

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING

**4806-55 Street,
St. Paul, Alberta**

Set No.



ARCHITECTURAL

Stephens Kozak ACI Architects & Planners

W-A01	EXISTING MAIN FLOOR KEYPLAN
W-A02	MAIN FLOOR DEMOLITION KEYPLAN
W-A03	MAIN FLOOR NEW CONSTRUCTION KEYPLAN
W-A04	MAIN FLOOR REFLECTED CEILING KEYPLAN
W-A05	LARGE SCALE PLANS
W-A06	LARGE SCALE PLANS & SECTION
W-A07	MISCELLANEOUS SECTIONS & DETAILS
W-A08	SECOND FLOOR DEMOLITION KEYPLAN
W-A09	SECOND FLOOR NEW CONSTRUCTION KEYPLAN
W-A10	SECOND FLOOR REFLECTED CEILING KEYPLAN
W-A11	MILLWORK ELEVATIONS, SECTIONS & DETAILS

MECHANICAL

Bacz Engineering Ltd.

M001	MECHANICAL TITLE PAGE
M002	MECHANICAL LEGEND
M003	MECHANICAL DETAILS
M101	MAIN FLOOR PIPING PLANS - DEMOLITION
M102	2ND FLOOR PIPING PLANS - DEMOLITION
M103	MAIN FLOOR HVAC PLANS - DEMOLITION
M104	2ND FLOOR HVAC PLANS - DEMOLITION
M201	MAIN FLOOR PIPING PLANS - NEW CONSTRUCTION
M202	2ND FLOOR PIPING PLANS - NEW CONSTRUCTION
M203	MAIN FLOOR HVAC PLANS - NEW CONSTRUCTION
M204	2ND FLOOR HVAC PLANS - NEW CONSTRUCTION

ELECTRICAL

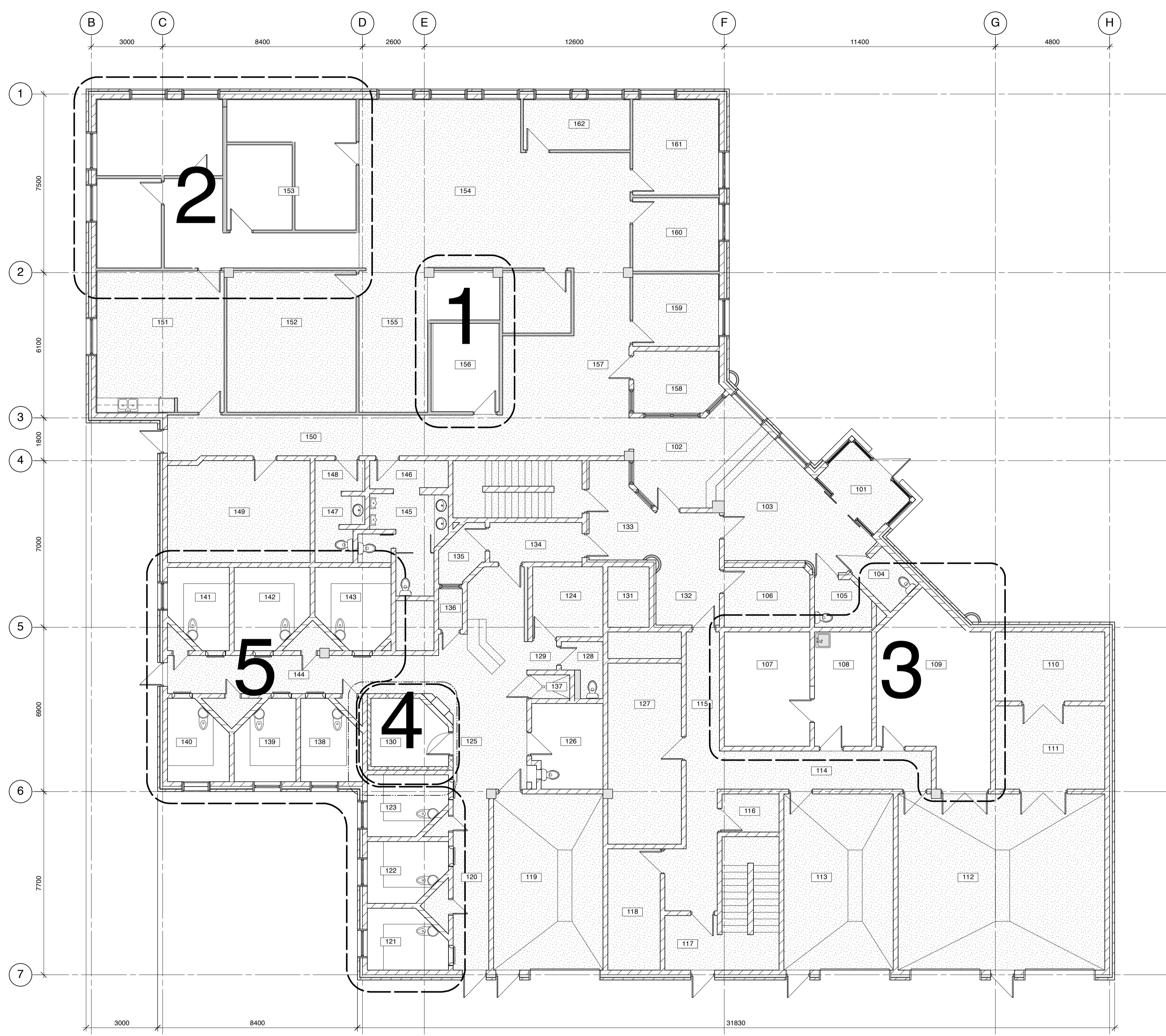
AECOM

E001	ELECTRICAL TITLE, LEGEND AND DETAILS
E101	MAIN POWER & SYSTEMS PLAN - DEMOLITION
E102	NOT USED
E103	2ND POWER & SYSTEMS PLAN - DEMOLITION
E104	2ND LIGHTING PLAN - DEMOLITION
E200	MAIN LIGHTING PLAN - NEW CONSTRUCTION
E201	MAIN POWER & SYSTEMS PLAN - NEW CONSTRUCTION
E202	2ND LIGHTING PLAN - NEW CONSTRUCTION
E203	2ND POWER & SYSTEMS - NEW CONSTRUCTION



**RENOVATIONS TO GOVERNMENT OF CANADA BUILDING
4806-55 Street, St. Paul, Alberta**

ISSUED FOR TENDER



**MAIN FLOOR
KEYPLAN**
Scale: 1:100

- LEGEND**
- AREA NOT IN CONTRACT
- ABBREVIATIONS:**
(APPLIES TO ALL DRAWINGS)
- AP ACCUSTIC PANEL
 - C/W COMPLETE WITH
 - EX EXISTING
 - FP FILLER PANEL
 - GB GYPSUM BOARD
 - GL GLAZING
 - MIR MIRROR
 - N.I.C. NOT IN CONTRACT
 - O/C ON CENTRE
 - SIM SIMILAR
 - T.O. TOP OF
 - TYP TYPICAL
 - U.N.O. UNLESS NOTED OTHERWISE
 - U/S UNDERSIDE

number	revision	date
01	ISSUED FOR TENDER	

notes

- 12 Drawing Note
- 102 Room Number
- 102.1 Door Number
- W2 Window Type - refer to A25 for rough opening size and elevation
- W1 Exterior Wall Type P1 Interior Partition Type
- 4.13 Plan Detail detail number
- A-C Interior Elevation Reference

WALL SECTION

- A detail number
- B source drawing no.
- C detail on drawing no.

BUILDING SECTION

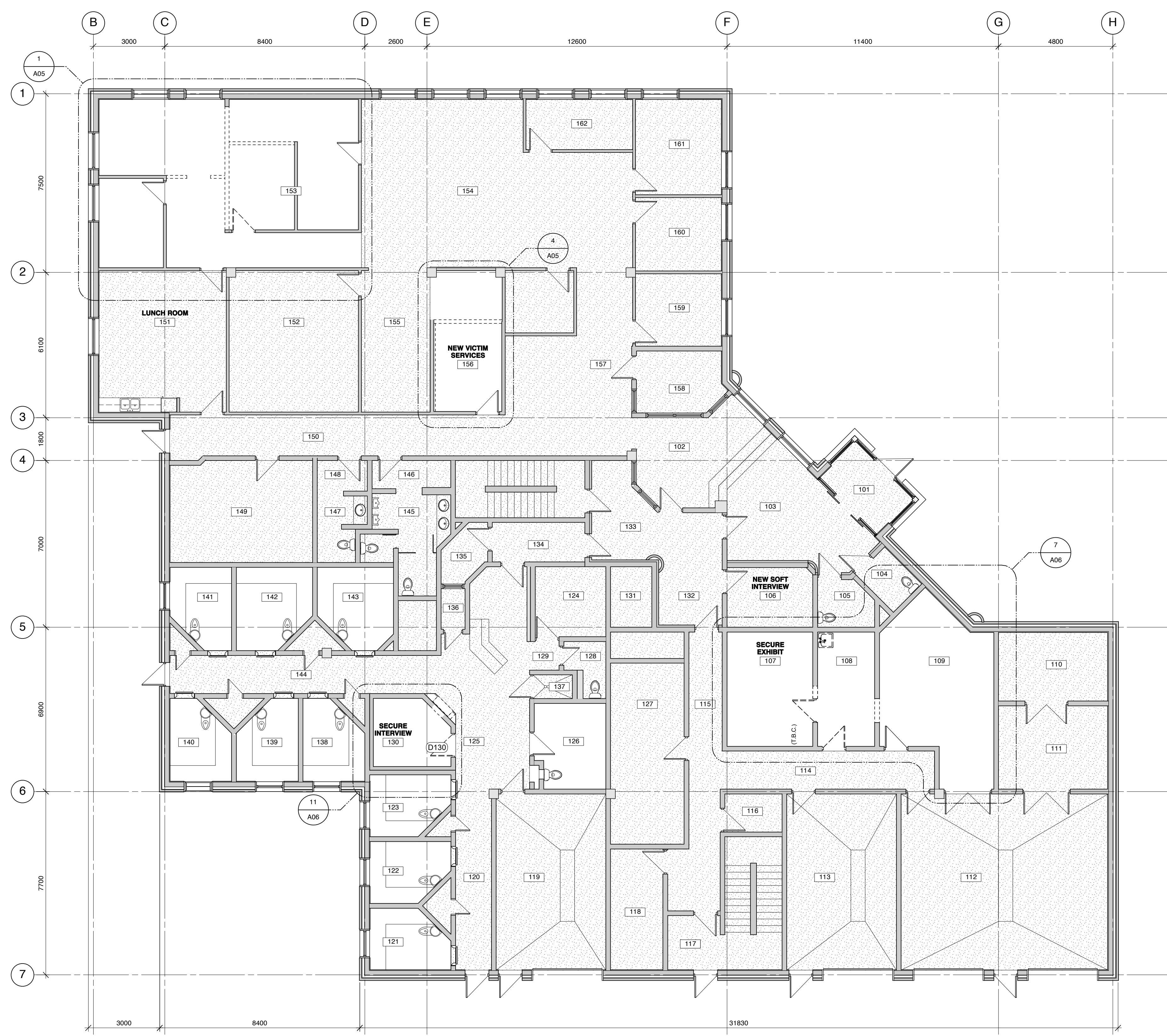
- A detail number
- B source drawing no.
- C detail on drawing no.

project

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING, 4806-55 Street, St. Paul, Alberta

EXISTING MAIN FLOOR KEYPLAN
SCALE: 1 : 100

designed	VK	concu
date	January 2013	date
drawn	CB	dessine
date	March 26, 2013	date
approved	APPROVED BY	approuve
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet
drawing number	W-A01	numero de dessin



**MAIN FLOOR
DEMOLITION PLAN**
Scale: 1:100

- LEGEND**
- EXISTING WALL TO BE REMOVED
 - EXISTING WALL TO REMAIN
 - EXISTING DOOR TO REMAIN
 - - - EXISTING DOOR TO BE REMOVED
 - AREA NOT IN CONTRACT

GENERAL DEMOLITION NOTES

1. MAKE GOOD ALL SURFACES AFFECTED BY DEMOLITION TO MATCH EXISTING ADJACENT.
2. DIMENSIONS SHOWN ON DEMOLITION PLAN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL SIZES TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORK.

- ABBREVIATIONS:**
(APPLIES TO ALL DRAWINGS)
- AP ACOUSTIC PANEL
 - CW COMPLETE WITH
 - EX EXISTING
 - FP FILLER PANEL
 - GB GYPSUM BOARD
 - GL GLAZING
 - MIR MIRROR
 - N.I.C. NOT IN CONTRACT
 - O.C. ON CENTRE
 - SIM. SIMILAR
 - T.O. TOP OF
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number	revision	date
01	ISSUED FOR TENDER	

notes

- 12 Drawing Note
- 102 Room Number
- 102.1 Door Number
- W.2 Window Type - refer to A25 for rough opening size and elevation
- W.1 Exterior Wall Type
- P.1 Interior Partition Type
- 4.13 Plan Detail
- detail number
- A-C Interior Elevation Reference

WALL SECTION

A detail number
B source drawing no.
C detail on drawing no.

BUILDING SECTION

A
B
C

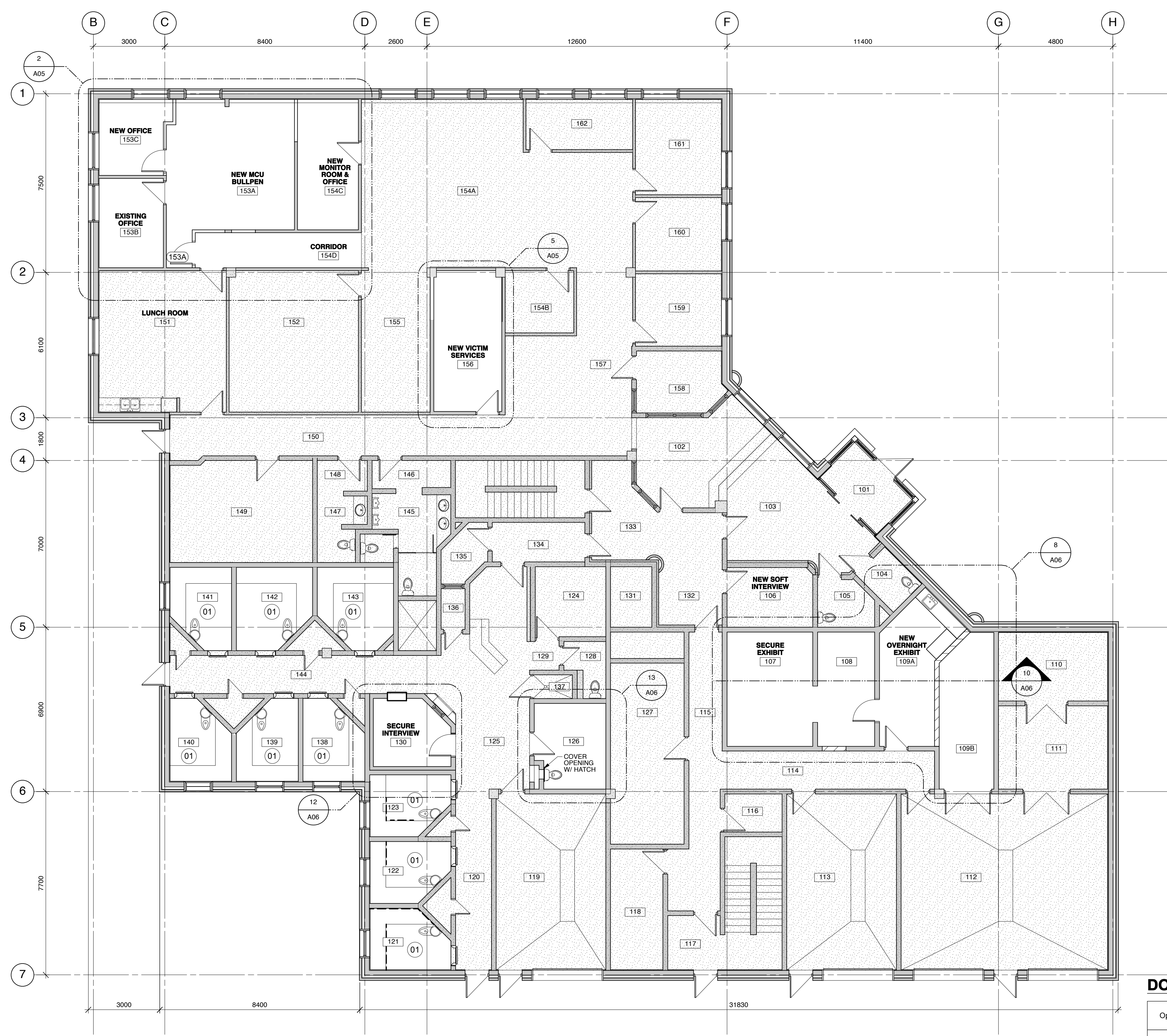
project

**RENOVATIONS TO GOVERNMENT
OF CANADA BUILDING,
4806-55 Street,
St. Paul, Alberta**

drawing

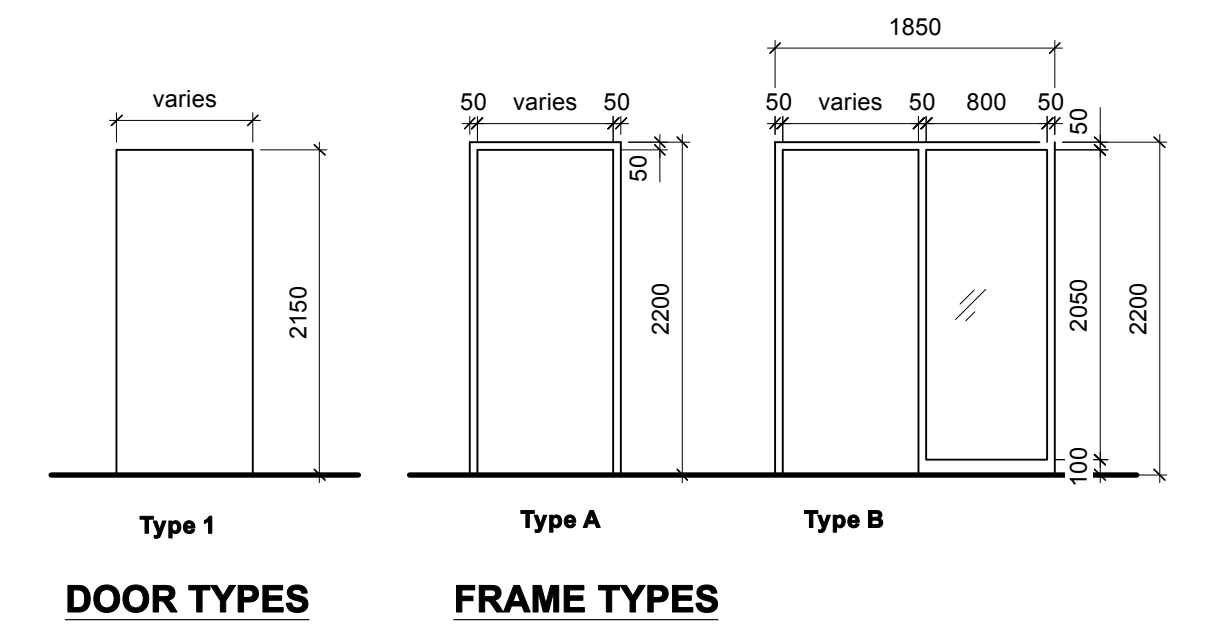
**MAIN FLOOR
DEMOLITION KEYPLAN**
SCALE: 1 : 100

designed	VK	corcu
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RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
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SUMMARY OF WORK:

- RM 106 WALL PANELS
FLOORING
LIGHTING
CAMERA
NEW ACOUSTIC DOOR AND FRAME
- RM 108 REMOVE DOOR FRAME AND EXPAND EXISTING OPENING TO RM 107
REMOVE DOOR & FRAME TO RM 114. BLOCK IN OPENING AND PAINT TO MATCH EXISTING
- RM 109 NEW BLOCK WALL TO CREATE NEW OVERNIGHT EXHIBIT STORAGE
CAP OVER NEW OVERNIGHT EXHIBIT STORAGE
- RM 121-123 REPAINT CELLS
RM 138-143
- RM 130 WALL PANELS
RELOCATE HOSE REEL
NEW ACOUSTIC WINDOW
- RM 126 COVER OPENING WITH HATCH
- RM 153 NEW MONITOR ROOM & OFFICE
- RM 153A NEW MCU BULLPEN
- RM 153C NEW OFFICE
- RM 154D NEW CORRIDOR
- 156 NEW VICTIM SERVICES



LEGEND

- NEW PARTITION WALL
13 GYPSUM BOARD ON BOTH SIDES
OF 92 STEEL STUDS @ 400 O.C.
- NEW 190 CONCRETE BLOCK
- EXISTING WALL TO REMAIN
- EXISTING DOOR TO REMAIN
- NEW DOOR
- AREA NOT IN CONTRACT
- DAMAGE TO BE REPAIRED (IN CELL AREAS)

ABBREVIATIONS:
(APPLIES TO ALL DRAWINGS)

- AP ACOUSTIC PANEL
- C/W COMPLETE WITH
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- GB GYPSUM BOARD
- GL GLAZING
- MIR MIRROR
- N.I.C. NOT IN CONTRACT
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- SM SIMILAR
- T.O. TOP OF
- TYP TYPICAL
- U.N.O. UNLESS NOTED OTHERWISE
- U/S UNDERSIDE

KEYNOTES:

- RE-PAINT CELL WALLS AND CELL BUNK UP TO 800 ABOVE CONC. BUNKS.
COLOUR TO MATCH EXISTING

DOOR & FRAME SCHEDULE

All doors not scheduled are to remain

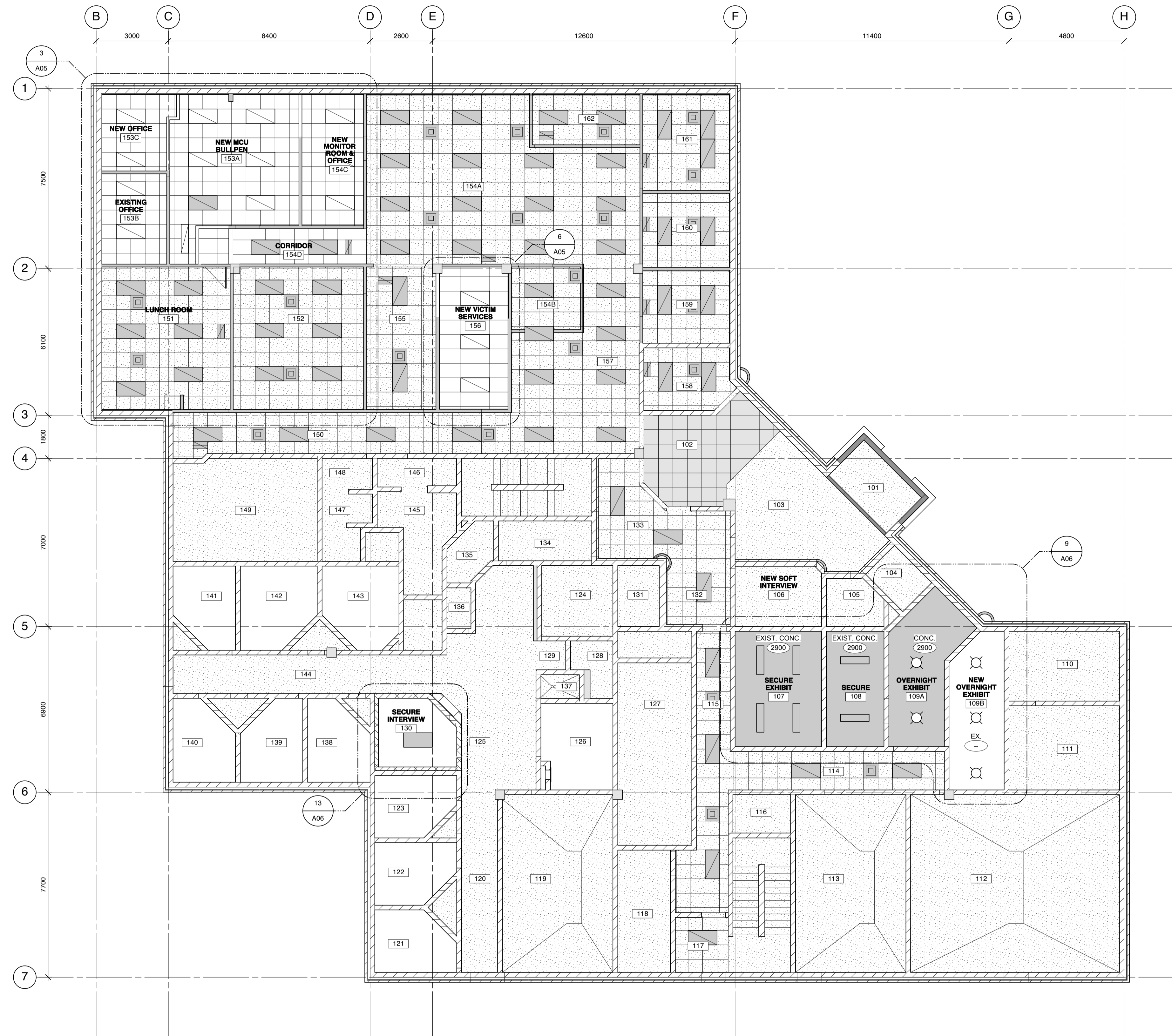
Opening #	Door				Frame				Remarks				
	From	To	# of Leafs	Width	Height	Thickness	Type	Material		Glazing	Type	Material	Glazing
D107													Remove door, frame and hardware
D108													Remove door, frame and hardware
D130													Remove door and frame, retain hardware
D153			1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware in door 153A
108	109A	108	1	900	2150	45	1	HM		A	PS		
109A	114	109A											Provide new hardware
130	125	130	1	900	2150	45	1	HMA		A	PSA		New door and frame to be STC 51 rated
153A	154D	153A	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware from D153
153C	153A	153C	1	900	2150	45	1	HM		A	PS		
D209	208	210	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware in door 209
D210.1	208	210	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware in door 208E
D210.2	210	Closet											Remove door, frame and hardware
D211.1	211	208	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware in door 207
D211.2	208	211	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware in door 210
207	208B	207	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware from door D211.1
208B	208A	208B	1	900	2150	45	1	HM		B	PS	L/800 x 2050	
208C	208A	208C	1	900	2150	45	1	HM		B	PS	L/800 x 2050	
208D	208A	208D	1	900	2150	45	1	HM		B	PS	L/800 x 2050	
208E	208A	209	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware from door D210.1
209	208A	209	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware from door D209
210	208A	209	1	900	2150	45	1	HM		A	PS		Reuse door, frame and hardware from door D211.2
211	208A	209	1	900	2150	45	1	HM		A	PS		

Legend:
HM Hollow Metal (honeycomb core)
HMA Hollow Metal Acoustic (honeycomb core)
L 6mil Laminated Safety Glass
PS Pressed Steel
PSA Pressed SteelAcoustic

RENOVATIONS TO GOVERNMENT
OF CANADA BUILDING,
4806-55 Street,
St. Paul, Alberta

**MAIN FLOOR
NEW CONSTRUCTION
KEYPLAN**
SCALE: 1 : 100

designed by VK
date January 2013
drawn by CB
date March 26, 2013
approved by APPROVED BY
date APPROVED DATE
Tender TENDER DATE
RCMP Project Manager BRUNO WEISS
project number BRUNO WEISS
designed by VK
date January 2013
drawn by CB
date March 26, 2013
approved by APPROVED BY
date APPROVED DATE
Tender TENDER DATE
RCMP Project Manager BRUNO WEISS
project number BRUNO WEISS
drawing number W-A03



**MAIN FLOOR
REFLECTED CEILING PLAN**
Scale: 1:100

- CEILING LEGEND:**
- EXISTING RECESSED FLUORESCENT
 - EXISTING RETURN AIR GRILLE
 - EXISTING SUPPLY AIR DIFFUSER
 - CONCRETE CAP
 - CEILING AREA NOT IN CONTRACT

01	ISSUED FOR TENDER	
number	revision	date

notes	note
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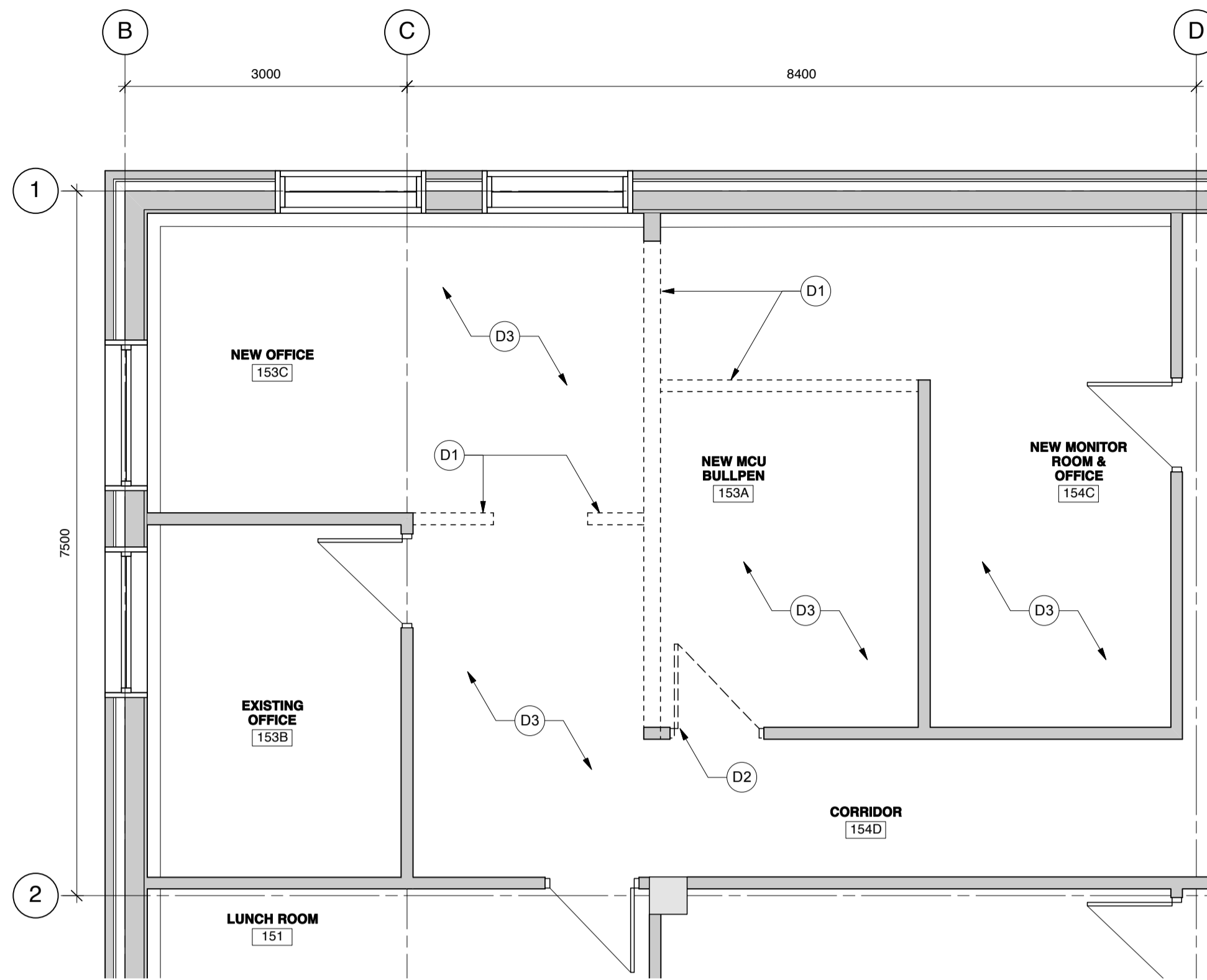
- Drawing Note
 - Room Number
 - Door Number
 - Window Type - refer to A25 for rough opening size and elevation
 - Exterior Wall Type
 - Interior Partition Type
 - Plan Detail
 - Interior Elevation Reference
- WALL SECTION** **BUILDING SECTION**
- A detail number
 - B source drawing no.
 - C detail on drawing no.

project

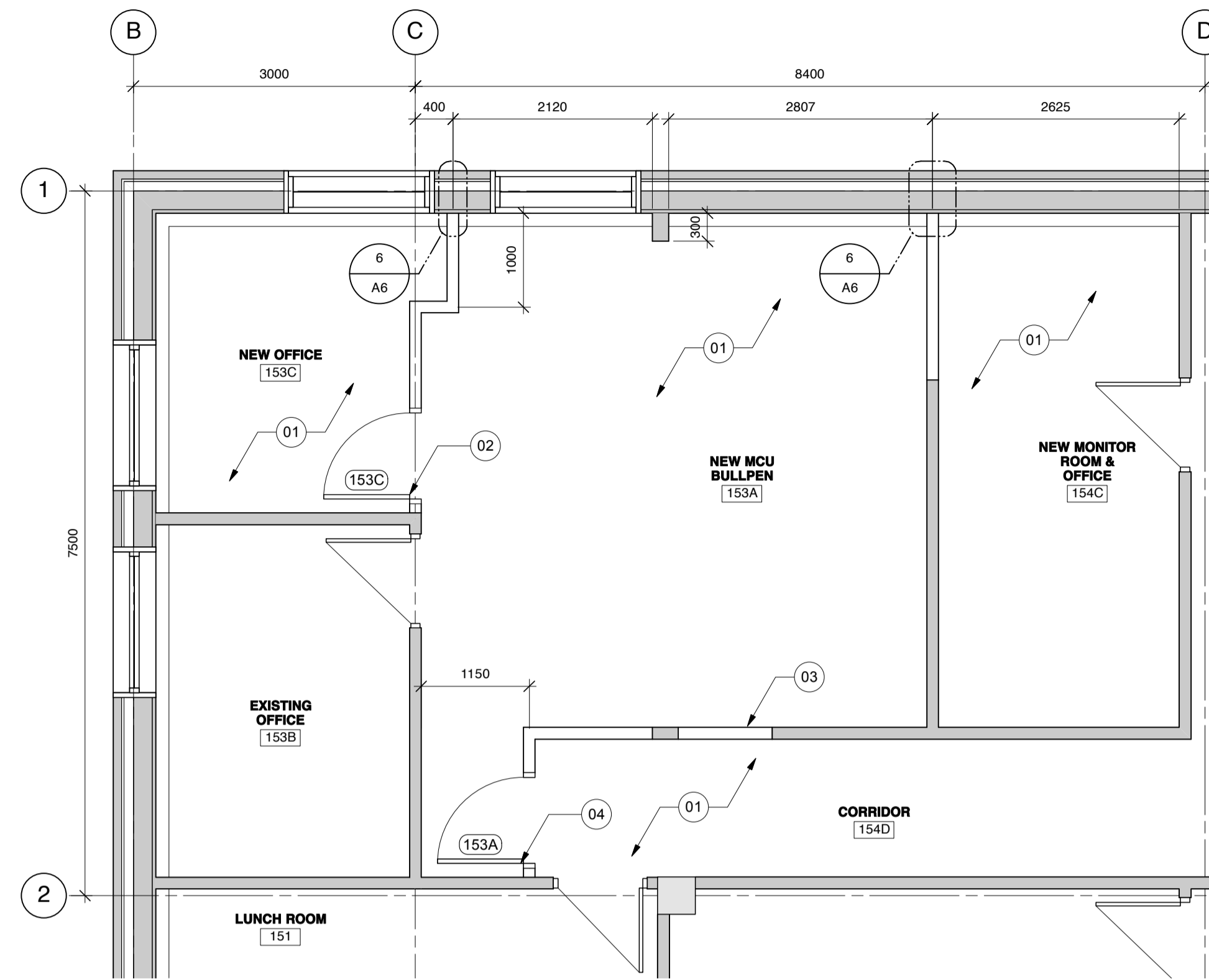
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**MAIN FLOOR
REFLECTED CEILING
KEYPLAN**
SCALE: 1 : 100

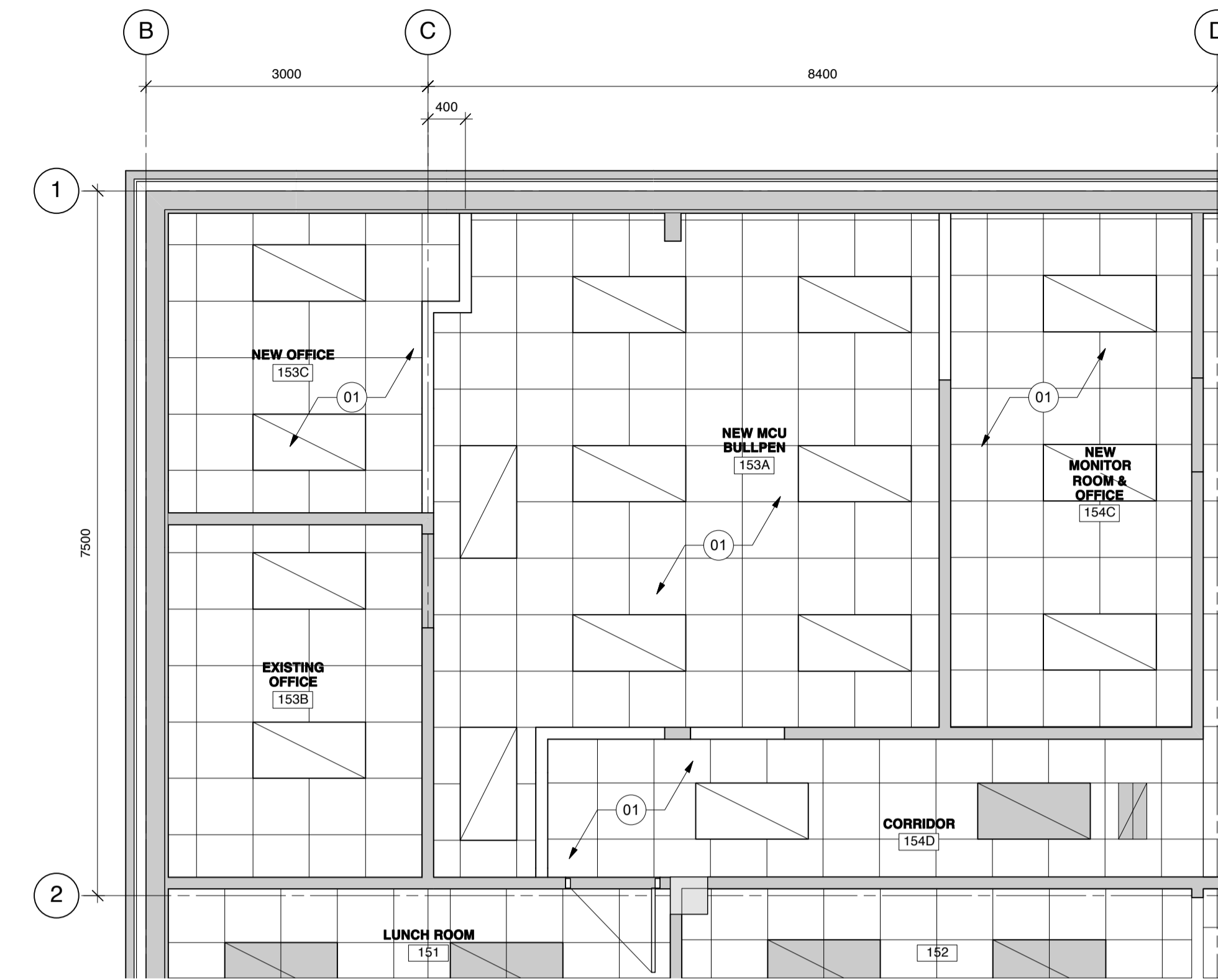
designed	VJK	conçu
date	January 2013	date
drawn	CB	dessiné
date	March 26, 2013	date
approved	APPROVED BY	approuvé
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet



1 LARGE SCALE DEMOLITION PLAN
Scale: 1:50



2 LARGE SCALE NEW CONSTRUCTION PLAN
Scale: 1:50



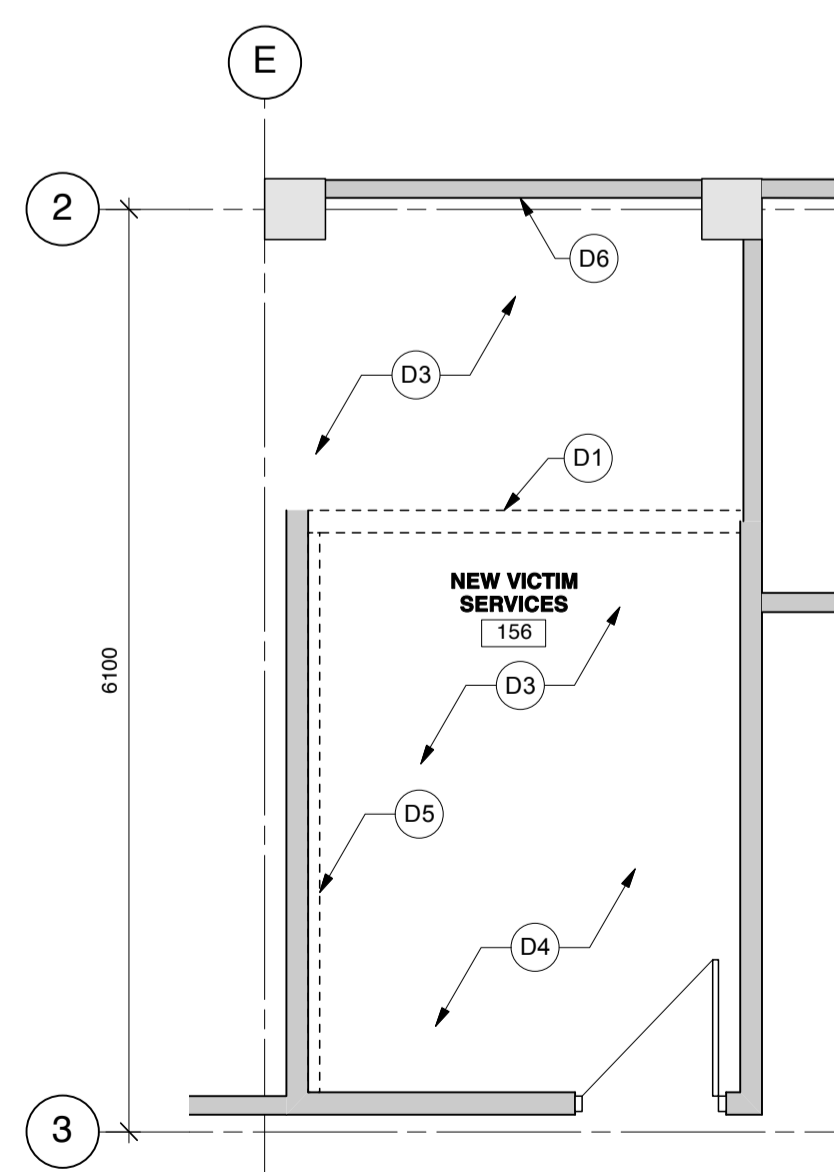
3 LARGE SCALE REFLECTED CEILING PLAN
Scale: 1:50

DEMOLITION PLAN KEYNOTES:

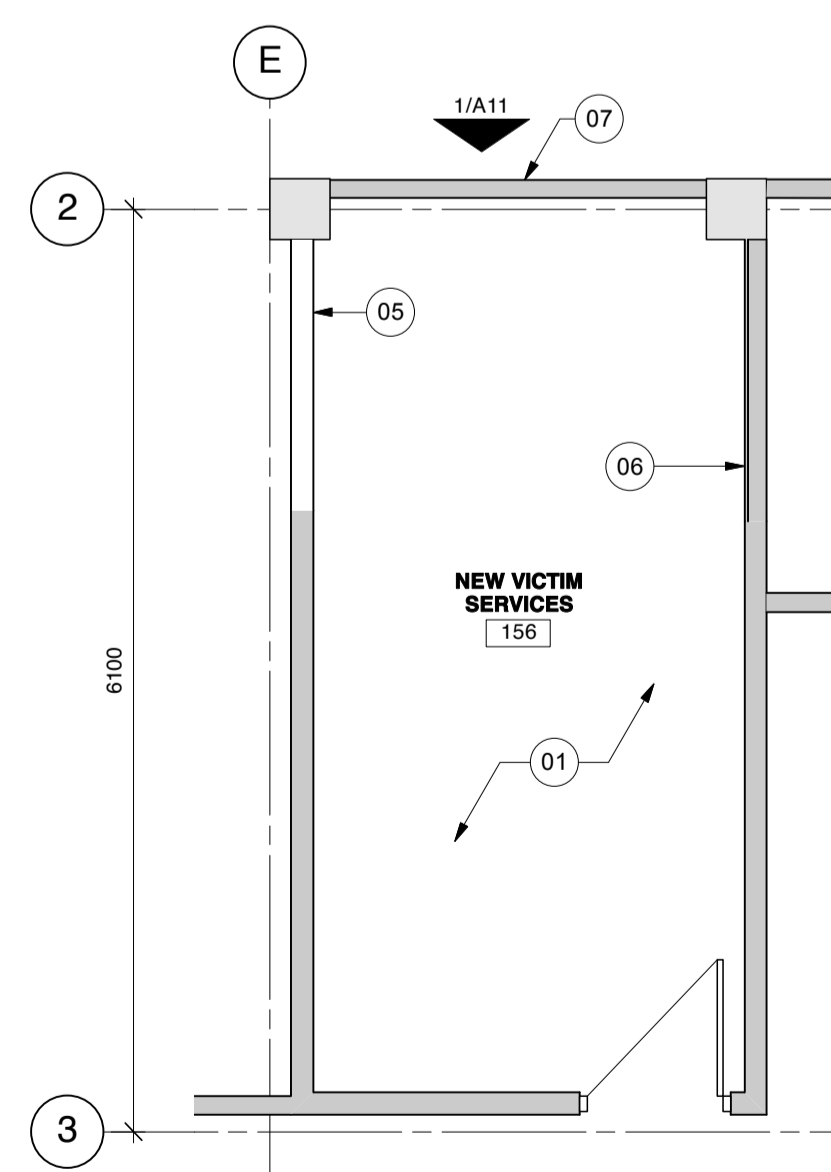
- D1 REMOVE WALLS AS INDICATED. MAKE GOOD ALL SURFACES
- D2 REMOVE EXISTING DOOR, FRAME & HARDWARE. SAVE FOR RE-USE.
- D3 REMOVE EXISTING CARPET, RCB AND LAY IN TILE
- D4 REMOVE EXISTING GYPSUM BOARD CEILING
- D5 REMOVE ACOUSTIC PANELS
- D6 CUT OPENING FOR NEW HIGH WINDOW @

NEW CONSTRUCTION PLAN KEYNOTES:

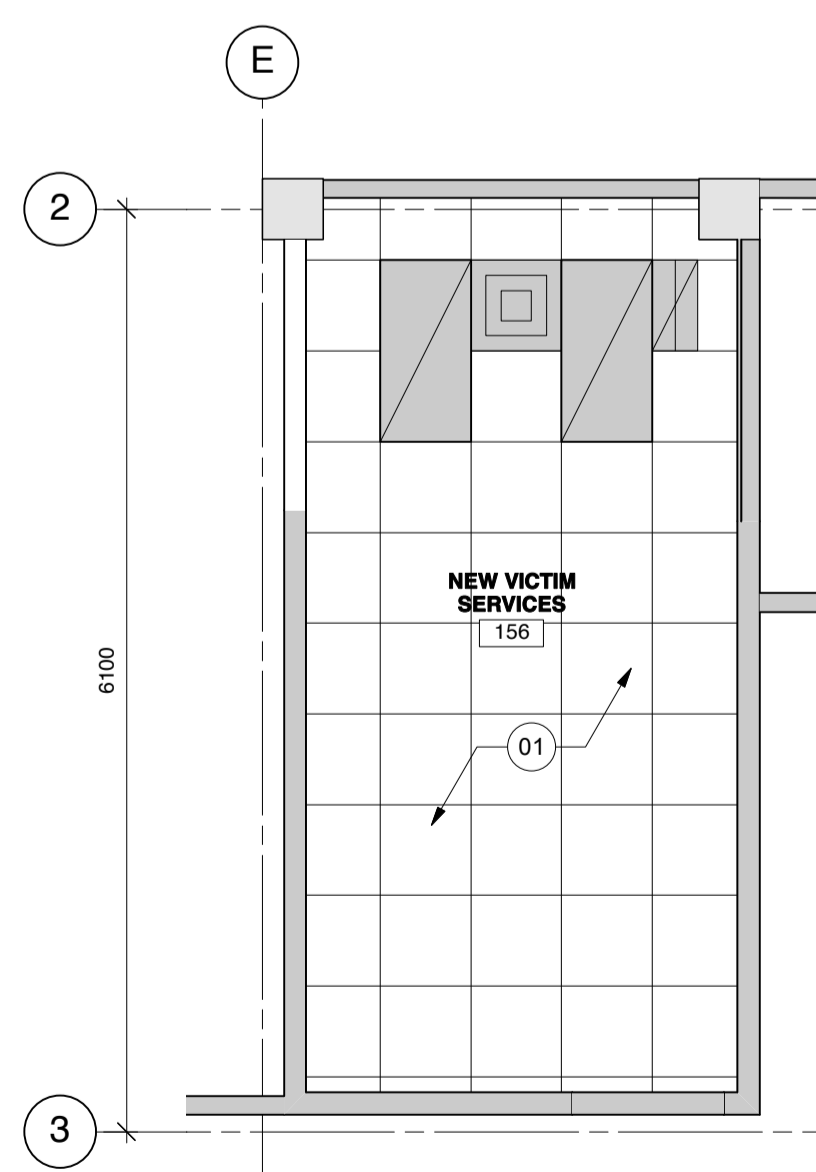
- 01 NEW CARPET, RCB AND LAY-IN TILE CEILING
- 02 NEW DOOR, FRAME & HARDWARE
- 03 INFILL DOOR OPENING
- 04 RE-USED DOOR, FRAME & HARDWARE
- 05 NEW PARTITION WALL TO U/S OF FLOOR ABOVE (TO MATCH EXISTING)
- 06 ADD TWO LAYERS OF 13 GYPSUM BOARD (TO FLUSH WITH EXISTING WALL)
- 07 INSTALL NEW HIGH WINDOW - REFER TO DETAIL 1/A11



4 DEMOLITION PLAN
Scale: 1:50



5 LARGE SCALE NEW CONSTRUCTION PLAN
Scale: 1:50



6 LARGE SCALE REFLECTED CEILING PLAN
Scale: 1:50

number	revision	date	notes
01	ISSUED FOR TENDER		

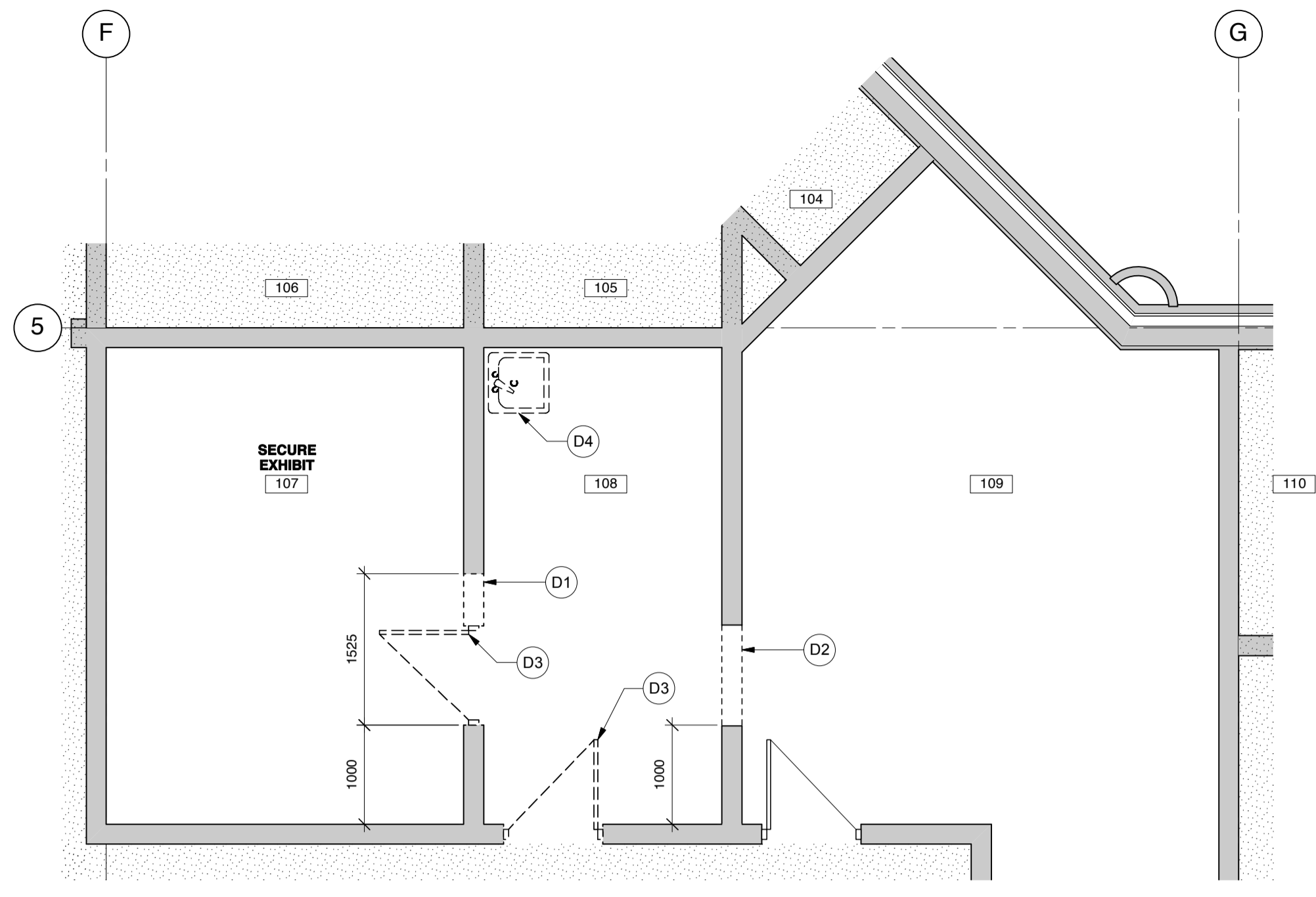
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102	Room Number	
102.1	Door Number	
W2	Window Type - refer to A25 for rough opening size and elevation	
W1	Exterior Wall Type	P1 Interior Partition Type
4.13	Plan Detail	detail number
A C	Interior Elevation Reference	

WALL SECTION	A detail number	BUILDING SECTION
	B source drawing no.	
	C detail on drawing no.	

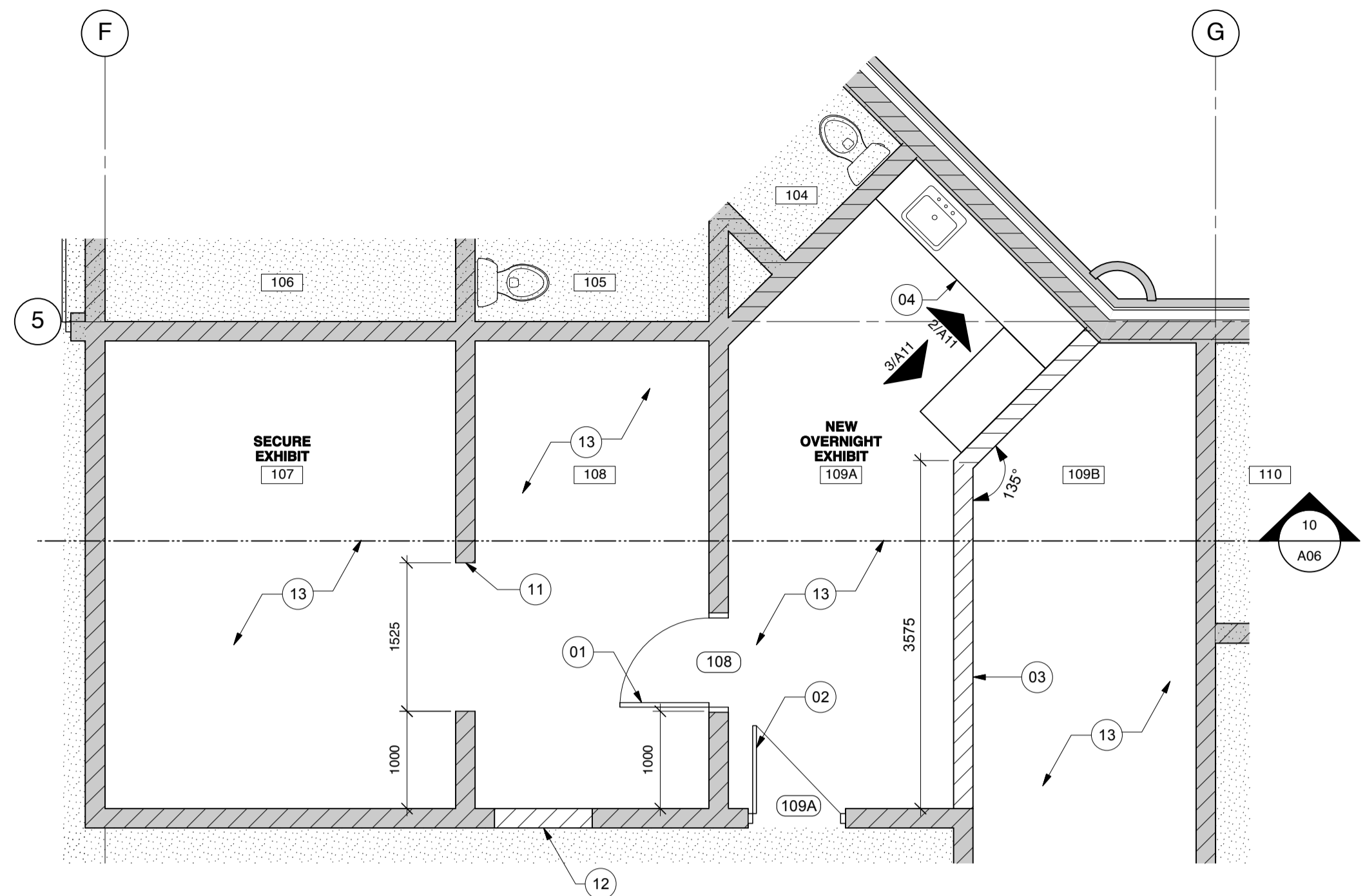
RENOVATIONS TO GOVERNMENT OF CANADA BUILDING, 4806-55 Street, St. Paul, Alberta

LARGE SCALE PLANS
SCALE: 1 : 50

designed	VK	concu
date	January 2013	date
drawn	CB	dessine
date	March 26, 2013	date
approved	APPROVED BY	approve
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet
drawing number	W-A05	numero de dessin



7 DEMOLITION PLAN
Scale: 1:50



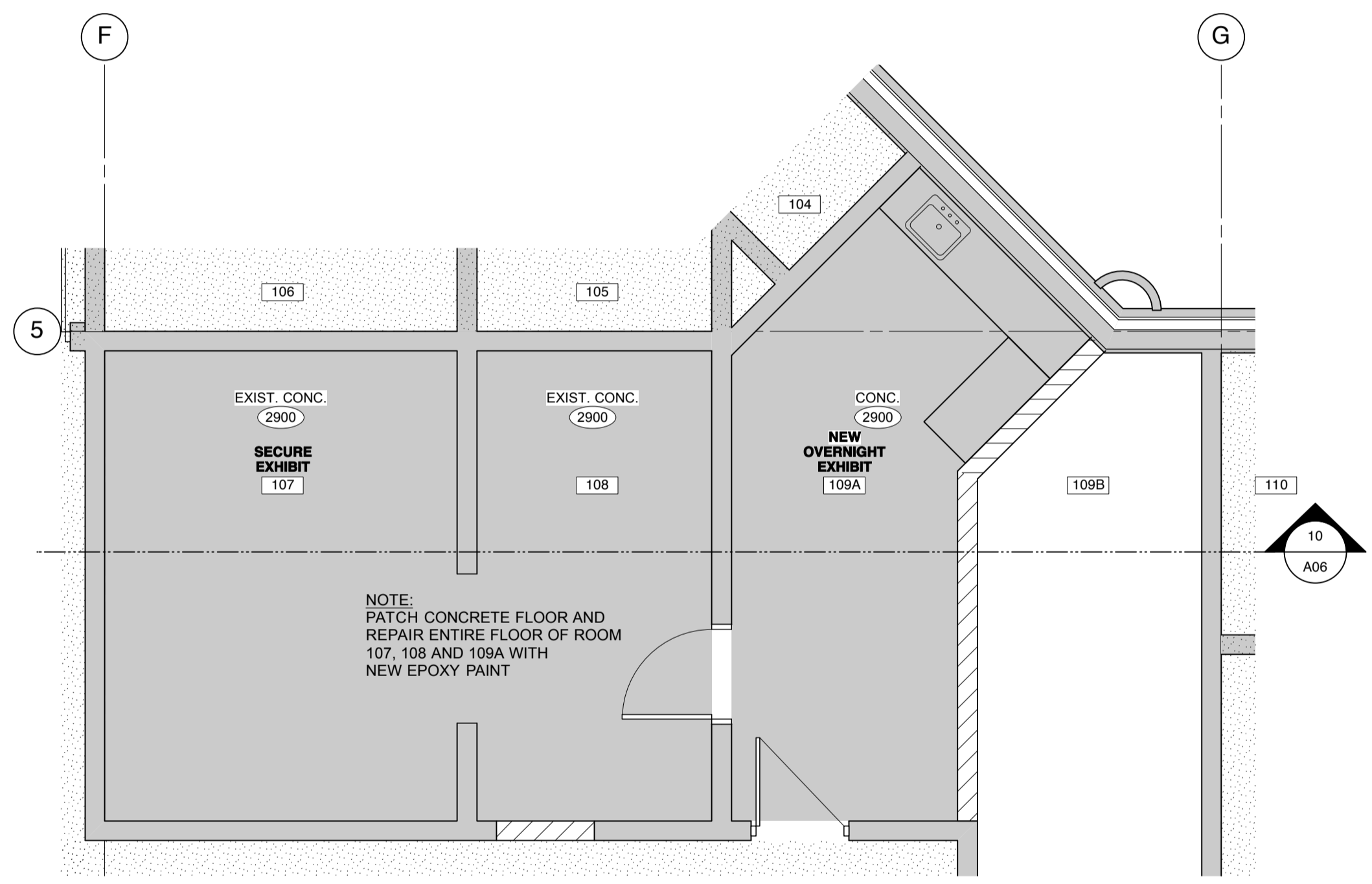
8 NEW CONSTRUCTION PLAN
Scale: 1:50

DEMOLITION KEYNOTES:

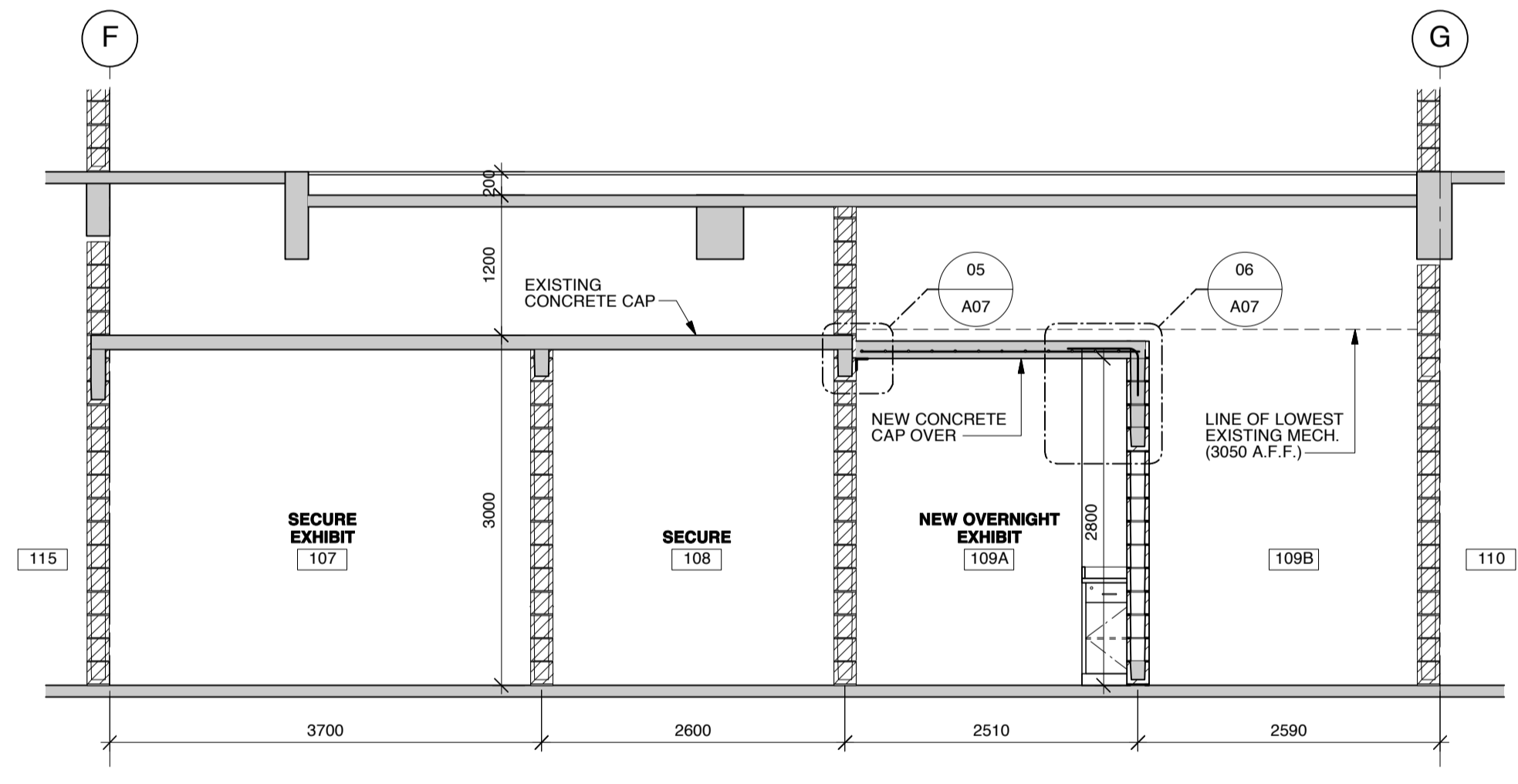
- D1. REMOVE DOOR, FRAME AND CONC. BLOCK TO ENLARGE OPENING. MAKE GOOD ALL SURFACES
- D2. CUT NEW OPENING IN EXISTING CONCRETE BLOCK. FILL IN AND PATCH ENDS OF CUT BLOCK AS REQUIRED.
- D3. REMOVE EXISTING DOOR, FRAME & HARDWARE
- D4. REMOVE EXISTING SINK
- D5. CUT NEW OPENING IN EXISTING BLOCK. FILL IN AND PATCH ENDS OF CUT BLOCK. NEW OPENING TO HAVE BULL-NOSSED CORNERS
- D6. REMOVE EXISTING HOSE REEL FOR RELOCATION
- D7. REMOVE DOOR AND FRAME. RE-USE HARDWARE

NEW CONSTRUCTION KEYNOTES:

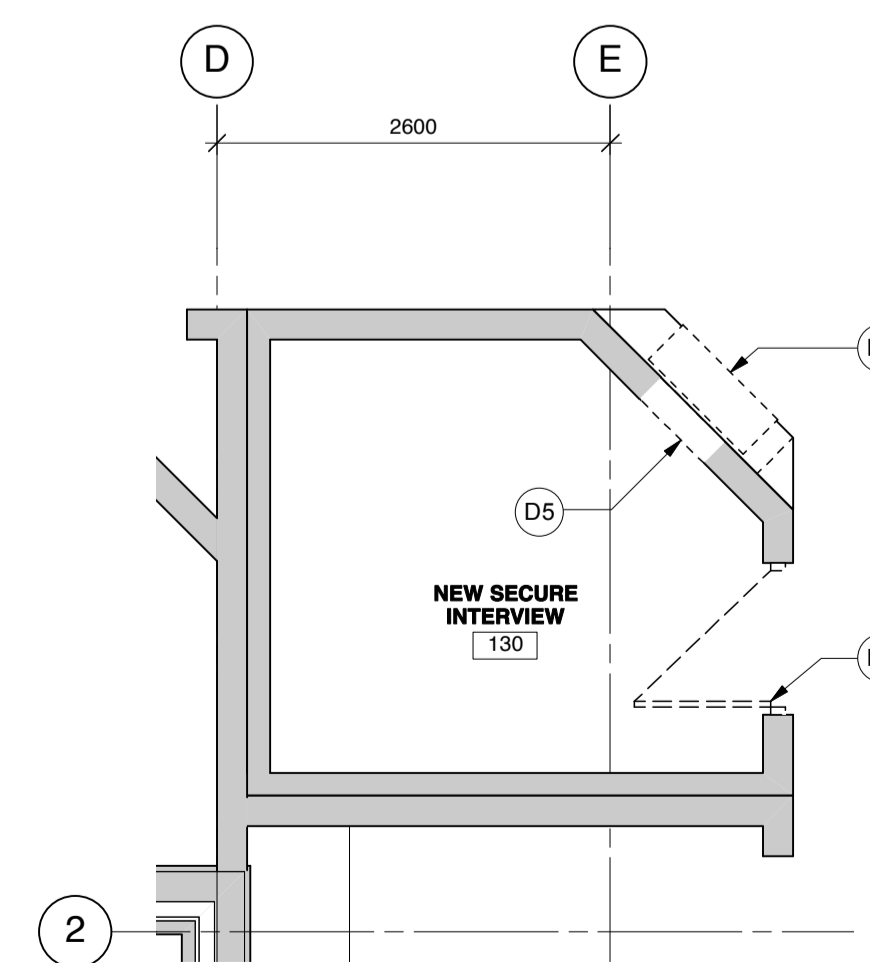
- 01. NEW LINTEL, DOOR, FRAME AND HARDWARE
- 02. PROVIDE NEW HARDWARE
- 03. NEW CONCRETE BLOCK WALL C/W RCBS ON BOTH SIDES
- 04. NEW COUNTER CABINETS & SINK
- 05. MAKE GOOD WALLS AND APPLY HIGH BUILD COATING. COLOUR TO MATCH EXISTING
- 06. RE-INSTALL HOSE REEL AND NEW CABINET
- 07. INSTALL NEW 600x900 ACOUSTIC WINDOW FLUSH TO ROOM 130 SIDE. APPLY SECURITY SEALANT TO FULL PERIMETER OF FRAME BOTH SIDES
- 08. INSTALL NEW 50 RATED DOOR & FRAME C/W STAINLESS STEEL OR ALUMINUM THRESHOLD
- 09. NEW ACOUSTIC PANELS 1200 HIGH, 1200 AFF. (TECTUM)
- 10. COVER OPENING W/ HATCH (CONFIRM SIZE ON SITE)
- 11. EXTEND EXISTING LINTEL
- 12. INFILL OPENING W/ CONCRETE BLOCK. PAINT SURFACES TO MATCH ADJACENT FINISHES C/W RCBS TO MATCH EXISTING, BOTH SIDES.
- 13. RE-PAINT WALLS, FLOOR AND CEILING TO MATCH EXISTING



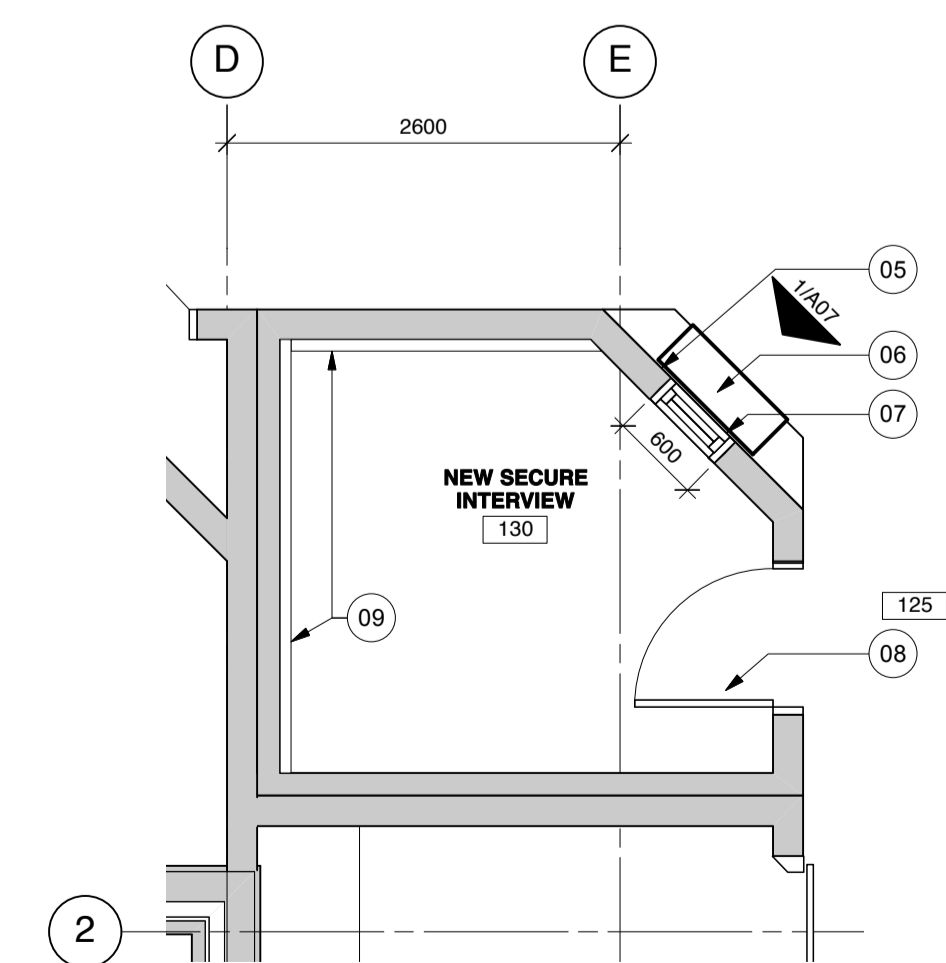
9 REFLECTED CEILING PLAN
Scale: 1:50



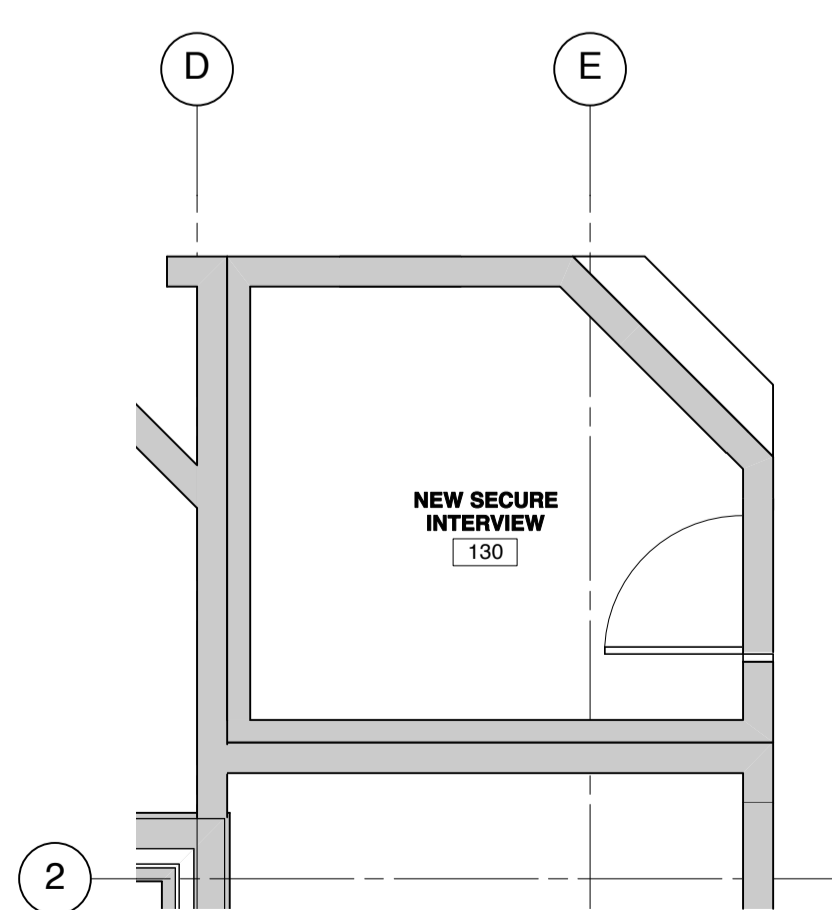
10 PARTIAL BUILDING SECTION
Scale: 1:50



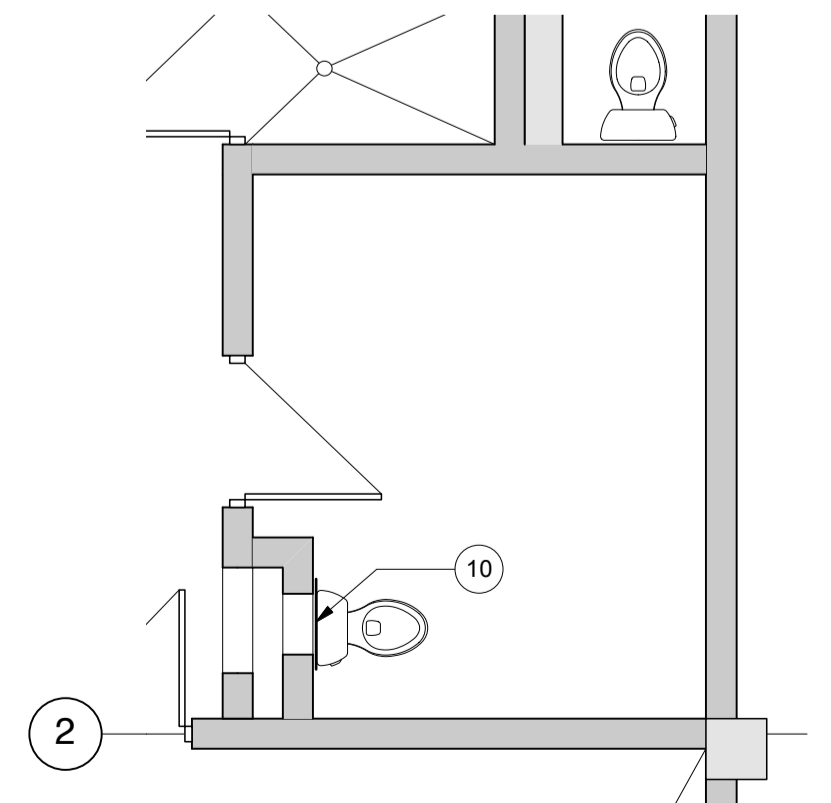
11 MAIN DEMO PLAN
Scale: 1:50



12 MAIN FLOOR PLAN
Scale: 1:50



13 REFLECTED CEILING PLAN
Scale: 1:50



14 MAIN FLOOR PLAN
Scale: 1:50

number	revision	date
01	ISSUED FOR TENDER	

notes	note
12	Drawing Note
102	Room Number
102.1	Door Number
W2	Window Type - refer to A25 for rough opening size and elevation
W1	Exterior Wall Type
P1	Interior Partition Type
4.13	Plan Detail
	detail number
A C	Interior Elevation Reference
WALL SECTION	BUILDING SECTION
A	A detail number
B	B source drawing no.
C	C detail on drawing no.

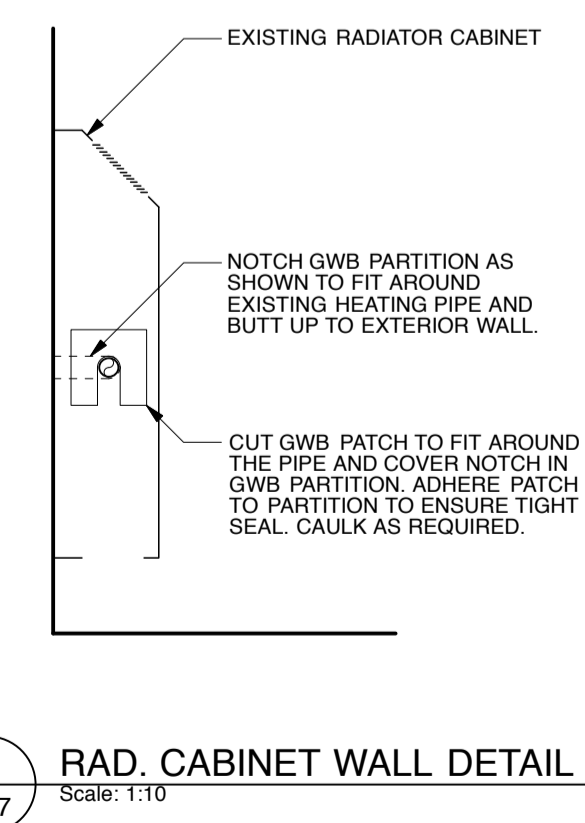
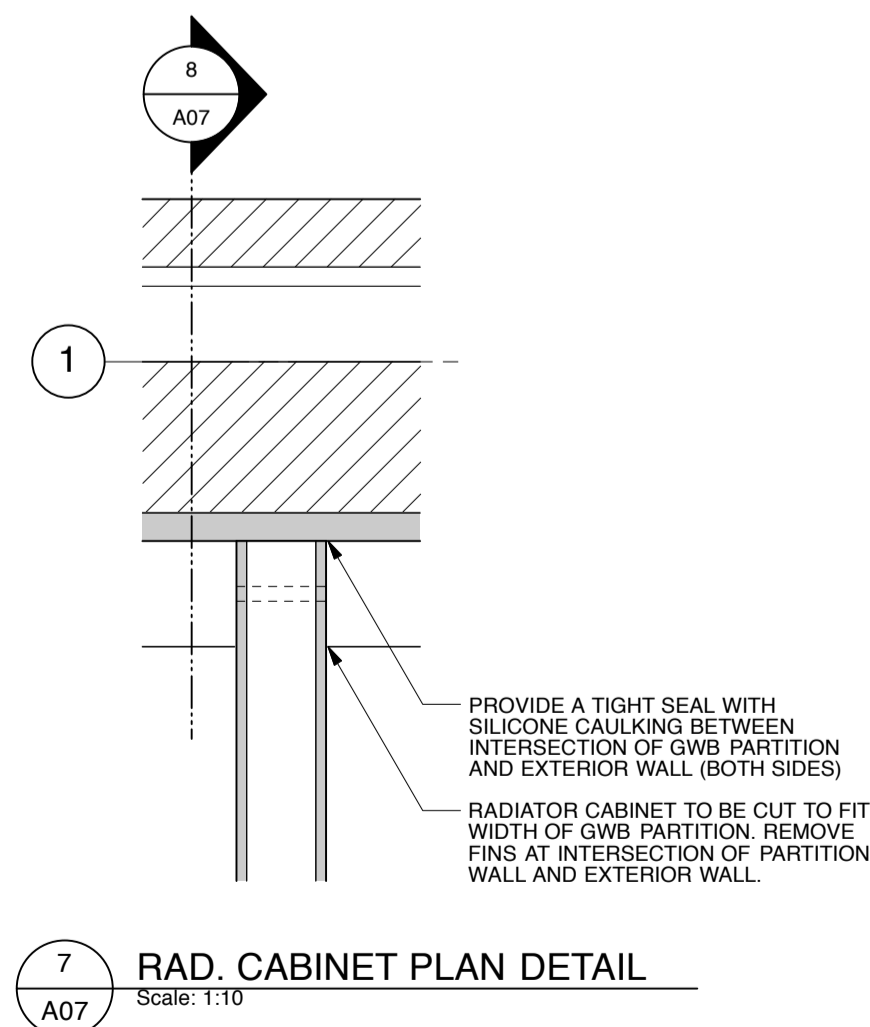
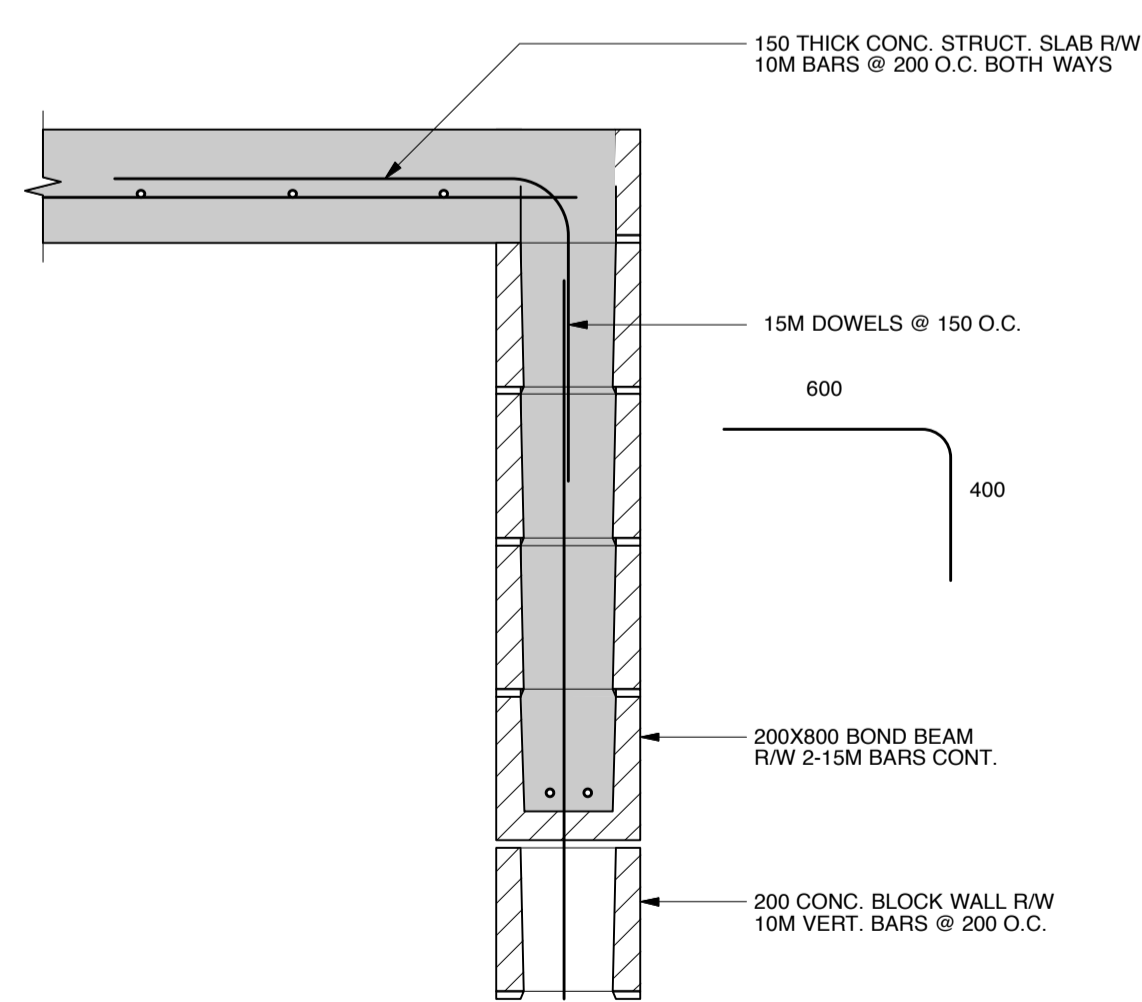
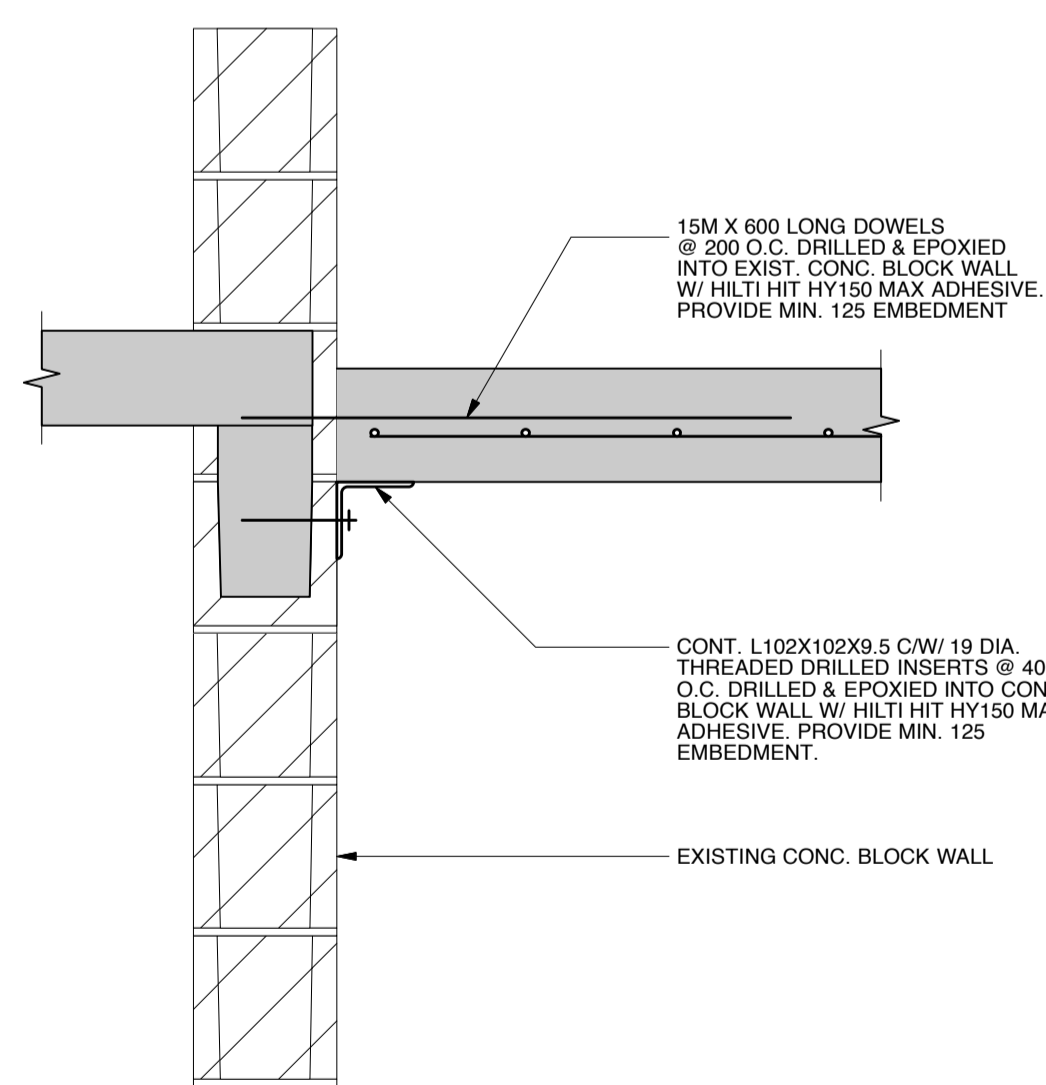
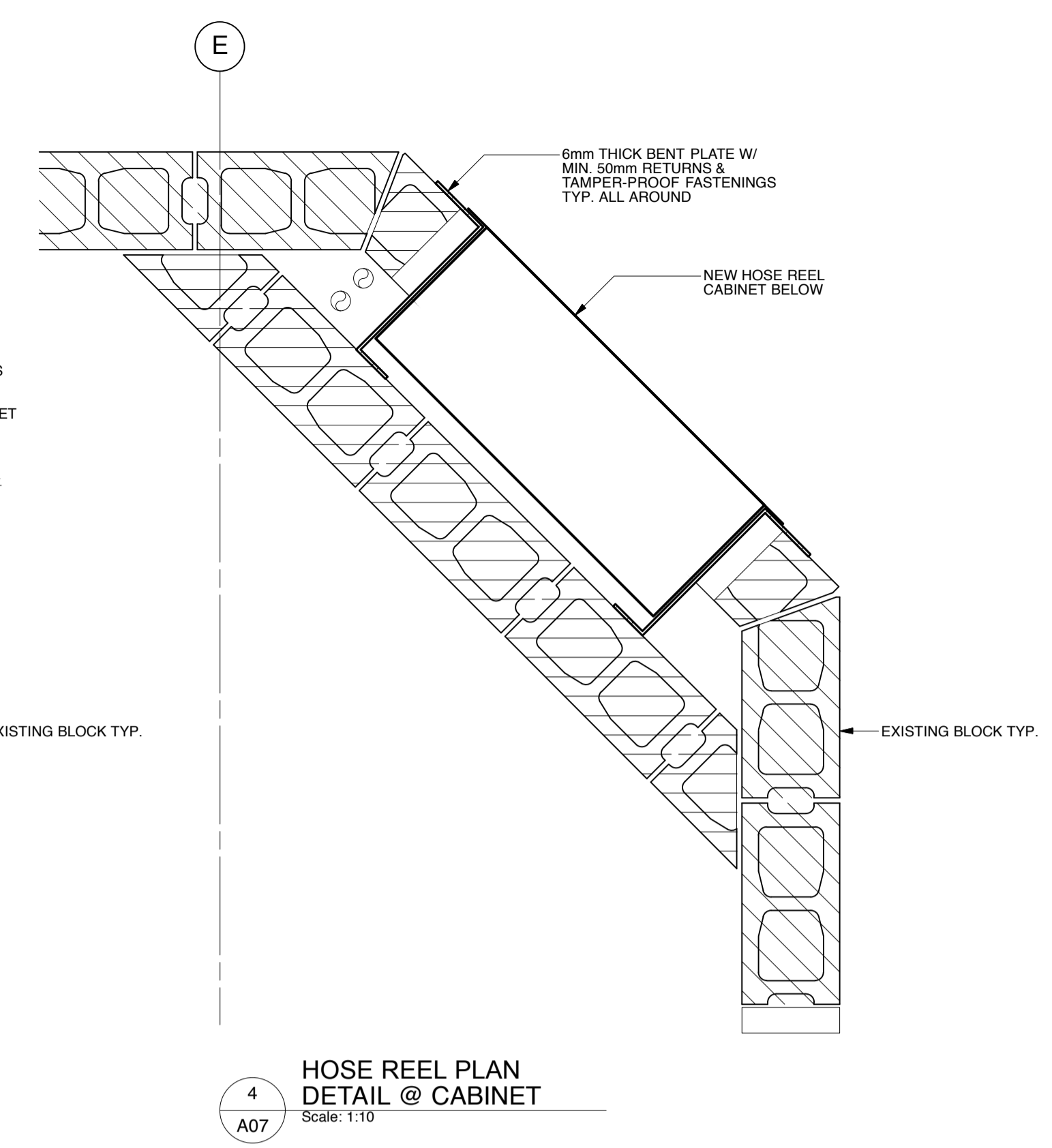
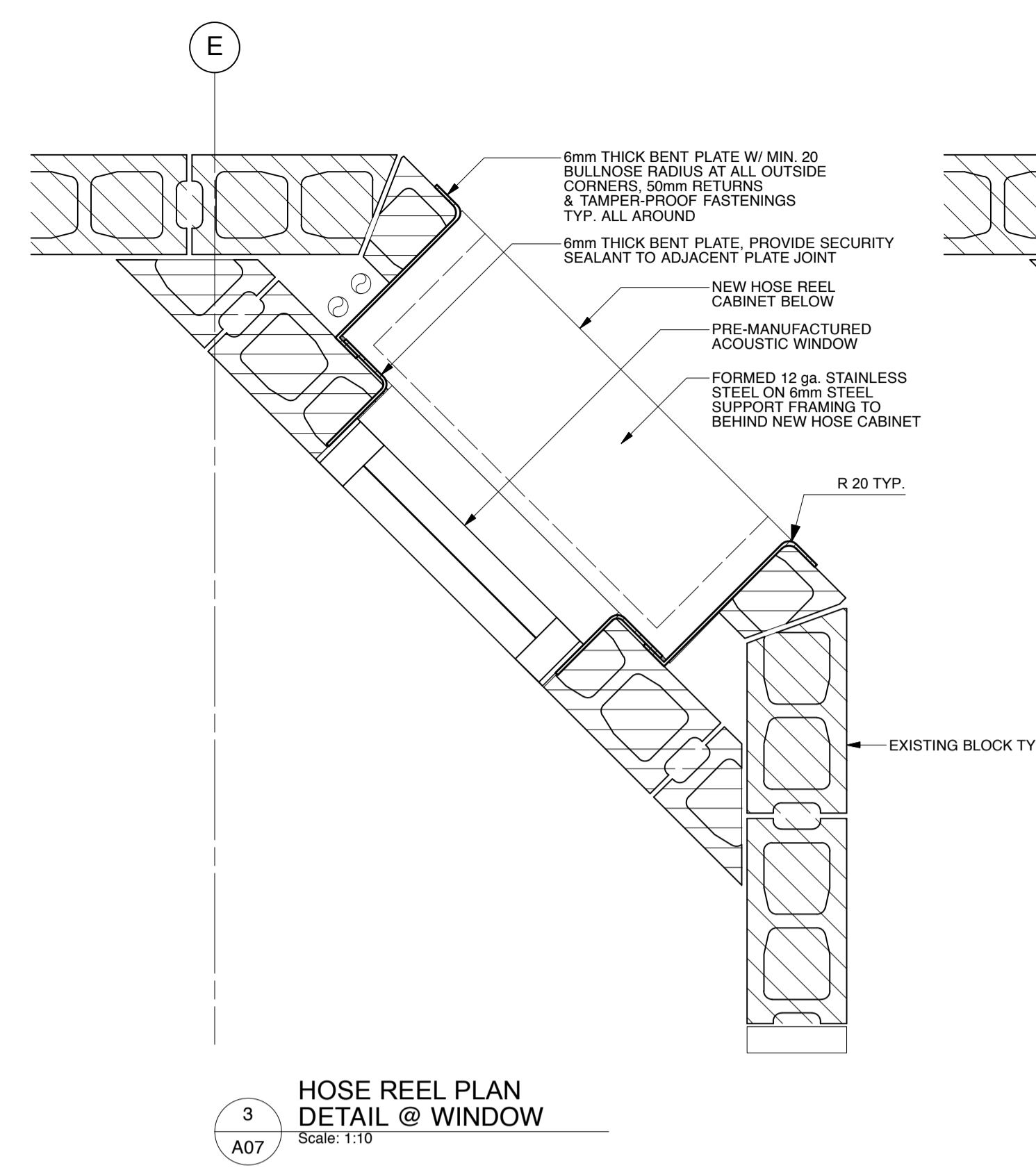
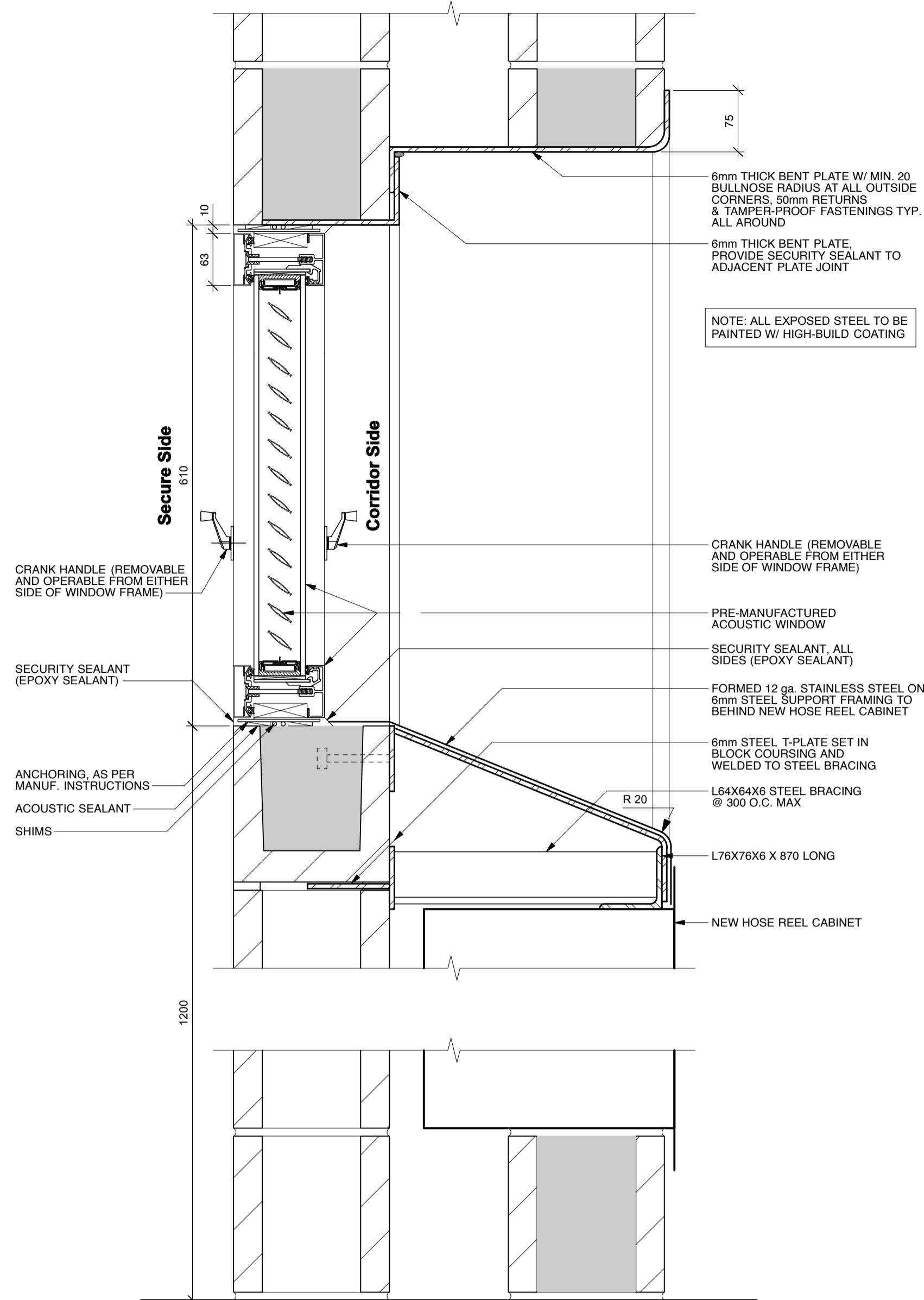
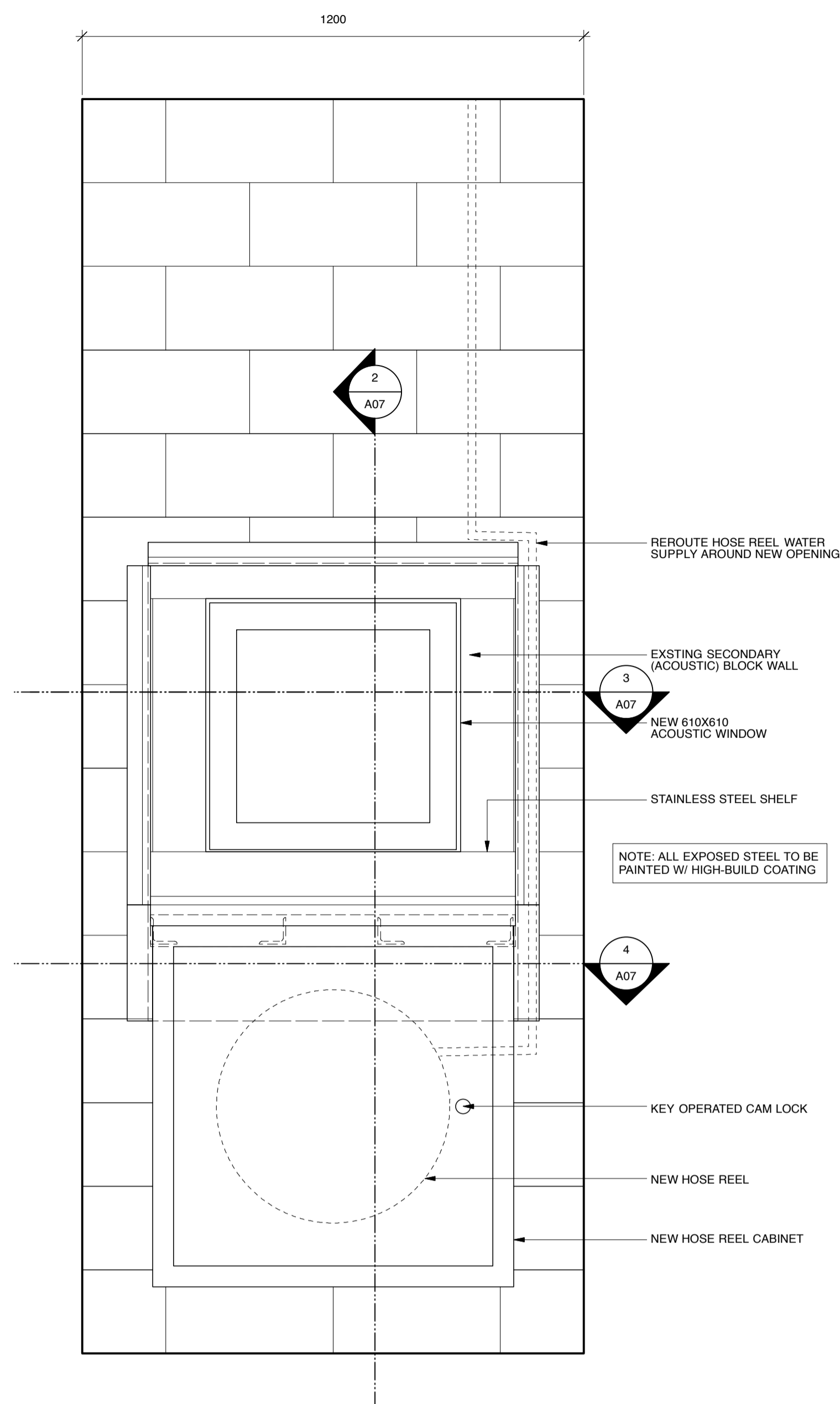
project

**RENOVATIONS TO GOVERNMENT OF CANADA BUILDING,
4806-55 Street,
St. Paul, Alberta**

LARGE SCALE PLANS & SECTION
SCALE: 1 : 50

designed	VK	concu
date	January 2013	date
drawn	CB	dessine
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approved	APPROVED BY	approuve
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Tender	TENDER DATE	appel d'offres

RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet



01	ISSUED FOR TENDER	
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number	revision	date

notes

- 12 Drawing Note
- 102 Room Number
- 102.1 Door Number
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- W1 Exterior Wall Type P1 Interior Partition Type
- 4.13 Plan Detail
- detail number
- A C Interior Elevation Reference

WALL SECTION

A detail number
B source drawing no.
C detail on drawing no.

BUILDING SECTION

A
B
C

project

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING, 4806-55 Street, St. Paul, Alberta

drawing

MISCELLANEOUS SECTIONS & DETAILS
SCALE: 1 : 100

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drawing number		numero de dessin



**SECOND FLOOR
DEMOLITION PLAN**
Scale: 1:100

- LEGEND**
- EXISTING WALL TO BE REMOVED
 - EXISTING WALL TO REMAIN
 - EXISTING DOOR TO REMAIN
 - EXISTING DOOR TO BE REMOVED
 - ▨ AREA NOT IN CONTRACT
 - ▩ EXISTING FALSE FLOOR TO BE REMOVED

GENERAL DEMOLITION NOTES

- MAKE GOOD ALL SURFACES AFFECTED BY DEMOLITION TO MATCH EXISTING ADJACENT.
- DIMENSIONS SHOWN ON DEMOLITION PLAN ARE FOR INFORMATION PURPOSES ONLY. ACTUAL SIZES TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORK.

- ABBREVIATIONS:**
(APPLIES TO ALL DRAWINGS)
- AP ACOUSTIC PANEL
 - CW COMPLETE WITH
 - EX EXISTING
 - FP FILLER PANEL
 - GB GYPSUM BOARD
 - GL GLAZING
 - MIR MIRROR
 - N.I.C. NOT IN CONTRACT
 - O.C. ON CENTRE
 - SIM. SIMILAR
 - T.O. TOP OF
 - TYP TYPICAL
 - U.N.O. UNLESS NOTED OTHERWISE
 - US UNDERSIDE

- KEYNOTES:**
- 01. REMOVE WALLS AS INDICATED. MAKE GOOD ALL SURFACES
 - 02. REMOVE EXISTING DOOR, FRAME & HARDWARE. SAVE FOR RE-USE.
 - 03. CUT WALL TO CREATE NEW DOOR OPENING
 - 04. REMOVE EXISTING DOOR, FRAME & HARDWARE
 - 05. REMOVE EXISTING SINK AND TOILET

number	revision	date
01	ISSUED FOR TENDER	

notes

- 12 Drawing Note
- 102 Room Number
- 102.1 Door Number
- W.2 Window Type - refer to A25 for rough opening size and elevation
- W.1 Exterior Wall Type
- P.1 Interior Partition Type
- 4.13 Plan Detail
- 4.13 detail number
- A-C Interior Elevation Reference

WALL SECTION

- A detail number
- B source drawing no.
- C detail on drawing no.

BUILDING SECTION

- A detail number
- B source drawing no.
- C detail on drawing no.

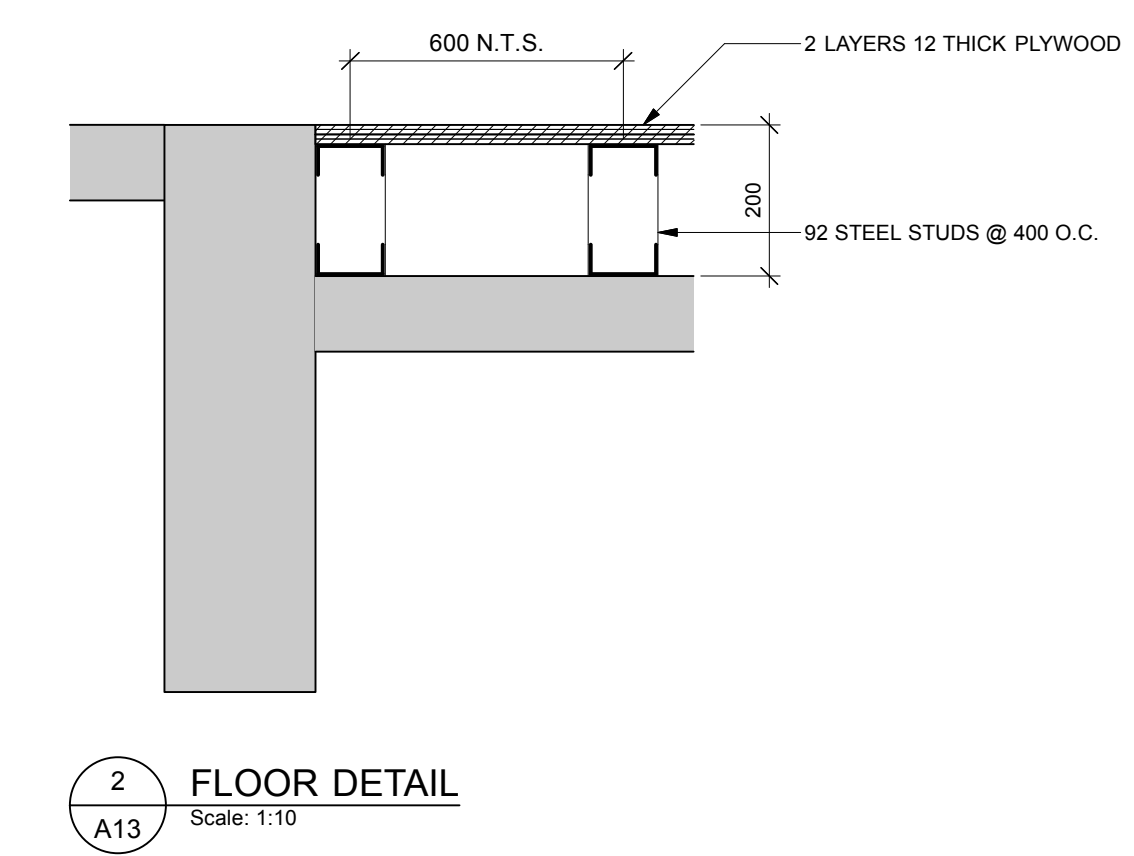
project

**RENOVATIONS TO GOVERNMENT
OF CANADA BUILDING,
4806-55 Street,
St. Paul, Alberta**

drawing

**SECOND FLOOR
DEMOLITION KEYPLAN**
SCALE: 1 : 100

designed	VK	corricu
date	January 2013	date
drawn	CB	dessine
date	March 26, 2013	date
approved	APPROVED BY	approve
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet
drawing number		numero de dessin



1 SECOND FLOOR PLAN
Scale: 1:100

NOTE:
CONFIRM LOCATIONS OF
ALL EXISTING WALLS

- LEGEND**
- NEW PARTITION WALL
 - EXISTING WALL TO REMAIN
 - EXISTING DOOR TO REMAIN
 - NEW DOOR
 - AREA NOT IN CONTRACT
 - EXISTING FALSE FLOOR TO BE REMOVED

- ABBREVIATIONS:**
(APPLIES TO ALL DRAWINGS)
- AP ACOUSTIC PANEL
 - C/W COMPLETE WITH
 - EX EXISTING
 - FP FILLER PANEL
 - GB GYPSUM BOARD
 - GL GLAZING
 - MIR MIRROR
 - N.I.C. NOT IN CONTRACT
 - O.C. ON CENTRE
 - SM SIMILAR
 - T.O. TOP OF
 - TYP TYPICAL
 - U.N.O. UNLESS NOTED OTHERWISE
 - US UNDERSIDE

- KEYNOTES:**
- 01. NEW FLOORING AND RCB
 - 02. RE-USED DOOR, FRAME & HARDWARE

2 FLOOR DETAIL
Scale: 1:10

number	revision	date
01	ISSUED FOR TENDER	

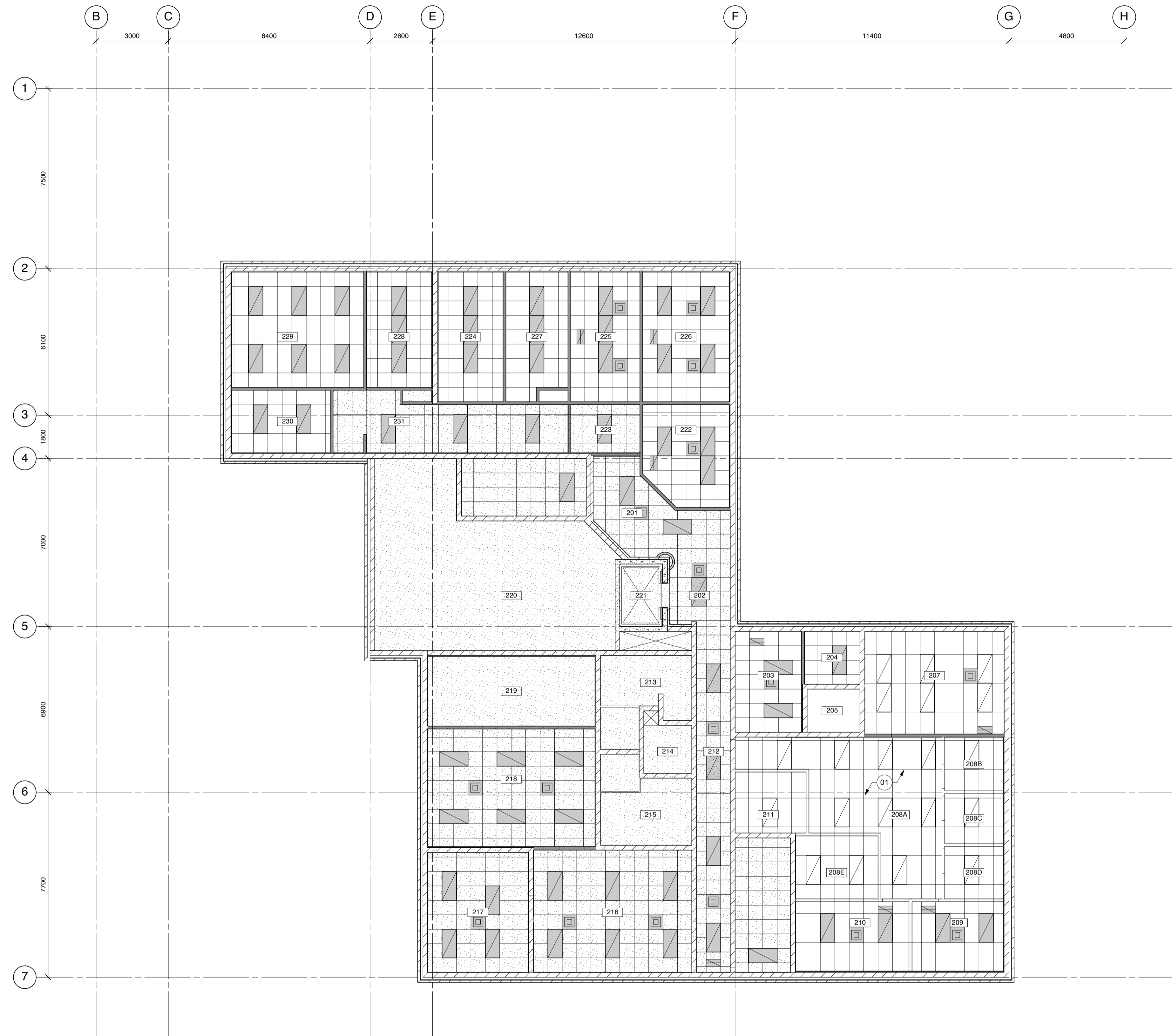
- notes**
- Drawing Note
 - Room Number
 - Door Number
 - Window Type - refer to A25 for rough opening size and elevation
 - Exterior Wall Type
 - Interior Partition Type
 - Plan Detail
 - Interior Elevation Reference
- WALL SECTION**
- A detail number
 - B source drawing no.
 - C detail on drawing no.
- BUILDING SECTION**
- A detail number
 - B source drawing no.
 - C detail on drawing no.

project

**RENOVATIONS TO GOVERNMENT OF CANADA BUILDING,
4806-55 Street,
St. Paul, Alberta**

SECOND FLOOR NEW CONSTRUCTION KEYPLAN
SCALE: 1 : 100

designed	VK	corcu
date	January 2013	date
drawn	CB	dessine
date	March 26, 2013	date
approved	APPROVED BY	approve
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet
drawing number		numero de dessin



KEYNOTES:
01. NEW LAY-IN TILE THROUGHOUT ROOMS 207 - 211

**SECOND FLOOR
REFLECTED CEILING PLAN**
Scale: 1:100

- CEILING LEGEND:**
- EXISTING RECESSED FLUORESCENT
 - EXISTING RETURN AIR GRILLE
 - EXISTING SUPPLY AIR DIFFUSER
 - CEILING AREA NOT IN CONTRACT
 - NEW RECESSED FLUORESCENT

number number	revision	date
01	ISSUED FOR TENDER	

- notes
- Drawing Note
 - Room Number
 - Door Number
 - Window Type - refer to A25 for rough opening size and elevation
 - Exterior Wall Type
 - Interior Partition Type
 - Plan Detail
 - Interior Elevation Reference
- WALL SECTION
- A detail number
 - B source drawing no.
 - C detail on drawing no.
- BUILDING SECTION
- A detail number
 - B source drawing no.
 - C detail on drawing no.

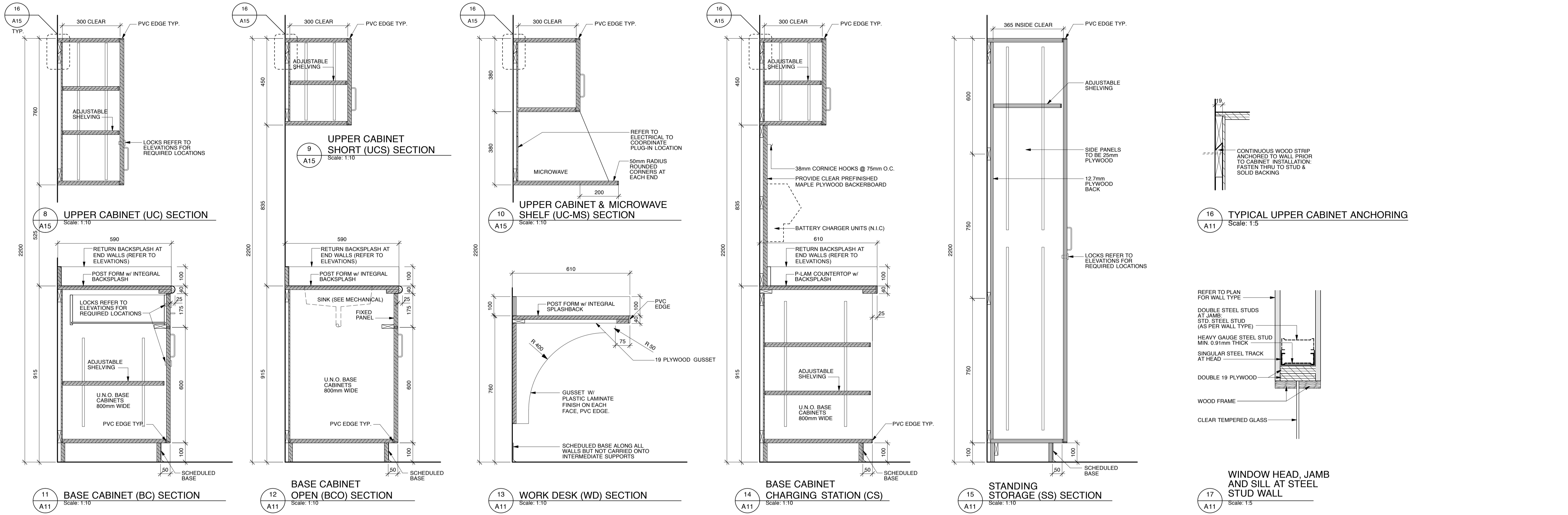
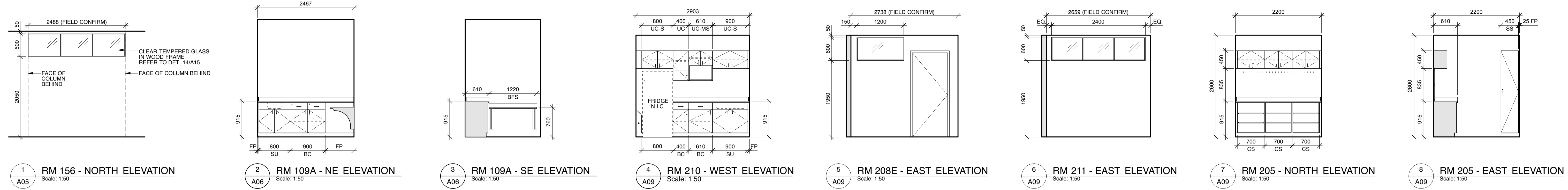
project

**RENOVATIONS TO GOVERNMENT
OF CANADA BUILDING,
4806-55 Street,
St. Paul, Alberta**

**SECOND FLOOR
REFLECTED CEILING
KEYPLAN**
SCALE: 1 : 100

designed	VJK	conçu
date	January 2013	date
drawn	CB	dessiné
date	March 26, 2013	date
approved	APPROVED BY	approuvé
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet

drawing number **W-A10** numero de dessin



01	ISSUED FOR TENDER	
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number	revision	date

notes

- 12 Drawing Note
- 102 Room Number
- 102.1 Door Number
- W.2 Window Type - refer to A25 for rough opening size and elevation
- W.1 Exterior Wall Type
- P.1 Interior Partition Type
- 4.13 Plan Detail
- detail number
- A, C Interior Elevation Reference

WALL SECTION	A detail number	BUILDING SECTION
A	B	A
B	C	C

REFER TO PLAN FOR WALL TYPE
 DOUBLE STEEL STUDS AT JAMB
 STD STEEL STUD (AS PER WALL TYPE)
 HEAVY GAUGE STEEL STUD MIN. 0.91mm THICK
 SINGULAR STEEL TRACK AT HEAD
 DOUBLE 19 PLYWOOD
 WOOD FRAME
 CLEAR TEMPERED GLASS

project

RENOVATIONS TO GOVERNMENT OF CANADA BUILDING, 4806-55 Street, St. Paul, Alberta

drawing

**MILLWORK
ELEVATIONS,
SECTIONS & DETAILS**
SCALE: 1 : 100

designed	VK	concu
date	January 2013	date
drawn	CB	dessine
date	March 26, 2013	date
approved	APPROVED BY	approuve
date	APPROVED DATE	date
Tender	TENDER DATE	appel d'offres
RCMP Project Manager	BRUNO WEISS	gestionnaire de projet GRC
project number		numero du projet
drawing number		numero de dessin



RENOVATIONS TO GOVERNMENT OF CANADA BUILDING

4806 - 55 Street
St. Paul, Alberta

MECHANICAL EQUIPMENT SCHEDULES

GRILLE, DIFFUSER AND LOUVER SCHEDULE											
TAG	MANUFACTURER	MODEL	SIZE	COLOR	NECK SIZE	REMARKS					
S1	E.H PRICE	SCD	600x600	WHITE	REFER TO TAGS	T-BAR CEILING MOUNTED SQUARE CONE DIFFUSER, STEEL CONSTRUCTION, WHITE POWDER COAT FINISH					
S2	E.H PRICE	RCD	450W	WHITE	REFER TO TAGS	T-BAR CEILING MOUNTED ROUND CONE DIFFUSER, SEE CUT SHEET FOR MOUNTING TYPE					
R1	E.H PRICE	80	REFER TO TAG	WHITE	N/A	RETURN GRILLE C/W BORDER & MOUNTING FRAME					
E1	E.H PRICE	80	REFER TO TAG	WHITE	N/A	EXHAUST GRILLE C/W BORDER & MOUNTING FRAME					

FAN SCHEDULE										
TAG	MANUFACTURER	MODEL	AIR FLOW (L/S)	FAN COP (PA)	FAN SPEED (RPM)	POWER (KW)	ELEC.	REMARKS		
EF-1	BRYAN	L100L	40	0.4	780	0.087	120/1/60	EVIDENCE ROOM EXHAUST C/W BACKDRAFT DAMPER, RUNS CONTINUOUS.		

TERMINAL BOX SCHEDULE														
ZONE	SERVICE	MANUFACTURER		SIZE (MM)	AIR (L/S)			HEATING COIL				REMARKS		
		MAKE	MODEL		MAX	MIN	CAP (KW)	ROWS	WATER (L/S)	ENT (C)	LEWT (C)		EXIT (C)	LAT (C)
TB-01	OFFICE	PRICE	SPV	100	76	24	1.020	1	0.0145	82.2	65.6	12.7	23.9	C/W SOUND ATTENUATOR.
TB-02	MONITOR ROOM BULL PEN	PRICE	SPV	175	255	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	C/W SOUND ATTENUATOR.

RADIANT PANEL / RADIANT FIN SCHEDULE									
TAG	MANUFACTURER	MODEL	HEIGHT (MM)	# OF TUBES	OUTPUT (W/M)	MEAN WATER TEMP (C)	COLOR	MOUNTING	REMARKS
A-1	ENG AIR	WF-1A	650	1	1995	73.9	WHITE	WALL	RADIATION CABINET

PLUMBING FIXTURE SCHEDULE									
TAG	MANUFACTURER	MODEL	TRIM	ACCESSORIES	REMARKS				
HR-1	NATIONAL FIRE EQUIP. LTD.	GR-1310-MED	HR5-038	75' RUBBER NON-COLLAPSIBLE HOSE AND ALL FITTINGS NECESSARY FOR INSTALLATION	WHITE MEDIUM SECURITY REEL CABINET WITH HEAVY DUTY PANO HINGE, HOSE REEL AND HOSE.				
SK-1	KNIGRED	QSL0209/10/1	KOHLER K-10415-CP	PIRMP, SHUT OFF VALVES, AND ALL NECESSARY TRIM	STAINLESS STEEL SINGLE COMPARTMENT SINK				
SK-2	KNIGRED	QDL2031/8/3	KOHLER K-10413-CP	PIRMP, SHUT OFF VALVES, DSH AND ALL NECESSARY TRIM	STAINLESS STEEL DOUBLE BOWL, COMPARTMENT SINK				

MECHANICAL DRAWING LIST

Sheet Number	Sheet Title	Scale
M001	MECHANICAL TITLE PAGE	--
M002	MECHANICAL LEGEND	--
M003	MECHANICAL DETAILS	--
M101	MAIN FLOOR PIPING PLANS - DEMOLITION	1:100
M102	2ND FLOOR PIPING PLANS - DEMOLITION	1:100
M103	MAIN FLOOR HVAC PLANS - DEMOLITION	1:100
M104	2ND FLOOR HVAC PLANS - DEMOLITION	1:100
M201	MAIN FLOOR PIPING PLANS - NEW CONSTRUCTION	1:100
M202	2ND FLOOR PIPING PLANS - NEW CONSTRUCTION	1:100
M203	MAIN FLOOR HVAC PLANS - NEW CONSTRUCTION	1:100
M204	2ND FLOOR HVAC PLANS - NEW CONSTRUCTION	1:100

01 ISSUED FOR TENDER 2013/05/08

number revision date

notes note

project project

RENOVATION TO GOVERNMENT OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing dessin

MECHANICAL TITLE PAGE

designed DF/CW concu

date MARCH 2013 date

drawn LH/CW dessine

date APRIL 2013 date

approved DF approuve

date MAY 08 2013 date

Tender TENDER DATE appel d'offres

contract number

7181418

drawing number numero de dessin

M001

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY DUCT UP OR FROM ABOVE		ACOUSTICALLY LINED TRANSFER AIR DUCT
	SUPPLY DUCT DOWN OR FROM BELOW		SILENCER
	RETURN OR EXHAUST DUCT UP OR FROM ABOVE		CROSSTALK SILENCER
	RETURN OR EXHAUST DUCT DOWN OR FROM BELOW		DUCT WITH MINIMUM CLEARANCE FIRE RATED ENCLOSURE
	ROUND DUCT UP OR FROM ABOVE		DUCT WITH SLEEVE, INSULATION AND DAMPER
	ROUND DUCT DOWN OR FROM BELOW		CAPPED CONNECTION
	ACOUSTIC LINED DUCT		RISE IN DUCT
	FLEXIBLE CONNECTION		DROP IN DUCT
	SQUARE ELBOW DUCT WITH TURNING VANE		SOUND BAFFLE
	RADIUS ELBOW WITH TURNING VANES		PROPELLER FAN
	AXIAL FAN/INLINE FAN		CENTRIFUGAL FAN
<p>DIFFUSER GRILLE OR REGISTER TYPE $\frac{150\phi}{300}$ NECK OR FACE SIZE (MM) AIR FLOW (L/s)</p>			
	ROUND SUPPLY DIFFUSER		SUPPLY AIR DIFFUSER C/W FLEXIBLE DUCT
	DUCTED RETURN OR EXHAUST REGISTER OR GRILLE		LIGHT TROFFER DIFFUSER TOP INLET C/W FLEXIBLE DUCT
	SQUARE OR RECTANGULAR DIFFUSER		LIGHT TROFFER DIFFUSER SIDE INLET C/W FLEXIBLE DUCT
	NON DUCTED RETURN OR EXHAUST GRILLE		NON DUCTED ROUND RETURN OR EXHAUST GRILLE
	SQUARE PLAQUE DIFFUSER		RADIANT HEATING PANEL
	DIFFUSERS WITH BLANK-OFF PORTION (QTY SHOWN)		SPIN-IN CONNECTION C/W BALANCING DAMPER AND FLEX DUCT
	LAMINAR FLOW DIFFUSER		SPIN-IN CONNECTION C/W BALANCING DAMPER AND RIGID DUCT
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

7 AIR HANDLING SYMBOLS (MSD-0100)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CONTROL FLOW ROOF DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		CONTROL FLOW ROOF DRAIN FROM ABOVE
	ROOF DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		ROOF DRAIN FROM ABOVE
DRAIN: (REFER TO SPECIFICATION SECTION 15421 FOR DETAILS AND ADDITIONAL TYPES NOT LISTED BELOW)			
	FLOOR DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		FLOOR DRAIN FROM ABOVE WITH TRAP
	FUNNEL FLOOR DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		HUB DRAIN FROM ABOVE WITH TRAP
	HUB DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		PLANTER DRAIN FROM ABOVE WITH TRAP
	PROMENADE DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		PLENUM FLOOR DRAIN FROM ABOVE WITH TRAP
	CORNER SCUPPER DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES		WALL SCUPPER DRAIN SIZE AS NOTED REFER TO SPECIFICATION FOR TYPES
	VENT		SIDE WALL DRAIN COMPLETE WITH SIZE AS SHOWN
	SANITARY ABOVE GRADE OR FLOOR		GREASE INTERCEPTOR ABOVE GRADE
	SANITARY BELOW GRADE OR FLOOR		GREASE INTERCEPTOR BELOW GRADE
	STORM ABOVE GRADE OR FLOOR		INDIRECT DRAIN (CONDENSATE, ETC.)
	STORM BELOW GRADE OR FLOOR		STACK VENT
	SUMP PUMP DISCHARGE		RAIN WATER LEADER
	RUNNING TRAP ABOVE GRADE OR FLOOR		SANITARY STACK
	RUNNING TRAP BELOW GRADE OR FLOOR		VENT STACK
	UPTURNED CLEANOUT		WASTE STACK
	HORIZONTAL CLEANOUT		STAINLESS STEEL
	HORIZONTAL CLEANOUT ABOVE GRADE		CLEANOUT IN RISER
	HORIZONTAL CLEANOUT BELOW GRADE		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

8 SANITARY (MSD-0101)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FIRE DAMPER		SMOKE DAMPER
	MOTOR OPERATED DAMPER		POSITIVE SEAL DAMPER
	BALANCING DAMPER		GRAVITY OR BACKDRAFT DAMPER
	COMBINATION SMOKE AND FIRE DAMPER		SPLITTER DAMPER
	VOLUME EXTRACTOR		
<p>V.A.V. AND F.P.V.A.V. TAG V.A.V. BOX TYPE $\frac{A}{1200}$ MIN. FLOW (L/s) MAX. FLOW (L/s) IMPERIAL: CFM [INS.] METRIC: L/s [mm] MIN. PRIMARY FLOW MAX. PRIMARY FLOW (L/s) IMPERIAL: CFM [INS.] METRIC: L/s [mm] FAN POWERED V.A.V. $\frac{FE}{1120/1000}$ REHEAT COIL CAPACITY (KW) RHC REHEAT COIL CAPACITY (KW)</p>			
	V.A.V. BOX (VARIABLE AIR VOLUME)		FAN POWERED BOX C/W RETURN AIR SILENCER OR ACOUSTICALLY LINED RETURN AIR
	V.A.V. BOX WITH ATTENUATOR		INDUCTION V.A.V. BOX
	V.A.V. BOX WITH REHEAT COIL		
	V.A.V. BOX WITH REHEAT COIL AND ATTENUATOR		
<p>HEATING ELEMENT TAG $\frac{A}{1200W}$ HEATING CAPACITY $\frac{1944}{}$ ACTIVE ELEMENT LENGTH</p>			
ENCLOSURE TYPE			
	REHEAT COIL IN DUCT (RHC)		RADIATION HEATING RISER NUMBERS (S=SUPPLY AND R=RETURN)
	HORIZONTAL UNIT HEATER		WALL FIN ELEMENT IN CONTINUOUS ENCLOSURE
	DOWN BLAST UNIT HEATER		
	RADIANT HEATING PANEL		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

9 AIR HANDLING SYMBOLS (MSD-0109)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POWER REQUIREMENT FOR ELECTRIC TRACING		LOW PRESSURE SELECTOR
	ELECTRIC PIPE DEVICE FOR SINGLE LINE PIPES		HIGH PRESSURE SELECTOR
	ELECTRIC PIPE DEVICE FOR DOUBLE LINE PIPES		ELECTRO-PNEUMATIC
	M.C.C. MOTOR CONTROL CENTRE		PNEUMATIC-ELECTRIC
	D.S. DISCONNECT SWITCH		CONTROLLER
	SWITCH (MANUAL STARTER)		TEMPERATURE SENSOR
	H.O.A. HAND-OFF-AUTO		HUMIDITY SENSOR
	FREEZE STAT		POWER OUTLET FOR C.E.M.S.
	FIRE STAT		FLOW MONITORING STATION
	SENSOR		STATIC
	PNEUMATIC THERMOSTAT		VARIABLE SPEED DRIVE
	CENTRAL ENERGY MANAGEMENT SYSTEM		CARBON MONOXIDE SENSOR
	FLOW SWITCH		REFRIGERANT SENSOR
	HUMIDISTAT (PNEUMATIC)		CARBON DIOXIDE SENSOR
	HUMIDISTAT (ELECTRIC)		NITROGEN OXIDE SENSOR
	SPEED SWITCH		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

10 ELECTRICAL AND CONTROLS SYMBOLS (MSD-0111)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
FIXTURES: (REFER TO SPECIFICATION SECTION 15450 FOR DETAILS AND ADDITIONAL TYPES NOT LISTED BELOW)			
	FLOOR MOUNTED WATER CLOSET C/W FLUSH VALVE		SHOWER
	WALL HUNG WATER CLOSET C/W FLUSH VALVE		DRINKING FOUNTAIN
	FLOOR MOUNTED WATER CLOSET C/W FLUSH TANK		EMERGENCY EYEWASH
	URINAL		EMERGENCY EYEWASH/SHOWER
	COUNTERTOP LAVATORY		FLUSH TANK
	WALL HUNG LAVATORY		PLUMBING FIXTURE TAG
	SINGLE COMPARTMENT SINK		
	MOP SINK		
	DOUBLE COMPARTMENT SINK		
	BATHTUB		
	TEMPERED MIXING VALVE ASSEMBLY		HOT AND COLD HOSE BIBB
	TEMPERED MIXING VALVE CABINET		HOSE BIBB
	WATER METER		WALL HYDRANT (OR NON FREEZE WALL HYDRANT)
	DOMESTIC COLD WATER (DCW)		NATURAL GAS
	DOMESTIC HOT WATER (DHW)		NATURAL GAS VENT
	DOMESTIC HOT WATER RECIRCULATION (DHWRC)		
	TEMPERED DOMESTIC HOT WATER		
	NON-POTABLE WATER		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

11 FIXTURES AND GENERAL DOMESTIC WATER (MSD-0105)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE		PIPE GUIDE
	GLOBE VALVE		PIPE SLEEVE
	BALL VALVE		ANCHOR
	LOCKSHIELD VALVE		STRAINER
	FLOW BALANCING VALVE		UNION
	PRESSURE INDEPENDENT FLOW BALANCING VALVE		FLANGE FITTING
	PLUG VALVE		ECCENTRIC FITTING
	PRESSURE REDUCING VALVE		CONCENTRIC FITTING
	CHECK VALVE		PRESSURE GAUGE
	SOLENOID VALVE		THERMOMETER
	SAFETY RELIEF VALVE		PRESSURE GAUGE COCK ASSEMBLY
	FLOW METERING STATION		THERMOMETER WELL
	BACKFLOW PREVENTOR		EXPANSION JOINT
	ANGLE VALVE		MANUAL AIR VENT
	ANCHOR		AUTOMATIC AIR VENT
	BUTTERFLY VALVE		AIR SEPARATOR
	2-WAY BUTTERFLY VALVE		SIGHT GLASS
			PUMP
			P.R.V. C/W SHUT-OFF VALVE
			P.R.V. STATION
	VACUUM BREAKER		
	BACK WATER VALVE		
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

12 VALVES AND APPURTENANCES (MSD-0104)

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DETAIL NUMBER		SECTION NUMBER
	DRAWING NUMBER		DRAWING NUMBER
	REVISION NUMBER		REVISION BUBBLE
	R.O.U.G.H I.N. O.N.L.Y.		N.O.R.M.A.L.L.Y. O.P.E.N.
	R.O.U.G.H I.N. A.N.D. C.O.N.N.E.C.T.		N.O.R.M.A.L.L.Y. C.L.O.S.E.D.
	A.C.C.E.S.S D.O.O.R.		S.T.A.I.N.L.E.S.S S.T.E.E.L.
	PIPING SERVICE CONTINUES		E.L.B.O.W.S.
	REFER TO STANDARD DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS OF EQUIPMENT NOTED		T.E.E.
	EQUIPMENT/PIPING/DUCTWORK SHOWN DASHED BELOW		BRANCH OFF BOTTOM OF MAIN
	PIPING INTERSECTS PIPING BELOW		BRANCH OFF TOP OF MAIN
	PIPE DROP OR FROM BELOW		DIRECTION OF FLOW
	PIPE UP OR FROM ABOVE		RELOCATE EXISTING ITEM
	CAP CONNECTION		
	SQUARE EXTERIOR AREA DRAIN		MANHOLE
	THRUST BLOCK		MANHOLE CATCH BASIN
	GAS METER		CATCH BASIN
			CIRCULAR AREA DRAIN
NOTE: NOT ALL SYMBOLS APPLY, REFER TO FLOOR PLANS AND DRAWINGS			

13 GENERAL AND SITE PLAN SYMBOLS AND ABBREVIATIONS (MSD-0101)

01	ISSUED FOR TENDER	2013/05/08
number	revision	date

notes

project

RENOVATION TO GOVERNMENT OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing

MECHANICAL LEGEND

designed	DF/CW	conçu
date	MARCH 2013	date
drawn	LH/CW	dessiné
date	APRIL 2013	date
approved	DF	approuvé
date	MAY 08 2013	date
Tender	TENDER DATE	appel d'offres

contract number

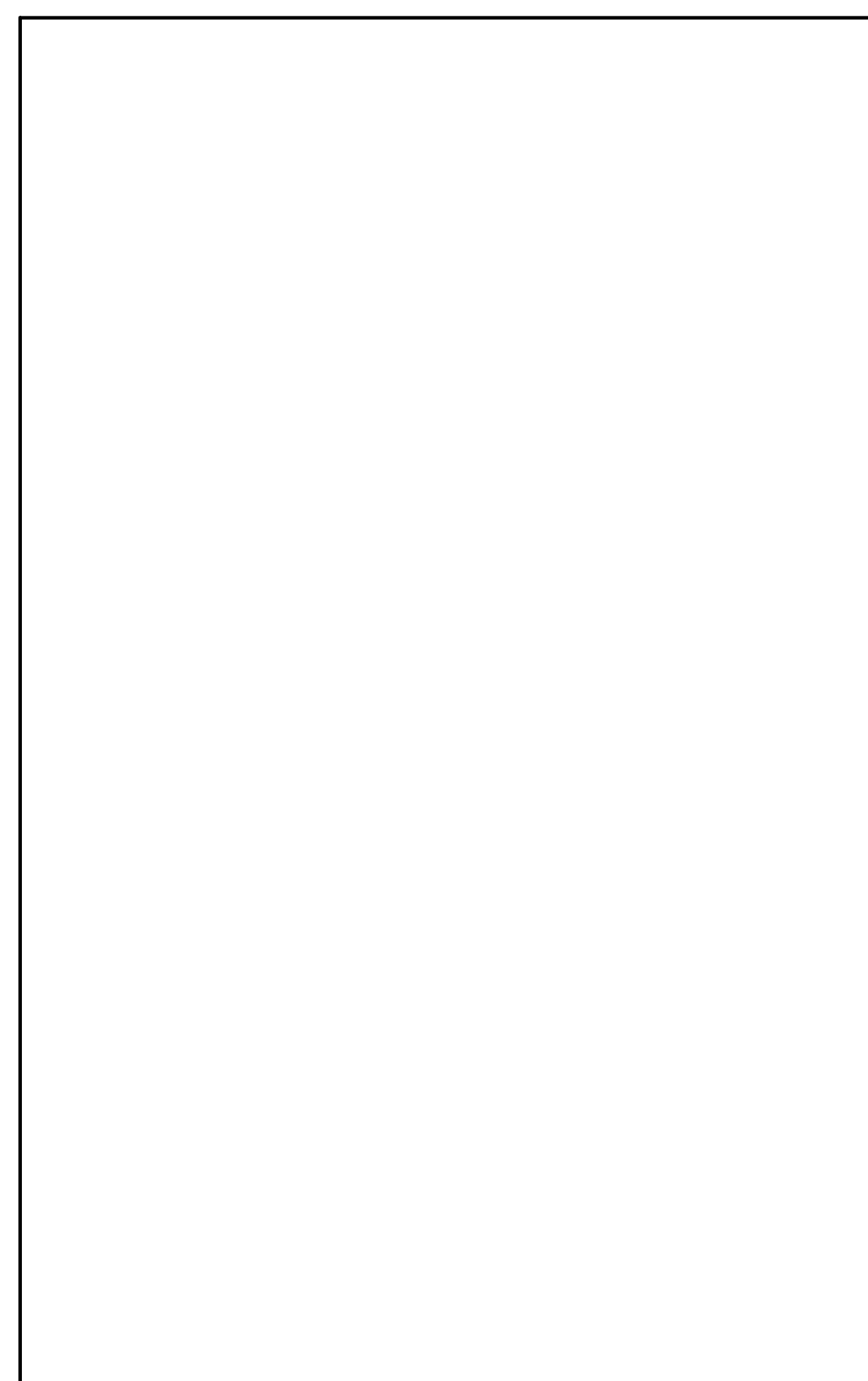
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drawing number

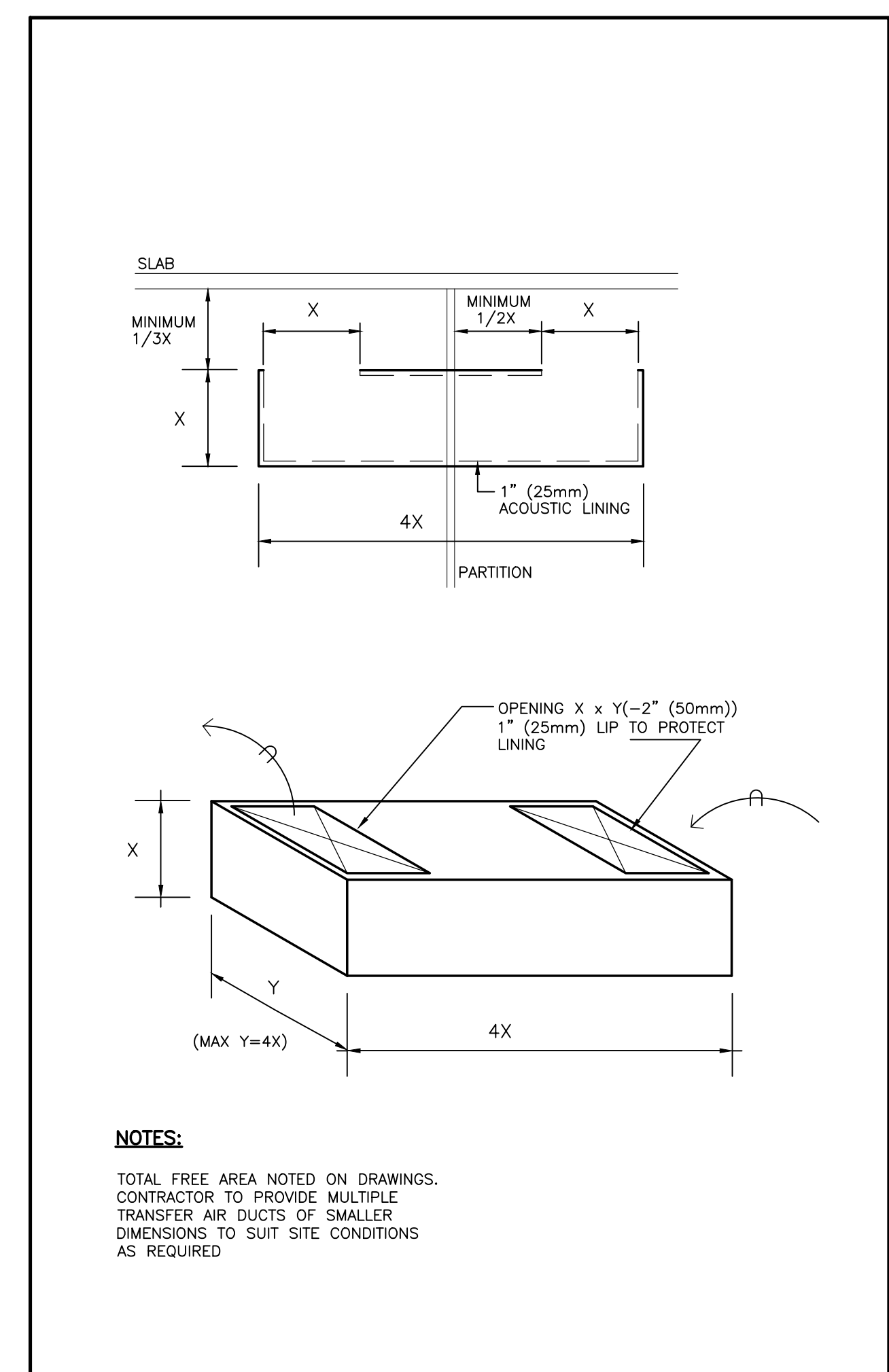
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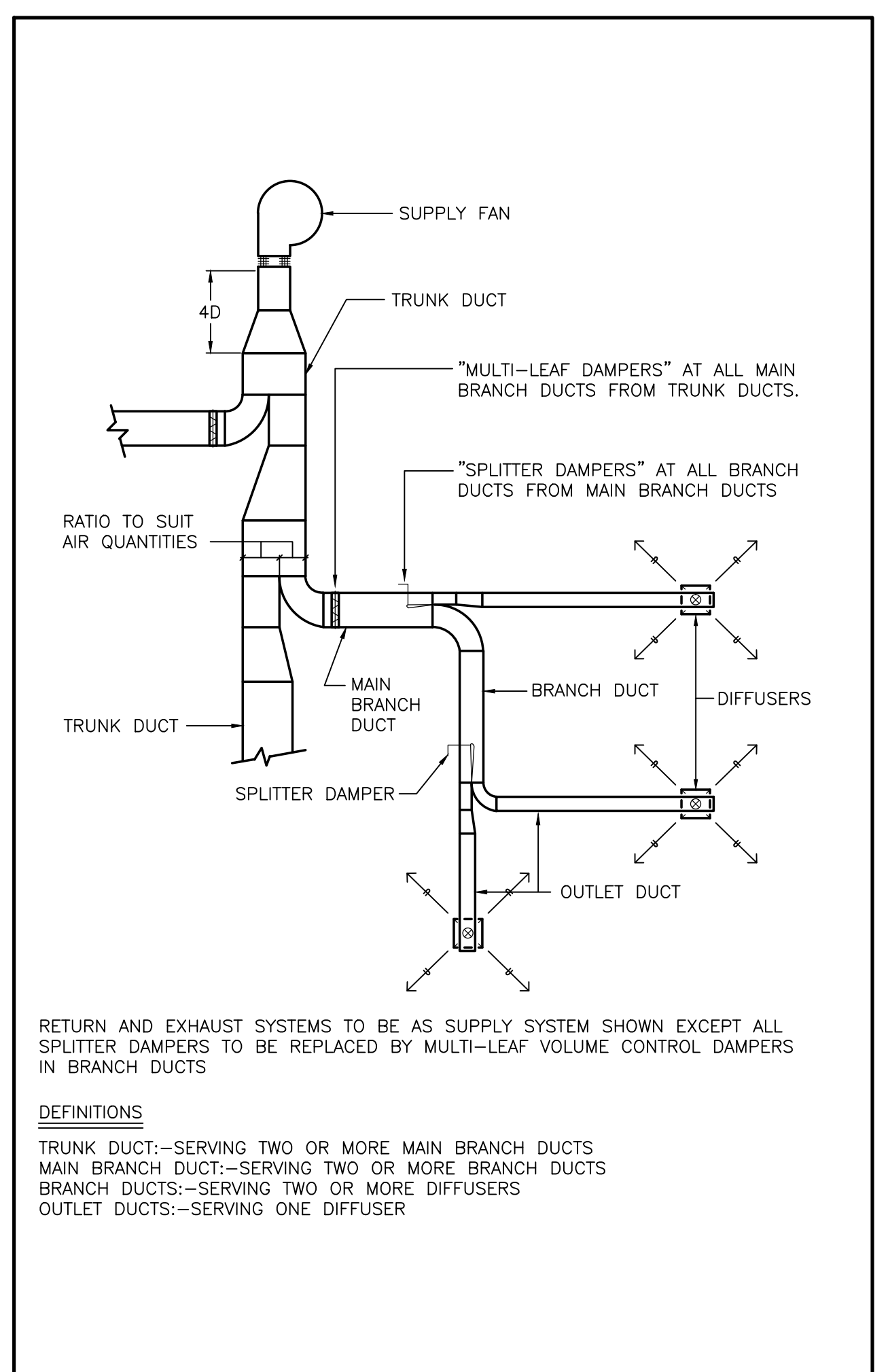
Smith + Andersen
10320-102 Ave Suite 501 Edmonton Alberta T5J 4A1
780 701 0331 www.smithandandersen.com



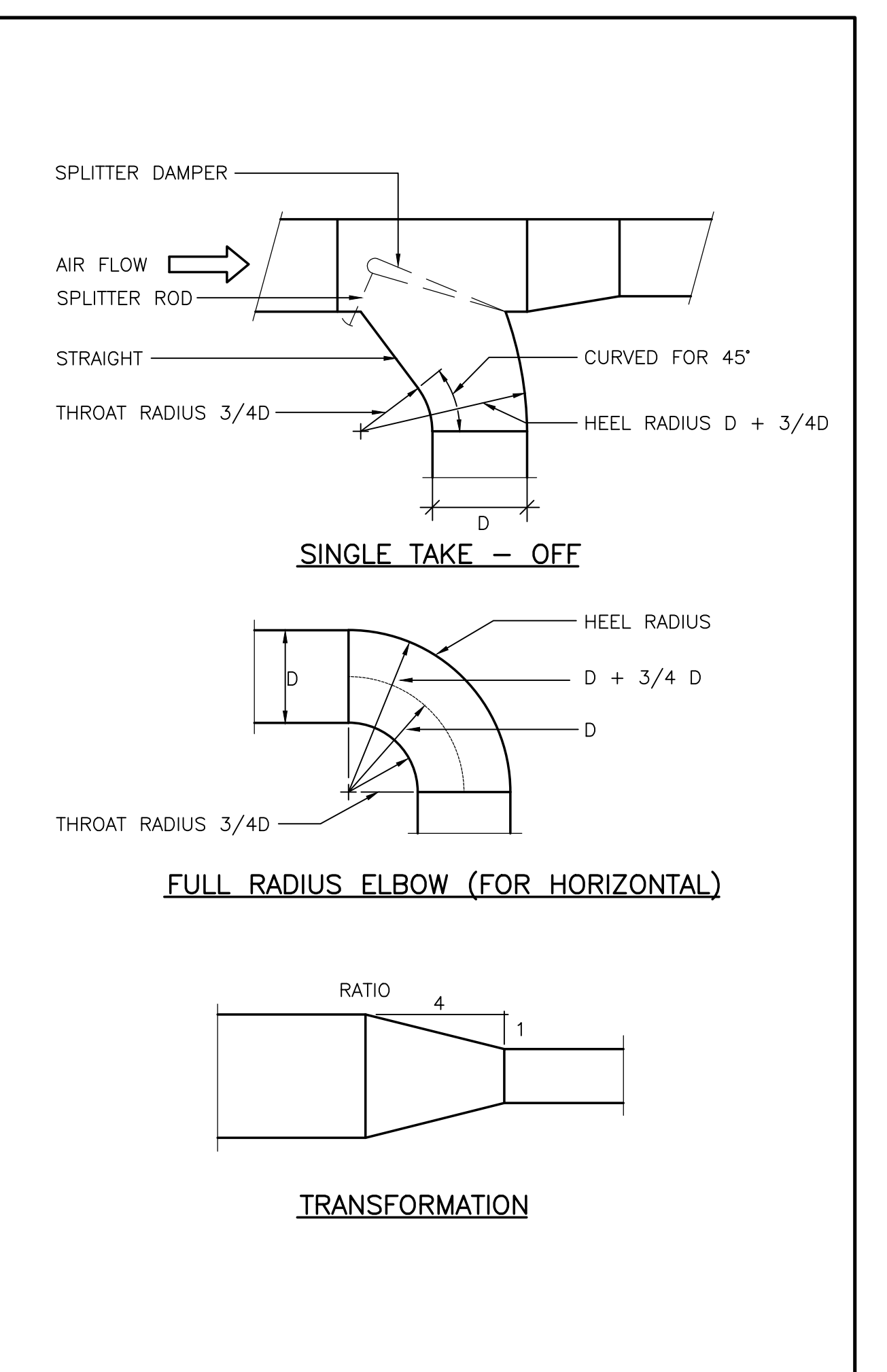
7 NOT USED
M003 NTS



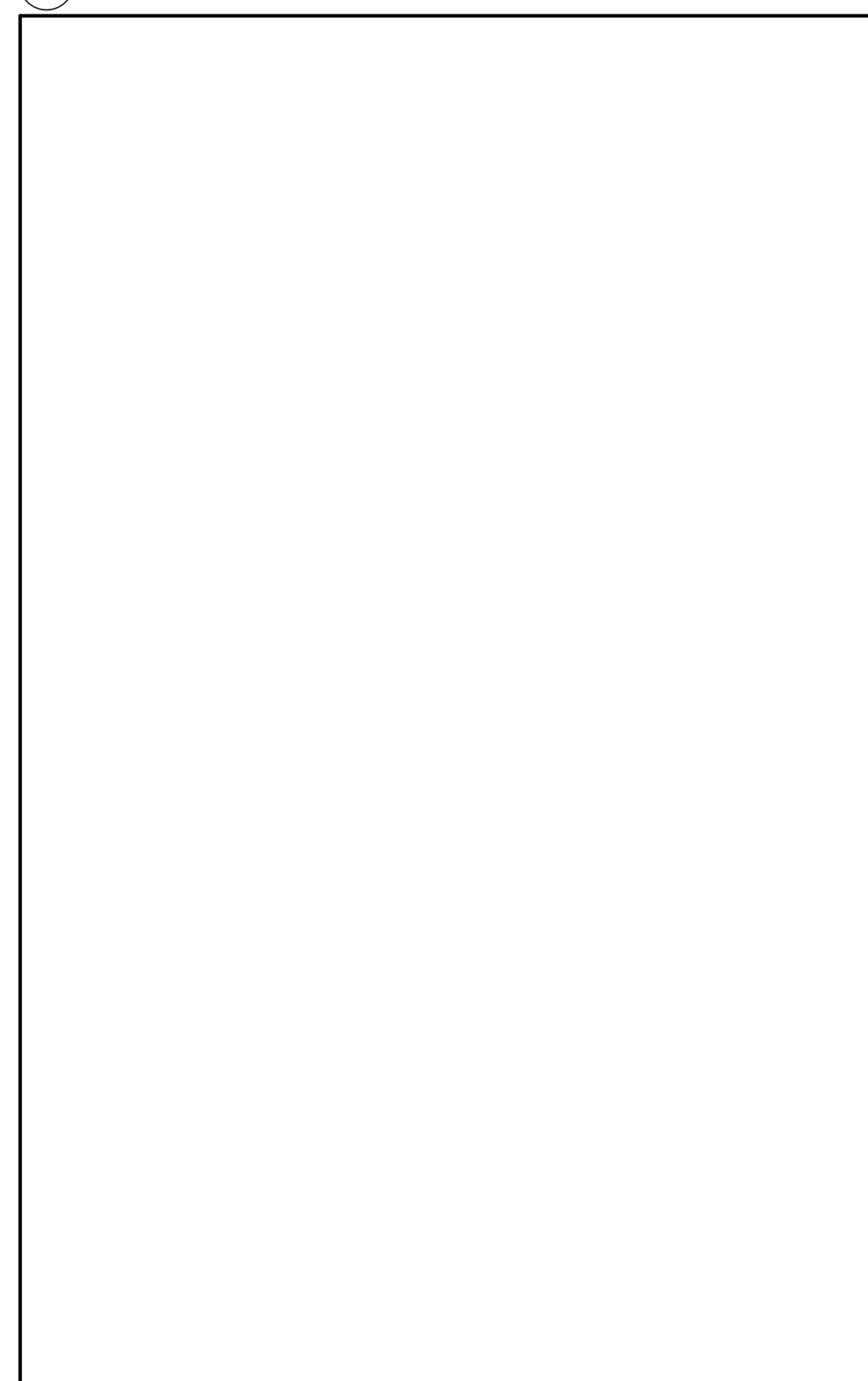
5 ACOUSTICALLY LINED TRANSFER DUCT
M003 NTS



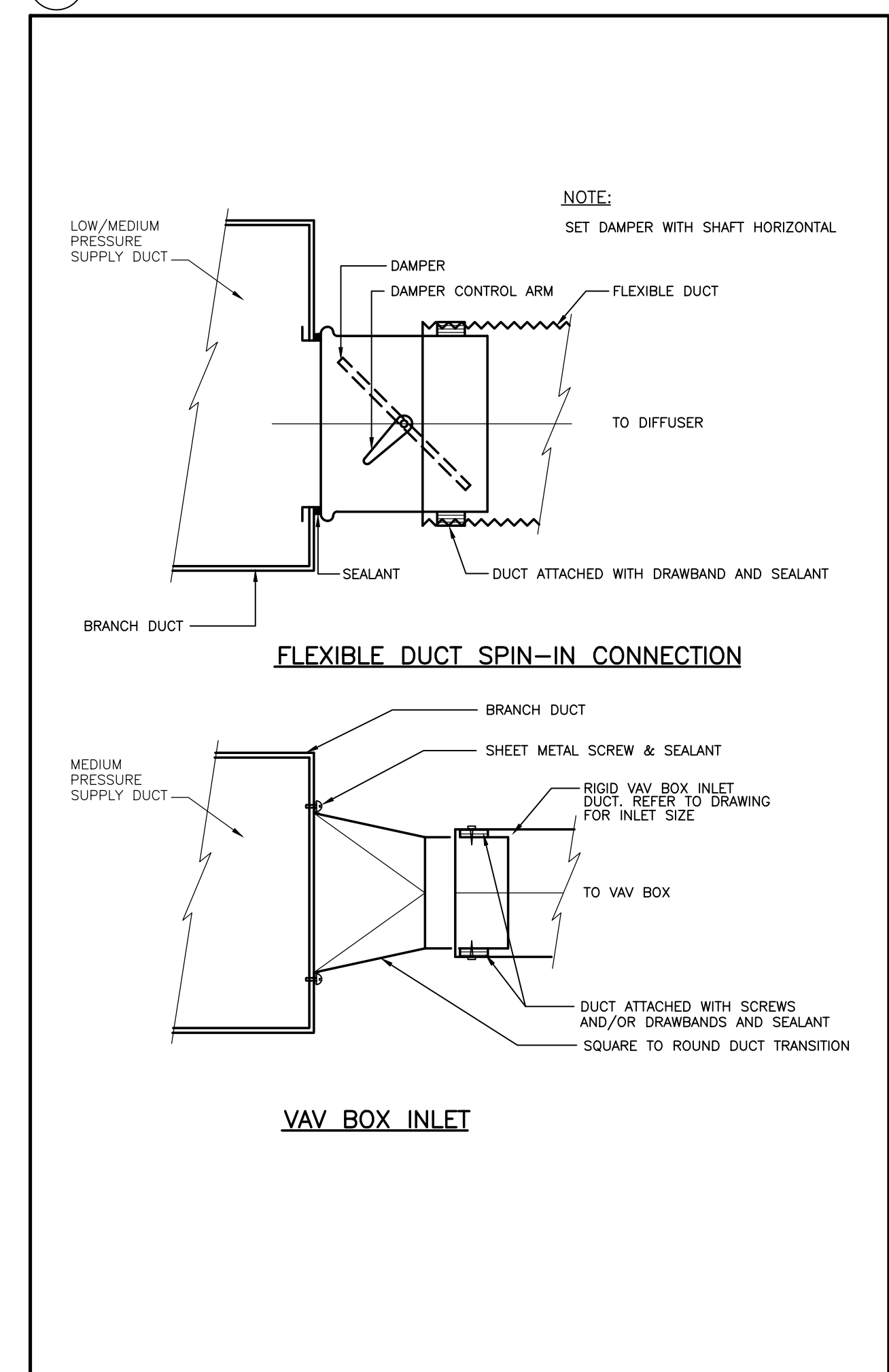
3 BALANCING DAMPERS
M003 NTS



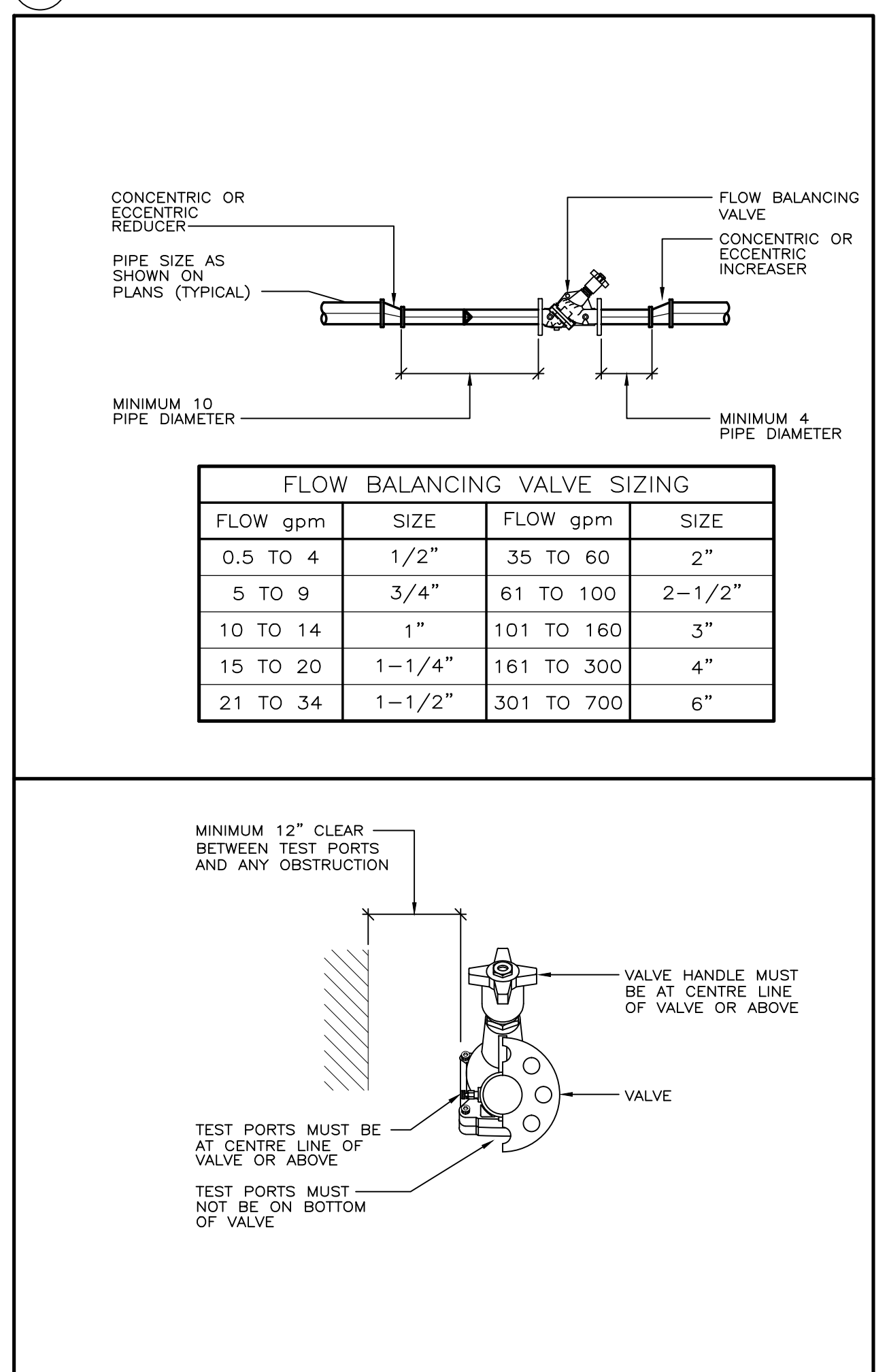
1 DUCT DETAILS
M003 NTS



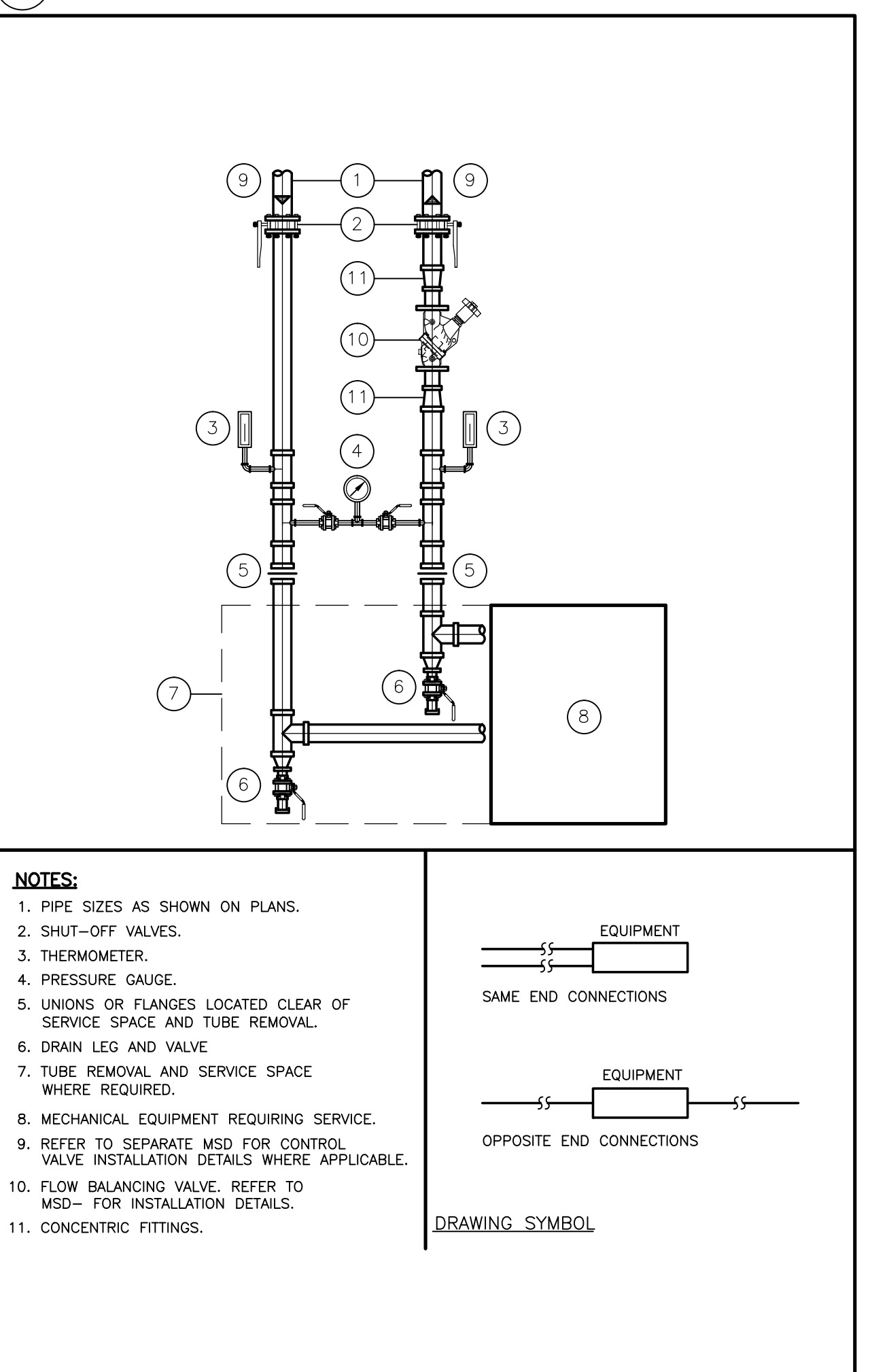
8 NOT USED
M003 NTS



6 FLEXIBLE DUCT CONNECTIONS
M003 NTS



4 TYPICAL FLOW BALANCING VALVE INSTALLATION
M003 NTS



2 EQUIPMENT INSTALLATION
M003 NTS

project: RENOVATION TO GOVERNMENT OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

MECHANICAL DETAILS

designed	DF/CW	concu
date	MARCH 2013	date
drawn	LH/CW	dessine
date	APRIL 2013	date
approved	DF	approuve
date	MAY 08 2013	date
Tender	TENDER DATE	appel d'offres

contract number: 7181418
drawing number: M003



- NOTES:
- ① TO THERMOSTAT, SEE M103 FOR LOCATION.
 - ② EXISTING NFHB AND DOW PLUMBING TO REMAIN
 - ③ RADIATION SALVAGED FOR RELOCATION.
 - ④ REMOVE EXISTING HOSE REEL, CAP PIPING AT VALVES



1 MAIN FLOOR PIPING PLANS - DEMOLITION
M101 1:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

project
project
**RENOVATION TO GOVERNMENT
OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA**

**MAIN FLOOR PIPING
PLANS - DEMOLITION**

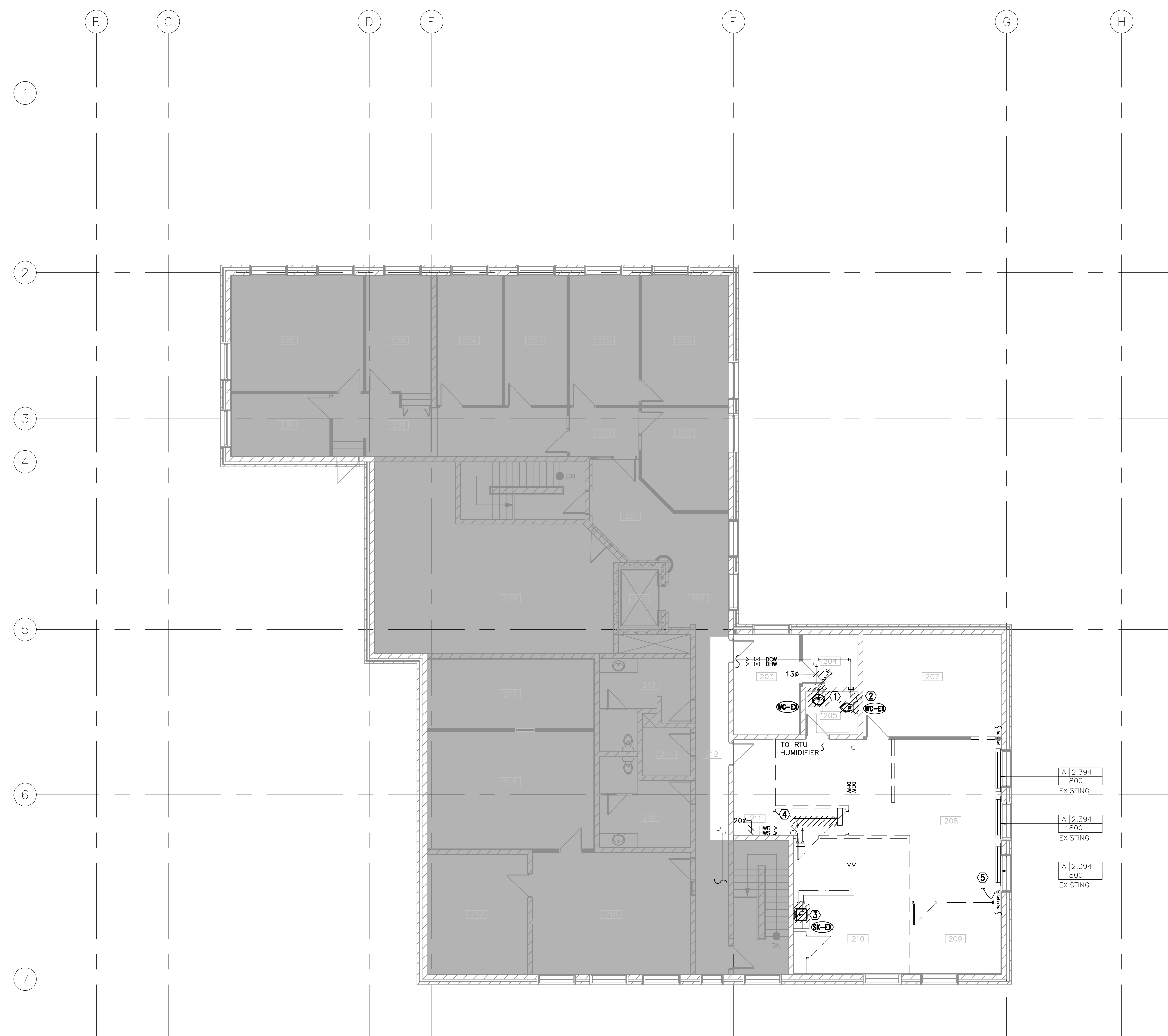
designed	DF/CW	conçu
date	MARCH 2013	date
drawn	LH/CW	dessiné
date	APRIL 2013	date
approved	DF	approuvé
date	MAY 08 2013	date
Tender	TENDER DATE	appel d'offres

contract number
7181418

drawing number
M101



- NOTES:
- ① REMOVE SINK, CAP DHW, DCW, VENTING, AND SANITARY AT WALL.
 - ② REMOVE WATER CLOSET, CAP DCW AND SANITARY.
 - ③ REMOVE SINK AND FAUCET, CAP EXISTING SERVICES AT WALL TEMPORARILY.
 - ④ CAP HWS AND HWR AT LINE TEMPORARILY.
 - ⑤ SEE M104 FOR THERMOSTAT LOCATION.



1 2ND FLOOR PIPING PLANS - DEMOLITION
M102 1:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project

RENOVATION TO GOVERNMENT
OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing

2ND FLOOR PIPING
PLANS - DEMOLITION

designed DF/CW concu

date MARCH 2013 date

drawn LH/CW dessine

date APRIL 2013 date

approved DF approuve

date MAY 08 2013 date

Tender TENDER DATE appel d'offres

contract number

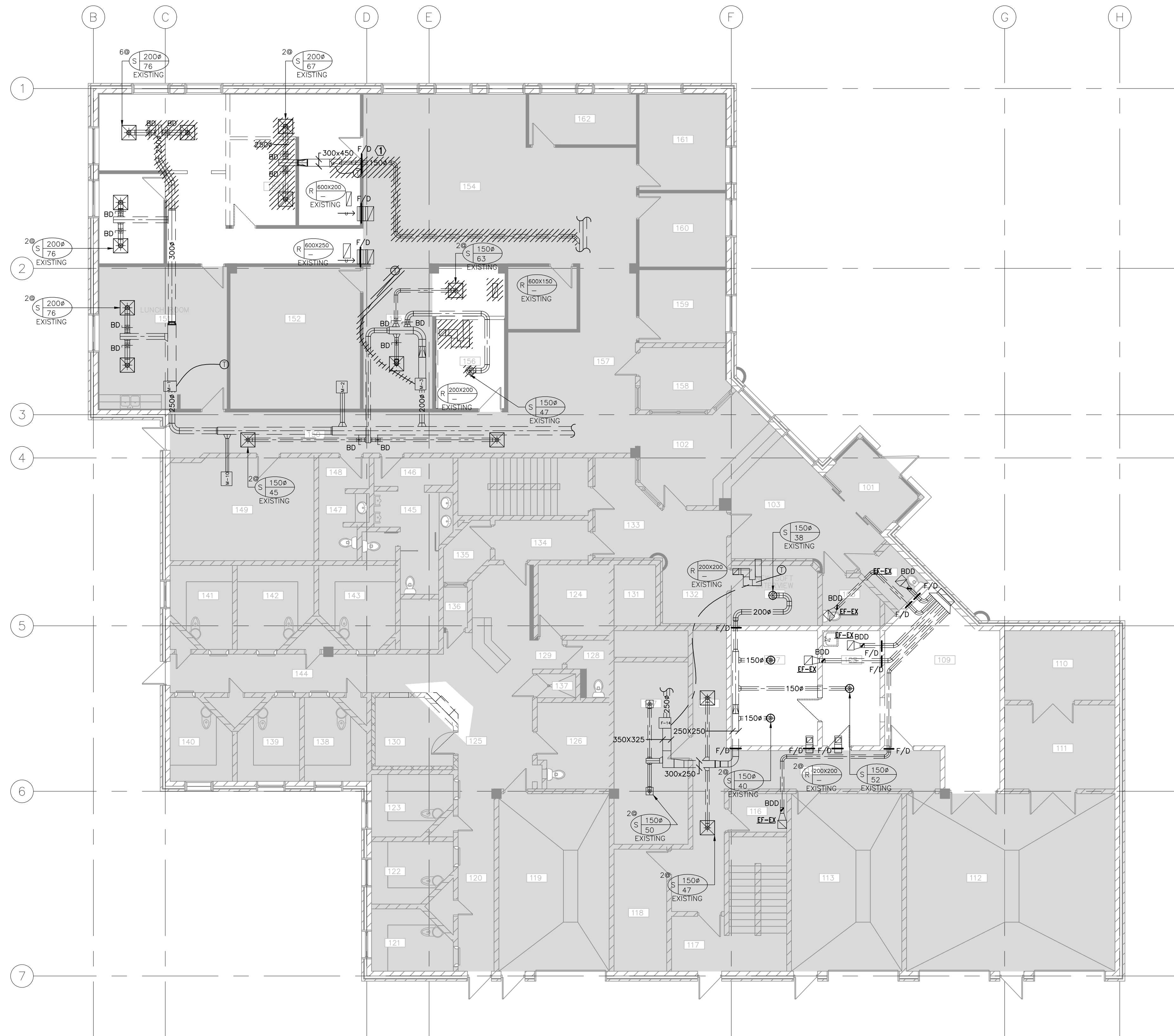
7181418

drawing number numero de dessin

M102



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1 MAIN FLOOR HVAC PLANS - DEMOLITION
M103 T:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project
**RENOVATION TO GOVERNMENT OF CANADA BUILDING
 4806 - 55 STREET,
 ST. PAUL, ALBERTA**

drawing
**MAIN FLOOR HVAC
 PLANS - DEMOLITION**

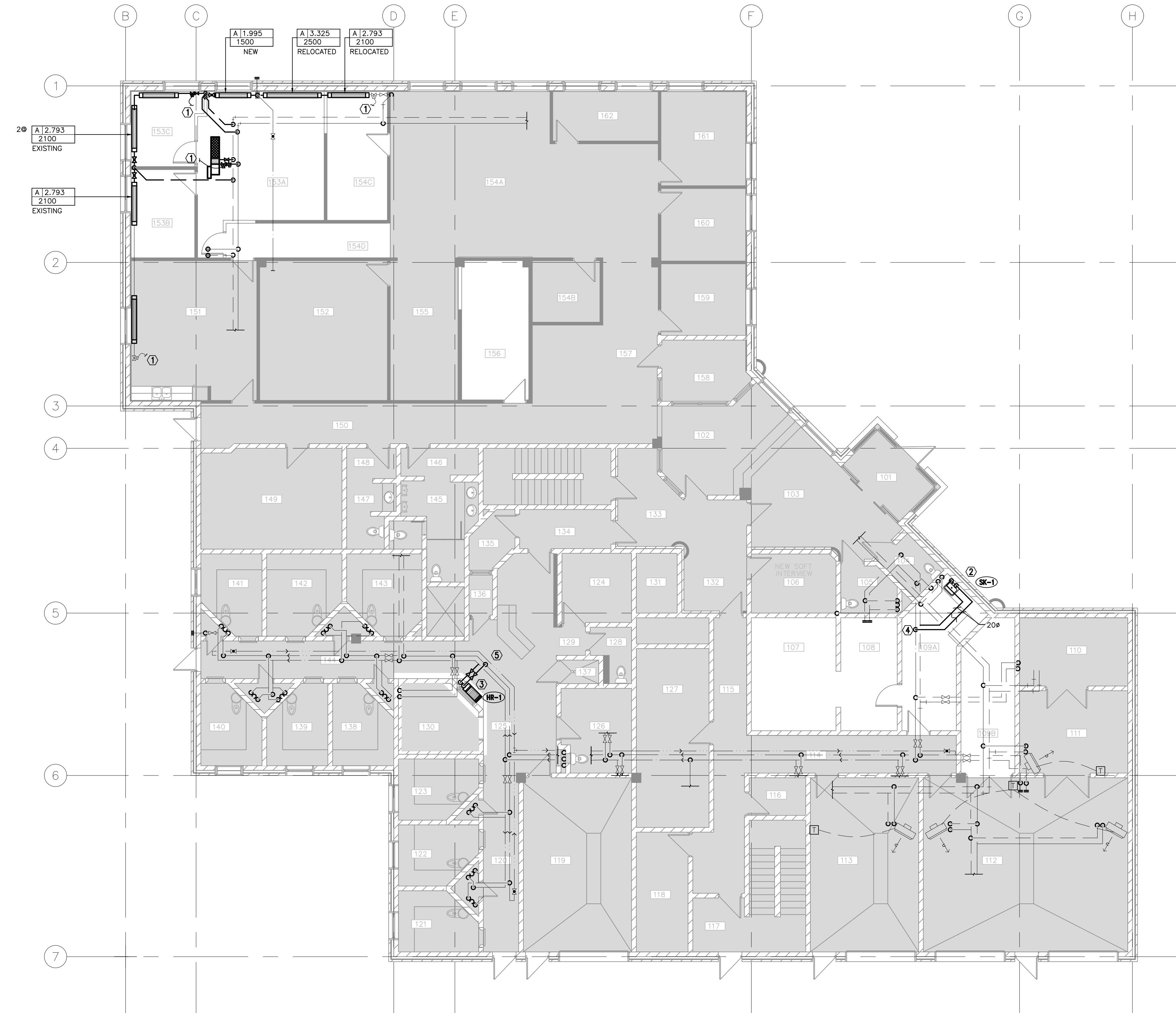
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date	MARCH 2013	date
drawn	LH/CW	dessine
date	APRIL 2013	date
approved	DF	approuve
date	MAY 08 2013	date
Tender	TENDER DATE	appel d'offres

contract number	7181418
drawing number	M103



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- NOTES:
- ① TO THERMOSTAT, SEE M203 FOR LOCATION.
 - ② SK-1 - CONNECT SANITARY AND VENTING TO EXISTING WASHROOM.
 - ③ NEW HOSE REEL CABINET DROPPED BELOW WINDOW AND PLUMBED FROM SIDE.
 - ④ CONNECT TO EXISTING CHW & CDW ABOVE CONCRETE CEILING.
 - ⑤ CONNECT TO EXISTING CHW AND CDW.



1 MAIN FLOOR PIPING PLANS - NEW CONSTRUCTION
M201 1:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project

RENOVATION TO GOVERNMENT OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing

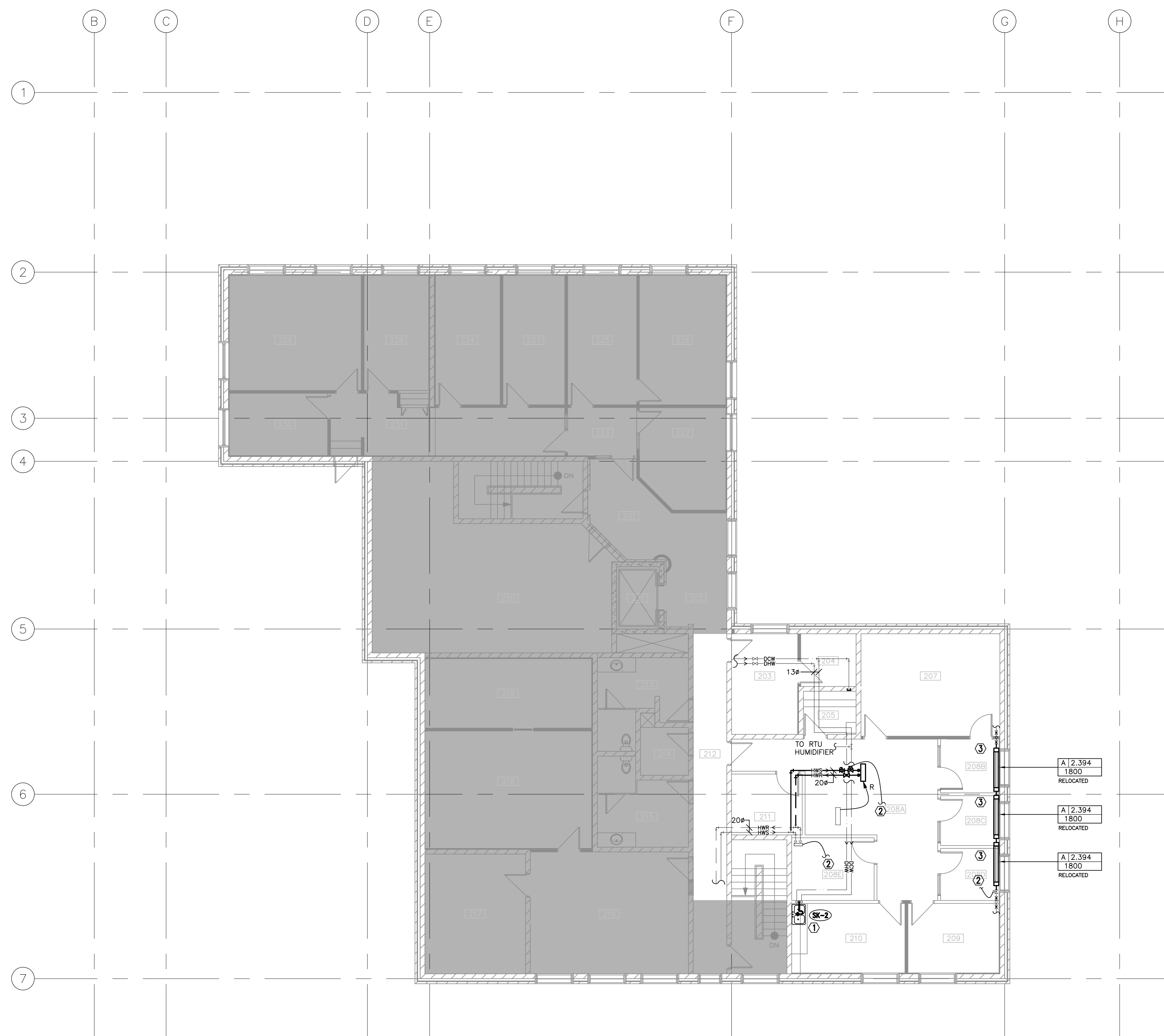
MAIN FLOOR PIPING PLANS - NEW CONSTRUCTION

designed	DF/CW	concl.
date	MARCH 2013	date
drawn	LH/CW	dessine
date	APRIL 2013	date
approved	DF	approuve
date	MAY 08 2013	date
Tender	TENDER DATE	appel d'offres

contract number	7181418
drawing number	M201



- NOTES:
- ① CONNECT SINK TO EXISTING SERVICES. PROVIDE DOW CONNECTION FOR FUTURE COFFEE MAKER.
 - ② SEE M204 FOR THERMOSTAT LOCATION.
 - ③ RELOCATE FIN TO ACCOMMODATE ADDITIONAL PARTITION WALLS. MODIFY CABINET TO SUIT.



1 2ND FLOOR PIPING PLANS - NEW CONSTRUCTION
M202 1:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project

RENOVATION TO GOVERNMENT
OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing

**2ND FLOOR PIPING
PLANS - NEW
CONSTRUCTION**

designed DF/CW concu

date MARCH 2013 date

drawn LH/CW dessine

date APRIL 2013 date

approved DF approuve

date MAY 08 2013 date

Tender TENDER DATE appel d'offres

contract number

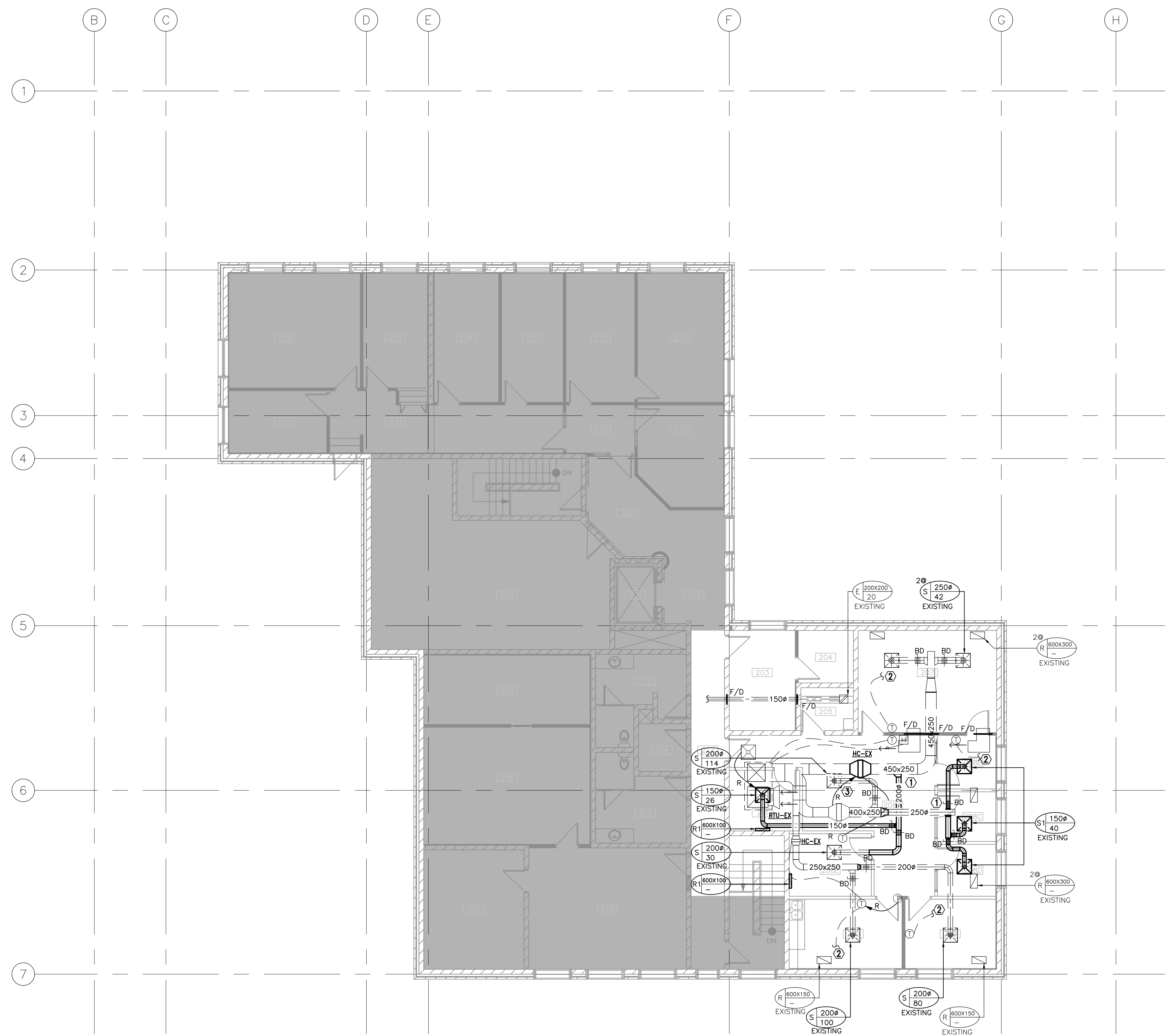
7181418

drawing number numero de dessin

M202



- NOTES:
- ① CONNECT NEW DUCT TO EXISTING
 - ② TO PERIMETER RADIATION
 - ③ CLEAN AND RELOCATE REHEAT COIL, REPAIR DUCT AFTER COIL IS REMOVED.
 - ④ COORDINATE DIFFUSER LOCATIONS WITH LIGHTING ON SITE.



1 2ND FLOOR HVAC PLANS - NEW CONSTRUCTION
M204 1:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

project
project
RENOVATION TO GOVERNMENT
OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

2ND FLOOR HVAC
PLANS - NEW
CONSTRUCTION

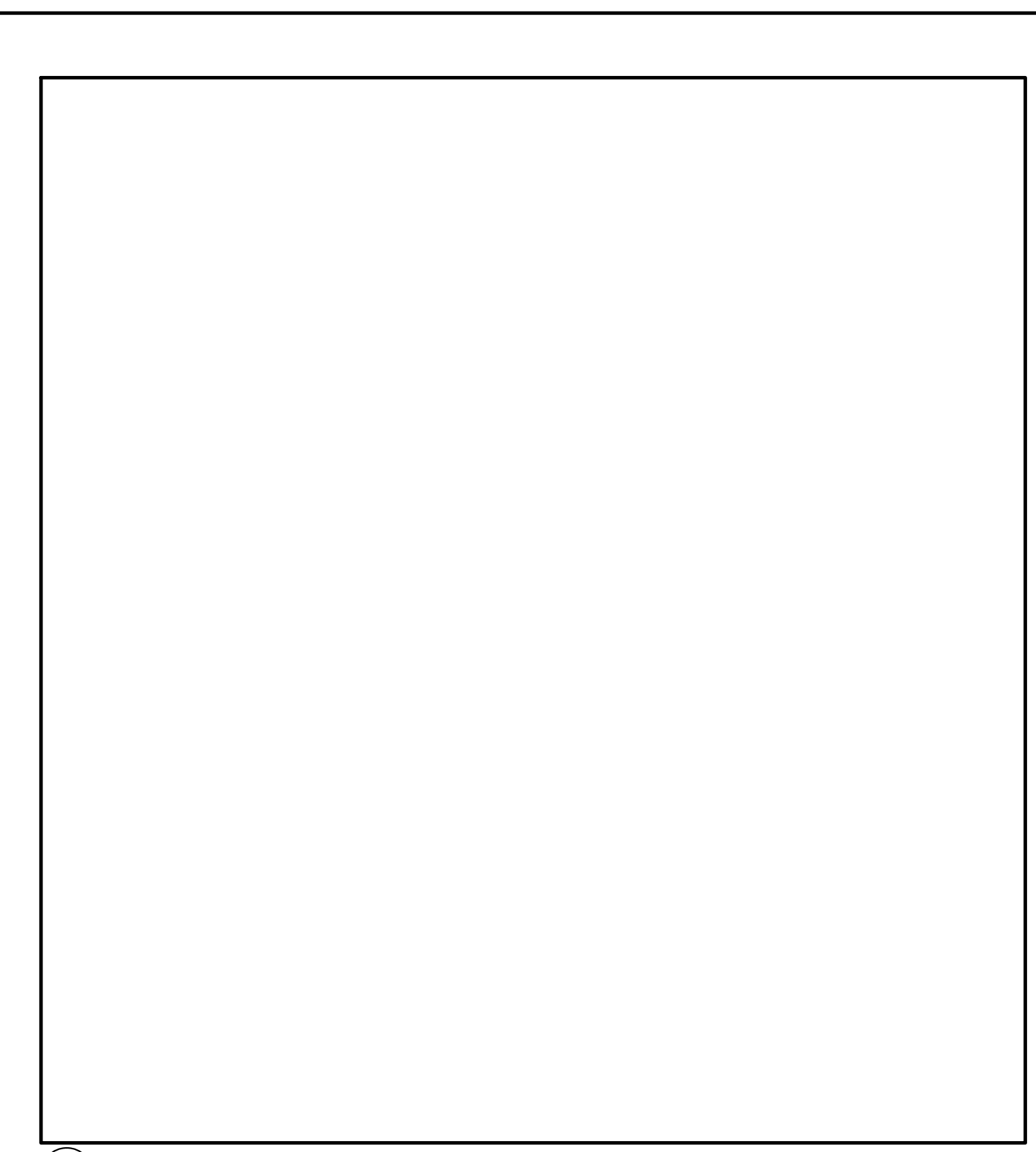
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date	MARCH 2013	date
drawn	LH/CW	dessine
date	APRIL 2013	date
approved	DF	approuve
date	MAY 08 2013	date
Tender	TENDER DATE	appel d'offres

contract number
7181418
drawing number
M204

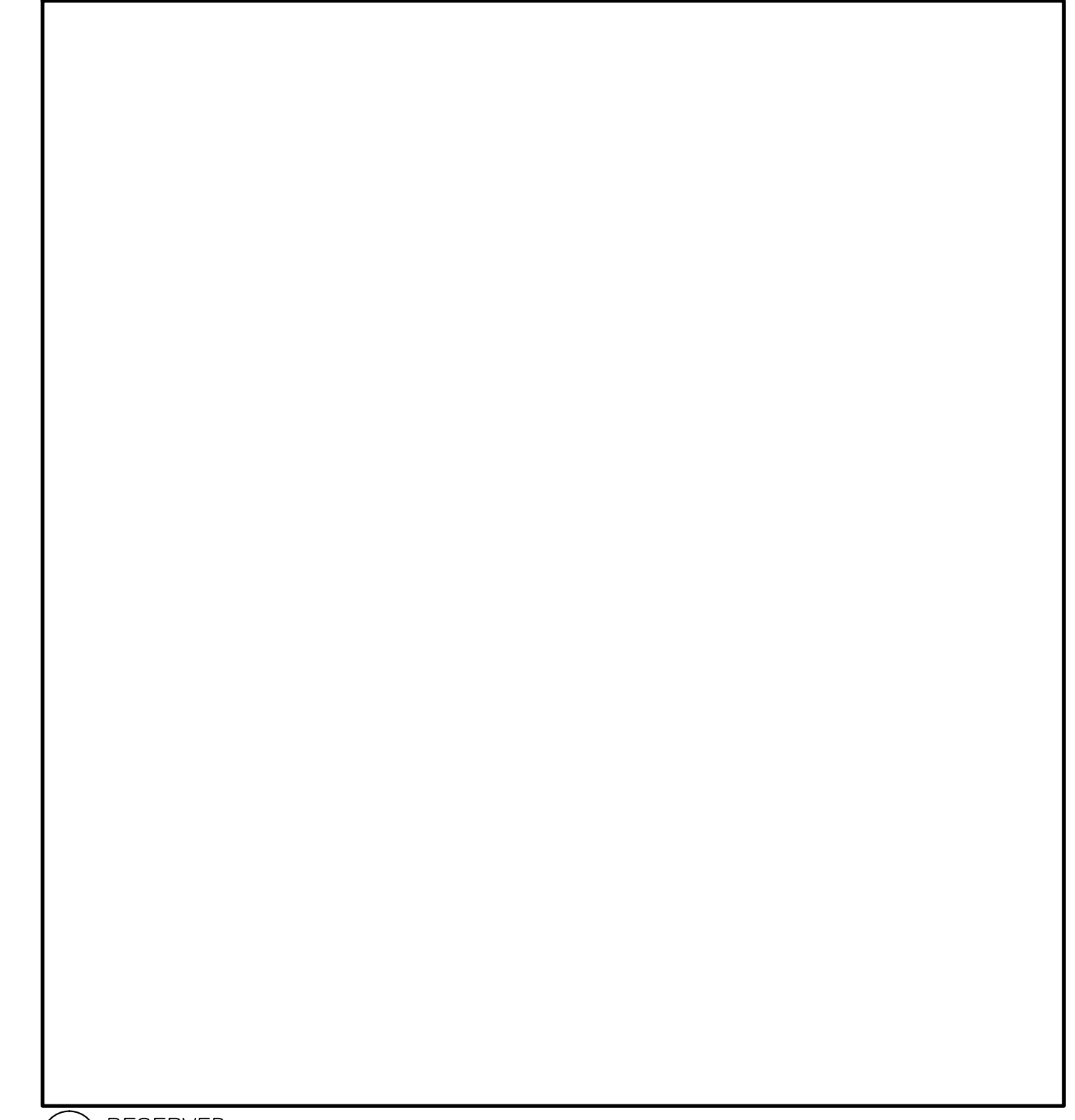


RENOVATIONS TO GOVERNMENT OF CANADA BUILDING

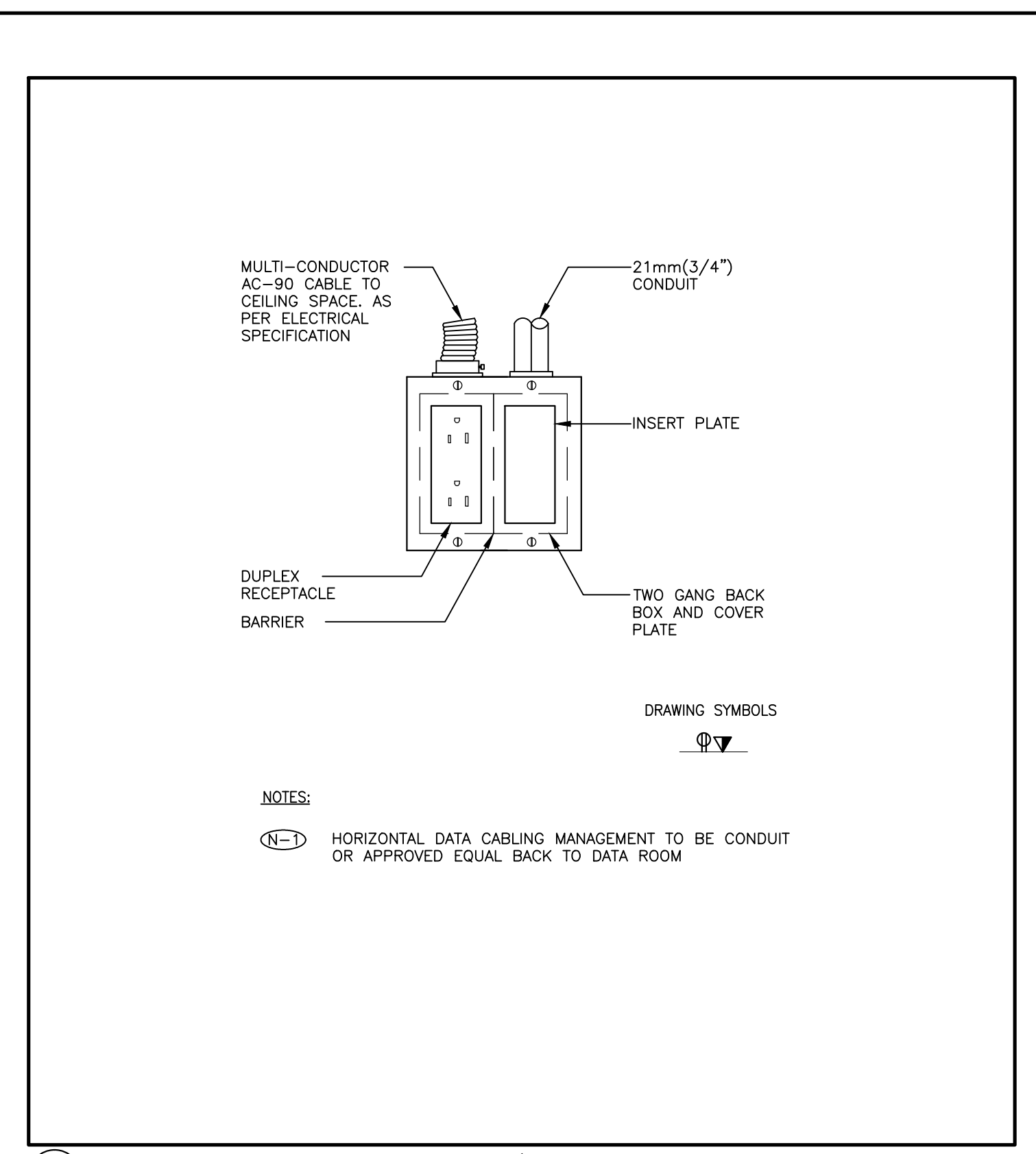
4806 - 55 Street
St. Paul, Alberta



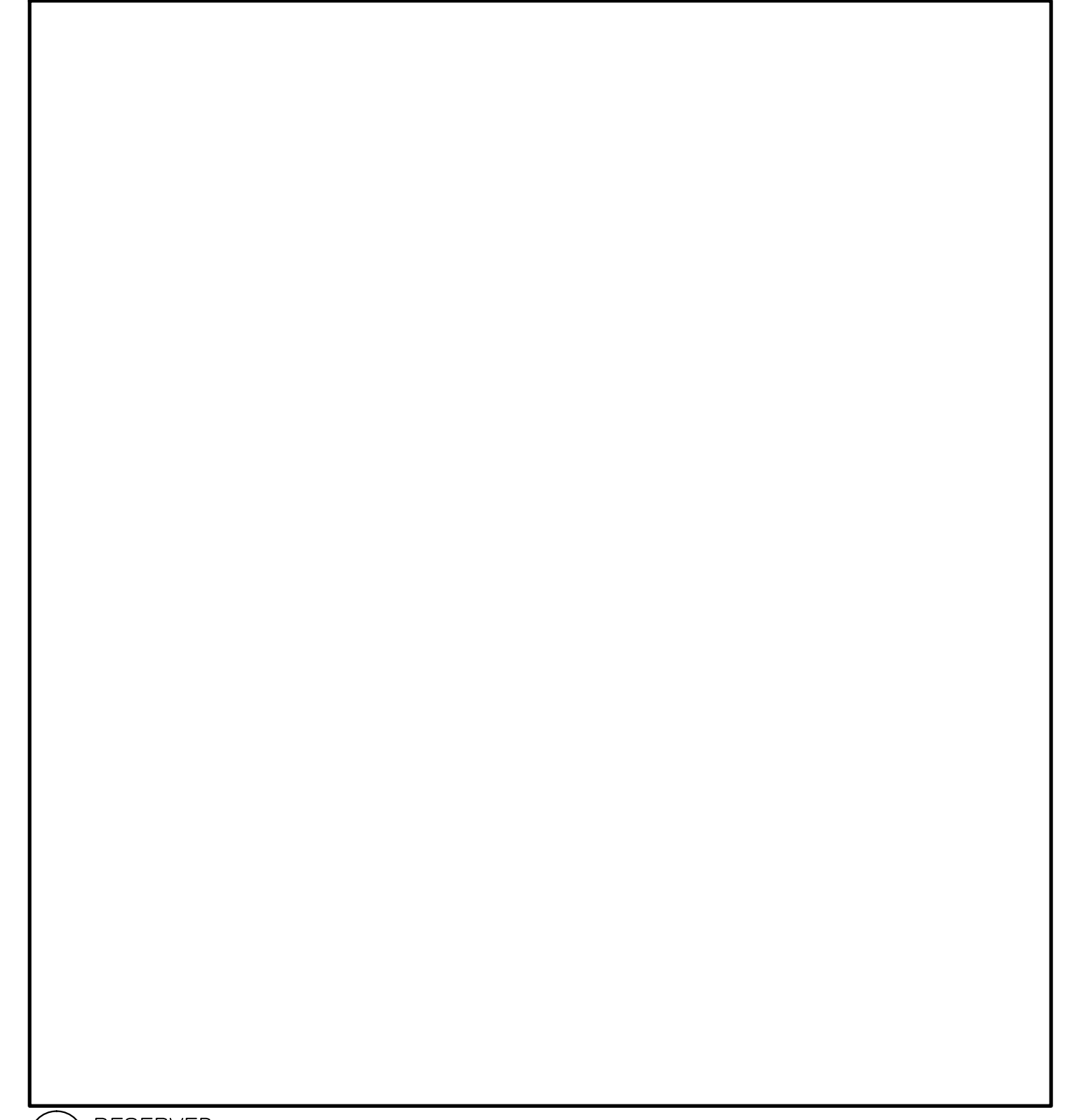
3
E001
RESERVED



4
E001
RESERVED



1
E001
TWO GANG DUPLEX RECEPTACLE W/ AC-90 CABLE AND COMM. OUTLETS
SCALE : N.T.S.



2
E001
RESERVED

FIRE ALARM LEGEND

ALARM INITIATING DEVICES	
	CEILING MOUNTED PHOTO-ELECTRIC SMOKE DETECTOR
	CEILING MOUNTED RATE-OF-RISE HEAT DETECTOR

SIGNALING DEVICES	
	FIRE ALARM BELL 103MM(4\") UNLESS OTHERWISE NOTED

LIGHTING LEGEND

	EXISTING FLUORESCENT CEILING MOUNTED LUMINAIRE TO BE REMAIN
	NEW FLUORESCENT CEILING MOUNTED LUMINAIRE OR IN RELOCATED POSITION
	EMERGENCY FLUORESCENT CEILING MOUNTED LUMINAIRE ON EMERGENCY POWER
	EXISTING FLUORESCENT CEILING MOUNTED LUMINAIRE TO BE REMOVED AND/OR RELOCATED
	CEILING MOUNTED LUMINAIRE (\"F\" DENOTES FLOOR MOUNTED)
	SINGLE POLE 120V LIGHT SWITCH
	EXIT LIGHT CEILING MOUNTED C/W FACES AND ARROWS AS INDICATED
	EXIT LIGHT WALL MOUNTED C/W FACES AND ARROWS AS INDICATED

COMMUNICATION LEGEND

	WALL MOUNTED DATA/VOICE OUTLET, CABLE TYPE AS PER SPECIFICATION.
	CEILING MOUNTED DATA/VOICE OUTLET, CABLE TYPE AS PER SPECIFICATION.
	COMMUNICATIONS BOX

POWER LEGEND

	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED QUAD RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	WALL MOUNTED DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R (1-SLOT)
	WALL MOUNTED ABOVE COUNTER DUPLEX RECEPTACLE 120 VOLT, 20 AMP, CSA 5-20R (1-SLOT)
	CEILING MOUNTED DUPLEX RECEPTACLE 120 VOLT, 15 AMP, CSA 5-15R
	FLUSH MOUNTED SINGLE TUB PANEL(RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE)
	FLUSH MOUNTED DOUBLE TUB PANEL(RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE)
	SURFACE MOUNTED SINGLE TUB PANEL(RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE)
	SURFACE MOUNTED DOUBLE TUB PANEL(RATING AS NOTED ON SINGLE LINE/PANEL SCHEDULE)
	CDP/QMOB DISTRIBUTION PANEL(RATING AS NOTED ON SINGLE LINE)
	TRANSFORMER (SIZE NOTED ON DRAWING)
	JUNCTION BOX (SIZE SPECIFIED ON DRAWING)

NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.

DRAWING LIST

E001	ELECTRICAL TITLE, LEGEND, AND DETAILS
E101	MAIN POWER & SYSTEMS PLAN - DEMOLITION
E200	MAIN LIGHTING PLAN - NEW CONSTRUCTION
E201	MAIN POWER & SYSTEMS PLAN - NEW CONSTRUCTION

ABBREVIATIONS

I.G.	ISOLATED GROUND
J.B.	JUNCTION BOX
AFF	ABOVE FINISHED FLOOR
S.C.	SEPARATE CIRCUIT
L.V.	LOW VOLTAGE
V	VOLTS
A	AMPS
KW	KILOWATTS
W	WATTS
GFI	GROUND FAULT INTERRUPTOR
TYP.	TYPICAL
C	CONDUIT
GND	GROUND
RR	RATE OF RISE
SP	SUITE ALARM PANEL
EP	SUITE ELECTRICAL PANEL
AFCI	ARC FAULT CIRCUIT INTERRUPTOR
WP	WEATHERPROOF
F	FRIDGE
MW	MICROWAVE
DW	DISHWASHER
W/D	WASHER AND DRYER
R	RANGE
UC	UNDER COUNTER
RL	RELOCATED LOCATION
E	EXISTING TO REMAIN
ER	EXISTING TO BE REMOVED
RR	EXISTING TO BE REMOVED & RELOCATED

NOTE: NOT ALL SYMBOLS APPLY. CONTRACTOR TO REFER TO FLOOR PLANS.

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project

drawing

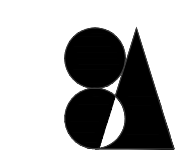
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date	2013/03/20	date
drawn	AW	dessine
date	2013/03/20	date
approved	SN	approve
date	2013/03/22	date
Tender	TENDER DATE	appel d'offres

contract number

7181418

drawing number

E001



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NOTES:

1- AS PART OF THE DEMOLITION CONTRACT, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED TO SUIT THE NEW LAYOUT AND MAKE SAFE. VISIT SITE TO DETERMINE THE EXACT REQUIREMENTS AND REFER TO DEMOLITION DRAWINGS.

2- THE ELECTRICAL CONTRACTOR IS TO MAKE GOOD ALL CORE HOLES FROM ELECTRICAL EQUIPMENT AND DEVICES DISCONNECTED, RELOCATED AND OR REMOVED IN THIS PROJECT.

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project

RENOVATION TO GOVERNMENT OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing

MAIN POWER & SYSTEMS PLAN - DEMOLITION

designed	MR	conçu
date	2013/03/20	date
drawn	AW	dessiné
date	2013/03/20	date
approved	SN	approuvé
date	2013/03/22	date
Tender	TENDER DATE	appel d'offres

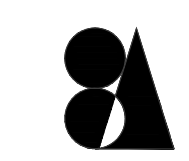
contract number

7181418

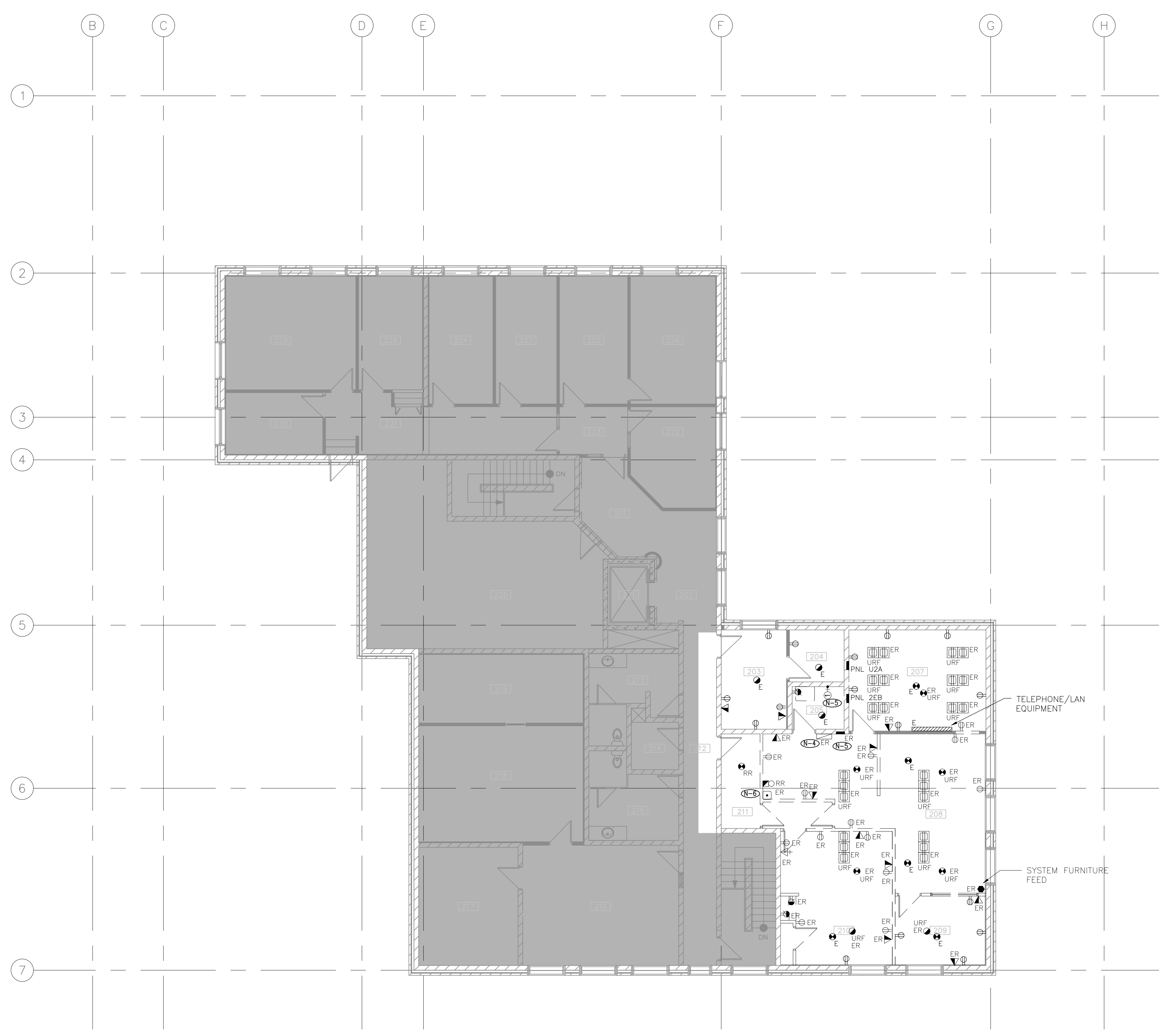
drawing number

E101

1 MAIN FLOOR POWER & SYSTEMS PLAN
SCALE : 1:100



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- NOTES:**
- 1-1 AS PART OF THE DEMOLITION CONTRACT, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED TO SUIT THE NEW LAYOUT AND MAKE SAFE. VISIT SITE TO DETERMINE THE EXACT REQUIREMENTS AND REFER TO DEMOLITION DRAWINGS.
 - 1-2 THE ELECTRICAL CONTRACTOR IS TO MAKE GOOD ALL CORE HOLES FROM ELECTRICAL EQUIPMENT AND DEVICES DISCONNECTED, RELOCATED AND OR REMOVED IN THIS PROJECT.
 - 1-3 ITEMS LABELED 'URF' ARE LOCATED UNDER RAISED FLOOR AND NEED TO BE SITE VERIFIED. ALL UNDERFLOOR ELECTRICAL EQUIPMENT INCLUDING FIRE ALARM TO BE REMOVED PRIOR TO THE INSTALLATION OF THE NEW FLOOR.
 - 1-4 ALLOW ALL COSTS TO REMOVE THE REMOTE GENERATOR ANNUNCIATOR PANEL. ALL CONDUIT AND CONDUCTORS TO BE REMOVED BACK TO SOURCE.
 - 1-5 ALLOW ALL COSTS TO REMOVE HANDICAP SIGNAL SYSTEM COMPLETE WITH BATHROOM PULL-STRING BACK TO SOURCE.
 - 1-6 ALLOW ALL COSTS TO REMOVE REMOTE SHUTDOWN BUTTON AND CONTACTOR SYSTEM FOR UPS PANEL U2A

01	ISSUED FOR TENDER	2013/05/08
number	revision	date

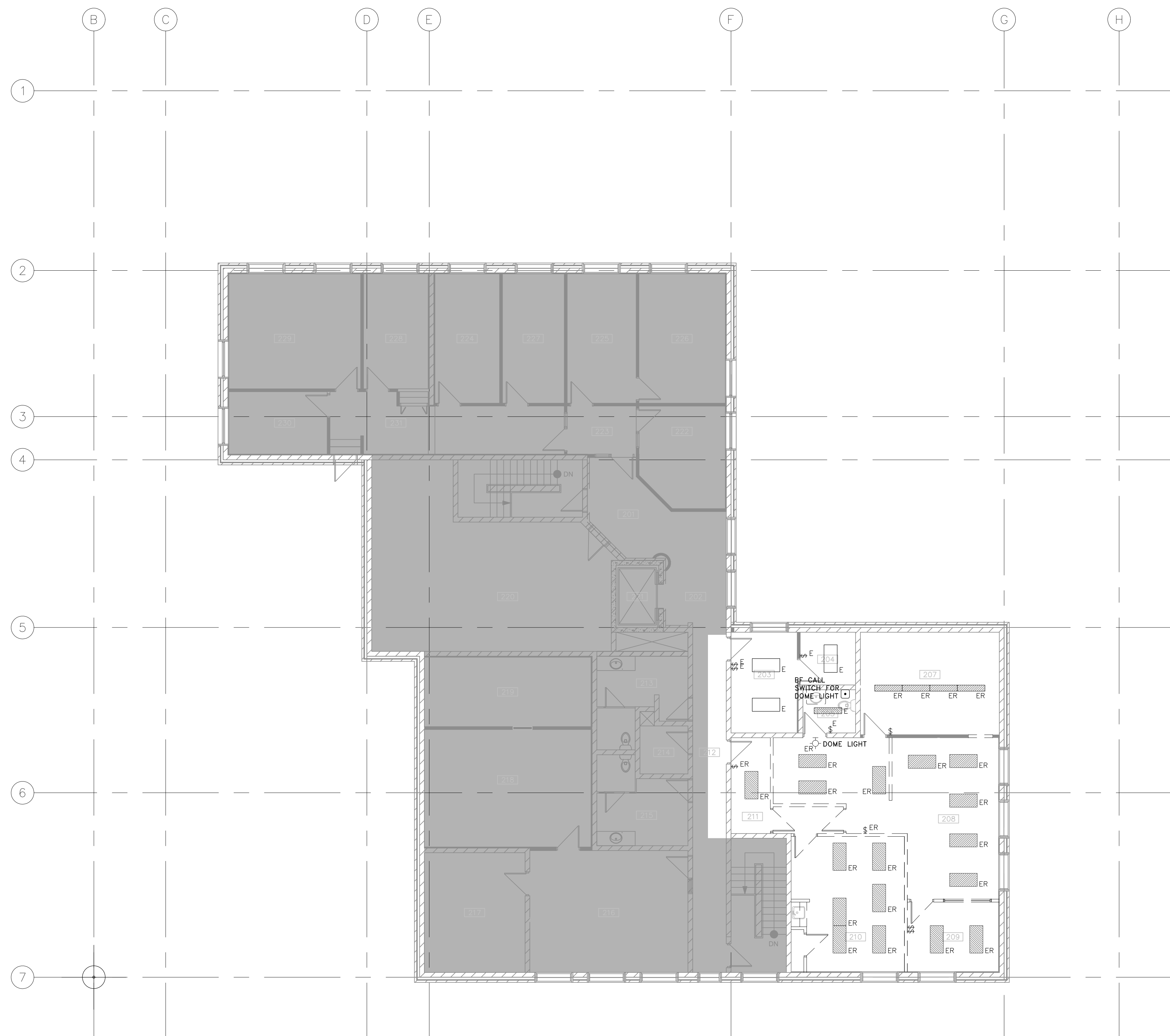
notes	note
project	project
RENOVATION TO GOVERNMENT OF CANADA BUILDING 4806 - 55 STREET, ST. PAUL, ALBERTA	

drawing	dessin
2ND POWER & SYSTEMS PLAN - DEMOLITION	

designed	MR	conçu
date	2013/03/20	date
drawn	AW	dessiné
date	2013/03/20	date
approved	SN	approuvé
date	2013/03/22	date
Tender	TENDER DATE	appel d'offres

contract number	7181418
drawing number	E103

1 2ND FLOOR POWER & SYSTEMS PLAN - DEMOLITION
SCALE : 1:100



NOTES:
 (E) AS PART OF THE DEMOLITION CONTRACT, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLOOR, COLUMN, CEILING, AND WALL MOUNTED POWER, TELEPHONE/DATA OUTLETS, CABLING AND CONDUIT NOT REQUIRED TO SUIT THE NEW LAYOUT AND MAKE SAFE. VISIT SITE TO DETERMINE THE EXACT REQUIREMENTS AND REFER TO DEMOLITION DRAWINGS.
 (S) THE ELECTRICAL CONTRACTOR IS TO MAKE GOOD ALL CORE HOLES FROM ELECTRICAL EQUIPMENT AND DEVICES DISCONNECTED, RELOCATED AND OR REMOVED IN THIS PROJECT.

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

number	revision	date

project project
**RENOVATION TO GOVERNMENT OF CANADA BUILDING
 4806 - 55 STREET,
 ST. PAUL, ALBERTA**

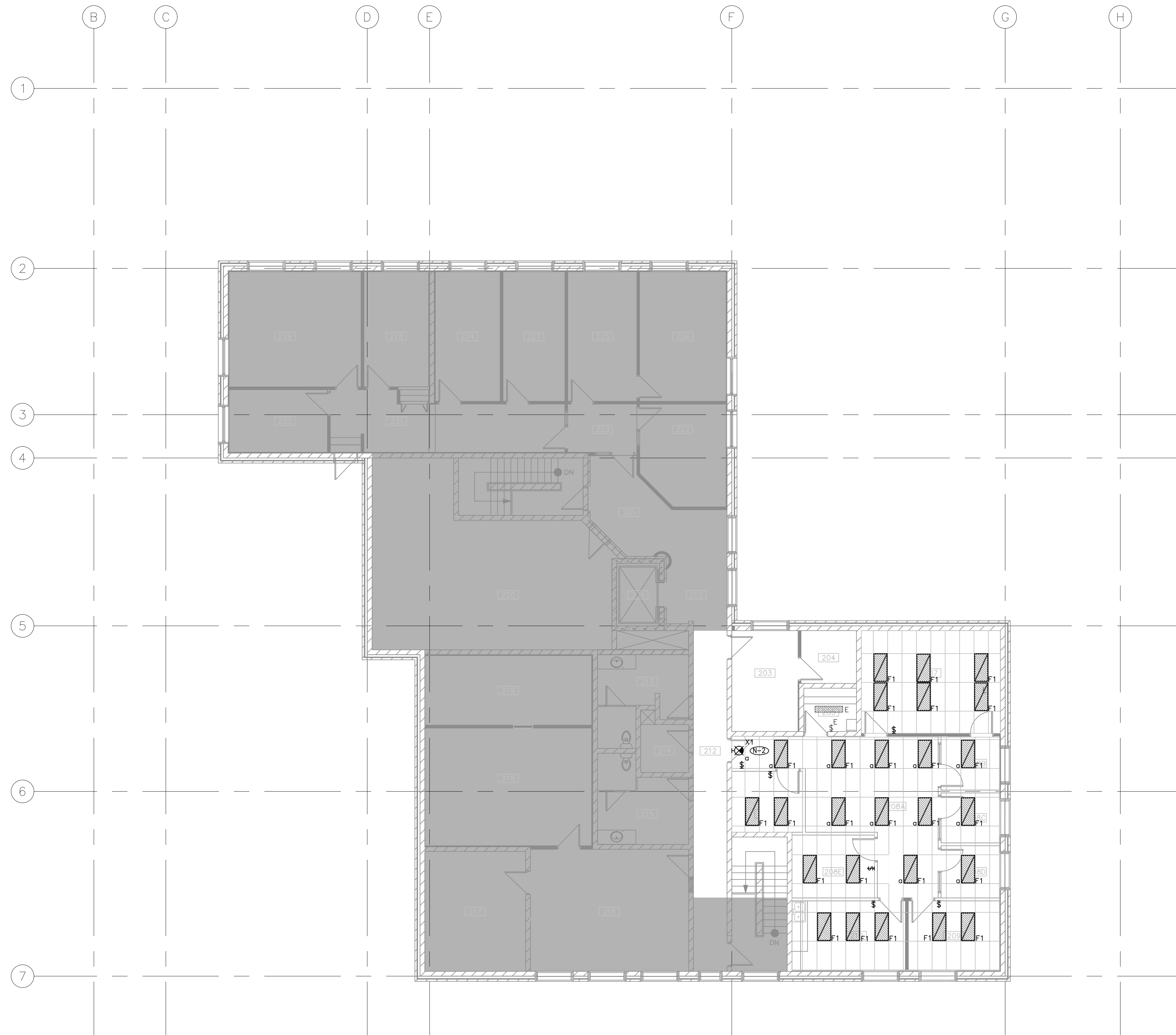
drawing dessin
**2ND LIGHTING PLAN -
 DEMOLITION**

designed	MR	conçu
date	2013/03/20	date
drawn	AW	dessiné
date	2013/03/20	date
approved	SN	approuvé
date	2013/03/22	date
Tender	TENDER DATE	appel d'offres

contract number
7181418

drawing number numero de dessin
E104

1 2ND FLOOR LIGHTING PLAN - DEMOLITION
 SCALE : 1:100



NOTES:
 1. REWIRE AND RECIRCUIT EXISTING LIGHT TROFFER SWITCHING TO ACCOMMODATE NEW LAYOUT DESIGN.
 2. CIRCUIT TO THE NEAREST EMERGENCY LIGHTING CIRCUIT. ENSURE CIRCUIT IS NOT OVERLOADED. ALLOW FOR THE TRIM/EXTEND CONDUIT AND CONDUCTORS.

1 2ND FLOOR LIGHTING PLAN - NEW CONSTRUCTION
 SCALE : 1:100

01	ISSUED FOR TENDER	2013/05/08
number	revision	date

number	revision	date	notes

project
 RENOVATION TO GOVERNMENT OF CANADA BUILDING
 4806 - 55 STREET,
 ST. PAUL, ALBERTA

drawing
**2ND LIGHTING PLAN -
 NEW CONSTRUCTION**

designed	MR	conçu
date	2013/03/20	date
drawn	AW	dessiné
date	2013/03/20	date
approved	SN	approuvé
date	2013/03/22	date
Tender	TENDER DATE	appel d'offres

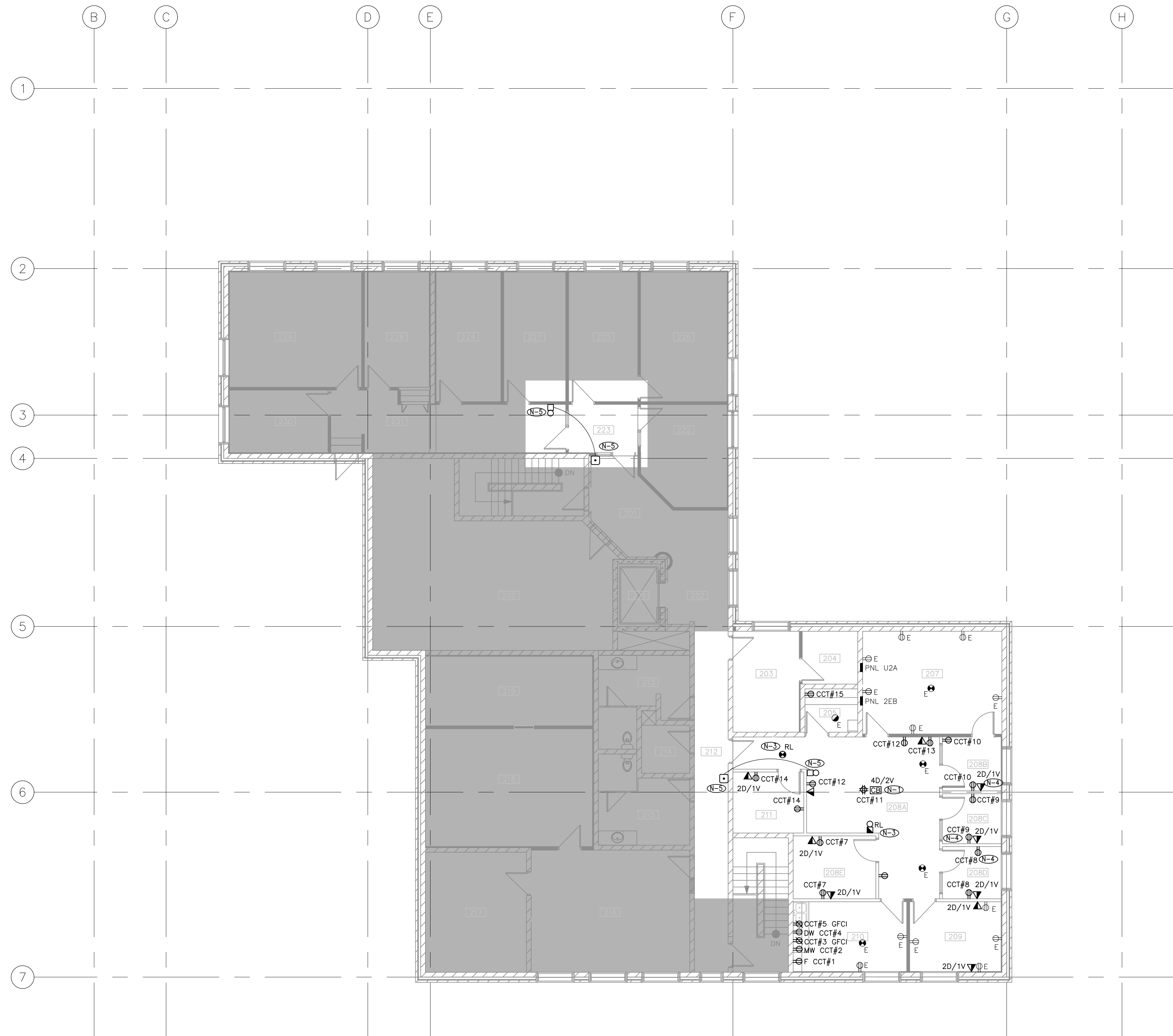
contract number
7181418

drawing number
E202



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NOTES:

- 1. PROVIDE AND INSTALL CEILING MOUNTED MUTO BOX FOR DATA/VOICE CABLES INDICATED ON DRAWINGS.
- 2. OBTAIN CIRCUITS FOR NEW RECEPTACLES SHOWN IN ROOMS FROM DEMOLITION. CIRCUITING LABELED AS CCT# TO INDICATE GENERAL CIRCUIT ARRANGEMENT AND IS INTENDED TO INDICATE THE LEVEL OF CIRCUIT SHARING BETWEEN RECEPTACLES.
- 3. EXTEND/TRIM CONDUIT AND CONDUCTORS TO RELOCATE FIRE ALARM DEVICES. MAINTAIN EXISTING NOTIFICATION ZONE. ALLOW FOR ALL COSTS TO REPROGRAM AND VERIFY THE FIRE ALARM SYSTEM.
- 4. CONDUIT RUNS FOR ELECTRICAL AND COMMUNICATION TO BE FED FROM BELOW IN NEW RAISED FLOOR. SEE ARCHITECTURAL DRAWINGS FOR MORE DETAILS.
- 5. PROVIDE AND INSTALL A COMPLETE OPERATIONAL DOOR BELL SYSTEM. DOOR BELL SYSTEM TO BE EDWARDS 730-6V AC OR APPROVED EQUIVALENT. PUSHBUTTON TO BE STAINLESS STEEL PLATE WITH WHITE PUSH BUTTON (EDWARDS 149-1). COORDINATE WITH ARCHITECT FOR EXACT LOCATION. CIRCUIT FROM NEAREST AVAILABLE PANELBOARD.

1 2ND FLOOR POWER & SYSTEMS PLAN - NEW CONSTRUCTION
SCALE : 1:100

number	revision	date
01	ISSUED FOR TENDER	2013/05/08

notes

project

RENOVATION TO GOVERNMENT
OF CANADA BUILDING
4806 - 55 STREET,
ST. PAUL, ALBERTA

drawing

**2ND POWER & SYSTEMS
PLAN - NEW
CONSTRUCTION**

designed	MR	conçu
date	2013/03/20	date
drawn	AW	dessiné
date	2013/03/20	date
approved	SN	approuvé
date	2013/03/22	date
Tender	TENDER DATE	appel d'offres

contract number

7181418

drawing number

E203