

Lake Louise Visitor Center Rehabilitation Code Analysis

Applicable Code
National Building Code of Canada 2015 (references below).
Alberta Building Code 2014 has also been reviewed.

- Occupant Load**
- 3.1.17.1 / Occupant load for renovated space is calculated as follows:
- 101 - Entry Vestibule: Occupancy calculation is 105 people (42 sq m / 0.4 sq m / person). As this occupancy is unlikely to occur given the intended use of the space, the occupancy will be limited to 60 people (maximum permitted in a space with a single exit per 3.4.2.1). Maximum occupancy to be posted and Parks Canada to monitor and enforce occupancy limit.
 - 102 - Welcome Space and 104 Visitor Space: Occupancy calculation is 687 people (275 sq m / 0.4 sq m / person). As this occupancy is unlikely to occur given the intended use of the space, the occupancy of the public areas of the building will be limited to 250 people. Maximum occupancy to be posted and Parks Canada to monitor and enforce occupancy limit.
 - 103 - Retail: 11 people (41 sq m / 3.7 sq m / person)
 - 105 - Info Desk: 8 people (basis of design)
 - 106 - Office: 1 person (basis of design)
 - 107 - Future Use: Unoccupied. Proposed future use to be office; however, future occupancy is unknown as it will depend on the design of the space.
 - 108 - Townsite Services: 3 people (10 sq m / 4.6 people / sq m).
- Total: 250 people

- 3.1.17.1 / Occupant load for office suite is calculated as follows:
- Office Suite: 25 people

Occupancy Classification
Existing building has two major occupancies, Visitor Centre (Group A, Division 2) and Office (Group D). Per 3.1.3.1 the major occupancies are separated by a 1-hour fire separation. Per 3.2.2.6 the most restrictive major occupancy applies to the whole building.

Renovation scope includes changing the use of a portion of the existing Group A Division 2 occupancy to accommodate a future Group D occupancy. A 1-hour fire separation will separate the future Group D occupancy from the Group A Division 2 occupancy.

- 3.2.2.25 / Building classification is Group A, Division 2, up to 2 Storeys.
- 1) Existing building is unsprinklered, one storey, facing one street, with an area of 1250 sq m, and
- 2) The building is permitted to be of combustible construction or noncombustible construction used singly or in combination, and
- a) floor assemblies shall be fire separations and, if of combustible construction, shall have a fire-resistance rating not less than 45 min,
- b) mezzanines shall have, if of combustible construction, a fire-resistance rating not less than 45 min,
- c) roof assemblies shall have, if of combustible construction, a fire-resistance rating not less than 45 min,
- d) loadbearing walls, columns and arches supporting an assembly required to have a fire-resistance rating shall i) have a fire-resistance rating not less than 45 min, or ii) be of noncombustible construction.

Fire Alarm and Detection Systems

3.2.4.1 / Based on the occupancy limits noted above, a fire alarm system is not required for the building. However, the existing building has a fire alarm system the Authority Having Jurisdiction would like to retain.

Provisions for Firefighting

3.2.5.7 / Water supply is provided with the existing fire hydrant. Contractor to review and confirm the supply is adequate.

Exits

3.4.2.1 / At least 2 exits are required.

3.4.2.3 / Distance between exits must be at least 1/2 the diagonal dimension of the floor area (required minimum dimension is 19m).

3.4.2.5 / Maximum travel distance to an exit is 30 m.

3.4.3.2 / Exit width required = 1525 mm (250 people X 6.1 mm). Exit width provided = 3960 mm (Door 101A: 2130 mm + Door 104A: 1830 mm).

Plumbing Facilities

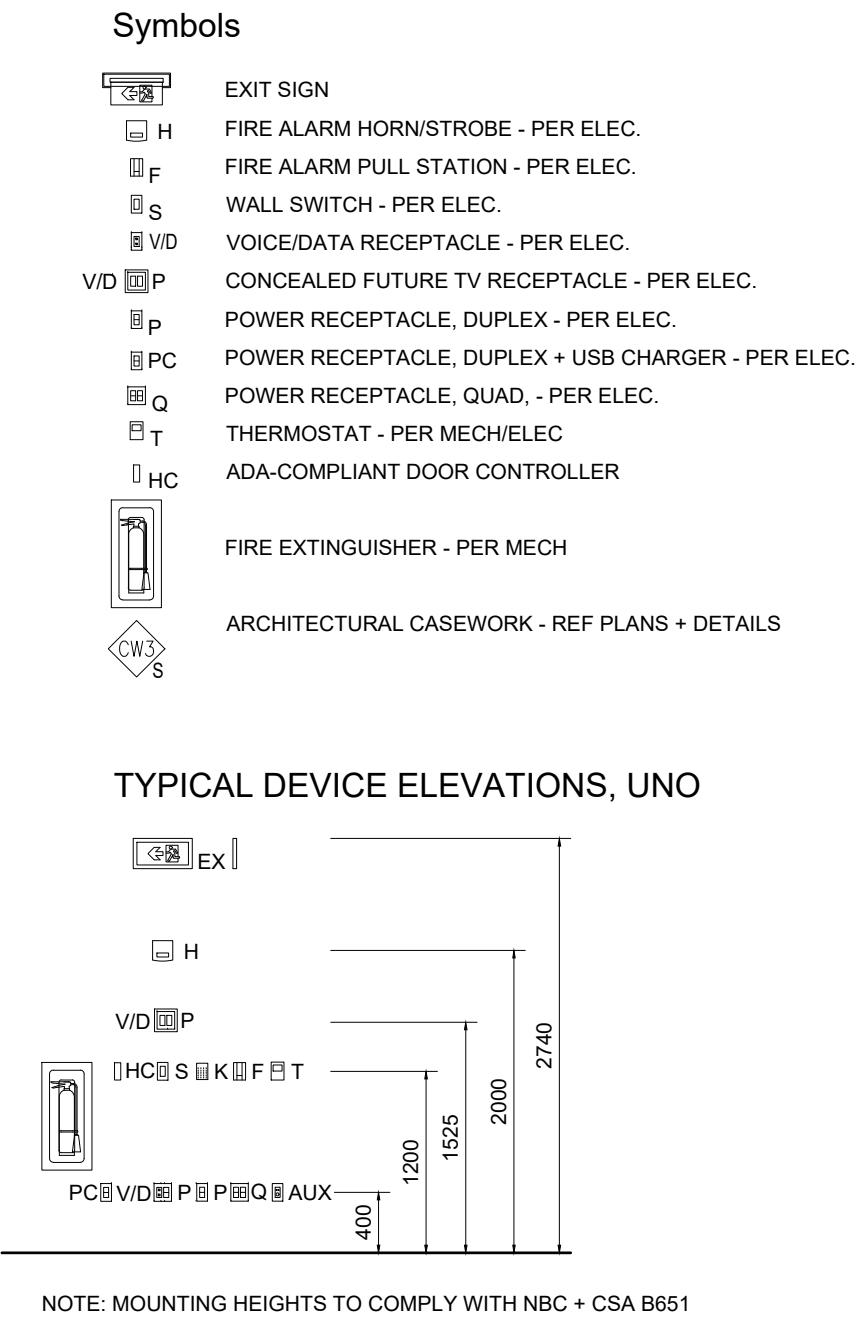
3.7.2.2 / Based on an occupancy load of 250 people (in the Visitor Centre occupancy), the W/C requirements are:

- 3 W/Cs for male (4 provided)
- 5 W/Cs for females (5 provided)

3.7.2.3 / Based on the above, lavatory requirements are:

- 2 lavs for male (2 provided)
- 3 lavs for females (3 provided)

Requirements for Persons with Disabilities
The project design meets code requirements for persons with disabilities.



Finish Symbols XX-X	
ACRONYM	DESCRIPTION / SYSTEM
CG-1	CIRCULAR COLUMN COVER PAINTED
CONC-EX	EXISTING CONCRETE
CW-1	CURTAIN WALL SYSTEM
ES	EXPOSED STRUCTURE
FEC-1	FIRE EXTINGUISHER CABINET
GL-1	6mm SINGLE PANE GLASS
GL-2	13mm TEMPERED / LAMINATED SAFETY GLASS
GL-3	DOUBLE INSULATED GLASS UNITS
GL-4	FIRE RATED WIRED SAFETY GLASS
GWB	GYPSUM WALL BOARD (TYPE-X)
GREY	PAINT GREY
PC-1	PRECAST CONCRETE
PLWD-1	PLYWOOD - FIRE RESISTANT TREATED
PLAM-#	PLASTIC LAMINATE
SACP-#	SOUND ABSORBING CEILING PANEL
SLDS-1	SOLID SURFACING
SLR-#	SEALER
SST-1	#4 BRUSHED STAINLESS STEEL
THR-#	ALUMINUM THRESHOLD
WC-A	INTERIOR WOOD CEILING - SLATS
WOG-1	WALK-OFF GRILLE

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NOTES

1.

5	2018-10-05	ISSUED FOR TENDER	KY	GB
4	2018-09-21	99% PROGRESS	KY	GB
3	2018-09-07	90% PROGRESS	KY	GB
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PATKAU ARCHITECTS INC.				

A

B

Detail number
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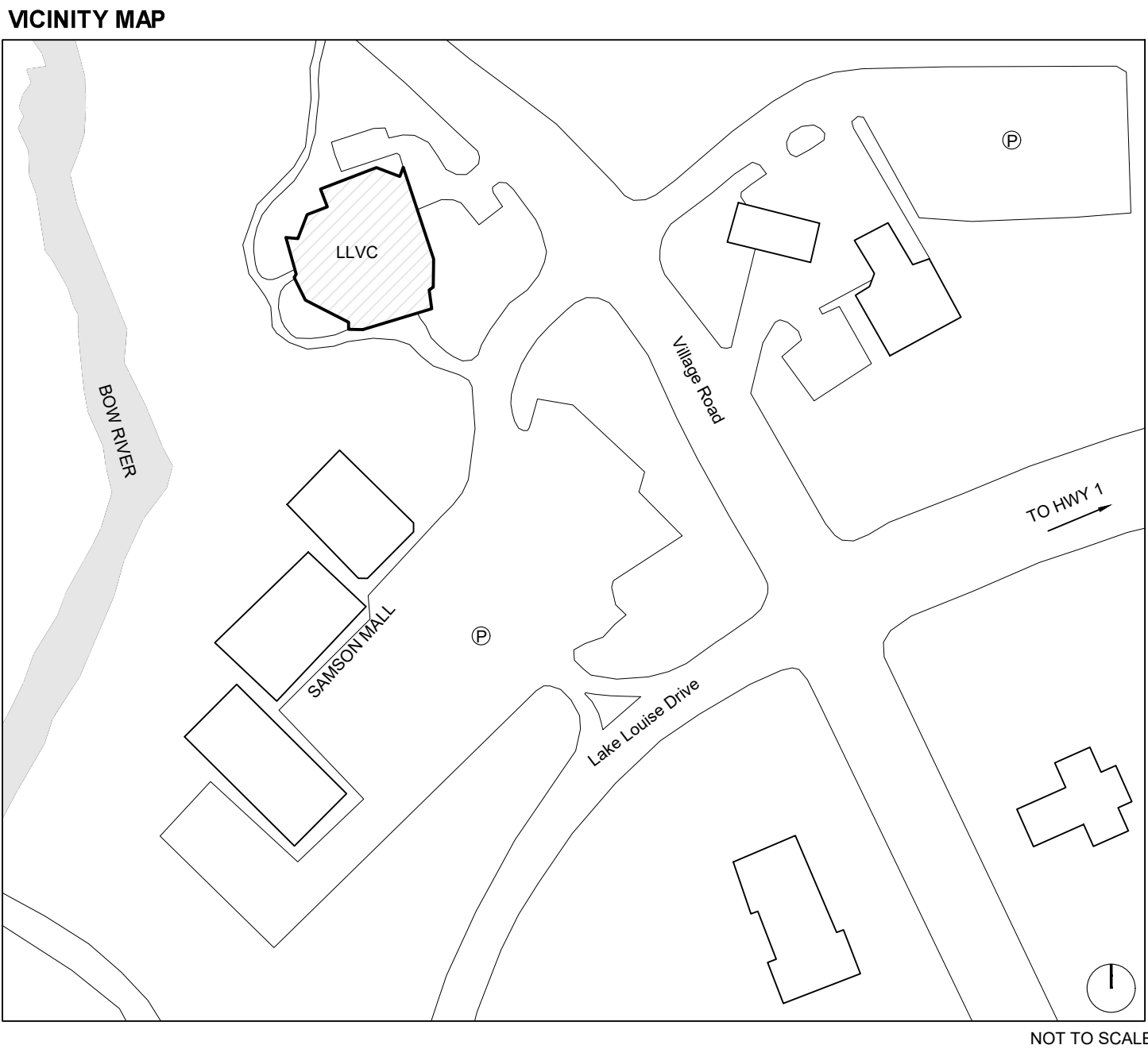
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Ceiling Schedule

Anno	Assembly
C-101	hanger wire suspended from roof deck or metal framing 38 mm metal channels at 1220 o/c 38 mm metal furring channel at 406 mm o/c 16 mm gypsum board
C-102	2x4 wood strapping 600 o.c. 25mm duct liner (black) non-woven fabric (black) 13x25mm strapping (black) 38 x 140 mm wood blades at 200 mm o/c
C-103	25 mm duct liner mechanically fastened to roof deck hanger wire suspended from roof deck 38 mm metal channels at 1220 o/c 38 mm metal furring channel at 406 mm o/c 13x25mm strapping (black) 38 x 140 mm wood blades at 200 mm o/c paint all visible construction above ceiling black
C-104	metal framing (refer to Structural) 19 mm sheathing grade plywood 16 mm gypsum board

Partition Schedule

Anno	Assembly	Notes
101	16 mm gypsum board 152 mm metal studs at 406 mm o/c 16 mm gypsum board	
102	16 mm gypsum board 152 mm metal studs at 406 mm o/c	
103	16 mm gypsum board 92 mm metal studs at 406 mm o/c 16 mm gypsum board	
104	16 mm type-x gypsum board 152 mm metal studs at 406 mm o/c 16 mm type-x gypsum board	1 hour fire rating when constructed per UL U423
105	16 mm gypsum board 38 mm metal furring channel at 406 mm o/c	
106	16 mm type-x gypsum board 64 mm C-H Studs at 610 o.c. 26 mm gypsum liner panel	1 hour fire rating when constructed per ULC Des W452, System A
107	16 mm gypsum board 92 mm metal studs at 406 mm o/c 9 mm plywood shim strips 16 mm gypsum board	
"P" suffix 19 mm sheathing grade plywood layer under gypsum board on display side of scheduled assembly to 2.4 m above finish floor / above 2.4m 19mm plywood furring straps		
"G" suffix 16 mm additional gypsum board on Vestibule side of scheduled assembly full height		

Architectural Cabinetwork Schedule

Anno	Description	Notes
MV-1	Information Desk	Solid fir top and sides with fir plywood cabinets
MV-2	Storage Cabinet	HDPL plastic countertop and cabinet
MV-3	Raidator Enclosure + Counter	Solid fir countertop with HDLP panel
MV-4	Counter/Desk	HDPL plastic countertop

Room Finish Schedule

Anno	Name	Floor (refer to A4.2 for extents)	Walls (see note 2. below)	Base (see note 1. below)	Ceiling
101	Entry Vestibule	sealed exposed aggregate concrete foot grille	painted gypsum board sealed concrete	painted wood, flush no base at concrete wall	painted gypsum board
102	Welcome Space	sealed exposed aggregate concrete	painted gypsum board existing rock replica display	painted wood, flush	wood ceiling panel, paint out black all visible above
103	Retail	tile over existing slab on grade, joints to align with existing sawcuts	painted gypsum board	painted wood, flush	wood ceiling panel, paint out black all visible above
104	Visitor Space	sealed exposed aggregate concrete	painted gypsum board sealed concrete existing rock replica display	painted wood, flush no base at concrete wall	wood ceiling panel, paint out black all visible above
105	Info Desk	sealed exposed aggregate concrete	painted gypsum board existing rock replica display	painted wood, flush	painted gypsum board
106	Office	sealed exposed aggregate concrete	painted gypsum board, west wall to match accent wall colour on composite elevation 2/A2.2	painted wood, flush	painted gypsum board
107	Future Use	unfinished concrete	primed for future painting	rubber base	unpainted open structure
108	Townsite Service	sealed exposed aggregate concrete	painted gypsum board	painted wood, applied	painted gypsum board (white)
109	South Vestibule	foot grille, retain existing	retain existing	painted wood, flush, no base at concrete wall	painted gypsum board (white)
110	Storage	tile	painted gypsum board	painted wood, flush	painted gypsum board (white)

Notes:

- no bases on concrete walls
- all drywall to be painted white unless otherwise noted.

Door Schedule



Anno	Door	Door Frame	Door Dimensions (w x h x t)	Hardware	Notes	Fire Rating
101A	narrow stile glazed thermal entrance	curtain wall (51 x 152)	1065 x 2135 x 57	Hinge: Hager 780-11HD Continuous Panic Hardware: CRL Blumcraft, PA 100F (Handle F), c/w keyed cylinder Finish: Brushed Stainless Threshold: Pemco 253x4_FG + 229 Saddle Threshold as req. to negotiate existing conditions, Pemco 256 Half Saddle Threshold at curtain wall Operator: Stanley Magic Force (Automatic opener housing concealed within window frame) Door Activation Device: Camden CM25 Narrow Push Plate (both sides) Door Contact: GE1078W Weather-stripping by door manufacturer		N/A
102A	automated glass sliding door	storefront (51 x 152)	2120 x 2100 clear opening	Lock: Electric solenoid lock tied to fire alarm system on sliding doors	frame opening = 4267 x 2337	N/A
103A	all glass, top + bottom pivot swing door	storefront (51 x 152)	915 x 2745 x 25	Hinge: Bottom pivot, top closer CRL Jackson overhead door closer, adjustable, 90 degree hold open. Handle: AssaAbohy 1 1/4" RM3301-630 (Stainless Steel) Threshold: 157_Pemco Half Saddle/Offset Saddle	2 frameless doors in glazed opening	N/A
103B	paint-grade solid core sliding door to match adjacent wall colour	none	1000 x 2895 x 45	Sliding door hardware: CN Crowder C-205-4 Hanger Handle: Flush pull, Ives 221 B26D by Schlage (Satin Chrome)	chamfer jamb of door to match angled wall on closing side	N/A
104A	narrow stile glazed thermal entrance	storefront (51 x 152)	915 x 2440 x 57	Hinge: Hager 780-11HD Continuous Panic Hardware: CRL Blumcraft, PA 100F (Handle F), Finish: Brushed Stainless Threshold: Pemco 270_Saddle Threshold Door Contact: GE1078W		N/A
106A	solid painted hollow metal door to match adjacent wall colour	painted steel (51 wide)	915 x 2135 x 45	Hinge: Hager AB700 Passage set: Schlage L9040 x 03 Closer: Allegion LCN4040XP CUSH	Mount closer on 107 side, maximum 19mm clearance under 3/4 hr bottom of door per NFPA 4.8.4.1	
107A	solid painted hollow metal door to match adjacent wall colour	painted steel (51 wide)	1525 x 2135 x 45	Hinge: Hager AB700 Active leaf: Schlage L9040 x 03 Inactive leaf: Ives by Schlage Manual Flushbolt FB458 top and bottom, c/w Ives DP1 dust proof strike epoxied into new concrete slab Closer: Allegion LCN4040XPRegular, powdercoat alminum Stop: Inox DSIX04, satin stainless steel	2 leafs (915 + 610), Mount closer on 107 side, maximum 19mm clearance under bottom of door per NFPA 4.8.4.1	3/4 hr
108A	glazed painted hollow metal door to match adjacent wall colour	painted steel (51 wide)	915 x 2135 x 45	Hinge: Hager AB700 Passage set: Schlage CO-100-MS/MD Keypad Programmable Lock, Tubular Style Lever, 626 (Satin Chrome) Closer: Allegion LCN4040XP Regular, powdercoat alminum Stop: Inox DSIX04, satin stainless steel Lock: Allegion LY9453	0.8 sq m wired glass, Mount closer on 108 side, maximum 19mm clearance under bottom of door per NFPA 4.8.4.1	3/4 hr

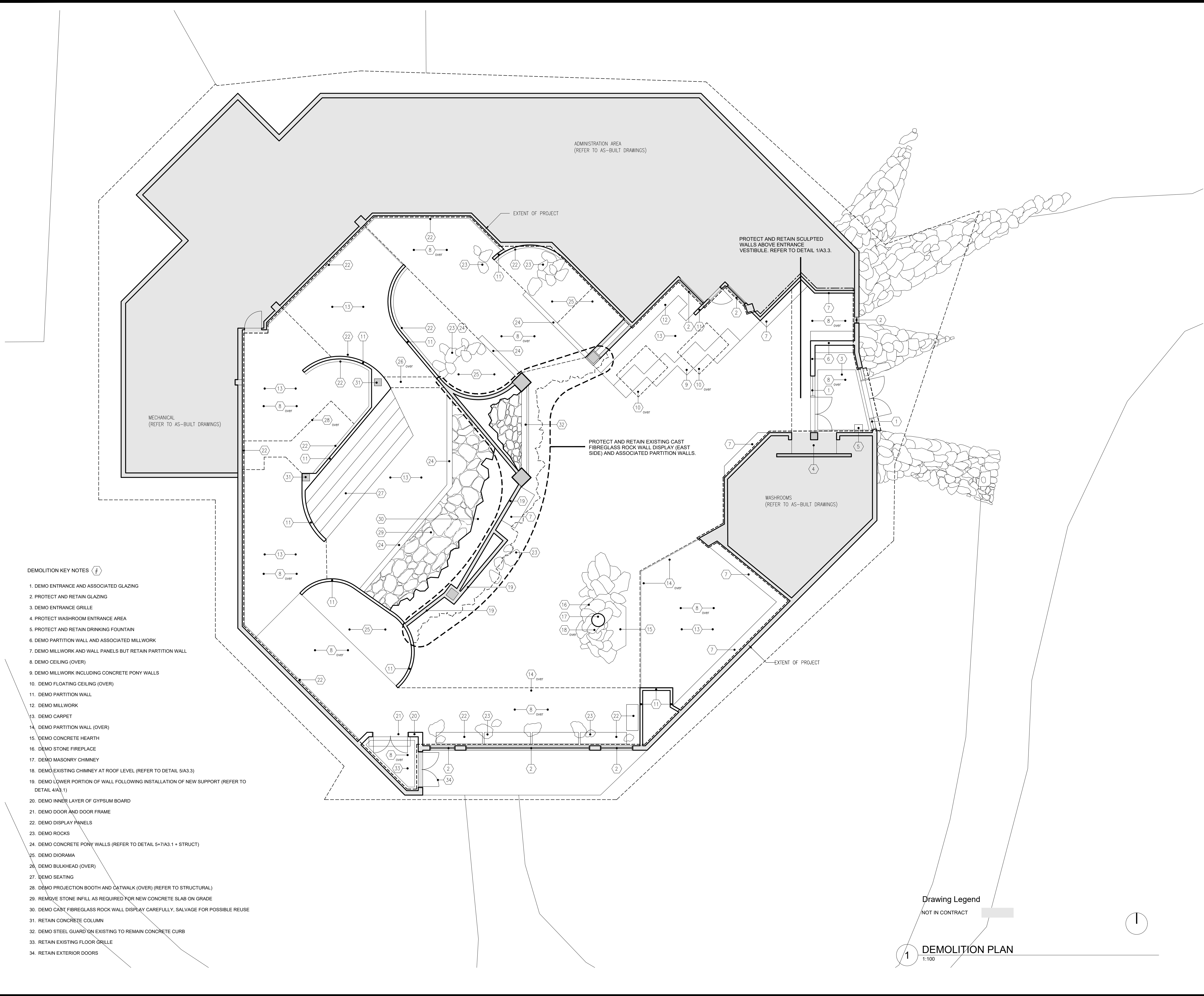
Notes:

All handles, pulls, latches or locks shall be mounted between 900mm and 1100mm from the floor as per the current addition of CSA B651-12
All hardware as specified or approved equal.
All glass in doors to be tempered safety glass.
Provide detailed hardware schedule based on the descriptions provided in the above schedule.

NOTES

1.

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SCHEDULES				
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DEMOLITION KEY NOTES ⁽¹⁾

1. DEMO ENTRANCE AND ASSOCIATED GLAZING
2. PROTECT AND RETAIN GLAZING
3. DEMO ENTRANCE GRILLE
4. PROTECT WASHROOM ENTRANCE AREA
5. PROTECT AND RETAIN DRINKING FOUNTAIN
6. DEMO PARTITION WALL AND ASSOCIATED MILLWORK
7. DEMO MILLWORK AND WALL PANELS BUT RETAIN PARTITION WALL
8. DEMO CEILING (OVER)
9. DEMO MILLWORK INCLUDING CONCRETE PONY WALLS
10. DEMO FLOATING CEILING (OVER)
11. DEMO PARTITION WALL
12. DEMO MILLWORK
13. DEMO CARPET
14. DEMO PARTITION WALL (OVER)
15. DEMO CONCRETE HEARTH
16. DEMO STONE FIREPLACE
17. DEMO MASONRY CHIMNEY
18. DEMO EXISTING CHIMNEY AT ROOF LEVEL (REFER TO DETAIL 5/A3.3)
19. DEMO LOWER PORTION OF WALL FOLLOWING INSTALLATION OF NEW SUPPORT (REFER TO DETAIL 4/A3.1)
20. DEMO INNER LAYER OF GYPSUM BOARD
21. DEMO DOOR AND DOOR FRAME
22. DEMO DISPLAY PANELS
23. DEMO ROCKS
24. DEMO CONCRETE PONY WALLS (REFER TO DETAIL 5+7/A3.1 + STRUCT)
25. DEMO DIORAMA
26. DEMO BULKHEAD (OVER)
27. DEMO SEATING
28. DEMO PROJECTION BOOTH AND CATWALK (OVER) (REFER TO STRUCTURAL)
29. REMOVE STONE INFILL AS REQUIRED FOR NEW CONCRETE SLAB ON GRADE
30. DEMO CAST FIBREGLASS ROCK WALL DISPLAY CAREFULLY, SALVAGE FOR POSSIBLE REUSE
31. RETAIN CONCRETE COLUMN
32. DEMO STEEL GUARD ON EXISTING TO REMAIN CONCRETE CURB
33. RETAIN EXISTING FLOOR GRILLE
34. RETAIN EXTERIOR DOORS

Drawing Legend
NOT IN CONTRACT

1 DEMOLITION PLAN
1:100

NOTES

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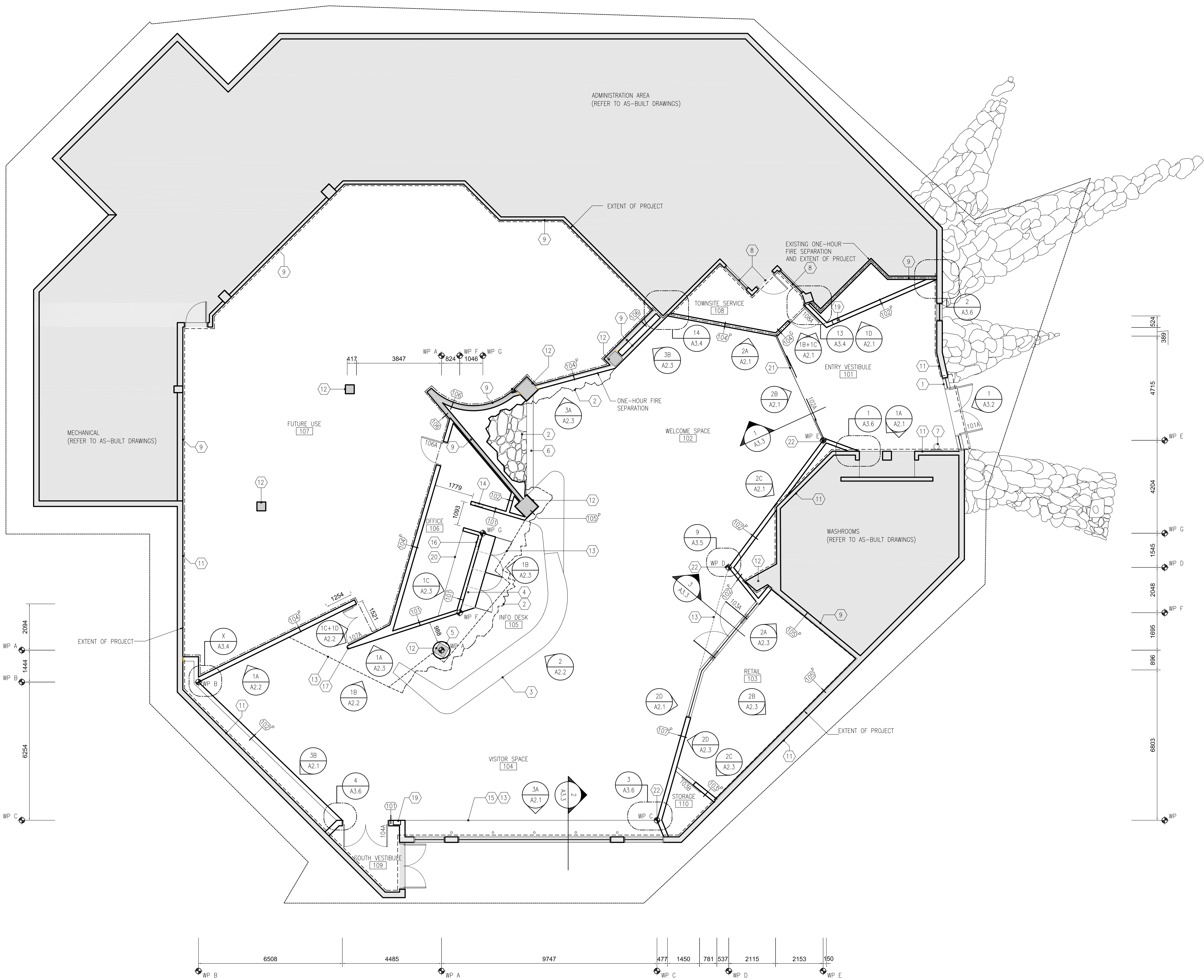
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0079.02		

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Drawing Legend
NOT IN CONTRACT

1 FLOOR PLAN
1:100

NOTES

1.

PLAN KEY NOTES

1. EXISTING GLAZING AND DOOR TO BE REPLACED
2. EXISTING ROCK WALL FEATURE TO REMAIN
3. INFORMATION DESK (MW-1) CONFIRM EXACT LOCATION ON SITE WITH DEPARTMENTAL REPRESENTATIVE
4. CABINET (MW-2) STORAGE CABINET
5. CIRCULAR COLUMN COVER, PAINTED
6. CONCRETE CURB, EXISTING TO REMAIN
7. WATER FOUNTAIN, EXISTING TO REMAIN
8. EXISTING INTERIOR GLAZING AND DOOR TO REMAIN
9. EXISTING STUD FRAMED WALL, REFER TO AS-BUILT DRAWINGS.
10. NOT USED
11. EXISTING CONCRETE WALL, REFER TO AS-BUILT DRAWINGS.
12. EXISTING CONCRETE COLUMN, REFER TO AS-BUILT DRAWINGS.
13. FACE OF BULKHEAD WALL (ABOVE)
14. ELEC. PANEL, PER ELEC.
15. HEATER ENCLOSURE (MW-3)
16. LIGHTING CONTROL PANEL, PER ELEC
17. ALUMINUM BULL-NOSE CORNER
18. NOT USED
19. FIRE EXTINGUISHER CABINET
20. DESK (MW-4)
21. BEAM (ABOVE) PER STRUCT.
22. CROSS REFERENCE WORK POINT C, D, AND E WITH A4.1. WALL ANGLE ALIGNS WITH BEAM ABOVE.

5	2016-10-05	ISSUED FOR TENDER	KY	GB
4	2016-09-21	99% PROGRESS	KY	GB
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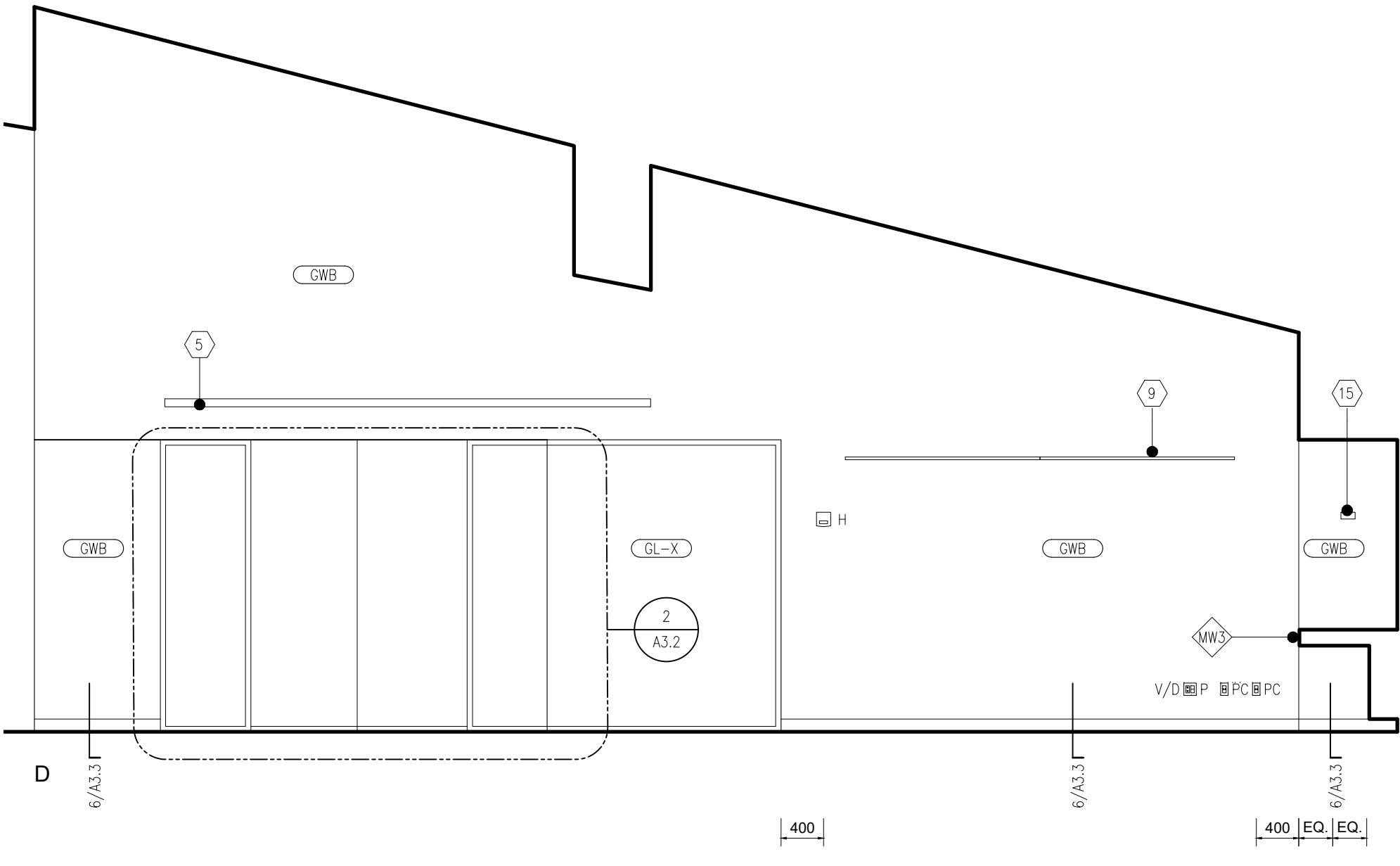
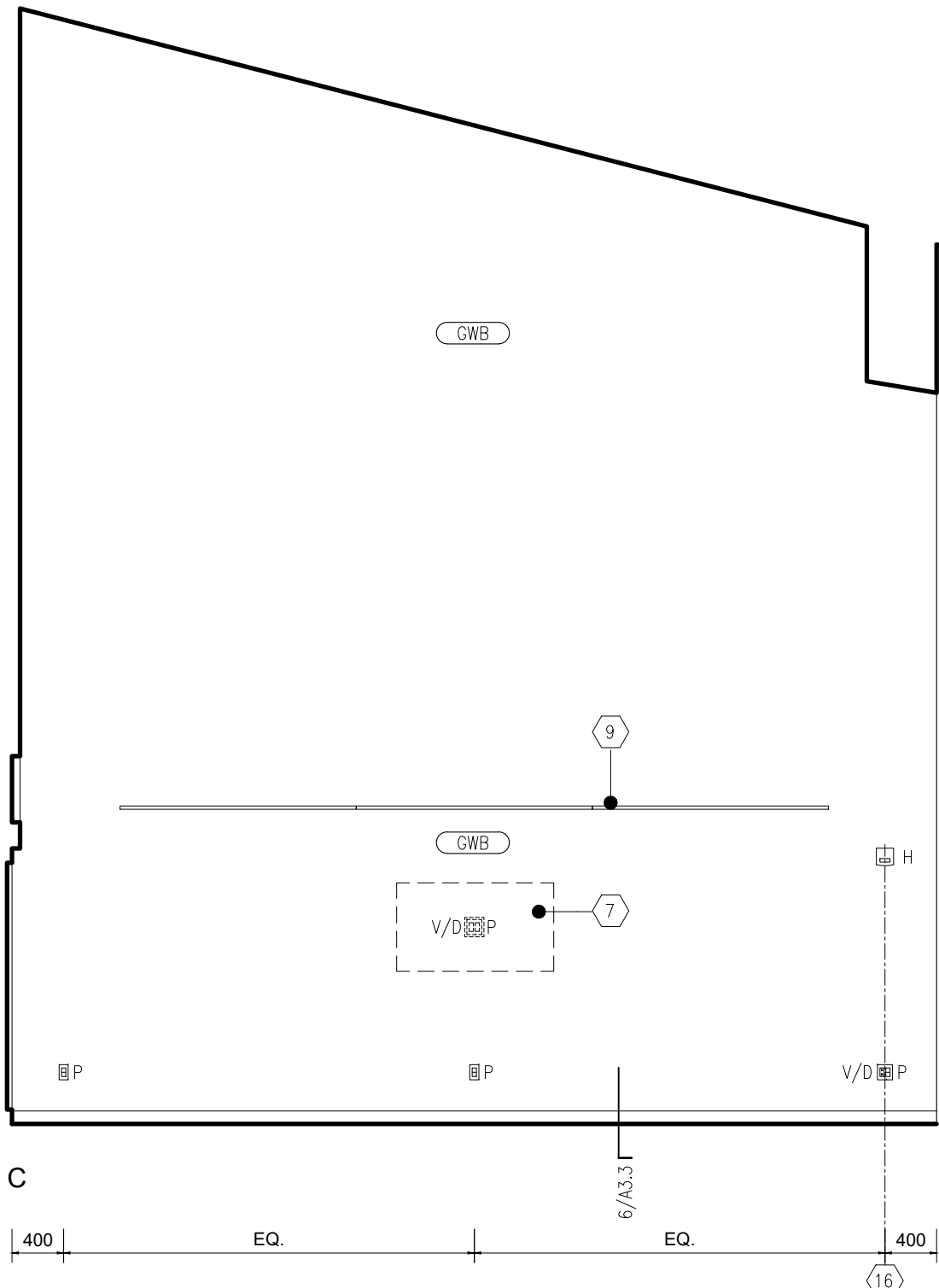
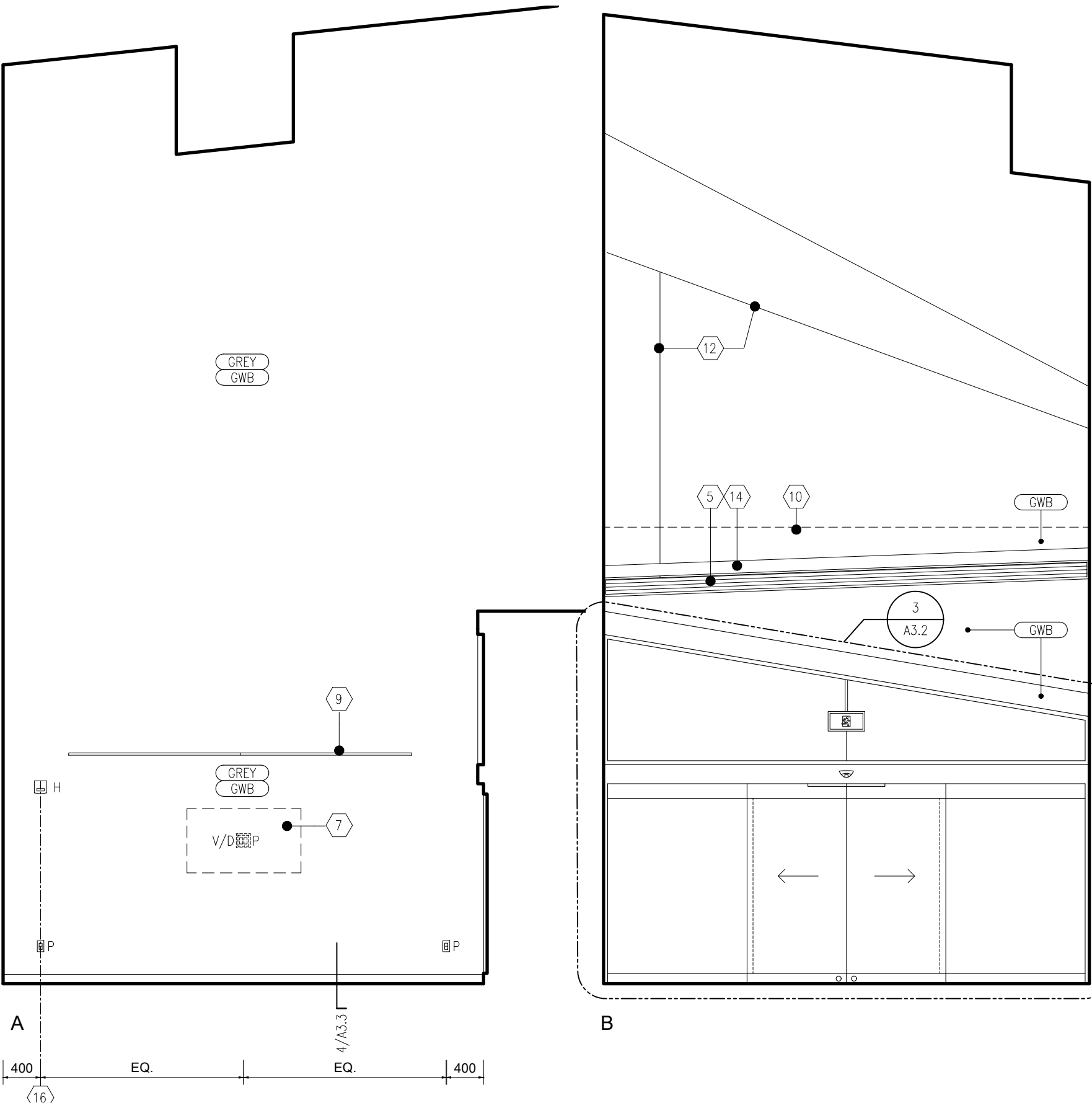
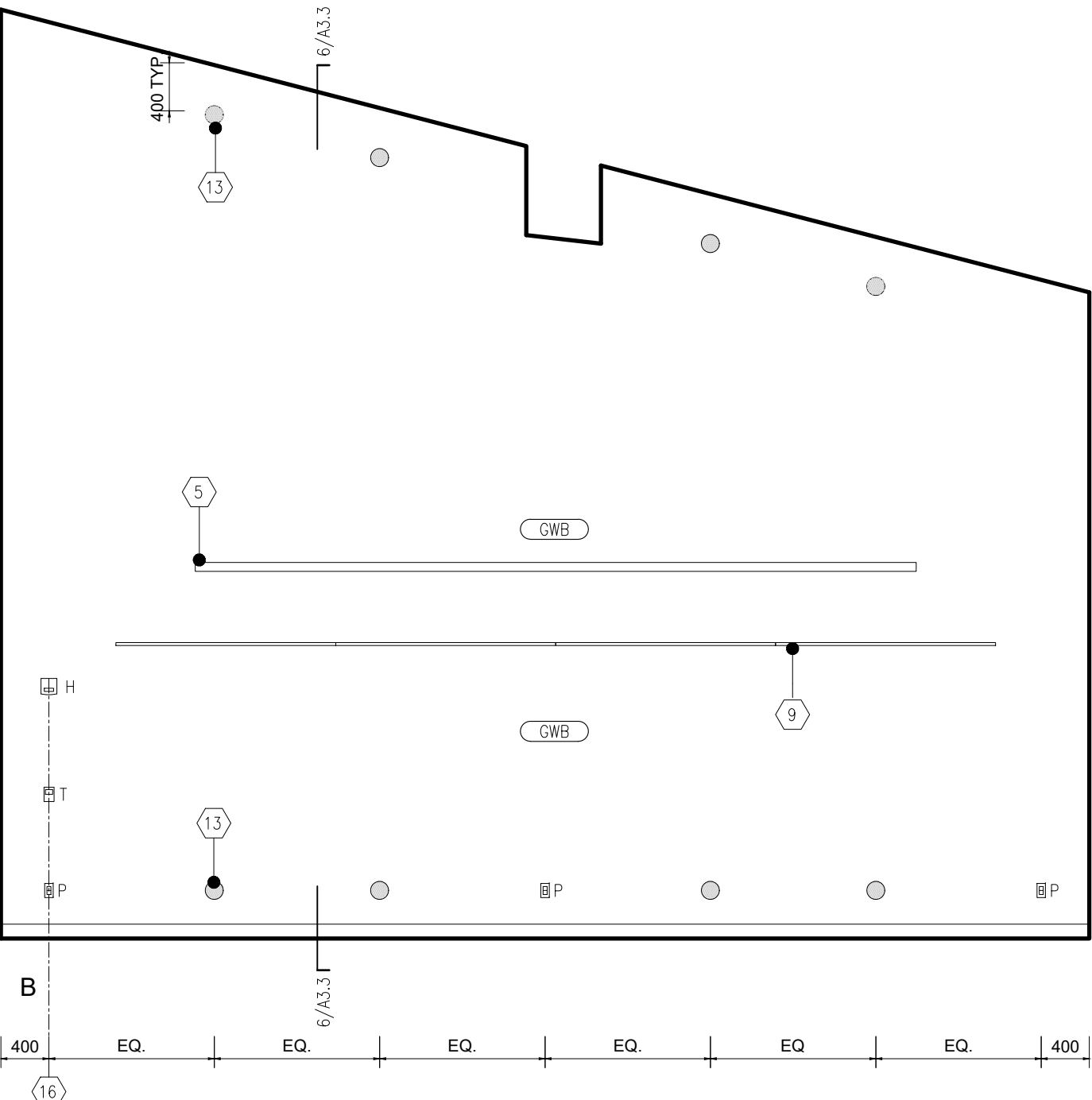
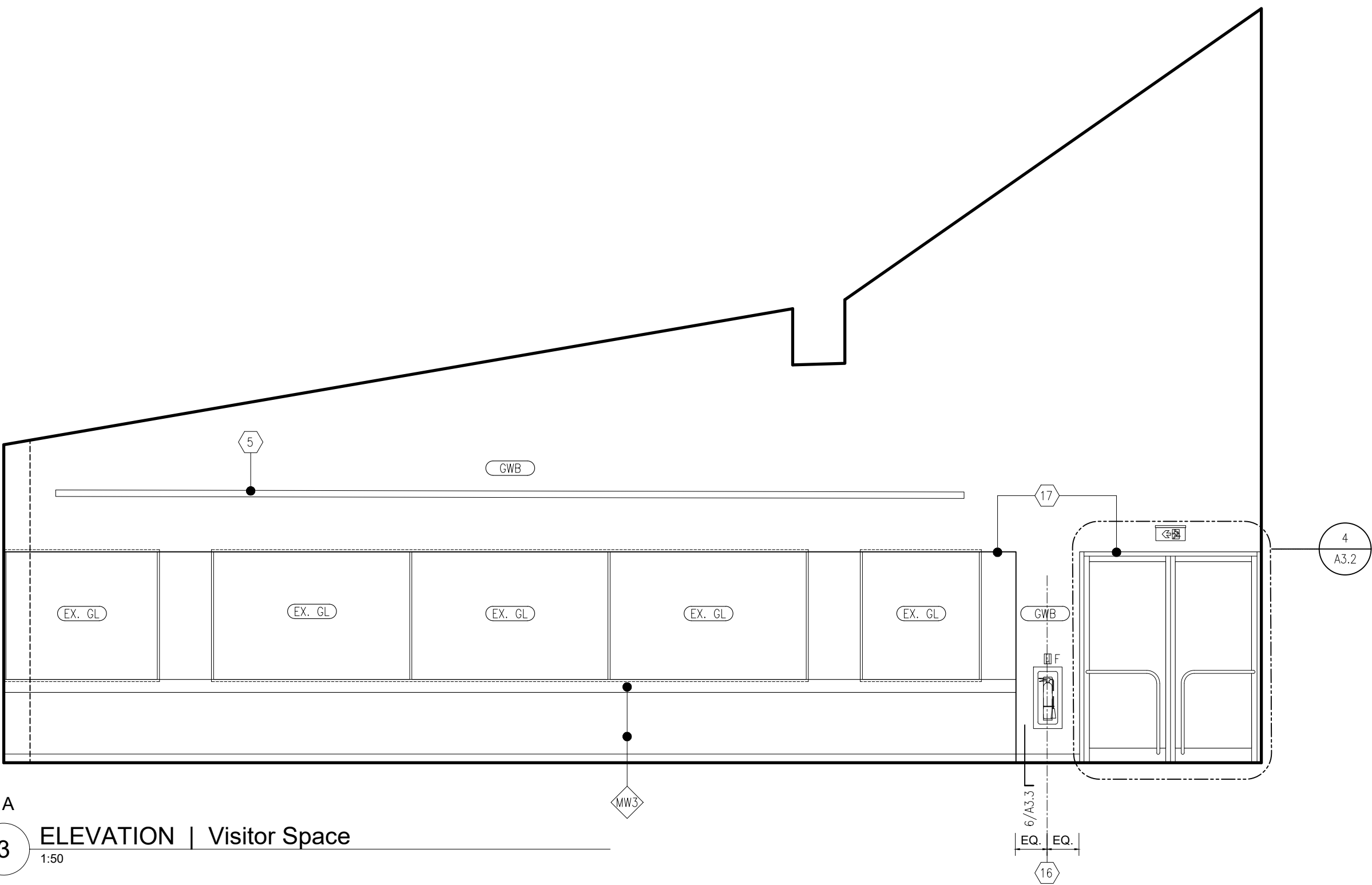
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FLOOR PLAN

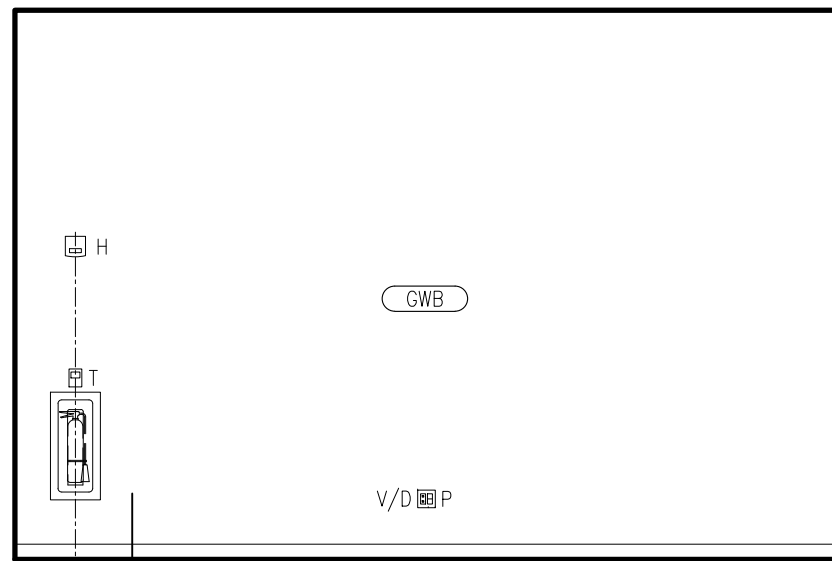
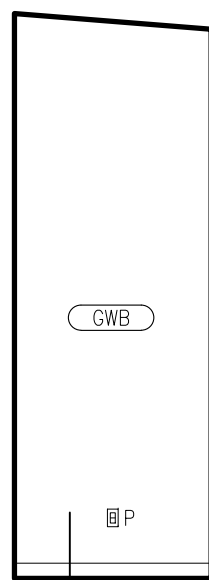
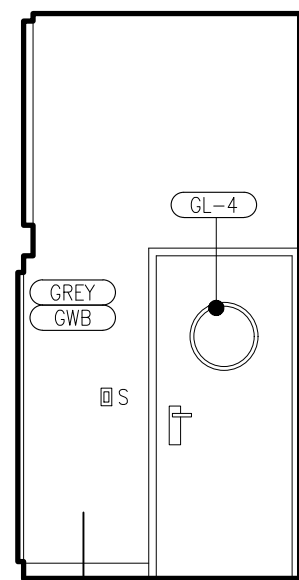
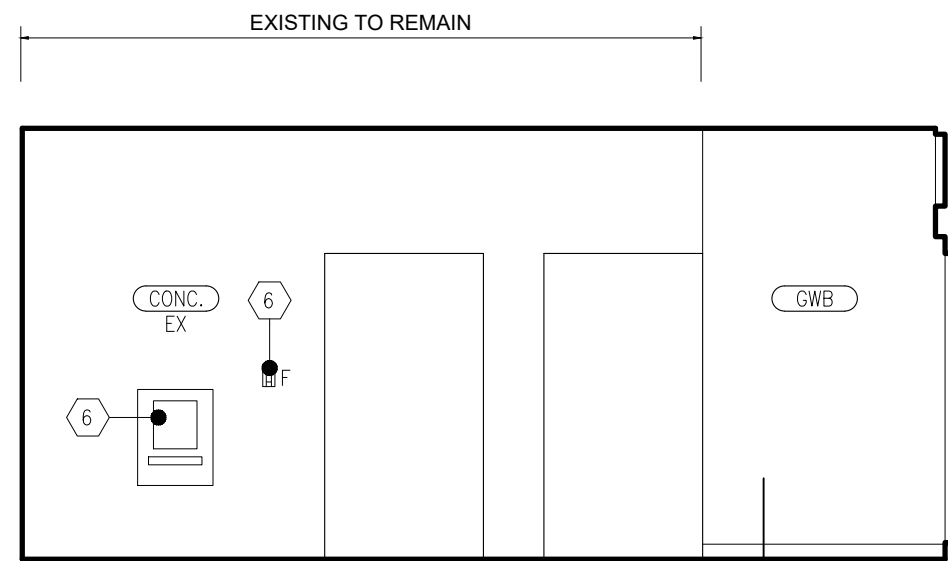
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3 ELEVATION | Visitor Space
1:50



1 ELEVATION | ENTRY VESTIBULE
1:50

NOTES

1.

INTERIOR ELEVATION KEY NOTES

- INFO DESK (MW-1)
- REMOVE FIBERGLASS ROCK REPLICA
- CONFIRM LOCATION / HEIGHT / EXTENT
OF DEMOLITION FOR ROCK WALL WITH
DEPARTMENTAL REPRESENTATIVE
- CUSTOM RADIUS BASE TO MATCH RADIUS WALL
- MILLWORK (NOT IN CONTRACT)
- GRILLE PER MECH 3050 A.F.F. UNLESS OTHERWISE NOTED
- EXISTING TO REMAIN
- 55" TV (NOT IN CONTRACT)
- CLAD COLUMN (BEHIND)
- EXHIBIT LIGHTING PER ELEC 2440 A.F.F. UNLESS OTHERWISE NOTED
- PATCH AND REPAIR WALL AS REQ.
- RADIUS DRYWALL CORNER
- PAINT EXISTING DRYWALL
- GRILLE PER MECH
- NEW BULKHEAD TO MATCH SLOPE OF EXISTING.
RAISE ELEVATION AS REQUIRED TO ACCOMMODATE
NEW DUCT WORK PER MECH. CONFIRM PROPOSED
ELEVATIONS WITH DEPARTMENTAL REPRESENTATIVE
BEFORE FRAMING BULKHEAD.
- RELOCATED STATIC PRESSURE SENSOR PER MECH
- ALIGN DEVICES VERTICALLY
- ALIGN HEADER OF DOOR WITH U/S OF DRYWALL BULKHEAD

5	2018-10-05	ISSUED FOR TENDER	KY	GB
4	2018-09-21	99% PROGRESS	KY	GB
3	2018-09-07	90% PROGRESS	KY	GB
2	2018-08-07	60% PROGRESS	KY	GB
1	2018-05-18	30% PROGRESS	PW	GB
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

Consultant's Name
Nom de l'expert-conseil

PATKAU ARCHITECTS INC.

A
B

Detail number
Sheet number

A Numéro de détail
B Numéro de la feuille

Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Eng. Stamp
Sceau de l'ingénieur



Parks Canada
Strategic Asset
Management,
Western and Northern
Region

Parcs Canada
Gestion Stratégique
des Biens,
Région de l'Ouest et
du Nord

Canada

Drawing title/Titre du dessin

INTERIOR ELEVATIONS

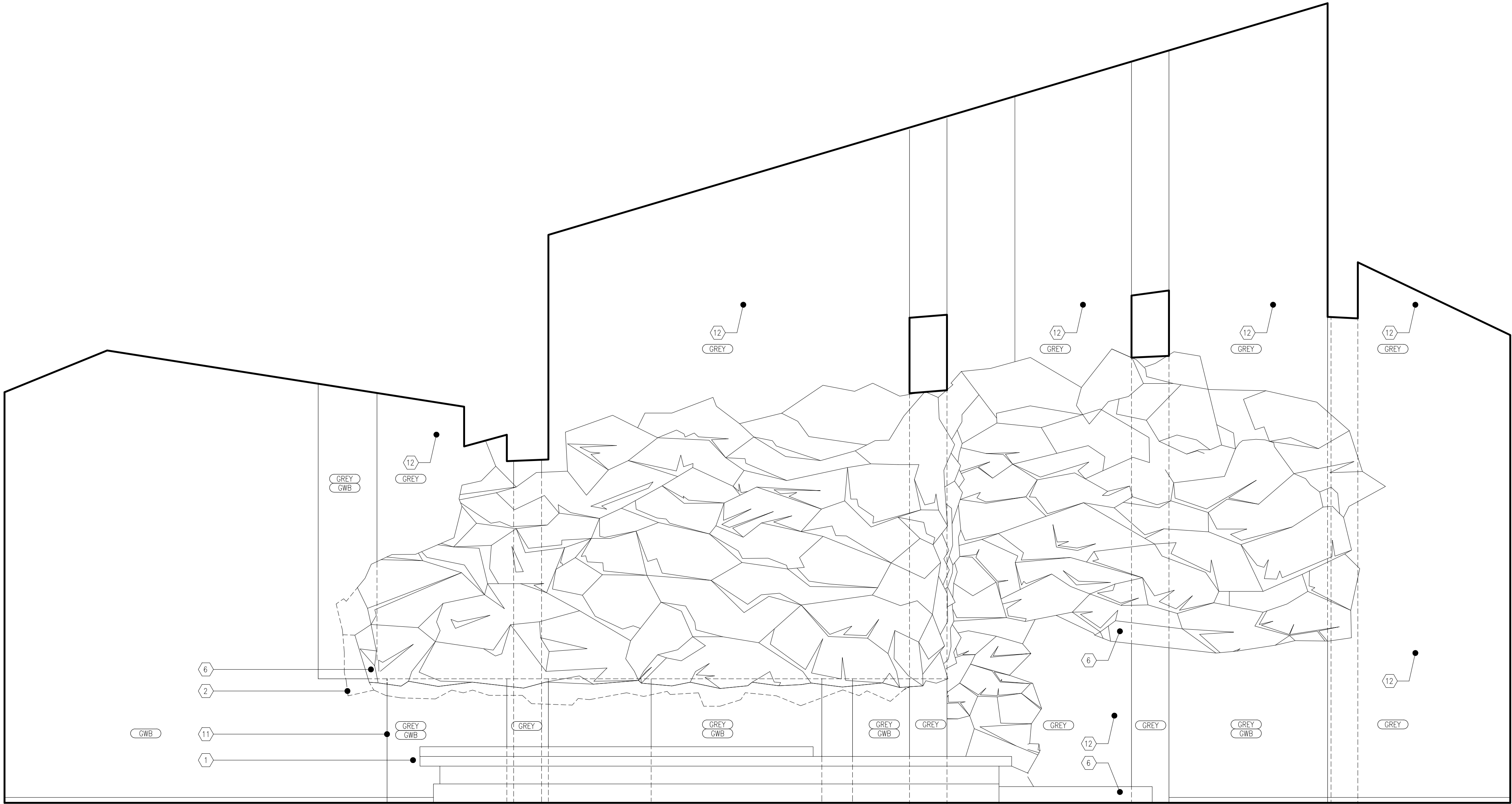
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Designed by/Concept par Patkau Arch. Inc.	Reviewed by/Revisé par Greg Boothroyd	Scale/Echelle PER DWG

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

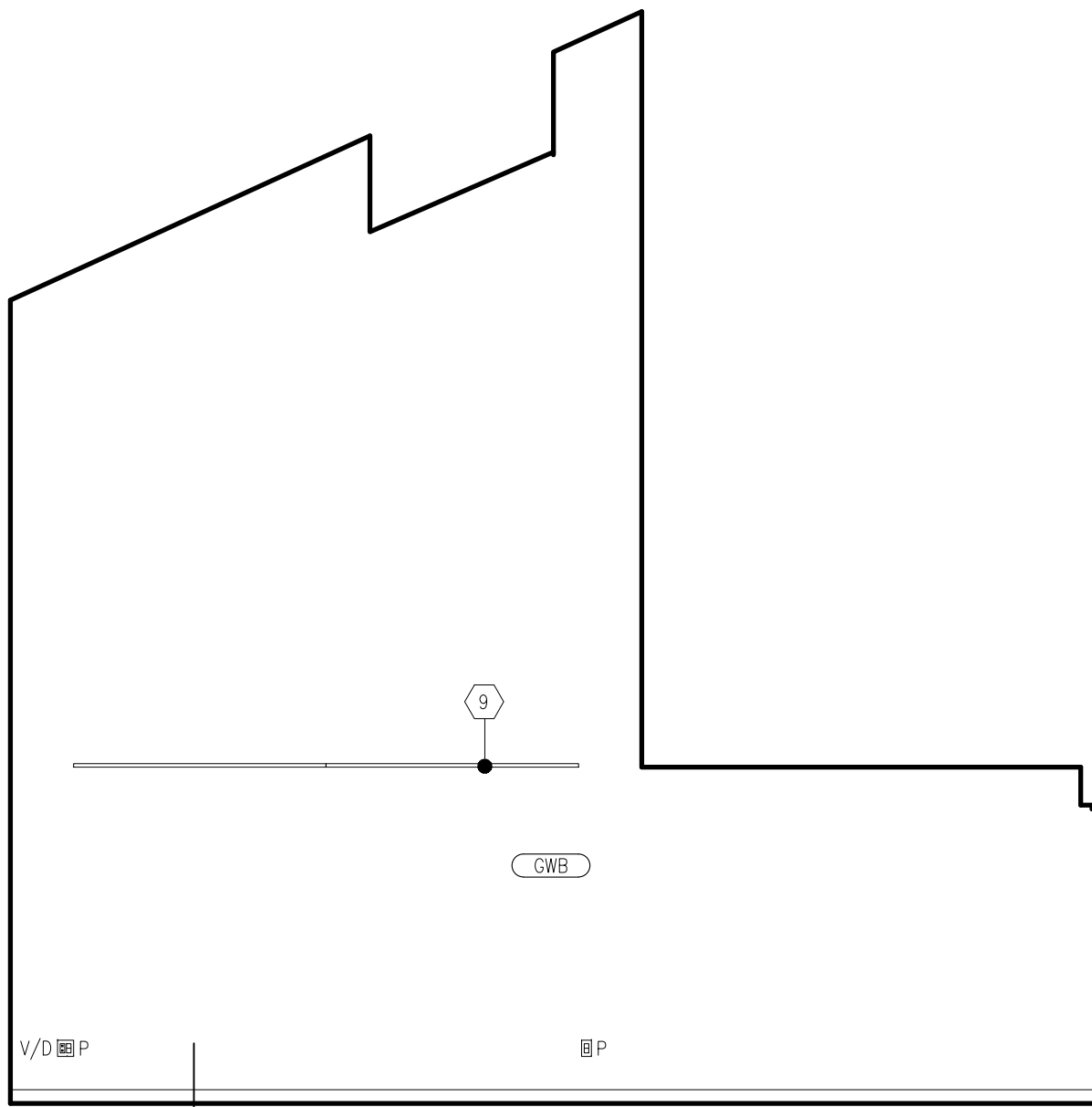
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Drawing Set No./N° de série du dessin

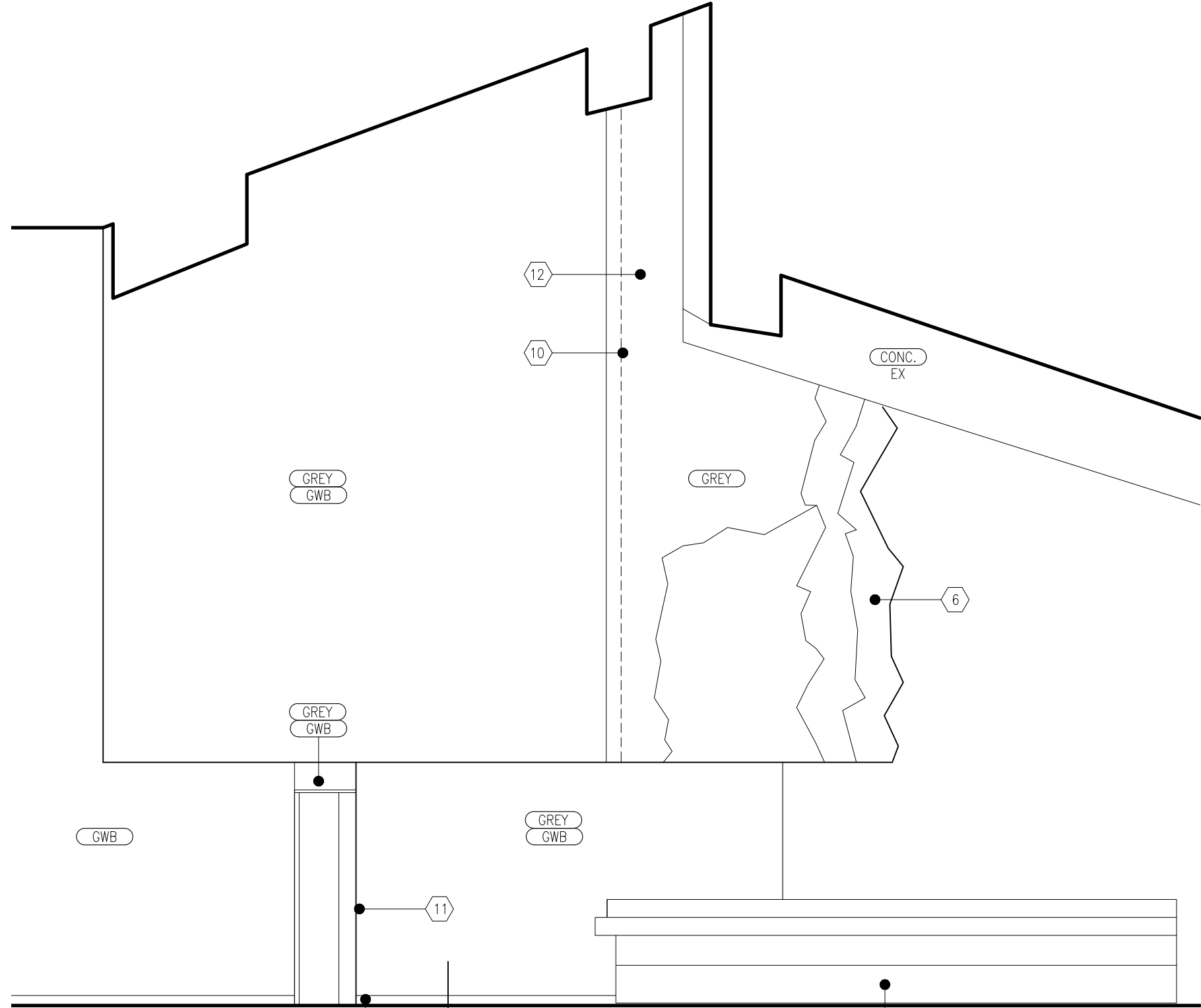
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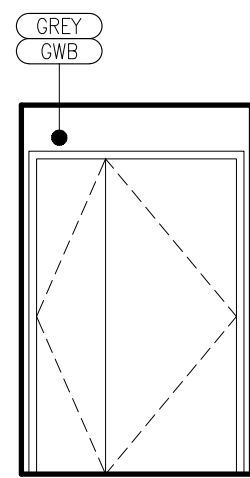
2 COMPOSIT ELEVATION | Visitor Space
1:50



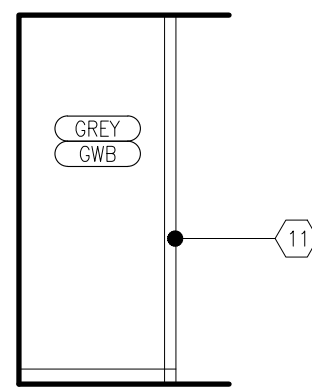
1 ELEVATION | Visitor Space
1:50



B COMPOSITE ELEVATION



C



D

NOTES

1.


INTERIOR ELEVATION KEY NOTES

1. INFO DESK (MW-1)
2. REMOVE FIBERGLASS ROCK REPLICA
- CONFIRM LOCATION / HEIGHT / EXTENT
OF DEMOLITION FOR ROCK WALL WITH
DEPARTMENTAL REPRESENTATIVE
3. CUSTOM RADIUS BASE TO MATCH RADIUS WALL
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11. RADIUS DRYWALL CORNER
12. PAINT EXISTING DRYWALL
13. GRILLE PER MECH
14. NEW BULKHEAD TO MATCH SLOPE OF EXISTING.
RAISE ELEVATION AS REQUIRED TO ACCOMMODATE
NEW DUCT WORK PER MECH. CONFIRM PROPOSED
ELEVATIONS WITH DEPARTMENTAL REPRESENTATIVE
BEFORE FRAMING BULKHEAD.
15. RELOCATED STATIC PRESSURE SENSOR PER MECH
16. ALIGN DEVICES VERTICALLY
17. ALIGN HEADER OF DOOR WITH U/S OF DRYWALL BULKHEAD

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Revision / Revision				
Consultant's Name Nom de l'expert-conseil				
PATKAU ARCHITECTS INC.				

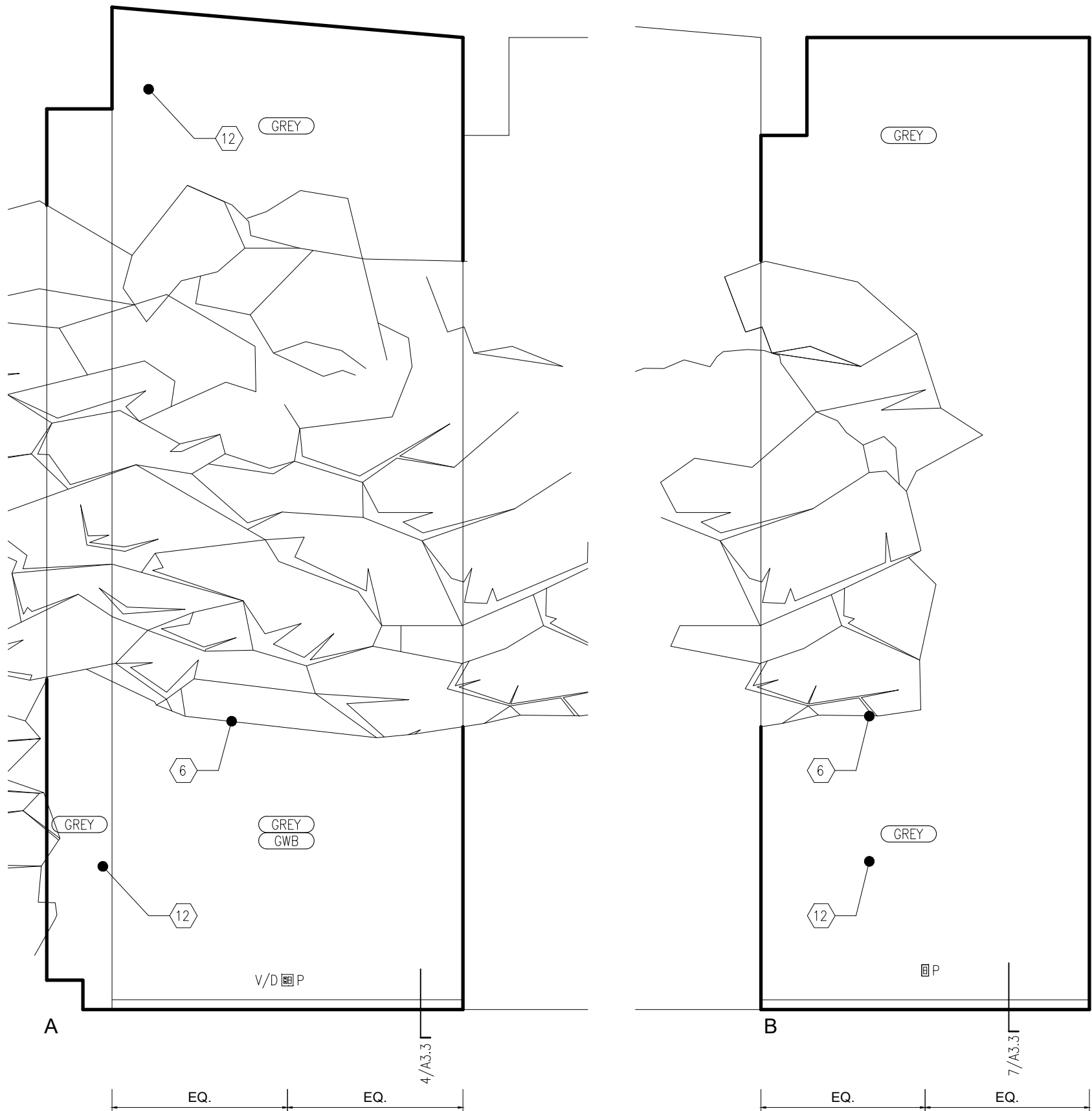
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	Sheet number	B Numéro de la feuille
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	Parks Canada	Parcs Canada
Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord	
Canada		

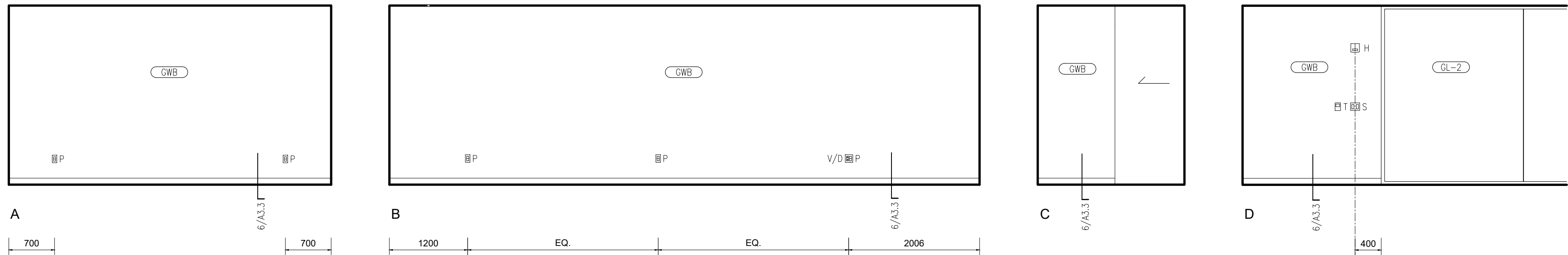
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INTERIOR ELEVATIONS		

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Client Acceptance/Acceptation du client	Approved by/Approuvé par	
	Date	Date

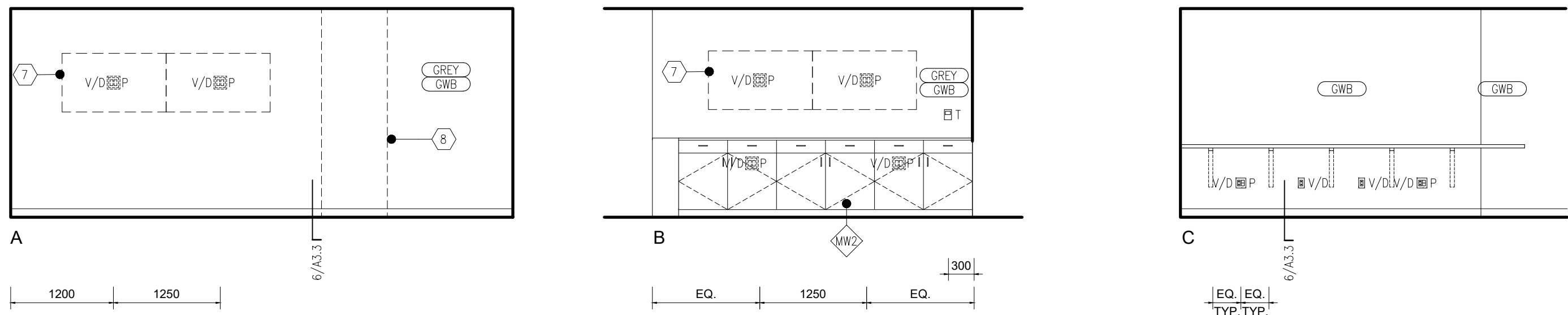
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		A2.2
Drawing Set No./N° de série du dessin		



3 ELEVATION | Visitors Space
1:50



2 ELEVATION | Retail
1:50



1 ELEVATION | Visitor Space - Behind Desk
1:50

NOTES

1.



INTERIOR ELEVATION KEY NOTES

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2. REMOVE FIBERGLASS ROCK REPLICA
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1	2018-05-18	30% PROGRESS	PW	GB
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
Consultant's Name Nom de l'expert-conseil				
PATKAU ARCHITECTS INC.				

A B	Detail number	A Numéro de détail
	Sheet number	B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres
		Eng. Stamp Scelu de l'ingénieur

	Parks Canada	Parcs Canada
	Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord
		

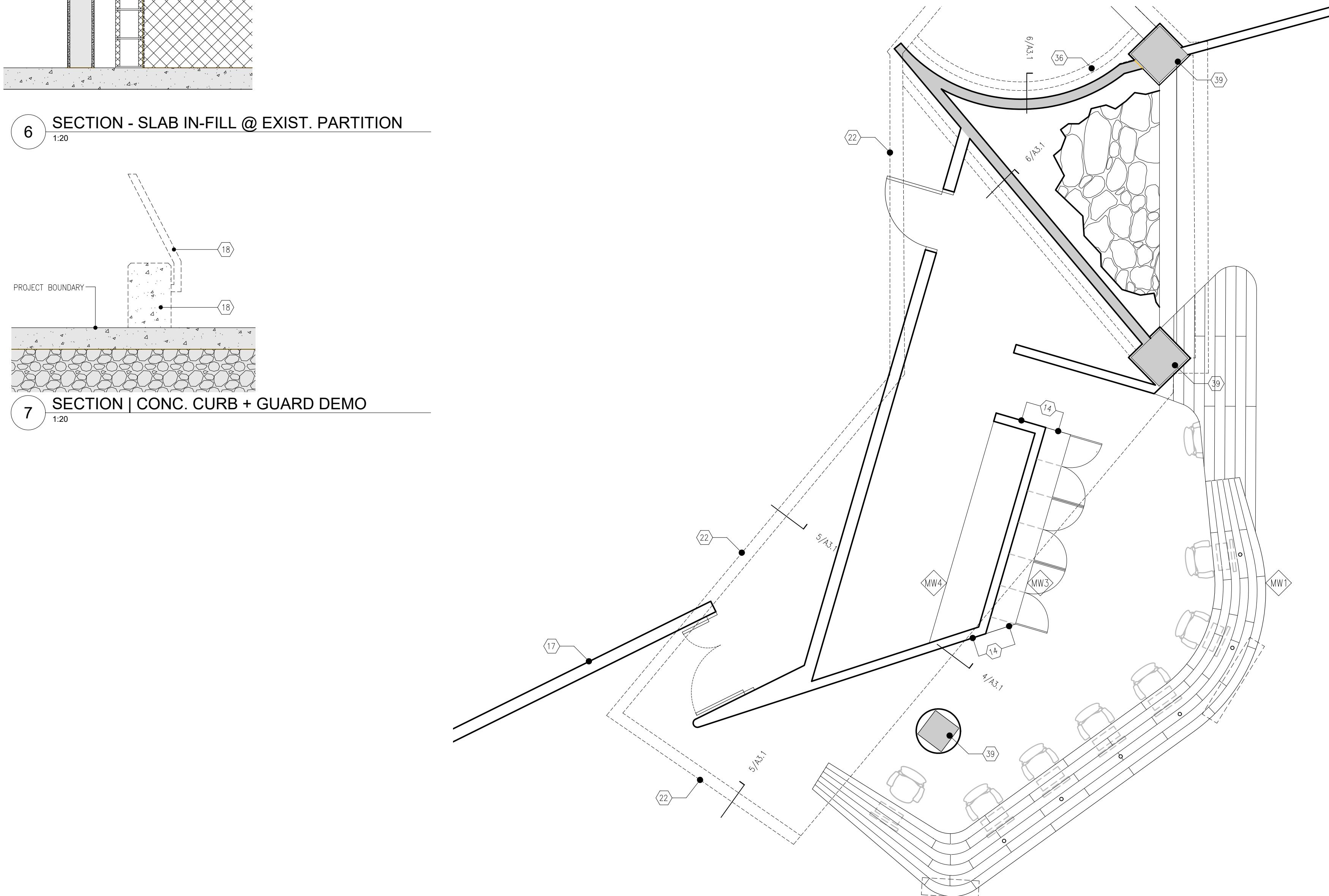
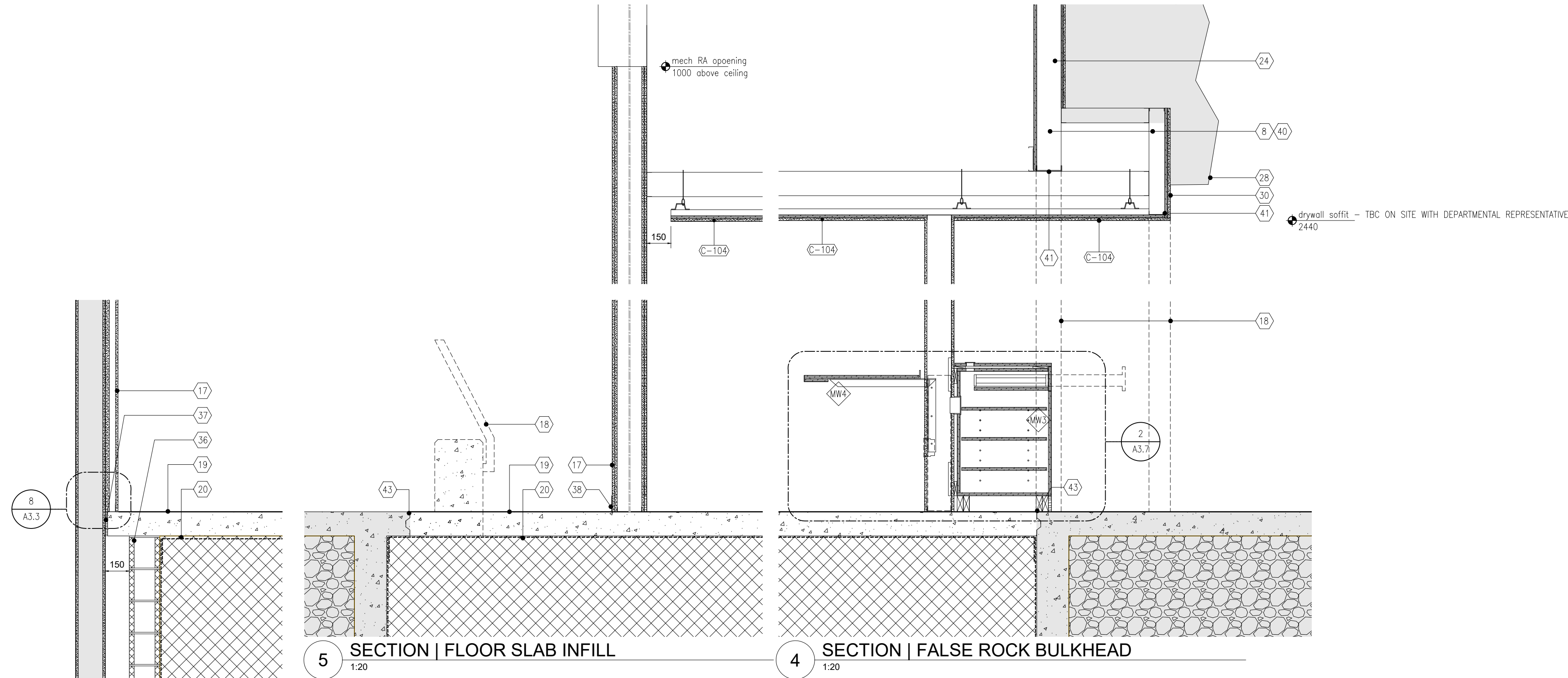
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INTERIOR ELEVATIONS		

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TG, PW, KY	TG, PW, KY	TG, PW, KY
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Patkau Arch. Inc.	Greg Boothroyd	PER DWG
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		
Drawing Set No./N° de série du dessin		

A2.3

Drawing Legend

NOT IN CONTRACT



1 NOT USED
1:50

2 ENLARGED PLAN | INFO DESK - floor level
1:50

Drawing Legend
NOT IN CONTRACT

- NOTES**
1. STEEL CLADDING ON Z-BAR FRAMING, BRICK MASONRY, CLAY FLUE LINER
 2. CONCEALED FRAME SLOT GRILL PER MECH
 3. LINE OF EXISTING BULKHEAD TO BE DEMOLISHED
 4. EXISTING FRAMING, REINFORCE AS REQ.
 5. TRANSOM GLAZING - SLOPING HEADER
 6. SLIDING DOORS
 7. SWING GLASS DOORS
 8. FRAMING PER STRUCT.
 9. CUSTOM FRAMING + FLASHING TO MATCH EXISTING. MAINTAIN CONTINUITY OF WEATHER BARRIER
 10. EXTERIOR INSULATION LAP AND SEAL EXISTING ON NEW, NEW COMPATIBLE VAPOUR BARRIER LAP ON EXISTING MEMBRANE. CONFIRM WITH DEPARTMENTAL REP.
 11. EXISTING STANDING SEAM METAL ROOF
 12. LIGHT FIXTURE PER ELEC.
 13. NEW BULKHEAD
 14. ALIGN
 15. GYPSUM BOARD
 16. 102mm HIGH PAINTED WOOD BASE 6-19mm A.F.F. APPROX.
 17. WALL AS SCHEDULED
 18. TO BE DEMOLISHED
 19. NEW SLAB PER STRUCT.
 20. AIR BARRIER + VAPOUR RETARDER OVER VOID FILL PER STRUCT.
 21. CAP ROOF TO MATCH EXISTING STANDING SEAM AS REQ. T.B.D. ON SITE. CONFIRM WITH DEPARTMENTAL REP.
 22. EXISTING CONCRETE FOUNDATION WALL BELOW FINISH FLOOR
 23. BEAM, PER STRUCT.
 24. EXISTING STUD FRAME WALL WITH ROCK WALL FEATURE, DEMO INSIDE FACE OF GWB, INSTALL NEW SHEATHING, PER STRUCT.
 25. AUTOMATIC OVERHEAD OPERATOR
 26. ALIGN WITH U/S OF DRYWALL BULKHEAD, T.B.C. ON SITE
 27. PLYWOOD (PRESSURE TREATED @ ROOF PATCH)
 28. CUT LINE @ APPROX. 2440mm ABOVE F.F. TO FOLLOW ROCK PROFILE, EXACT ELEVATION TO BE CONFIRMED WITH DEPARTMENTAL REPRESENTATIVE ON SITE PRIOR TO ANY WORK IN THIS AREA.
 29. BUTT JOINT C/W STRUCTURAL SILICONE
 30. PATCH AND REPAIR EXISTING AS REQUIRED
 31. ADJUSTABLE SHELVING
 32. EXISTING HO BUTTON
 33. NEW KEYPAD
 34. DOOR HANDLES / BACK TO BACK
 35. EXIT SIGN PER ELEC C/W PENDANT MOUNT KIT
 36. BLOCK WALL PER STRUCT.
 37. BOND BREAKER
 38. RUBBER BASE
 39. EXISTING COLUMN TO REMAIN
 40. REINFORCE EXISTING STUDS PER STRUCT.
 41. CUT EX. STUDS. ADD BOTTOM TRACK, SCREW TO NEW STUDS PER STRUCT.
 42. VENTILATION AIR GRILLE PER MECH
 43. CONTROL JOINT PER STRUCT.
 44. 6mm SHADOW REVEAL @ GWB EDGE
 45. LOCATE U/S OF GWB WITH JIG AT UNEVEN FLOORS. CONFIRM WITH DEPARTMENTAL REP.
 46. PRE-PAINTED + CAULKED
 47. 52mm STUD
 48. ALIGN SLOPE OF CEILING WITH SLOPING HEADER OF GLAZING

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No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

Consultant's Name
Nom de l'expert-conseil

PATKAU ARCHITECTS INC.

A B	Detail number Sheet number	A Numéro de detail B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres
		Eng. Stamp Sceau de l'ingénieur

**Parks Canada**
Strategic Asset
Management,
Western and Northern
Region

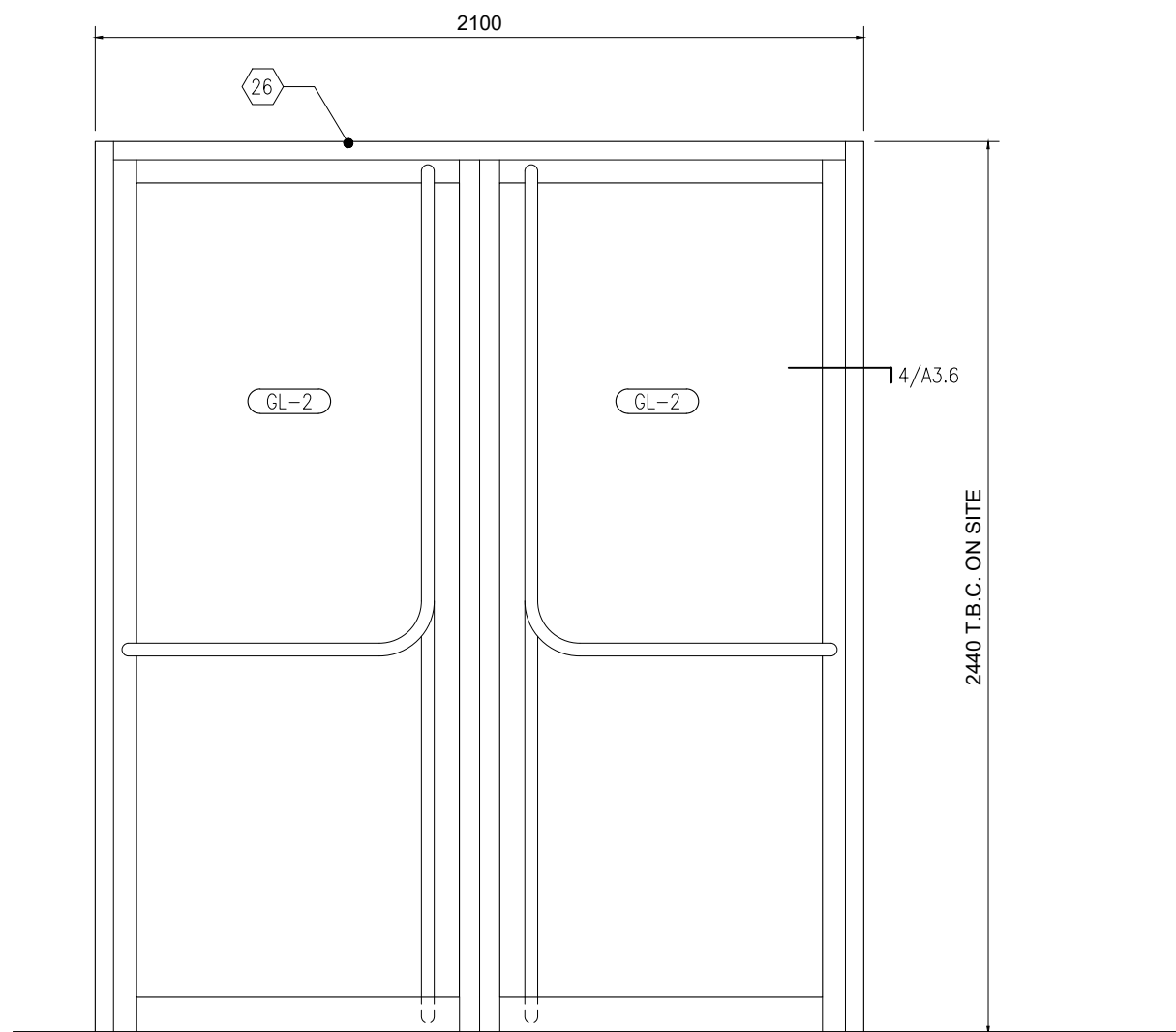
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Gestion Stratégique
des Biens,
Région de l'Ouest et
du Nord



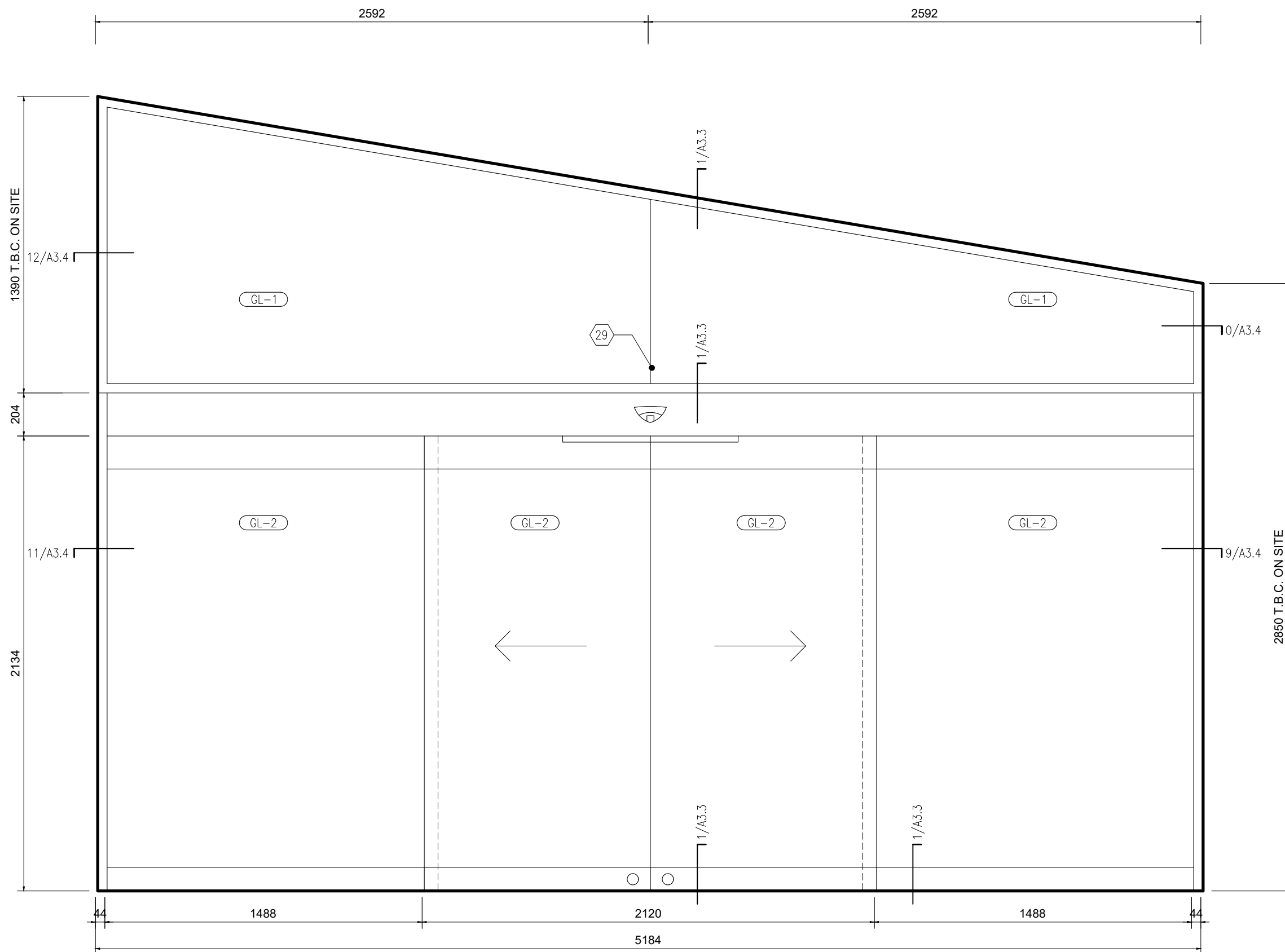
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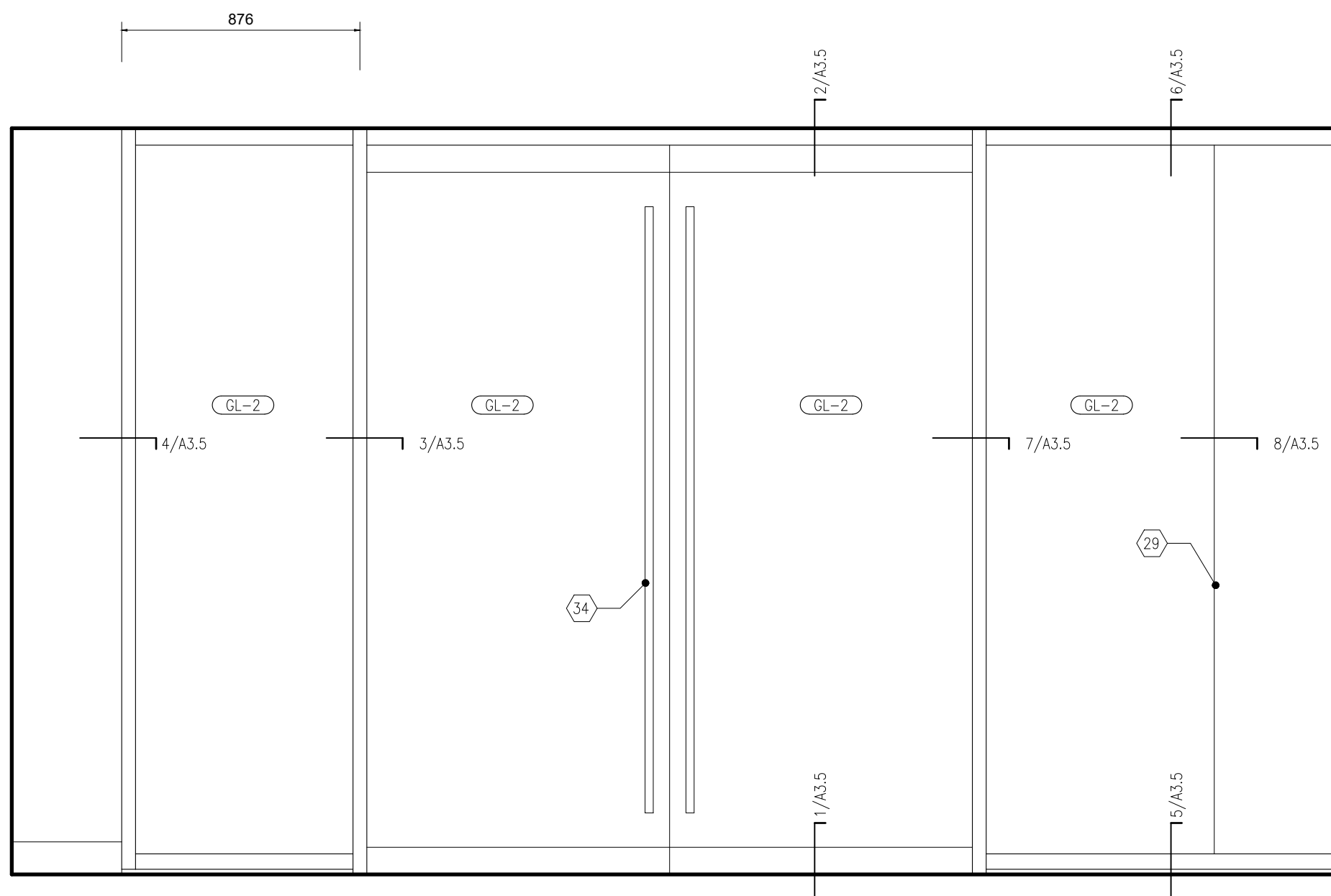
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Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Patkau Arch. Inc.	Greg Boothroyd	PER DWG
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		A3.1
Drawing Set No./N° de série du dessin		



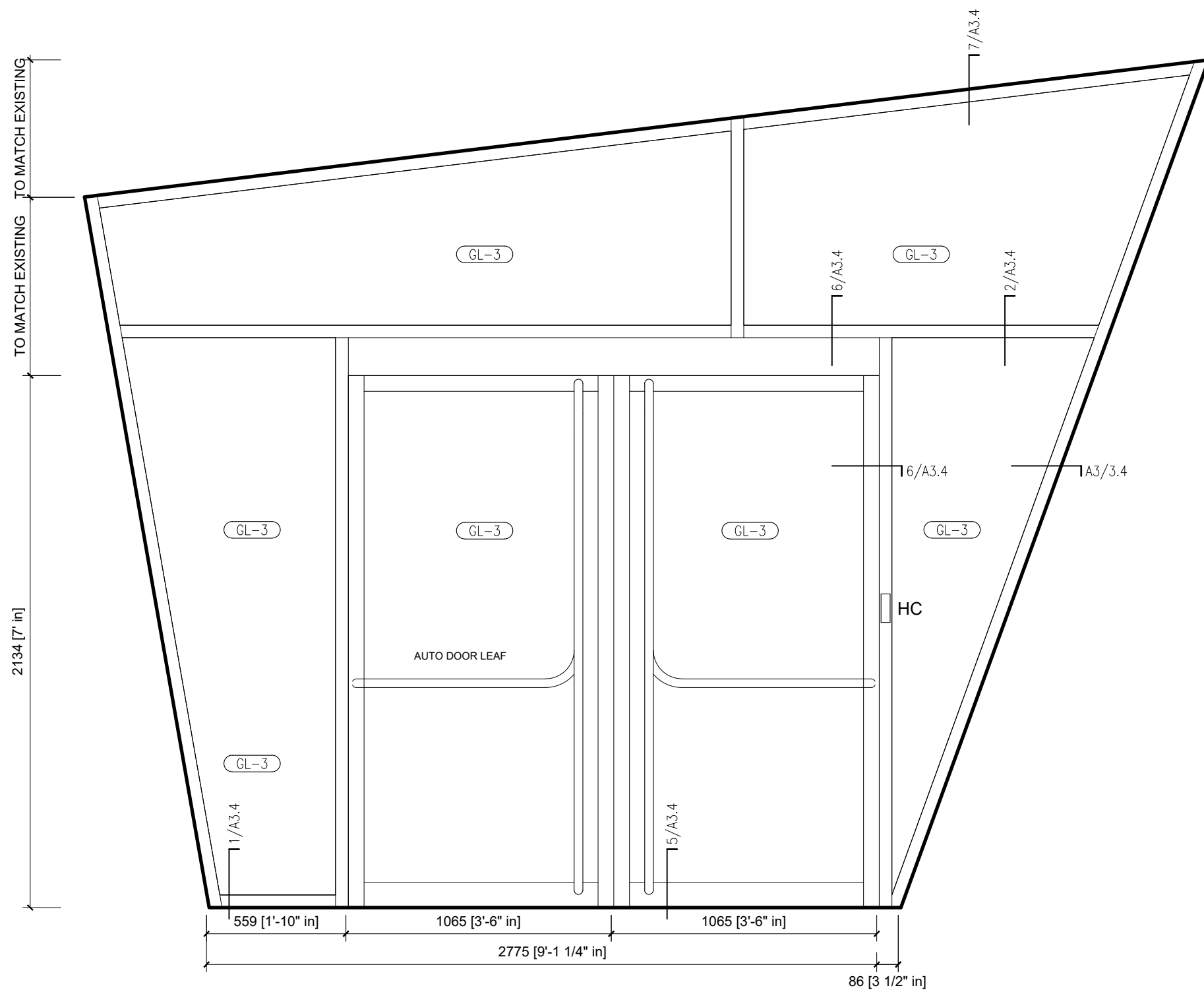
4 DETAIL | SOUTH VESTIBULE
1:20



3 DETAIL | ENTRANCE VESTIBULE BREAKAWAY SLIDING DOORS
1:20



2 DETAIL | RETAIL ENTRANCE
1:20



1 DETAIL | FRONT ENTRANCE
1:20

- NOTES**
1. STEEL CLADDING ON Z-BAR FRAMING, BRICK MASONRY, CLAY FLUE LINER
 2. CONCEALED FRAME SLOT GRILL PER MECH
 3. LINE OF EXISTING BULKHEAD TO BE DEMOLISHED
 4. EXISTING FRAMING, REINFORCE AS REQ.
 5. TRANSOM GLAZING - SLOPING HEADER
 6. SLIDING DOORS
 7. SWING GLASS DOORS
 8. FRAMING PER STRUCT.
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 12. LIGHT FIXTURE PER ELEC.
 13. NEW BULKHEAD
 14. ALIGN
 15. GYPSUM BOARD
 16. 102mm HIGH PAINTED WOOD BASE 6-19mm A.F.F. APPROX.
 17. WALL AS SCHEDULED
 18. TO BE DEMOLISHED
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 41. CUT EX. STUDS, ADD BOTTOM TRACK, SCREW TO NEW STUDS PER STRUCT.
 42. VENTILATION AIR GRILLE PER MECH
 43. CONTROL JOINT PER STRUCT.
 44. 6mm SHADOW REVEAL @ GWB EDGE
 45. LOCATE U/S OF GWB WITH JIG AT UNEVEN FLOORS. CONFIRM WITH DEPARTMENTAL REP.
 46. PRE-PAINTED + CAULKED
 47. 92mm STUD
 48. ALIGN SLOPE OF CEILING WITH SLOPING HEADER OF GLAZING

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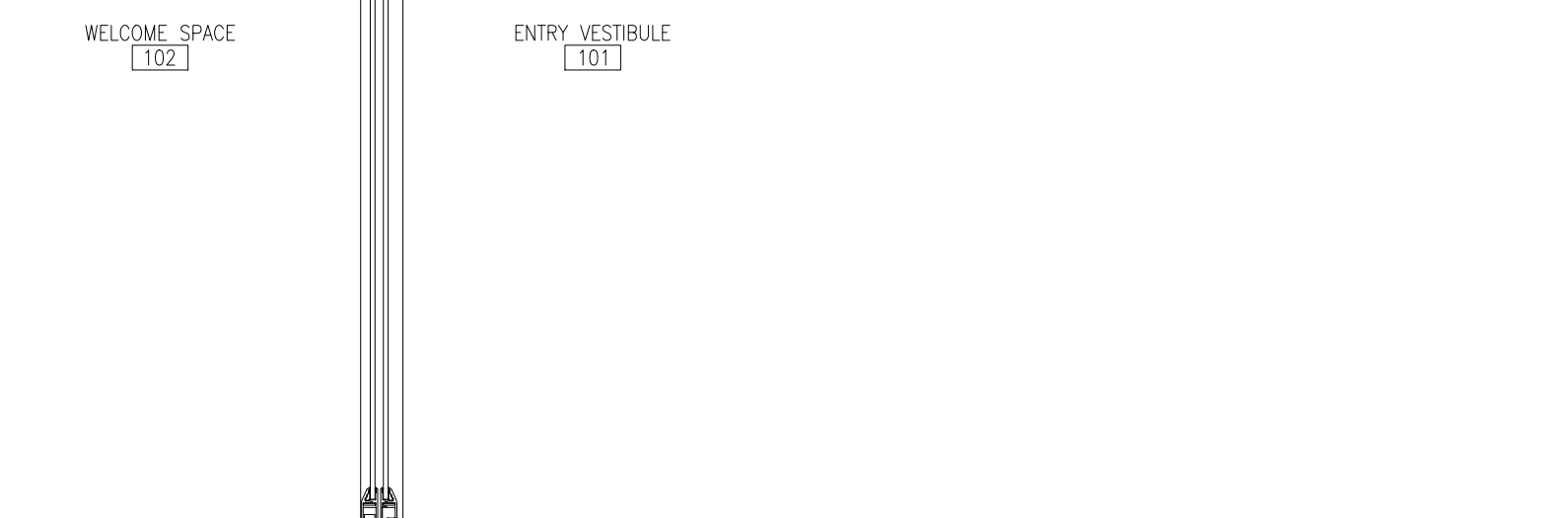
Revision / Revision			
Consultant's Name Nom de l'expert-conseil			
PATKAU ARCHITECTS INC.			
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	Sheet number	B Numéro de la feuille	
Linear dimensions in millimetres		Dimensions linéaires en millimètres	
			Eng. Stamp Sceau de l'ingénieur

	Parks Canada	Parcs Canada
Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord	

Drawing title/Titre du dessin		
GLAZING ELEVATIONS		

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	TG, PW, KY	TG, PW, KY
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Patkau Arch. Inc.	Greg Boothroyd	PER DWG
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date

Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		
Drawing Set No./N° de série du dessin		A3.2



- ## NOTES
1. STEEL GLADDING ON Z-BAR FRAMING, BRICK MASONRY, CLAY FLUE LINER
 2. CONCEALED FRAME SLOOT GRILL, PER MECH
 3. LINE OF EXISTING BULKHEAD TO BE DEMOLISHED
 4. EXISTING FRAMING, REINFORCE AS REQ.
 5. TRANSOM GLAZING - SLOPING HEADER
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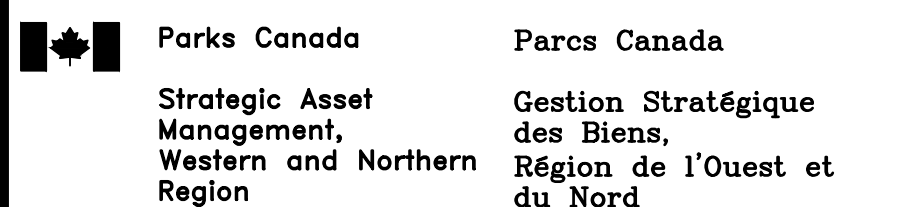
Consultant's Name
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	Detail number	A Numéro de détail
	Sheet number	B Numéro de la feuille

Linear dimensions in millimetres	Dimensions linéaires en millimètres
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Eng. Stamp
Sceau de l'ingénieur



Canada

Drawing title/Titre du dessin

DETAILS

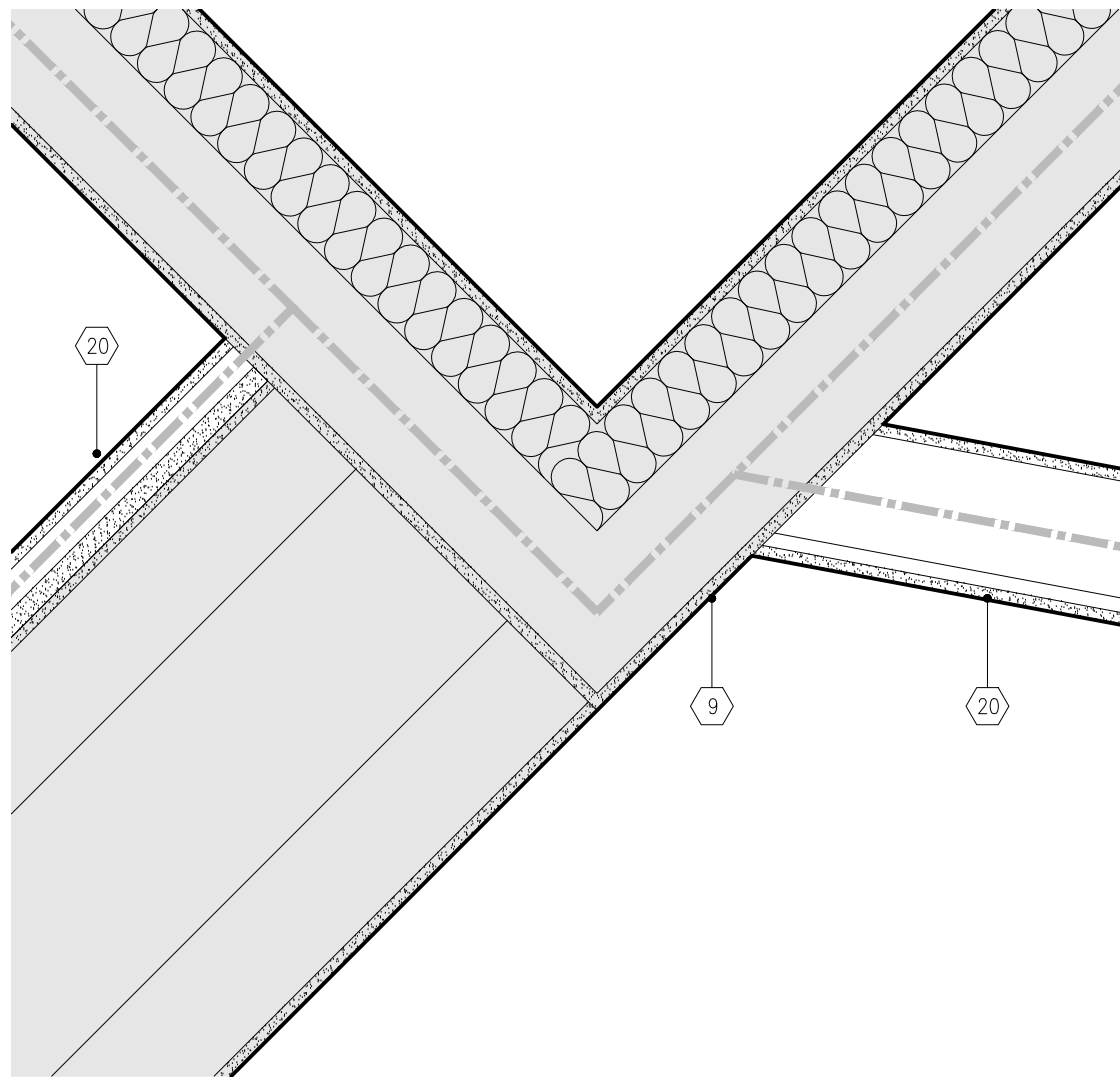
Surveyed by/Arpenté par	Drawn by/Dessiné par TG, PW, KY	Date TG, PW, KY
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Designed by/Concept par Patkau Arch. Inc.	Reviewed by/Revisé par Greg Boothroyd	Scale/Échelle PER DWG
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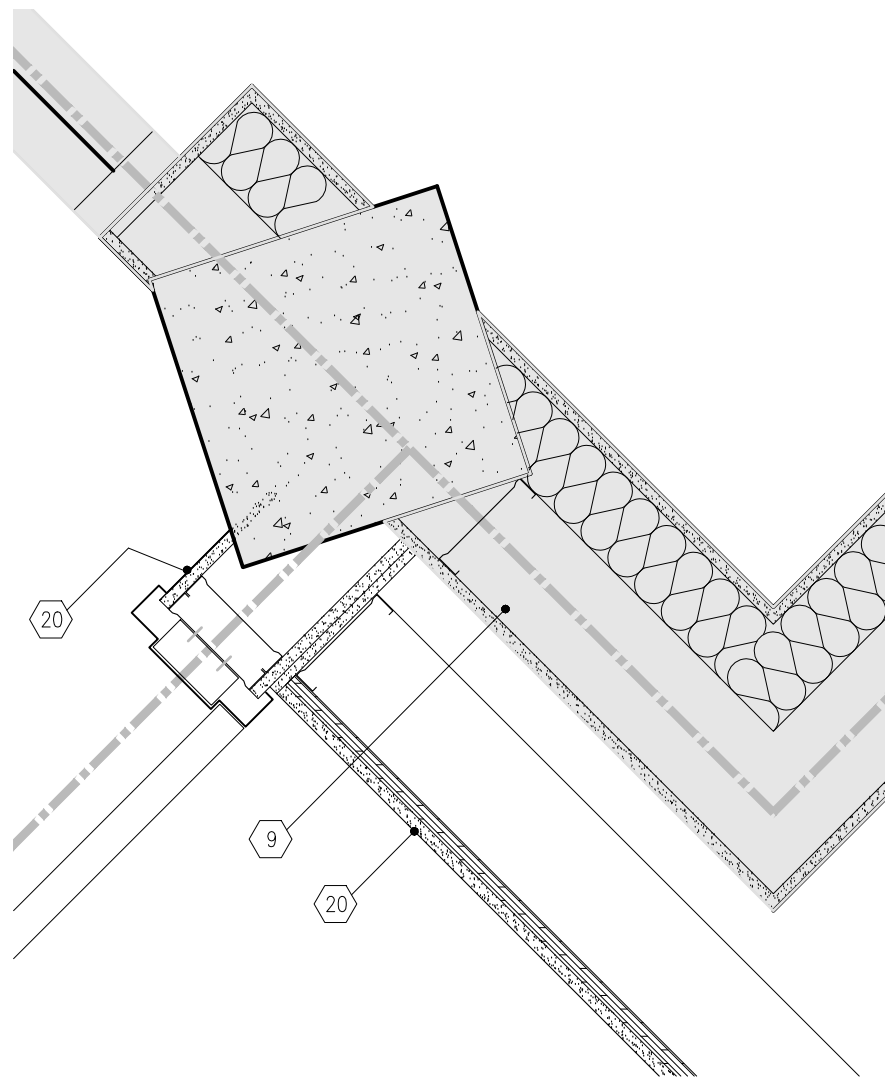
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Date	Date

Project No./N° du projet 0079.02	Asset No./N° du bien	Sheet No./ N° de la feuille
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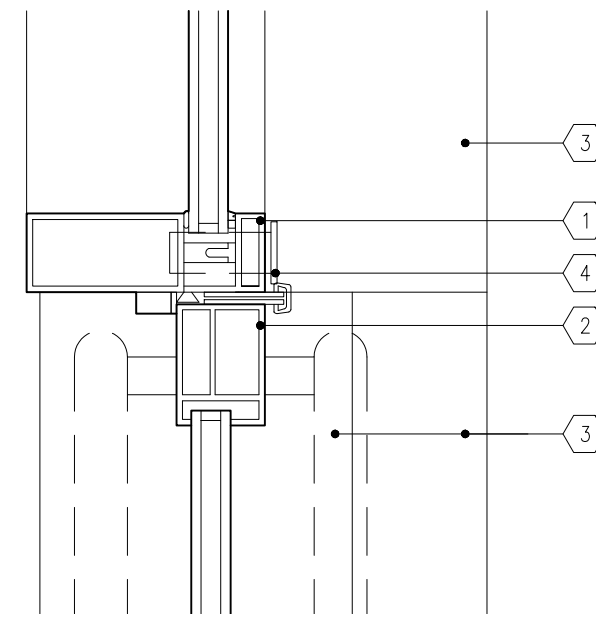
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14 RATED PARTITION INTERSECTION
1:10



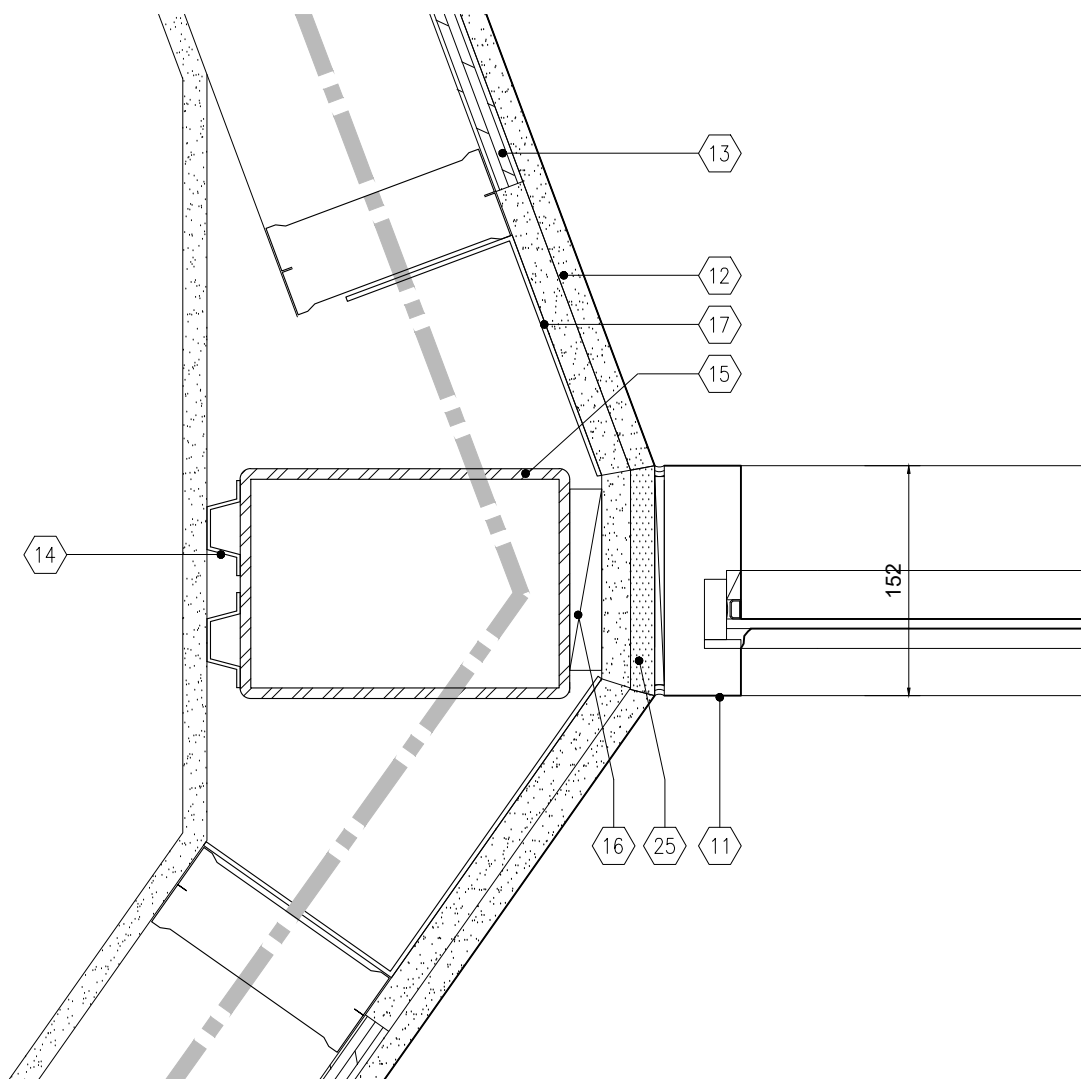
13 RATED PARTITION INTERSECTION
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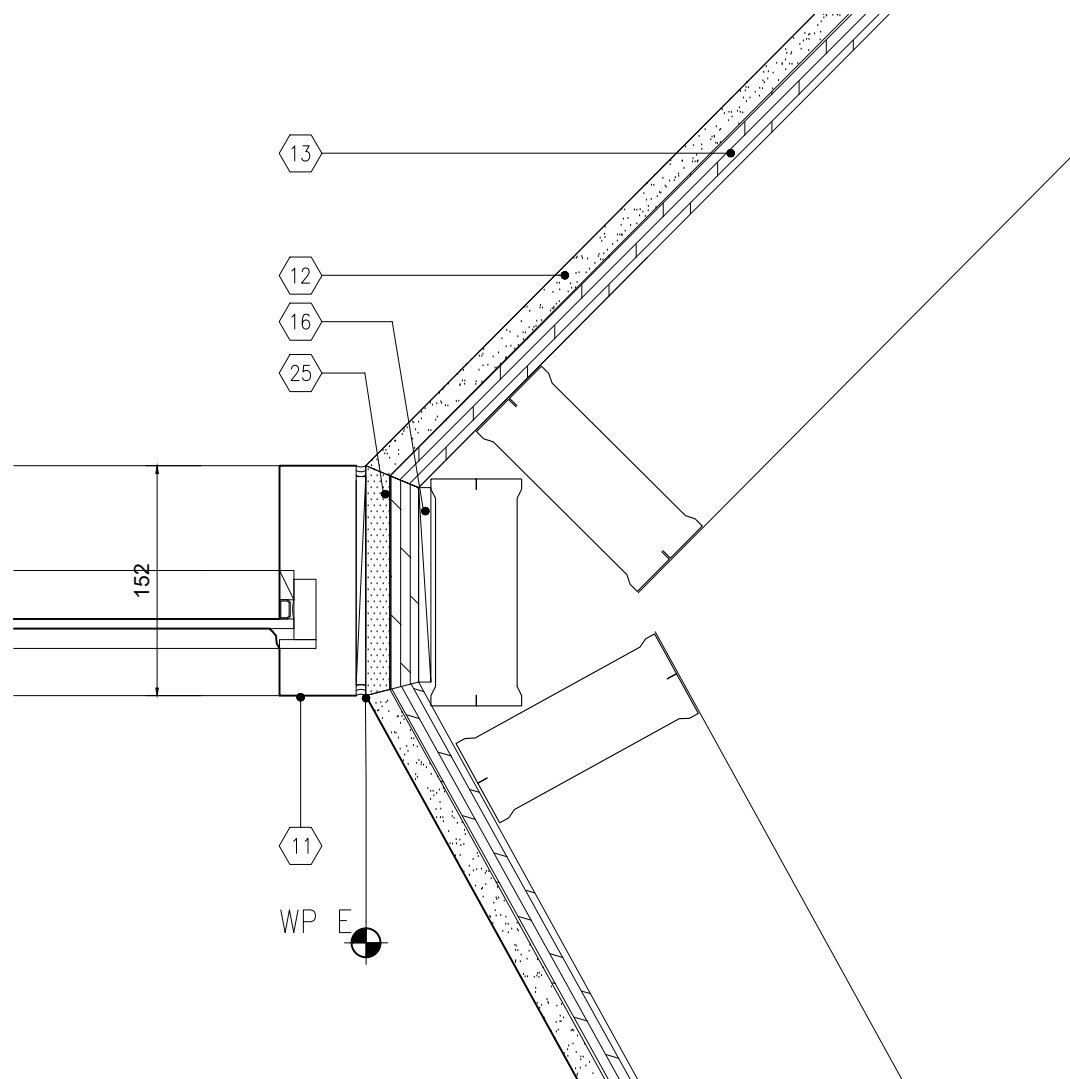
8 JAMB @ NEW EXTERIOR DOOR + CURTAIN WALL
1:5



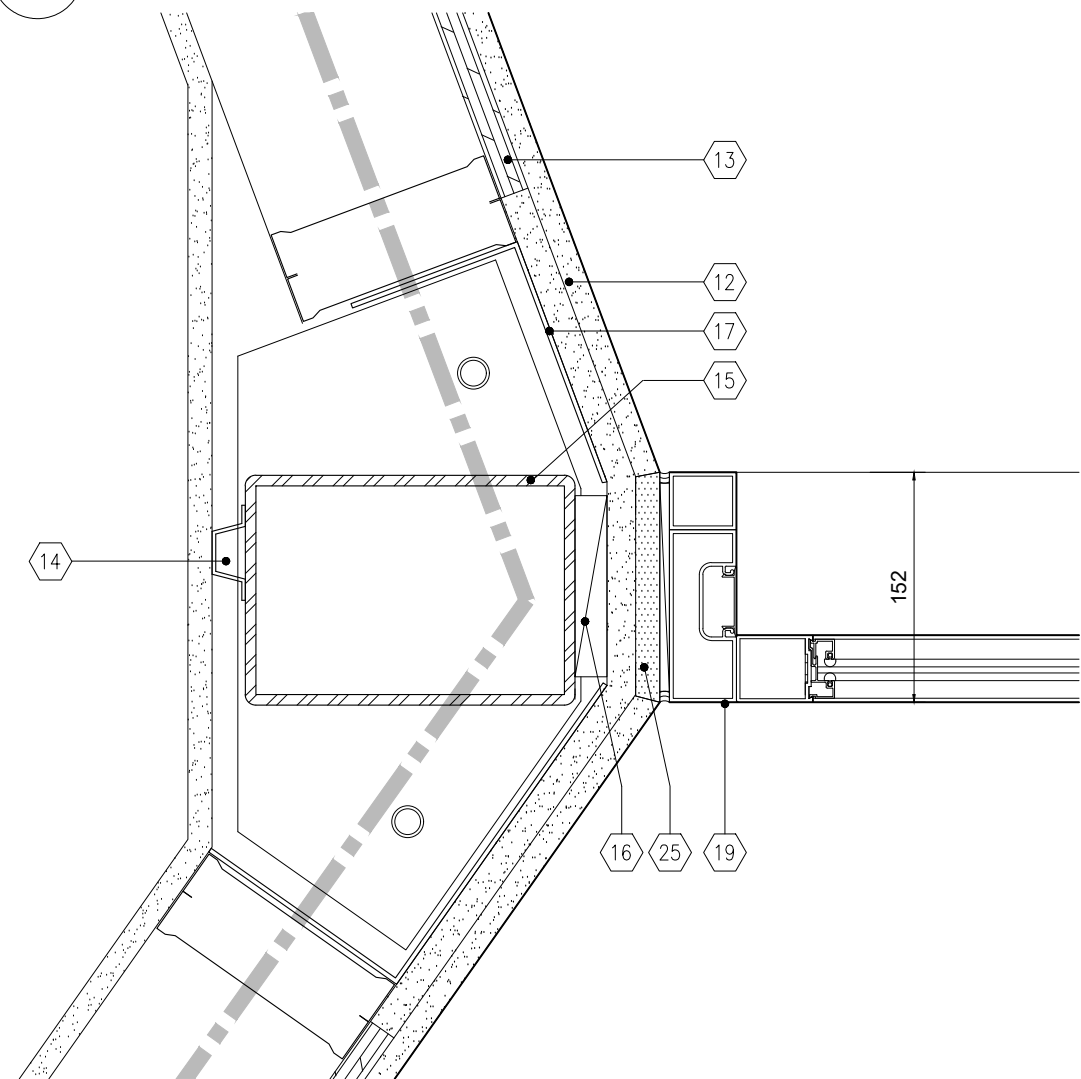
4 NOT USED
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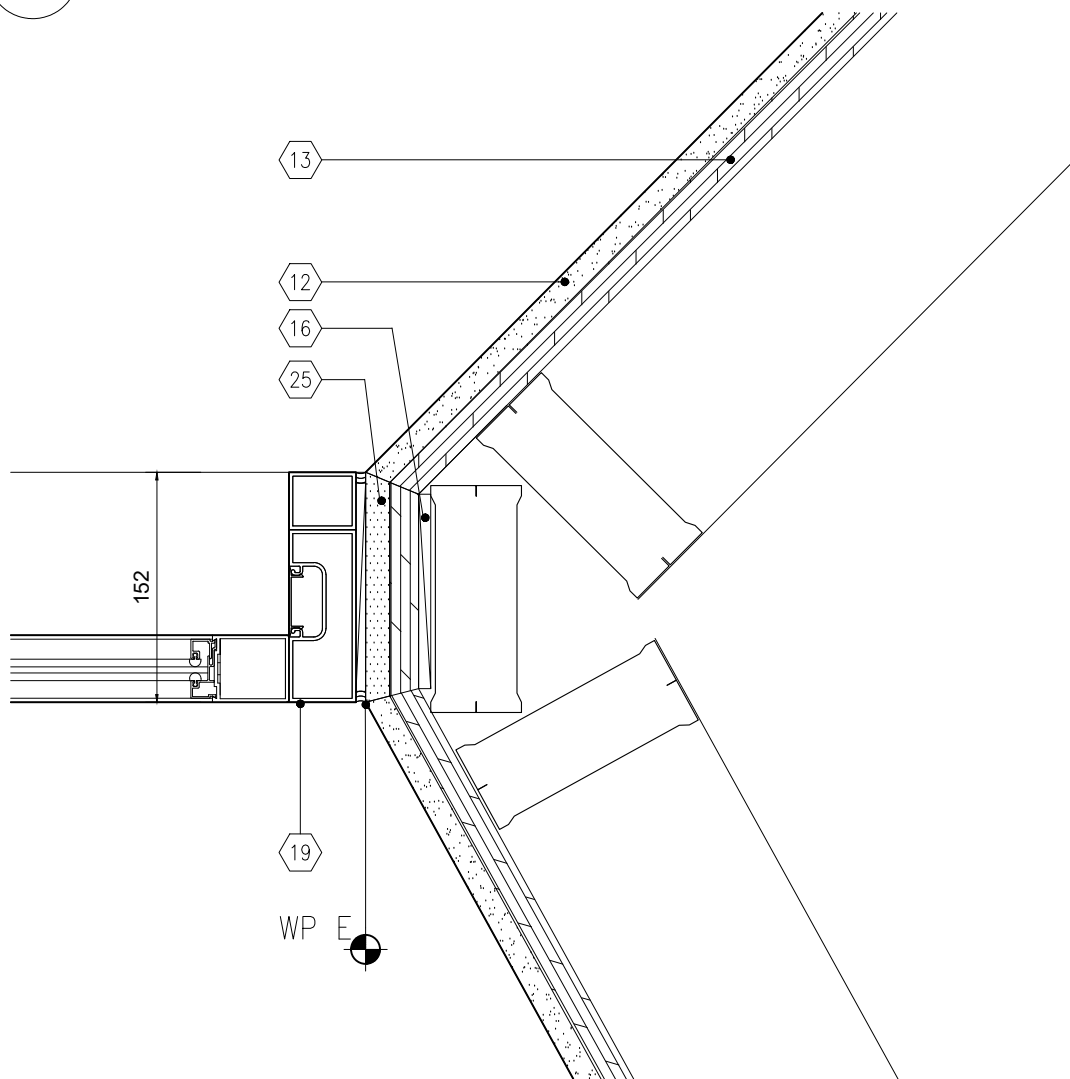
12 JAMB | TRANSOME GLAZING ENTRANCE VEST.
1:5



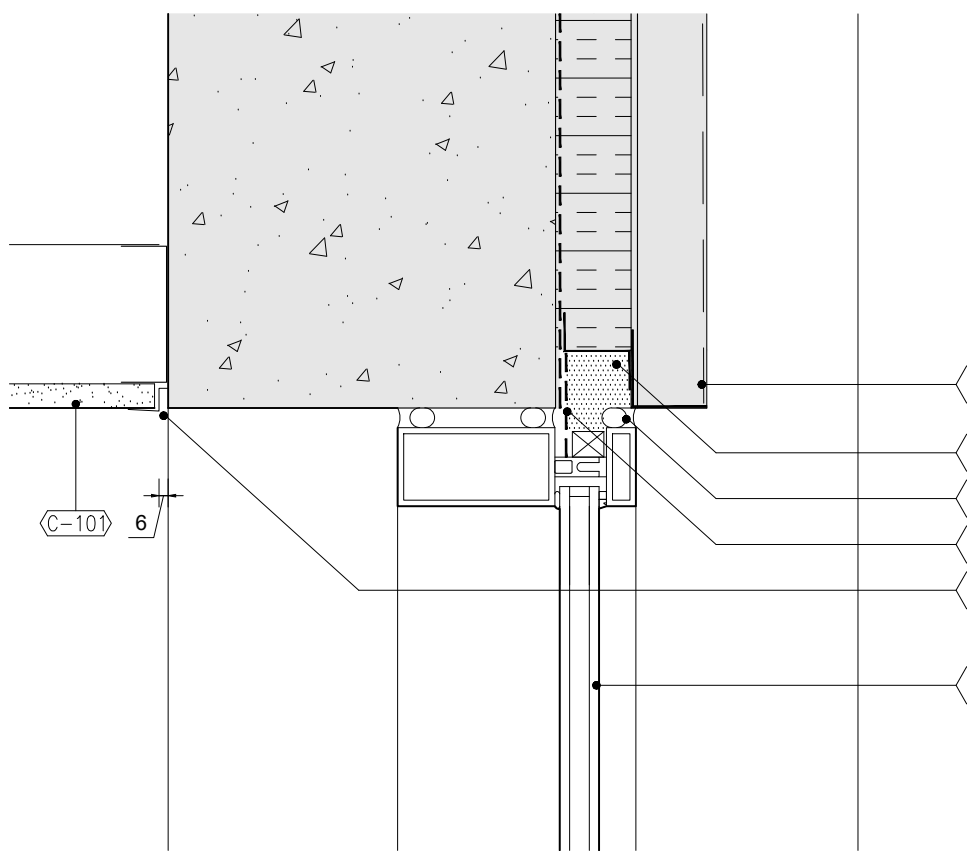
10 JAMB | TRANSOME GLAZING ENTRANCE VEST.
1:5



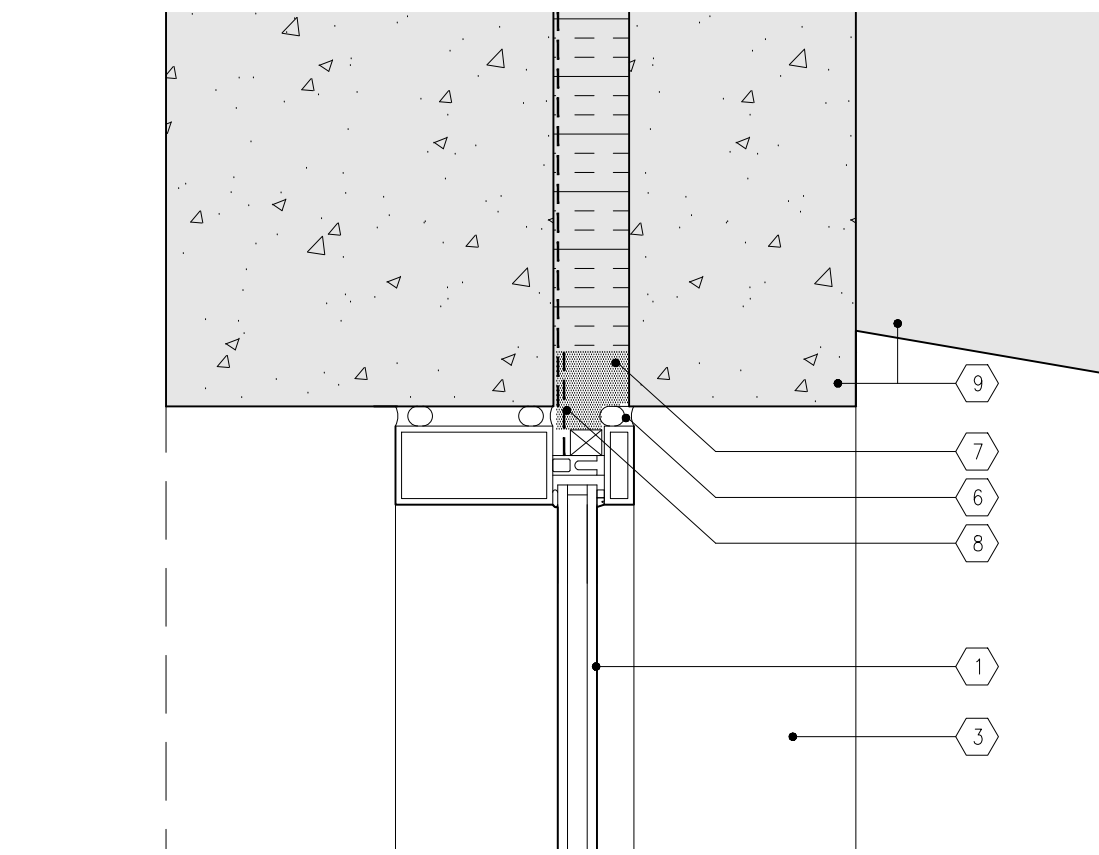
11 JAMB | SLIDING DOOR ENTRANCE VESTIBULE
1:5



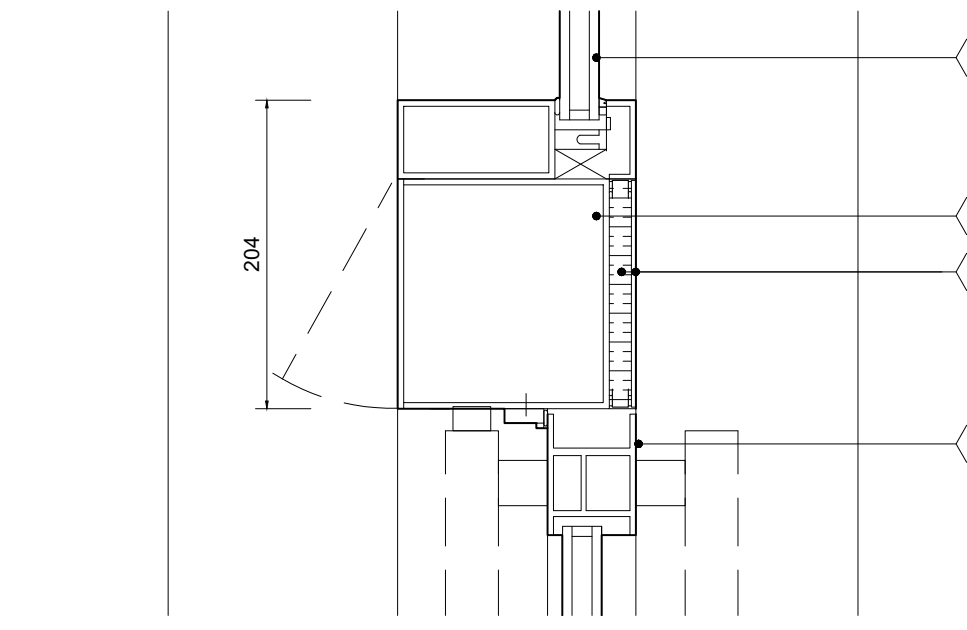
9 JAMB | SLIDING DOOR ENTRANCE VESTIBULE
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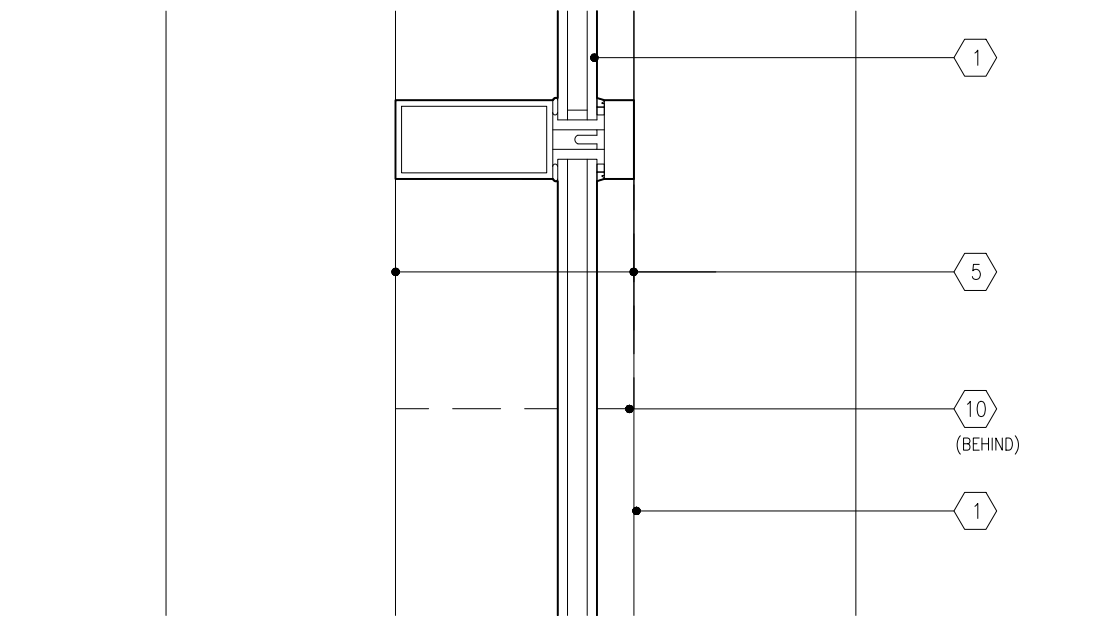
7 HEADER @ NEW EXTERIOR GLAZING
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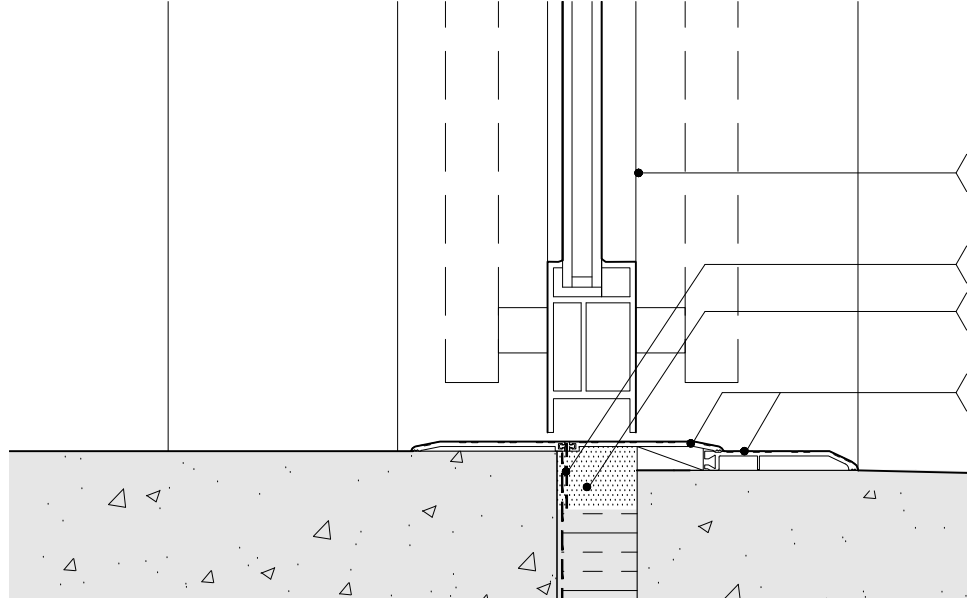
3 JAMB @ NEW EXTERIOR GLAZING
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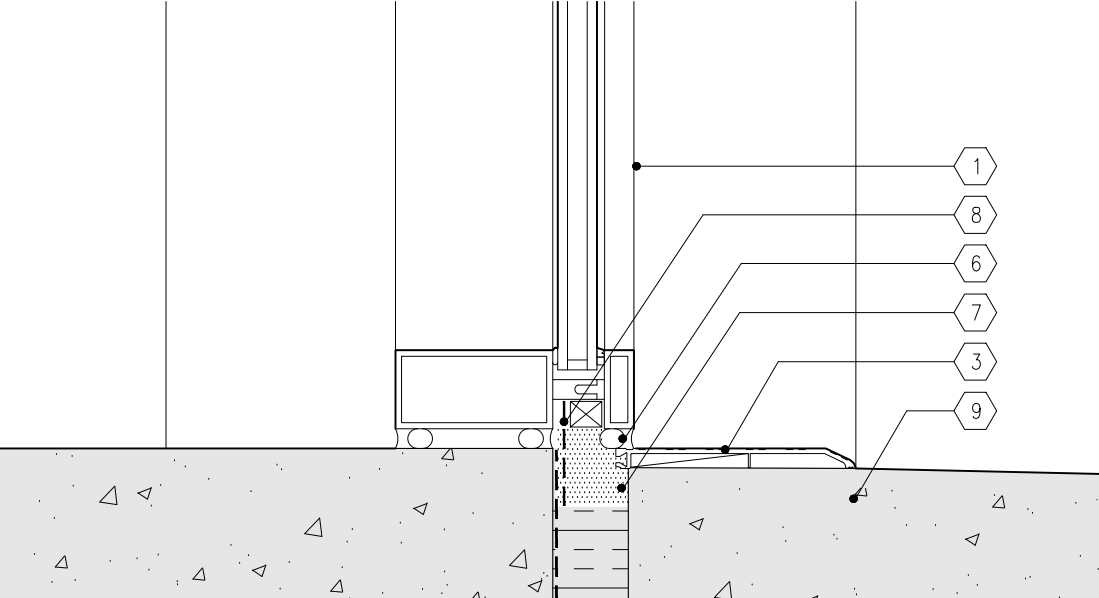
6 HEADER @ NEW EXTERIOR DOOR OPERATOR
1:5



2 TRANSOME @ NEW EXTERIOR GLAZING
1:5



5 THRESHOLD @ NEW EXTERIOR DOOR
1:5



1 SILL @ NEW EXTERIOR GLAZING
1:5

- NOTES**
1. EXTERIOR CURTAIN WALL, ALIGN WITH EXISTING
 2. EXTERIOR SWING DOOR
 3. THRESHOLD (BELOW) PRESSURE TREATED BLOCKING AS REQ.
 4. HC DOOR OPERATOR PER ELEC.
 5. 3 mm CLEAR ANODIZED ALUMINUM PLATE, INSULATION AS INDICATED
 6. BACKER ROD + CAULK
 7. SPRAYFOAM
 8. WATERPROOF MEMBRANE FLASHING, LAP AND SEAL TO EXISTING
 9. EXISTING TO REMAIN, NOT IN CONTRACT
 10. AUTOMATIC SWING DOOR OPERATOR
 11. TRANSOM GLAZING
 12. DRYWALL (LAP TO MAINTAIN FIRE RATING AS INDICATED)
 13. PLYWOOD
 14. 22mm FURRING CHANNEL
 15. COLUMN W/ BASE PLATE PER STRUCT.
 16. BLOCKING AS REQ.
 17. CUSTOM DRYWALL ANGLE
 18. L-TRIM AT DRYWALL EDGE
 19. FIXED SIDELIGHT OF SLIDING GLASS DOOR
 20. WALL AS SCHEDULED
 21. BULKHEAD OR BEAM (ABOVE)
 22. DRYWALL REVEAL
 23. 89x69mm PAINT GRADE HARDWOOD TRIM FLOOR TO CEILING ON 6mm PLYWD SHIM TO CREATE REVEAL
 24. DRYWALL SHADOW MOULD
 25. MDF PAINT TO MATCH ADJACENT WALL

5	2018-10-05	ISSUED FOR TENDER	KY	GB
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1	2018-05-18	30% PROGRESS	PW	GB
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Revision / Revision				
Consultant's Name Nom de l'expert-conseil				
PATKAU ARCHITECTS INC.				

A B	Detail number	A Numéro de détail
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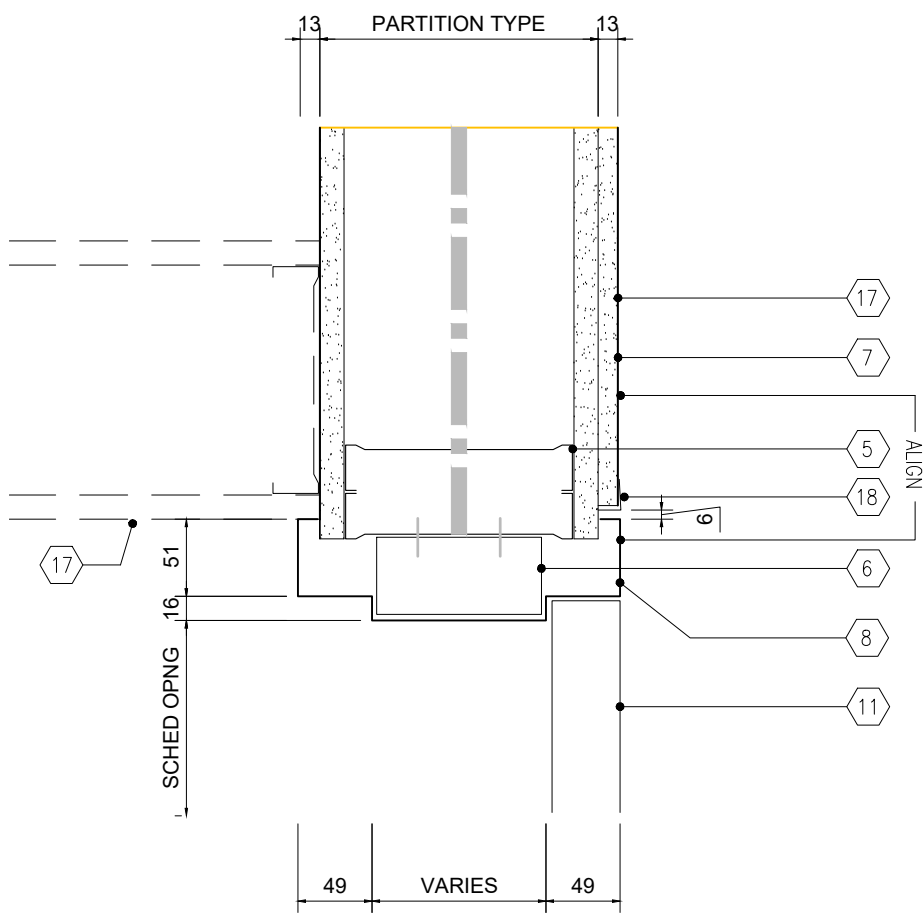
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Drawing title/Titre du dessin		
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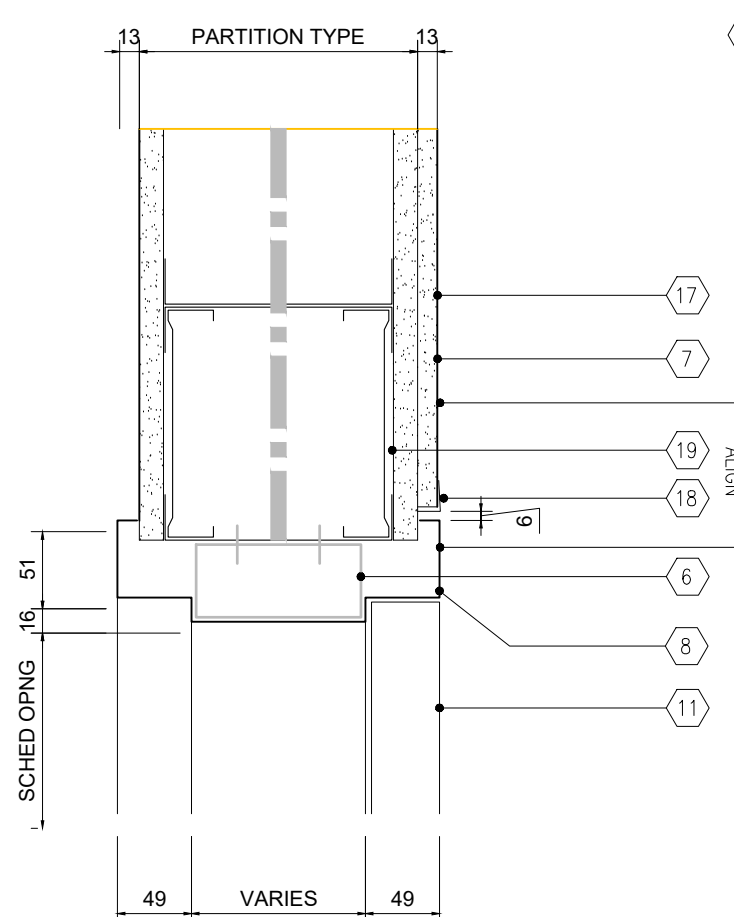
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TG, PW, KY	TG, PW, KY	TG, PW, KY
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Patkau Arch. Inc.	Greg Boothroyd	PER DWG
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		
Drawing Set No./N° de série du dessin		

Drawing Legend
NOT IN CONTRACT

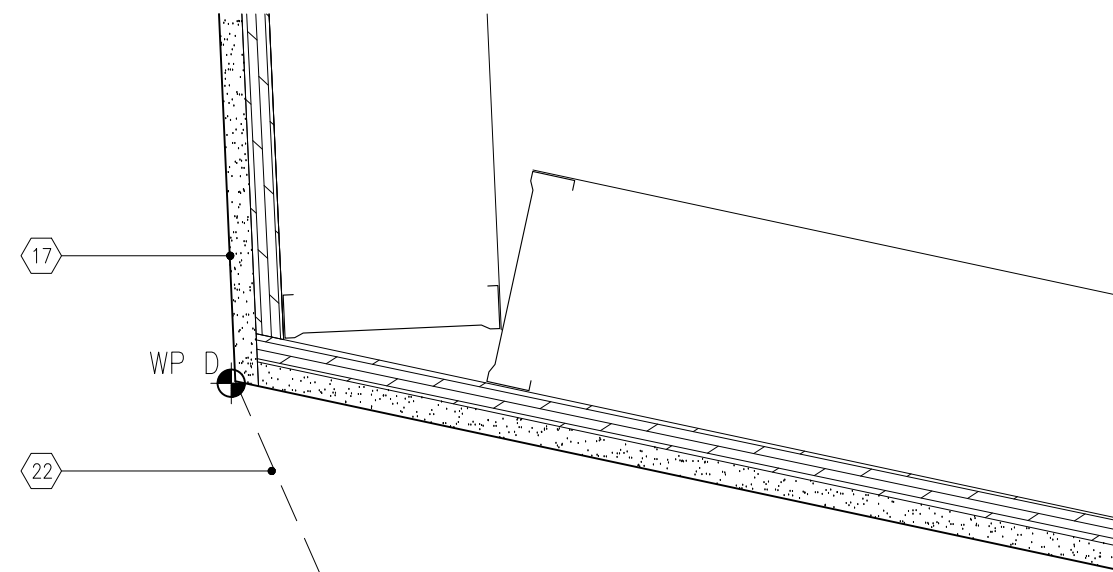
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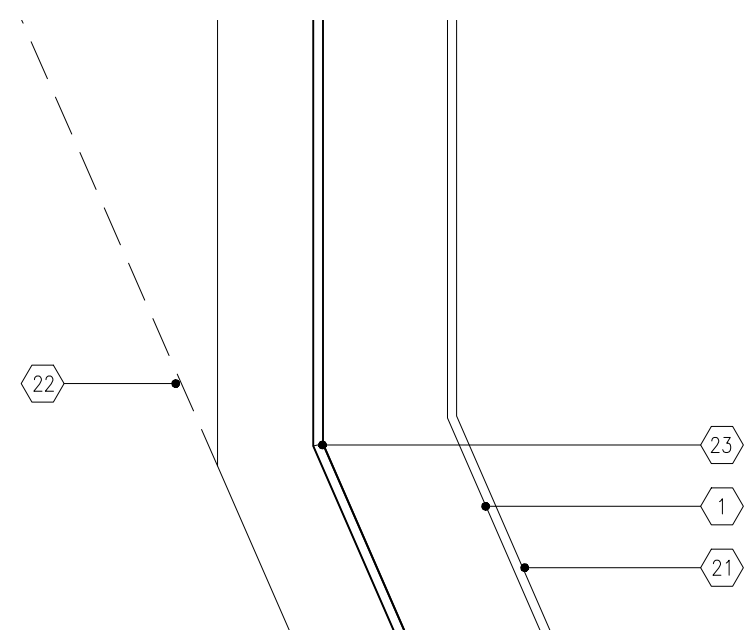
13 RATED HOLLOW METAL DOOR JAMB
1:5



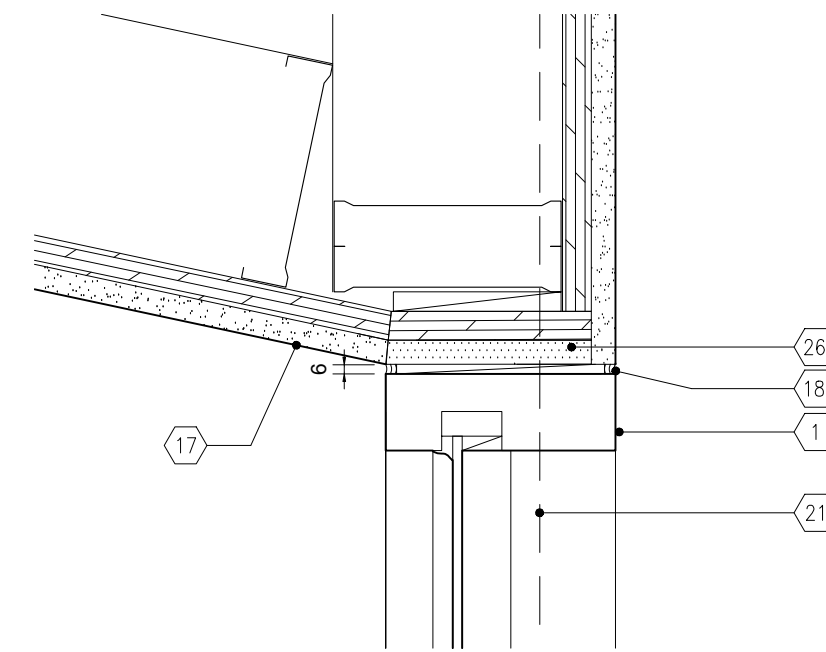
11 RATED HOLLOW METAL HEADER
1:5



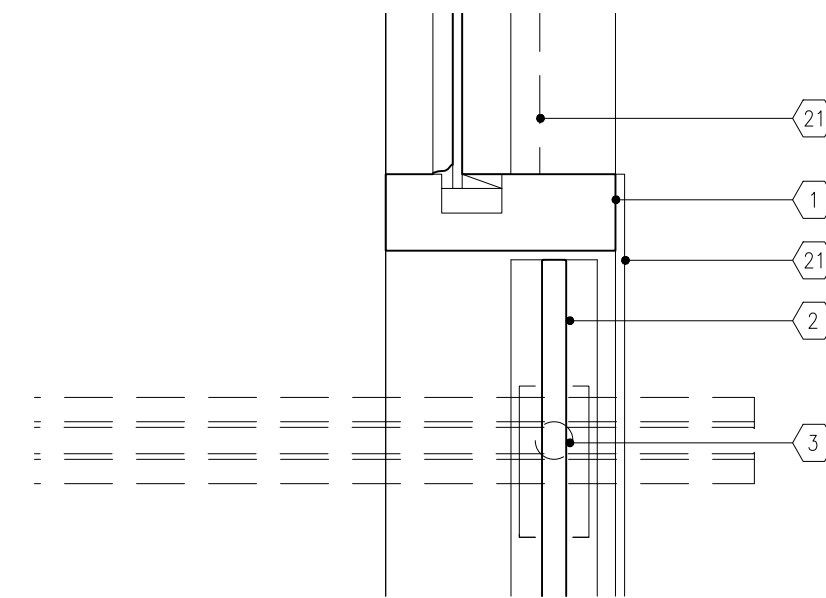
9 BULKHEAD INTERSECTION @ ANGLED WALL
1:5



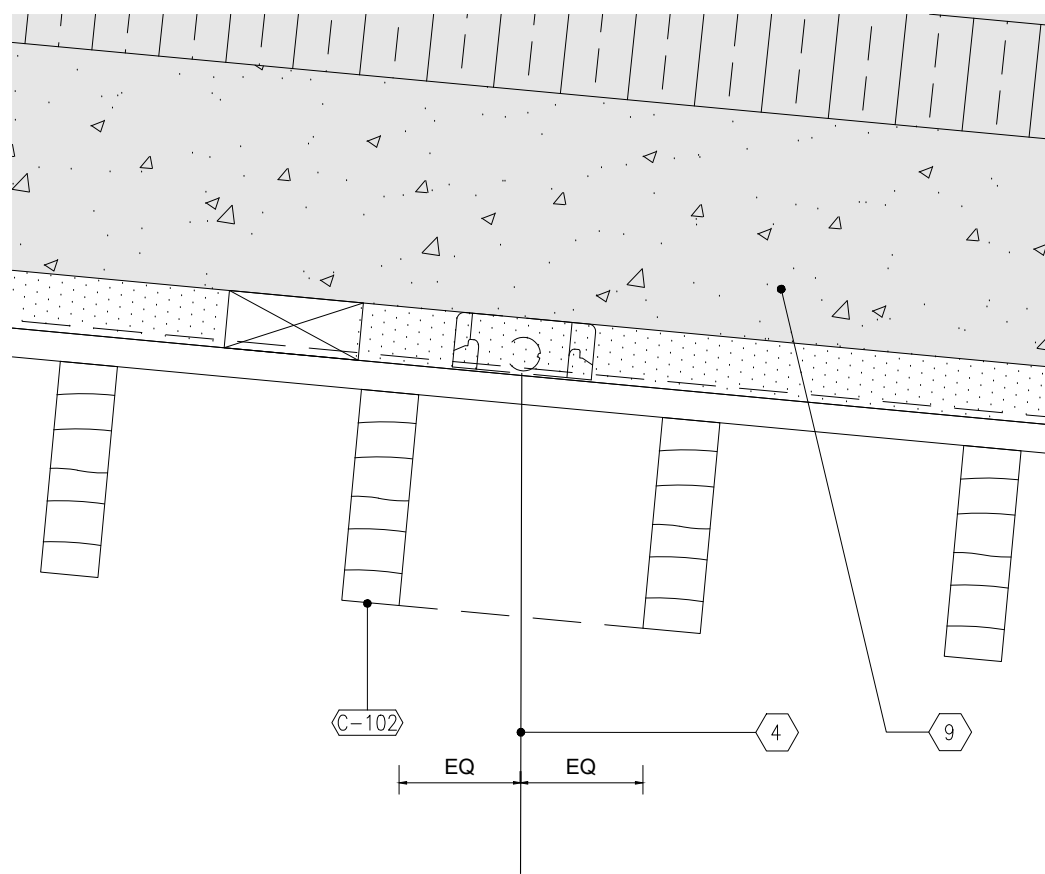
8 SILLICONE JOINT | RETAIL GLAZING
1:5



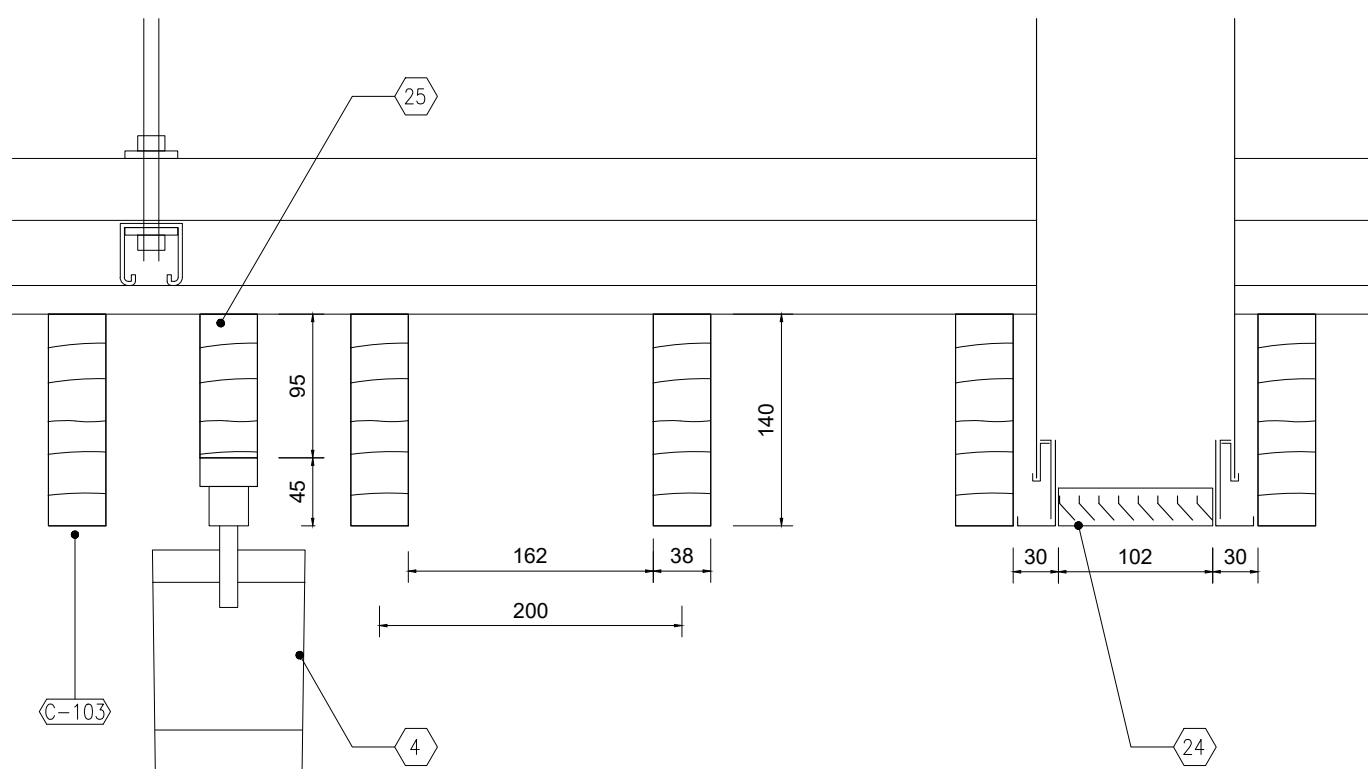
4 JAMB | RETAIL GLAZING
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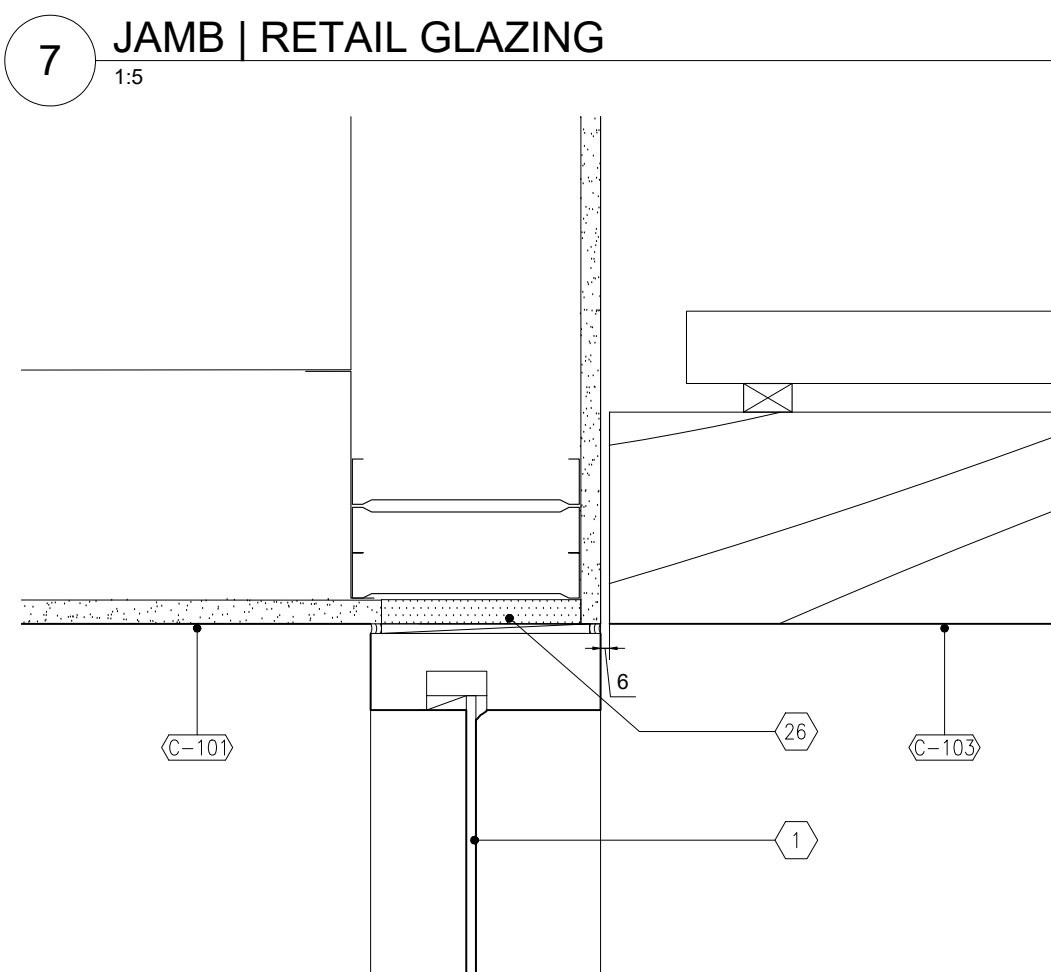
3 JAMB | RETAIL GLASS DOORS
1:5



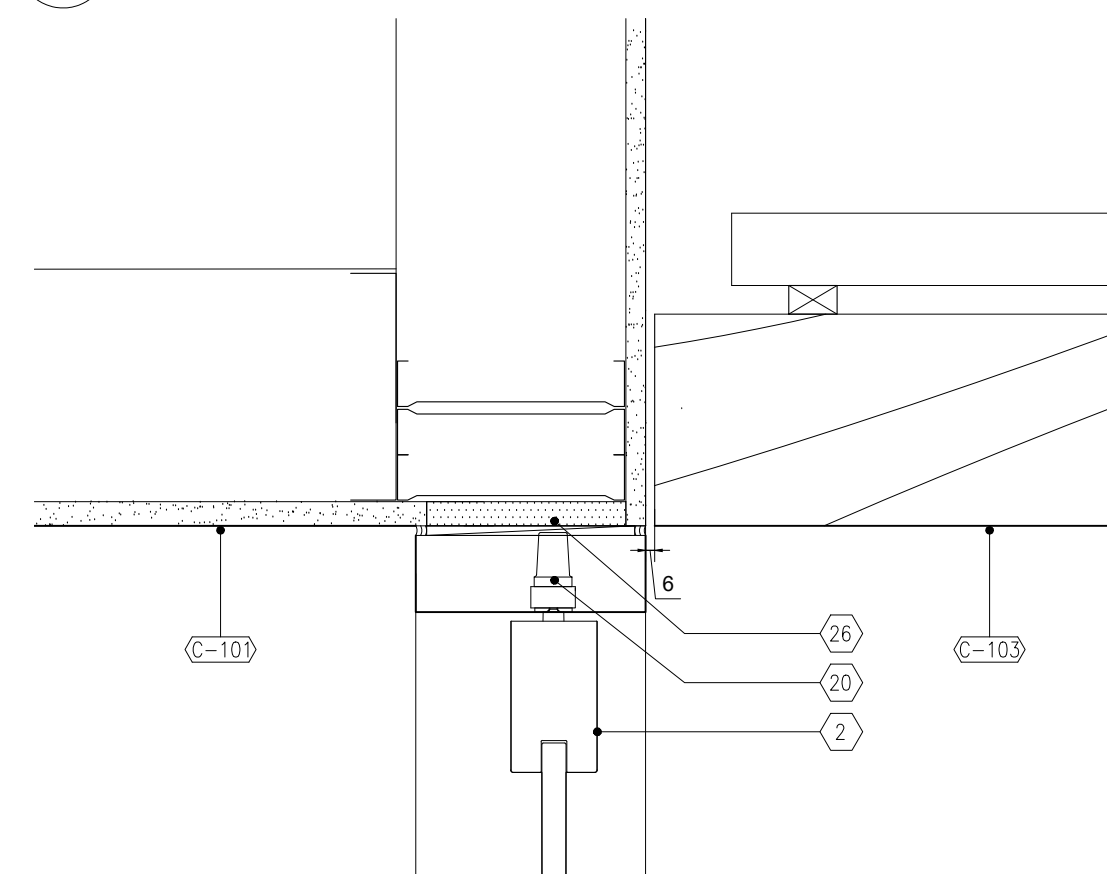
12 WOOD SLAT CEILING AT PENDANT LIGHTING
1:5



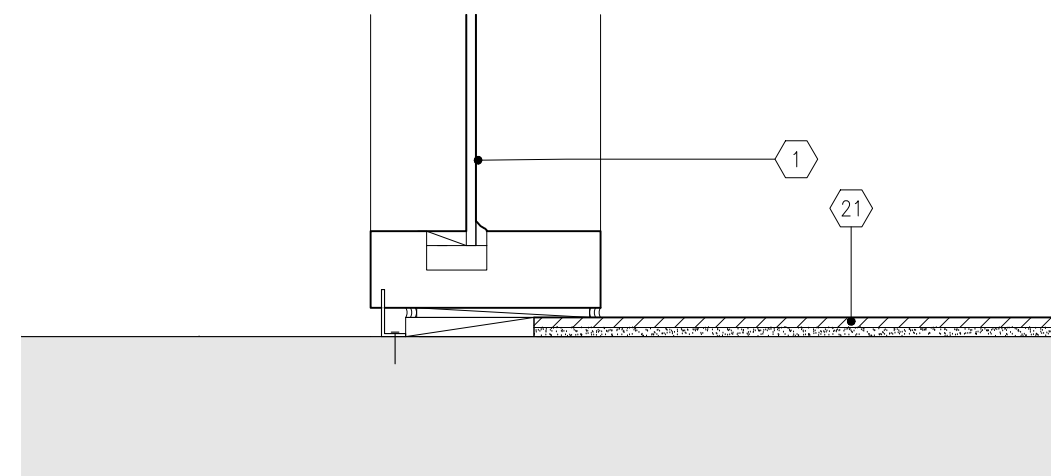
10 WOOD SLAT CEILING WITH TRACK LIGHTING
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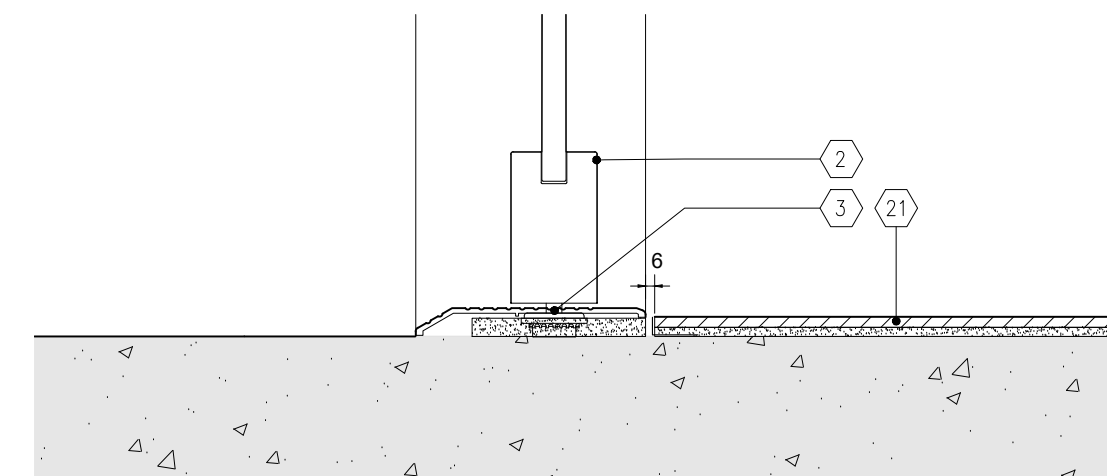
6 HEADER | RETAIL GLAZING
1:5



2 HEADER @ RETAIL GLASS DOORS
1:5



5 SILL | RETAIL GLAZING
1:5



1 THRESHOLD @ RETAIL GLASS DOORS
1:5



Drawing Legend
NOT IN CONTRACT

NOTES

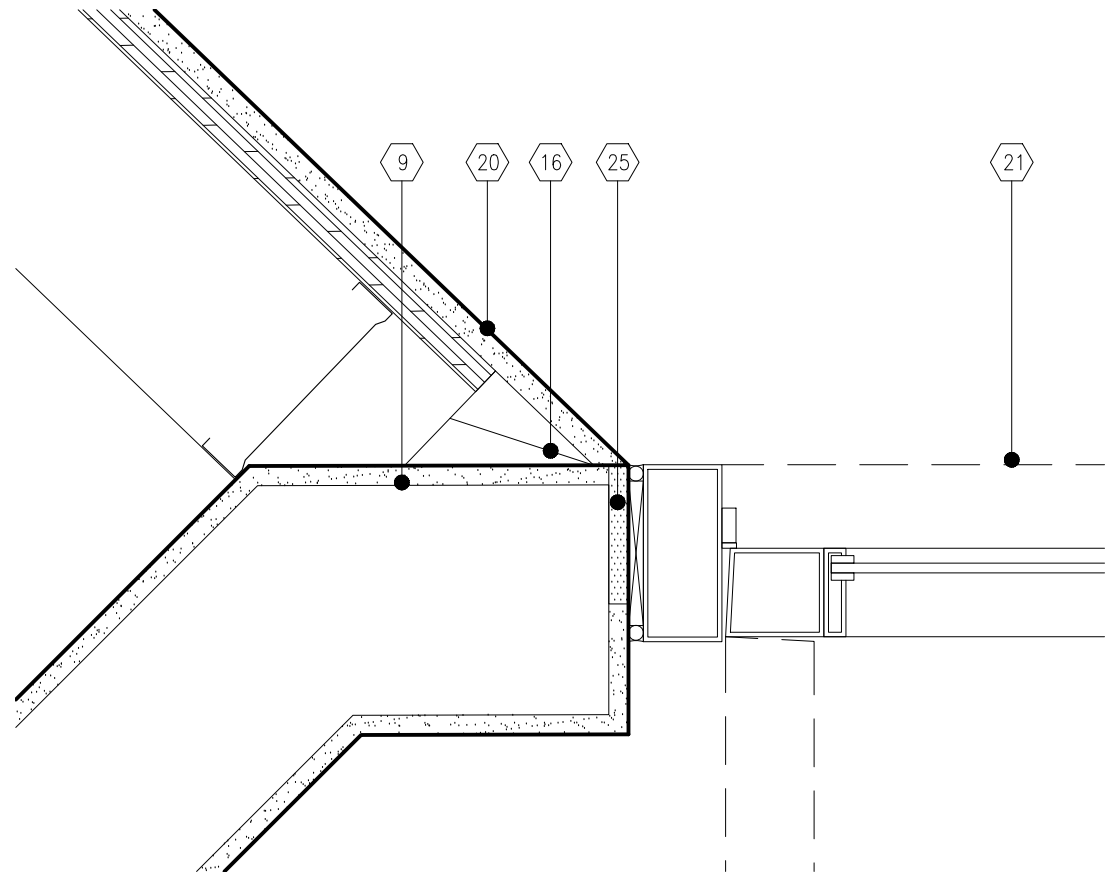
- INTERIOR GLAZING
- GLASS SWING DOOR
- THRESHOLD W/BOTTOM PIVOT GROUTED IN
- LIGHT PER ELEC.
- COMPOSITE STEEL STUD JAMB
- WELD-IN STEEL 'Z' ANCHOR
- ALIGN FACE OF DRYWALL WITH FACE OF DOOR FRAME
- PRESSED STEEL DOOR FRAME
- EXISTING TO REMAIN, NOT IN CONTRACT
- CONCEALED SWING DOOR OPERATOR
- SCHEDULED DOOR TYPE
- DRYWALL (LAP TO MAINTAIN FIRE RATING AS INDICATED)
- PLYWOOD
- 22mm FURRING CHANNEL
- COLUMN W/ BASE PLATE PER STRUCT.
- BLOCKING AS REQ.
- WALL AS SCHEDULED
- 6mm SHADOW REVEAL AT DRYWALL EDGE
- COMPOSITE STEEL STUD HEADER
- HEADER W/TOP CLOSER
- EDGE OF TILE FLOOR
- DRYWALL BULKHEAD (ABOVE)
- STRUCTURAL SILICONE JOINT
- DIFFUSER PER MECH.
- LIGHTING TRACK PER ELEC. FASTENED TO WOOD TO MATCH C-103
- PAINTED BLACK
- MDF, PAINT TO MATCH ADJACENT WALL

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1	2018-05-18	30% PROGRESS	PW	GB
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

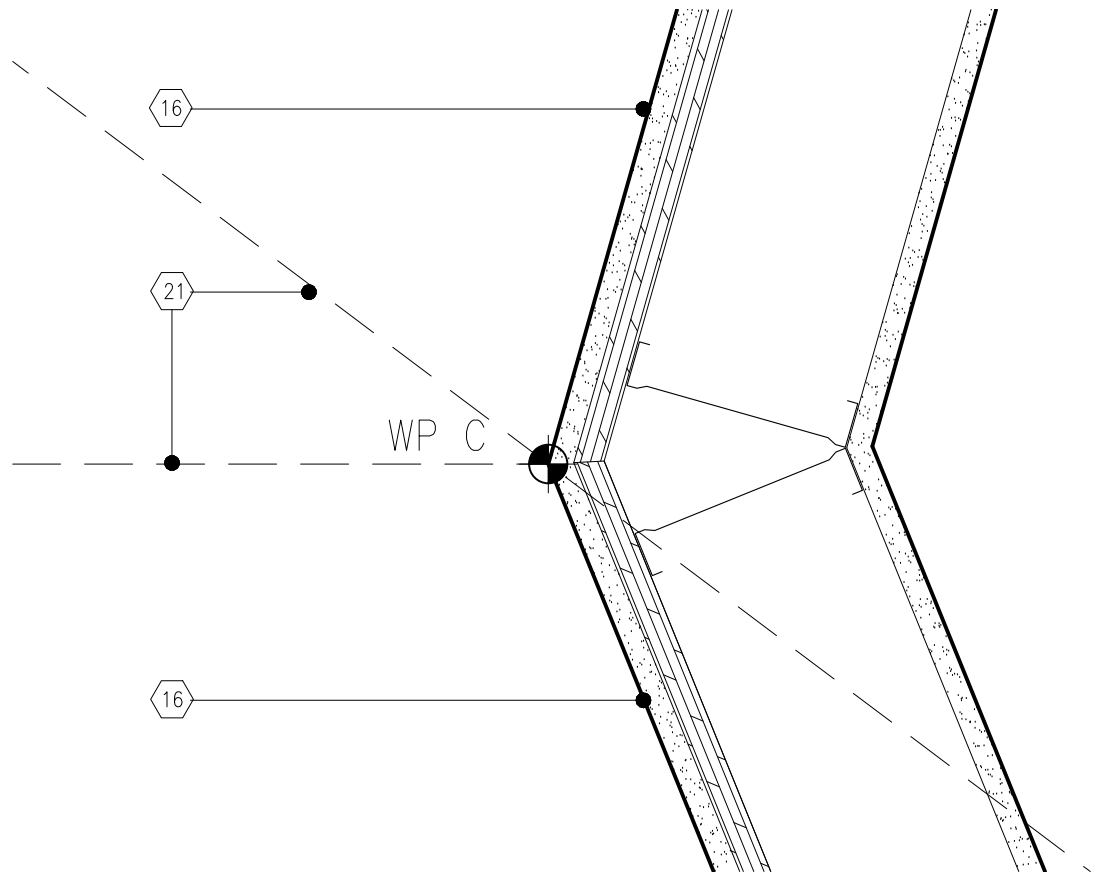
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Consultant's Name Nom de l'expert-conseil				
PATKAU ARCHITECTS INC.				
Eng. Stamp Sceau de l'ingénieur				

 Parks Canada	Parcs Canada
Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord
	

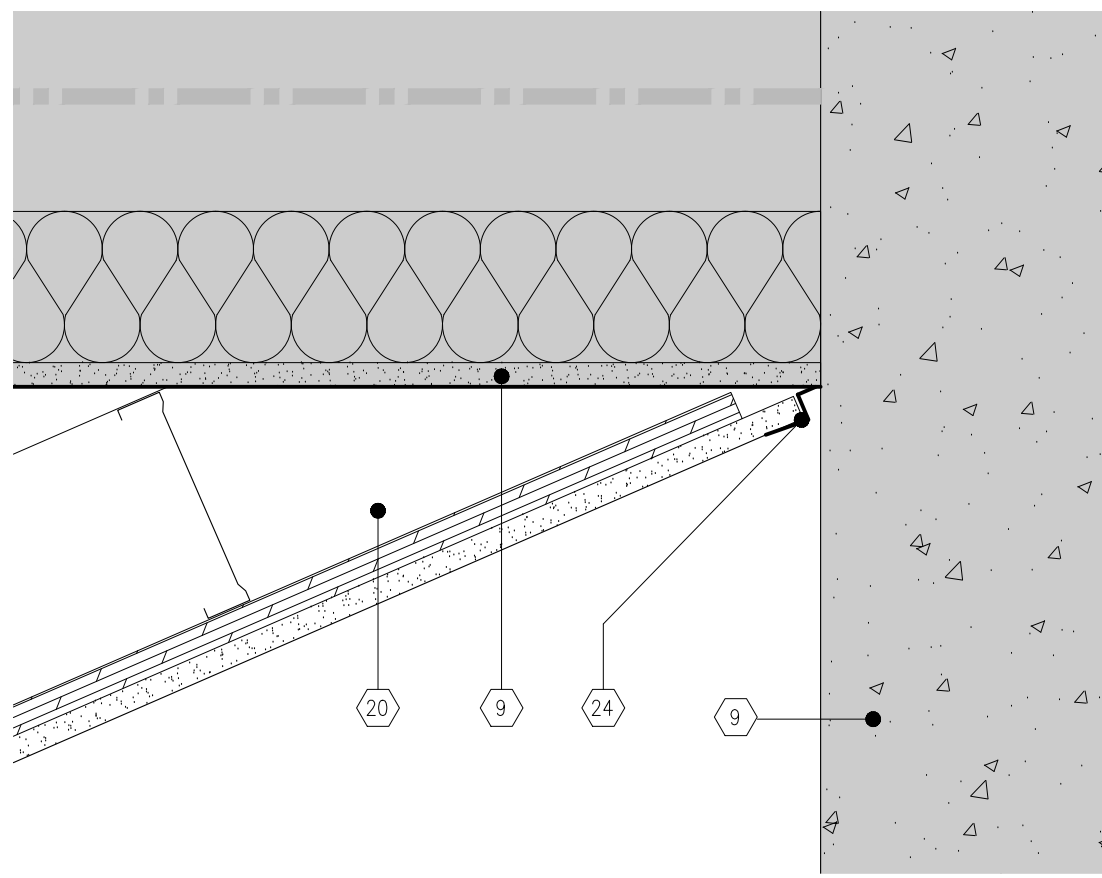
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Designed by/Concept par Patkau Arch. Inc.	Reviewed by/Revisé par Greg Boothroyd	Scale/Echelle PER DWG
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./N° du projet 0079.02		Asset No./N° du bien
Drawing Set No./N° de série du dessin		Sheet No./N° de la feuille A3.5



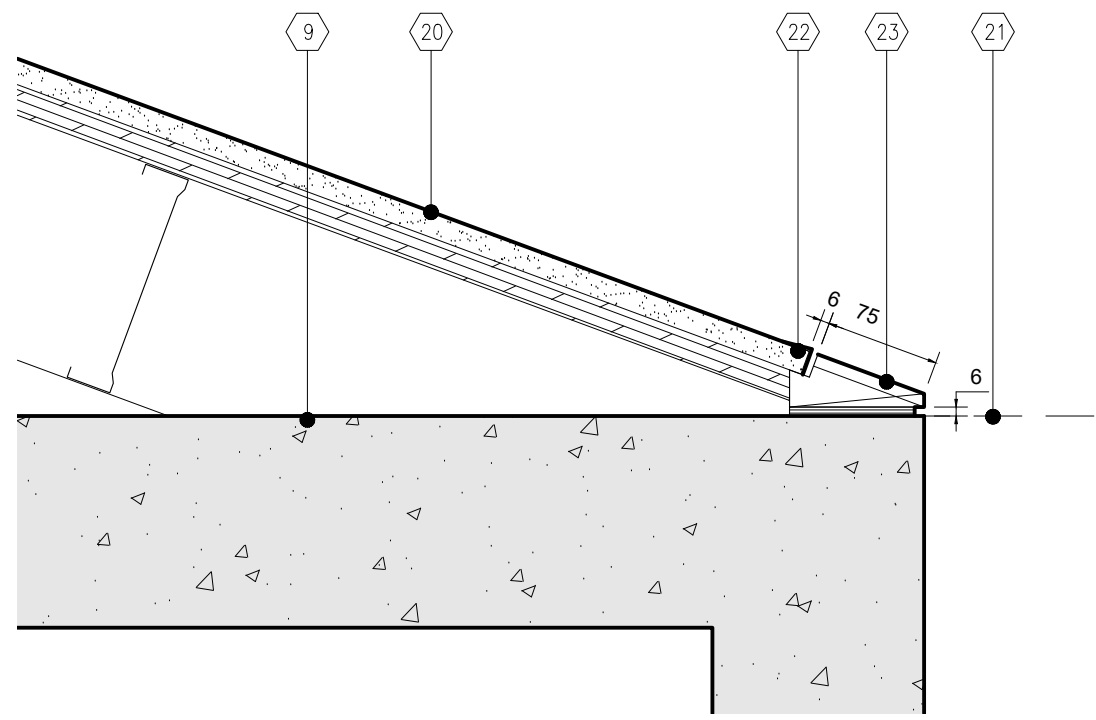
4 PLAN | DOOR JAMB @ ANGLED PARTITION
1:5



3 PLAN | BULKHEAD, COLUMN, WALL INTERSECTION
1:5



2 PLAN | PARTITION @ EXT. WALL INTERSECTION
1:5



1 PLAN | NEW PARTITION @ EXSITING CONC. WALL
1:5

Drawing Legend
NOT IN CONTRACT

- NOTES** ⓘ
1. EXTERIOR CURTAIN WALL, ALIGN WITH EXISTING
 2. EXTERIOR SWING DOOR
 3. THRESHOLD (BELOW) PRESSURE TREATED BLOCKING AS REQ.
 4. HC DOOR OPERATOR PER ELEC.
 5. 3 mm CLEAR ANODIZED ALUMINUM PLATE, INSULATION AS INDICATED
 6. BACKER ROD + CAULK
 7. SPRAYFOAM
 8. WATERPROOF MEMBRANE FLASHING, LAP AND SEAL TO EXISTING
 9. EXISTING TO REMAIN, NOT IN CONTRACT
 10. AUTOMATIC SWING DOOR OPERATOR
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 12. DRYWALL (LAP TO MAINTAIN FIRE RATING AS INDICATED)
 13. PLYWOOD
 14. 22mm FURRING CHANNEL
 15. COLUMN W/ BASE PLATE PER STRUCT.
 16. BLOCKING AS REQ.
 17. CUSTOM DRYWALL ANGLE
 18. L TRIM AT DRYWALL EDGE
 19. FIXED SIDELIGHT OF SLIDING GLASS DOOR
 20. WALL AS SCHEDULED
 21. BULKHEAD OR BEAM (ABOVE)
 22. DRYWALL REVEAL
 23. 89x69mm PAINT GRADE HARDWOOD TRIM FLOOR TO CEILING ON 6mm PLYWD SHIM TO CREATE REVEAL
 24. DRYWALL SHADOW MOULD
 25. MDF PAINT TO MATCH ADJACENT WALL

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Nom de l'expert-conseil

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Detail number
Sheet number

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B Numéro de la feuille

Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Eng. Stamp
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Strategic Asset Management,
Western and Northern Region

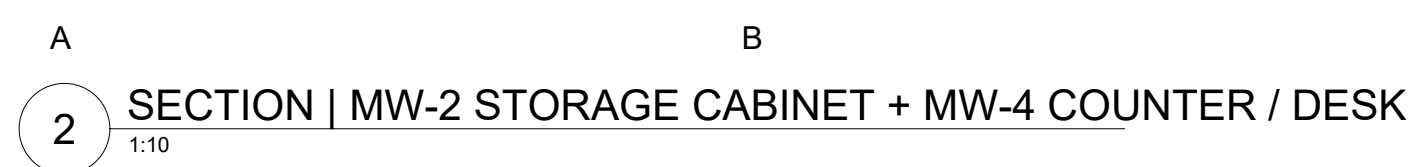
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Région de l'Ouest et du Nord

Canada

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Project No./Nº du projet	Asset No./Nº du bien	Sheet No./Nº de la feuille
Drawing Set No./Nº de série du dessin		A3.6



- ## NOTES
1. CONT 38x50x6mm ALUM. ANGLE POWDER COATED TO MATCH COUNTERTOP
 2. COUNTERTOP: PLLAM. ON SOLID 19mm SUBSTRATE AND BACKER SHEET
 3. CONT. 150mm DROP EDGE
 4. POWER/DATE PER ELEC.
 5. FLUSH MOUNT COUNTER SUPPORT BRACKET PAINTED TO MATCH COUNTERTOP
 6. OUTLINE OF SOLID BLOCKING NESTED IN STEEL STUD
 7. SURFACED DIMENSIONAL LUMBER C/W STAGGERED JOINTS DISCUITED. GLUED AND FASTENED, SANDED SMOOTH + CLEAR COAT FINISH TO CREATE "BUTYHER BLOCK" TYPE CONTRAST ON 19mm PLYWD.
 8. HEATER PER MECH
 9. EXISTING TO REMAIN, NOT IN CONTRACT
 10. BRACKET TO SUPPORT PANEL
 11. GROMMET FOR CHORDS
 12. GRILLE PER MECH
 13. PLLAM ON SOLID 19mm SUBSTRATE C/W CLEATS
 14. ADJUSTABLE SHELVING
 15. NOT USED
 16. BLOCKING AS REQ.
 17. WALL AS SCHEDULED
 18. ALIGN MILLWORK WITH DRYWALL
 19. CONTINUOUS ALUMINUM ANGLE

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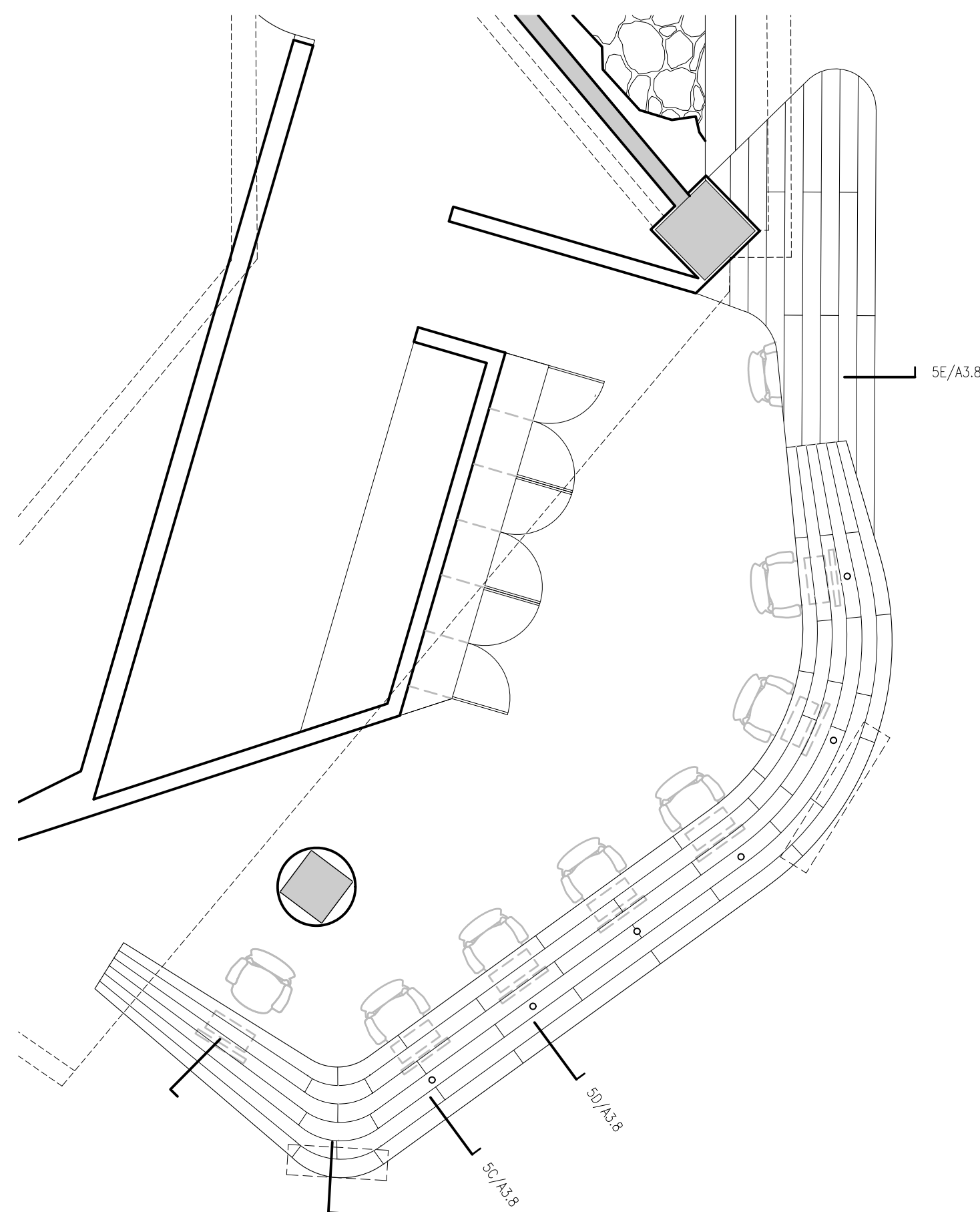
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Consultant's Name Nom de l'expert-conseil	
PATKAU ARCHITECTS INC.	

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Linear dimensions in millimètres	Dimensions linéaires en millimètres	
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Drawing title/Titre du dessin

MILLWORK DETAILS

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Date		Date
Project No./N° du projet 0079.02	Asset No./N° du bien	Sheet No./ N° de la feuille
Drawing Set No./N° de série du dessin		A3.7



NOTES

MILLWORK KEY NOTES

1.

SURFACED DIMENSIONAL LUMBER C/W STAGGERED JOINTS, BISCUITED GLUED AND FASTENED, SANDED SMOOTH + CLEAR COAT FINISH TO CREATE "BUTCHER BLOCK" TYPE COUNTER ON 15mm PLYWD

2.

GROMMET FOR POWER TYP.

3.

EXAMPLE DIMENSIONAL LUMBER (8x12) TO FABRICATE RADIUS

4.

FURNITURE + COMPUTER NOT IN CONTRACT

5.

PLYWOOD CABINETS C/W CUBBIES + DRAWERS

6.

PLYWOOD

7.

POWER AND DATA PER ELEC. WIRING AND ROUTING T.B.C. DURING SHOP DRAWINGS

8.

BISCUIT

9.

ADJUSTABLE SHELVING

10.

DRAWER

11.

UNDER COUNTER LIGHT PER ELEC.

12.

LINE OF DESK (ABOVE)

13.

LINE OF DESK (BELOW)

14.

SEAMS BETWEEN DIMENSIONAL LUMBER TO BE STAGGERED

15.

UNDERSIDE OF DIMENSIONAL LUMBER EXPOSED TO VIEW DUE TO DESK GEOMETRY

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PATKAU ARCHITECTS INC.				

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Detail number

Sheet number

A Numéro de détail

B Numéro de la feuille

Linear dimensions
en millimètres

Dimensions linéaires
en millimètres

Eng. Stamp
Sceau de l'ingénieur

Parks Canada

Strategic Asset Management,
Western and Northern Region

Parcs Canada

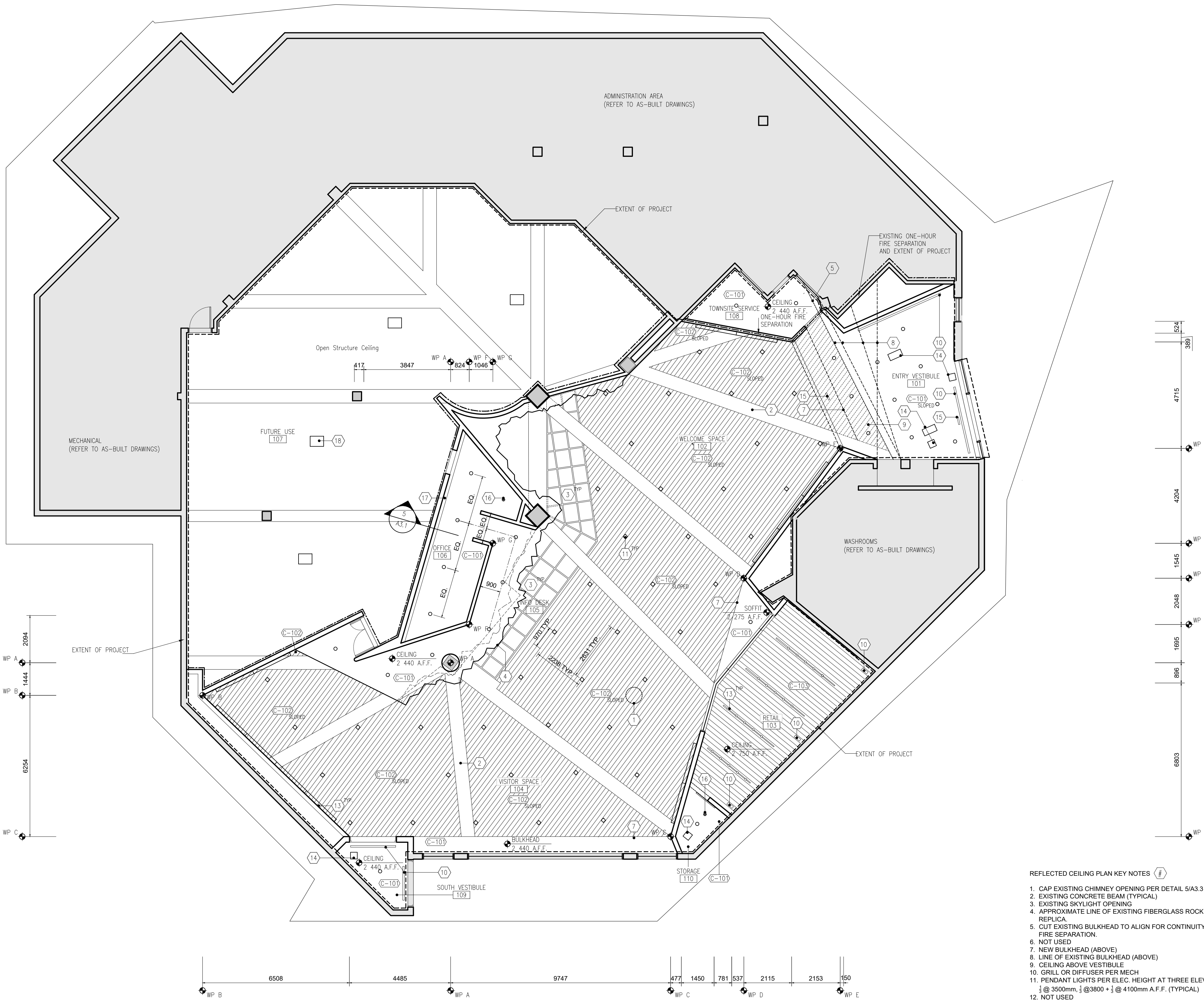
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Drawing Set No./N° de série du dessin		A3.8



REFLECTED CEILING PLAN KEY NOTES

- CAP EXISTING CHIMNEY OPENING PER DETAIL 5/A3.3
- EXISTING CONCRETE BEAM (TYPICAL)
- EXISTING SKYLIGHT OPENING
- APPROXIMATE LINE OF EXISTING FIBERGLASS ROCK WALL REPLICA
- CUT EXISTING BULKHEAD TO ALIGN FOR CONTINUITY OF NEW FIRE SEPARATION
- NOT USED
- NEW BULKHEAD (ABOVE)
- LINE OF EXISTING BULKHEAD (ABOVE)
- CEILING ABOVE VESTIBULE
- GRILL OR DIFFUSER PER MECH
- PENDANT LIGHTS PER ELEC. HEIGHT AT THREE ELEVATIONS
 $\frac{1}{2}$ @ 350mm, $\frac{1}{2}$ @ 3800 + $\frac{1}{2}$ @ 4100mm A.F.F. (TYPICAL)
- NOT USED
- WALL MOUNTED DISPLAY LIGHTING PER ELEC. (TYPICAL)
- ACCESS PANELS PER MECH
- PENDANT MOUNT EXIT SIGN PER ELEC.
- SMOKE ALARM PER ELEC.
- SLOT FOR RETURN AIR PER MECH.
- LIGHT PER ELEC.

Drawing Legend

NOT IN CONTRACT

1 REFLECTED CEILING PLAN
1:100

NOTES

1.

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Detail number

A Numéro de détail

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Eng. Stamp
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Parks Canada

Parcs Canada

Strategic Asset
Management,
Western and Northern
Region

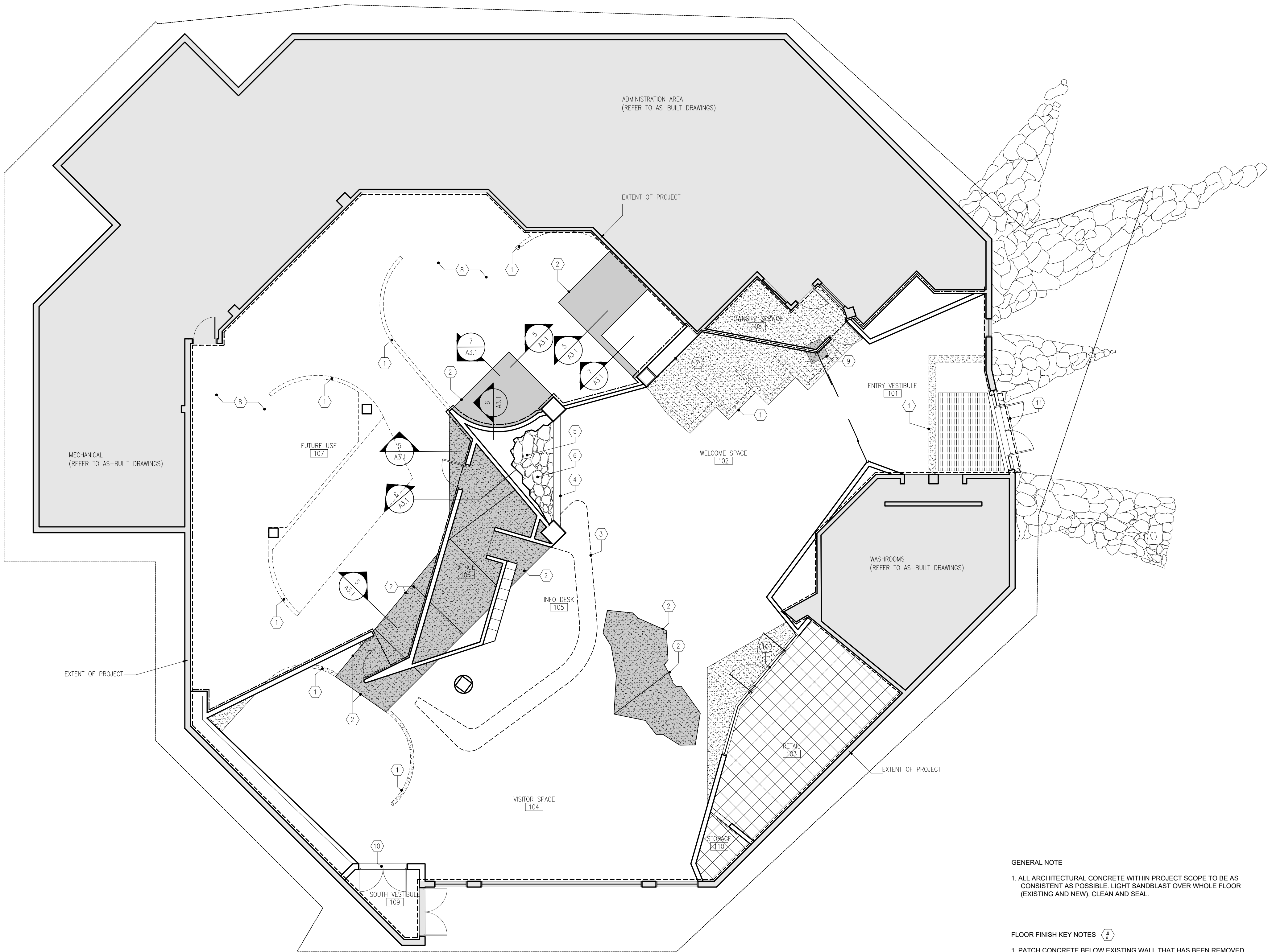
Gestion Stratégique
des Biens,
Région de l'Ouest et
du Nord

Canada

Drawing title/Titre du dessin

REFLECTED CEILING PLAN

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Patkau Arch. Inc.	TG, PW, KY	TG, PW, KY
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Patkau Arch. Inc.	Greg Boothroyd	PER DWG
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Date	Date	Date
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		A4.1
Drawing Set No./N° de série du dessin		



- NEW SLAB ON GRADE, SMOOTH FINISH
REFER TO STRUCTURAL
APPROXIMATE AREA = 65 SQ M
- NEW SLAB ON GRADE, EXPOSED AGGREGATE FINISH (MATCH EXISTING)
REFER TO STRUCTURAL
APPROXIMATE AREA = 25 SQ M
- EXISTING SLAB ON GRADE, SMOOTH FINISH
NEW EXPOSED AGGREGATE FINISH (MATCH EXISTING)
APPROXIMATE AREA = 45 SQ M
- NEW WALK OFF GRILLE
APPROXIMATE SIZE = 3.5 M x 2.5 M
- NEW CERAMIC TILE ON THINSET, FINAL LAYOUT TO BE COORDINATED WITH
EXISTING CONTROL JOINTS BASED ON SITE MEASUREMENTS
APPROXIMATE AREA = 45 SQ M

GENERAL NOTE

1. ALL ARCHITECTURAL CONCRETE WITHIN PROJECT SCOPE TO BE AS CONSISTENT AS POSSIBLE. LIGHT SANDBLAST OVER WHOLE FLOOR (EXISTING AND NEW), CLEAN AND SEAL.

- FLOOR FINISH KEY NOTES
1. PATCH CONCRETE BELOW EXISTING WALL THAT HAS BEEN REMOVED. MATCH ADJOINING FINISH.
2. CONTROL JOINT (TYPICAL) PER STRUCT.
3. INFORMATION DESK NOT SHOWN FOR CLARITY.
4. EXISTING CONCRETE CURB TO REMAIN, REMOVE STEEL GUARD
5. EXISTING LOOSE ROCK, REMOVE, CLEAN, AND REPLACE
6. ADD SALVAGED, LOOSE ROCKS FROM EXHIBIT DEMO BELOW LOOSE ROCK TO RAISE FINISH SURFACE TO 300MM BELOW FINISH FLOOR.
7. DEMOLISH BASE OF WALL + INSTALL NEW BASE PER DETAIL 7/A3.3
8. EXISTING FLOOR CLEANED AND SEALED FOR FUTURE USE
9. PATCH OPENING IN SLAB FOR NEW FOOTING (BELOW) PRE STRUCT.
10. THRESHOLD
11. THRESHOLD FULL WIDTH OF DOOR AND SIDELITE

Drawing Legend

NOT IN CONTRACT

1 FLOOR FINISHES
1:100

NOTES

1.

5	2018-10-05	ISSUED FOR TENDER	KY	GB
4	2018-09-21	99% PROGRESS	KY	GB
3	2018-09-07	90% PROGRESS	KY	GB
2	2018-08-07	60% PROGRESS	KY	GB
1	2018-05-18	30% PROGRESS	PW	GB
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

Consultant's Name
Nom de l'expert-conseil

PATKAU ARCHITECTS INC.

A
B

Detail number
Sheet number

A Numéro de détail
B Numéro de la feuille

Linear dimensions
in millimetres

Dimensions linéaires
en millimètres

Eng. Stamp
Sceau de l'ingénieur

Canada
Parks Canada
Strategic Asset
Management,
Western and Northern
Region

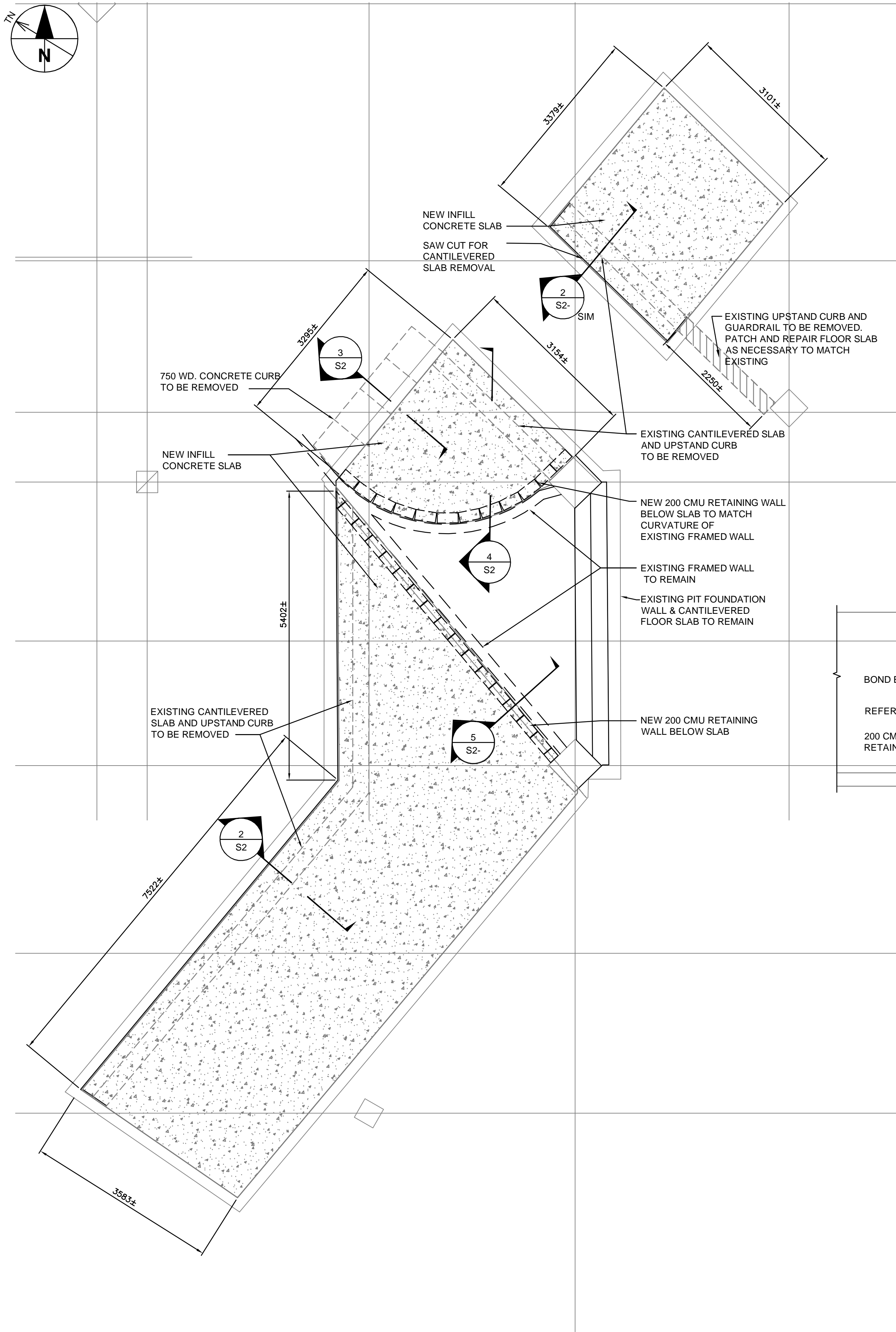
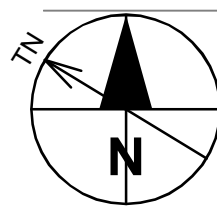
Parcs Canada
Gestion Stratégique
des Biens,
Région de l'Ouest et
du Nord

Canada

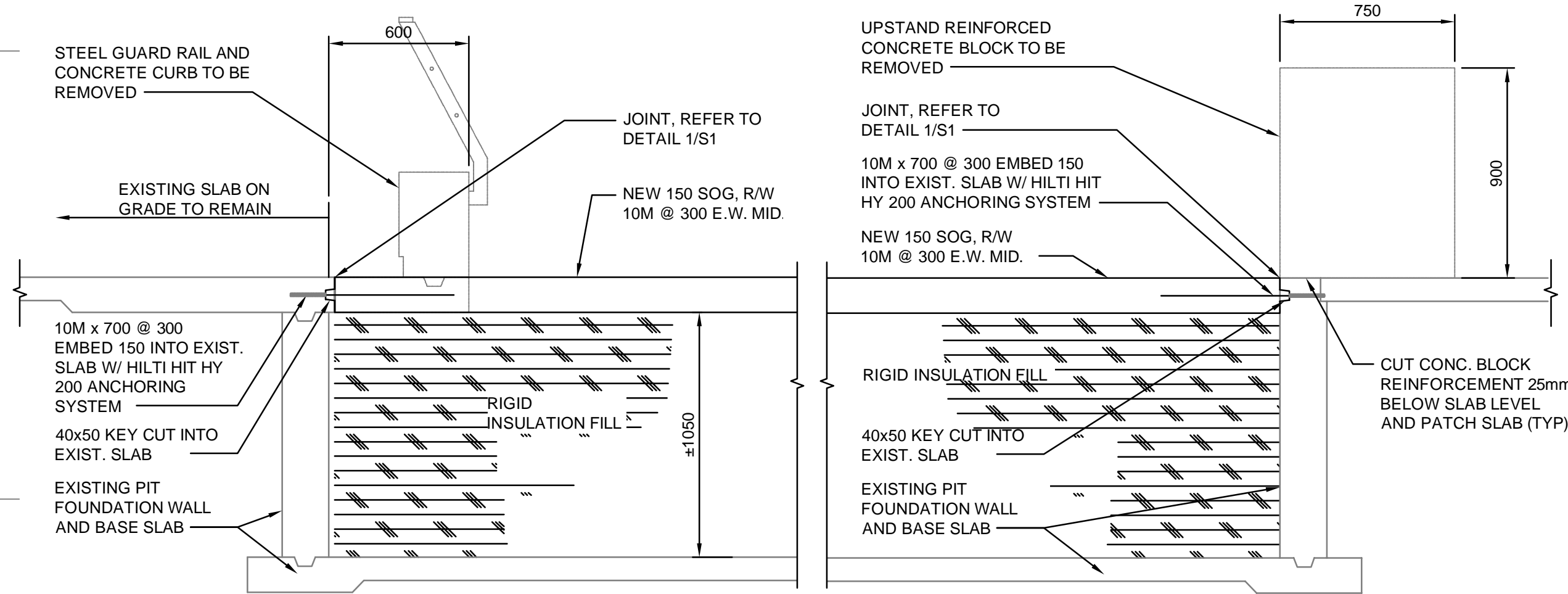
Drawing title/Titre du dessin

FLOOR FINISHES

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
Patkau Arch. Inc.	Greg Boothroyd	PER DWG
Client Acceptance/Acceptation du client	Approved by/Approuvé par	
Project No./N° du projet	Asset No./N° du bien	Sheet No./N° de la feuille
0079.02		A4.2
Drawing Set No./N° de série du dessin		

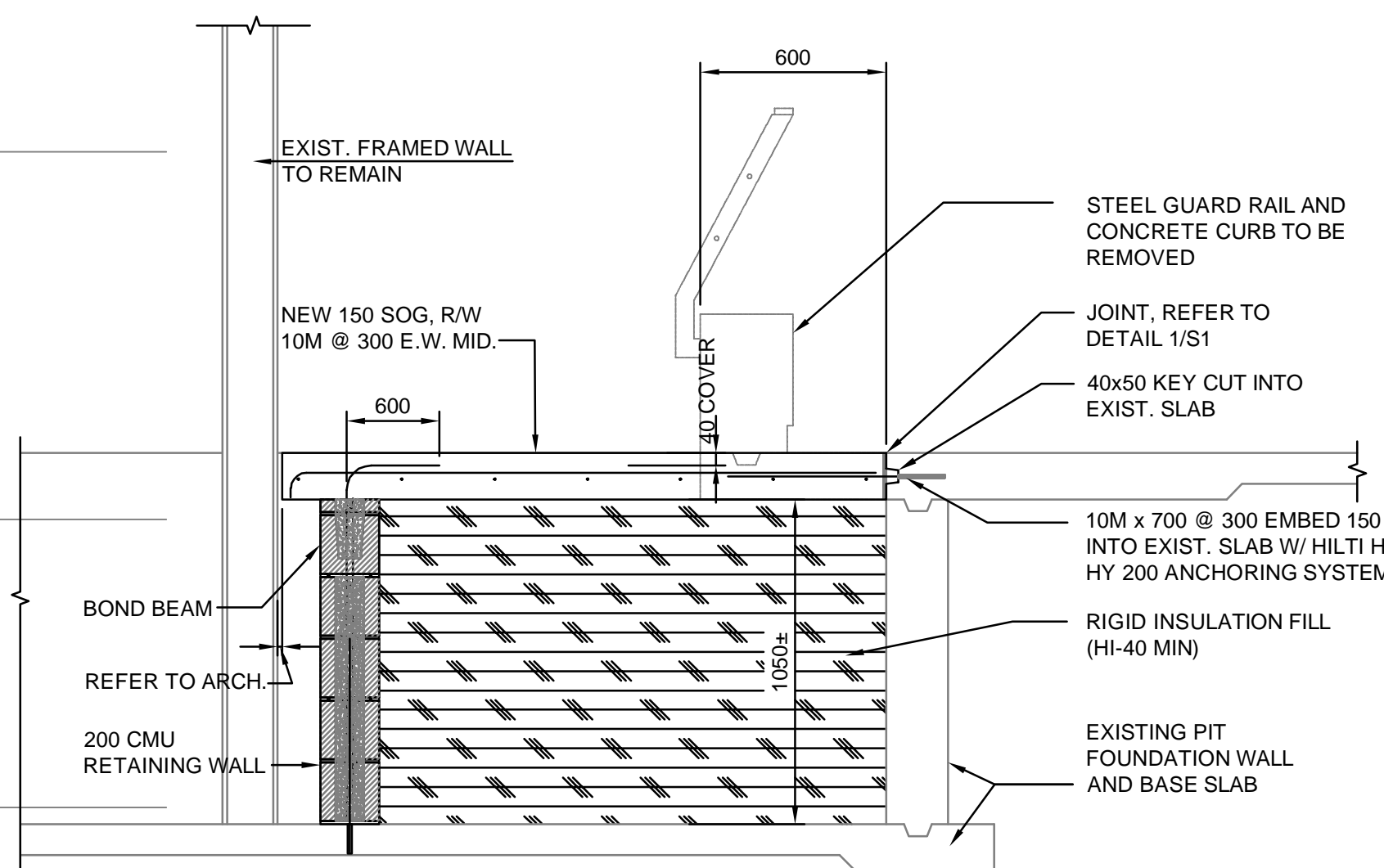


1 | SLAB DEMO AND NEW INFILL SLAB
S2 1:50

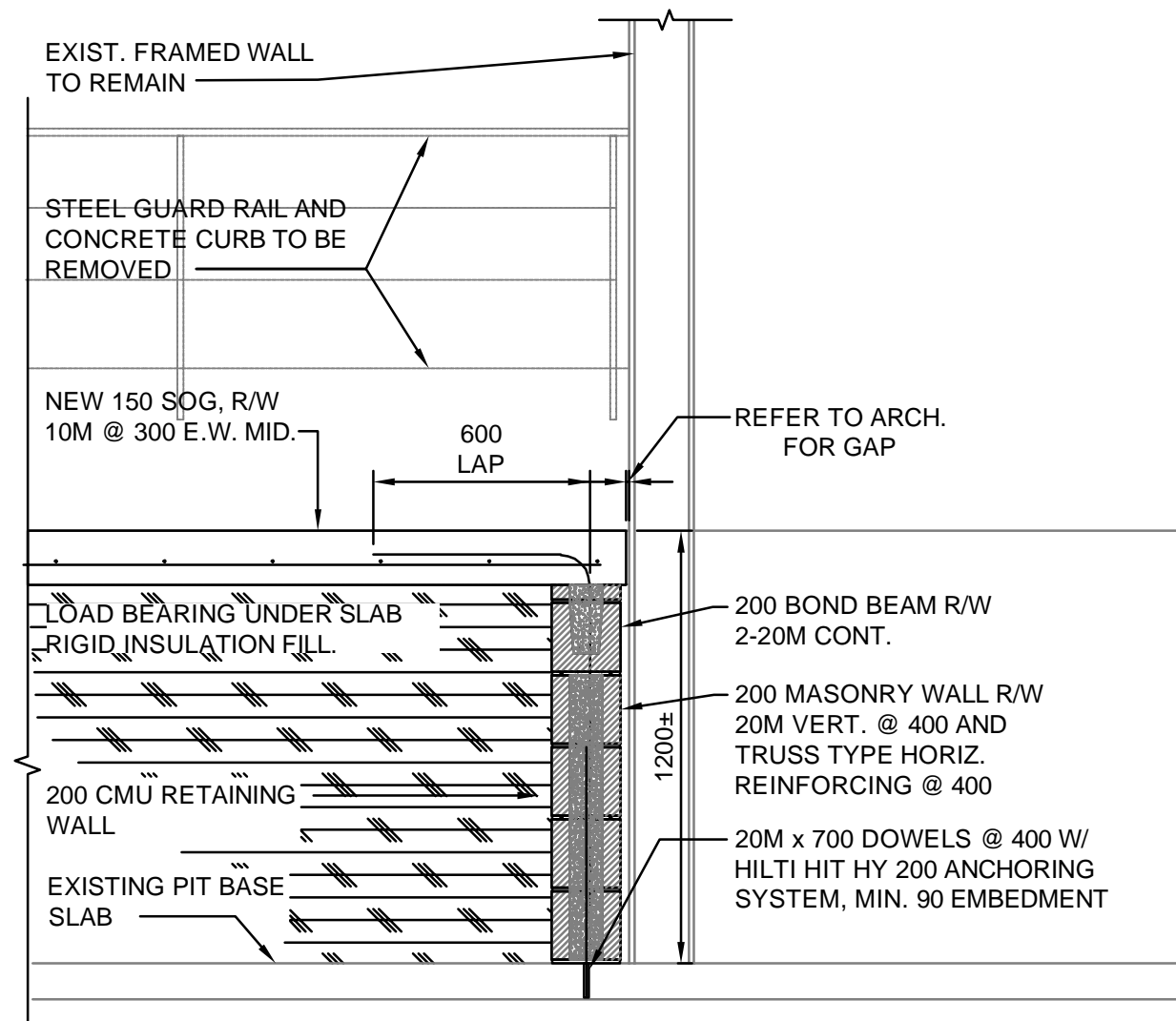


2 | PIT INFILL DETAIL
S2 1:20

3 | PIT INFILL DETAIL
S2 1:20



4 | PIT INFILL DETAIL
S2 1:20



5 | PIT INFILL DETAIL
S2 1:20

DEMOLITION SPECIFICATIONS:

1. DEMOLITION TO CONFORM TO THE NATIONAL BUILDING CODE 2015, PART 8, AND THE LATEST ALBERTA OCCUPATIONAL HEALTH AND SAFETY ACT, REGULATION AND CODE.

2. PRIOR TO DEMOLITION:

- LOCATE AND PROTECT UTILITIES, PRESERVE ACTIVE UTILITIES TRAVERSING SITE IN OPERATING CONDITION.
- NOTIFY AND OBTAIN APPROVAL OF UTILITY COMPANIES BEFORE STARTING DEMOLITION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A DEMOLITION PERMIT, AS REQUIRED.

3. DURING DEMOLITION:

- PROTECT FROM DAMAGE ALL MATERIALS AND COMPONENTS THAT ARE TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR RESTORING TO PRE-DEMOLITION CONDITION ALL REMAINING COMPONENTS AND SURROUNDING STRUCTURES DAMAGED DURING DEMOLITION.
- DISCONNECT, CAP, PLUG OR DIVERT, AS REQUIRED, EXISTING PUBLIC UTILITIES WITHIN THE PROPERTY WHERE THEY INTERFERE WITH THE EXECUTION OF THE WORK, IN CONFORMITY WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. MARK THE LOCATION OF THESE AND PREVIOUSLY CAPPED OR PLUGGED SERVICES ON THE SITE AND INDICATE LOCATION (HORIZONTAL AND VERTICAL) ON THE RECORD DRAWINGS. SUPPORT, SHORE UP AND MAINTAIN PIPES AND CONDUITS ENCOUNTERED.
- IMMEDIATELY NOTIFY DEPARTMENTAL REPRESENTATIVE AND UTILITY COMPANY CONCERNED IN CASE OF DAMAGE TO ANY UTILITY OR SERVICE, DESIGNATED TO REMAIN IN PLACE.
- IMMEDIATELY NOTIFY THE DEPARTMENTAL REPRESENTATIVE SHOULD UNCHARTED UTILITY OR SERVICE BE ENCOUNTERED, AND AWAIT INSTRUCTION REGARDING REMEDIAL ACTION.
- KEEP NOISE, DUST, AND INCONVENIENCE TO OCCUPANTS TO A MINIMUM.
- PROTECT BUILDING SYSTEMS, SERVICES AND EQUIPMENT.
- PROVIDE TEMPORARY DUST SCREENS, COVERS, RAILINGS, SUPPORTS AND OTHER PROTECTION AS REQUIRED.
- DO WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE HEALTH AND SAFETY ACT, REGULATION AND CODES.

4. CONTRACTOR SHALL SURVEY AND CHECK ACTUAL CONDITIONS AND DIMENSIONS ON SITE. DETAILS AND DIMENSIONS ON DRAWINGS ARE BASED ON OWNER SUPPLIED DRAWINGS. ALL DIMENSIONS TO BE IDENTIFIED AND CONFIRMED BY THE CONTRACTOR. CONTRACTOR TO INFORM THE DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.

5. CONTRACTOR IS RESPONSIBLE FOR REMOVAL FROM SITE AND DISPOSAL OF ALL DEMOLISHED MATERIAL. CONTRACTOR SHALL PLAN WORK SO THAT STOCKPILING IS MINIMIZED.

6. CLEANING:

- PROGRESS CLEANING: LEAVE WORK AREA CLEAN AT END OF EACH DAY.
- FINAL CLEANING: UPON COMPLETION REMOVE SURPLUS MATERIALS, RUBBISH, TOOLS AND EQUIPMENT. CONFIRM WITH CLIENT IF EXTRA MATERIAL FOR MAINTENANCE IS TO BE PROVIDED OR LEFT WITH CLIENT FOR FUTURE PATCH OR TOUCH-UPS.
- REFER TO DEMOLITION DRAWINGS AND NOTES FOR ITEMS TO BE SALVAGED FOR REUSE.
- REMOVE RECYCLING CONTAINERS AND BINS FROM SITE AND DISPOSE OF MATERIALS AT APPROPRIATE FACILITY.

7. PATCH & REPAIR:

- ALL WORK AFFECTED BY DEMOLITION THAT HAS NOT BEEN IDENTIFIED DIRECTLY IN NEW WORK IS TO BE PATCHED, REPAIRED, PAINTED OR FINISHED TO MATCH CONDITIONS OF EXISTING OR NEW CONSTRUCTION AND FINISHED TO MAKE GOOD.


NOT FOR CONSTRUCTION

3	2018.10.05	ISSUED FOR TENDER	BP	JV
2	2018.09.19	99% PROGRESS	BP	JV
No.	Date	Description	Drawn by Dessine par	Approved Approuve

Revision / Revision

<div><div>A</div><div>B</div></div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres

Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
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 Parks Canada	Parcs Canada
Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

AECOM

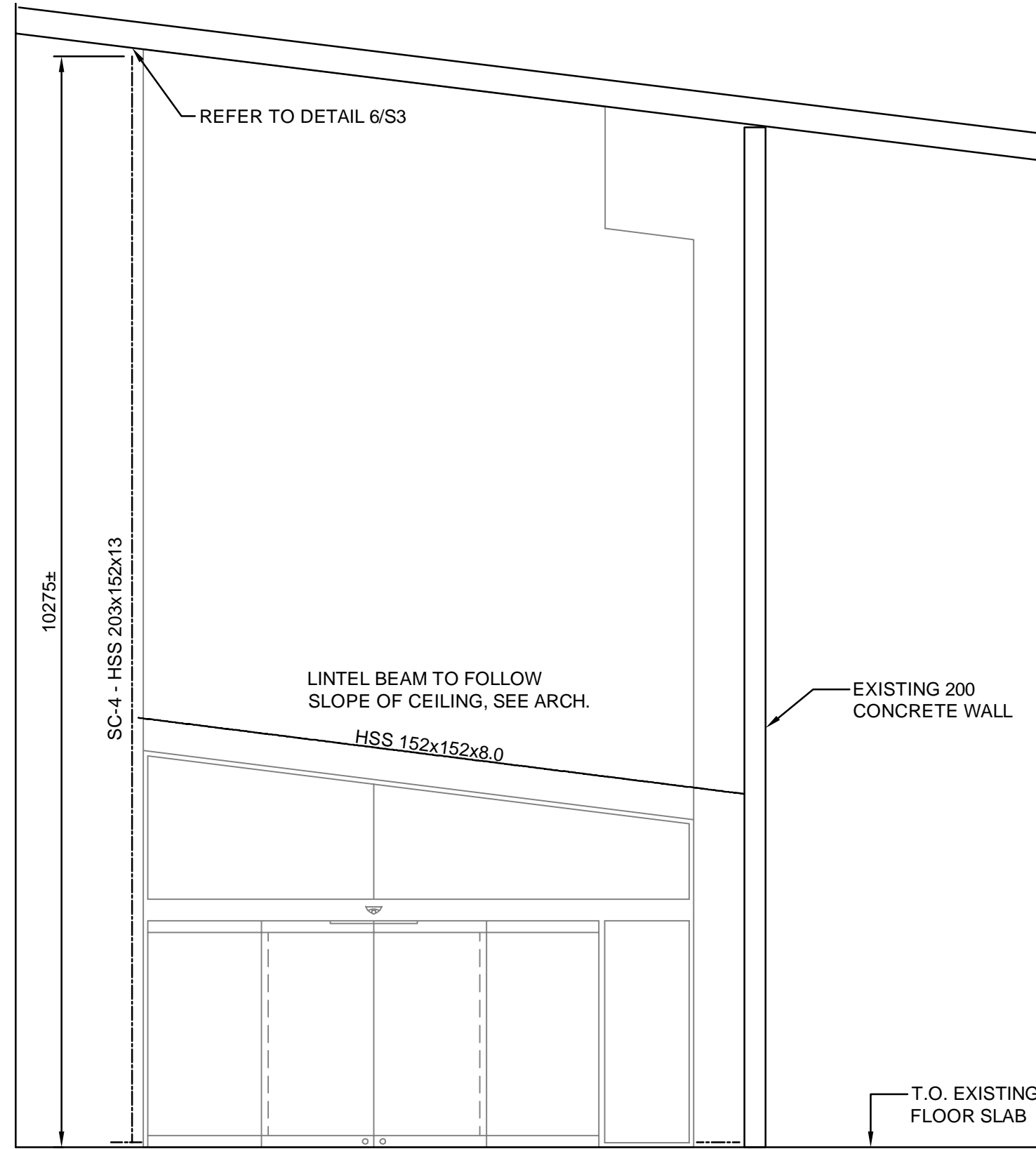
LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin
**FLOOR SLAB DEMOLITION
PIT INFILL & RETAINING WALL
PLAN AND DETAILS**

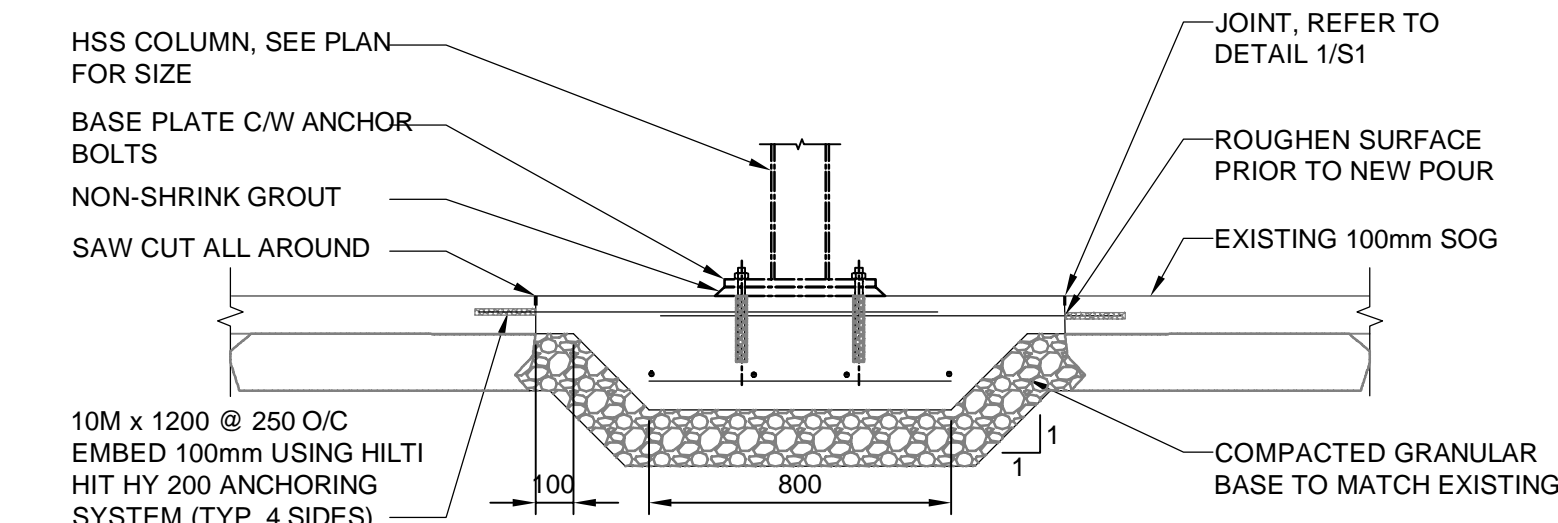
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Client Acceptance/Acceptation du client		Approved by/Approuve par
Date		Date
Project No./N° du projet 60572662	Asset No./N° du bien	Sheet No./ N° de la feuille S2
Drawing Set No./N° de série du dessin		



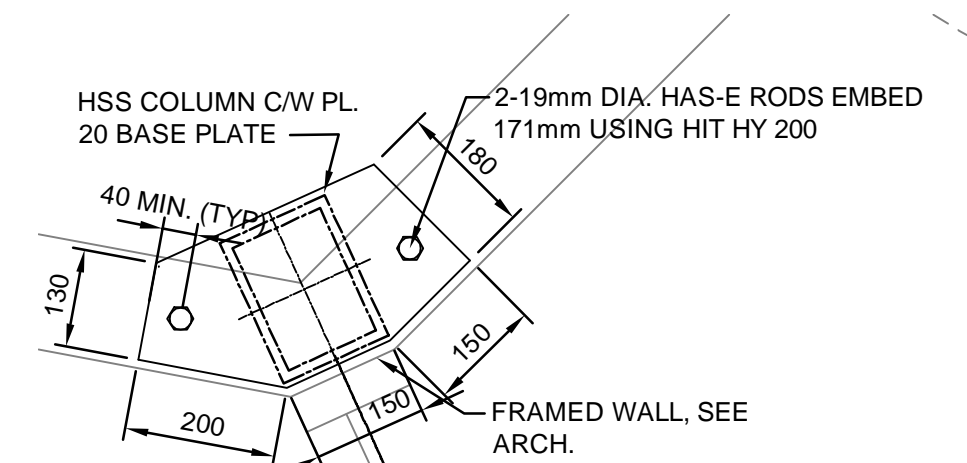
1 | NEW WALL OPENINGS & SLAB INFILL PARTIAL PLAN S3 1:50



2 | FRAMING ELEVATION S3 1:50

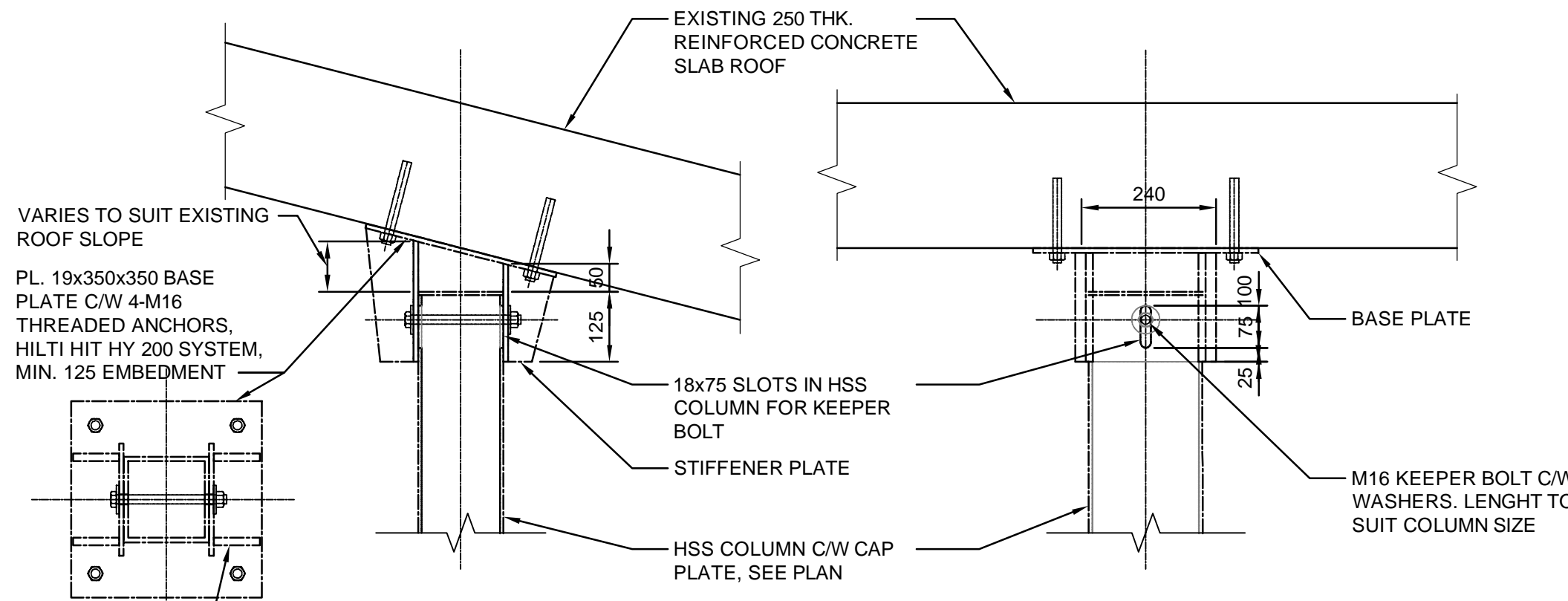


3 | TYPICAL FOOTING AT COLUMN BASE PLATE S3 1:20



COLUMN BASE PLATE NOTES:

- 1 BASE PLATE CONFIGURATIONS ARE SUGGESTED ONLY. CONTRACTOR TO MODIFY IF NECESSARY TO FIT WITHIN FRAMED WALLS.
- 2 ALL BASE PLATES ARE COMPLETE WITH 25mm NON-SHRINK GROUT.



6 | SLIP CONNECTION AT CEILING FOR NEW STEEL COLUMNS S3 1:10

NOT FOR CONSTRUCTION

3	2018.10.05	ISSUED FOR TENDER	BP	JV
2	2018.09.19	99% PROGRESS	BP	JV
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Révision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
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Consultant's Name Nom de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	

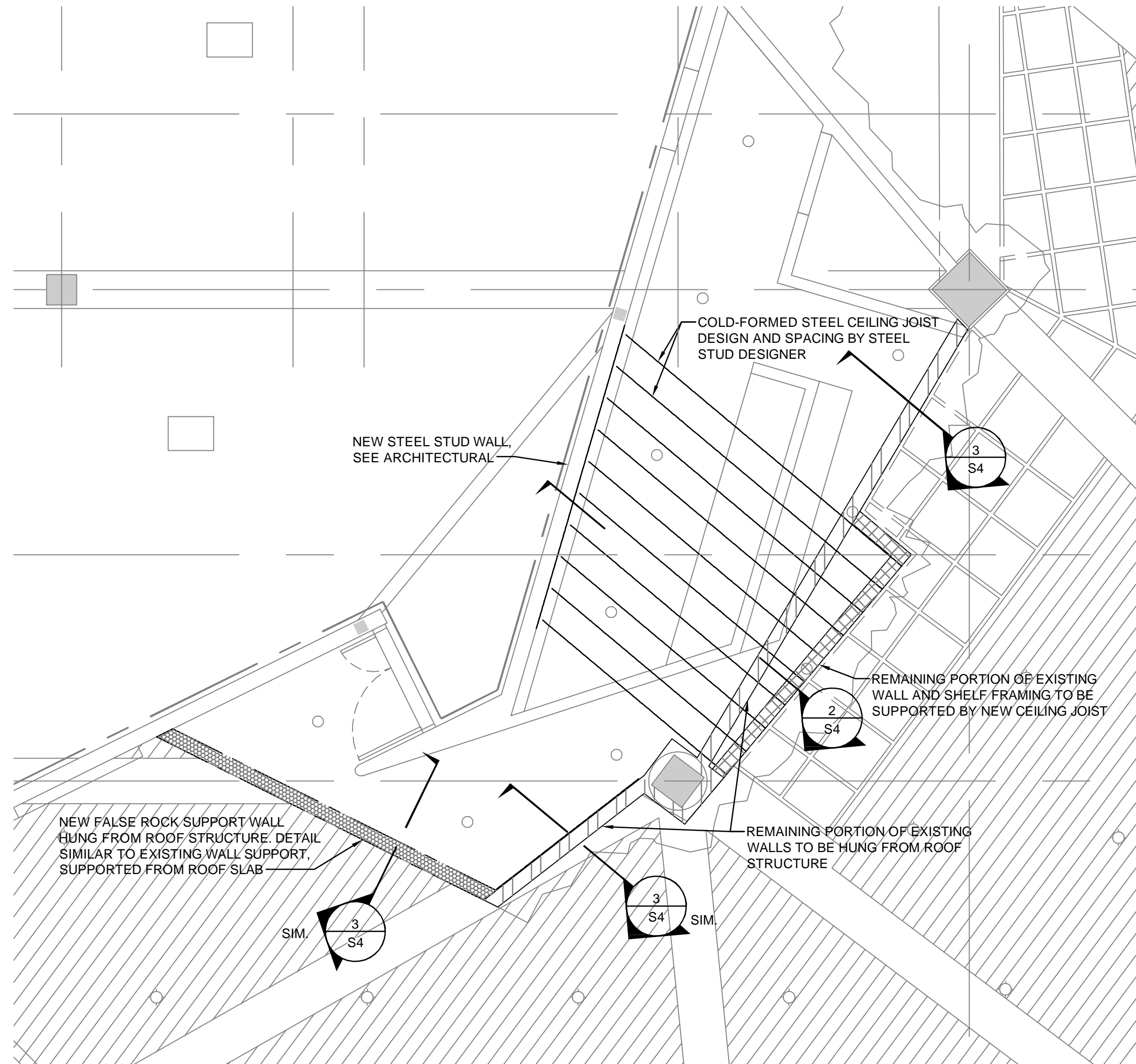
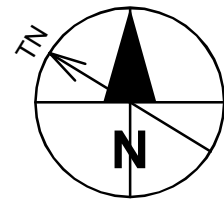
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Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada

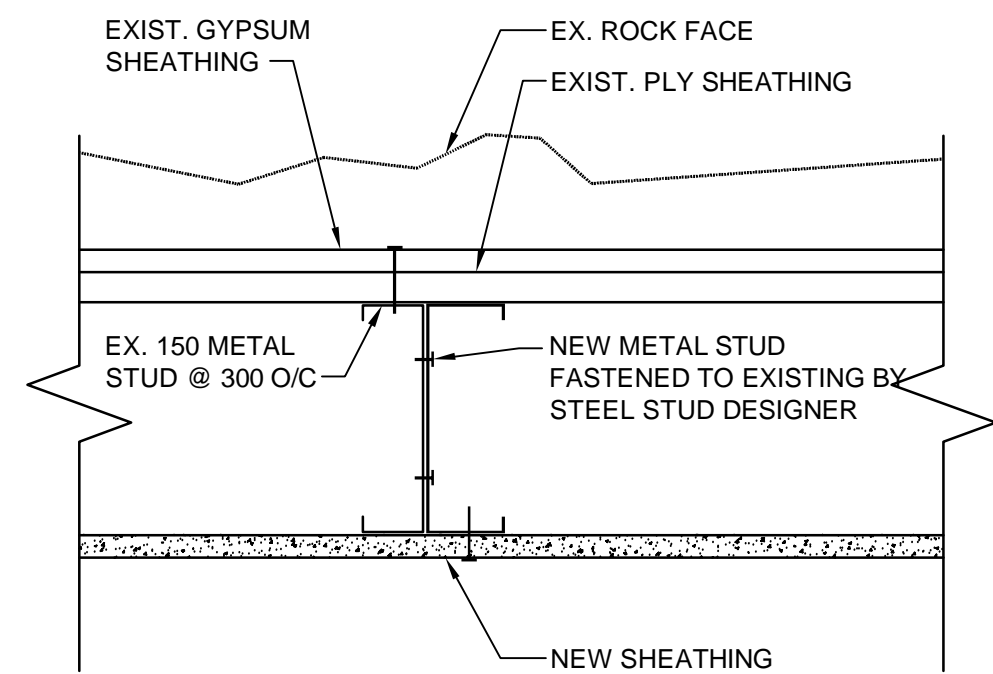
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LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin				
NEW WALL OPENING PLAN				
ELEVATIONS, DETAILS				
& NOTES				
Surveyed by/Arpenté par		Drawn by/Dessiné par		Date
		BP		2018-07-30
Designed by/Concept par		Reviewed by/Revisé par		Scale/Echelle
JV				AS NOTED
Client Acceptance/Acceptation du client			Approved by/Approuvé par	
Date			Date	
Project No./N° du projet		Asset No./N° du bien		Sheet No./N° de la feuille
60572662				
Drawing Set No./N° de serie du dessin				
			S3	

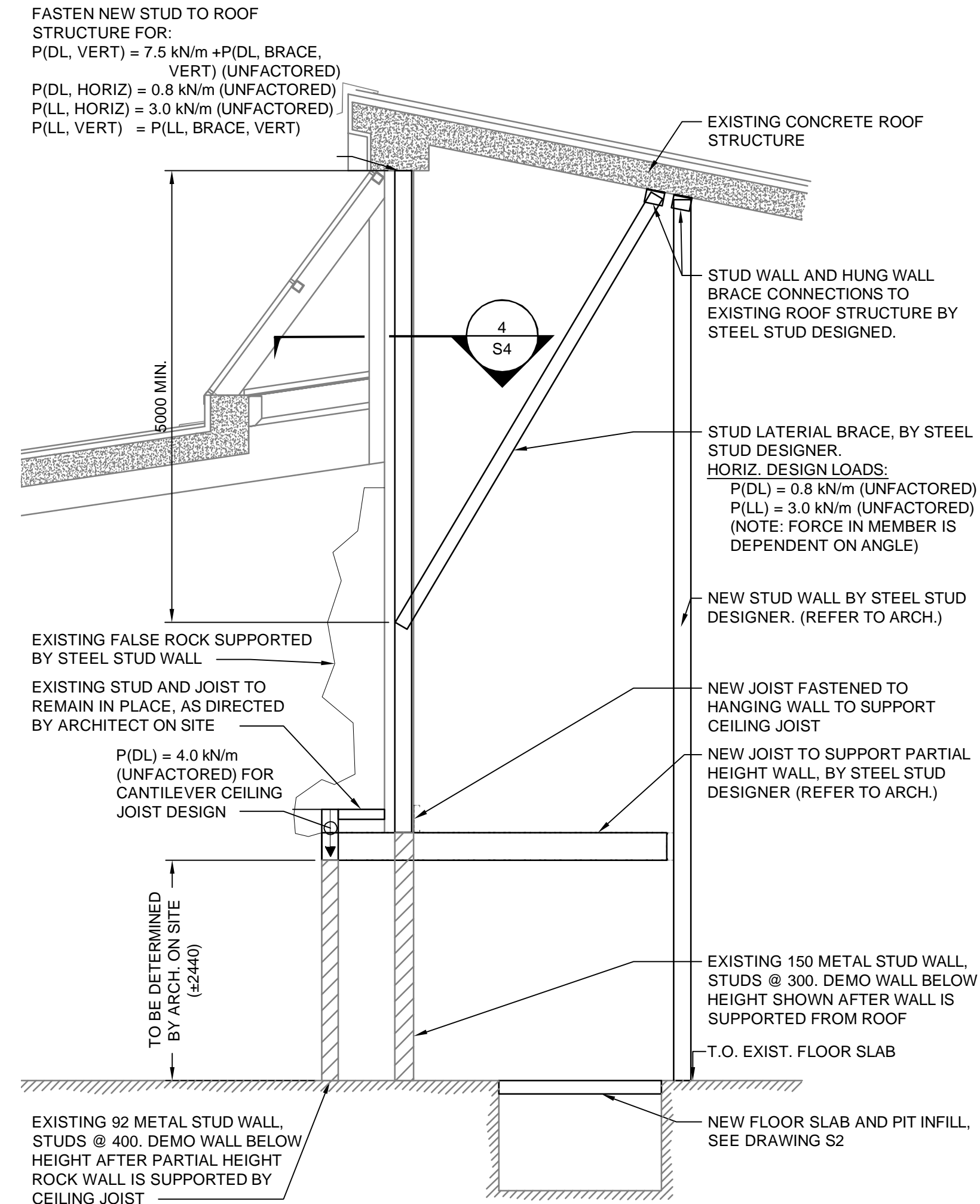


1 CEILING FRAMING PLAN
S4 1:50

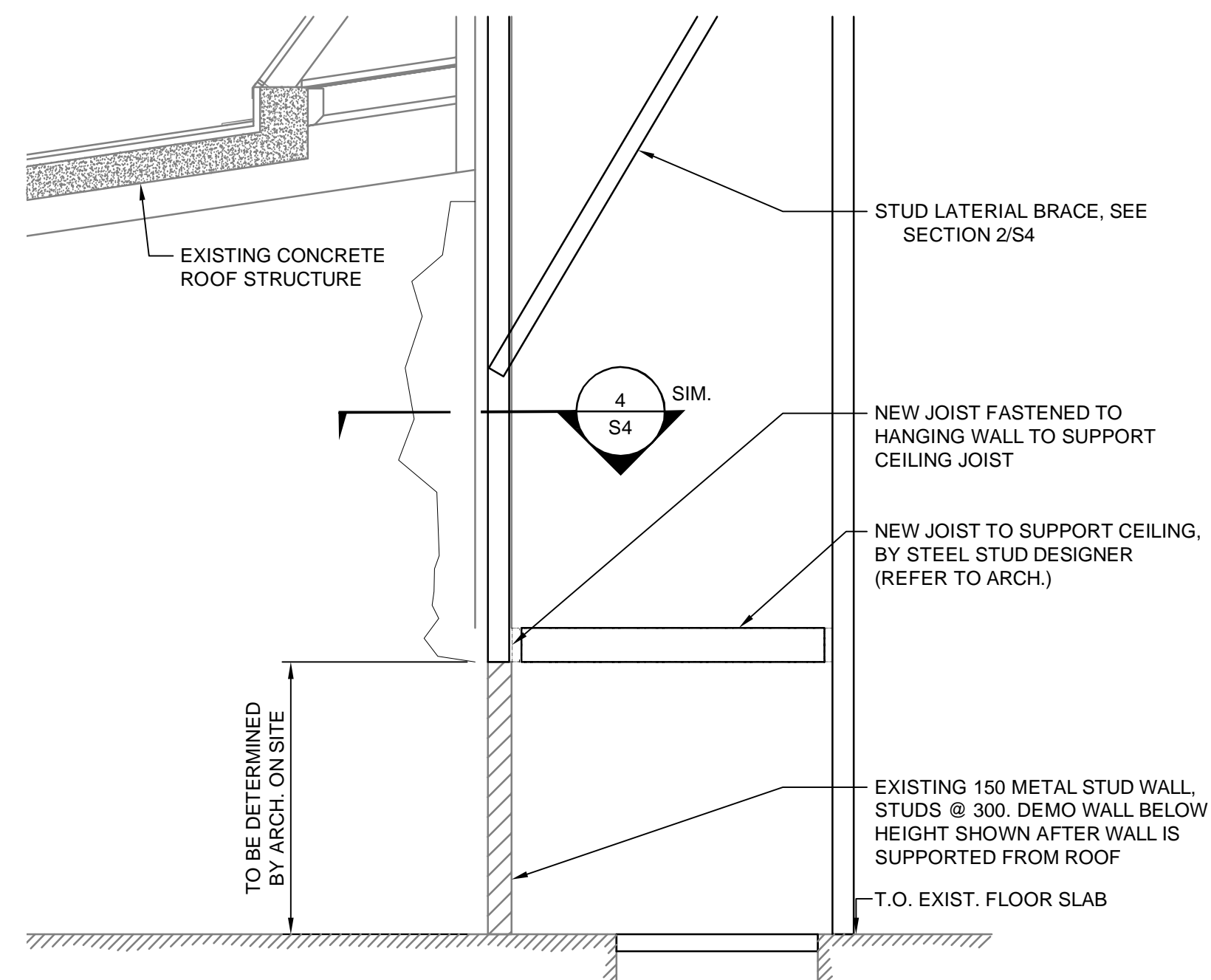


NOTE:
SINCE THE EXISTING ROCK FACE CONSTRUCTION IS NOT KNOWN, A DESIGN ALLOWANCE FOR THE FALSE ROCK FACE OF 0.5 kPa AT A DISTANCE OF 300mm FROM THE FACE OF PLYWOOD SHEATHING HAS BEEN ASSUMED. THIS ALLOWANCE INCLUDES THE SELF WEIGHT OF THE ROCK, AND ANY SUPPORT SYSTEM FROM THE ROCK TO THE SHEATHING. PRIOR TO ANY SITE WORK, SELECTIVE DEMOLITION SHALL BE TAKEN BY THE CONTRACTOR TO CONFIRM THESE ASSUMPTIONS. AECOM-STRUCTURAL WILL COMPLETE A SITE REVIEW AFTER DEMOLITION IS COMPLETE TO REVIEW FINDINGS WITH THE CONTRACTOR ON SITE.

4 NEW ADDITIONAL STEEL STUD DETAIL
S4 1:5




2 SECTION AT PARTIAL HEIGHT WALL
S4 1:50




3 TYPICAL SECTION AT HANG WALL
S4 1:50

NOT FOR CONSTRUCTION

2	2018.10.05	ISSUED FOR TENDER	BP	JV
1	2018.09.19	99% PROGRESS	BP	JV
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision			
	Detail number		A Numéro de détail
	Sheet number		B Numéro de la feuille
Linear dimensions in millimetres		Dimensions linéaires en millimètres	
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur	

 Parks Canada	Parcs Canada
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Canada




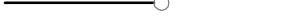
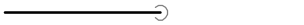
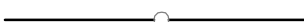

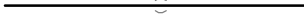
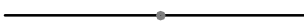





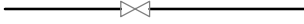
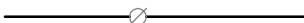

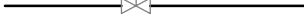

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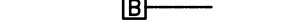

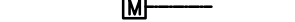






LAKE LOUISE
VISITOR CENTRE

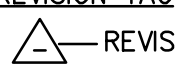
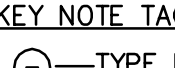
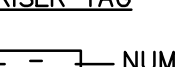
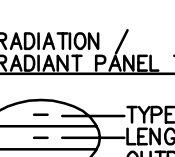

Drawing title/Titre du dessin CEILING FRAMING AND WALL MODIFICATIONS AT INFO DESK				
Surveyed by/Arpenté par JV	Drawn by/Dessiné par BP	Date 2018-08-30		
Designed by/Concept par JV	Reviewed by/Revisé par	Scale/Echelle AS NOTED		
Client Acceptance/Acceptation du client		Approved by/Approuvé par		
Date		Date		
Project No./N° du projet 60572662	Asset No./N° du bien	Sheet No./ N° de la feuille S4		
Drawing Set No./N° de série du dessin				

NOT FOR CONSTRUCTION

MECHANICAL LEGEND & SYMBOLS

LIQUID HEAT TRANSFER	
SCHEDULED HEATING SUPPLY	
SCHEDULED HEATING RETURN	
PIPE FITTINGS	
PIPE RISE	
PIPE DROP	
PIPE TOP TAKE-OFF	
PIPE BOTTOM TAKE-OFF	
SIMPLE CONNECTION	
PIPE CAP	
DIRECTION OF FLOW	
PIPE CONTINUATION	
ISOLATION VALVE	
BALANCING VALVE	
CHECK VALVE	
PRESSURE REDUCING VALVE	
3-WAY CONTROL VALVE	
2-WAY CONTROL VALVE	
UNION	
AUTOMATIC AIR VENT	
AUTOMATIC BALANCING VALVE	
TWO WAY CONTROL VALVE	
FIRE PROTECTION	
FIRE EXTINGUISHER	

AIR DISTRIBUTION	
SUPPLY AIR (S/A)	
RETURN AIR (R/A)	
EXHAUST AIR (E/A)	
OUTSIDE AIR (O/A)	
DUCT C/W INTERNAL ACOUSTIC INSULATION	
BALANCING DAMPER	
BACKDRAFT DAMPER	
FIRE DAMPER	
MOTORIZED DAMPER	
TURNING VANES	
FLEXIBLE DUCTWORK	
THERMOSTAT/TEMPERATURE SENSOR	
THERMOSTAT C/W VANDAL PROOF GUARD	
REMOTE BULB TEMPERATURE SENSOR	
STATIC PRESSURE SENSOR	
AIR FLOW DIRECTION	
DUCT DIMENSIONING	
ROUND DUCT	
RECTANGULAR DUCT	

AIR OUTLET TAG	
EXHAUST	E
LOUVRE	L
RETURN	R
SUPPLY	S
TRANSFER	T
REVISION TAG	
 REVISION NUMBER	
KEY NOTE TAG	
 TYPE ID	
RISER TAG	
RISER TYPE  NUMBER	
RADIATION / RADIANT PANEL TAG	
 TYPE LENGTH (mm) OUTPUT (kW)	
EQUIPMENT TAG	
 TYPE ID	
REHEAT COIL – RHC	
FORCE FLOW UNIT – FF	
RADIATION – RAD	

MECHANICAL DRAWING LIST	
SHEET NUMBER	SHEET TITLE
M0	MECHANICAL LEGEND AND SCHEDULE
M1	MECHANICAL HVAC – DEMO
M2	VENTILATION – NEW FLOOR PLAN
M3	HEATING – NEW FLOOR PLAN
M4	DETAILS

CODES AND STANDARDS COMPLIANCE:

- NATIONAL BUILDING CODE 2010.
- NATURAL GAS AND PROPANE INSTALLATION CODE CSA B149.1–2015.
- ALBERTA FIRE CODE 2014.
- SMACNA HVAC DUCT CONSTRUCTION STANDARDS.

DIFFUSER AND GRILLE SCHEDULE

TAG	SERVICE	MANUFACTURER	MODEL	CONNECTION SIZE (mm)	LENGTH (mm)	NOTES
S-1	LINEAR SLOT DIFFUSER	PRICE	ASP230/CMF/C/X	300ø	1500	2-75mm SLOTS, CONCEALED MOUNTING, CONCEALED MOUNTING BRACKET, MITRED END FLANGE, C/W FACTORY PLENUMS. BLANK OFF ALL UNUSED SECTIONS.
S-2	LINEAR SLOT DIFFUSER	PRICE	ASP130/CMF/C/X	400x175 OVAL	1500	1-75mm SLOTS, CONCEALED MOUNTING, CONCEALED MOUNTING BRACKET, MITRED END FLANGE, C/W CUSTOM PLENUMS. BLANK OFF ALL UNUSED SECTIONS. PROVIDE COMPLETE W/ CUSTOM DUCT MOUNTED BALANCING DAMPERS C/W CABLE SYSTEM FOR REMOTE ADJUSTMENT.
S-3	LINEAR SLOT DIFFUSER	PRICE	ASP130/CMF/C/X	CUSTOM	SEE DRAWING	1-75mm SLOTS, CONCEALED MOUNTING, CONCEALED MOUNTING BRACKET, MITRED END FLANGE, C/W CUSTOM PLENUMS. BLANK OFF ALL UNUSED SECTIONS.
S-4	LINEAR BAR GRILLE	PRICE	LBP158/750/C/	CUSTOM	SEE DRAWING	150mm GRILLE FACE, 20mm BORDER, CONCEALED MOUNTING SCREWS, CUSTOM POWDER COAT FINISH TO MATCH WALL FINISH. C/W CUSTOM PLENUM. BLANK OFF ALL UNUSED SECTIONS.
S-5	DOUBLE DEFLECTION	PRICE	32/C/N/ED	AS SHOWN	AS SHOWN	DOUBLE DEFLECTION GRILLE W/ 12.5mm SPACING, EXTRUDED ALUMINUM AIR FOIL BLADES, NARROW FLAT FACE BORDER FOR EXPOSED DUCT CUSTOM FINISH FLAT BLACK POWDER COAT. DUCT MOUNTED W/ GRILLE FACE EVEN WITH U/S OF WOODEN CEILING.
S-6	SQUARE CEILING DIFFUSER	PRICE	SCD/1/F	100ø	300x300	3 CONE FOR DRYWALL CEILING INSTALLATION. OFF WHITE POWDER COAT FINISH.
S-7	CUSTOM RAD CABINET	PRICE	LBMH26	100mm	CONTINUOUS	HEAVYDUTY, PENCIL PROOF LINEAR BAR GRILLE W/ 15' DEFLECTION FOR SILL MOUNT IN CUSTOM MILLWORK BY ARCHITECT, HEAVY DUTY NARROW FACE BORDER, C/W CONCEAL SCREWS AND ANNODIZE ALUMINUM FINISH.
S-8	ROUND PERFORATED	PRICE	GRPG/SM	150mm	N/A	ROUND PERFORATED GRILLE WITH ROUND LOW PROFILE FRAME W/ COUNTERSUNK SCREWS. ARCHITECT TO CONFIRM FINISH.
R-1	LINEAR SLOT DIFFUSER	PRICE	ASP130/CMF/C/X	CUSTOM	SEE DRAWING	1-75mm SLOTS, CONCEALED MOUNTING, CONCEALED MOUNTING BRACKET, MITRED END FLANGE, C/W CUSTOM PLENUMS.
ES-1	EXISTING TO REMAIN	-	-	-	-	-

REHEAT COIL SCHEDULE


TAG	SERVICE	MANUFACTURER	MODEL	LOCATION	NOMINAL CAPACITY (kW)	AIR DATA					FLUID DATA					DIMENSIONS WxH (mm)	NOTES
						FLOW (L/s)	FACE VELOCITY (m/s)	E.A.T. (°C)	L.A.T. (°C)	MAX. P.D. (Pa)	MEDIA	FLOW (L/s)	E.T. (°C)	L.T. (°C)	MAX. P.D. (kpa)		
RHC-1	REHEAT	TRANE	-	CEILING SPACE	38.5	2300	2.54-3.81	12.8	26.7	24.9	50/50 GLYCOL	0.94	82	71	5.9	1200x750	SELECTION AND SIZING BY MANUFACTURER
RHC-2	REHEAT	TRANE	-	CEILING SPACE	7.9	470	2.54-3.81	12.8	26.7	24.9	50/50 GLYCOL	0.19	82	71	5.9	400x400	SELECTION AND SIZING BY MANUFACTURER
Notes: 1: CAPACITY SHOWN HAS NOT BEEN DERATED FOR GLYCOL. 2: ALL OTHER REHEAT HEATING COILS NOT LISTED IN THIS SCHEDULE ARE EXISTING.																	



FORCE FLOW UNIT SCHEDULE

TAG	SERVICE	MANUFACTURER	MODEL	LOCATION	NOMINAL HEATING CAPACITY (kW)	AIR FLOW (L/s)	FLUID DATA				ELECTRICAL DATA		NOTES:
							MEDIA	FLOW (L/s)	E.T. (°C)	L.T. (°C)	WATTS	VOLTAGE (V/Ph/Hz)	
FF-1	FORCE FLOW	ENG A	CHU-6	VESTIBULE	*12	285	50/50 GLY	0.26	82	71	37	120/1/60	FULLY RECESS CEILING CABINET ARRANGEMENT 26, SUSPEND ON SPRING ISOLATORS FROM ROOF STRUCTURE C/W FLEXIBLE DUCT CONNECTIONS. C/W LINE VOLTAGE THERMOSTAT W/ VANDAL PROOF GUARD.
FF-2	FORCE FLOW	ENG A	CHU-8	VESTIBULE	*16.5	380	50/50 GLY	0.36	82	71	75	120/1/60	FULLY RECESS CEILING CABINET ARRANGEMENT 26, SUSPEND ON SPRING ISOLATORS FROM ROOF STRUCTURE C/W FLEXIBLE DUCT CONNECTIONS. C/W LINE VOLTAGE THERMOSTAT W/ VANDAL PROOF GUARD.
Notes: * CAPACITY SHOWN HAS NOT BEEN DERATED FOR GLYCOL.													

RADIATION SCHEDULE

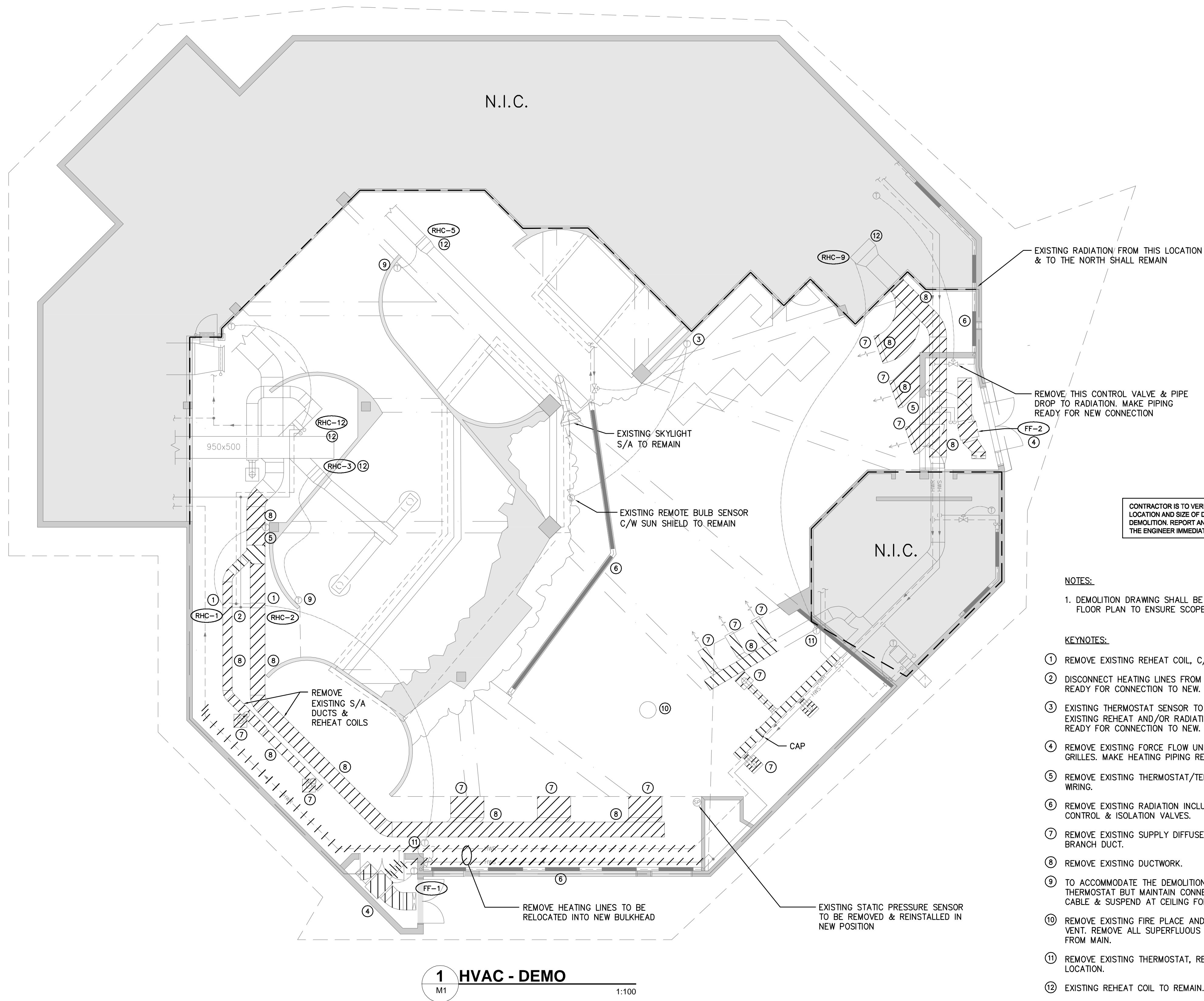
TAG	SERVICE	MANUFACTURER	MODEL	LOCATION	HEIGHT (mm)	NOMINAL HEATING CAPACITY (W/m LENGTH)	ROWS	FLUID DATA			NOTES:
								MEDIA	E.T. (°C)	L.T. (°C)	
RAD-1	FIN TUBE	ENG A	ELEMENT	AS SHOWN	N/A	1340	1	50/50 GLYCOL	82	71	FIN TUBE RADIATION FOR INSTALLATION IN CUSTOM CABINET BY ARCHITECT. SINGLE ROW, 30mm COPPER TUBE, 100x100 ALUMINUM FIN @ 16 FINS/100mm. C/W ELEMENT HANGERS.
Notes: * CAPACITY SHOWN HAS NOT BEEN DERATED FOR GLYCOL.											

	Detail number	A Numéro de détail
	Sheet number	B Numéro de la feuille
Linear dimensions in millimètres		Dimensions linéaires en millimètres
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur

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Project title/Titre du projet		
LAKE LOUISE VISITOR CENTRE		
Drawing title/Titre du dessin		
MECHANICAL LEGEND AND SCHEDULE		
Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
MT	PC	2018-10-05
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
MT	JZ	1:100
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Date		Date
Project No./Nº du projet	Asset No./Nº du bien	Sheet No./Nº de la feuille
60572662		M0
Drawing Set No./Nº de série du dessin		




- NOTES:**
1. DEMOLITION DRAWING SHALL BE READ IN CONJUNCTION WITH NEW FLOOR PLAN TO ENSURE SCOPE OF WORK IS UNDERSTOOD.
- KEYNOTES:**
- ① REMOVE EXISTING REHEAT COIL, C/W ASSOCIATED CONTROLS.
- ② DISCONNECT HEATING LINES FROM EXISTING REHEAT COILS & MAKE READY FOR CONNECTION TO NEW.
- ③ EXISTING THERMOSTAT SENSOR TO REMAIN. DISCONNECT FROM EXISTING REHEAT AND/OR RADIATION CONTROL VALVES & MAKE READY FOR CONNECTION TO NEW.
- ④ REMOVE EXISTING FORCE FLOW UNIT & ASSOCIATED DUCTWORK & GRILLES. MAKE HEATING PIPING READY FOR CONNECTION TO NEW.
- ⑤ REMOVE EXISTING THERMOSTAT/TEMPERATURE SENSOR & ASSOCIATED WIRING.
- ⑥ REMOVE EXISTING RADIATION INCLUDING FIN-TUBE, CABINET & ALL CONTROL & ISOLATION VALVES.
- ⑦ REMOVE EXISTING SUPPLY DIFFUSER, GRILLE, AND ASSOCIATED BRANCH DUCT.
- ⑧ REMOVE EXISTING DUCTWORK.
- ⑨ TO ACCOMMODATE THE DEMOLITION OF THE WALL, REMOVE THERMOSTAT BUT MAINTAIN CONNECTION TO REHEAT COIL. ROLL UP CABLE & SUSPEND AT CEILING FOR FUTURE REINSTALLATION.
- ⑩ REMOVE EXISTING FIRE PLACE AND ALL ASSOCIATED GAS PIPING & VENT. REMOVE ALL SUPERFLUOUS GAS PIPING & CAP AT BRANCH FROM MAIN.
- ⑪ REMOVE EXISTING THERMOSTAT, REPLACE WITH NEW IN NEW LOCATION.
- ⑫ EXISTING REHEAT COIL TO REMAIN.

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Revision / Révision


<div><div>A</div><div>B</div></div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur

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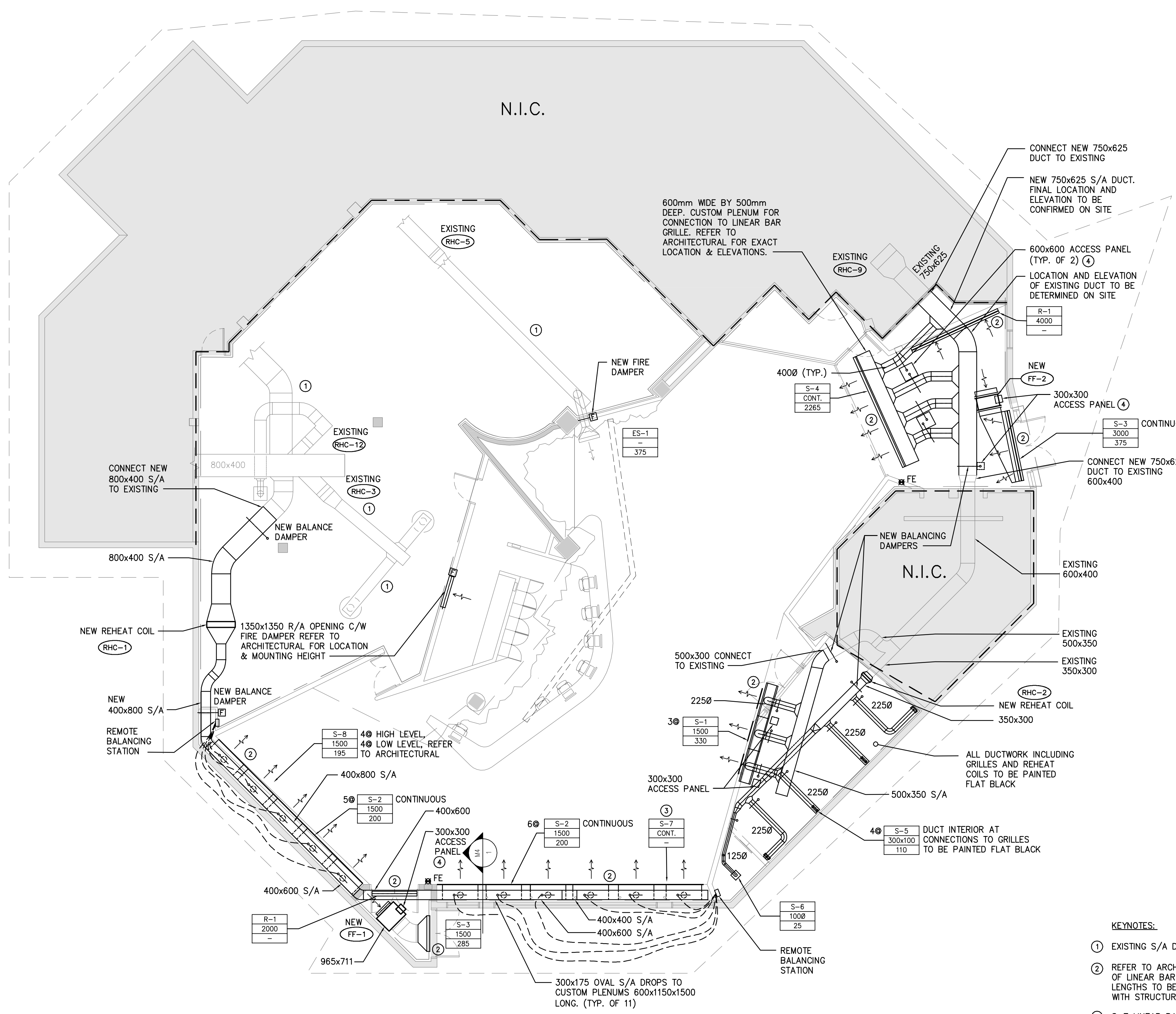
Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin

MECHANICAL HVAC - DEMO
FLOOR PLAN

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
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60572662		M1
Drawing Set No./N° de série du dessin		




- HVAC NOTES:**
1. INSTALLATION OF HVAC SYSTEM IS TO MEET NATIONAL BUILDING CODE 2010 AND ASHRAE AND SMACNA STANDARDS.
 2. ALL HVAC EQUIPMENT IS TO BE CSA LISTED/ CERTIFIED AND COMPLIANT WITH NATIONAL BUILDING CODE 2010.
 3. DUCTWORK LAYOUT ON DRAWINGS IS SHOWN IN APPROXIMATE LOCATIONS. CONTRACTOR SHALL VERIFY LOCATION, CONNECTIONS, AND ROUGH OPENINGS ON SITE TO FOLLOW CONTOUR OF STRUCTURE AND AVOID OBSTRUCTING TRANSLUCENT PANELS.
 4. SEAL ALL DUCTWORK JOINTS WITH MASTIC DUCT SEALANT.
 5. ALL SUPPLY AIR DUCTWORK TO BE INSULATED WITH A MINIMUM 25mm THICK THERMAL INSULATION WITH JACKETING.
 6. NOT USED.
 7. PROVIDE FIRE DAMPERS AT ALL DUCT PENETRATIONS THROUGH FIRE-RATED WALLS AND FIRE CAULK PIPE PENETRATIONS THROUGH FIRE-RATED WALLS. REFER TO ARCHITECTURAL DWGS FOR FIRE RESISTANCE RATINGS.
 8. ALL DUCTWORK WITH OPENINGS THROUGH STRUCTURAL FRAMES AND WALL SLEEVES TO BE SEALED AND INSULATED. (BY SITE MECHANICAL CONTRACTOR).
 9. PROVIDE SPRING ISOLATORS FOR ALL CEILING HUNG MOTORIZED EQUIPMENT.
 10. SIZE OF ALL BRANCH DUCT TO DIFFUSERS TO BE EQUAL TO DIFFUSER INLET SIZE, UNLESS OTHERWISE NOTED.
 11. GALVANIZED DUCTWORK TO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA AND ASHRAE STANDARDS.
 12. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. IF DUCT LINING IS REQUIRED, INCREASE DUCT SIZE TO MAINTAIN INDICATED INSIDE CLEAR DIMENSIONS.
 13. FURNISH AND INSTALL VOLUME/ BALANCE DAMPER AT ALL BRANCH DUCTS TO DIFFUSERS AND GRILLES. PROVIDE ACCESS AS REQUIRED. FINALIZED LOCATIONS TO BE DETERMINED ON SITE & REVIEWED BY DEPARTMENT REPRESENTATIVE.
 14. PROVIDE A COMPLETE TESTING, ADJUSTING AND BALANCING FOR HVAC SYSTEM. AIR BALANCE SHALL BE WITHIN 5% OF SCHEDULED AIRFLOWS.
 15. LOCATION OF CONTROL THERMOSTATS/ SENSORS ARE TO BE CONFIRMED WITH THE DEPARTMENT REPRESENTATIVE PRIOR TO CONSTRUCTION. THERMOSTATS ARE TO BE INSTALLED AT 1.5m ABOVE FINISHED FLOOR. OR AS DIRECTED BY THE DEPARTMENT REPRESENTATIVE..
 16. CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.
 17. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH PROVINCIAL AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
 18. ALL PRIMARY DIMENSIONS ARE METRIC UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 19. MECHANICAL CONTRACTOR IS TO SUBMIT ALL TAB (TESTING, ADJUSTING, AND BALANCING) REPORTS OF HVAC SYSTEM, AND STARTS-UP AND COMMISSIONING REPORTS OF HVAC EQUIPMENT FOR ENGINEER'S REVIEW.
 20. CONTROLS CONTRACTOR TO VERIFY COMPATIBILITY OF ALL NEW CONTROLS PRODUCTS WITH EXISTING CONTROLS COMPONENTS PRIOR TO ORDERING AND CONSTRUCTION.

- KEYNOTES:**
1. EXISTING S/A DUCTWORK & DIFFUSERS TO REMAIN.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS/ ELEVATIONS OF LINEAR BAR GRILLE AND SLOT DIFFUSERS. CONTINUOUS GRILLE LENGTHS TO BE FIELD MEASURED ON SITE. COORDINATE INSTALLATION WITH STRUCTURAL COMPONENTS IN BULKHEADS.
 3. S-7 LINEAR BAR GRILLE TO BE SILL MOUNTED IN ARCHITECTURAL MILLWORK. REFER TO ARCHITECTURAL DRAWINGS.
 4. CUSTOM ACCESS PANELS PER ARCHITECTURAL DRAWINGS.

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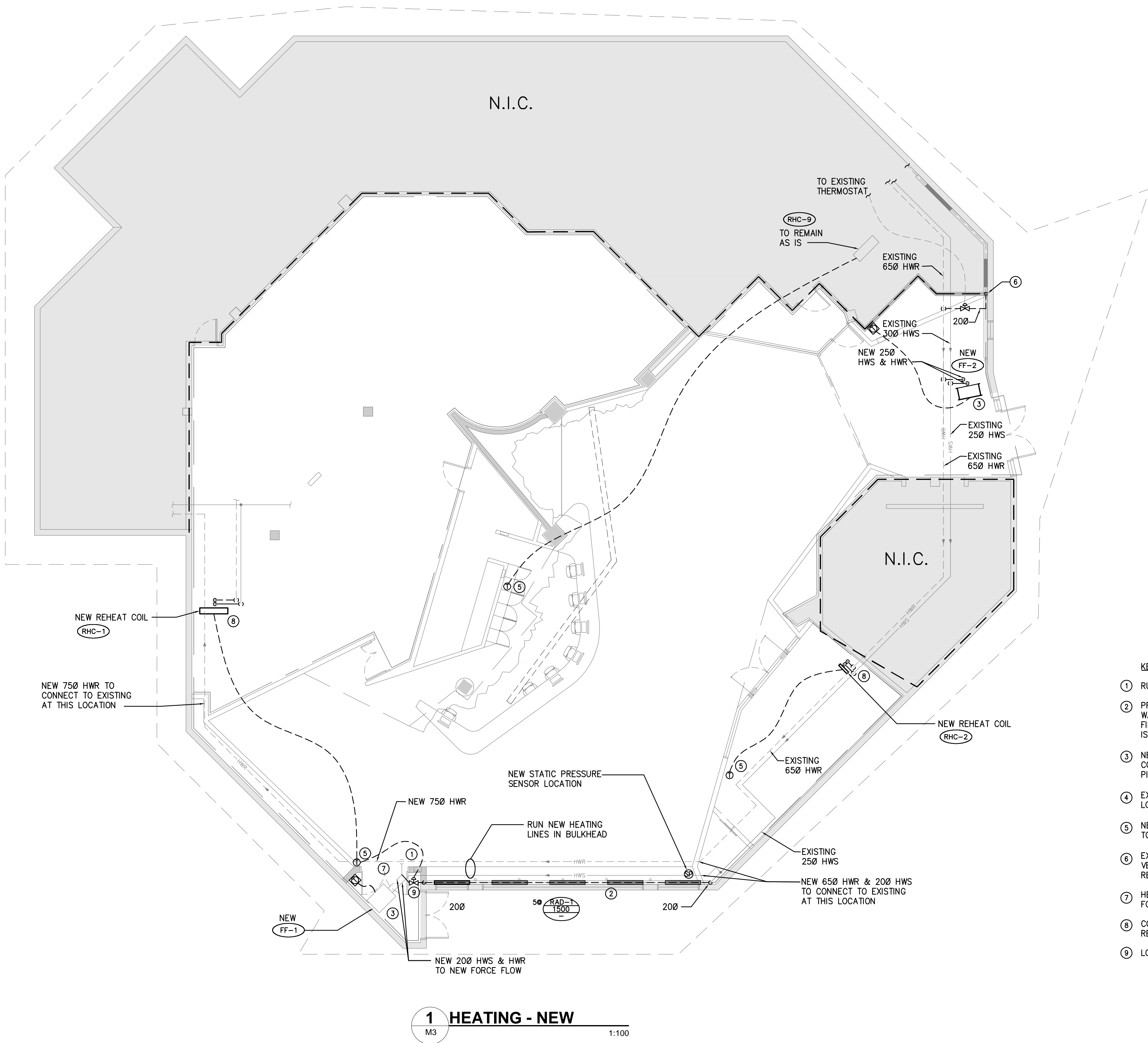
Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin

VENTILATION - NEW
FLOOR PLAN

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
PC	PC	2018-10-05
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Drawing Set No./N° de série du dessin		



HYDRONIC NOTES:

1. INSTALLATION OF HYDRONIC HEATING SYSTEM IS TO MEET NATIONAL BUILDING CODE 2010.
2. ALL HYDRONIC HEATING EQUIPMENT IS TO BE CSA LISTED/CERTIFIED AND COMPLIANT WITH NATIONAL BUILDING CODE 2010.
3. THE CONTRACTOR SHALL CONFIRM THE GLYCOL MIXTURE CURRENTLY USED BY THE OWNER AND REFILL THE HYDRONIC HEATING SYSTEM ACCORDINGLY.
4. HYDRONIC GLYCOL HEATING DISTRIBUTION PIPES ARE TO BE BLACK STEEL SCHEDULE 40. EXCEPT WHERE NOTED OTHERWISE.
5. ALL HYDRONIC GLYCOL HEATING PIPES ARE TO BE INSULATED WITH A MINIMUM 25MM [1"] THICKNESS THERMAL INSULATION WITH RIGID PVC JACKETING.
6. IDENTIFY AND LABEL ALL HYDRONIC HEATING PIPING SYSTEMS INCLUDING PAINTING AND/OR LABELLING OF ALL PIPES, CEILING IDENTIFICATION DOTS, VALVE TAGGING, AND EMERGENCY VALVE IDENTIFICATION SIGNAGE. PROVIDE IDENTIFICATION AND FLOW ARROWS AT 6M [20FT] MAXIMUM INTERVALS, BEFORE AND AFTER PIPES PASSING THROUGH WALLS, AT ALL SIDES OF TEES, AND BEHIND ACCESS DOORS.
7. SUPPLY AND INSTALL ISOLATION VALVES FOR MAIN SUPPLY/RETURN HEATING PIPES AND THE SUPPLY/RETURN HYDRONIC HEATING BRANCH TAKE-OFFS TO/FROM FORCE FLOW UNITS, REHEAT COIL AND WALL FIN RADIATION. SUPPLY AND INSTALL BALANCING VALVES ON THE RETURN BRANCHES.
8. PRESSURE TESTING FOR THE HYDRONIC HEATING SYSTEM IS TO CONFORM TO ALL APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS. TESTING PRESSURE IS TO BE AT MINIMUM 1.5 TIMES MAXIMUM SYSTEM WORKING PRESSURE OR MINIMUM 414 KPA [60 PSI] WHICHEVER IS GREATER FOR A 24 HOUR PERIOD WITHOUT PRESSURE DROPPING.
9. MECHANICAL CONTRACTOR IS RESPONSIBLE TO SUPPLY AND INSTALL ALL LOW VOLTAGE CONTROL WIRING AND DEVICES TO ENSURE THE HEATING CONTROL SYSTEM FUNCTION PROPERLY.
10. COORDINATE WITH ELECTRICAL FOR POWER AND WIRING CONNECTION.
11. COORDINATE WITH OTHER TRADES FOR THE LOCATIONS OF PIPING, EQUIPMENT, VALVING AND ASSOCIATED ACCESS PANELS.
12. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HAVING THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS AS THEY RELATE TO THIS WORK. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED DUE TO LACK OF THIS KNOWLEDGE.
13. PROVIDE ALL MATERIALS FOR A COMPLETE INSTALLATION IN ALL RESPECTS READY FOR INTENDED USE AND IN STRICT ACCORDANCE WITH NATIONAL AND LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS.
14. ALL PRIMARY DIMENSIONS ARE METRIC UNLESS OTHERWISE NOTED ON DRAWINGS.
15. MECHANICAL CONTRACTOR IS TO SUBMIT ALL TAB (TESTING, ADJUSTING, AND BALANCING) REPORTS OF HYDRONIC HEATING SYSTEM, AND START-UP AND COMMISSIONING REPORTS OF HYDRONIC HEATING EQUIPMENT FOR ENGINEER'S REVIEW.
16. CONTROLS CONTRACTOR TO VERIFY COMPATIBILITY OF ALL NEW CONTROLS PRODUCTS WITH EXISTING CONTROLS COMPONENTS PRIOR TO ORDERING AND CONSTRUCTION.


KEYNOTES:

- ① RUN HEATING LINES THRU VESTIBULE CEILING SPACE.
- ② PROVIDE NEW BASEBOARD RADIATION FOR THE FULL LENGTH OF WALL TO REPLACE EXISTING INCLUDING CABINET & 7500mm OF WALL FIN & ALL NECESSARY BRACKETS & FITTINGS. INCLUDE NEW ISOLATION VALVES, CONTROL VALVE, DRAINS & AIR VENTS.
- ③ NEW FORCE FLOW UNIT TO REPLACE EXISTING C/W FLEXIBLE DUCT CONNECTION, SPRING ISOLATORS FROM STRUCTURE & NEW HEATING PIPE CONNECTIONS.
- ④ EXISTING THERMOSTAT/TEMPERATURE SENSOR INSTALLED IN NEW LOCATION.
- ⑤ NEW THERMOSTAT/TEMPERATURE SENSOR TO MATCH EXISTING. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATION.
- ⑥ EXISTING RADIATION. PROVIDE A NEW HWR RISER IN WALL C/W AIR VENT, ISOLATION VALVE & CONTROL VALVE. CONNECT TO EXISTING RETURN MAIN.
- ⑦ HEATING LINES TO RUN THRU VESTIBULE CEILING. SHOWN AS SUCH FOR CLARITY ONLY.
- ⑧ CONNECT NEW 200 HWS AND 200 HWR TO EXISTING MAINS TO NEW REHEAT COIL.
- ⑨ LOCATED VALVING & ASSOCIATED ACCESS IN VESTIBULE CEILING.

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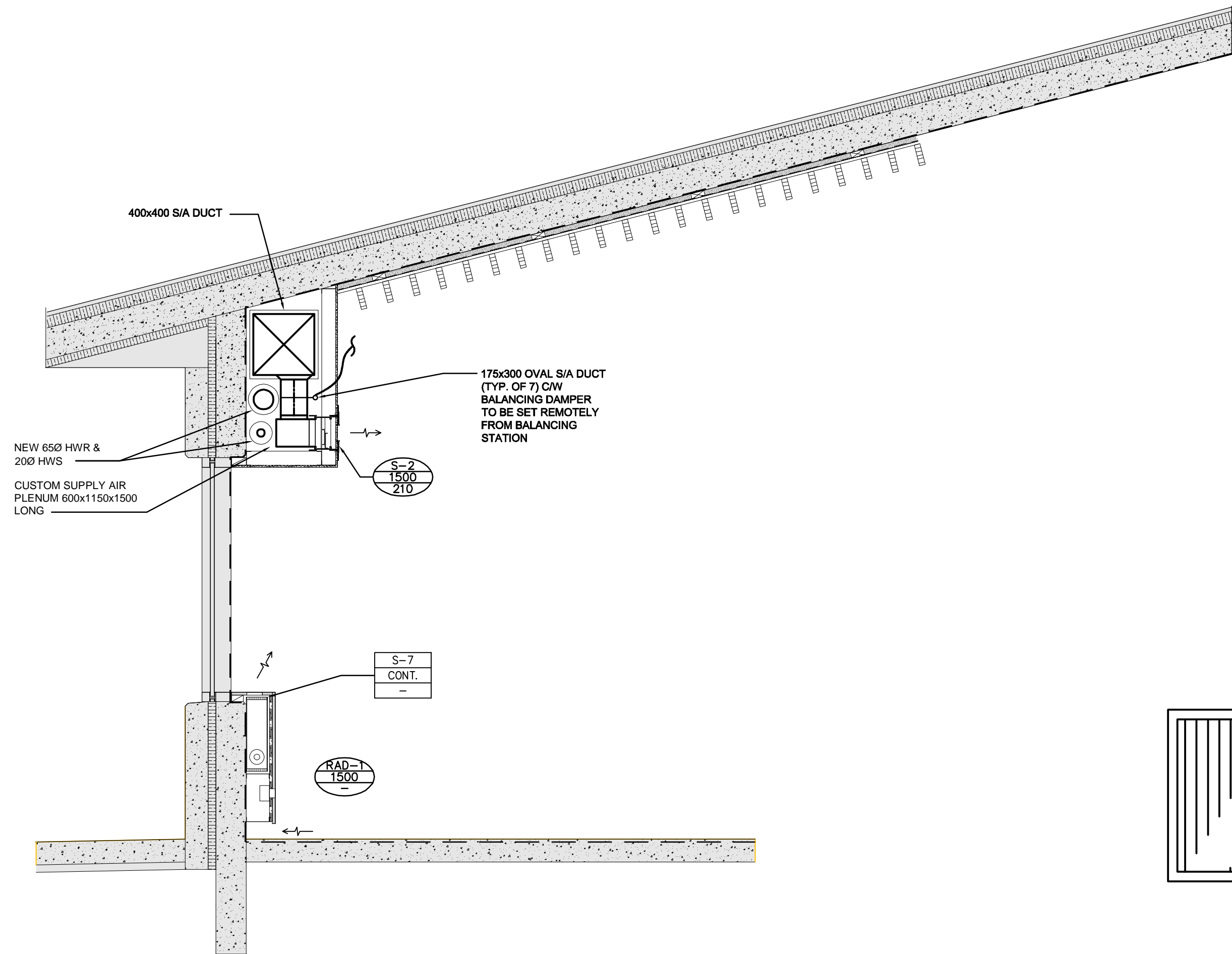
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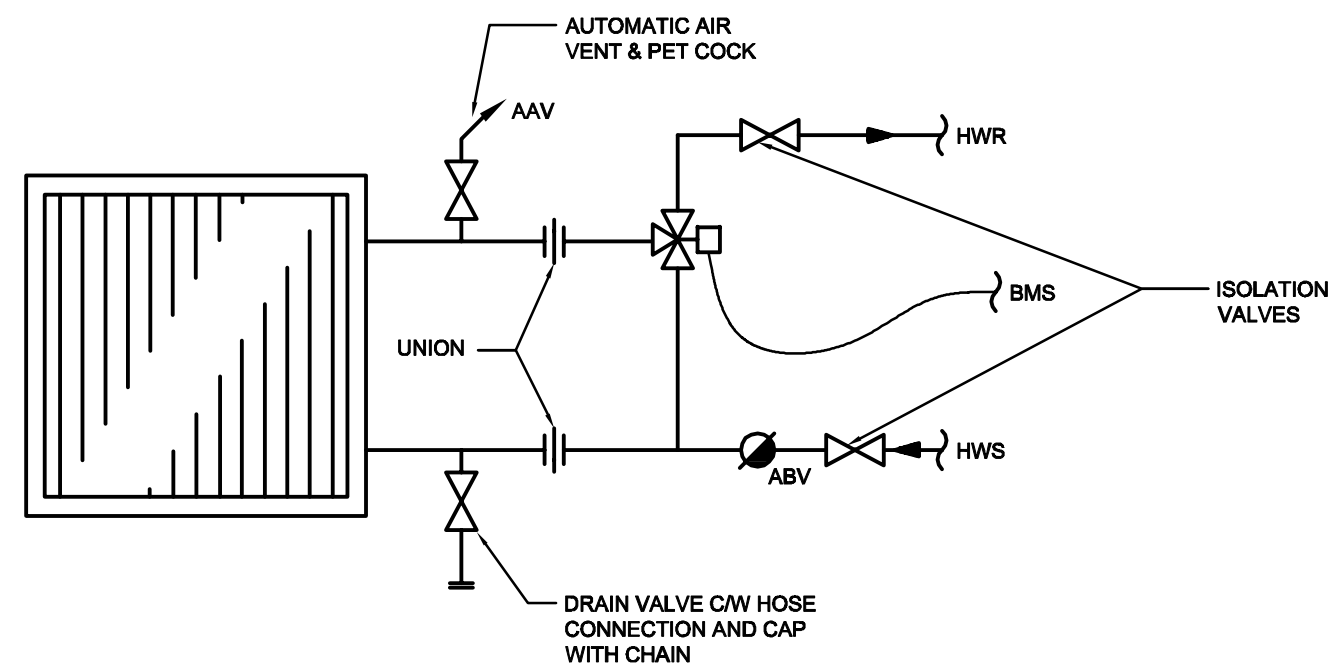
Project title/Titre du projet
LAKE LOUISE VISITOR CENTRE

Drawing title/Titre du dessin
HEATING - NEW FLOOR PLAN

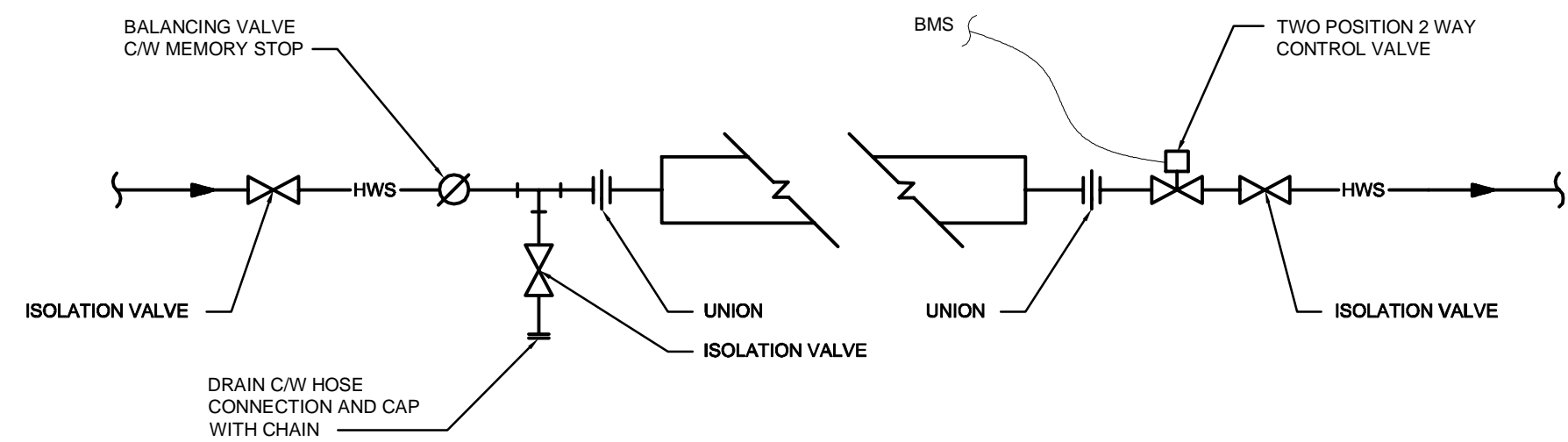
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60572662		M3
Drawing Set No./N° de série du dessin		



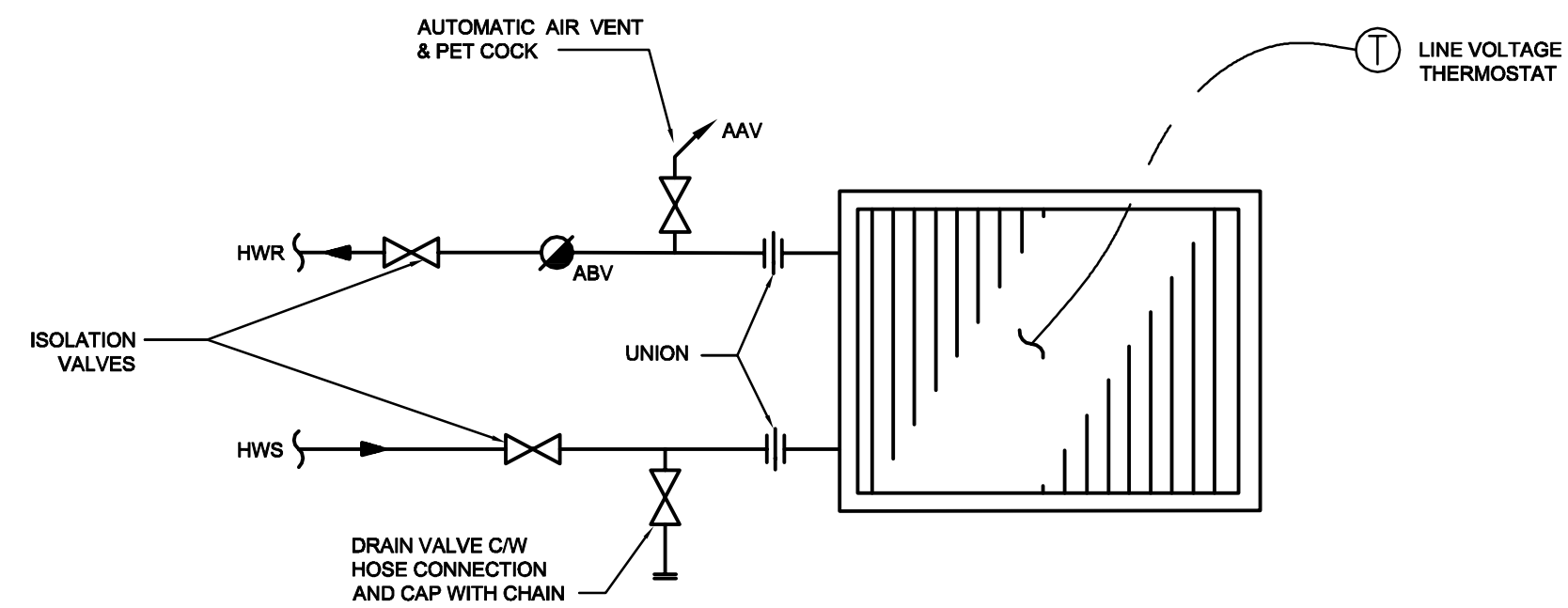
1 BULKHEAD SECTION
M4 N.T.S.



2 TYPICAL REHEAT COIL DETAIL
M4 N.T.S.



3 WALL THERMOSTAT HOOK-UP & CONTROL DETAIL
M4 N.T.S.




4 FORCE FLOW HEATER HOOKUP
M4 N.T.S.

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DETAILS

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60572662		M4
Drawing Set No./N° de série du dessin		

DEVICE SCOPE SCHEDULE			
NEW	EXISTING	DEMOLITION	DESCRIPTION
			LINE WEIGHT AND LINE TYPE INDICATE WHETHER DEVICES ARE NEW, EXISTING OR TO BE REMOVED (DEMOLITION)

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			LINE WEIGHT AND LINE TYPE INDICATE WHETHER DEVICES ARE NEW, EXISTING OR TO BE REMOVED (DEMOLITION)

ELECTRICAL DRAWING LIST	
E-000	ELECTRICAL SYMBOLS LEGENDS & DRAWING LIST
E-001	SINGLE LINE DIAGRAM
E-002	PANEL SCHEDULES & LUMINAIRE SCHEDULE
E-101	POWER DEMO PLAN
E-102	LIGHTING DEMO PLAN
E-201	POWER DISTRIBUITION AND SYSTEM PLAN
E-202	LIGHTING PLAN
E-203	FIRE ALARM PLAN

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E-101	POWER DEMO PLAN
E-102	LIGHTING DEMO PLAN
E-201	POWER DISTRIBUTION AND SYSTEM PLAN
E-202	LIGHTING PLAN
E-203	FIRE ALARM PLAN

ELECTRICAL SYMBOL LEGEND					
<div>SECURITY</div> <div> <div></div> CARD READER OUTLET BOX <div></div> DOOR POSITION SWITCH <div></div> ELECTRIC EYE LOCATION <div></div> ELECTRIC DOOR STRIKE <div></div> ELECTRIC DOOR LOCK SET <div></div> MOTION DETECTOR (REQUEST-TO-EXIT) <div></div> VIDEO MONITOR OUTLET <div></div> KEYPAD <div></div> DOOR EXIT RELEASE PUSHBUTTON <div></div> ELECTRONIC PANIC BAR SWITCH <div></div> MAGNETIC DOOR LOCK <div></div> MAGNETIC DOOR HOLD OPEN <div></div> FIXED SECURITY VIDEO CAMERA </div>	<div>COMMUNICATION</div> <div> <div></div> COMBINATION DATA/VOICE OUTLET "2D/2V" INDICATES NUMBER OF DATA JACKS AND NUMBER OF VOICE JACKS <div></div> FLUSH FLOOR COMBINATION DATA/VOICE OUTLET "2D/2V" INDICATES NUMBER OF DATA JACKS AND NUMBER OF VOICE JACKS <div></div> DATA OUTLET # INDICATES NUMBER OF JACKS <div></div> INTERCOM OUTLET <div></div> FLOOR INTERCOM OUTLET <div></div> AUDIO/VIDEO (A/V) OUTLET <div></div> FLOOR A/V OUTLET <div></div> CEILING A/V OUTLET <div></div> MICROPHONE OUTLET <div></div> FLOOR MICROPHONE OUTLET <div></div> WALL SPEAKER <div></div> CEILING SPEAKER <div></div> SOUND MASKING DEVICE (ABOVE SUSPENDED CEILING SYSTEM) <div></div> TELECOMMUNICATIONS ZONE BOX <div></div> WIRELESS ACCESS POINT - CEILING MOUNTED (ONE DATA DROP) </div>	<div>CONDUIT AND WIRE</div> <div> <div></div> CONDUIT STUB <div></div> HOME RUN <div></div> VERTICAL LEVEL CHANGE (ON PLAN) OR RECEDING CONDUIT (ON ELEVATION) <div></div> CONDUIT FITTING <div></div> CONDUIT BREATHER/DRAIN <div></div> CONDUIT SEAL <div></div> CONDUIT DRAIN SEAL <div></div> CONDUIT CAP <div></div> CONDUIT <div></div> CONDUIT UNDERGROUND OR CONCEALED <div></div> E.C. EMPTY CONDUIT <div></div> GROUND ROD C/W WELL <div></div> GROUND ROD WITHOUT WELL <div></div> CONDUIT TURNED UP <div></div> CONDUIT TURNED DOWN <div></div> BUS DUCT <div></div> CABLE TRAY <div></div> POWER/TELECOM - WIREMOLD RACEWAY DS4000 SERIES OR APPROVED EQUAL </div>	<div>LIGHTING</div> <div> <div></div> LED OR FLUORESCENT LUMINAIRE - SURFACE OR SUSPENDED <div></div> LED OR FLUORESCENT LUMINAIRE - RECESSED <div></div> LED OR FLUORESCENT EMERGENCY LUMINAIRE - SURFACE OR SUSPENDED <div></div> LED OR FLUORESCENT RECESSED EMERGENCY LUMINAIRE - RECESSED <div></div> LED OR FLUORESCENT LUMINAIRE - WALL MOUNTED <div></div> LED OR FLUORESCENT EMERGENCY LUMINAIRE - WALL MOUNTED <div></div> LED OR FLUORESCENT STRIPLIGHT LUMINAIRE <div></div> LUMINAIRE TO BE DEMOLISHED <div></div> CEILING LED POT LUMINAIRE - SURFACE OR SUSPENDED <div></div> CEILING LED POT LUMINAIRE - EMERGENCY - SURFACE OR SUSPENDED <div></div> RECESSED LED POT LUMINAIRE - RECESSED <div></div> RECESSED LED POT LUMINAIRE - EMERGENCY - RECESSED <div></div> LED WALL SCONCE LUMINAIRE <div></div> LED WALL SCONCE LUMINAIRE - EMERGENCY <div></div> POLE MOUNTED LUMINAIRE <div></div> POLE MOUNTED LUMINAIRE - DOUBLE HEADS <div></div> SINGLE POLE SWITCH <div></div> THREE WAY SWITCH <div></div> DIMMER SWITCH <div></div> KEY SWITCH <div></div> THREE WAY KEY SWITCH <div></div> LOW VOLTAGE SWITCH <div></div> PILOT LIGHT <div></div> WALL MOUNTED OCCUPANCY SENSOR <div></div> CEILING MOUNTED EXIT LIGHT - ARROWS AS INDICATED <div></div> WALL MOUNTED EXIT LIGHT - ARROWS AS INDICATED <div></div> EXITS TO BE REMOVED <div></div> BATTERY PACK C/W HEADS AS INDICATED <div></div> WALL MOUNTED EMERGENCY REMOTE HEADS <div></div> CEILING MOUNTED EMERGENCY REMOTE HEADS <div></div> OCCUPANCY SENSOR <div></div> CRESTRON MASTER LIGHTING CONTROL TOUCH SURFACE <div></div> LUMINAIRE TYPE <div></div> PHOTO ELECTRIC CELL <div></div> TIME CLOCK <div></div> NIGHT LIGHT <div></div> LOW VOLTAGE SWITCH <div></div> WALL MOUNTED OCCUPANCY SENSOR (120V) <div></div> CORRIDOR CEILING MOUNTED OCCUPANCY SENSOR (120V) <div></div> CEILING MOUNTED OCCUPANCY SENSOR (120V) <div></div> CEILING MOUNTED DAYLIGHT & OCCUPANCY SENSOR (120V) <div></div> CEILING MOUNTED OCCUPANCY SENSOR WITH LONG RANGE (120V) <div></div> DIMMING/NON-DIMMING LIGHTING CONTROL STATION <div></div> PHOTO CELL (INTERIOR) <div></div> LUMINAIRE TYPE - SEE LUMINAIRE SCHEDULE <div></div> TRACK LIGHTING SYSTEM <div></div> TRACK LIGHTING TO BE REMOVED </div>	<div>POWER</div> <div> <div></div> DUPLEX RECEPTACLE <div></div> DUPLEX RECEPTACLE TO BE REMOVED <div></div> CEILING MOUNTED RECEPTACLE <div></div> SINGLE RECEPTACLE <div></div> FOUR-PLEX RECEPTACLE <div></div> ISOLATED GROUND RECEPTACLE <div></div> SPLIT-FEED RECEPTACLE <div></div> GROUND FAULT RECEPTACLE <div></div> TWIST LOCK RECEPTACLE <div></div> SPECIAL 208V 1ø RECEPTACLE <div></div> SPECIAL 208V 3ø RECEPTACLE <div></div> STICK WELDER 3ø, 208V, 60A OUTLET <div></div> WIRE FEED WELDER 1ø, 208V, 50A OUTLET <div></div> SPECIAL 347V RECEPTACLE <div></div> SPECIAL 600V RECEPTACLE <div></div> DUPLEX RECEPTACLE - MOUNTED ABOVE COUNTER <div></div> SPLIT-FEED RECEPTACLE - MOUNTED ABOVE COUNTER <div></div> GFI RECEPTACLE - MOUNTED ABOVE COUNTER <div></div> FLOOR MOUNTED DUPLEX RECEPTACLE <div></div> FLOOR MOUNTED FOUR-PLEX RECEPTACLE <div></div> FLOOR MOUNTED SPECIAL RECEPTACLE <div></div> DIRECT CONNECTION <div></div> SPLIT-FEED CAR POST C/W RECEPTACLE <div></div> EQUAL POTENTIAL GROUND RECEPTACLE <div></div> ISOLATED GROUND FOUR-PLEX RECEPTACLE <div></div> ISOLATED/EQUAL POTENTIAL GROUND RECEPTACLE <div></div> POWER/TELECOM - WIREMOLD PACPOLE <div></div> MOTOR <div></div> DISCONNECT SWITCH <div></div> FUSED DISCONNECT SWITCH <div></div> HAND-OFF-AUTO SWITCH <div></div> ON/OFF SWITCH <div></div> MAGNETIC MOTOR STARTER <div></div> COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER <div></div> MANUAL MOTOR STARTER C/W PILOT LIGHT <div></div> WALL MOUNTED CLOCK OUTLET ONLY <div></div> WALL MOUNTED SINGLE FACE CLOCK <div></div> WALL MOUNTED DOUBLE FACE CLOCK <div></div> CEILING MOUNTED CLOCK OUTLET ONLY <div></div> CEILING MOUNTED SINGLE FACE CLOCK <div></div> CEILING MOUNTED DOUBLE FACE CLOCK <div></div> BELL <div></div> PUSHBUTTON <div></div> BUZZER <div></div> HORN <div></div> KILL SWITCH <div></div> PANEL BOARD - SURFACE MOUNTED <div></div> MISC. PANEL BOARD - FLUSH MOUNTED <div></div> MISC. PANEL BOARD - SURFACE MOUNTED <div></div> THERMOSTAT <div></div> WALL MOUNTED JUNCTION BOX <div></div> CEILING MOUNTED JUNCTION BOX <div></div> FLOOR MOUNTED JUNCTION BOX <div></div> MISC. JUNCTION BOX <div></div> POWER ZONE BOX <div></div> POWER BAR C/W 25 FOOT LONG POWER CORD <div></div> UNDER RAISED FLOOR 'MAIN DISTRIBUTION BOX' JUNCTION BOX C/W 6 SINGLE 20A TWIST LOCK RECEPTACLES <div></div> MOTOR WITH DISCONNECT SWITCH <div></div> EQUIPMENT TYPE TAG </div>	<div>FIRE ALARM</div> <div> <div></div> PULLSTATION <div></div> PULLSTATION TO BE REMOVED <div></div> BELL <div></div></div>

NOT FOR CONSTRUCTION


5	2018.10.05	ISSUED FOR TENDER	SG	SG
4	2018.09.19	99% PROGRESS	SG	SG
3	2018.09.07	90% PROGRESS	SG	SG
2	2018.08.07	60% PROGRESS	SG	SG
1	2018.04.27	ISSUED FOR DESIGN DEVELOPMENT	HF	HF
No.	Date	Description	Drawn by Design par	Approved Approve

Revision / Revision

	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
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Linear dimensions in millimetres	Dimensions linéaires en millimètres
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Consultant's Name Nom de l'expert-conseil	Eng. Stamp Sceau de l'ingénieur
--	------------------------------------

	Parks Canada	Parcs Canada
	Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord

Canada



Project title/Titre du projet

Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin

Drawing title/Titre du dessin

ELECTRICAL SYMBOLS LEGENDS & DRAWING LIST

Surveyed by/Arpenté par	Drawn by/Dessiné par SG	Date 2018-10-05
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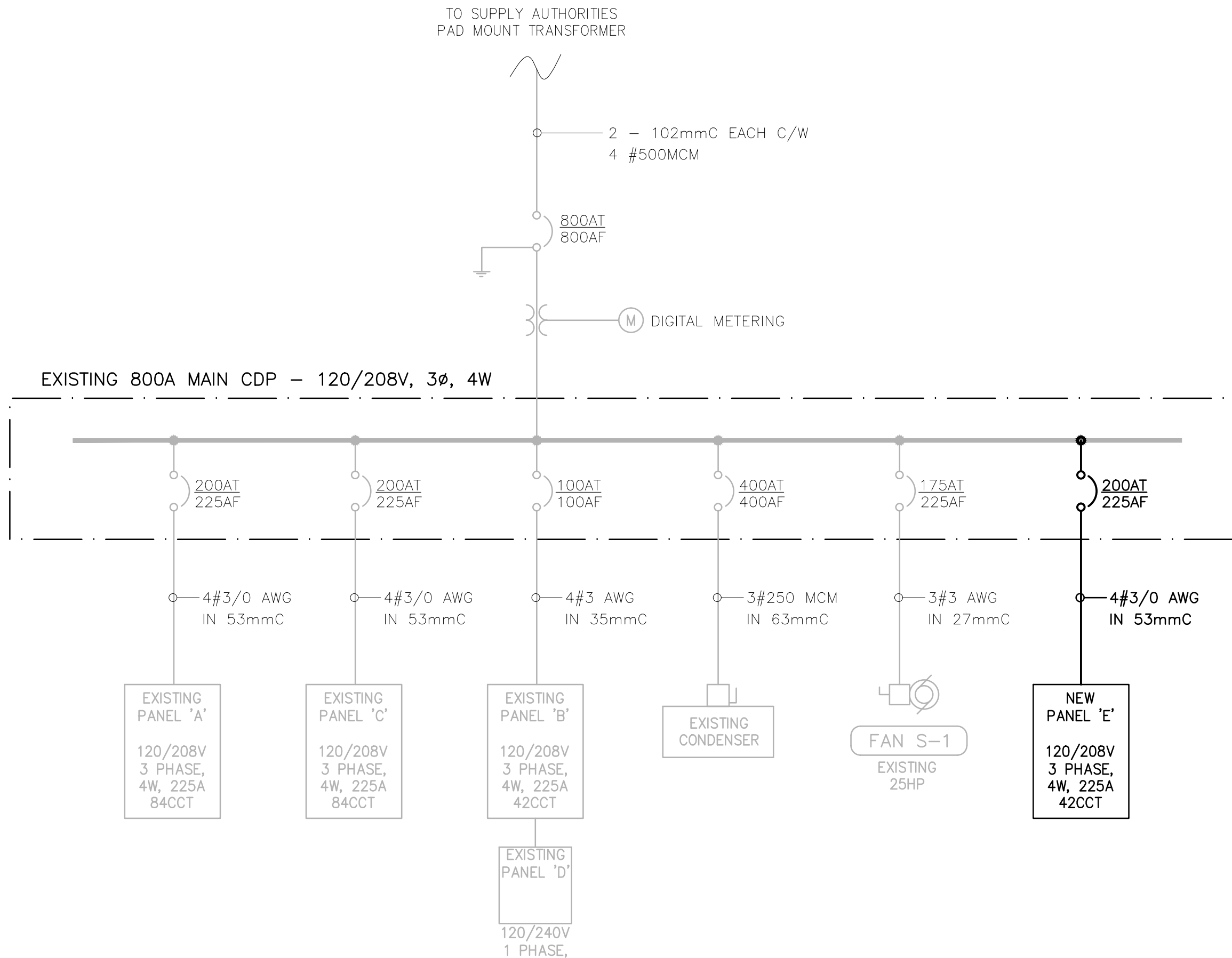
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Échelle N.T.S.
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Client Acceptance/Acceptation du client	Approved by/Approuvé par
_____	_____
Date	Date

Project No./Nº du projet 60572662	Asset No./Nº du bien	Sheet No./ Nº de la feuille
Drawing Set No./Nº de série du dessin		E-000

E-000


NOT FOR CONSTRUCTION

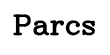


NOTES:

1. ELECTRICAL CONTRACTOR TO VERIFY EXISTING ELECTRICAL SINGLE LINE DIAGRAM DURING TENDERING.

FEEDER SCHEDULE						
FEEDER TYPE	FEEDER AMPERAGE (75°C)	FEEDER GROUP (COPPER - 600V)				FEEDER BONDING CONDUCTOR
		A 3Ø/3W+GND	B 3Ø/4W+GND	C 3Ø/4W/DN+GND	D 3Ø/3W Teck C/W GND Wire	
1	15	3-#12-21mmC	4-#12-21mmC	3-#12+1-#10 N-21mmC	3-#12	#14
2	20	3-#12-21mmC	4-#12-21mmC	3-#12+1-#8 N-21mmC	3-#12	#14
3	30	3-#10-21mmC	4-#10-27mmC	3-#10+1-#3 N-27mmC	3-#10	#10
5	50	3-#8-21mmC	4-#8-27mmC	3-#8+1-#3 N-27mmC	3-#8	#10
6	65	3-#6-27mmC	4-#6-27mmC	3-#6+1-#2 N-35mmC	3-#6	#8
7	85	3-#4-27mmC	4-#4-35mmC	3-#4+1-#1 N-35mmC	3-#4	#8
8	100	3-#3-35mmC	4-#3-35mmC	3-#3+1-#3/0 N-41mmC	3-#3	#6
9	115	3-#2-35mmC	4-#2-35mmC	3-#2+1-#4/0 N-53mmC	3-#2	#6
10	130	3-#1-41mmC	4-#1-41mmC	3-#1+1-#300K mil N-53mmC	3-#1	#6
11	150	3-#1/0-41mmC	4-#1/0-53mmC	5-#1/0-53mmC	3-#1/0	#6
12	175	3-#2/0-53mmC	4-#2/0-53mmC	5-#2/0-63mmC	3-#2/0	#6
13	200	3-#3/0-53mmC	4-#3/0-53mmC	5-#3/0-63mmC	3-#3/0	#4
14	230	3-#4/0-53mmC	4-#4/0-63mmC	5-#4/0-78mmC	3-#4/0	#4
15	255	3-#250K mil-63mmC	4-#250K mil-78mmC	5-#250K mil-78mmC	3-#250K mil	#4
16	285	3-#300K mil-63mmC	4-#300K mil-78mmC	5-#300K mil-63mmC	3-#300K mil	#4
17	310	3-#350K mil-78mmC	4-#350K mil-78mmC	5-#350K mil-103mmC	3-#350K mil	#3
18	335	3-#400K mil-78mmC	4-#400K mil-78mmC	5-#400K mil-103mmC	3-#400K mil	#3
19	380	3-#500K mil-78mmC	4-#500K mil-103mmC	5-#500K mil-103mmC	3-#500K mil	#3
20	475	3-#750K mil-103mmC	4-#750K mil-103mmC	5-#750K mil-129mmC	3-#750K mil	#2

 Parks Canada
Strategic Asset Management,
Western and Northern Region

 Parcs Canada
Gestion Stratégique des Biens,
Région de l'Ouest et du Nord

Canada

AECOM

Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin

SINGLE LINE DIAGRAM

Surveyed by/Arpenté par SG	Drawn by/Dessiné par SG	Date 2018-10-05
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Echelle N.T.S.
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./Nº du projet 60572662	Asset No./Nº du bien	Sheet No./Nº de la feuille E-001
Drawing Set No./Nº de série du dessin		

NOT FOR CONSTRUCTION

LUMINAIRE SCHEDULE

TYPE	VOLTAGE	WATTAGE	LAMPS	COLOR EXPOSED PARTS	MOUNTING	DESCRIPTION	APPROVED MANUFACTURER		NOTES
							NAME	CATALOGUE NO.	
100	120V	20W	LED	WHITE	RECESSED	4" LED DOWNLIGHT W/ WIDE BEAM DISTRIBUTION.	LUMENPULSE OR APPROVED EQUAL	LACM-A-120-L20-30K-CR80-W-RD-WH-DA1-NC	
101	120V	25W	LED	WHITE	RECESSED	4" LED DOWNLIGHT W/ WIDE BEAM DISTRIBUTION.	LUMENPULSE OR APPROVED EQUAL	LACS-A-120-L20-30K-CR80-W-RD-WH-DA1-NC	
102	120V	35.8W	LED	BLACK	TRACK	MOLDED POLYCARBONATE TRACK LIGHTING. ROTATES INTO PLACE WITH THE USE OF A PUSH TAB.	PHILIPS LIGHTOLIER OR APPROVED EQUAL	THJ30930NF1B	
103	120V	1095.9W	LED	WHITE	PENDANT	PENDANT FIXTURE	LUX DYNAMICS OR APPROVED EQUAL	LUX-IK10-12-T-HO2-835-4-U10-CA4-ARCH-120-DIR-OTI-BOT-3/10-SM-STND-WG-OC	
104	120V	11.4W/m	LED	CLEAR ANNODIZED	WALL ARM	120" CEILING DIRECT/ INDIRECT CEILING ARM MOUNTED EXHIBIT LIGHTING FIXTURE.	VODE ADAPTIVE ARCHITECTURAL LIGHTMING	107-RR-06-120-WA-6-IP-AE-1-0-Z-SO-30-2-0-AL	
105	120V-AC/24VDC	4.57W/FT	LED	WHITE	UNDER CABINET	UNDER CABINET LED LIGHTING	SGI LIGHTING	NEON-P-FLT-HB-24VDC-WHT-3000K-A-30	PROVIDE 120VAC/24VDC TRANSFORMER
200	120V	65W	LED	SILVER	PENDANT	12" ROUND DIRECT/ INDIRECT PENDANT CYLINDER FIXTURE.	SPECTRUM LIGHTING OR APPROVED EQUAL	C1216UDGV-37L-55L-30K-EX-TCY-FG-PT	1.5" DEEP JUNCTION BOX REQUIRED FOR ALL FIXTURES
EX	120V-AC/12V-DC	2.5W	LED	ALUMINUM	UNIVERSAL	LED EXTRUDED ALUMINUM PICTOGRAM EXIT SIGN.	READY-LITE OR APPROVED EQUAL	RA-3-A-SPD	PROVIDE PENDENT KIT MOUNT FOR DOOR 101A AND 102A

EXISTING PANEL A						
Load (kW)	Description	Brkr	CCT No.	Ph	CCT No.	Load (kW)
1.2	PUMP P-1	30	1	A	2	1.1
1.2		/	3	B	4	1.1
1.2		3P	5	C	6	1.1
1.2		30	7	A	8	1.1
1.2	PUMP P-2	/	9	B	10	0.2
1.2		3P	11	C	12	0.2
0.8	PUMP P-3	20	13	A	14	0.8
0.8	PUMP P-4	20	15	B	16	0.8
0.5	PUMP P-5, EF2, EF3	15	17	C	18	0.7
0.5	FF-3, FF-4, UH-1, UH-2	15	19	A	20	0.7
1.5	WATER HTR	20	21	B	22	0.2
1.5	SPARE	15	23	C	24	0.2
0.5	E-5, E-6	15	25	A	26	0.4
0.5	BOILER CONT.	15	27	B	28	0.0
0.3	FF-1	15	29	C	30	0.0
0.4	RECEPTACLES	15	31	A	32	0.0
0.4	RECEPTACLES	15	33	B	34	0.0
0.0	SPARE	15	35	C	36	0.0
0.0	SPARE	15	37	A	38	0.0
0.5	F.A. PANEL	15	39	B	40	0.8
0.5	SECURITY PANEL	15	41	C	42	0.0
1.0	RECEPTACLES	15	43	A	44	0.0
0.2	RECEPTACLES	15	45	B	46	0.0
0.0	SPARE	15	47	C	48	0.0
0.8	RECEPTACLES	15	49	A	50	0.0
0.9	EF-1	20	51	B	52	0.0
1.5	WATER HTR	20	53	C	54	0.0
1.5	EXISTING	15	55	A	56	0.0
1.0	HEAT TRACING	15	57	B	58	0.0
1.0		2P	59	C	60	0.0
1.0		15	61	A	62	0.5
1.0	HEAT TRACING	2P	63	B	64	1.2
1.0		15	65	C	66	0.0
1.0	HEAT TRACING	2P	67	A	68	0.0
1.0		15	69	B	70	0.0
1.0	HEAT TRACING	2P	71	C	72	1.1
1.0		15	73	A	74	0.8
1.0	HEAT TRACING	2P	75	B	76	1.0
1.0	CAR PLUG	15	77	C	78	1.3
1.0	CAR PLUG	15	79	A	80	1.2
0.5	ENERGY PNL	15	81	B	82	0.0
0.5	MALL PARKING OTS	15	83	C	84	0.0

Mains: 225A	Mounting: Surface		
Volts: 208/120	Location: MECH. RM.	18.4	kW (A)
Ph: 3	Fed from: MAIN CDP	17.0	kW (B)
Wire: 4	Feeder: See single line	15.8	kW (C)
22 KAIC	Estimated connected load	51.1	kW

Notes:
1. THIS IS EXISTING PANEL "A".
2. CONTRACTOR TO PROVIDE UPDATED NEW PANEL SCHEDULES.

EXISTING PANEL B						
Load (kW)	Description	Brkr	CCT No.	Ph	CCT No.	Load (kW)
	SPACE	-	1	A	2	0.5
	SPACE	-	3	B	4	1.0
1.0	WIREMOLD	15	5	C	6	1.0
1.0	WIREMOLD	15	7	A	8	1.4
1.0	WIREMOLD	15	9	B	10	1.4
1.0	WIREMOLD	15	11	C	12	1.0
1.0	WIREMOLD	15	13	A	14	1.2
1.0	COUNTER RECEPTACLES	15	15	B	16	1.2
1.0		2P	17	C	18	1.4
1.0	COUNTER RECEPTACLES	15	19	A	20	1.4
1.0		2P	21	B	22	1.3
1.0	FRIDGE	15	23	C	24	0.5
1.0	G.F.L.	15	25	A	26	1.0
1.0	G.F.L.	15	27	B	28	1.0
1.0	G.F.L.	15	29	C	30	1.0
0.5	COMPUTER	15	31	A	32	1.0
0.5	COMPUTER	15	33	B	34	1.0
0.5	PRINTER	15	35	C	36	1.0
0.5	PRINTER	15	37	A	38	0.0
0.5	PRINTER	15	39	B	40	0.0
0.5	P/A AMP	15	41	C	42	0.0

Mains: 225A	Mounting: Flush		
Volts: 208/120	Location: MECH. RM.	11.5	kW (A)
Ph: 3	Fed from: MAIN CDP	11.9	kW (B)
Wire: 4	Feeder: See single line	10.9	kW (C)
22 KAIC	Estimated connected load	34.2	kW

Notes:
1. THIS IS EXISTING PANEL "B".
2. CONTRACTOR TO PROVIDE UPDATED NEW PANEL SCHEDULES.

EXISTING PANEL C						
Load (kW)	Description	Brkr	CCT No.	Ph	CCT No.	Load (kW)
1.0	THEATER/CATWALK	15	1	A	2	0.0
1.0	THEATER/CATWALK	15	3	B	4	0.0
1.0	THEATER/CATWALK	15	5	C	6	0.0
1.0	THEATER/CATWALK	15	7	A	8	0.0
1.0	THEATER/CATWALK	15	9	B	10	0.0
1.0	THEATER/CATWALK	15	11	C	12	0.0
1.0	THEATER/CATWALK	15	13	A	14	0.0
1.0	THEATER/CATWALK	15	15	B	16	0.0
1.0	J.B. ROOM 105	15	17	C	18	0.0
1.0	J.B. ROOM 106	15	19	A	20	0.0
0.0	SPACE	-	21	B	22	0.0
0.0	SPACE	-	23	C	24	0.0
0.0	SPACE	-	25	A	26	0.0
0.0	SPACE	-	27	B	28	0.0
1.0	EXTERIOR LTG	15	29	C	30	0.0
0.8	EXTERIOR LTG	15	31	A	32	0.0
0.8	EXTERIOR LTG	15	33	B	34	0.0
1.0	EXTERIOR LTG	15	35	C	36	0.0
1.3	PILOT COIL PHOTOCELL	15	37	A	38	0.0
1.0	PILOT COIL PHOTOCELL	15	39	B	40	0.0
0.9	PILOT COIL PHOTOCELL	15	41	C	42	0.0


Mains: 225A	Mounting: Surface		
Volts: 208/120	Location: MECH. RM.	6.0	kW (A)
Ph: 3	Fed from: MAIN CDP	4.8	kW (B)
Wire: 4	Feeder: See single line	5.9	kW (C)
22 KAIC	Estimated connected load	16.7	kW

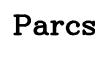
Notes:
1. THIS IS EXISTING PANEL "C".
2. DISCONNECT ALL LIGHTING CIRCUIT IN THERA TRE AREA.
3. CONTRACTOR TO PROVIDE UPDATED NEW PANEL SCHEDULES.

NEW PANEL E						
Load (kW)	Description	Brkr	CCT No.	Ph	CCT No.	Load (kW)
1.0	RECEPTACLES	20	1	A	2	1.0
1.0	RECEPTACLES	20	3	B	4	1.0
1.0	RECEPTACLES	20	5	C	6	1.0
1.0	RECEPTACLES	20	7	A	8	1.0
1.0	RECEPTACLES	20	9	B	10	1.0
1.0	RECEPTACLES	20	11	C	12	1.0
1.0	RECEPTACLES	20	13	A	14	1.0
1.0	RECEPTACLES	20	15	B	16	1.0
1.0	RECEPTACLES	20	17	C	18	0.8
0.0	SPARE	20	19	A	20	0.8
0.0	SPARE	20	21	B	22	0.8
0.0	SPARE	20	23	C	24	0.8
0.0	SPARE	20	25	A	26	0.8
0.0	SPARE	20	27	B	28	0.8
0.0	SPARE	20	29	C	30	0.5
0.0	SPARE	20	31	A	32	0.5
0.0	SPARE	-	33	B	34	0.0
0.0	SPARE	-	35	C	36	0.0
0.0	SPARE	-	37	A	38	0.0
0.0	SPARE	-	39	B	40	0.0
0.0	SPARE	-	41	C	42	0.0

Mains: 225A	Mounting: Surface		
Volts: 208/120	Location: MECH. RM.	7.1	kW (A)
Ph: 3	Fed from: MAIN CDP	6.6	kW (B)
Wire: 4	Feeder: See single line	6.1	kW (C)
22 KAIC	Estimated connected load	19.8	kW

Notes:
1. THIS IS NEW PANEL "E".

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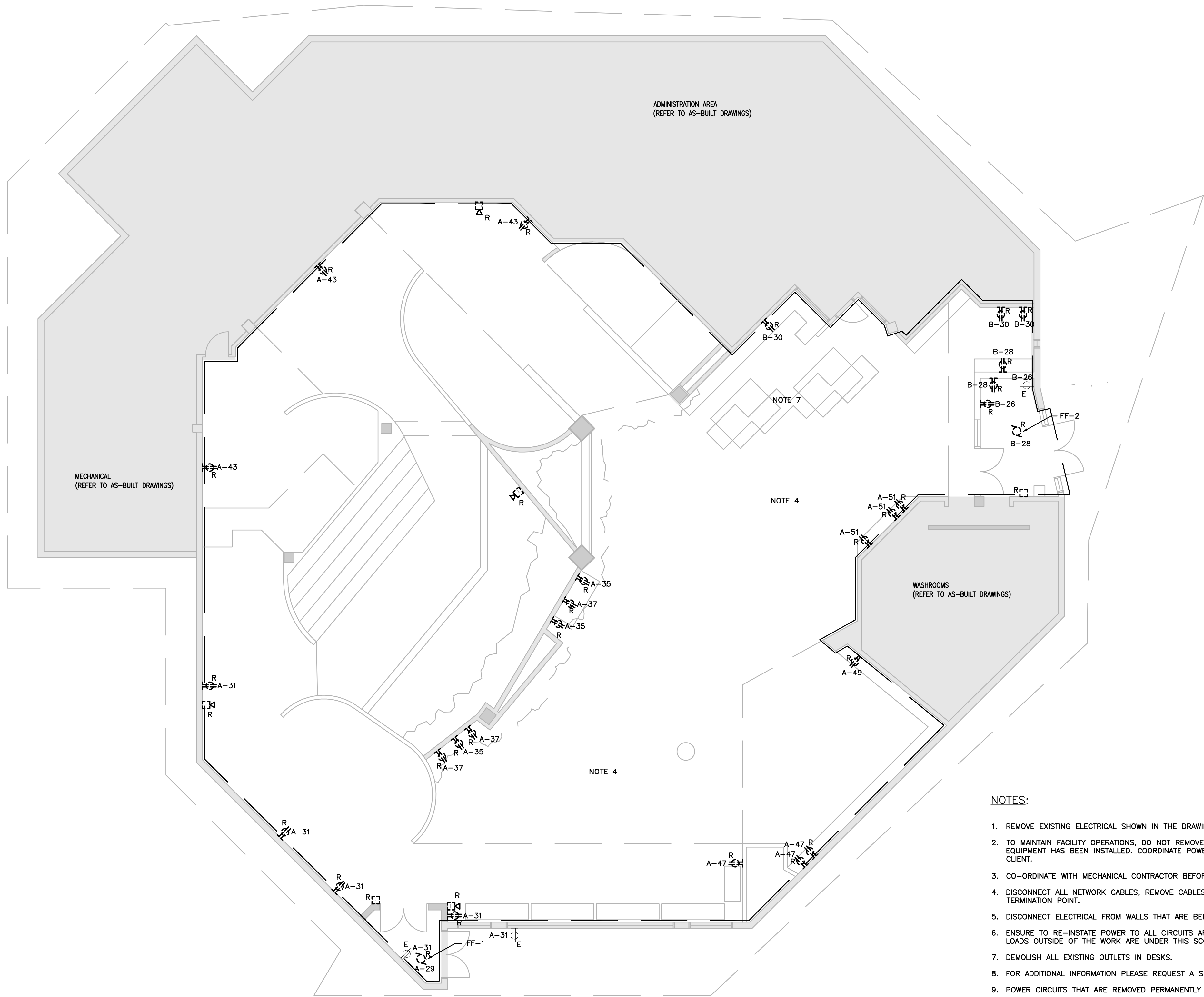
Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin

PANEL SCHEDULES &
LUMINAIRE SCHEDULE

Surveyed by/Arpenté par SG	Drawn by/Dessiné par SG	Date 2018-10-05
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Echelle N.T.S.
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./N° du projet 60572662	Asset No./N° du bien	Sheet No./N° de la feuille E-002
Drawing Set No./N° de série du dessin		




1 POWER DEMO PLAN
E-101 1:100

NOT FOR CONSTRUCTION

5	2018.10.05	ISSUED FOR TENDER	SG	SG
4	2018.09.19	99% PROGRESS	SG	SG
3	2018.09.07	90% PROGRESS	SG	SG
2	2018.08.07	60% PROGRESS	SG	SG
1	2018.04.27	ISSUED FOR DESIGN DEVELOPMENT	HF	HF
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision

<div><div>A</div><div>B</div></div>	Detail number Sheet number	A Numéro de détail B Numéro de la feuille
Linear dimensions In millimètres		Dimensions linéaires en millimètres
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur

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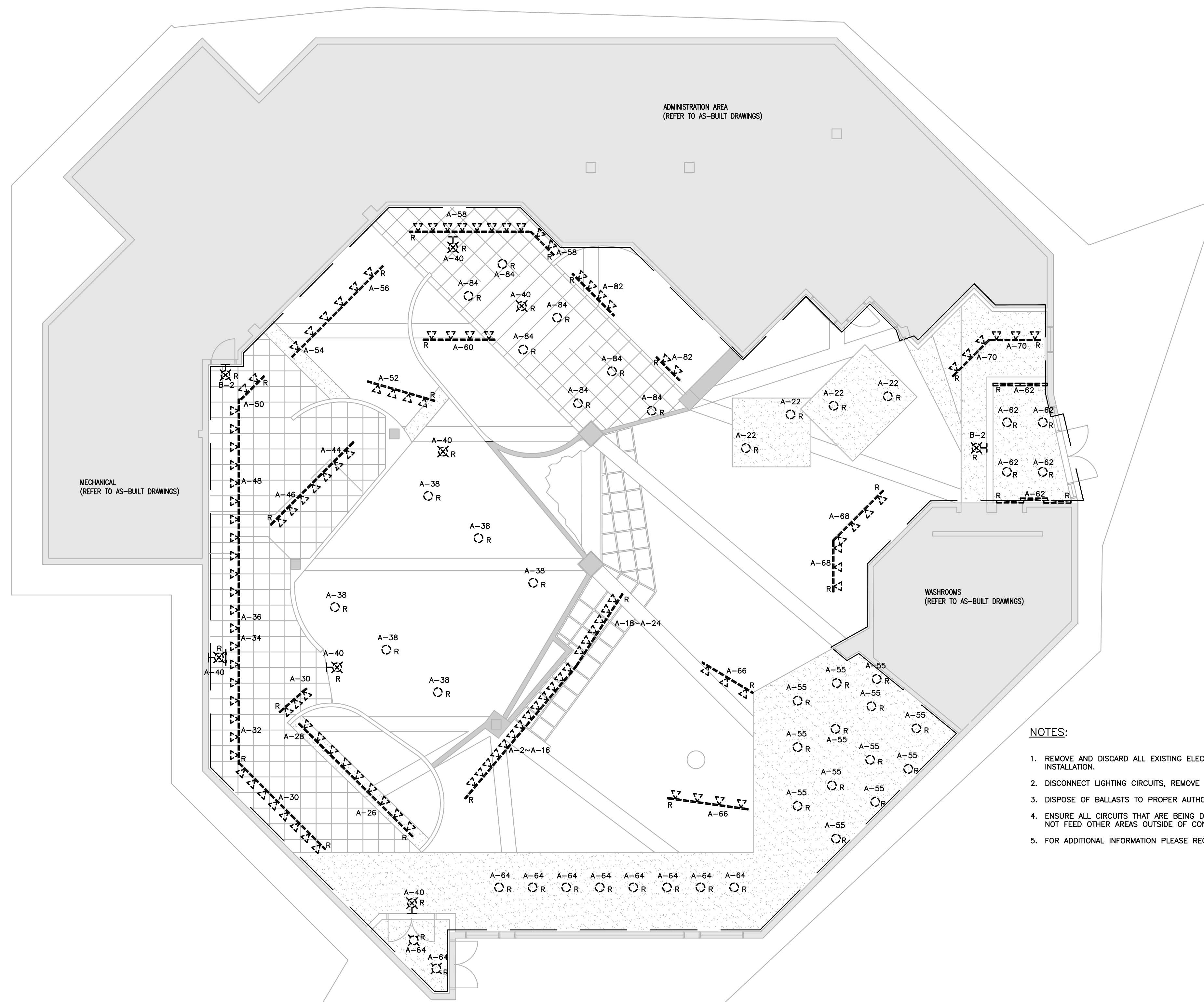
Project title/Titre du projet
LAKE LOUISE VISITOR CENTRE

Drawing title/Titre du dessin
POWER DEMO PLAN

Surveyed by/Arpenté par SG	Drawn by/Dessiné par SG	Date 2018-10-05
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Echelle 1:100
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date

Project No./N° du projet 60572662	Asset No./N° du bien	Sheet No./ N° de la feuille E-101
Drawing Set No./N° de série du dessin		

NOT FOR CONSTRUCTION




- NOTES:

1. REMOVE AND DISCARD ALL EXISTING ELECTRICAL IN DEMOLITION AREAS TO ACCOMMODATE NEW INSTALLATION.
2. DISCONNECT LIGHTING CIRCUITS, REMOVE ALL LIGHT FIXTURES AS SHOWN IN THE DRAWING.
3. DISPOSE OF BALLASTS TO PROPER AUTHORITY, RECYCLE FIXTURE AS REQUIRED.
4. ENSURE ALL CIRCUITS THAT ARE BEING DISCONNECTED ARE REMOVED BACK TO SOURCE. DO NOT FEED OTHER AREAS OUTSIDE OF CONTRACT.
5. FOR ADDITIONAL INFORMATION PLEASE REQUEST A SITE WALK THROUGH.

1 LIGHTING DEMO PLAN

1:100

5	2018.10.05	ISSUED FOR TENDER	SG	SG
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1	2018.04.27	ISSUED FOR DESIGN DEVELOPMENT	HF	HF
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

		Revision / Revision			
	Detail number	A Numéro de détail			
	Sheet number	B Numéro de la feuille			
Linear dimensions in millimetres		Dimensions linéaires en millimètres			
Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur			



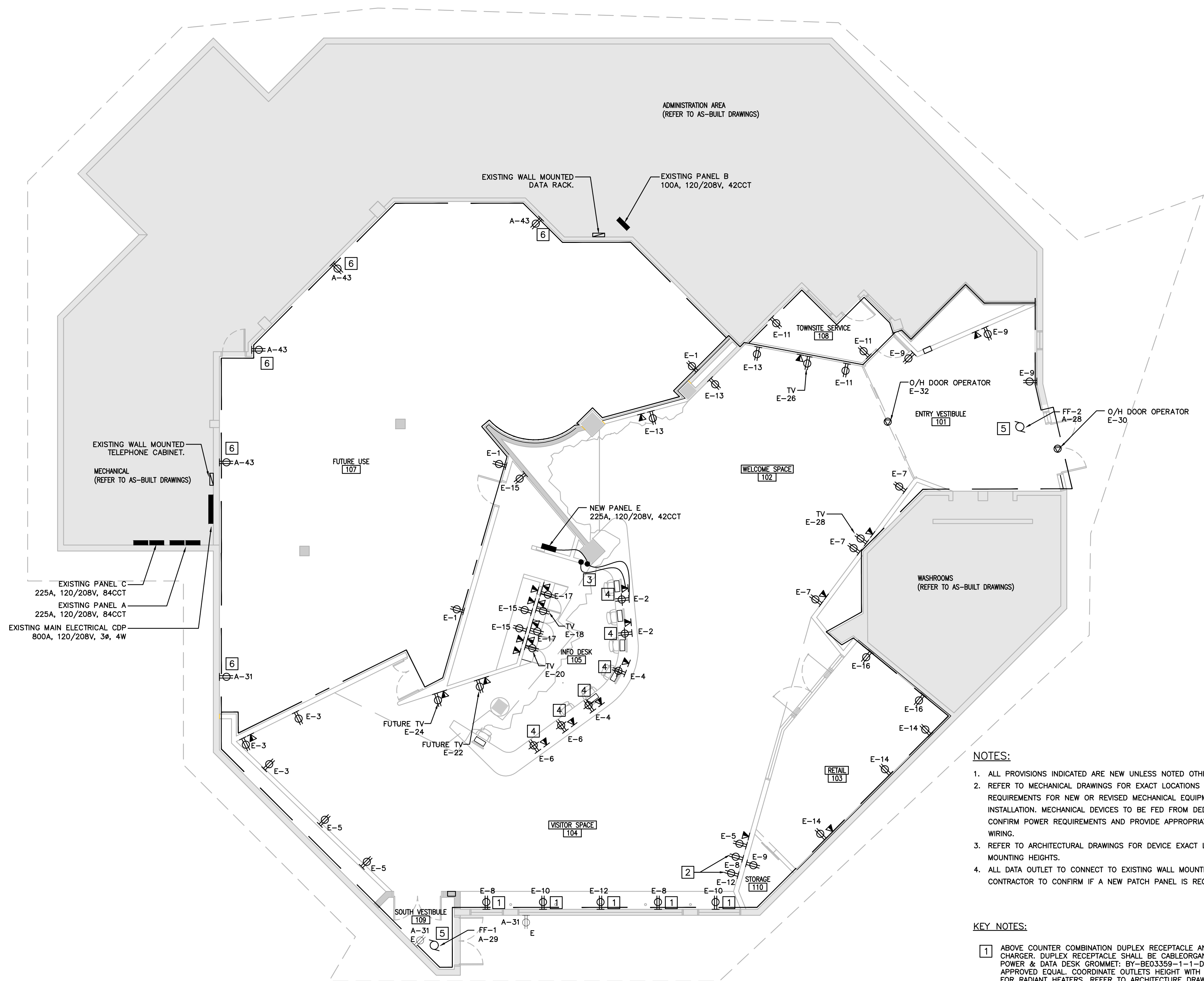
Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

Drawing title/Titre du dessin

LIGHTING DEMO PLAN

Surveyed by/Arpenté par	Drawn by/Dessiné par	Date
	SG	2018-10-05
Designed by/Concept par	Reviewed by/Revisé par	Scale/Echelle
SG	CS	1:100
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./N° du projet		Sheet No./N° de la feuille
60572662		
Drawing Set No./N° de série du dessin		E-102



1 POWER DISTRUIBUTION AND SYSTEM PLAN
E-201 1:100

NOTES:

1. ALL PROVISIONS INDICATED ARE NEW UNLESS NOTED OTHERWISE.
2. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND REQUIREMENTS FOR NEW OR REVISED MECHANICAL EQUIPMENT PRIOR TO INSTALLATION. MECHANICAL DEVICES TO BE FED FROM DEDICATED CIRCUITS. CONFIRM POWER REQUIREMENTS AND PROVIDE APPROPRIATE BREAKER AND WIRING.
3. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE EXACT LOCATIONS AND MOUNTING HEIGHTS.
4. ALL DATA OUTLET TO CONNECT TO EXISTING WALL MOUNTED DATA RACK. CONTRACTOR TO CONFIRM IF A NEW PATCH PANEL IS REQUIRED.


KEY NOTES:


- 1 ABOVE COUNTER COMBINATION DUPLEX RECEPTACLE AND USB CHARGER. DUPLEX RECEPTACLE SHALL BE CABLEORGANIZER NODE POWER & DATA DESK GROMMET; BY-BE03359-1-1-DZA-72 OR APPROVED EQUAL. COORDINATE OUTLETS HEIGHT WITH MECHANICAL FOR RADIANT HEATERS. REFER TO ARCHITECTURE DRAWING FOR EXACT LOCATION OF THE OUTLETS.
- 2 COMBINATION DUPLEX RECEPTACLE AND USB CHARGER. DUPLEX RECEPTACLE SHALL BE LEVITON: T5632-W OR APPROVED EQUAL.
- 3 RUN POWER AND COMMUNICATIONS CONDUITS DOWN COLUMN TO THE INFORMATION DESK.
- 4 POWER AND DATA OUTLETS SHALL BE INSTALLED BELOW INFORMATION DESK COUNTER. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
- 5 CONTRACTOR TO DISCONNECT THE EXISTING FF-1 & FF-2 AND RE-CONNECT TO NEW FF-1 & FF-2 UNITS.
- 6 RE-USE EXISTING CONDUIT AND CIRCUIT. REPLACE WIRES AND RECEPTACLES WITH NEW.


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1	2018.04.27	ISSUED FOR DESIGN DEVELOPMENT	HF	HF
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision				
A B	Detail number	A Numéro de détail		
	Sheet number	B Numéro de la feuille		
Linear dimensions in millimètres		Dimensions linéaires en millimètres		
Consultant's Name Nom de l'expert-conseil			Eng. Stamp Sceau de l'ingénieur	

 Parks Canada
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Western and Northern
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Gestion Stratégique
des Biens,
Région de l'Ouest et
du Nord





Project title/Titre du projet

LAKE LOUISE
VISITOR CENTRE

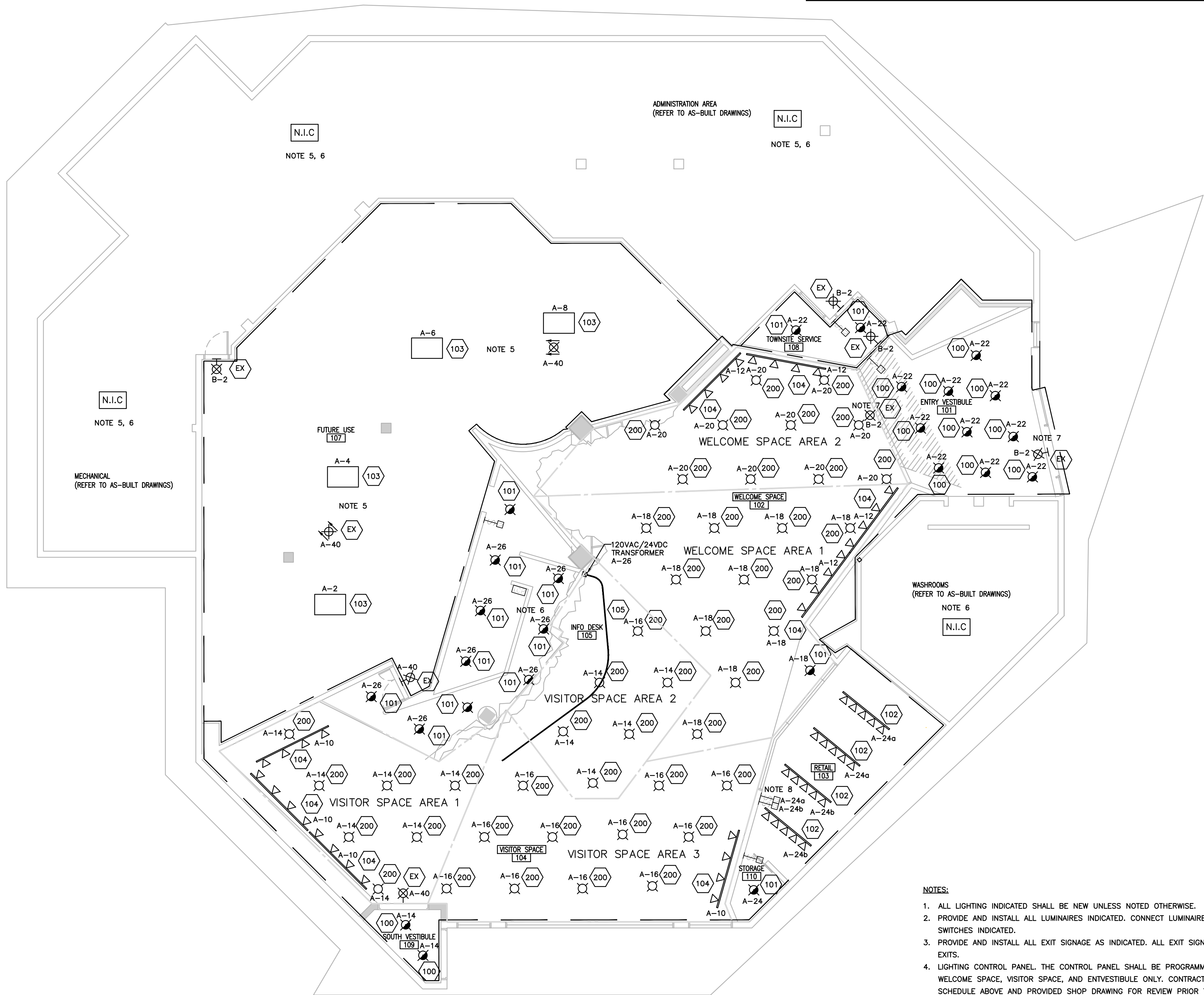
Drawing title/Titre du dessin

POWER DISTRUIBUTION
AND SYSTEM PLAN

Surveyed by/Arpenté par SG	Drawn by/Dessiné par SG	Date 2018-10-05
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Echelle 1:100
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Project No./N° du projet 60572662		Asset No./N° du bien
Drawing Set No./N° de série du dessin		Sheet No./ N° de la feuille E-201

Lighting Control Panel "LCP" Relay Schedule

Load description	Circuit Number	Relay Number	Local Switch	Group Switch integrated	Timer Control	Photo Cell Control	Dimmer Control	Other Control
Visitor Space area 1	E-14	1	No	Yes	Yes	No	Yes	No
Visitor Space area 2	E-14	2	No	Yes	Yes	No	Yes	No
Visitor Space area 3	E-16	3	No	Yes	Yes	No	Yes	No
Welcome Space area 1	E-18	4	No	Yes	Yes	No	Yes	No
Welcome Space area 2	E-20	5	No	Yes	Yes	No	Yes	No
Entry Vetibule	E-22	6	No	Yes	Yes	No	Yes	No




- NOTES:
- ALL LIGHTING INDICATED SHALL BE NEW UNLESS NOTED OTHERWISE.
 - PROVIDE AND INSTALL ALL LUMINAIRES INDICATED. CONNECT LUMINAIRES TO CIRCUITS AND DESIGNATED SWITCHES INDICATED.
 - PROVIDE AND INSTALL ALL EXIT SIGNAGE AS INDICATED. ALL EXIT SIGNAGE SHALL BE RUNNING MAN TYPE EXITS.
 - LIGHTING CONTROL PANEL. THE CONTROL PANEL SHALL BE PROGRAMMABLE TO CONTROL LIGHTING IN THE WELCOME SPACE, VISITOR SPACE, AND ENTVESTIBULE ONLY. CONTRACTOR NEEDS TO REFER TO RELAY SCHEDULE ABOVE AND PROVIDED SHOP DRAWING FOR REVIEW PRIOR TO PURCHASE. CONTRACTOR TO COORDINATED WITH MANUFACTURE TO PROGRAM THE CONTROL PANEL ON SITE.
 - EXIT SIGN IN THIS AREA TO BE UPDATED WITH THE RUNNING MAN TYPE EXIT.
 - LIGHTING UPGRADE WILL NOT BE PROVIDED IN WASHROOMS, EXHIBIT AND OFFICE AREAS
 - PROVIDE PENDANT MOUNT KIT FOR EXIT SIGN NOTED.
 - TWO GANG DIMMER SWITCH TO CONTROL LIGHTING IN RETAIL AREA.

1 LIGHTING PLAN
E-202 1:100

NOT FOR CONSTRUCTION

5	2018.10.05	ISSUED FOR TENDER	SG	SG
4	2018.09.19	99% PROGRESS	SG	SG
3	2018.09.07	90% PROGRESS	SG	SG
2	2018.08.07	60% PROGRESS	SG	SG
1	2018.04.27	ISSUED FOR DESIGN DEVELOPMENT	HF	HF
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Revision			
A B	Detail number	A Numéro de détail	
	Sheet number	B Numéro de la feuille	
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Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur	

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Strategic Asset Management, Western and Northern Region	Gestion Stratégique des Biens, Région de l'Ouest et du Nord

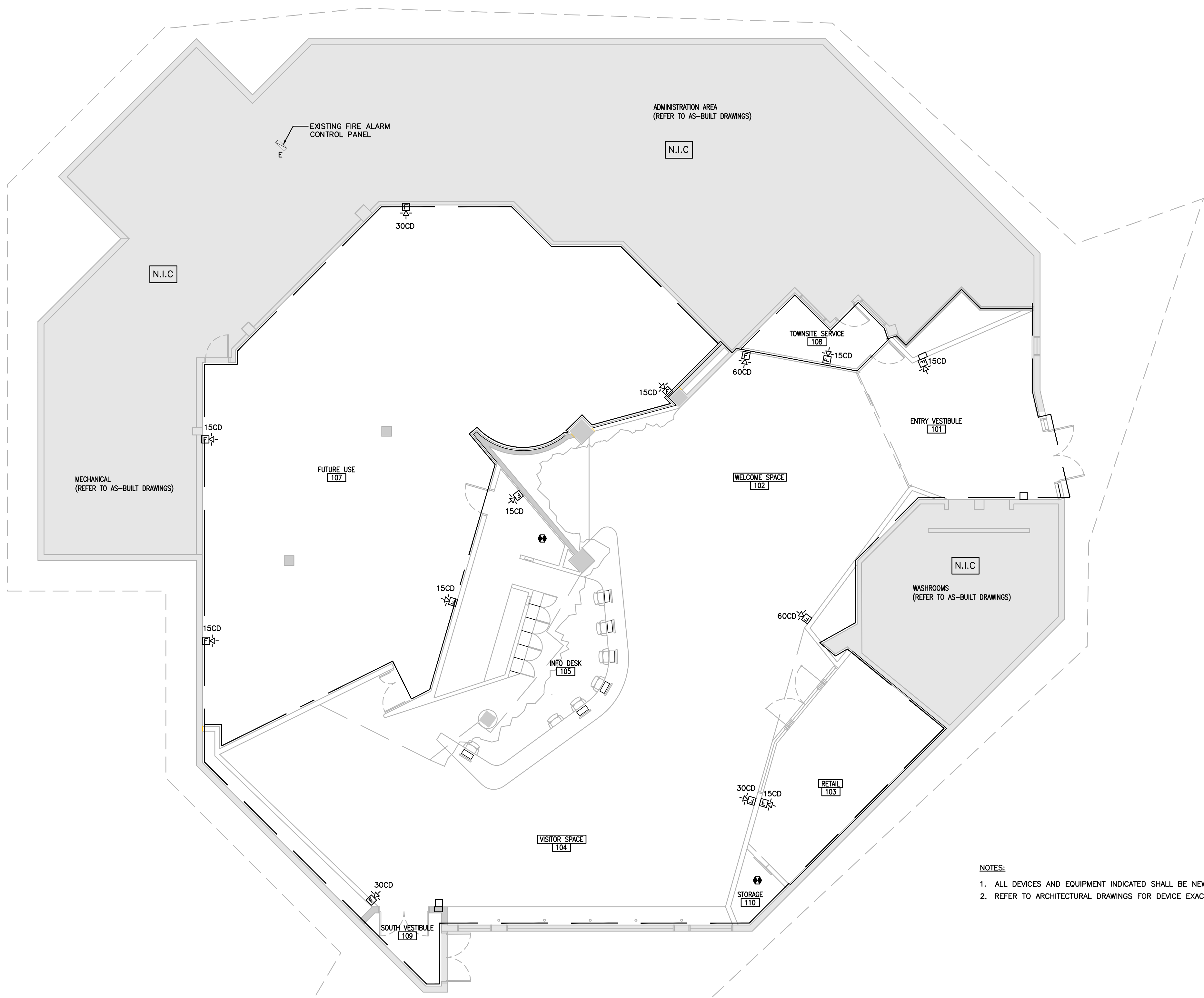
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LAKE LOUISE VISITOR CENTRE

Drawing title/Titre du dessin
LIGHTING PLAN

Surveyed by/Arpenté par SG	Drawn by/Dessiné par SG	Date 2018-10-05
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Echelle 1:100
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Project No./N° du projet 60572662	Asset No./N° du bien	Sheet No./ N°de la feuille E-202
Drawing Set No./N° de série du dessin		





NOTES:
1. ALL DEVICES AND EQUIPMENT INDICATED SHALL BE NEW UNLESS NOTED OTHERWISE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR DEVICE EXACT LOCATIONS AND MOUNTING HEIGHTS.

1 FIRE ALARM PLAN
E-203 1:100

NOT FOR CONSTRUCTION

5	2018.10.05	ISSUED FOR TENDER	SG	SG
4	2018.09.19	99% PROGRESS	SG	SG
3	2018.09.07	90% PROGRESS	SG	SG
2	2018.08.07	60% PROGRESS	SG	SG
1	2018.04.27	ISSUED FOR DESIGN DEVELOPMENT	HF	HF
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Consultant's Name Nom de l'expert-conseil		Eng. Stamp Sceau de l'ingénieur	

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Project title/Titre du projet
LAKE LOUISE VISITOR CENTRE

Drawing title/Titre du dessin
FIRE ALARM PLAN

Surveyed by/Arpenté par SG	Drawn by/Dessiné par SG	Date 2018-10-05
Designed by/Concept par SG	Reviewed by/Revisé par CS	Scale/Echelle 1:100
Client Acceptance/Acceptation du client		Approved by/Approuvé par
Date		Date
Project No./N° du projet 60572662	Asset No./N° du bien	Sheet No./ N° de la feuille E-203
Drawing Set No./N° de série du dessin		