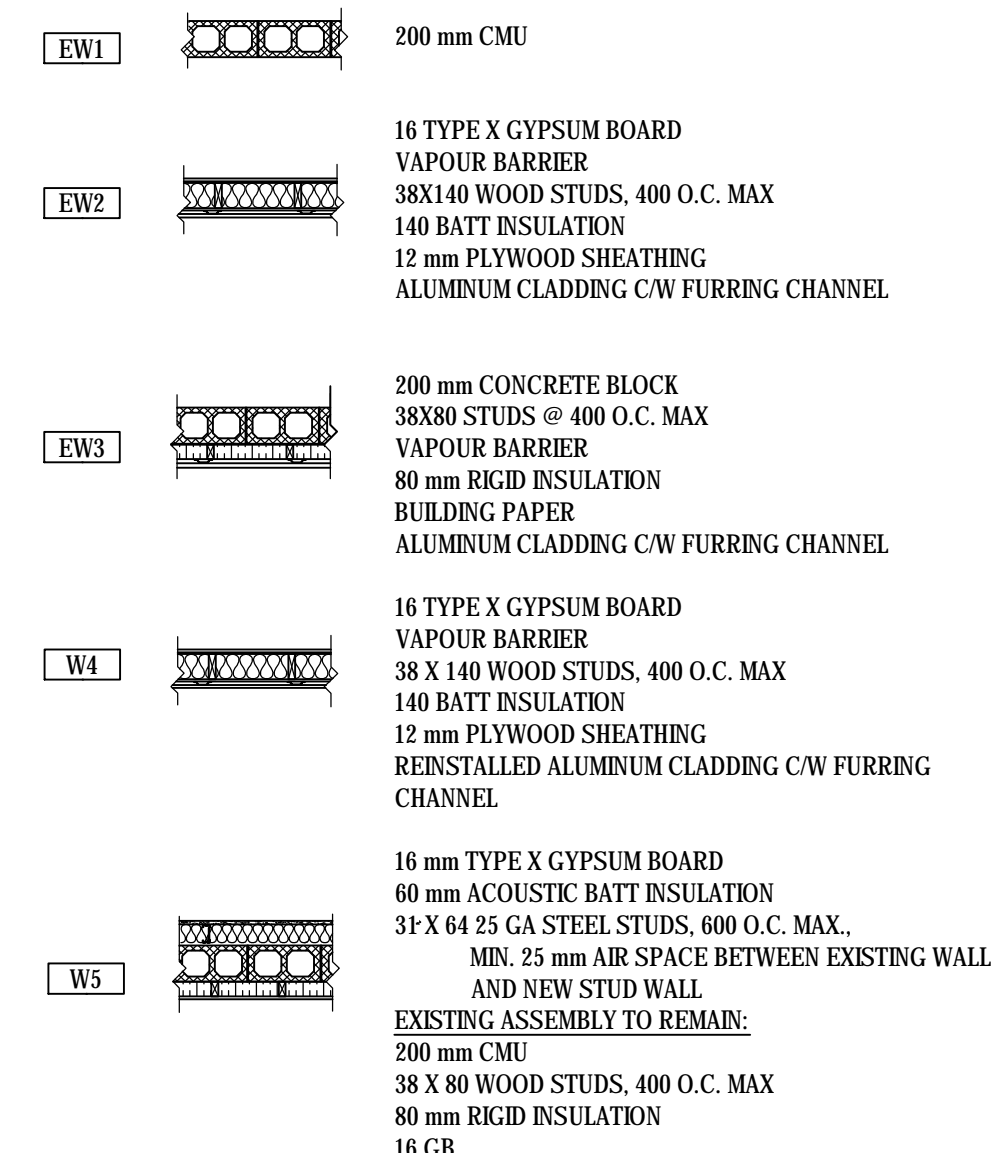
**GENERAL SHEET NOTES:**

- THESE NOTES APPLY TO ALL PROJECT DRAWINGS
- DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
- DO NOT SCALE DRAWINGS, USE DIMENSIONS ONLY.
- DIMENSIONS ON PLANS ARE TO FACE OF WALL STUDS, CONCRETE, CMU OR TO THE C OF STRUCTURAL GRIDS, UNLESS OTHERWISE NOTED.
- DIMENSIONS FOR EXISTING ELEMENTS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OR CONSTRUCTION.
- ALL DIMENSIONS AND EXISTING CONDITIONS TO BE VERIFIED BY GC PRIOR TO CONSTRUCTION COMMENCEMENT.
- WHERE NEW DOUBLE WALLS ARE CONSTRUCTED, PATCH ALL HOLES IN EXISTING GYPSUM BOARD AND MAKE FLUSH WITH EXISTING, SEALING JOINTS WITH ACOUSTIC SEALANT.
- ALL INTERIOR PARTITIONS ARE DIMENSIONED TO FACE OF FINISH, GRID LINES, OR FACE OF CONCRETE, UNLESS OTHERWISE NOTED.
- SEAL ALL PENETRATIONS THROUGH FULL HEIGHT PARTITIONS. FIRE STOP ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS. PROVIDE FIRE DAMPERS AS REQUIRED FOR ALL PENETRATIONS.
- PATCH AND MAKE GOOD ALL FLOORS, WALLS AND CEILINGS AFFECTED BY SELECTIVE DEMOLITION.
- ALL FIXTURES, EQUIPMENT, FURNITURE AND CLADDING REMOVED TO BE RETURNED TO CLIENT.
- ALL PARTITION WALLS TO US OF STRUCTURE UNLESS OTHERWISE NOTED.
- CONTRACTOR MAY CHOOSE TO USE EITHER WOOD OR STEEL STUDS.
- INFILL ANY PENETRATIONS LEFT BY THE REMOVAL OF MECHANICAL EQUIPMENT.

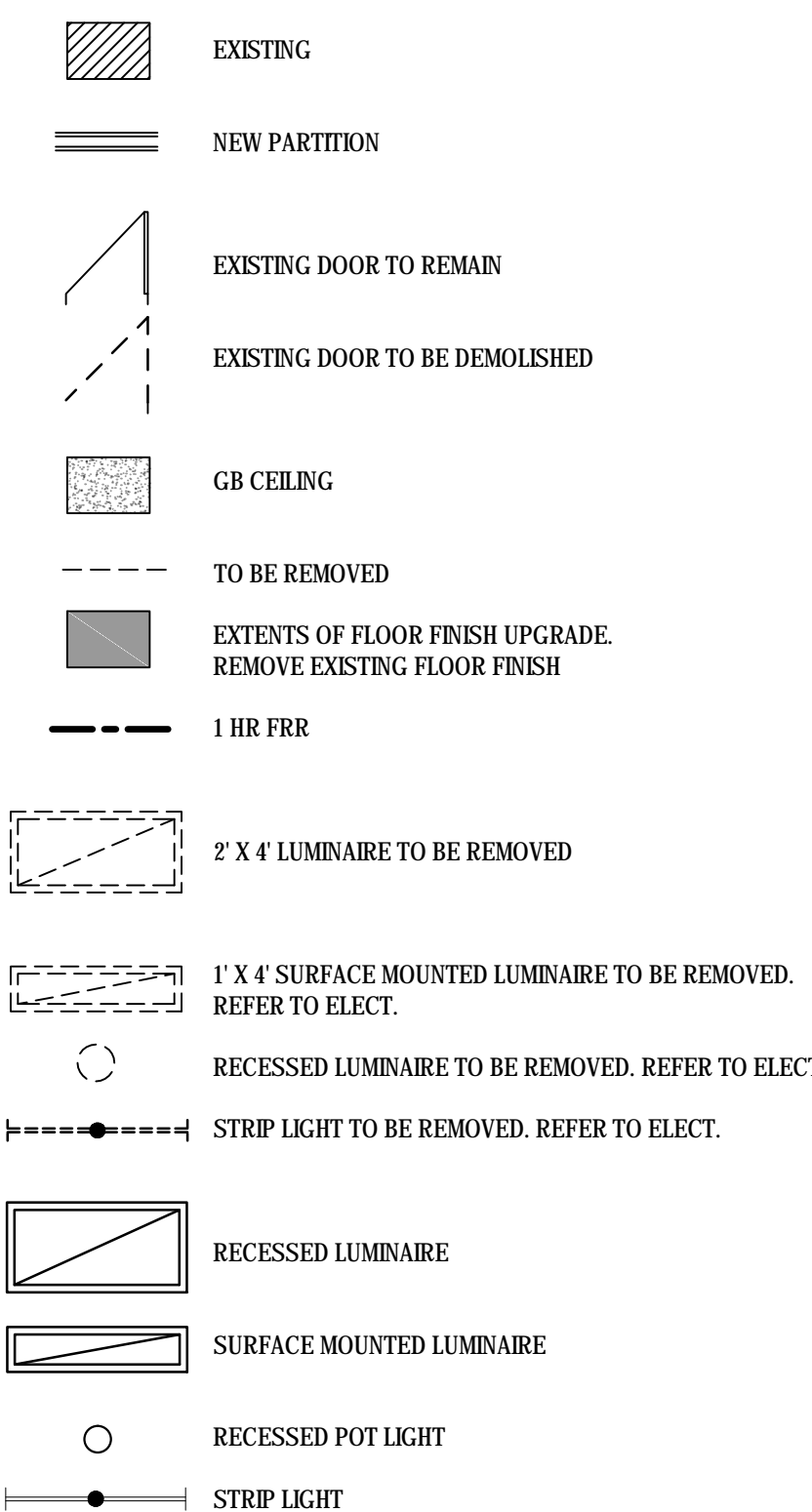
**PARTITION TYPES:**



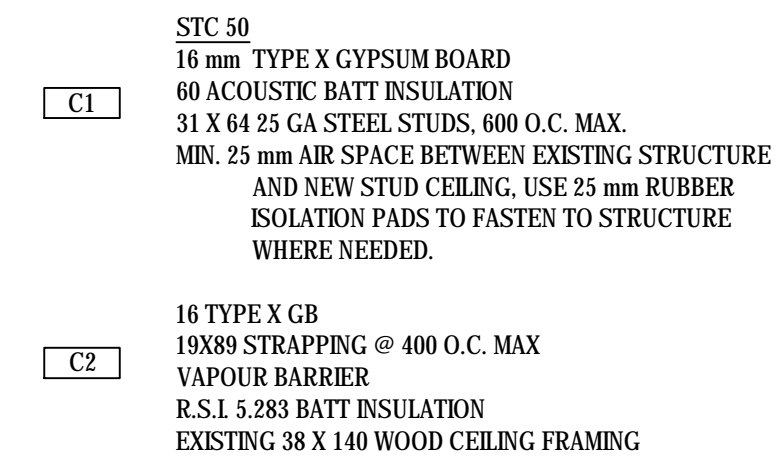
**WALL TYPES:**



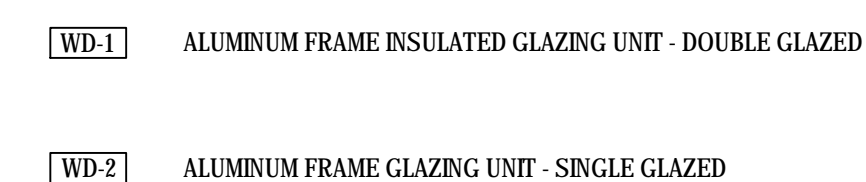
**LEGEND:**

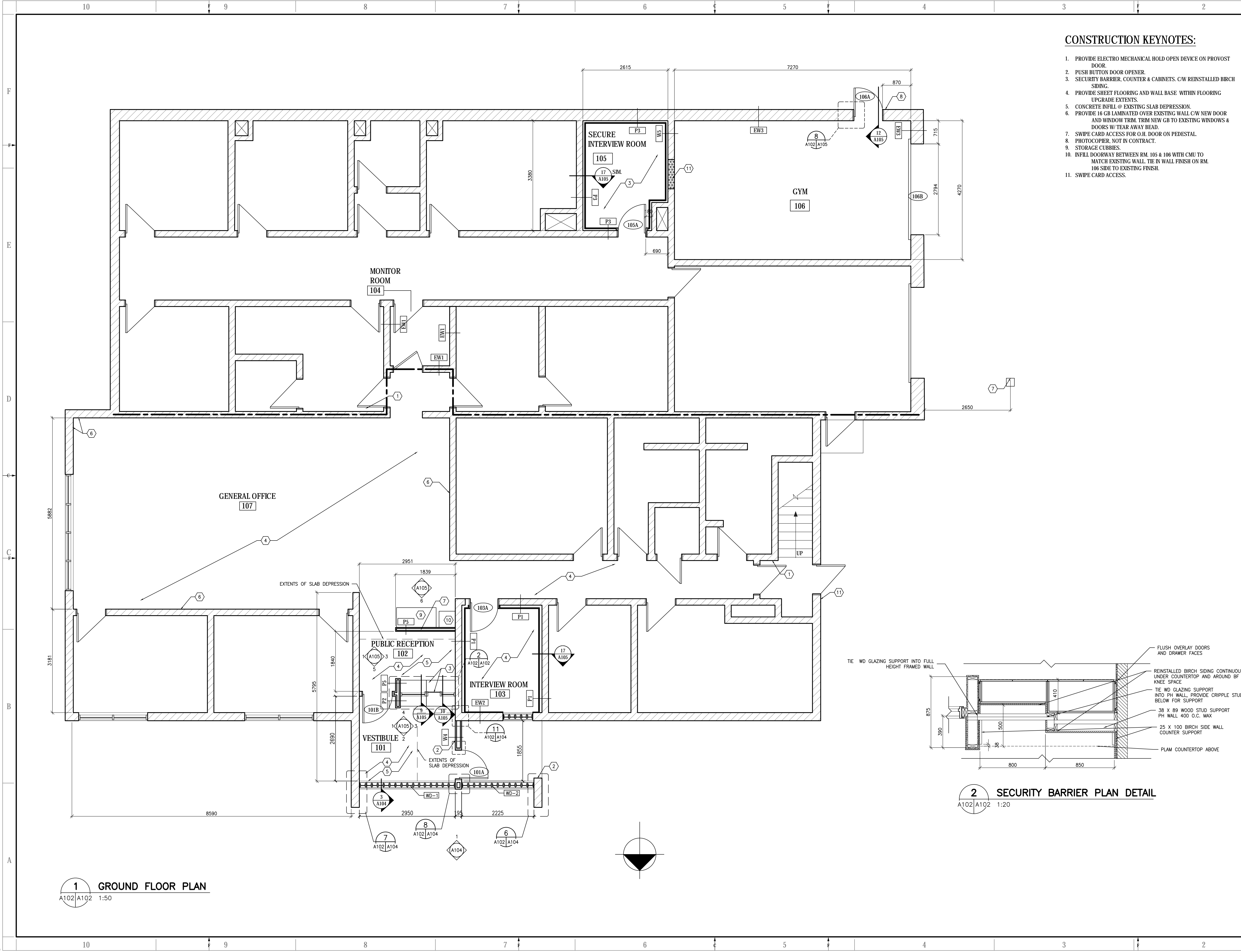


**CEILING TYPES:**



**WINDOW TYPES:**





**CONSTRUCTION KEYNOTES:**

1. PROVIDE ELECTRO MECHANICAL HOLD OPEN DEVICE ON PROVOST DOOR.
2. PUSH BUTTON DOOR OPENER.
3. SECURITY BARRIER, COUNTER & CABINETS. CAV REINSTALLED BIRCH SIDING.
4. PROVIDE SHEET FLOORING AND WALL BASE WITHIN FLOORING UPGRADE EXTENTS.
5. CONCRETE INFILL @ EXISTING SLAB DEPRESSION.
6. PROVIDE 16 GB LAMINATED OVER EXISTING WALL C/W NEW DOOR AND WINDOW TRIM. TRM NEW GB TO EXISTING WINDOWS & DOORS W/ TEAR AWAY BEAD.
7. SWIPE CARD ACCESS FOR O.H. DOOR ON PEDESTAL.
8. PHOTOCOPIER. NOT IN CONTRACT.
9. STORAGE CUBBIES.
10. INFILL DOORWAY BETWEEN RM. 105 & 106 WITH CMU TO MATCH EXISTING WALL. TIE IN WALL FINISH ON RM. 106 SIDE TO EXISTING FINISH.
11. SWIPE CARD ACCESS.

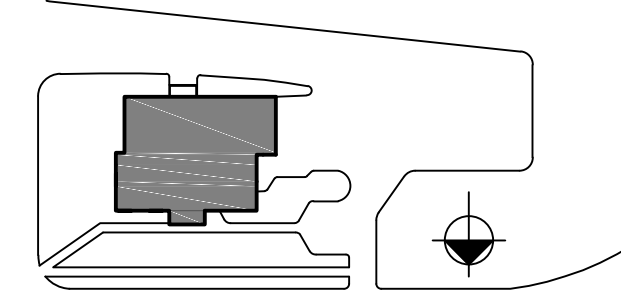
**ARCHITECTURE | 49**

1000 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:

**STONEWALL RCMP DETACHMENT**  
**STONEWALL, MB**

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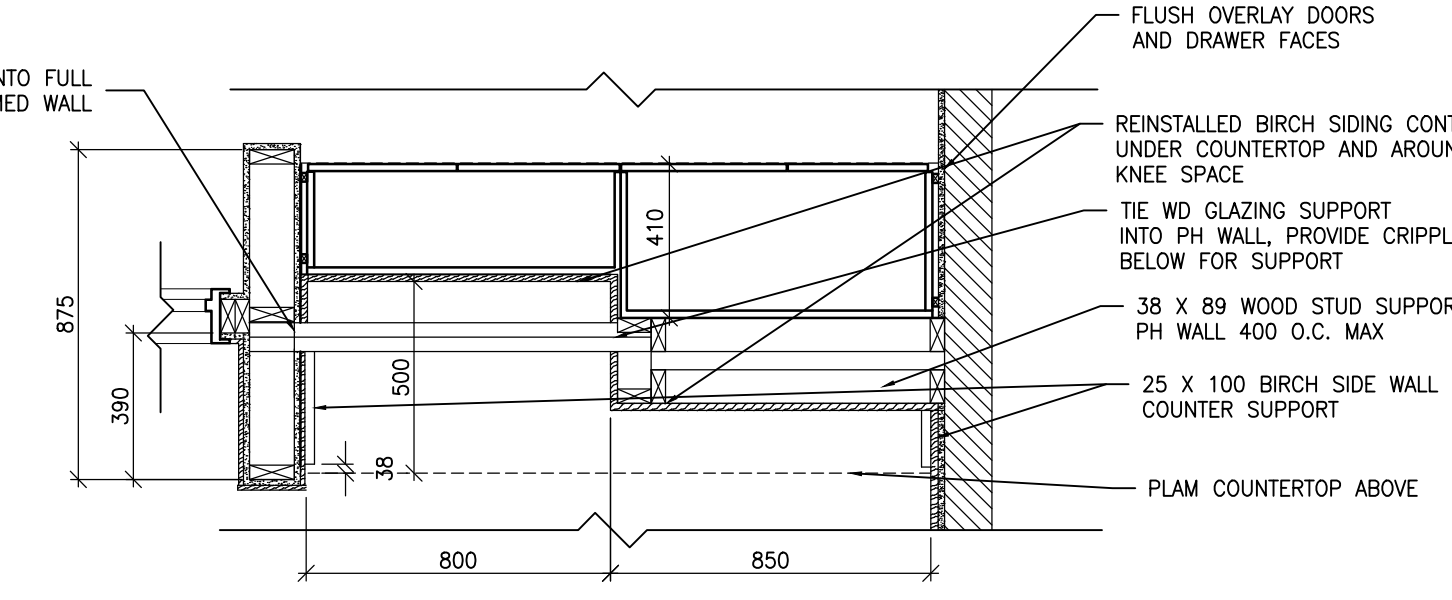
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ISSUED FOR - REVISION:

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

PROJECT NO:	149-12549-13	DATE:	24/04/2017
ORIGINAL SCALE:	SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.	
DRAWN BY:	MJ	CHECKED BY:	JC
DISCIPLINE:	ARCHITECTURE		
TITLE:	FLOOR PLAN		
SHEET NUMBER:	A102		
SHEET #:	2 OF --		REV. #
ISSUE:	ISSUED FOR TENDER		0
DATE OF:			



**2 SECURITY BARRIER PLAN DETAIL**  
A102/A102 1:20

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

**CONSTRUCTION KEYNOTES:**

1. PROVIDE GB CEILING, TIE INTO EXISTING CEILING.
2. PROVIDE STC 51 GB CEILING.
3. EXTEND ACT. GRID & PANELS AS REQ'D TO SUIT REVISED PARTITION LAYOUT.
4. SECURITY BARRIER BULKHEAD, CONTINUOUS TO U/S OF STRUCTURE. CAW REINSTALLED BIRCH SIDING ON ONE SIDE.
5. APPROXIMATE AREA OF NEW INSULATED CEILING TO SUIT RELOCATION OF EXTERIOR WALL.
6. PATCH AND MAKE GOOD CEILING FINISH WHERE LUMINAIRES WERE REMOVED.

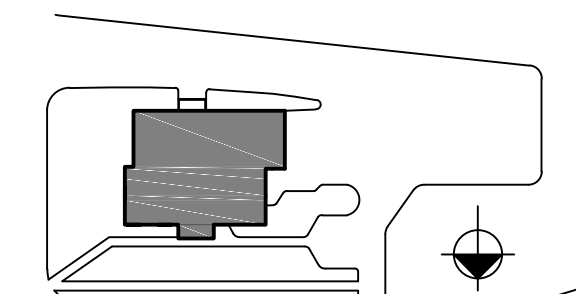
**ARCHITECTURE 49**

1000 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:

**STONEWALL RCMP DETACHMENT**  
**STONEWALL, MB**

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PROJECT NO: 149-12549-13 DATE: 24/04/2017

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

DESIGNED BY: --

DRAWN BY: MU

CHECKED BY: JC

DISCIPLINE: **ARCHITECTURE**

TITLE:

**REFLECTED CEILING PLAN**

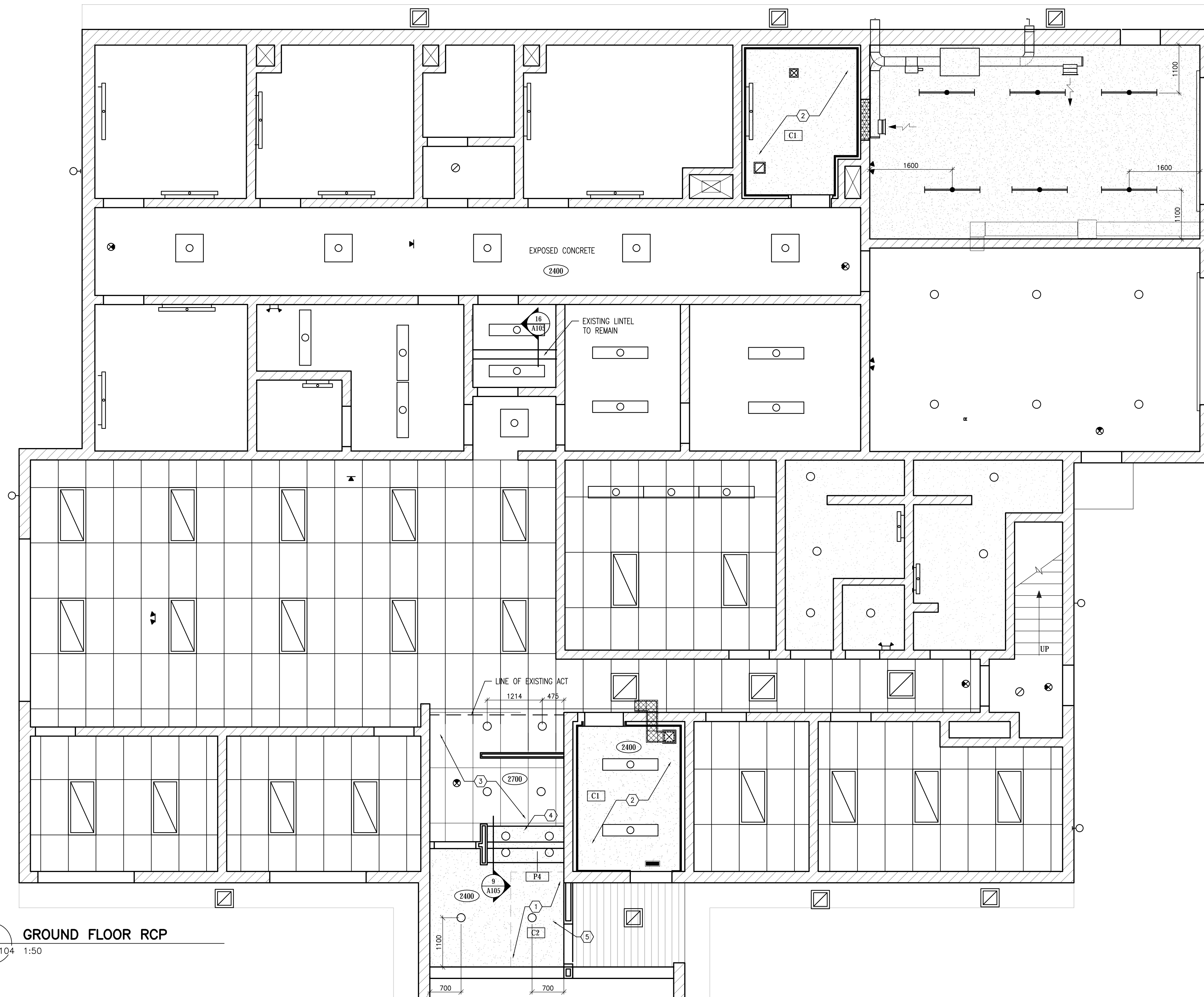
SHEET NUMBER: **A103**

SHEET #: 3 OF --

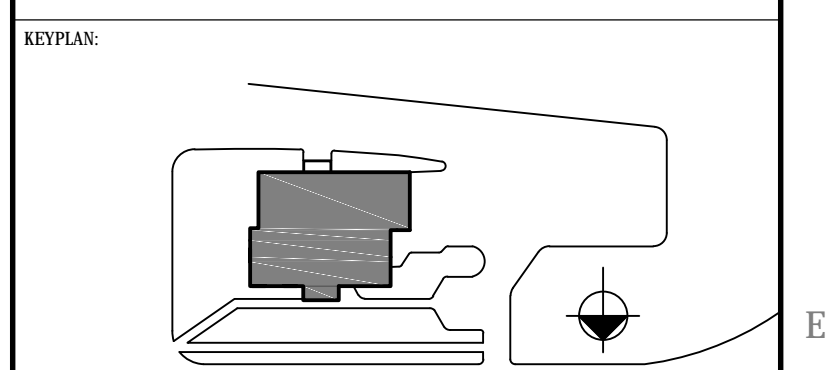
ISSUE: **ISSUED FOR TENDER**

DATE OF: 0

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



CONSULTANT - SUB CONSULTANT:



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

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ISSUED FOR - REVISION:

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PROJECT NO: 149-12549-13	DATE: 3
ORIGINAL SCALE: SEE NOTED	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
DRAWN BY: MJ	
CHECKED BY: JC	

DISCIPLINE: **ARCHITECTURE**

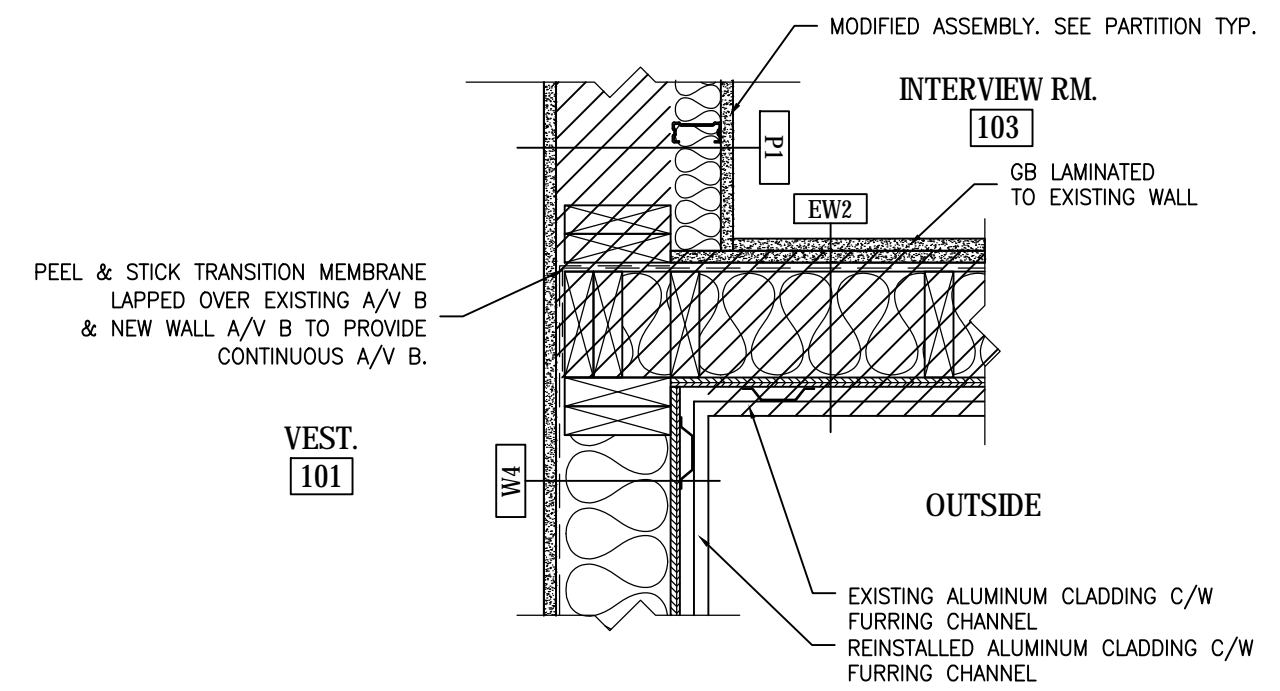
TITLE: **SECOND FLOOR REFLECTED CEILING PLAN & DETAILS**

SHEET NUMBER: **A104**

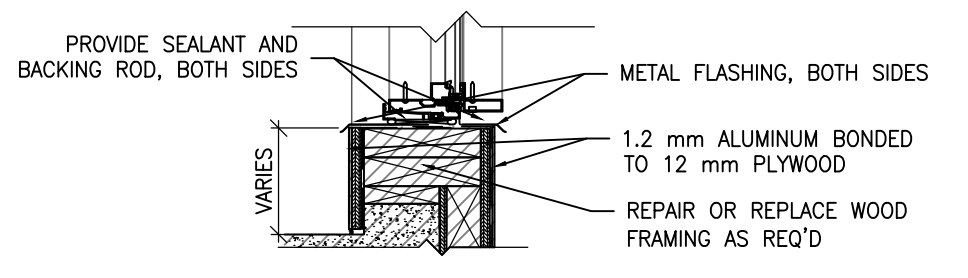
SHEET #: 4 OF --

ISSUE: **ISSUED FOR TENDER**

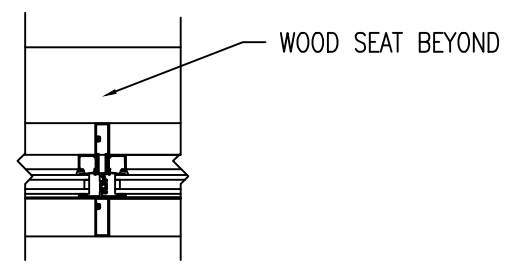
DATE OF: **0**



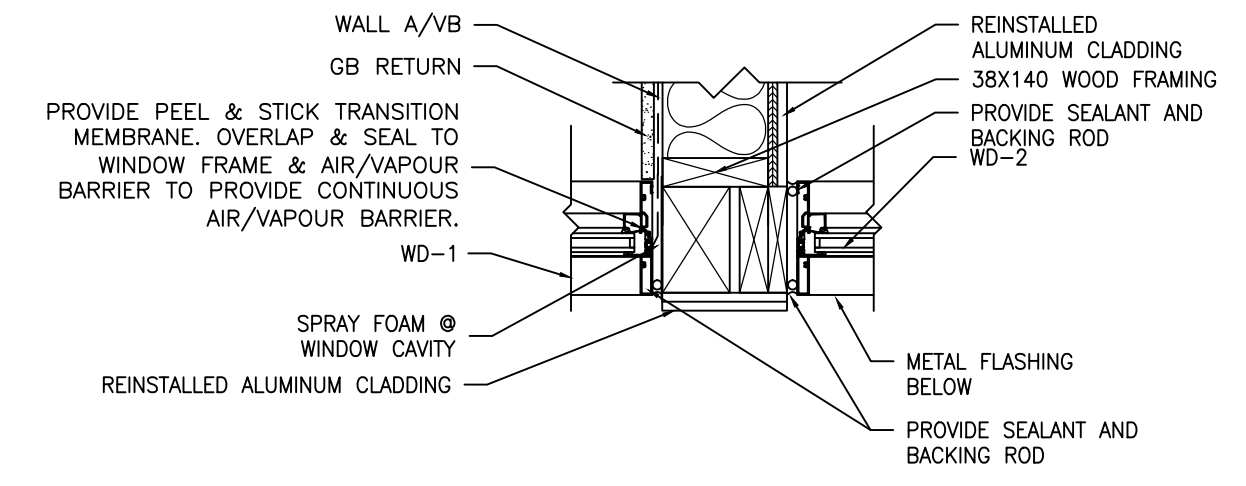
**11 PLAN DETAIL @ ENTRANCE**  
A104/A104 1:10



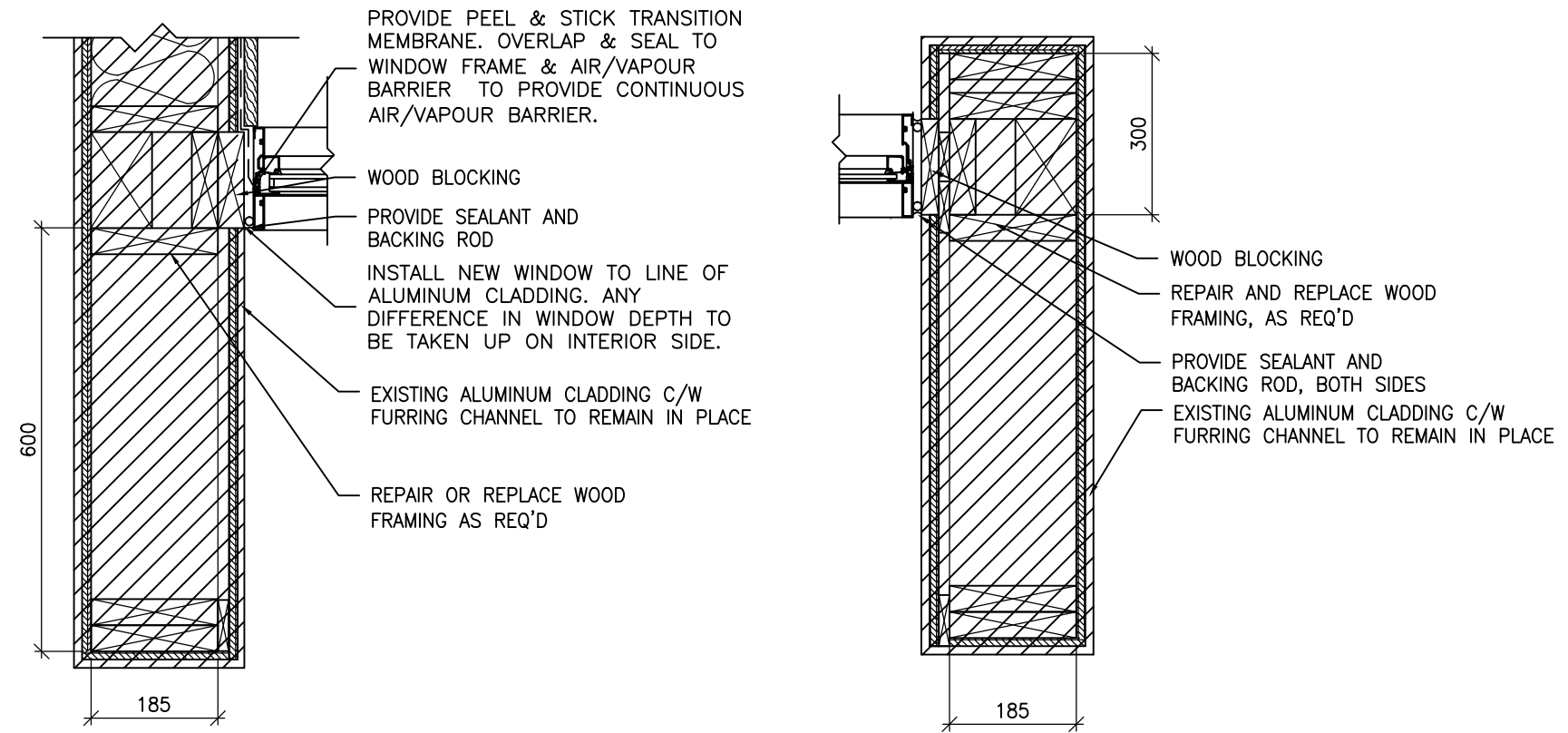
**10 W2 SILL SECTION DETAIL**  
A104/A104 1:10



**9 MULLION DETAIL**  
A104/A104 1:10

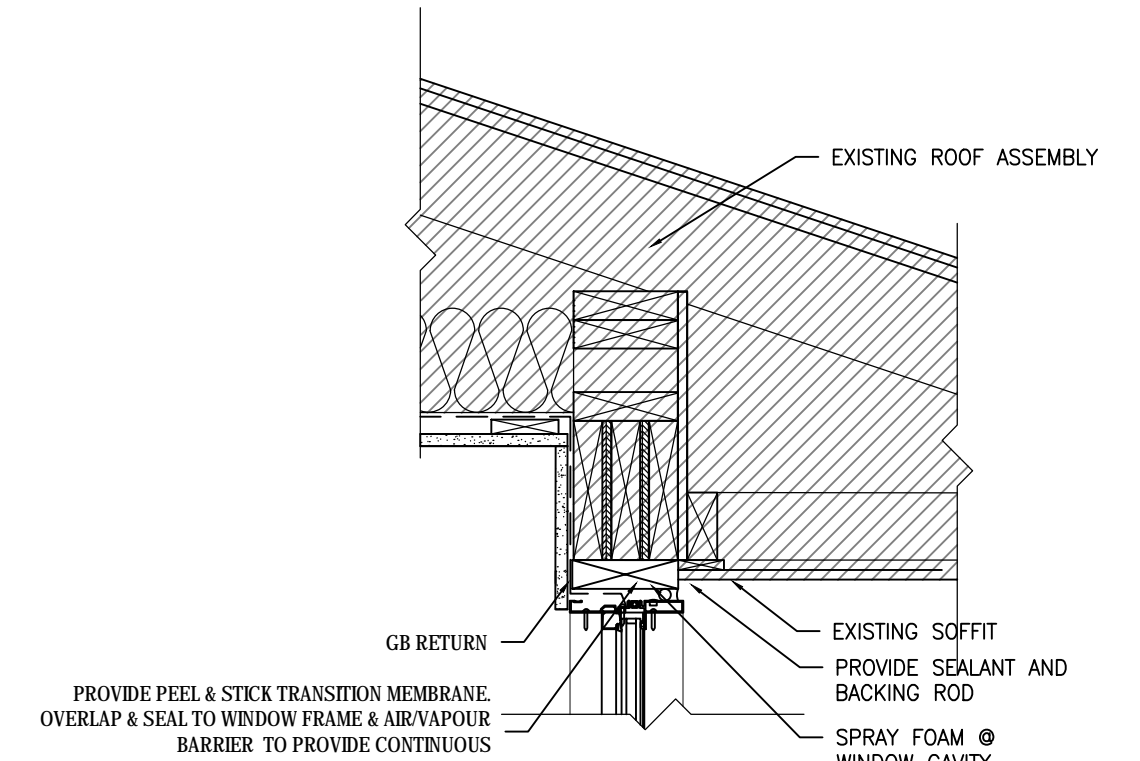


**8 ENTRANCE WALL AT WD-1 & WD-2 PLAN DETAIL**  
A102/A104 1:10

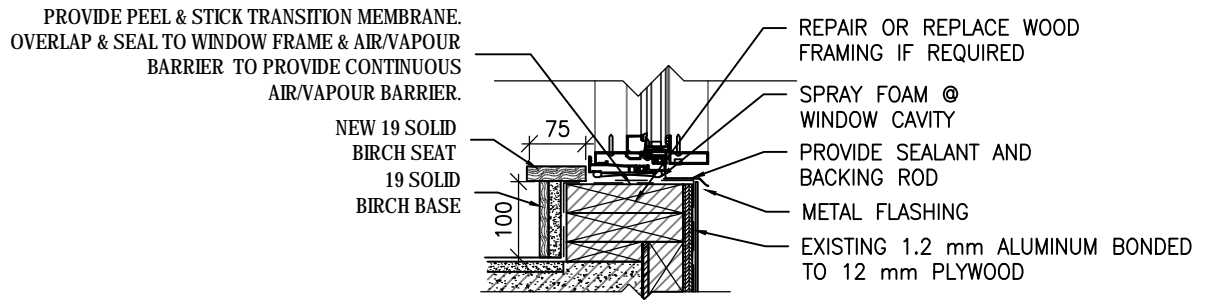


**7 PLAN DETAIL**  
A102/A104 1:10

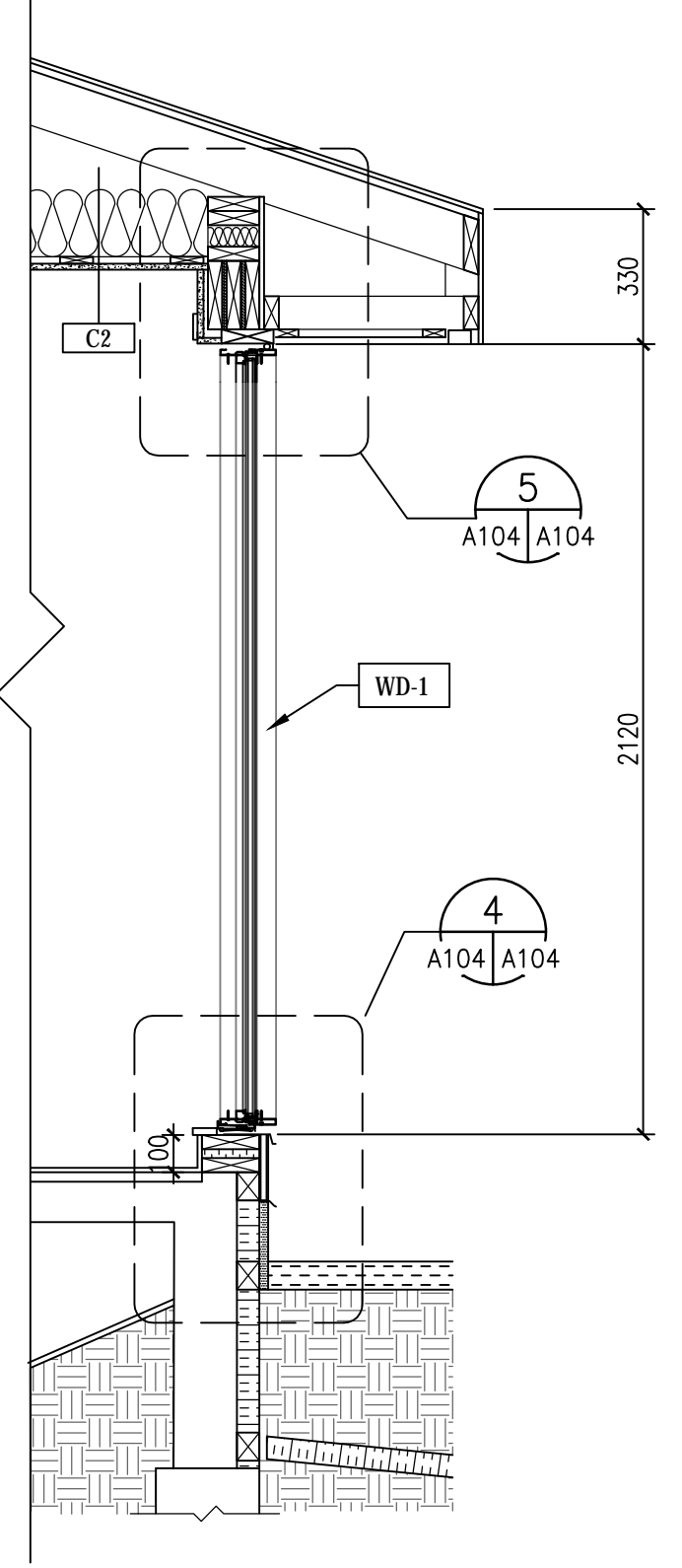
**6 PLAN DETAIL**  
A102/A104 1:10



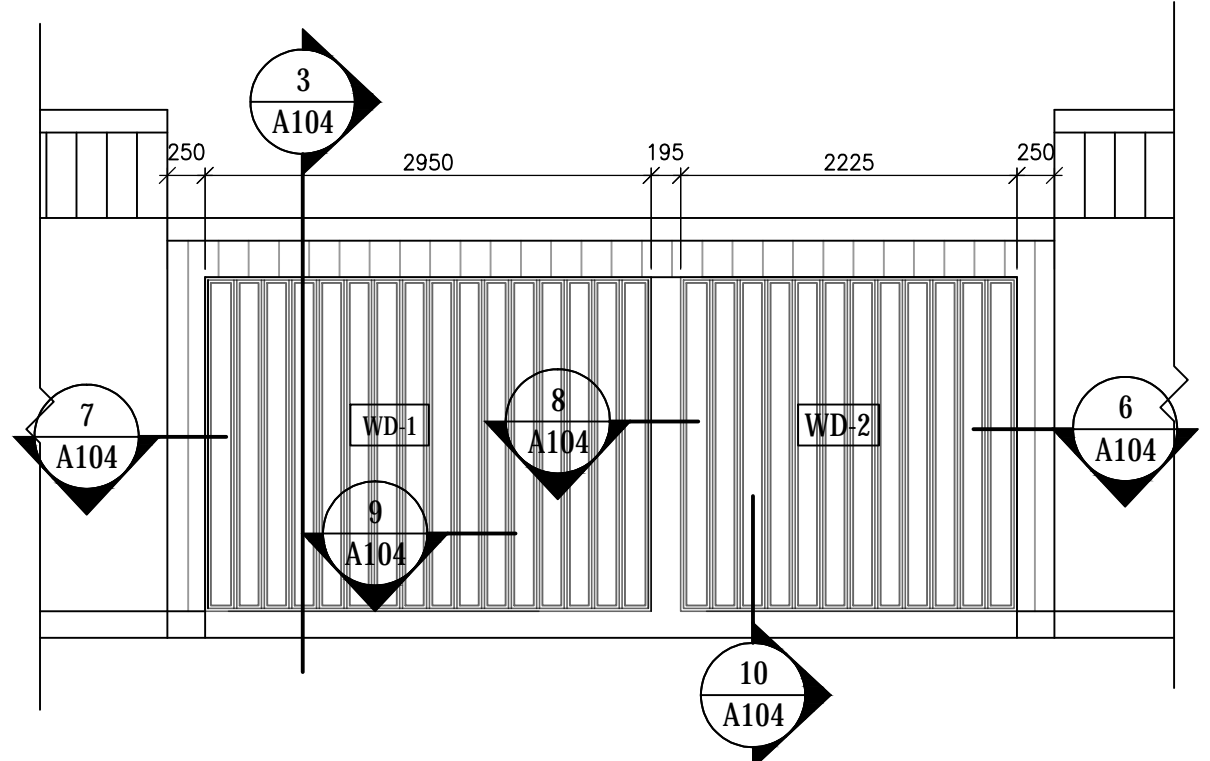
**5 WD-1 DETAIL @ HEAD**  
A104/A104 1:10



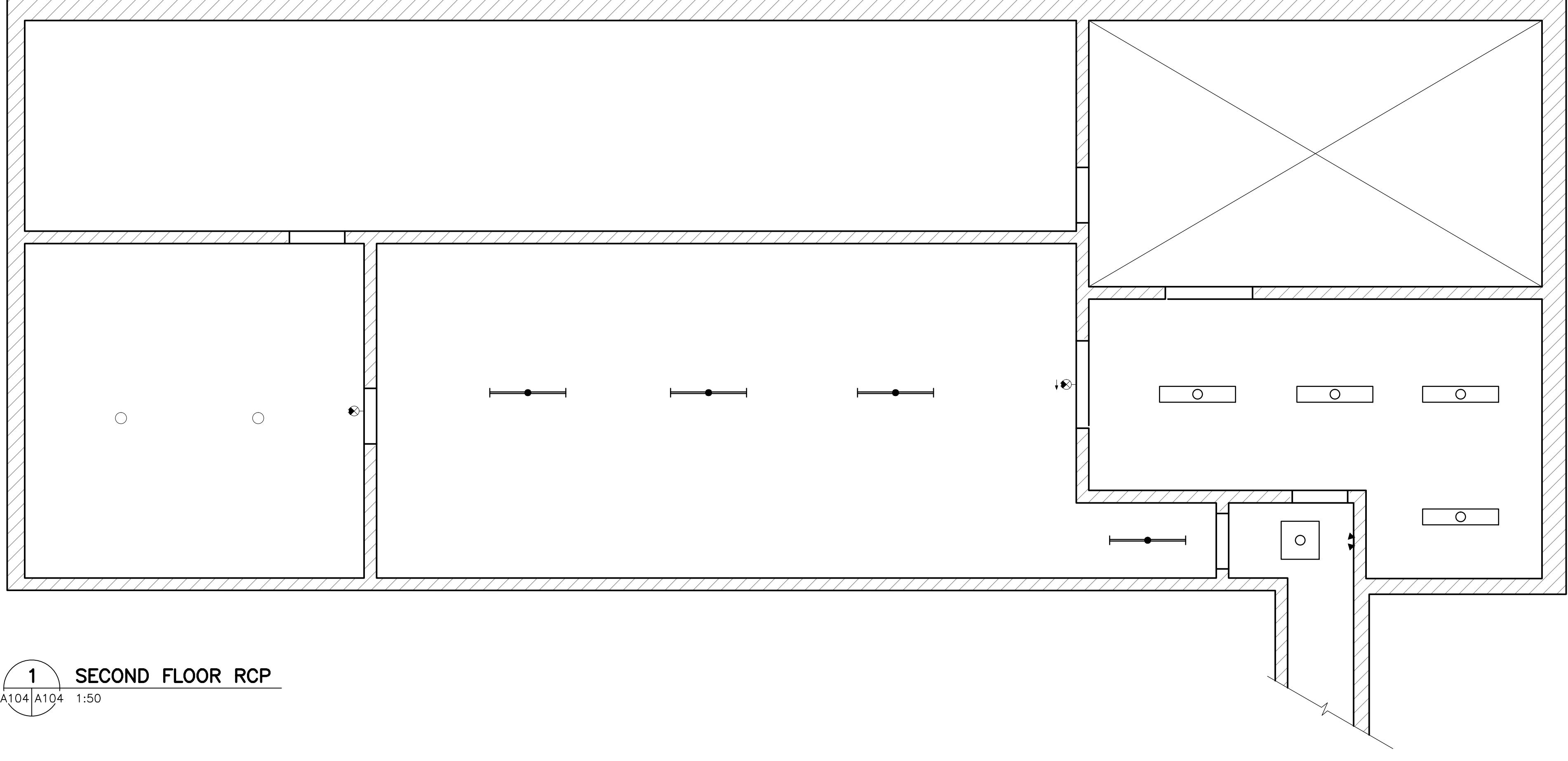
**4 WD-1 DETAIL @ SILL**  
A104/A104 1:10



**3 WD-1 RECEPTION EXTERIOR WINDOW SECTION**  
A102/A104 1:20

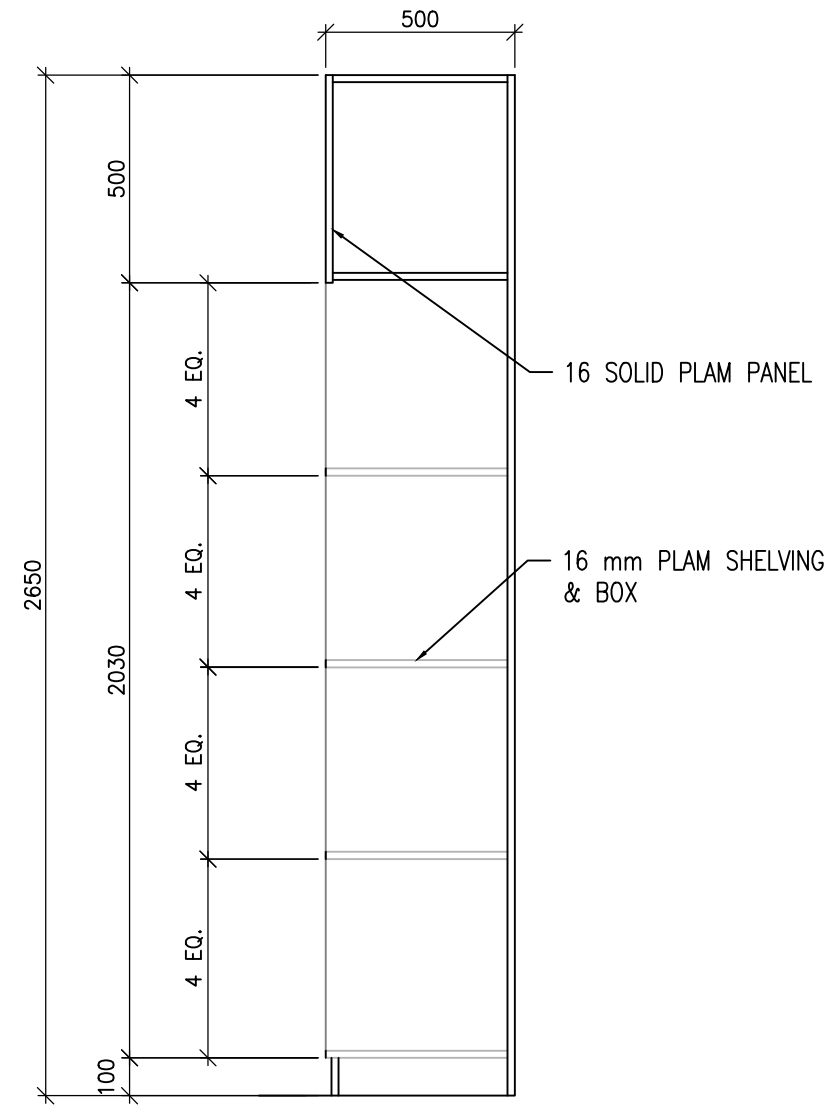


**2 EXTERIOR RECEPTION ELEVATION**  
A102/A104 1:50



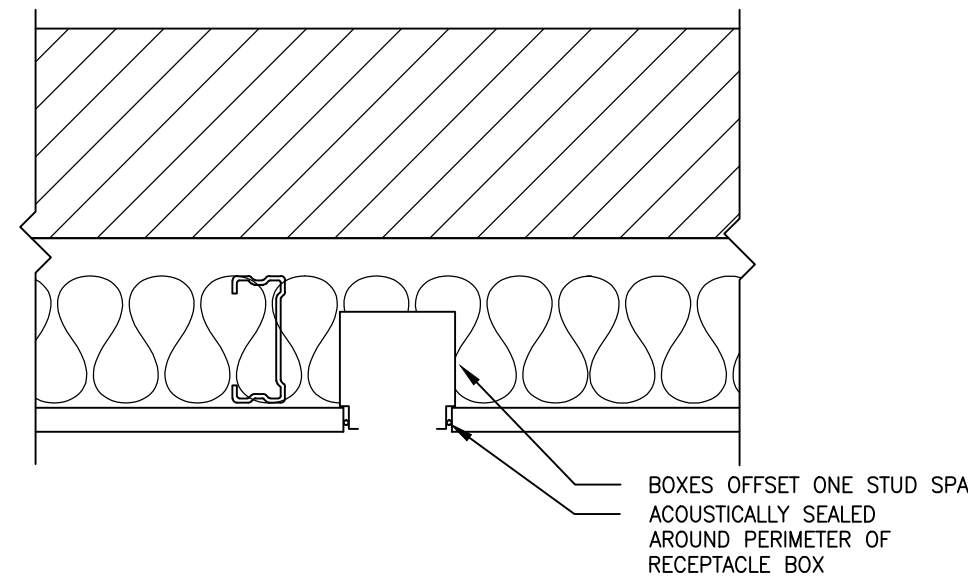
**1 SECOND FLOOR RCP**  
A104/A104 1:50

10 9 8 7 6 5 4 3 2 1

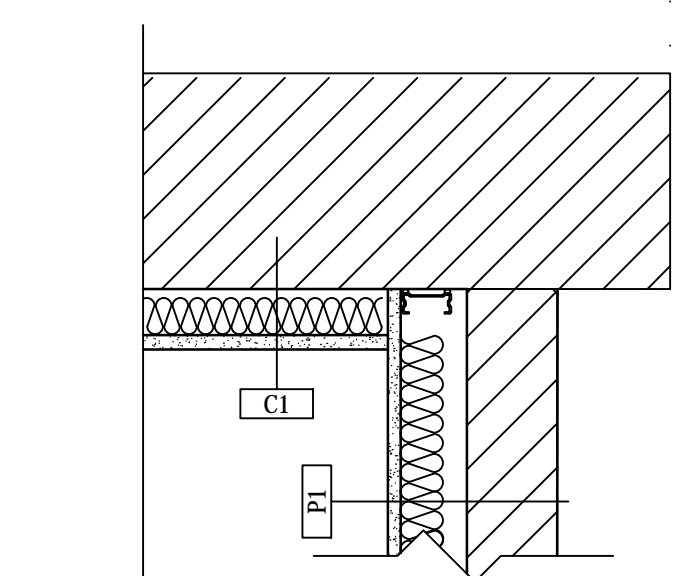


**19 CUBBY SECTION**  
A105/A105 1:20

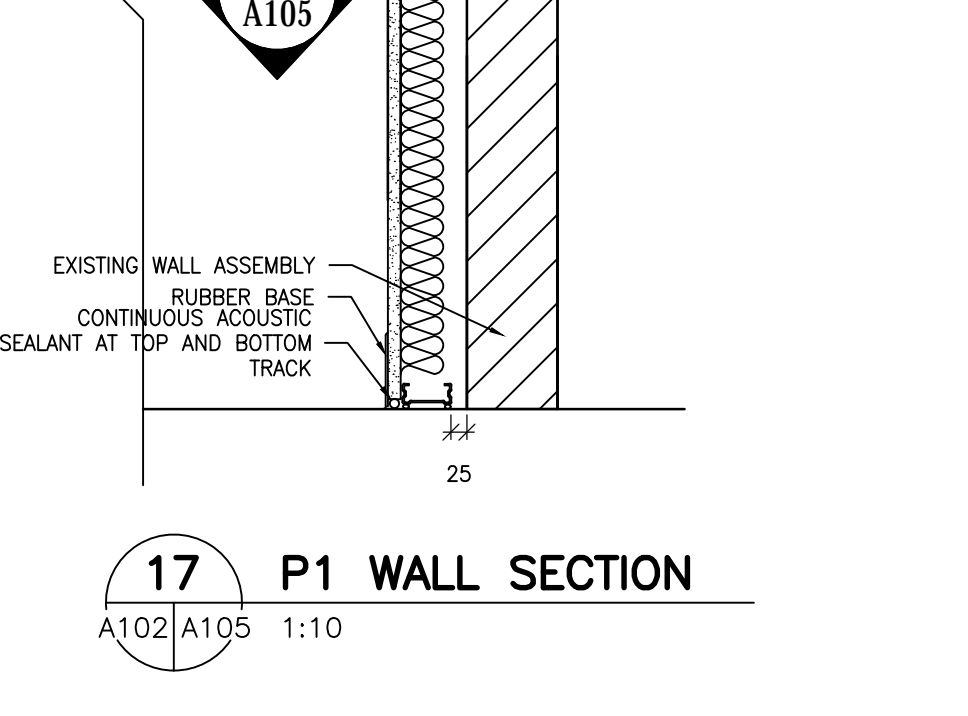
NB: DO NOT PLACE NEW BOX WITHIN THE SAME STUD BAY AS ANOTHER EXISTING BOX ON THE OPPOSITE SIDE OF THE WALL.



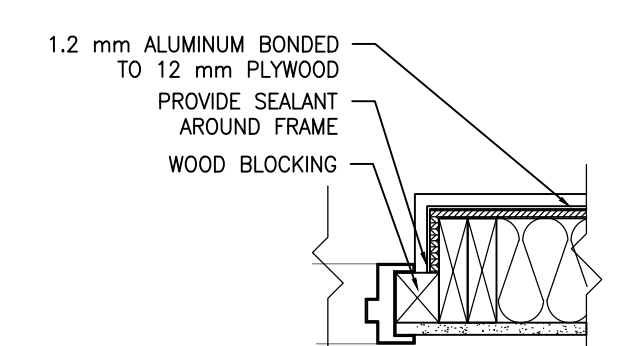
**18 P1 PLAN DETAIL @ BOXES**  
A105/A105 1:5



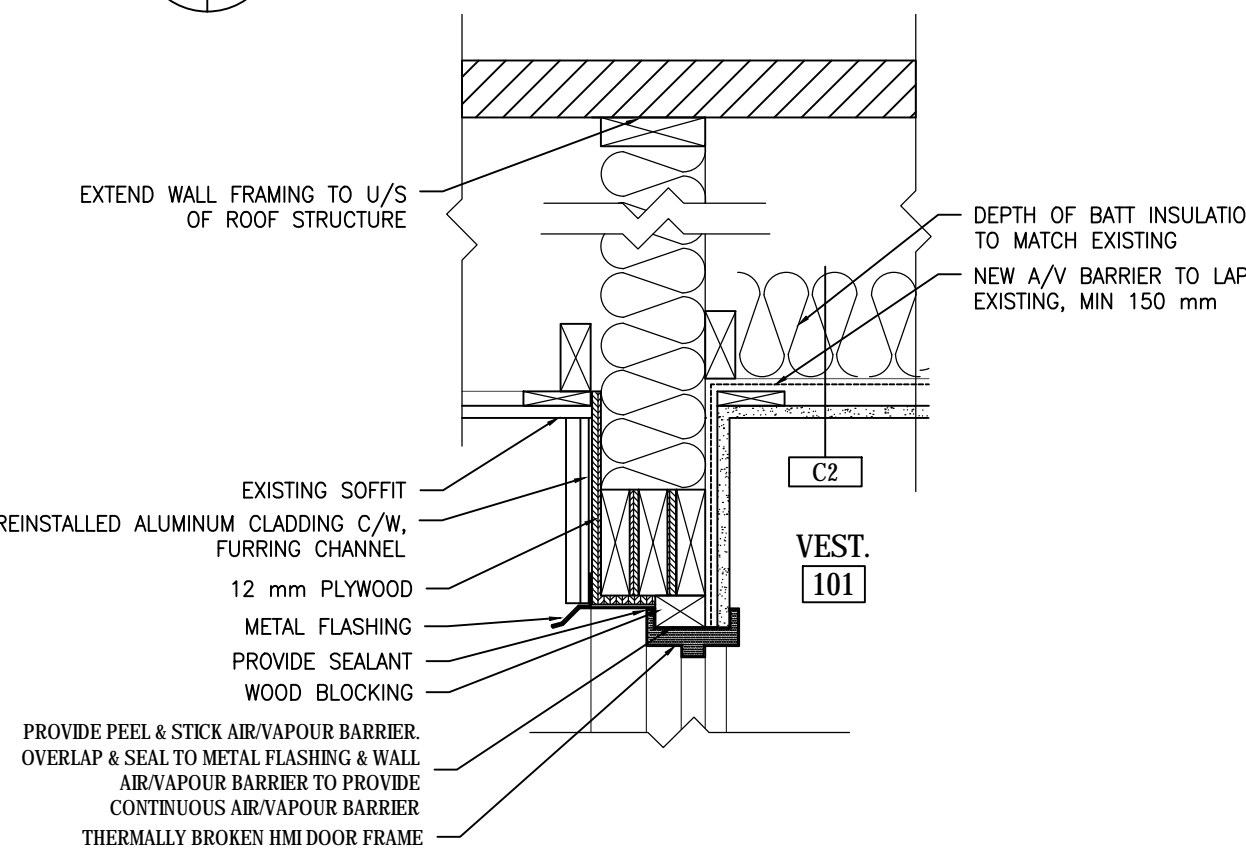
**17 P1 WALL SECTION**  
A102/A105 1:10



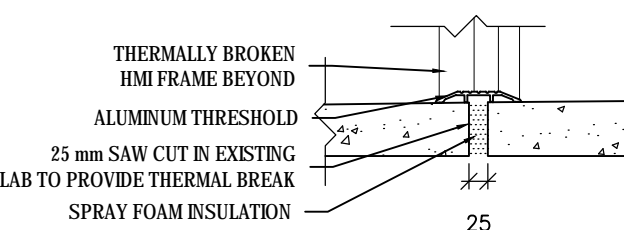
**16 LINTEL @ MONITOR ROOM**  
A103/A105 1:10



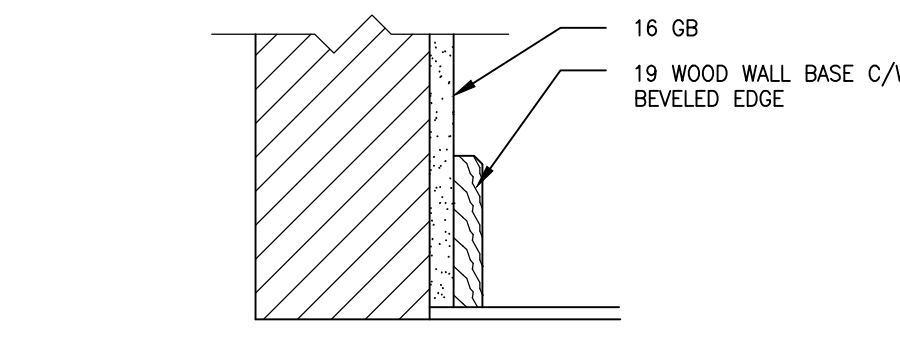
**15 D101A JAMB DETAIL**  
A105/A105 1:10



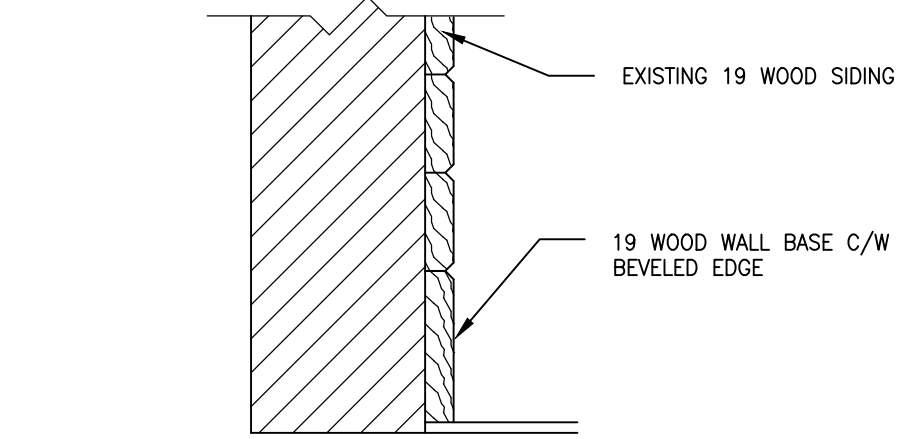
**14 D101A AT HEAD**  
A105/A105 1:10



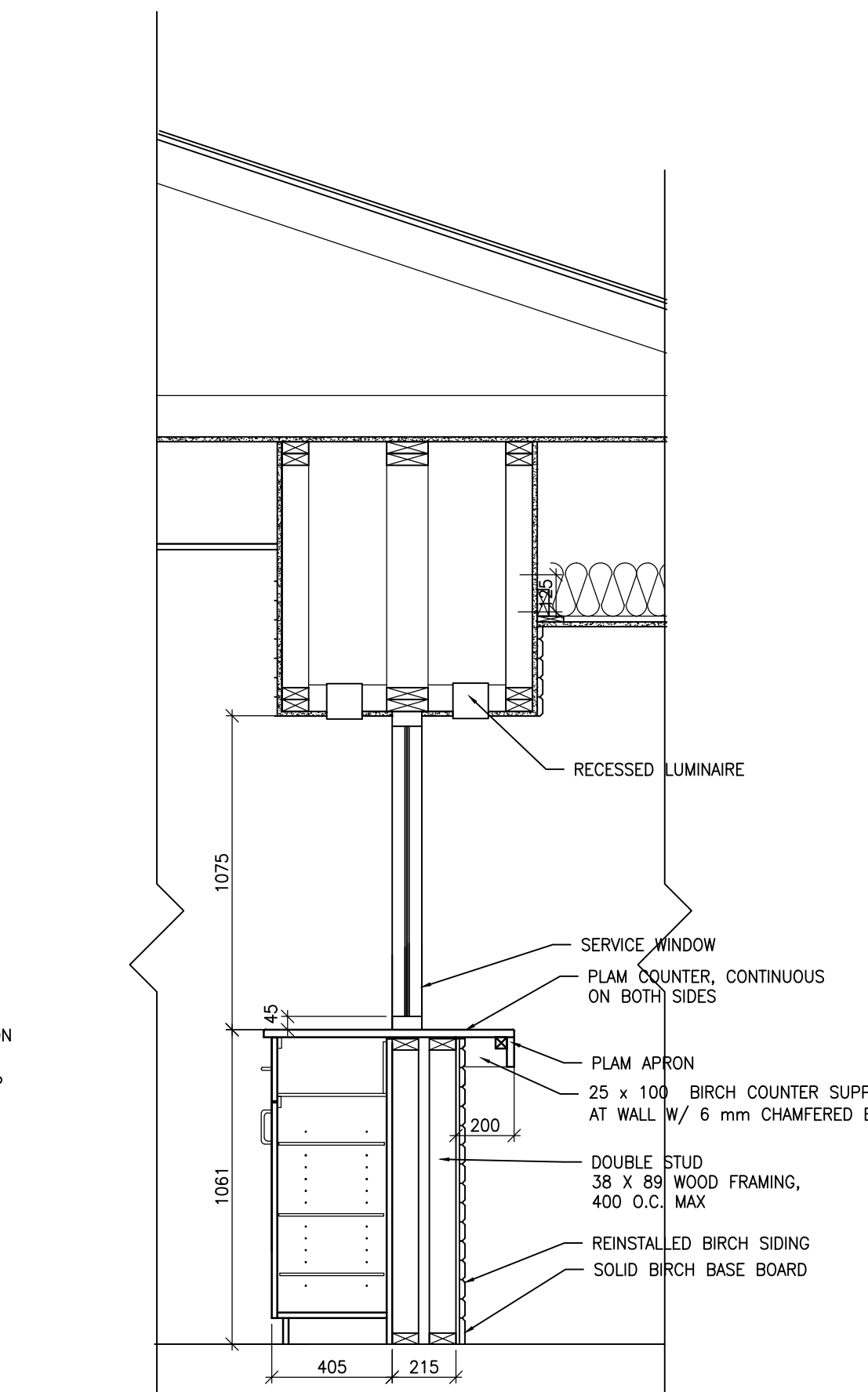
**13 D101A AT FLOOR**  
A105/A105 1:10



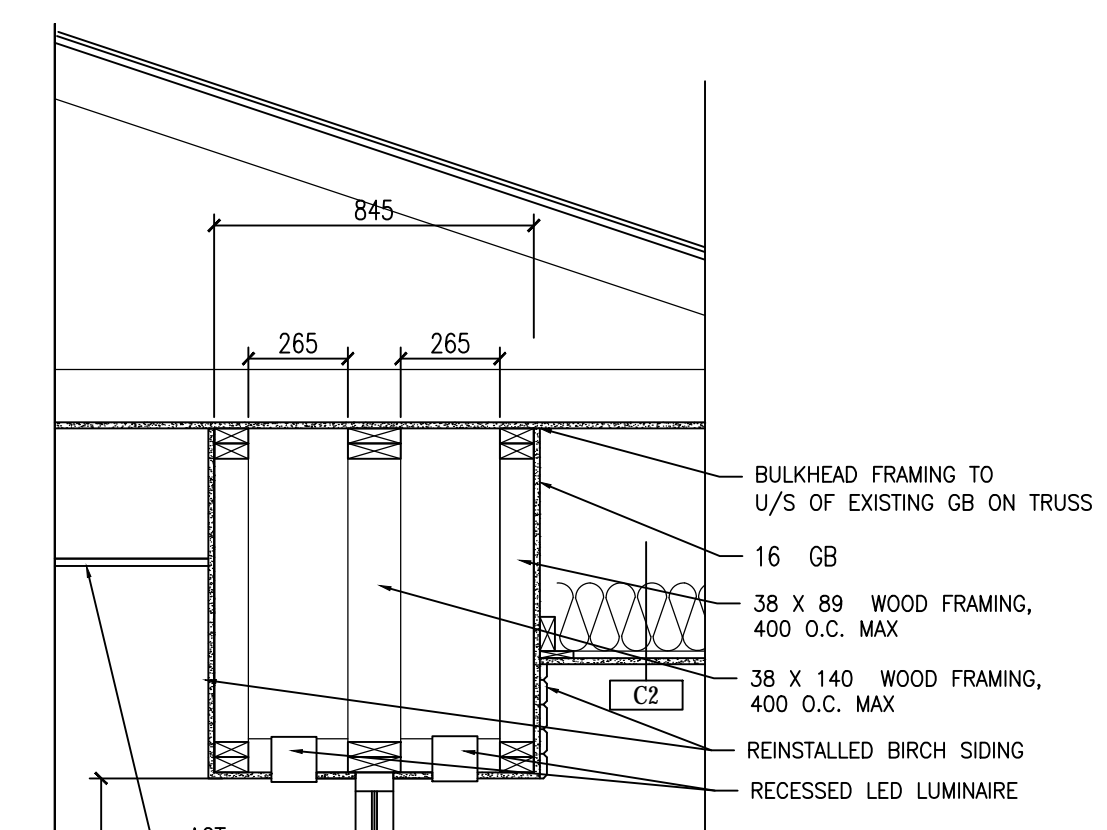
**12 BASEBOARD DETAIL @ GB**  
A105/A105 3



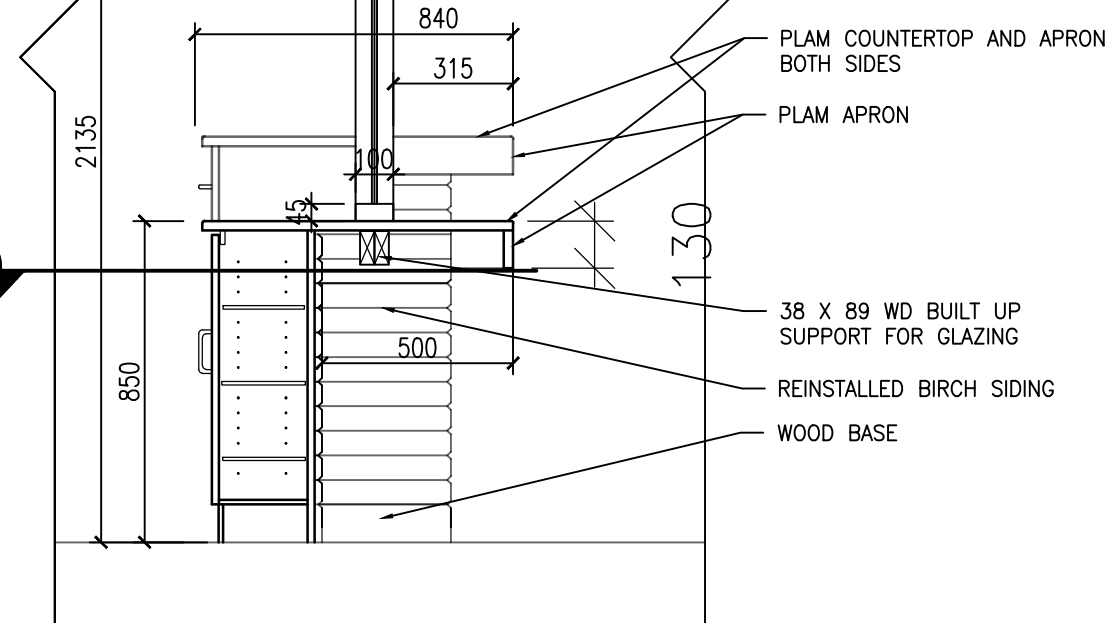
**11 BASEBOARD DETAIL @ BIRCH SIDING**  
A105/A105 1:5



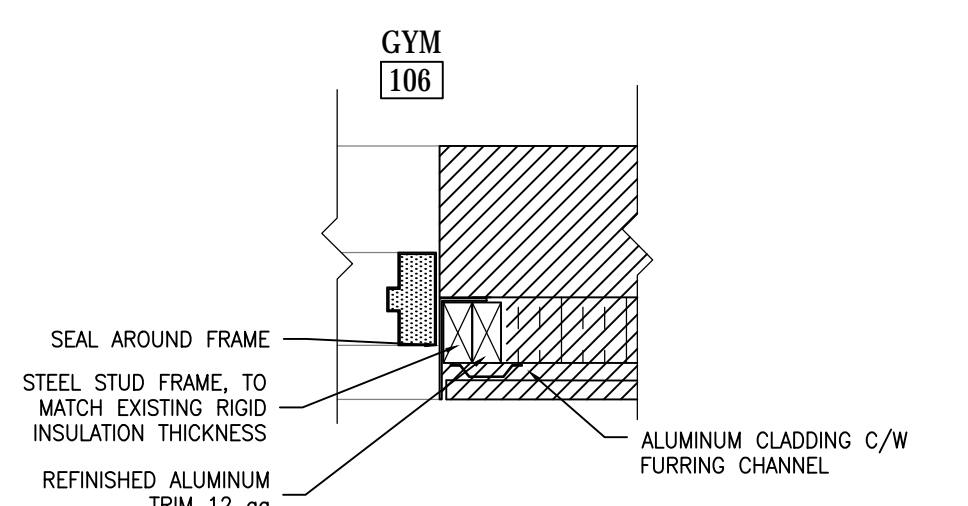
**10 SECURITY BARRIER SECTION AT TRANSACTION COUNTER**  
A102/A105 1:20



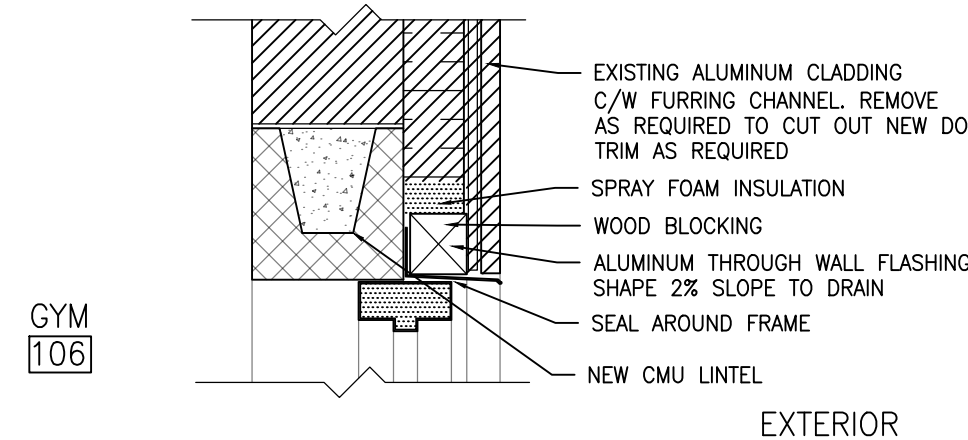
**9 SECURITY BARRIER SECTION AT BARRIER FREE DESK**  
A102/A105 1:20



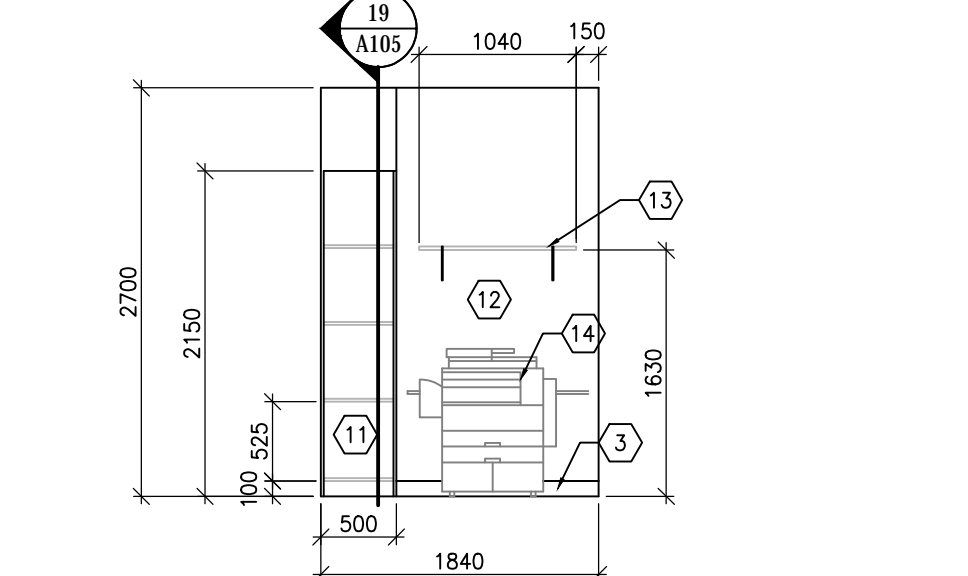
**8 D106A JAMB DETAIL**  
A102/A105 1:10



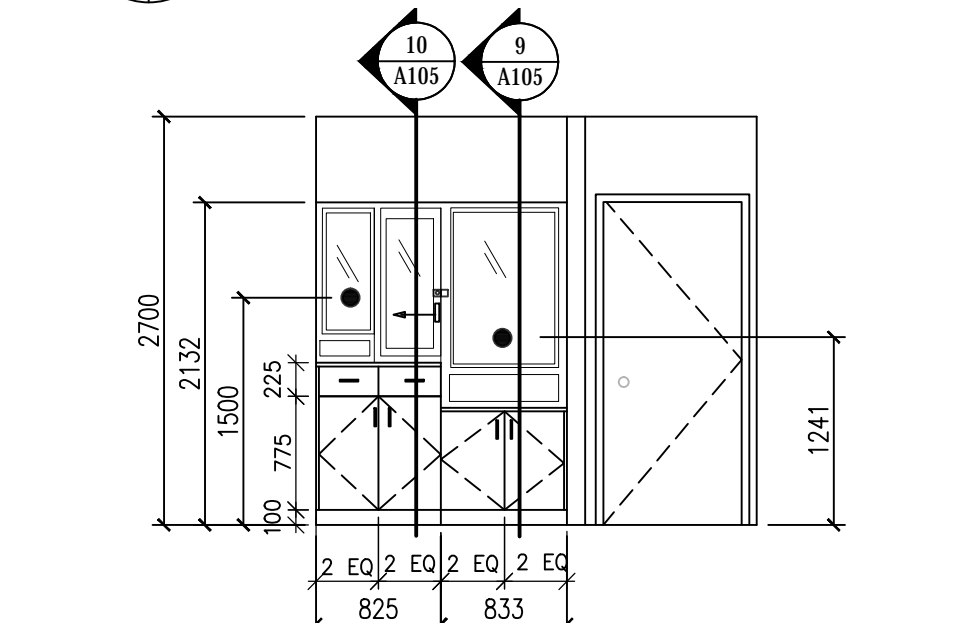
**7 D106A SECTION**  
A102/A105 1:10



**6 PARTITION SCREEN & SHELVING ELEVATION**  
A102/A105 1:50



**5 SECURITY BARRIER OFFICE SIDE**  
A103/A106 1:50



**4 SECURITY BARRIER PUBLIC SIDE**  
A103/A106 1:50

**CONSTRUCTION KEYNOTES:**

1. PATCH AND MAKE GOOD BIRCH SIDING.
2. PROVIDE SOLID BIRCH BASEBOARD.
3. PROVIDE RUBBER BASEBOARD.
4. SECURITY BARRIER, CABINETS & COUNTER. C/W BIRCH SIDING.
5. PATCH AND MAKE GOOD GB WHERE BIRCH SIDING WAS REMOVED.
6. PUSH BUTTON DOOR OPERATOR.
7. REINSTALLED BIRCH SIDING.
8. SLIDING PANEL.
9. SPEAKER PORT.
10. EXISTING ALARM PANEL.
11. STORAGE CUBBIES.
12. FULL HEIGHT PARTITION WALL C/W POWER.
13. STORAGE SHELF.
14. PHOTOCOPIER, NOT IN CONTRACT.

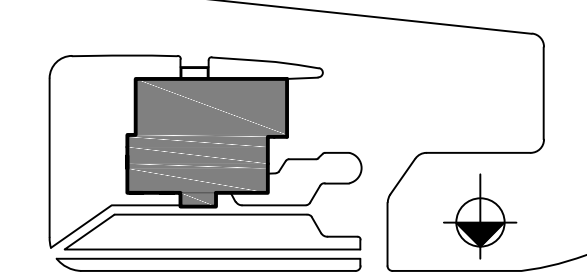
**ARCHITECTURE 49**

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CONSULTANT - SUB CONSULTANT



KEYPLAN:



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CLIENT REF. #:

PROJECT:

**STONEWALL RCMP DETACHMENT**  
**STONEWALL, MB**

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IS.	REV.	DATE	DESCRIPTION
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1	24/04/2017		ISSUED FOR REVIEW

PROJECT NO.:	ORIGINAL SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DISCIPLINE:	TITLE:
149-12549-13	SEE NOTED		MJ	JC	ARCHITECTURE	INTERIOR ELEVATIONS & SECTIONS

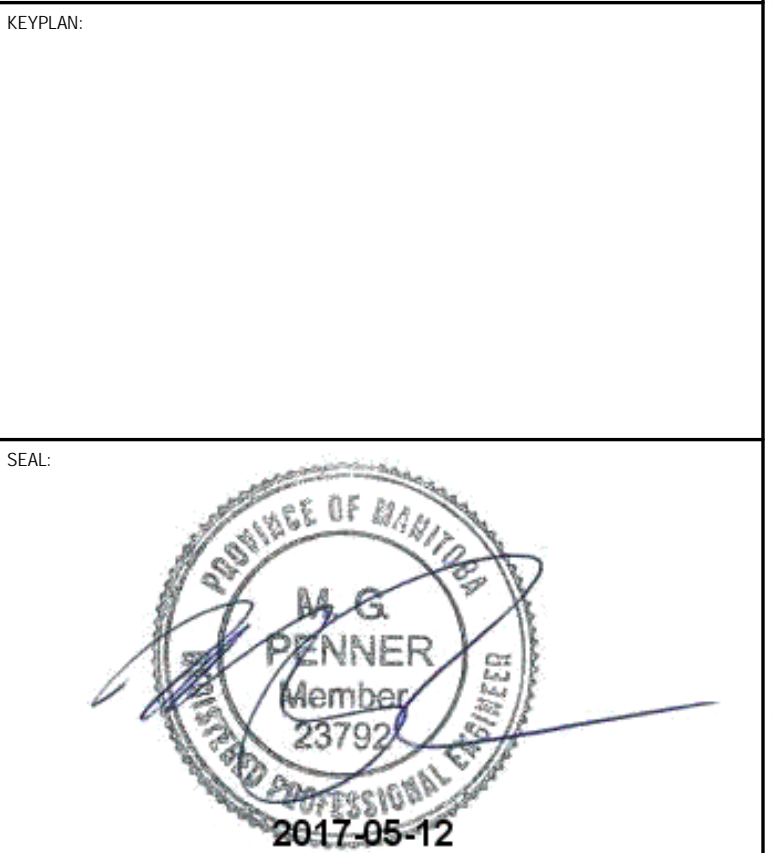
SHEET NUMBER:	SHEET #:	ISSUE:	DATE OF:
A105	5 OF 5	ISSUED FOR TENDER	

PROJECT NO.:	ORIGINAL SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	DISCIPLINE:	TITLE:
149-12549-13	SEE NOTED		MJ	JC	ARCHITECTURE	INTERIOR ELEVATIONS & SECTIONS

ISSUE:	DATE OF:	REV. #
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CLIENT REF. #: GGH-46-10

**STONEWALL RCMP  
DETACHMENT**

**STONEWALL, MB**

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NO	DATE	DESCRIPTION
0	May 12, 2017	Issued for Tender

RV	DATE	DESCRIPTION
17042		

PROJECT NO:  
17042  
ORIGINAL SCALE:  
As indicated  
DESIGNED BY:  
ML/AM  
DRAWN BY:  
ML/AM  
CHECKED BY:  
JF/MP  
DISCIPLINE:  
ELECTRICAL

TITLE:  
**ELECTRICAL SYMBOLS AND ABBREVIATIONS**

SHEET NUMBER:  
**E0.1**  
1 OF 10  
ISSUE: --  
DATE OF: --

**ELECTRICAL SYMBOL LEGEND**

HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION
		<b>LIGHTING</b>			<b>EQUIPMENT</b>			<b>LIGHTING CONTROL</b>			<b>FIRE ALARM</b>			
AS NOTED		SURFACE INCANDESCENT LIGHT (TYPE DENOTED)	AS NOTED		SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)	47"		SINGLE POLE SW.	92***		FIRE ALARM HORN			
AS NOTED		SURFACE LIGHT (TYPE DENOTED)	AS NOTED		JUNCTION BOX	47"		2 POLE SINGLE THROW SW.	92***		FIRE ALARM HORN W/STROBE (CANDELAS)			
AS NOTED		WALL MOUNTED FLOODLIGHT (TYPE DENOTED)			PULL BOX	47"		3-WAY SW.	92***		FIRE ALARM BELL			
PER SCHED		RECESSED LIGHT (TYPE DENOTED)			AUTOMATIC DOOR OPERATOR PUSHBUTTON	47"		4-WAY SW.	92***		FIRE ALARM STROBE (CANDELAS)			
		POLE MOUNTED LIGHT (TYPE DENOTED)	78***		CIRCUIT BREAKER PANEL	47"		DIMMER SWITCH	72***		FIRE ALARM REMOTE ANNUNCIATOR			
		SURFACE LIGHT (TYPE DENOTED)	78***		POWER OR DISTRIBUTION PANEL	47"		OCCUPANCY SENSOR SWITCH	8****		SMOKE DETECTOR (TYPE & CO DENOTED)			
		SUSPENDED OR PENDANT LIGHT (TYPE DENOTED)	78***		SPECIAL CABINET (TYPE DENOTED)	47"		PUSH BUTTON	47***		HEAT DETECTOR (TYPE & TEMP DENOTED)			
		RECESSED LIGHT (TYPE DENOTED)	78***		MOTOR (SEE SCHEDULE)			OCCUPANCY SENSOR - TYPE DENOTED			F.A. PULLSTATION			
		STRIP LIGHT (TYPE DENOTED)			<b>SECURITY</b>			LIGHT LEVEL SENSOR - TYPE DENOTED			F.A. DOOR HOLDER			
96"		EMERGENCY BATTERY LIGHT (TYPE DENOTED)			END OF LINE RESISTOR	AS NOTED		PHOTOCELL			F.A. DOOR CLOSER			
		EMERGENCY LIGHT - SINGLE REMOTE HEAD			ELECTRIC STRIKE			<b>RECEPTABLES</b>			SELF-CONTAINED SMOKE ALARM (CO DENOTES COMBO)			
		EMERGENCY LIGHT - DOUBLE REMOTE HEAD			MAGNETIC LOCK	16"		DUPLEX RECEPT.	8****		SELF-CONTAINED AV SMOKE ALARM			
12"		EXIT SIGN (TYPE DENOTED)			COMBINATION LOCK			DUPLEX RECEPT MTD ABOVE COUNTER	8****		SELF-CONTAINED CO ALARM			
		<b>GENERAL ELECTRICAL</b>			DOOR CONTACTS			DUPLEX RECEPT C/W WET LOCATION COVERPLATE	8****					
		DASHED SYMBOL INDICATES REMOVED	47****		CARD READER	36"		DUPLEX RECEPT C/W INTEGRAL GFI	8****					
		KEY NOTE (SEE SCHEDULE)			KEYPAD	36"		DUPLEX RECEPT NEMA 5-20R CONFIG						
		DEMOLITION NOTE (SEE SCHEDULE)	16"		TELEPHONE OUTLET (TYPE DENOTED)									
		REVISION TAG	16"		COMMUNICATION OUTLET (TYPE DENOTED)									
			16"		TELEVISION OUTLET									

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**
- PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRESTOPPED 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.
    - WALL 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 - STONEWALL
- E0.1 ELECTRICAL SYMBOLS AND ABBREVIATIONS
  - E1.1 ELECTRICAL SITE PLAN
  - ED1.1 ELECTRICAL SITE DEMOLITION PLAN
  - ED2.1 MAIN FLOOR - DEMOLITION PLAN
  - ED2.2 SECOND FLOOR - DEMOLITION PLAN
  - EL1.1 MAIN FLOOR - LIGHTING PLAN
  - EL1.2 SECOND FLOOR - LIGHTING PLAN
  - EP1.1 MAIN FLOOR - POWER PLAN
  - EP1.2 SECOND FLOOR - POWER PLAN
  - E6.1 ELECTRICAL SCHEDULES

**ELECTRICAL ABBREVIATIONS LIST**

1P	1 POLE (2P, 3P, 4P, ETC.)	FLR	FLOOR	NTS	NOT TO SCALE
A	AMPERE	FR	REFRIGERATOR	PB	PULL BOX OR PUSHBUTTON
ADO	AUTOMATIC DOOR OPENER	GC	GENERAL CONTRACTOR	PD	PEDESTAL
AFF	ABOVE FINISHED FLOOR	GFI	GROUND FAULT CIRCUIT INTERRUPTER	PH	PHASE
ANNUN	ANNUNCIATOR	GYP BD	GYPSUM BOARD	PNL	PANEL
APPROX	APPROXIMATELY	HORIZ	HORIZONTAL	PVC	POLYVINYL CHLORIDE (CONDUIT)
ARCH	ARCHITECT, ARCHITECTURAL	HT	HEIGHT	PWR	POWER
AUTO	AUTOMATIC	HTR	HEATER	QUAN	QUANTITY
AUX	AUXILIARY	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	R	RELOCATED
AWG	AMERICAN WIRE GAUGE	INCAND	INCANDESCENT	RECD	REQUIRED
BLDG	BUILDING	IPLC	INTELLIGENT PARKING LOT CONTROLLER	SC	SURFACE CONDUIT
C	CONDUIT	J-BOX	JUNCTION BOX	SHT	SHEET
CAB	CABINET	KW	KILOWATT	SIM	SIMILAR
CB	CIRCUIT BREAKER	LOC	LOCATE OR LOCATION	SPEC	SPECIFICATION
CKT	CIRCUIT	LT	LIGHT	SP	SPARE
CLG	CEILING	LTG	LIGHTING	SU	SUMP PUMP
CONN	CONNECTION	MAX	MAXIMUM	SURF	SURFACE MOUNTED
CONN	CONNECTION	MCB	MAIN CIRCUIT BREAKER	SW	SWITCH
CONST	CONSTRUCTION	MDC	MAIN DISTRIBUTION CENTER	SYM	SYMMETRICAL
CONT	CONTINUATION OR CONTINUOUS	MDF	MAIN DISTRIBUTION PANEL	SYS	SYSTEM
CONTR	CONTRACTOR	MEC	MECHANICAL CONTRACTOR	TEL/DATA	TELEPHONE/DATA
CTR	CENTER	MFR	MANUFACTURER	T-STAT	THERMOSTAT
CJ	COPPER	MFS	MAIN FUSED DISCONNECT SWITCH	TYP	TYPICAL
CW	COMPLETE WITH	MIN	MINIMUM	UC	UNDER COUNTER
DET	DETAIL	MISC	MISCELLANEOUS	UH	UNIT HEATER
DIA	DIAMETER	MLO	MAIN LUGS ONLY	UTIL	UTILITY
DISC	DISCONNECT	MT	MOUNTED	V	VOLT
DIST	DISTRIBUTION	MWD	COORDINATED IN MILLWORK	VA	VOLT-AMPERES
DN	DOWN	NEC	NATIONAL ELECTRICAL CODE	VERT	VERTICAL
DWG	DRAWING	NIC	NOT IN CONTRACT	W	WATT
EC	ELECTRICAL CONTRACTOR	NL	NIGHT LIGHT	W/	WITH
ELEC	ELECTRIC, ELECTRICAL			WG	WIRE GUARD
EMT	EMERGENCY			W/O	WITHOUT
EMT	ELECTRICAL METALLIC TUBING EQUIP			WP	WEATHERPROOF
EQUIP	EQUIPMENT				
EXIST	EXISTING				
FA	FIRE ALARM				
FACP	FIRE ALARM CONTROL PANEL				
FIXT	FIXTURE				

**ELECTRICAL SYMBOL NOTES**

- THE LIGHTING FIXTURE TYPE IS INDICATED BY UPPER CASE LETTERS AND NUMBERS. THE CIRCUIT DESIGNATION IS INDICATED BY LETTERS AND NUMBERS SEPARATED BY DASH. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER.
- EXAMPLE 1: LIGHTING FIXTURE TYPE "F101" IS CONNECTED TO PANEL A, CIRCUIT 12 AND CONTROLLED BY SWITCH "b".
- EXAMPLE 2: THE FIXTURE TYPE SHOWN AS A NUMERATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE THE SAME TYPE. THE CIRCUIT NUMBER AND SWITCH DESIGNATION SHOWN AS A DENOMINATOR INDICATES ALL LIGHTING FIXTURES IN THE ROOM OR SPACE ARE CONNECTED TO THE SAME CIRCUIT, CONTROLLED BY THE SAME SWITCHES, CENTER/OUTBOARD MULTILEVEL SWITCHING.
- EXIT LIGHTS: STEM INDICATES WALL MOUNTING. NO STEM INDICATES CEILING MOUNTING. SHADED AREA INDICATES ILLUMINATED FACE(S). ARROW INDICATES DIRECTIONAL ARROW ON ILLUMINATED FACE(S). THE SIGNAGE TYPE IS INDICATED BY UPPER CASE LETTERS AND NUMBERS PRECEDING THE "T". THE ASSOCIATED BATTERY BANK IS INDICATED BY UPPER CASE LETTERS AND NUMBERS FOLLOWING THE "T". THE AC CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. EXAMPLE: THE WALL MOUNTED EXIT LIGHT TYPE "EX1" WITH SINGLE FACE AND DIRECTIONAL ARROW IS CONNECTED TO BATTERY BANK "BU1" AND AC CIRCUIT 14 FROM PANEL A.
- DEVICES: THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER. THE SWITCH DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SPLIT DUPLEX RECEPTACLE IS CONNECTED TO PANEL A, CIRCUIT 16 AND ONE RECEPTACLE OUTLET IS CONTROLLED BY SWITCH "c".
- THE CONTROL DEVICE DESIGNATION IS INDICATED BY A LOWER CASE LETTER. EXAMPLE: SINGLE POLE SWITCH "q" TO CONTROL LIGHTING FIXTURES INDICATED BY "q".
- WALL BOX DIMMER WITH SIZE AS INDICATED AT DEVICE. EXAMPLE: 600 WATT WALL BOX DIMMER TO CONTROL LIGHTING FIXTURES INDICATED BY "q". SEE SPECIFICATIONS FOR WATTAGE IF NOT NOTED.
- SPECIAL CONNECTIONS: THE EQUIPMENT IS INDICATED BY A NUMBER IN A CIRCLE. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE LOAD DESCRIPTION AND TYPE OF CONNECTION. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: EQUIPMENT NO. 1; 3 PHASE CONNECTION TO PANEL A, CIRCUITS 1, 3, 5.
- MOTOR CONNECTIONS: THE MOTOR IS INDICATED BY A NUMBER WITHIN OR CHARACTERS ADJACENT TO THE MOTOR SYMBOL. SEE THE MOTOR AND EQUIPMENT SCHEDULE FOR THE MOTOR DESCRIPTION AND ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE SYMBOL. EXAMPLE: MOTOR SF-1; 3 PHASE CONNECTION TO PANEL A, CIRCUITS 2, 4, 6.
- ELECTRIC HEATER CONNECTIONS: THE HEATER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "H". SEE THE HEATER SCHEDULE FOR ELECTRICAL REQUIREMENTS. THE CIRCUIT DESIGNATION IS INDICATED BY A NUMBER(S) ADJACENT TO THE HEATER. EXAMPLE: ELECTRIC BASEBOARD HEATER TYPE "H10" CONNECTED TO PANEL A, CIRCUITS 7, 9.
- TRANSFORMERS: THE TRANSFORMER TYPE IS INDICATED BY A NUMBER FOLLOWING THE UPPER CASE LETTER "T". SEE THE TRANSFORMER SCHEDULE OR THE SINGLE LINE DIAGRAM FOR THE TRANSFORMER DESCRIPTION AND REQUIREMENTS. EXAMPLE: TRANSFORMER TYPE "T1".
- PANEL BOARDS: PANEL BOARD DOORS MAY BE SHOWN TO INDICATE OPENING SIDE OF RECESSED PANELBOARDS. SEE PANELBOARD IDENTIFICATION FOR DESIGNATION CODES.
- KEYNOTE: SEE THE KEYED NOTES ON THAT SHEET FOR THE NOTE NUMBER INDICATED.
- CONDUIT SHOWN WITHOUT SLASH MARKS SHALL CONTAIN 2 # 12 CONDUCTORS IN 3/4" CONDUIT UNLESS SPECIFIC EQUIPMENT REQUIRES A DIFFERENT SIZE.
- CONDUIT SHOWN WITH SLASH MARKS SHALL CONTAIN 1 # 12 CONDUCTOR PER SLASH MARK IN 3/4" CONDUIT UNLESS A CONDUCTOR AND CONDUIT SIZE IS SHORT STRAIGHT-PHASE CONDUCTOR, LONG STRAIGHT-NEUTRAL CONDUCTOR, SHORT BENT ENDED-SWITCH LESS LONG STRAIGHT WITH A DOT-GROUND CONDUCTOR, CHEVRON-CATEGORY 6, HALF CHEVRON-CATEGORY 3, TWIST-SHIELDED TWISTED PAIR, CONCENTRIC CIRCLE AND DOT-COAX CABLE.
- HOME RUN TO BRANCH CIRCUIT PANEL: THE PANELBOARD DESIGNATION IS SHOWN ADJACENT TO THE HOME RUN ARROW AS A NUMERATOR AND THE CIRCUIT DESIGNATION IS SHOWN AS THE DENOMINATOR. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANEL BOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD LPN-102; CIRCUITS 1, 3, 5.
- SYMBOL NOTATIONS: UPPER CASE LETTERS ADJACENT TO SYMBOLS INDICATE A UNIT TYPE. SEE APPROPRIATE SCHEDULE OR SPECIFICATIONS.







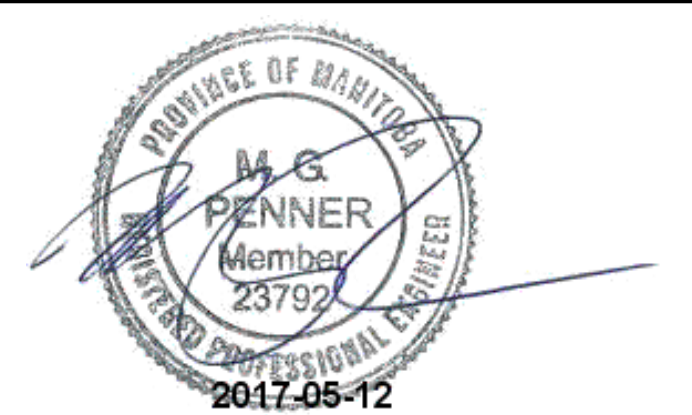
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Winnipeg, MB R3B 0P4  
T 204 453 1080

KEYPLAN:

SEAL:



CLIENT:



CLIENT REF. #: GGH-46-10

PROJECT:

**STONEWALL RCMP  
DETACHMENT**

**STONEWALL, MB**

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DESIGNED BY: ML/MM	
DRAWN BY: ML/MM	
CHECKED BY: JF/MP	1"

DISCIPLINE: ELECTRICAL

TITLE:  
**ELECTRICAL SITE DEMOLITION  
PLAN**

SHEET NUMBER:  
**ED1.1**

SHEET #:  
3 OF 10

ISSUE: --

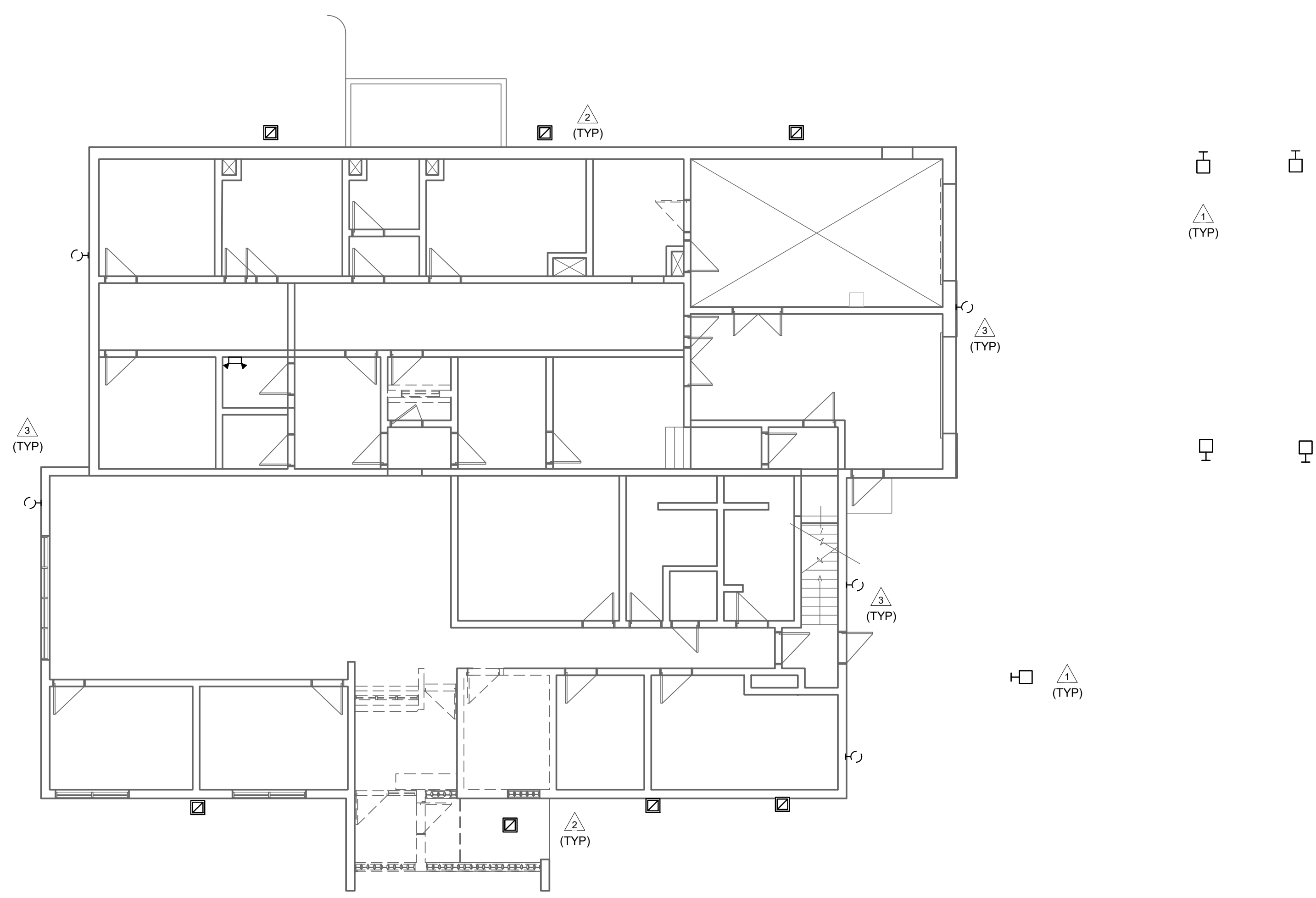
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GENERAL NOTES

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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

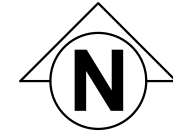
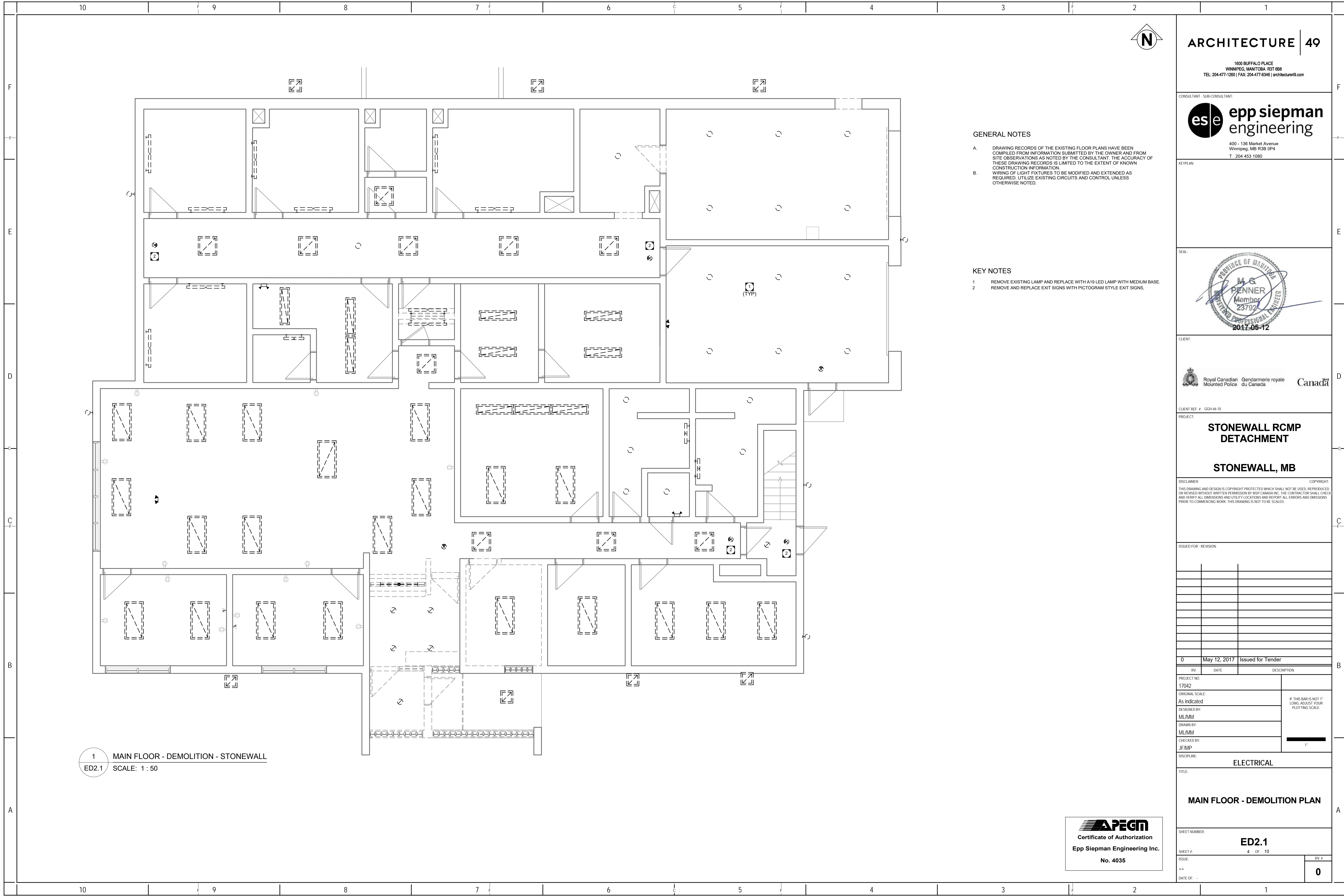
- 1 DEMOLISH LIGHT FIXTURE FROM POLE. EXISTING POLE TO REMAIN. CONFIRM DIMENSIONS OF EXISTING EXTERIOR SOFFIT LIGHT FIXTURES AND NEW SOFFIT LIGHT FIXTURES BEFORE DEMOLITION.
- 3 REMOVE AND REPLACE WALL LIGHT FIXTURES. UTILIZE EXISTING CONTROL.



1 SITE DEMOLITION PLAN - ELECTRICAL - STONEWALL  
ED1.1 SCALE: 1 : 100







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KEYPLAN:



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Royal Canadian Mounted Police / Gendarmerie royale du Canada

CLIENT REF. #: GGH-46-10  
PROJECT:  
**STONEWALL RCMP DETACHMENT**  
**STONEWALL, MB**

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ORIGINAL SCALE: As indicated	
DESIGNED BY: MLMM	
DRAWN BY: MLMM	
CHECKED BY: JFIMP	1"
DISCIPLINE: ELECTRICAL	

TITLE: <b>MAIN FLOOR - DEMOLITION PLAN</b>	
SHEET NUMBER: <b>ED2.1</b>	
SHEET #: 4 OF 10	
ISSUE: --	RV #: <b>0</b>
DATE OF: --	

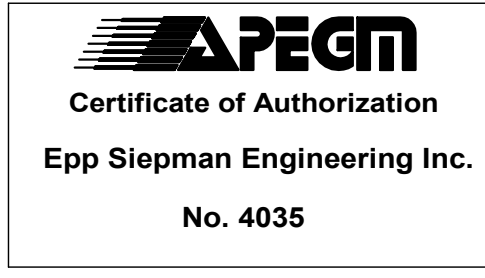
**GENERAL NOTES**

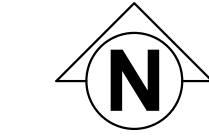
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- B. WIRING OF LIGHT FIXTURES TO BE MODIFIED AND EXTENDED AS REQUIRED. UTILIZE EXISTING CIRCUITS AND CONTROL UNLESS OTHERWISE NOTED.

**KEY NOTES**

- 1 REMOVE EXISTING LAMP AND REPLACE WITH A19 LED LAMP WITH MEDIUM BASE.
- 2 REMOVE AND REPLACE EXIT SIGNS WITH PICTOGRAM STYLE EXIT SIGNS.

**1 MAIN FLOOR - DEMOLITION - STONEWALL**  
ED2.1 SCALE: 1 : 50





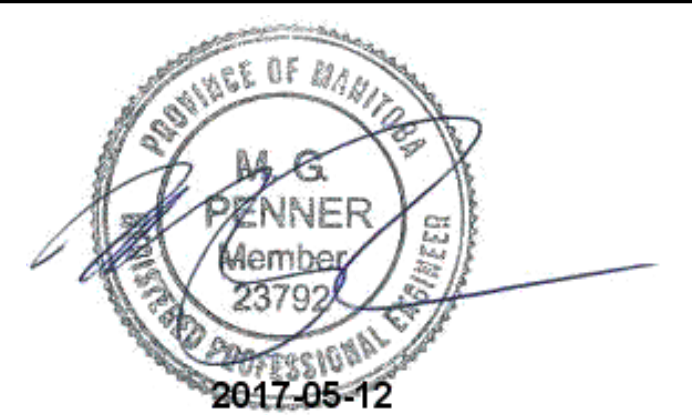
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KEYPLAN:

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CLIENT REF. #: GGH-46-10

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CHECKED BY: JF/MP	1"

DISCIPLINE: ELECTRICAL

TITLE:  
**SECOND FLOOR - DEMOLITION PLAN**

SHEET NUMBER:  
**ED2.2**

SHEET #:  
5 OF 10

ISSUE: --

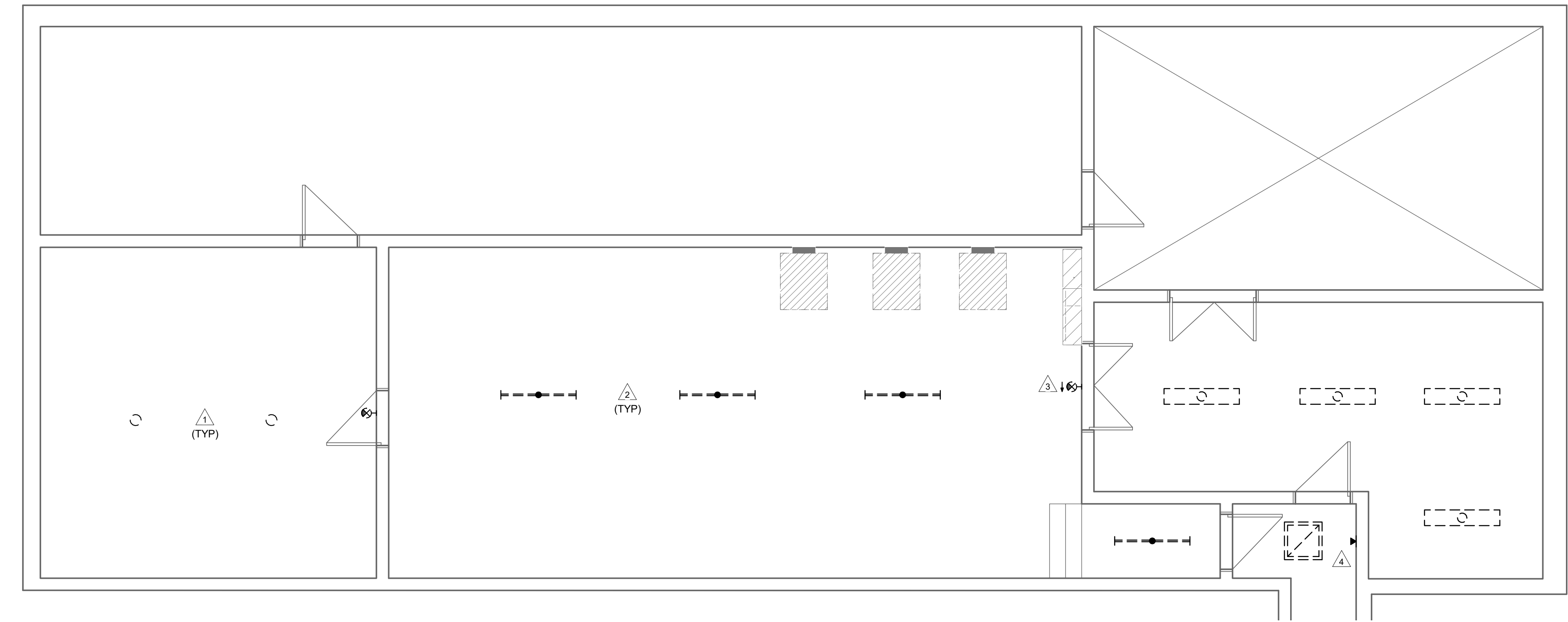
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GENERAL NOTES

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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 EXISTING LAMP AND REPLACE WITH A19 LED LAMP WITH MEDIUM BASE.
- 2. REMOVE AND REPLACE LIGHT FIXTURE ONLY. USE EXISTING CHAIN HANGERS, WIRING AND CONTROL.
- 3. REMOVE AND REPLACE EXIT SIGNS WITH PICTOGRAM STYLE EXIT SIGNS.
- 4. REMOVE AND REPLACE ALL EXISTING EMERGENCY LIGHTING REMOTE HEADS.



1 SECOND FLOOR - DEMOLITION - STONEWALL  
ED2.2 SCALE: 1 : 50





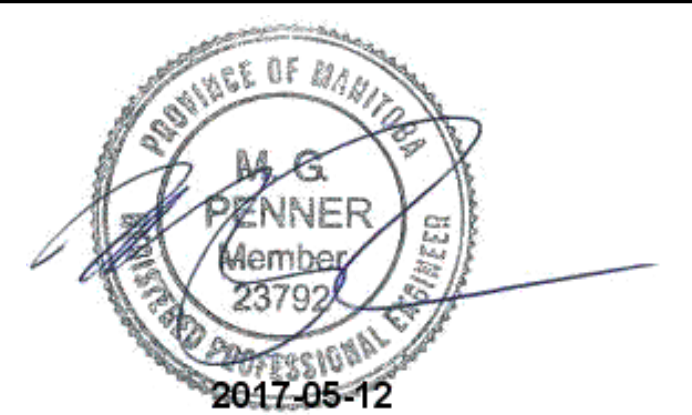
CONSULTANT - SUB-CONSULTANT:



400 - 136 Market Avenue  
Winnipeg, MB R3B 0P4  
T. 204.453.1080

KEYPLAN:

SEAL:



CLIENT:



CLIENT REF. #: OGH-46-10

PROJECT:

**STONEWALL RCMP  
DETACHMENT**

**STONEWALL, MB**

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RV	DATE	DESCRIPTION
0	May 12, 2017	Issued for Tender

PROJECT NO.	17042	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
ORIGINAL SCALE:	As indicated	
DESIGNED BY:	ML/MM	1"
DRAWN BY:	ML/MM	
CHECKED BY:	JF/MP	
DISCIPLINE:	ELECTRICAL	

TITLE:

**MAIN FLOOR - LIGHTING PLAN**

SHEET NUMBER: **EL2.1**

SHEET #: 6 OF 10  
ISSUE: --  
DATE OF: --

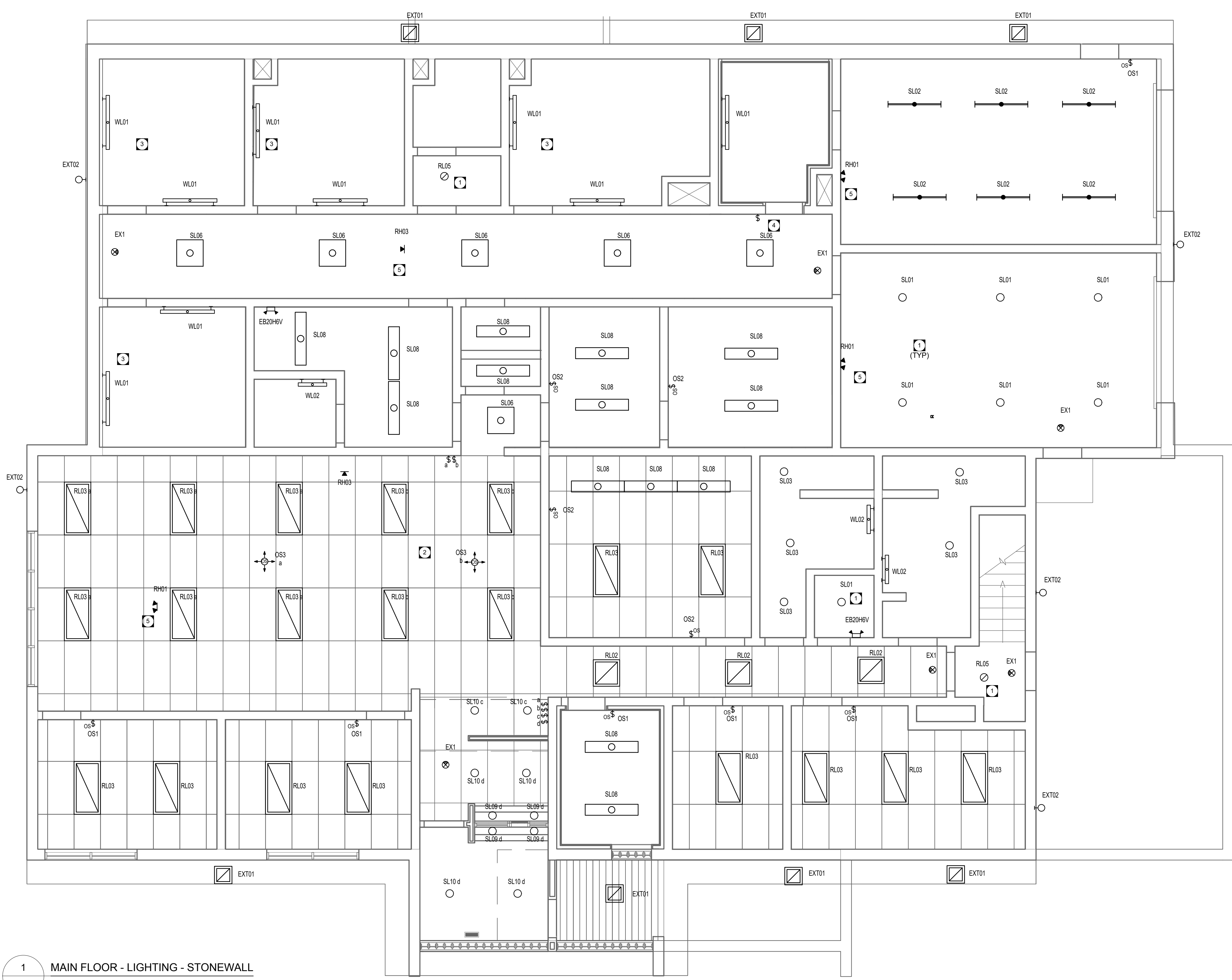
RV #  
**0**

**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 8' 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 SENSORS AND DIMMING WALL SWITCHES FOR MAIN OPEN OFFICE AREA.
- 3. NEW LIGHT FIXTURES IN CELLS TO UTILIZE EXISTING ON/OFF/NIGHT LIGHT CONTROL SWITCHES.
- 4. PROVIDE SWITCH WITH ON/OFF/NIGHT LIGHT CONTROL TO MATCH EXISTING.
- 5. CONNECT LIGHTING CIRCUITS THIS AREA TO ZONE SENSING RELAY FOR CORRESPONDING EMERGENCY LIGHTING BATTERY UNIT.



1 MAIN FLOOR - LIGHTING - STONEWALL  
EL2.1 SCALE: 1 : 50





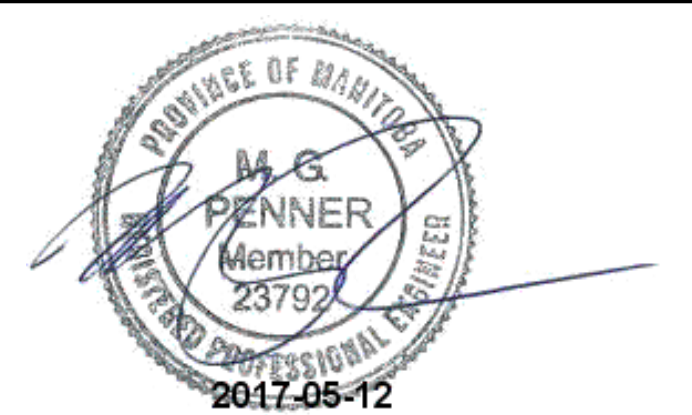
CONSULTANT - SUB-CONSULTANT:



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KEYPLAN:

SEAL:



CLIENT:



CLIENT REF. #: GGH-46-10

PROJECT:

**STONEWALL RCMP DETACHMENT**

**STONEWALL, MB**

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PROJECT NO.	17042
ORIGINAL SCALE:	As indicated
DESIGNED BY:	ML/MM
DRAWN BY:	ML/MM
CHECKED BY:	JF/MP
DISCIPLINE:	ELECTRICAL

TITLE:  
**SECOND FLOOR - LIGHTING PLAN**

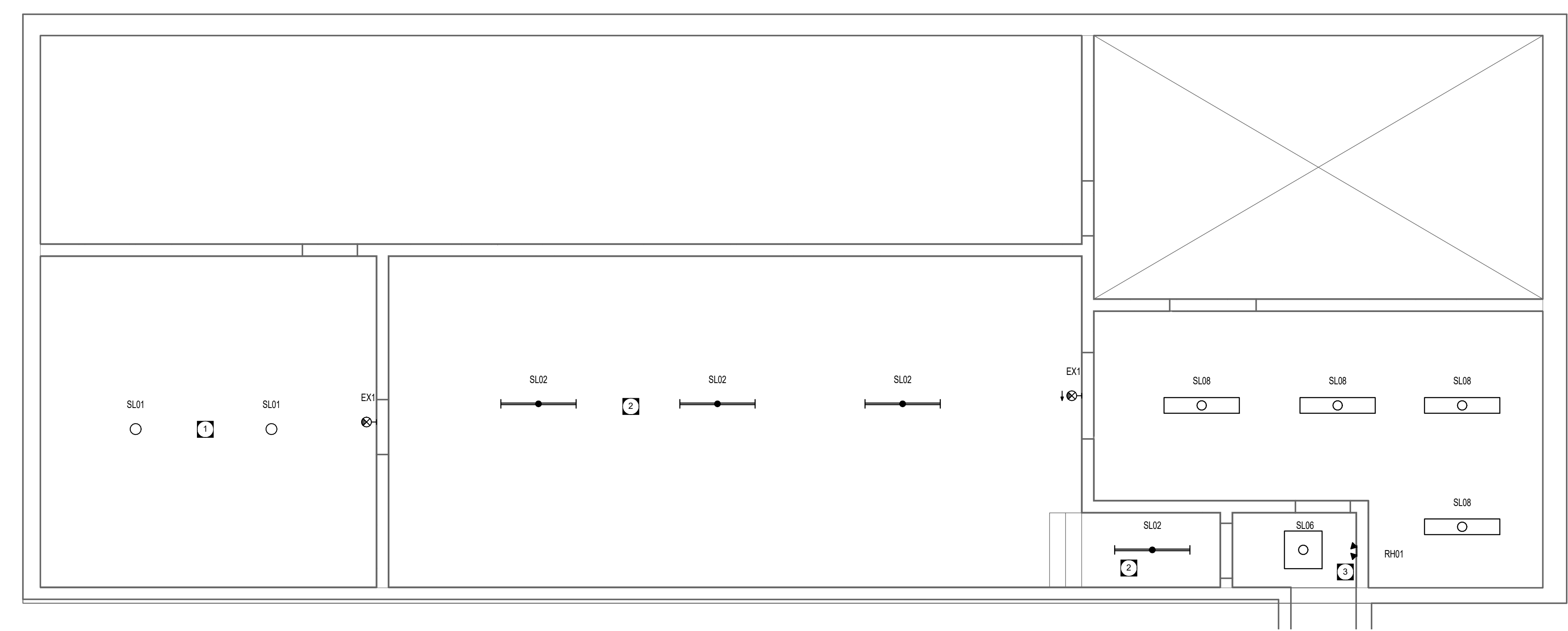
SHEET NUMBER:	<b>EL2.2</b>
SHEET #:	7 OF 10
ISSUE:	--
DATE OF:	--
RV #	<b>0</b>

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 LIGHT FIXTURE ONLY. USE EXISTING CHAIN HANGERS, WIRING AND CONTROL.
- 3 CONNECT LIGHTING CIRCUITS THIS AREA TO ZONE SENSING RELAY FOR CORRESPONDING EMERGENCY LIGHTING BATTERY UNIT.



**1 SECOND FLOOR - LIGHTING - STONEWALL**  
EL2.2 SCALE: 1 : 50







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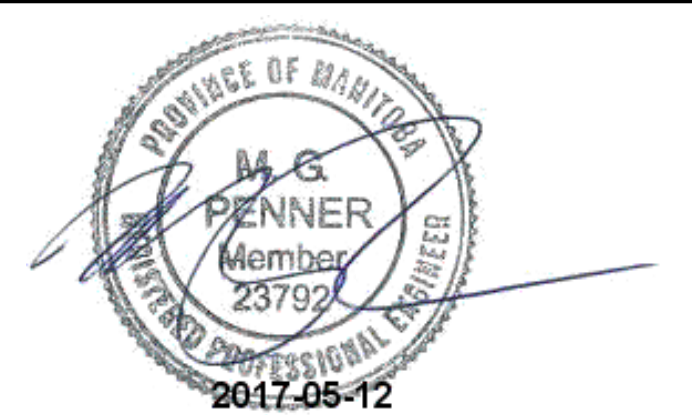
CONSULTANT - SUB-CONSULTANT:



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KEYPLAN:

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PROJECT:

**STONEWALL RCMP  
DETACHMENT**

**STONEWALL, MB**

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DESIGNED BY: ML/MM	
DRAWN BY: ML/MM	
CHECKED BY: JF/MP	1"

DISCIPLINE: ELECTRICAL

TITLE:  
**SECOND FLOOR - POWER PLAN**

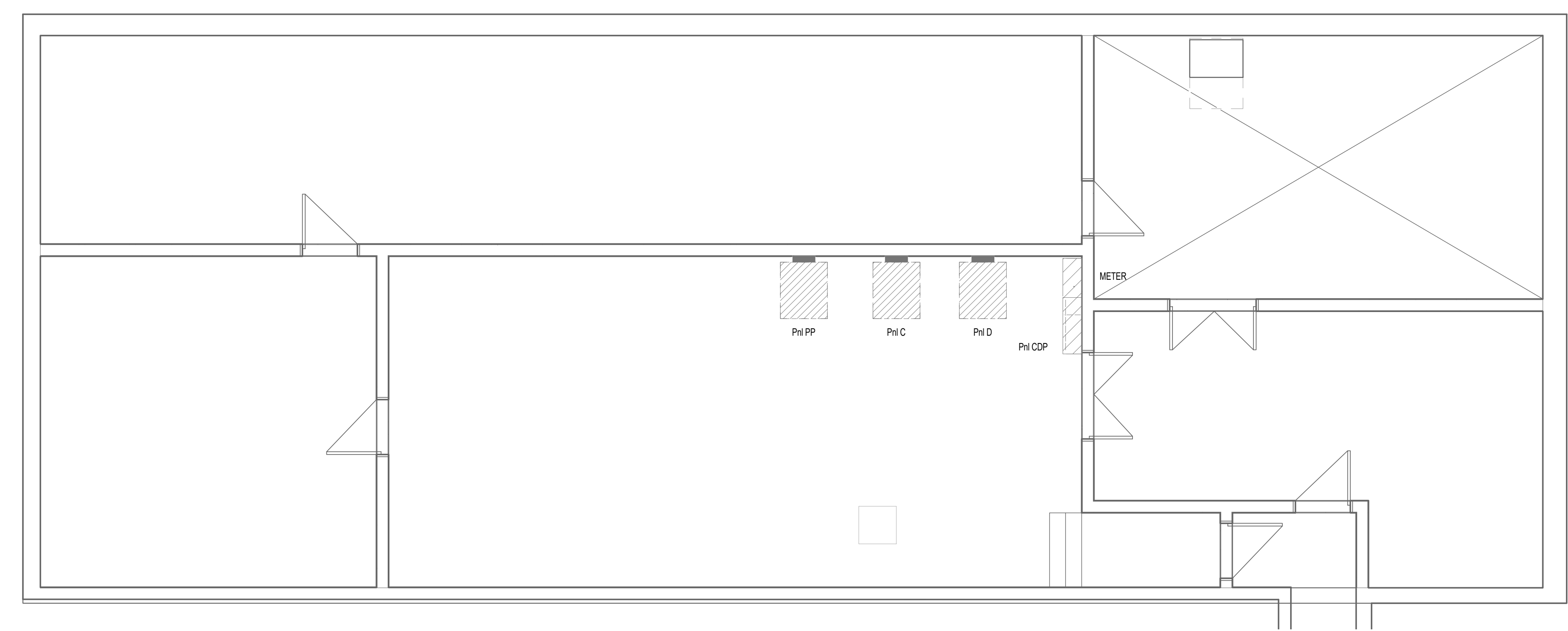
SHEET NUMBER:  
**EP2.2**

SHEET #: 9 OF 10  
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.



**1** SECOND FLOOR - POWER & SYSTEMS - STONEWALL  
EP2.2 SCALE: 1 : 50



LIGHTING FIXTURE SCHEDULE										
TYPE	Description	LENS-LOUVER	MOUNTING	LAMP	BALLAST / DRIVER	VOLT	WATT	MFR	CATALOG SERIES	NOTE
EX1	LED UNIVERSAL MOUNT, UNIVERSAL VOLTAGE, UNIVERSAL SINGLE/DOUBLE FACE PICTOGRAM STYLE EXIT SIGN WITH WHITE ALUMINUM HOUSING AND CHEVRON ARROWS AS SHOWN ON PLANS.	---	UNIVERSAL	< 3W LED MIN 50000 HR	---	120 V	3 W	AIMLITE	RPST-U-M	
EXT01	SURFACE MOUNTED SQUARE, WET LOCATION, COLOUR TO MATCH EXISTING.	OPAL POLYCARBONATE	SOFFIT	1000 LUMEN 4200K	LED DRIVER	120 V	18 W	NEWSTAR	AGV-11-OP-UN-42	
EXT02	EXTERIOR LED WALL LIGHT FIXTURE		WALL	20 LED 4000K	LED DRIVER	120 V	47 W	LITHONIA	DSXW1 LED-20C-700-40K-T3 M-MVOLT-DDBXD	
RH01	DOUBLE HEAD EMERGENCY LIGHTING REMOTE, DIE CAST ALL METAL CONSTRUCTION, WHITE		WALL	2 x 6W LED 50000HR 540 LUMENS	---	12 V	12 W	AIMLITE	RMQVD	2
RH03	SINGLE HEAD EMERGENCY LIGHTING RECESSED REMOTE, ALUMINUM CONSTRUCTION, WHITE		RECESSED	1 x 4W LED 50000HR 540 LUMENS	---	12 V	4 W	AIMLITE	RMRG	2
RL02	610mm x 610mm (2 Foot X 2 Foot) LED VOLUMETRIC SPECIFICATION GRADE.	CURVED RIBBED VOLUMETRIC ACRYLIC DIFFUSOR	RECESSED IN T-BAR	LED 3000lm 80+CRI 4000K 60000HR	(1) LED DRIVER 0-10V DIMMING	120 V	30 W	LITHONIA	2BLT2	
RL03	610mm x 1220mm (2 Foot X 4 Foot) LED VOLUMETRIC SPECIFICATION GRADE.	CURVED RIBBED VOLUMETRIC ACRYLIC DIFFUSOR	RECESSED IN T-BAR	LED 6000lm 80+CRI 4000K 60000HR	(1) LED DRIVER 0-10V DIMMING	120 V	53 W	LITHONIA	2BLT4	
RL05	A19 LED LAMP WITH MEDIUM BASE			LED 850 LUMEN 4000K		120 V	10 W	LED LAMP	LED LAMP	
SL01	A19 LED LAMP WITH MEDIUM BASE			LED 850 LUMEN 4000K		120 V	10 W	LED LAMP	LED LAMP	
SL02	LED STRIP LIGHT	SNAP ON FROSTED DIFFUSER	CHAIN SUSPENDED	LED 3000lm 80+CRI 4000K 60000HR	0-10 VDC DIMMABLE LED DRIVER	120 V	60 W	LITHONIA	ZL1N	
SL03	7" ROUND LED FLUSH MOUNT		SURFACE	660 LUMENS LED 4000K 50,000 HR	LED DRIVER	120 V	9 W	LITHONIA	FMML-7-8-40	1
SL06	610mm x 610mm (2' X 2') SURFACE MOUNT LED	ACRYLIC VOLUMETRIC DIFFUSER	SURFACE	3000 LUMENS LED 82+CRI 4000K	0-10 VDC DIMMABLE LED DRIVER	120 V	29 W	LITHONIA	2BLTX2-30L-ADP-EZ1-LP840	
SL08	254mm x 1220mm (10" X 4') LOW PROFILE CURVED BASKET LED WRAP AROUND	CURVED PRISMATIC DIFFUSER	SURFACE	4600 LUMENS LED 82+CRI 4000K	0-10 VDC DIMMABLE LED DRIVER	120 V	41 W	LITHONIA	LBL4LP840	
SL09	4" ROUND RECESSED LED FIXTURE	DIFFUSING OPTICAL LENS	RECESSED	LED 1500 LUMENS 4000K 50000 HR		120 V	31 W	LITHONIA	LDN4-40/15-AR-LSS-120-EZ10	
SL10	6" ROUND RECESSED LED FIXTURE	DIFFUSING OPTICAL LENS	RECESSED	LED 1500 LUMENS 4000K 50000 HR		120 V	31 W	LITHONIA	LDN6-40/15-L06-AR-LSS-120-EZ10	
WL01	CORNER LUMINAIRE NON-CLAMSHELL FOR MAX SECURITY USE COMPLETE WITH NIGHTLIGHT		SURFACE WALL		LED DRIVER	120 V	50 W	NEWSTAR	554-A-L2-LED40-1-A-12-LN	
WL02	SURFACE WALL MOUNT 2' LED	LINEAR REFRACTOR	SURFACE WALL	1800 LUMENS LED 82+CRI 4000K 50,000 HR	0-10 VDC DIMMABLE LED DRIVER	120 V	18 W	LITHONIA	WL2	

**GENERAL NOTES:**  
A. EMERGENCY LIGHTING MODEL NUMBERS ARE BASED ON AIMLITE PRODUCT LINE. EMERGLITE, BEGHELLIE, AND LUMACELL MEETING PERFORMANCE SPECIFICATIONS ARE APPROVED EQUAL.  
B. FIXTURES ABOVE ARE A BASIS OF DESIGN. ALTERNATES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION.

**SCHEDULE NOTES:**  
1. PROVIDE WET LOCATION RATED LIGHT FIXTURE IN WASHROOMS AND SHOWERS.  
2. ADJUST OPTICS FOR WIDE DISTRIBUTION.

EMERGENCY BATTERY BANK SCHEDULE										
ID MARK	TYPE	DESCRIPTION	LAMP	AC VOLT	DC VOLT	WATT	MFR	CATALOG SERIES	NOTE	
BU-12	EB20H6V	BATTERY BANK, STEEL CABINET COMPLETE WITH INTEGRAL VOLTAGE SENSING RELAYS, DOUBLE EMERGENCY LIGHTING HEADS AND DC TERMINAL BLOCKS.	2 x 6W LED 50000HR 540 LUMENS	120 V	12 V	200 W	AIMLITE	EBST		
BU-54	EB20H6V	BATTERY BANK, STEEL CABINET COMPLETE WITH INTEGRAL VOLTAGE SENSING RELAYS, DOUBLE EMERGENCY LIGHTING HEADS AND DC TERMINAL BLOCKS.	2 x 6W LED 50000HR 540 LUMENS	120 V	12 V	200 W	AIMLITE	EBST		

**GENERAL NOTES:**  
A. EMERGENCY LIGHTING MODEL NUMBERS ARE BASED ON AIMLITE AIMLITE PRODUCT LINE. EMERGLITE, BEGHELLIE, AND LUMACELL MEETING PERFORMANCE SPECIFICATIONS ARE APPROVED EQUAL.  
B. WHERE "APPROVED EQUAL" IS LISTED IN THE MANUFACTURER COLUMN, FIXTURES MUST BE SUBMITTED AS A SUBSTITUTION FOR APPROVAL PRIOR TO BID SUBMISSION.

**SCHEDULE NOTES:**  
1. N/A

LIGHTING CONTROL DEVICE SCHEDULE						
TYPE	DESCRIPTION	MANUFACTURER	CATALOG No.	WATTS	VOLTS	NOTES
OS1	COMBINATION ULTRASONIC OCCUPANCY SENSOR/SWITCH, WALL MOUNTED, LINE VOLTAGE, WITH ON-OFF PUSHBUTTON WITH DIMMING.	SENSORSWIT CH	WSX PDT D	0 W	0 V	1
OS2	COMBINATION ULTRASONIC OCCUPANCY SENSOR/SWITCH, WALL MOUNTED, LINE VOLTAGE, WITH ON-OFF PUSHBUTTON.	SENSORSWIT CH	WSX PDT	0 W	0 V	1
OS3	ULTRASONIC OCCUPANCY SENSOR, CEILING MOUNTED 360° COVERAGE, MINIMUM 1100 SQUARE FEET.	SENSORSWIT CH	CM PDT 9	0 W	0 V	1

**SCHEDULE NOTES:**  
1. PROVIDE DEVICE TO MATCH OPERATING VOLTAGE OF LOADS CONTROLLED.

PANELBOARD: PP												
LOCATION: Space 122 MOUNTING: SURFACE NEMA1 MAIN DEVICE: 60 A MLO BUS AMPS: 200 AMPS						VOLTAGE: 120/208 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL SPECIAL:						
LOAD DESCRIPTION	BKR	P	CKT	A	B	C	CKT	P	BKR	LOAD DESCRIPTION		
EXISTING	--	--	PP-1	0.0	0.0					EXISTING		
EXISTING	--	--	PP-3							EXISTING		
EXISTING	--	--	PP-5							EXISTING		
EXISTING	--	--	PP-7	0.0	0.0					EXISTING		
EXISTING	--	--	PP-9							EXISTING		
EXISTING	--	--	PP-11							EXISTING		
EXISTING	--	--	PP-13	0.0	0.0					EXISTING		
EXISTING	--	--	PP-15							EXISTING		
EXISTING	--	--	PP-17							EXISTING		
EXISTING	--	--	PP-19	0.0	0.0					EXISTING		
EXISTING	--	--	PP-21							EXISTING		
EXISTING	--	--	PP-23							EXISTING		
EXISTING	--	--	PP-25	0.0	0.0					EXISTING		
RCPT Space 10	20 A	1	PP-27			0.2	0.0			EXISTING		
RCPT Space 6	20 A	1	PP-29				0.4	0.0		EXISTING		
RCPT Space 6	20 A	1	PP-31	0.4	0.4					RCPT Space 6		
RCPT	20 A	1	PP-33			0.2	0.4			RCPT Space 7		
SPEC Space 6	30 A	2	PP-35							SPEC Space 12		
			PP-37	2.5	0.0			2.5	0.0	SPEC Space 6		
			PP-39									
			PP-41									
HEAT Space 12	30 A	2	PP-43					2.0	2.5	HEAT Space 6		
			PP-45									
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MAIN FLOOR - MECHANICAL DEMOLITION PLAN - STONEWALL

M2.1 SCALE: 1 : 50

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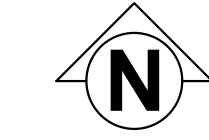
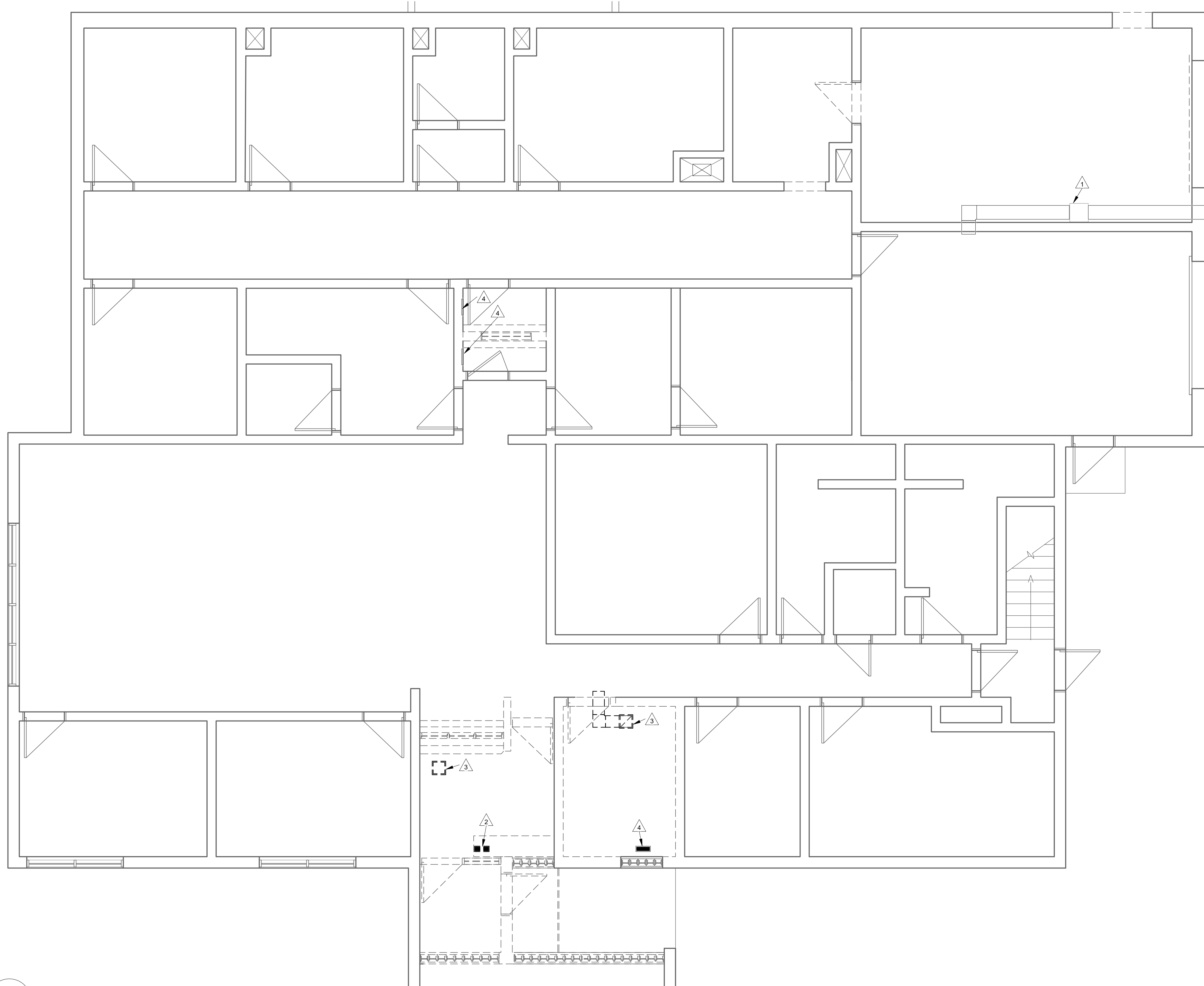
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**MECHANICAL DEMOLITION GENERAL NOTES**

- 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 EXHAUST FAN AND ASSOCIATED DUCTWORK TO REMAIN.
- 2 DEMOLISH EXISTING GRILLES. DEMOLISH ASSOCIATED DUCTWORK BACK TO MAIN. CAP AND SEAL MAIN DUCTS WHERE DUCT BRANCHES HAVE BEEN REMOVED. REINSULATE AND MAKE GOOD INSULATION WHERE DUCTWORK HAS BEEN REMOVED.
- 3 DEMOLISH EXISTING TRANSFER AIR GRILLE. ASSOCIATED DUCTWORK AND HANGERS.
- 4 REMOVE EXISTING GRILLES AND DIFFUSERS TO ALLOW FOR ROOM REFINISHING. GRILLES TO BE REUSED IN RENOVATION WHERE INDICATED.

**MECHANICAL DRAWINGS**

- RCMP OFFICE - STONEWALL
- M2.1 MAIN FLOOR - MECHANICAL DEMOLITION PLAN - STONEWALL
- M2.2 MAIN FLOOR - MECHANICAL RENOVATION PLAN - STONEWALL
- M2.3 SECOND FLOOR - MECHANICAL DEMOLITION & RENOVATION PLAN - STONEWALL
- M2.4 MECHANICAL DETAILS & SCHEDULES - STONEWALL



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KEY PLAN:

CLIENT:

Royal Canadian Mounted Police / Gendarmerie royale du Canada

CLIENT REF. #: GGH-46-10

PROJECT:

**STONEWALL RCMP DETACHMENT**

**STONEWALL, MB**

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NO.	DATE	DESCRIPTION
0	May 12, 2017	Issued for Tender

PROJECT NO.	DATE	DESCRIPTION
17042		

ORIGINAL SCALE: As indicated

DESIGNED BY: TD

DRAWN BY: TD

CHECKED BY: SD

DISCIPLINE: MECHANICAL

TITLE:

**MAIN FLOOR - MECHANICAL DEMOLITION PLAN - STONEWALL**

SHEET NUMBER: M2.1

SHEET #: -- OF --

ISSUE: --

DATE OF: --

RV #: 0





CONSULTANT - SUB-CONSULTANT:



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

KEY PLAN:

SEAL:



CLIENT:



CLIENT REF. #: GGH-46-10

PROJECT:

**STONEWALL RCMP  
DETACHMENT**

**STONEWALL, MB**

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ISSUED FOR - REVISION:

RV	DATE	DESCRIPTION
O	May 12, 2017	Issued for Tender

PROJECT NO:	17042	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
ORIGINAL SCALE:	As indicated	
DESIGNED BY:	TD	
DRAWN BY:	TD	
CHECKED BY:	SD	1"

DISCIPLINE: **MECHANICAL**

**MAIN FLOOR - MECHANICAL  
RENOVATION PLAN - STONEWALL**

SHEET NUMBER: **M2.2**

SHEET #: -- OF --  
ISSUE: --  
DATE OF: --

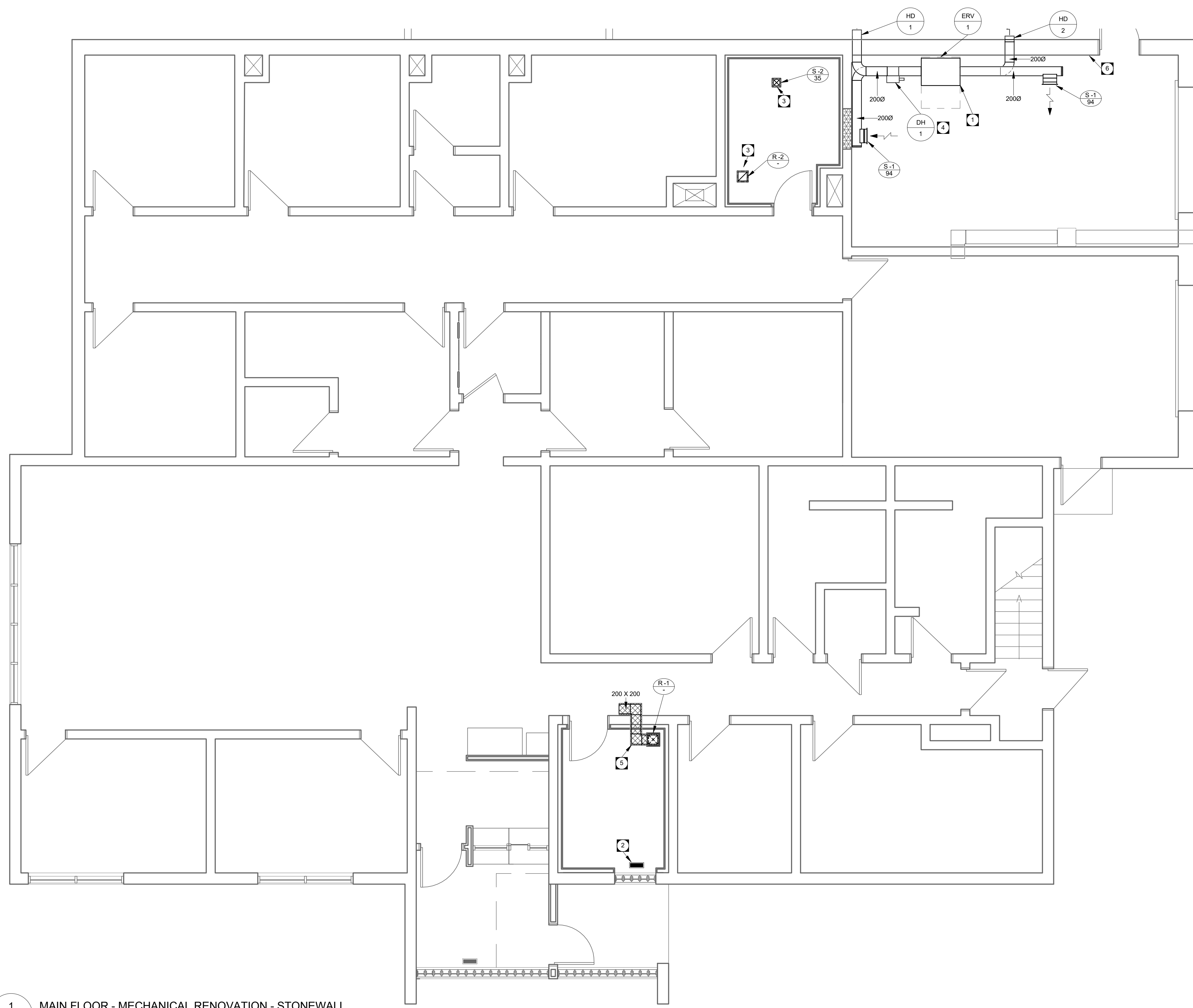
RV #  
**0**

**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.
- B. COMPLETE WITH ACCESS DOORS. SEE STANDARD DETAIL. REFER TO ARCHITECTURAL DRAWING FOR WALL TYPES.
- 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. CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.
- K. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM.

**KEY NOTES**

- 1. PROVIDE NEW ERV AT HIGH LEVEL ALONG EXTERIOR WALL. PROVIDE OUTDOOR AIR INTAKE AND EXHAUST HOODS AT HIGH LEVEL ON EXTERIOR WALL. ENSURE A MINIMUM DISTANCE OF 3 METERS SEPARATION IS MAINTAINED.
- 2. REINSTALL EXISTING SUPPLY GRILLE IN SAME LOCATION AFTER ROOM FINISHING HAS BEEN COMPLETED.
- 3. PROVIDE NEW SECURITY SUPPLY AND RETURN AIR GRILLES WITHIN HARD INTERVIEW ROOM. CONNECT DUCTWORK INTO EXISTING SECURE SIDE FURNACE WITHIN ROOF SPACE ABOVE ROOM. REWORK EXISTING INSULATION AT TIE IN LOCATIONS TO ENSURE A CONTINUOUS VAPOR BARRIER IS ACHIEVED.
- 4. PROVIDE NEW ELECTRONIC PREHEAT COIL ON OUTDOOR AIR DUCT UPSTREAM OF THE ERV.
- 5. PROVIDE ACOUSTIC RETURN ELBOW WITHIN DROPPED CEILING. ELBOW SHALL HAVE 25MM THICK ACOUSTIC LINING AND BE CONFIGURED AS SHOWN.
- 6. ERV TIMER TO BE MOUNTED ON WALL. COORDINATE EXACT LOCATION WITH ARCHITECT.



**1 MAIN FLOOR - MECHANICAL RENOVATION - STONEWALL**  
M2.2 SCALE: 1 : 50



10

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ARCHITECTURE | 49

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WINNIPEG, MANITOBA R2T 6B8  
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Winnipeg, MB R3B 0P4  
T 204 453 1080

KEY PLAN:

SEAL:



CLIENT:



CLIENT REF. #: CGH-46-10

PROJECT:

**STONEWALL RCMP  
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**STONEWALL, MB**

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ISSUED FOR - REVISION:

RV	DATE	DESCRIPTION
O	May 12, 2017	Issued for Tender

PROJECT NO. 17042	IF THIS BAR IS NOT 1" LONG, ADJUST YOUR PLOTTING SCALE.
ORIGINAL SCALE: As indicated	
DESIGNED BY: TD	
DRAWN BY: TD	
CHECKED BY: SD	1"

DISCIPLINE: MECHANICAL

TITLE:  
**SECOND FLOOR - MECHANICAL  
DEMOLITION & RENOVATION  
PLAN - STONEWALL**

SHEET NUMBER: **M2.3**

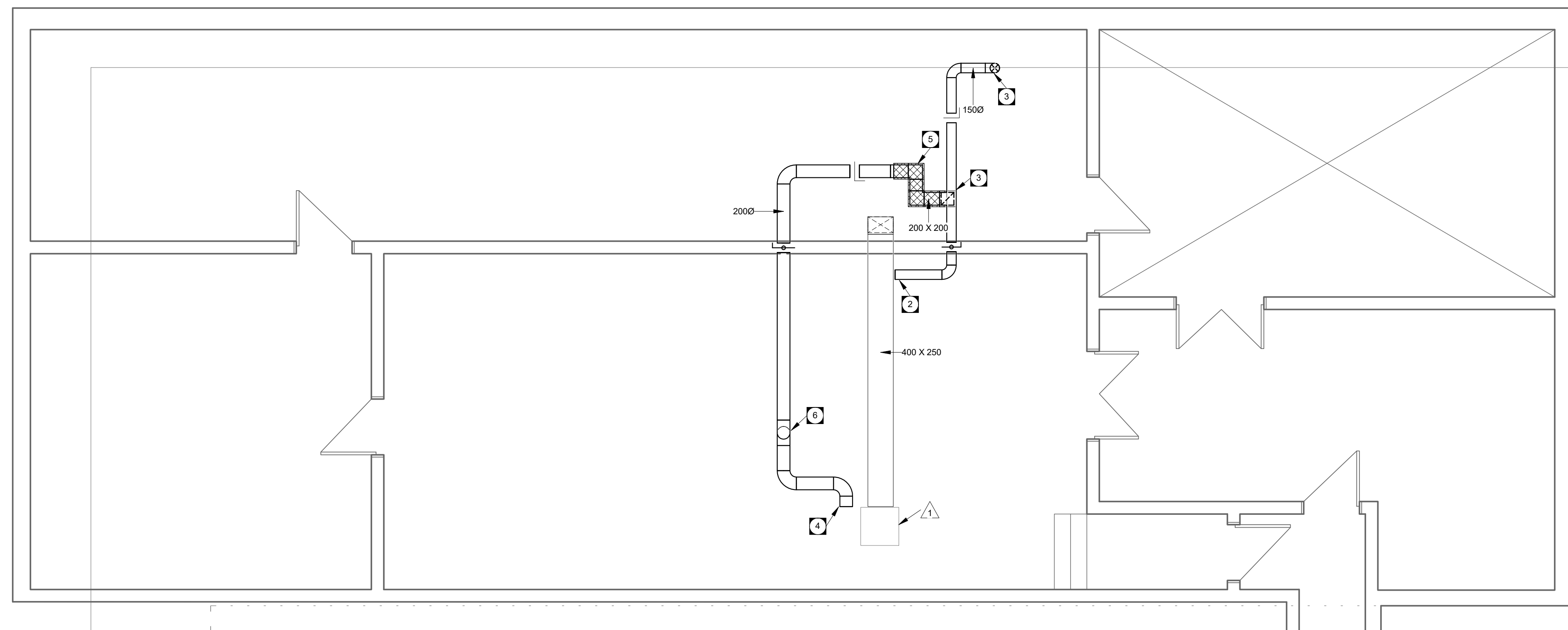
SHEET #: --	OF --	RV # <b>0</b>
ISSUE: --		
DATE OF: --		

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.
- 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. CONTRACTOR SHALL SCAN FOR REBAR AND CONDUIT AND PROVIDE RESULTS OF SCAN IN WRITING TO OWNER PRIOR TO CORING OR DRILLING IN ANY CONCRETE WALL OR FLOOR.
- K. THE INTERRUPTION OF ANY SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER AND SHALL BE KEPT TO A MINIMUM.

KEY NOTES

- 1. EXISTING SECURE SIDE FURNACE TO REMAIN.
- 2. CONNECT NEW DUCTWORK INTO EXISTING SECURE SIDE FURNACE WITHIN MECHANICAL ROOM. REWORK INSULATION AT THIS LOCATION TO ENSURE A PROPER VAPOR BARRIER IS MAINTAINED.
- 3. DUCT DROP TO AIR TERMINAL BELOW.
- 4. CONNECT RETURN DUCT FOR NEW INTERVIEW ROOM INTO SECURE SIDE FURNACE RETURN DUCT.
- 5. PROVIDE ACOUSTIC SECTION OF DUCTWORK AS SHOWN. DUCTWORK SHALL BE COMPLETE WITH 25MM ACOUSTIC LINING.
- 6. OFFSET DUCTWORK TO AVOID EXISTING SERVICES WITHIN MECHANICAL ROOM.



**1** SECOND FLOOR - MECHANICAL DEMOLITION & RENOVATION - STONEWALL  
M2.3 SCALE: 1 : 50



