



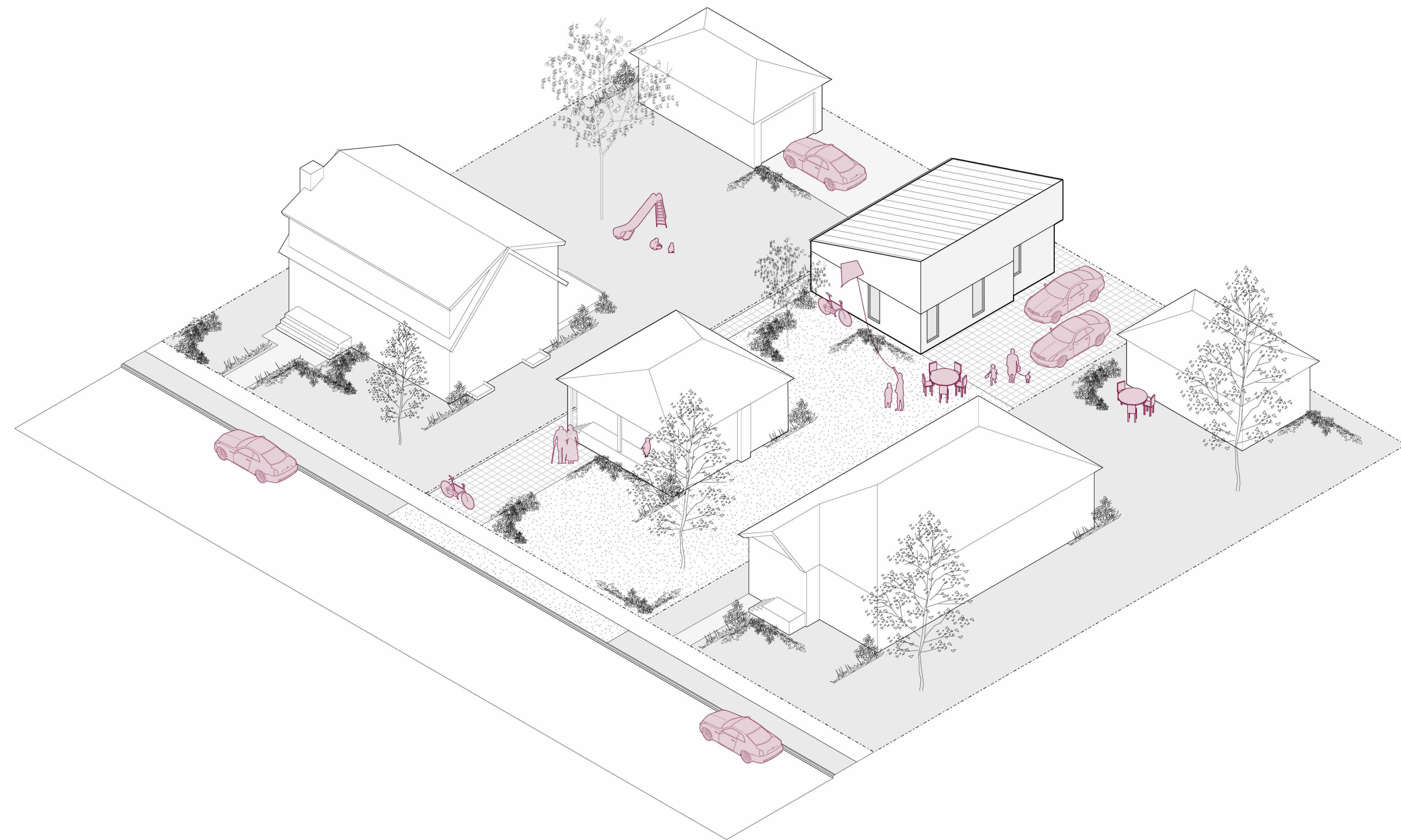
HOUSING DESIGN CATALOGUE

AB - ACCESSORY DWELLING UNIT 01

CMHC HOUSING DESIGN CATALOGUE

AB ACCESSORY DWELLING UNIT 01

ARCHITECTURAL DRAWINGS



BUILDING DATA	
BUILDING FOOTPRINT	72.87m ² (784.36ft ²)
BUILDING HEIGHT	5.70m (18'-8")
STOREYS	1 STOREY
NUMBER OF UNITS	1
UNIT SUMMARY	
UNIT 1	2 BEDROOM, 1 BATHROOM, ACCESSIBLE READY
UNIT 1-ALT	1 BEDROOM, 1 BATHROOM, ENHANCED ACCESSIBILITY

ARCHITECTURAL SHEET LIST	
000	TITLE SHEET
A000	COVER SHEET
A003	ASSEMBLIES SCHEDULE
A004	OPENINGS SCHEDULE
A005	FIRE RATING DETAILS
A006	TYP. DETAILS
A007	TYP. DETAILS
A008	TYP. DETAILS
A009	TYP. DETAILS
A010	SITE PLAN & CODE MATRIX
A101	MAIN FLOOR PLAN - ACCESSIBLE READY
A102	MAIN FLOOR PLAN - ENHANCED ACCESSIBILITY
A104	ROOF PLAN
A200	ELEVATIONS
A300	SECTIONS



DISCLAIMER

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ABBREVIATIONS

ABBREVIATIONS MAY OR MAY NOT INCLUDE PERIOD PUNCTUATION.
ABBREVIATIONS APPLY TO ARCHITECTURAL DOCUMENTS ONLY.

ARCH	ARCHITECTURAL
BF	BARRIER FREE
C/C	CENTRE TO CENTRE
CL	CENTER LINE
CIV	CIVIL
DIA	DIAMETER
DIM	DIMENSION
DWG	DRAWING
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
GEOTECH	GEOTECHNICAL
GWB	GYPSPUM WALL BOARD
FFE	FINISH FLOOR ELEVATION
FRR	FIRE RESISTANCE RATING
FD	FLOOR DRAIN
HR	HOUR
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
NBC (AE)	NATIONAL BUILDING CODE (ALBERTA EDITION)
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
O/C	ON CENTRE
RM	ROOM
R/O	ROUGH OPENING
RWL	RAIN WATER LEADER
SCH	SCHEDULE
SF	SQUARE FEET
SIM	SIMILAR
SM	SQUARE METER
SPEC	SPECIFICATION
STC	SOUND TRANSMISSION CLASS
STRUC	STRUCTURAL
TBD	TO BE DETERMINED
TOP	TOP OF
T&G	TONGUE & GROOVE
TYP	TYPICAL
US	UNDERSIDE
W/C	WASHROOM

ANNOTATION LEGEND

ASSEMBLY TAGS

	EXTERIOR WALL TAG
	INTERIOR PARTITION TAG
	ROOF TAG
	FLOOR TAG

(REFER TO ASSEMBLIES SCHEDULES)

TAGS

 **DOOR TAG**
REFER TO DOOR SCHEDULE

 **WINDOW TAG**
REFER TO WINDOW SCHEDULE

DRAWING TAGS

	DETAIL NUMBER DRAWING SHEET NUMBER
	BUILDING SECTION NUMBER DRAWING SHEET NUMBER
	EXTERIOR ELEVATION NUMBER DRAWING SHEET NUMBER
	GRID BUBBLE
	SPOT ELEVATION (ABOVE FINISH FLOOR)
	ROOM TAG
	CENTRELINE

[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

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OR CONSTRUCTION

SHEET TITLE:

COVER SHEET

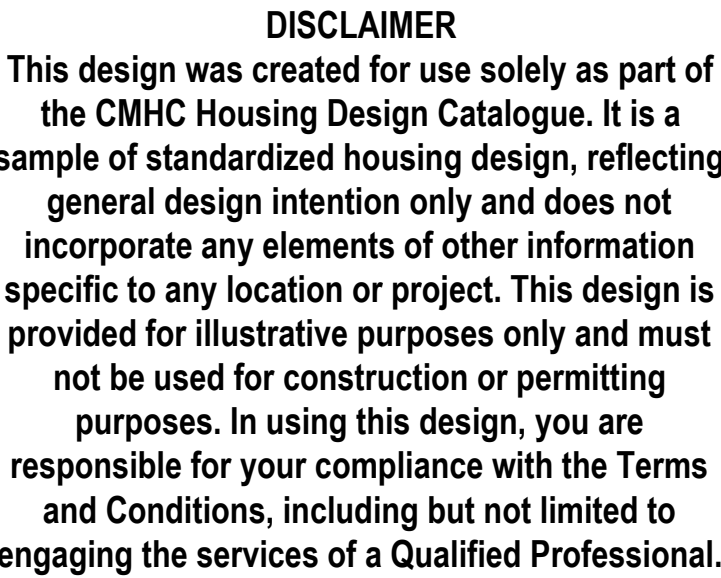
AB Accessory Dwelling Unit 01

PROJECT NO: 241058

SCALE: As indicated

SHEET NO:

A000



INSULATION LEGEND	
	RIGID INSULATION
	BELOW GRADE RIGID INSULATION
	MINERAL WOOL, BATT

NO.	DATE	DESCRIPTION
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ALBERTA, CANADA

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AB Accessory Dwelling Unit 01

SHEET NO:

A003

ASSEMBLY GENERAL NOTES

- ALL LOAD BEARING WALLS SUPPORTING A RATED FLOOR ASSEMBLY SHALL HAVE A FIRE RESISTANCE RATING NOTLESS THAN THE SUPPORTED FLOOR ABOVE AS PER NBC(AE) 9.10.8.3.
- 16MM (5/8") GYPSUM BOARD, TYPE X TO BE USED ON LOAD BEARING WALLS (SEE STRUCTURAL) TO PROVIDE FR.
- ALL WALL AND FLOOR ASSEMBLIES REQUIRED TO BE A FIRE SEPARATION SHALL BE CONSTRUCTED AS A CONTINUOUS BARRIER AGAINST THE SPREAD OF FIRE AND SMOKE AS PER NBC(AE) 9.10.9.2.
- ALL PENETRATIONS THROUGH A REQUIRED FIRE SEPARATION TO MEET REQUIREMENTS OF NBC(AE) 9.10.9.6.
- ALL PIPING PENETRATIONS THROUGH A RATED ASSEMBLY OR A MEMBRANE THAT FORMS PART OF A RATED ASSEMBLY TO CONFORM TO NBC(AE) 9.10.9.7.
- ALL OPENINGS FOR ELECTRICAL OR SIMILAR OUTLET BOXES IN RATED ASSEMBLIES TO CONFORM TO NBC(AE) 9.10.9.8.
- RECESSED LIGHTING FIXTURES SHALL NOT BE LOCATED IN INSULATED CEILINGS UNLESS THE FIXTURES ARE DESIGNED FOR SUCH INSTALLATIONS AS PER NBC(AE) 9.34.1.4.
- STRUCTURAL SLAB:** EFFECTIVE THERMAL RESISTANCE OF AN UNHEATED FLOOR ABOVE FROSTLINE IN CONTACT WITH GROUND WITH A HRV FOR CLIMATE ZONE 7A: MINIMUM EFFECTIVE THERMAL RESISTANCE RSI 1.8 . REFER TO NBC(AE) 9.36.
- WALLS:** EFFECTIVE THERMAL RESISTANCE OF ABOVE-GROUND OPAQUE ASSEMBLIES WITH HRV IN CLIMATE ZONE 7A: RSI 6.1 . REFER TO NBC(AE) 9.36.
- ROOFS:** EFFECTIVE THERMAL RESISTANCE OF ABOVE-GROUND OPAQUE ASSEMBLIES WITH A HRV IN CLIMATE ZONE 7A: RSI 6.5 . REFER TO NBC(AE) 9.36.
- FOAMED ELASTICS TO BE THERMALLY PROTECTED AS PER NBC(AE) 9.10.17.10.
- ROOFING MATERIAL AND INSTALLATION AS PER NBC(AE) 9.26.2.
- VAPOUR BARRIER AS PER NBC(AE) 9.27.
- INSULATION AS PER NBC(AE) 9.25.2.1.
- CLADDING AS PER NBC(AE) 9.25.4.
- WHERE CLOSED CELL SPRAY INSULATION ACTS AS VAPOUR CONTROL, ENSURE SUFFICIENT QUANTITY TO MEET NBC(AE) 9.25.4.2.(B).

F - FLOOR ASSEMBLIES				
TYPE	DIAGRAM	DESCRIPTION	PERFORMANCE	
F1	INTERIOR ENGINEERED FILL / INORGANIC NATIVE SOIL	SLAB ON GRADE /AR 3" (76mm) VAR 8" (200mm) CAST-IN-PLACE CONCRETE SLAB-ON-GRADE, REFER TO STRUCTURAL BELOW GRADE RIGID INSULATION VAPOR CONTROL BARRIER FREE-DRAINING GRANULAR BASE	R-VALUE	MIN. R 13.82 / MIN. RSI 2.43
			INSULATION R/RSI VALUES TO BE SPECIFIED PER PROJECT LOCATION AS PER NBC(AE) 9.36	
F2	INTERIOR VAR	WOOD FRAMED FLOOR, RATED 3/4" (19mm) 3/8" (10mm) 3/4" (19mm) VAR 5 1/2" (139mm) 1 1/2" (38mm) 5/8" (16mm) 5/8" (16mm) VAR FLOOR FINISH RUBBER UNDERLAY T&G PLYWOOD SUBFLOOR, SCREWED & GLUED ENGINEERED WOOD JOIST OR I-JOIST (REFER TO STRUCTURAL) ACOUSTIC BATT IN-FILL INSULATION RESILIENT FURRING CHANNELS @ 600mm O/C INTERIOR GYPSUM BOARD, TYPE X WOOD FRAMED WITH GYPSUM BOARD BULKHEAD/SUSPENDED CEILING AT MECH DUCTS, REFER TO MECHANICAL	FRR	1HR AS PER NBC (AE) § 3.1.1
			STC	54
			IIC	48
			FRR BASED ON F ₆₀ AS PER NBC (AE) 9.10.3.1-8	
F3	INTERIOR VAR	WOOD FRAMED FLOOR 3/4" (19mm) 1/4" (10mm) 3/4" (19mm) VAR 3 1/2" (89mm) 1 1/2" (38mm) 5/8" (16mm) VAR FLOOR FINISH RUBBER UNDERLAY T&G PLYWOOD SUBFLOOR, SCREWED & GLUED ENGINEERED WOOD JOIST OR I-JOIST (REFER TO STRUCTURAL) ACOUSTIC BATT IN-FILL INSULATION RESILIENT FURRING CHANNELS INTERIOR GYPSUM BOARD WOOD FRAMED WITH GYPSUM BOARD BULKHEAD/SUSPENDED CEILING AT MECH DUCTS, REFER TO MECHANICAL	FRR	N/A
			STC	N/A
			IIC	N/A
F4	INTERIOR EXTERIOR	EXTERIOR ENVELOPE SOFFIT 1/4" (19mm) 1/8" (10mm) 1/4" (19mm) VAR VAR ENGINEERED WOOD JOIST OR I-JOIST (REFER TO STRUCTURAL) 5 1/2" (140mm) 1/8" (10mm) 1/8" (10mm) VAR 3" (76mm) VAR 1/4" (6mm) FLOOR FINISH RUBBER UNDERLAY T&G PLYWOOD SUBFLOOR, SCREWED & GLUED VAPOR BARRIER ENGINEERED WOOD JOIST OR I-JOIST (REFER TO STRUCTURAL) STUD CAVITY IN-FILL INSULATION (R-24.0) EXTERIOR GRADE PLYWOOD AIR BARRIER, VAPOR PERMEABLE RIGID INSULATION (R-12.8) VENTED CAVITY W/ METAL Z-GIRTS METAL SOFFIT	R-VALUE	MIN. R 10.22 / MIN. RSI 1.8
			INSULATION R/RSI VALUES TO BE SPECIFIED PER PROJECT LOCATION AS PER NBC(AE) 9.36	
F5	INTERIOR EXTERIOR	EXTERIOR ENVELOPE SOFFIT, RATED 1/4" (19mm) 1/8" (10mm) 1/4" (19mm) VAR VAR ENGINEERED WOOD JOIST OR I-JOIST (REFER TO STRUCTURAL) STUD CAVITY IN-FILL INSULATION (R-24.0) EXTERIOR GRADE GYPSUM BOARD, TYPE X EXTERIOR GRADE GYPSUM BOARD, TYPE X AIR BARRIER, VAPOR PERMEABLE RIGID INSULATION (R-12.8) VENTED CAVITY W/ METAL Z-GIRTS METAL SOFFIT FLOOR FINISH RUBBER UNDERLAY T&G PLYWOOD SUBFLOOR, SCREWED & GLUED VAPOR BARRIER ENGINEERED WOOD JOIST OR I-JOIST (REFER TO STRUCTURAL) STUD CAVITY IN-FILL INSULATION (R-24.0) EXTERIOR GRADE GYPSUM BOARD, TYPE X EXTERIOR GRADE GYPSUM BOARD, TYPE X AIR BARRIER, VAPOR PERMEABLE RIGID INSULATION (R-12.8) VENTED CAVITY W/ METAL Z-GIRTS METAL SOFFIT	R-VALUE	MIN. R 10.22 / MIN. RSI 1.8
			FRR	1HR AS PER NBC (AE) § 3.1.1
			FRR BASED ON F ₆₀ AS PER NBC (AE) 9.10.3.1-8	
			INSULATION R/RSI VALUES TO BE SPECIFIED PER PROJECT LOCATION AS PER NBC(AE) 9.36	
			STUD CAVITY INSULATION AND RIGID INSULATION TO BE NON COMBUSTIBLE	

The diagram illustrates four types of door configurations, each with labeled dimensions for Width and Height. A dashed line indicates the ground level.

- DOOR TYPE A**
EXTERIOR SOLID PANEL WITH DOOR VIEWER
This diagram shows a solid panel door with a diagonal door viewer. The dimensions are labeled as WIDTH and HEIGHT.
- DOOR TYPE B**
INTERIOR SOLID PANEL
This diagram shows a solid panel door. The dimensions are labeled as WIDTH and HEIGHT.
- DOOR TYPE C**
INTERIOR DOUBLE SOLID PANEL
This diagram shows a double solid panel door. The dimensions are labeled as WIDTH and HEIGHT.
- DOOR TYPE D**
INTERIOR 4 PANEL FOLDING CLOSET DOOR
This diagram shows a four-panel folding closet door. The dimensions are labeled as WIDTH and HEIGHT.

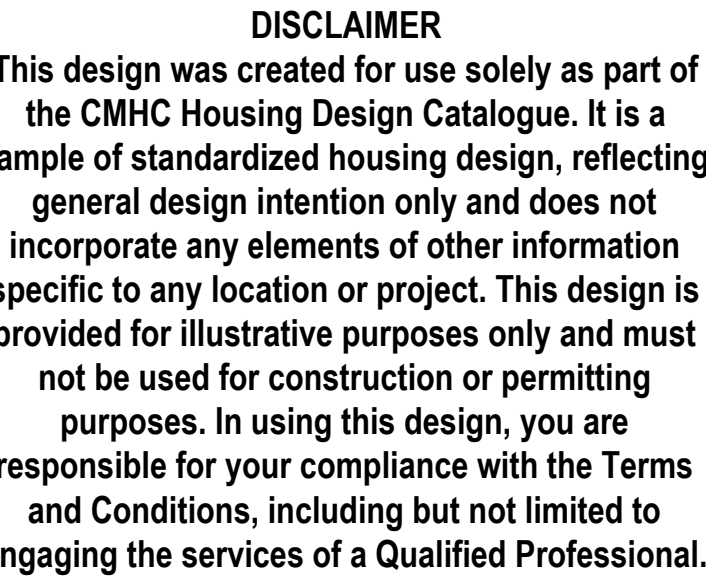
The diagram illustrates three window types with their respective dimensions and elevation references:

- WINDOW TYPE A FIXED:** A simple rectangular window. Dimensions are labeled as HEIGHT and WIDTH. A note below indicates 'SILL HEIGHT VARIES REFER TO ELEVATION'.
- WINDOW TYPE B CASEMENT:** A rectangular window with a triangular opening at the bottom. Dimensions are labeled as HEIGHT and WIDTH. A note below indicates 'SILL HEIGHT VARIES REFER TO ELEVATION'.
- WINDOW TYPE C AWNING:** A rectangular window with a triangular opening at the top. Dimensions are labeled as HEIGHT and WIDTH. A note below indicates 'SILL HEIGHT VARIES REFER TO ELEVATION'.

1. WINDOWS AND DOORS TO CONFORM TO REQUIREMENTS OF NBC(AE) 9.7.3 AND NBC(AE) 9.7.4
2. MAXIMUM U-VALUE FOR WINDOWS TO CONFORM TO ABC TABLE NBC(AE) 9.7.3.3 AND NBC(AE) 9.36.2.7.4
3. ALL OPERABLE WINDOWS WITH A SILL HEIGHT OR OPERABLE SECTION LESS THAN 900mm ABOVE FINISHED FLOOR AND 1800mm ABOVE THE FLOOR OR GROUND ON THE OTHER SIDE OF THE WINDOW SHALL BE PROTECTED BY A SWING LIMITER RESTRICTING THE SWING TO NOT MORE THAN 100mm EITHER VERTICALLY OR HORIZONTALLY PER NBC(AE) 9.8.8.1.5
4. ALL GLASS TO MEET MATERIAL STANDARDS PER NBC(AE) 9.6.1.2
5. ALL SIDELIGHTS OR GLAZING AT INDOOR/ENTRIES TO DWELLING UNITS TO BE TEMPERED OR LAMINATED PER NBC(AE) 9.6.1.4
6. MINIMUM REQUIRED THERMAL CHARACTERISTIC OF PENETRATION AND DOORS HAS BEEN SHOWN AS CLIMATE ZONE 7A; MAX. U-VALUE 2.0. PROFESSIONAL DESIGNER TO REVISE AS REQUIRED FOR SITE CONDITION. MIN.
7. ALL PRINCIPAL ENTRANCE DOORS, EXIT DOORS OR DOORS TO SUITES INCLUDING EXTERIOR DOORS TO DWELLING UNITS SHALL BE OPERABLE FROM THE INSIDE WITHOUT KEYS AND DOOR RELEASE HARDWARE; SHALL BE GRASPABLE WITH ONE HAND; AND INSTALLED AT 900mm above FINISHED FLOOR PER NBC(AE) 9.9.6.7
8. ALL EXTERIOR DOORS TO HAVE INSULATED CORE & INSTALLED WITH WEATHERSTRIPPING.
9. EACH BEDROOM TO HAVE AT LEAST ONE WINDOW OR EXTERIOR DOOR IN COMPLIANCE WITH NBC(AE) 9.9.10.1. FOR EGRESS WINDOWS OR DOORS FOR BEDROOMS.
10. DOORS, DAMPERS, AND OTHER CLOSURES IN FIRE SEPARATIONS TO BE INSTALLED AS PER NBC(AE) 9.10.13
11. DOOR STOP CLOSURES TO BE INSTALLED AS PER NBC(AE) 9.10.1.1
12. FLAME-SPREAD RATING OF ALL WINDOWS TO CONFORM TO NBC(AE) 9.10.1.7
13. REFER TO NBC(AE) 9.7.2.2 FOR ADDITIONAL REQUIREMENTS FOR WINDOWS & DOORS.
14. ALL GLAZING SHOWN AS TRIPLE

TAG	TYPE	METRIC SIZE (mm)		IMPERIAL SIZE (FT-IN")		FIRE RATING	COMMENTS
		WIDTH	HEIGHT	WIDTH	HEIGHT		
DA01	DOOR TYPE A	965	2349	3'-2"	7'-8 1/2"	N/A	DOOR VIEWER AS PER NBC(AE) 9.7.2.1
DB01	DOOR TYPE B	914	2032	3'-0"	6'-8"	N/A	
DC01	DOOR TYPE C	1400	2000	4'-7 1/8"	6'-6 3/4"		
DD02	DOOR TYPE D	1600	2032	5'-3"	6'-8"	N/A	

TAG	TYPE	METRIC SIZE (mm)		IMPERIAL SIZE (ft-in")		COMMENTS
		WIDTH	HEIGHT	WIDTH	HEIGHT	
WA01	WINDOW TYPE A	1200	2000	3'-11 1/4"	6'-6 3/4"	EGRESS CLEARANCES AS PER NBC(AE) 9.9.10
WA02	WINDOW TYPE A	965	2400	3'-2"	7'-10 1/2"	
WB01	WINDOW TYPE B	800	2000	2'-7 1/2"	6'-6 3/4"	
WB02	WINDOW TYPE B	800	2000	2'-7 1/2"	6'-6 3/4"	
WC01	WINDOW TYPE C	762	950	2'-6"	3'-1 3/8"	
WC02	WINDOW TYPE C	1200	950	3'-11 1/4"	3'-1 3/8"	

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NO.	DATE	DESCRIPTION
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ALBERTA, CANADA

SHEET TITLE:

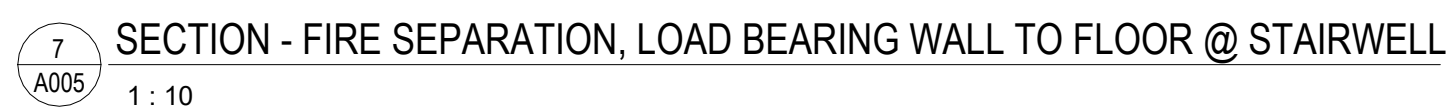
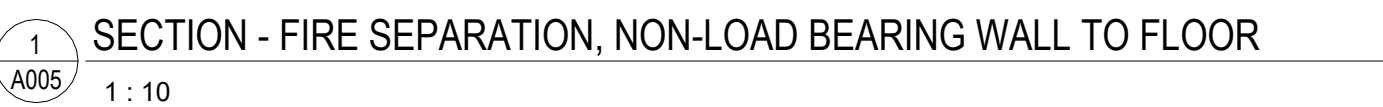
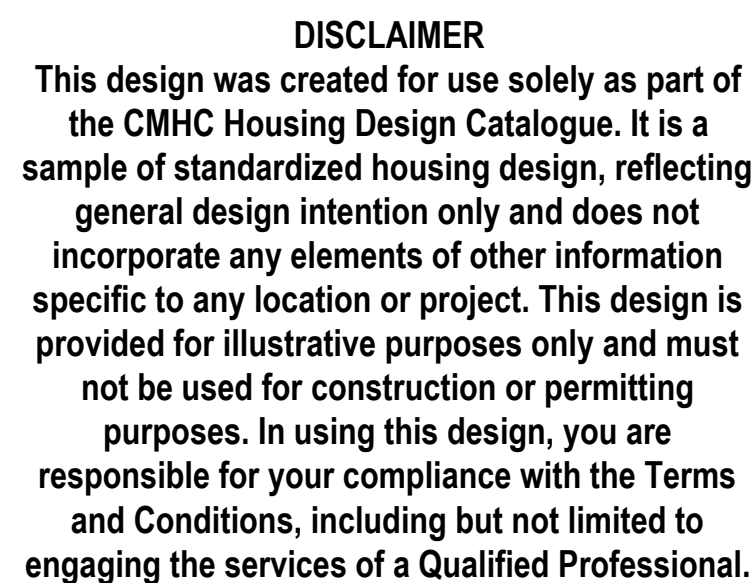
OPENINGS SCHEDULE

AB Accessory Dwelling Unit 01

PROJECT NO: 241058
SCALE: 1 : 50

SHEET NO:

A004



NO.	DATE	DESCRIPTION
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CMHC HOUSING
CATALOGUE

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FIRE RATING DETAILS

A005

	AIR BARRIER, VAPOUR PERMEABLE
	AIR BARRIER, NON-VAPOUR PERMEABLE
	TRANSITION MEMBRANE
	THROUGH-WALL FLASHING
	VAPOUR CONTROL BARRIER
	FOUNDATION DAMP PROOFING
	PRE-FIN METAL FLASHING

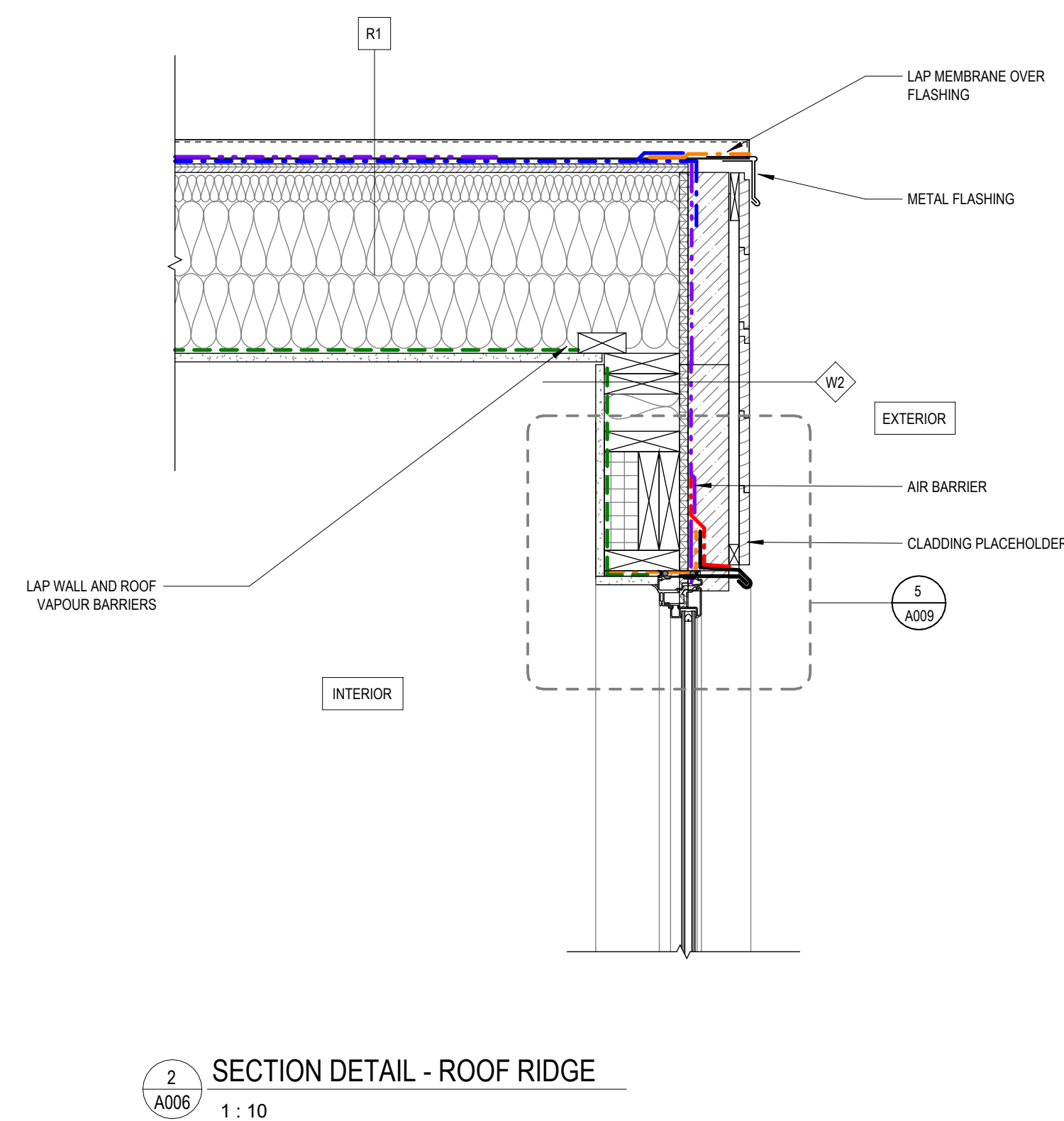
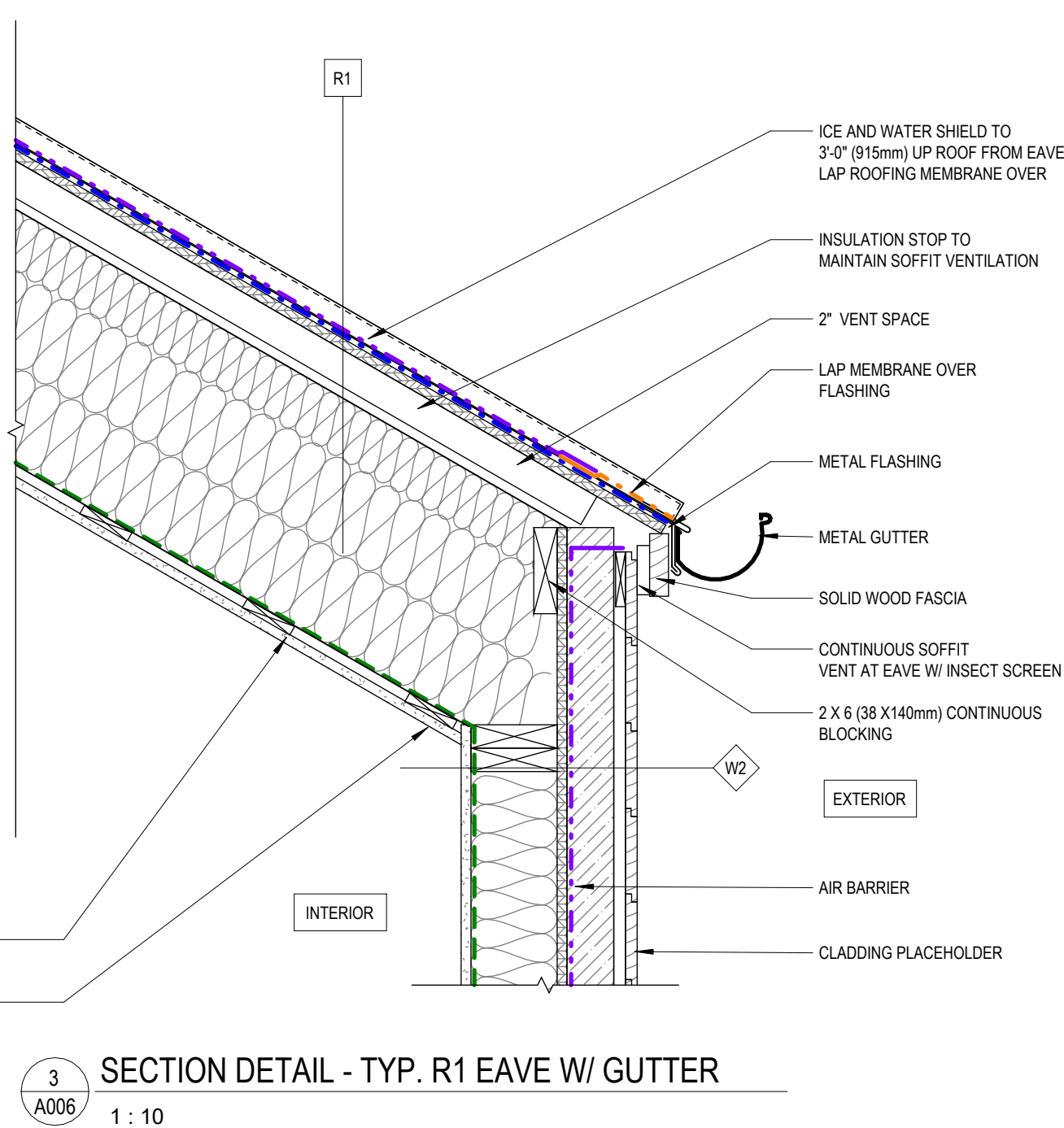
	MINERAL WOOL, SEMI-RIGID
	EXTRUDED POLYSTYRENE
	EXPANDED POLYSOCYANURATE
	SPRAY FOAM
	MINERAL WOOL, BATT

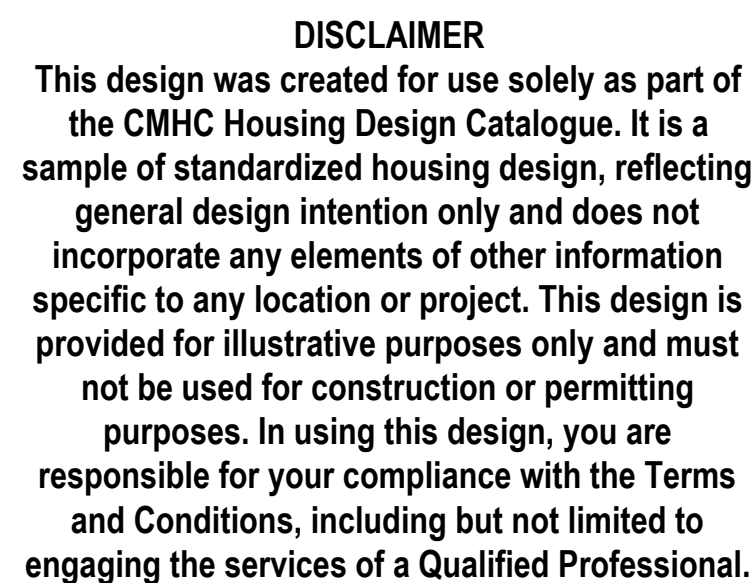
NO.	DATE	DESCRIPTION
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AB Accessory Dwelling Unit 01

A006





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-  AIR BARRIER, VAPOUR PERMEABLE
-  AIR BARRIER, NON-VAPOUR PERMEABLE
- TRANSITION MEMBRANE
-  THROUGH-WALL FLASHING
-  VAPOUR CONTROL BARRIER
-  FOUNDATION DAMP PROOFING
- PRE-FIN METAL FLASHING

- | | |
|---|---------------------------|
|  | MINERAL WOOL, SEMI-RIGID |
|  | EXTRUDED POLYSTYRENE |
|  | EXPANDED POLYISOCYANURATE |
|  | SPRAY FOAM |
|  | MINERAL WOOL, BATT |

NO.	DATE	DESCRIPTION
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SHEET NO.

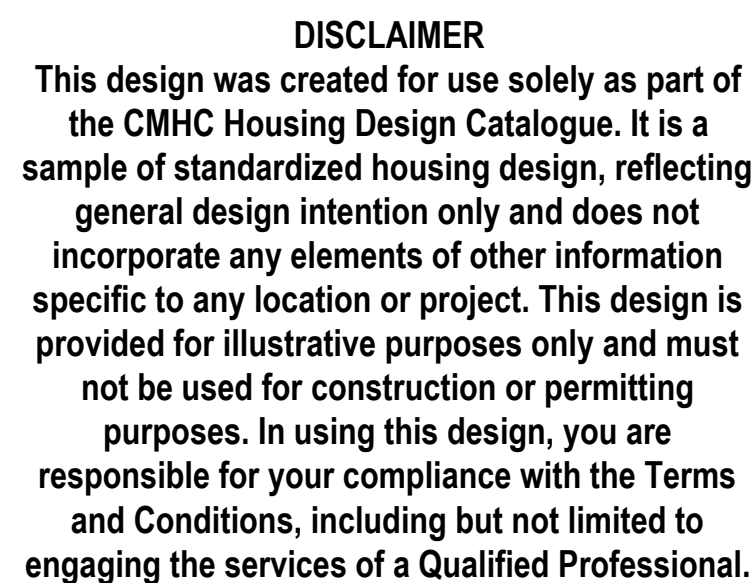
A007

5 SECTION - TYP. THRU WALL FLASHING AT FLOOR
A007 1 : 10

4 SECTION - TYP. WINDOW SOFFIT DETAIL
A007 1 : 10

2 SECTION DETAIL - TYP. FLOOR TO WALL & WINDOW SILL
A007 1 : 10

3 SECTION DETAIL - TYP. FOUNDATION DETAIL
A007 1 : 10



	AIR BARRIER, VAPOUR PERMEABLE
	AIR BARRIER, NON-VAPOUR PERMEABLE
	TRANSITION MEMBRANE
	THROUGH-WALL FLASHING
	VAPOUR CONTROL BARRIER
	FOUNDATION DAMP PROOFING
	PRE-FIN METAL FLASHING

	MINERAL WOOL, SEMI-RIGID
	EXTRUDED POLYSTYRENE
	EXPANDED POLYISOCYANURATE
	SPRAY FOAM
	MINERAL WOOL, BATT

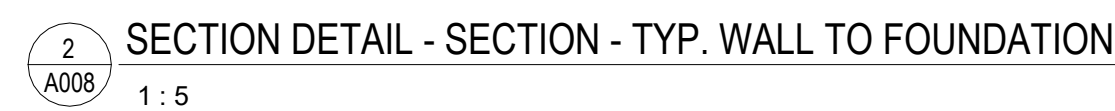
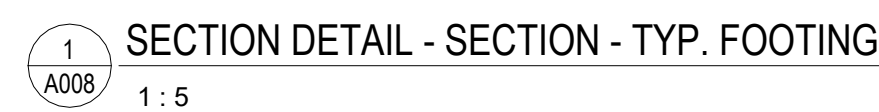
NO.	DATE	DESCRIPTION
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AB Accessory Dwelling Unit 01

SHEET NO:

3 SECTION DETAIL - TYP. STRIP FOOTING
A008 1 : 5



PROJECT NO: 241058
SCALE: As indicated

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MEMBRANE LEGEND

- AIR BARRIER, VAPOUR PERMEABLE
- AIR BARRIER, NON-VAPOUR PERMEABLE
- TRANSITION MEMBRANE
- THROUGH-WALL FLASHING
- VAPOUR CONTROL BARRIER
- FOUNDATION DAMP PROOFING
- PRE-FIN METAL FLASHING

INSULATION LEGEND

- MINERAL WOOL, SEMI-RIGID
- EXTRUDED POLYSTYRENE
- EXPANDED POLYISOCYANURATE
- SPRAY FOAM
- MINERAL WOOL, BATT

1	2025-02-21	Issued as Prototypical Drawing

NO.	DATE	DESCRIPTION
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PROJECT:
CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

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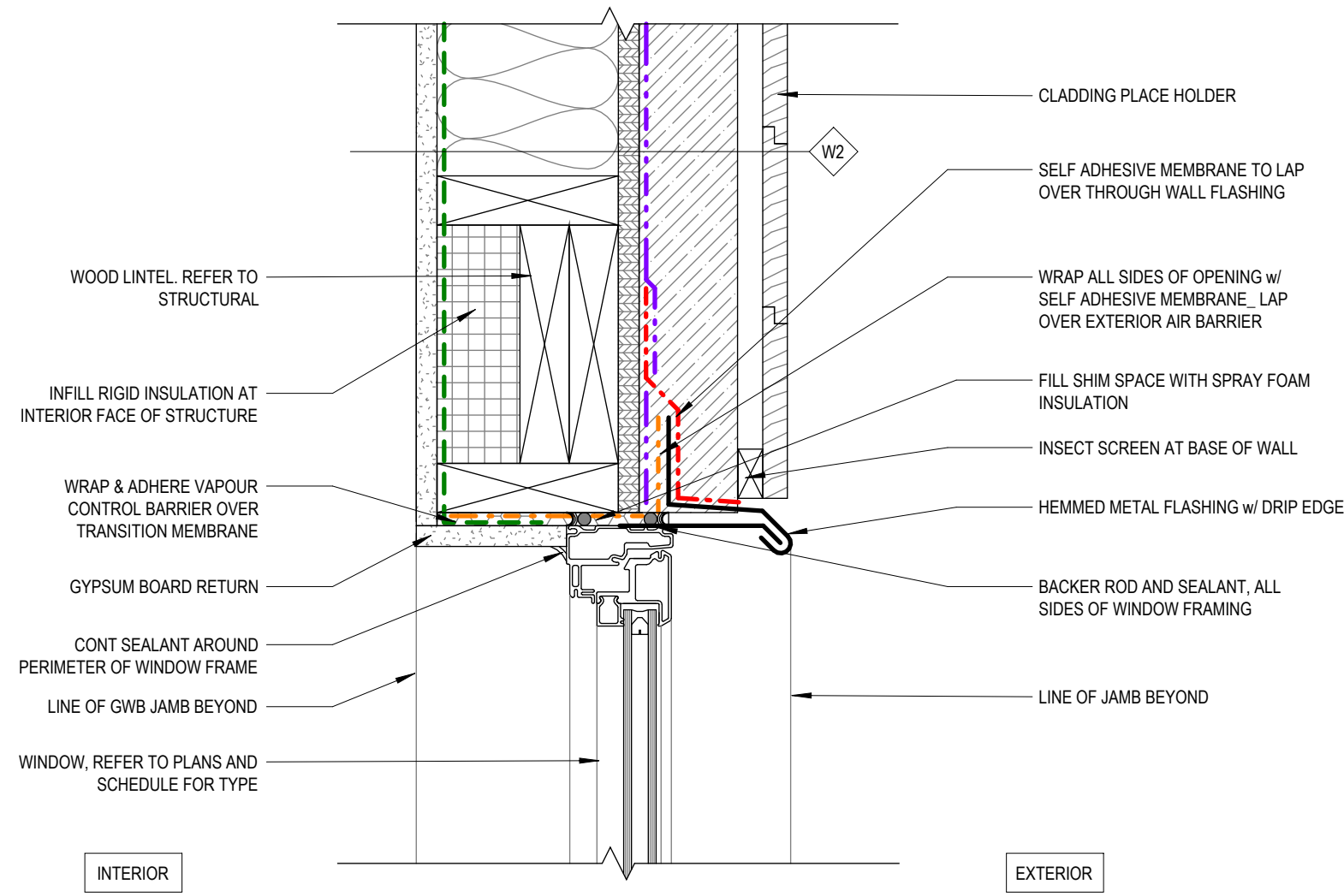
SHEET TITLE:
TYP. DETAILS

AB Accessory Dwelling Unit 01

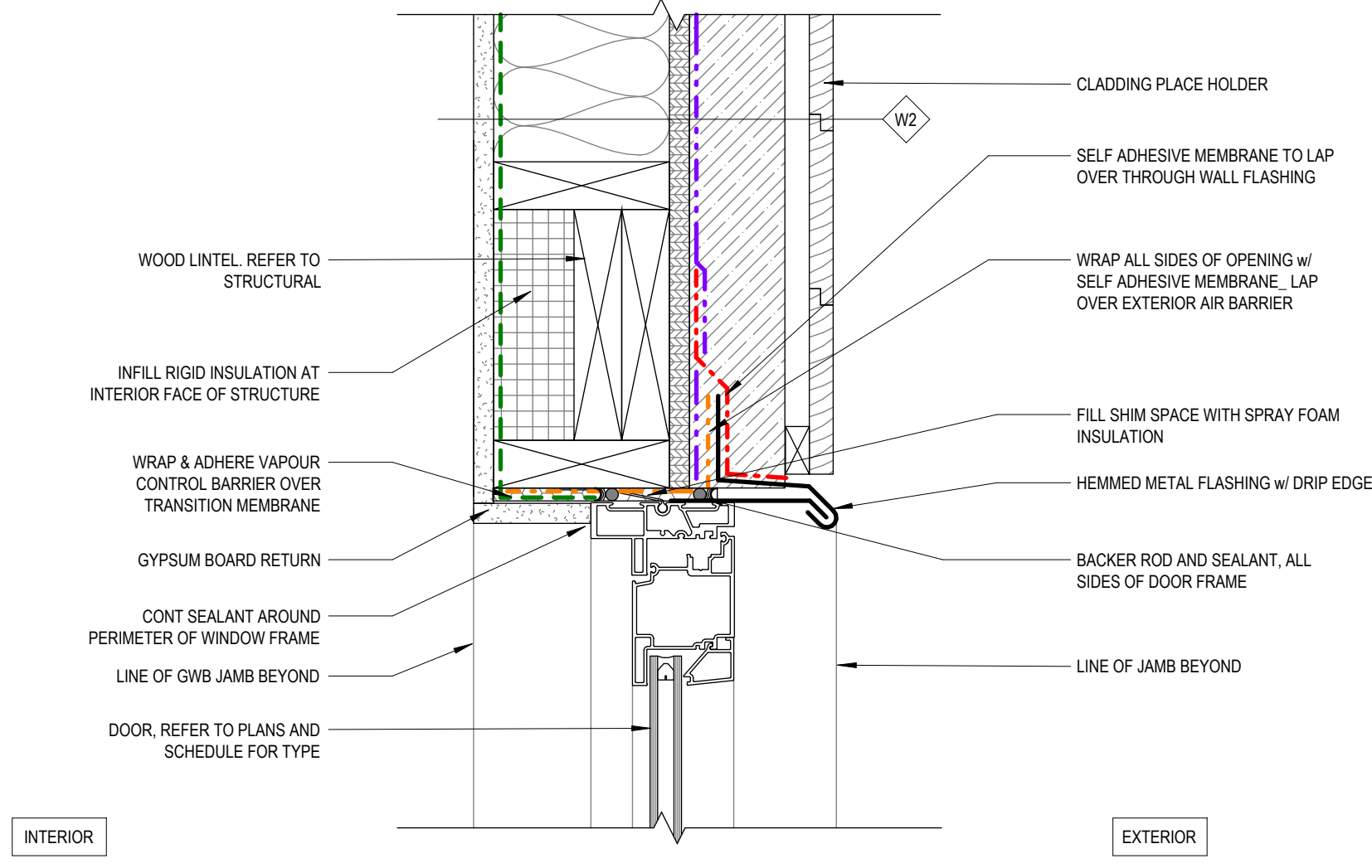
PROJECT NO: 241058
SCALE: As indicated

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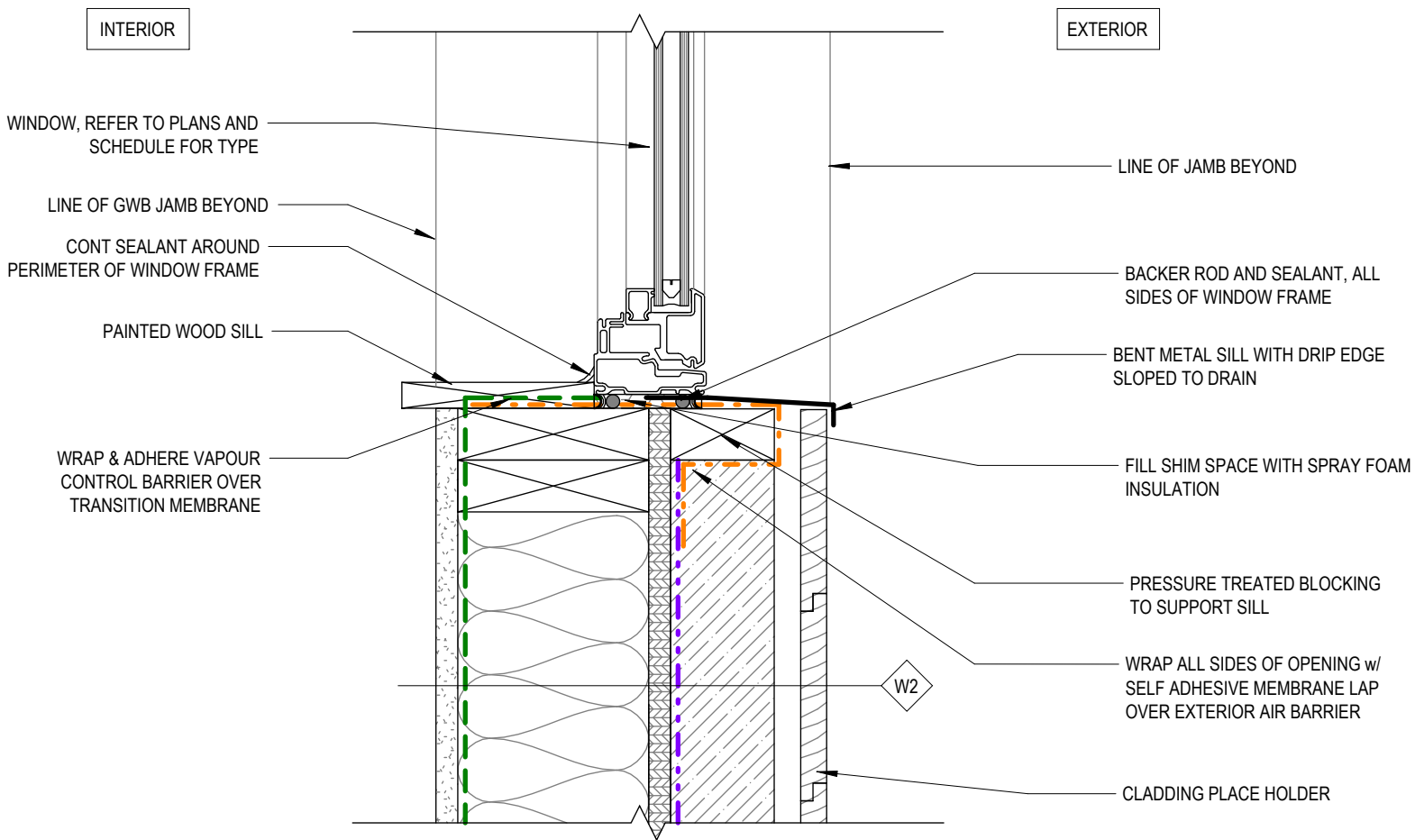
A009



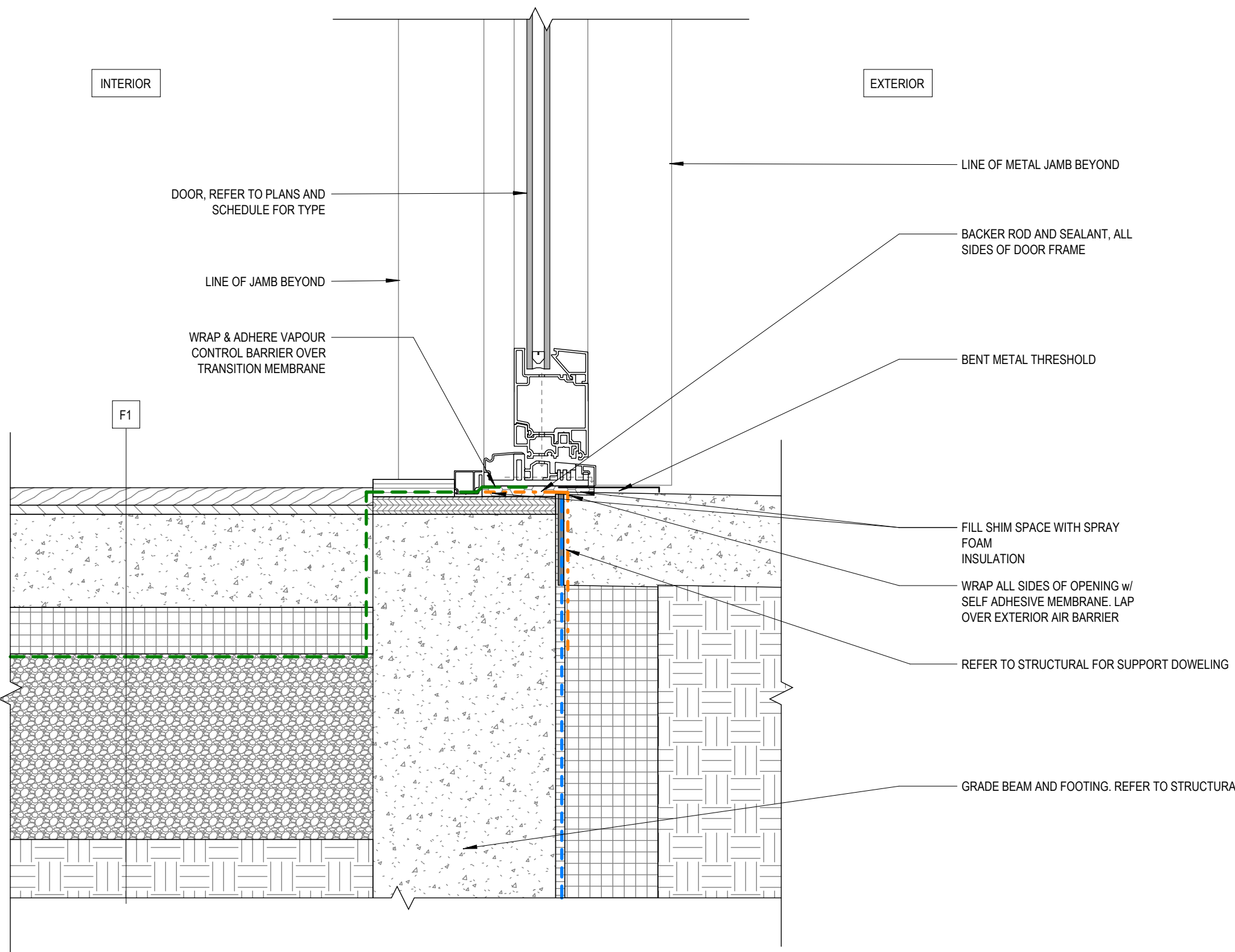
5 SECTION DETAIL - TYP. WINDOW HEAD
A009 1 : 5



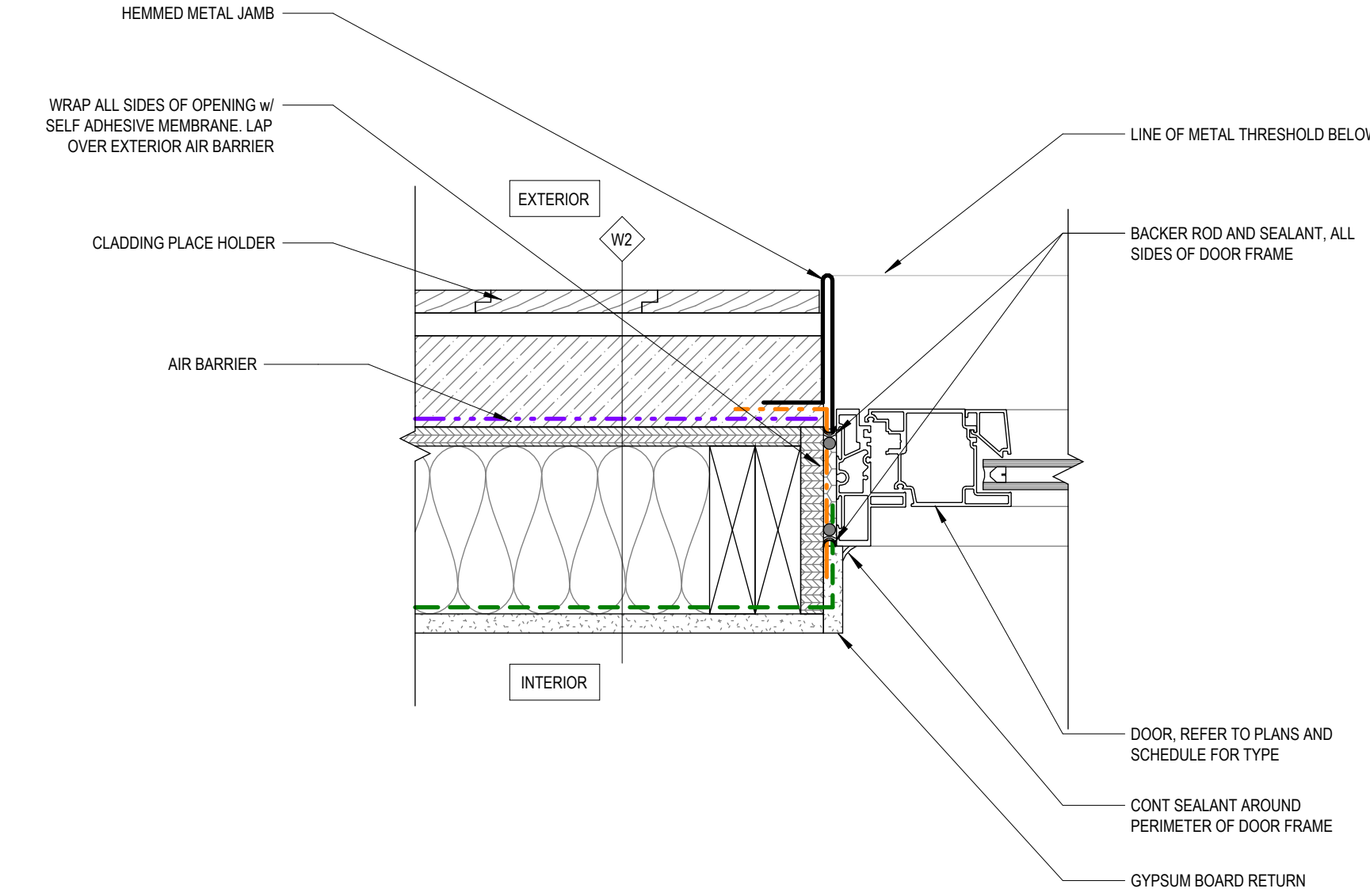
3 SECTION DETAIL - TYP. EXT. DOOR HEAD
A009 1 : 5



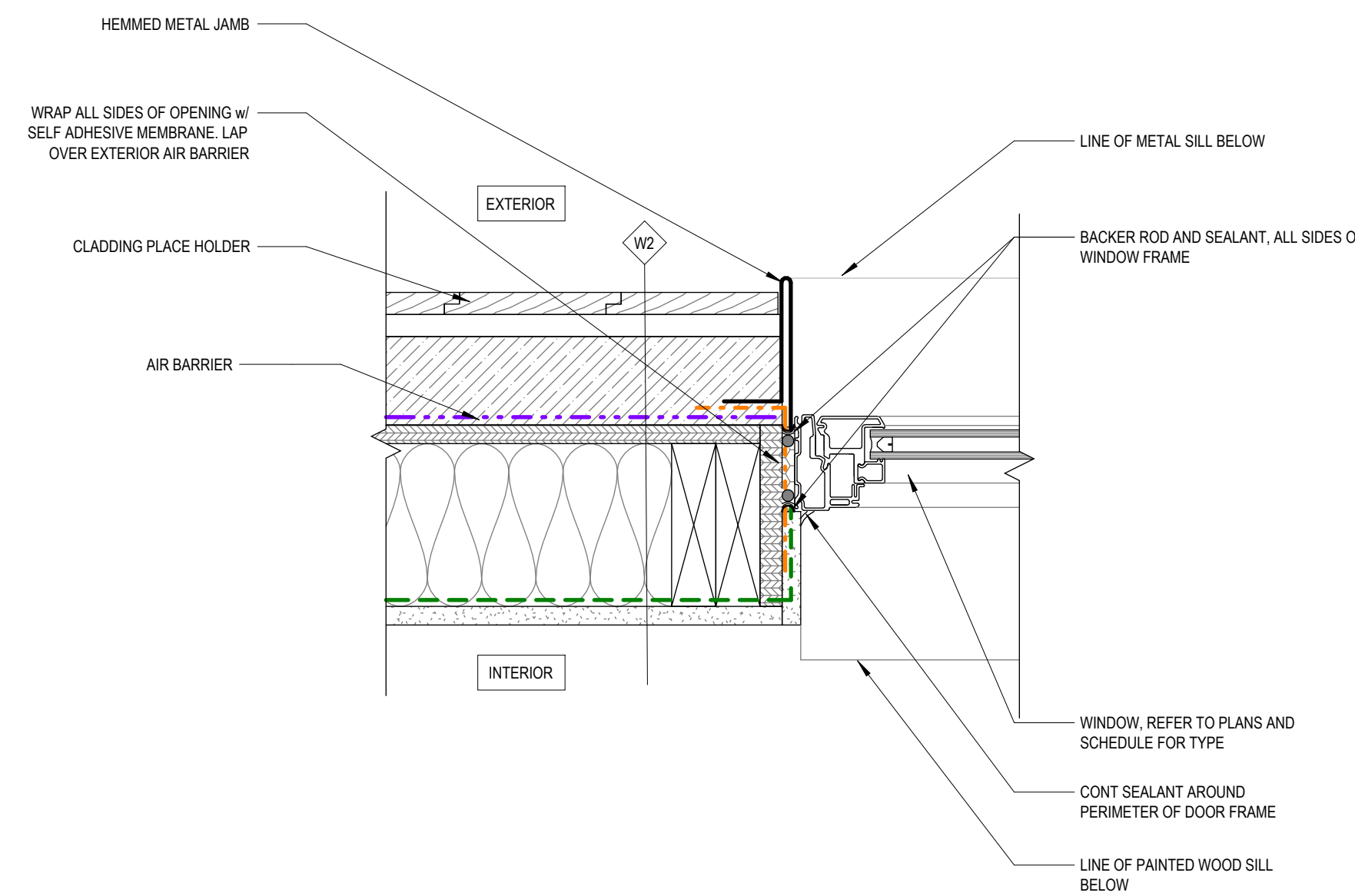
6 SECTION DETAIL - TYP. WINDOW SILL
A009 1 : 5



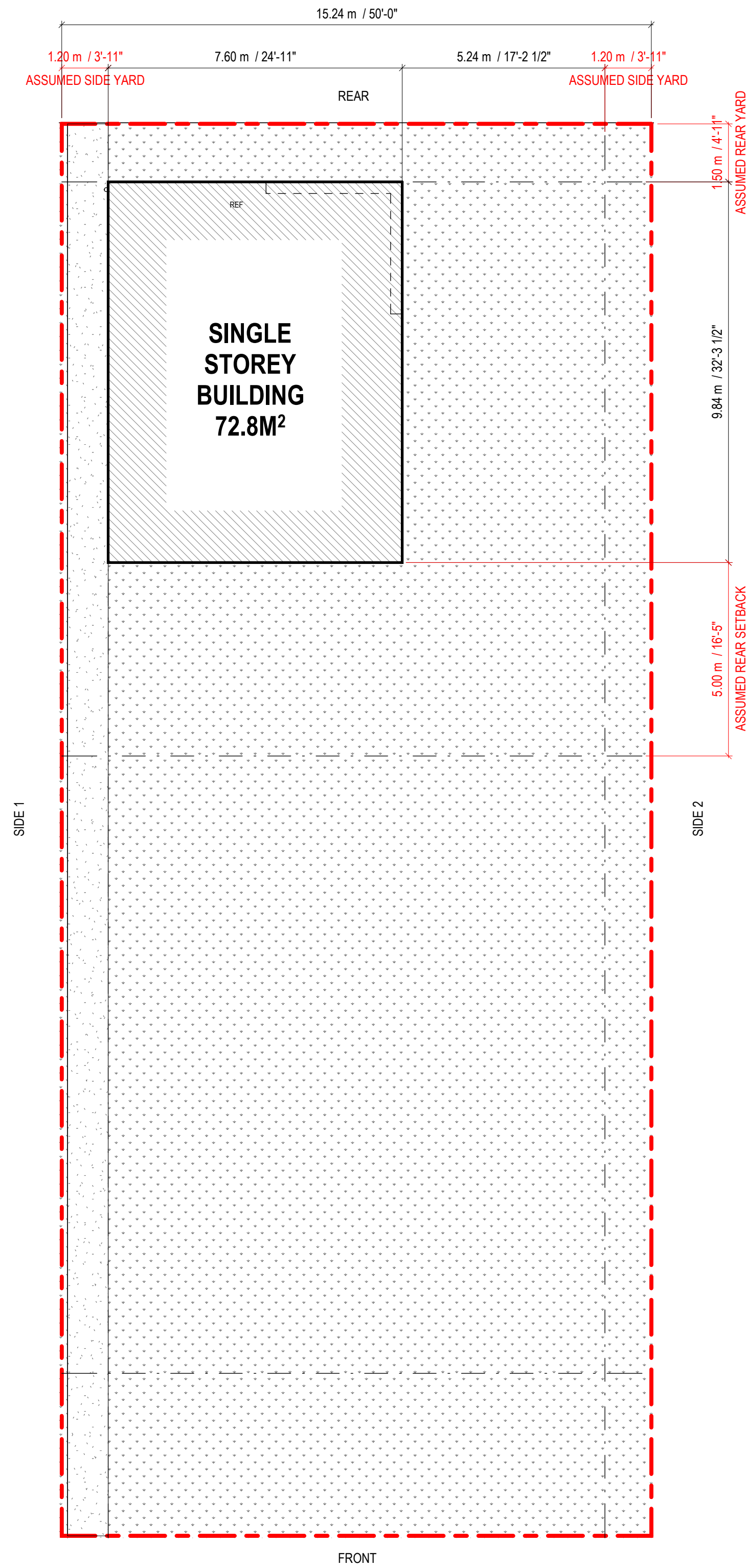
4 SECTION DETAIL - TYP. EXT. DOOR THRESHOLD
A009 1 : 5



1 PLAN - TYP. EXTERIOR DOOR JAMB
A009 1 : 5



2 PLAN - TYP. WINDOW JAMB
A009 1 : 5



1 SITE PLAN
A010 1 : 100

SITE DATA	
ADDRESS	N/A
LOT & PLAN NO.	N/A
ZONING	N/A
EXISTING	
LOT AREA	556.26 m²
BUILDING AREA	72.87 m²
COVERAGE	13.01%
LANDSCAPED OPEN SPACE	483.39 m²
SOFTSCAPE AREA	443.69 m² (79.8%)
HARDSCAPE AREA	38.33 m² (6.9%)
PARKING SPOTS	-
REQUIRED	
SETBACKS	REQUIRED
FRONT	ASSUMED 1.50 m
SIDE 1	ASSUMED 1.20 m
REAR	ASSUMED 5.00 m MINIMUM FROM EXISTING STRUCTURE
SIDE 2	ASSUMED 1.20 m
BUILDING DEPTH	9.84m

SITE LEGEND	
	ASSUMED PROPERTY LINE
	SETBACK
	BUILDING
	SOFTSCAPE
	HARDSCAPE

- SITE PLAN GENERAL NOTES**
- SITE DESIGN TO CONFORM TO FIREFIGHTING ACCESS REQUIREMENTS AS PER NBC(AE) 9.10.20.3.
 - GRADE TO BE SLOPED AWAY FROM BUILDING AS PER NBC(AE) 9.14.6.1.
 - DOWNSPOUT TO CONFORM TO NBC(AE) 9.26.18.2.
 - SITE DESIGN TO CONFORM TO BARRIER FREE REQUIREMENTS AS PER NBC(AE) 3.8.1.1. FOR ACCESS TO BARRIER FREE UNITS
 - ENTRANCE TO BARRIER FREE UNIT TO CONFORM TO NBC(AE) 3.8.1.2. AND NBC(AE) 3.8.3.3.
 - EXTERIOR WALKS THAT FORM PART OF A BARRIER-FREE PATH OF TRAVEL TO CONFORM FOR NBC(AE) 3.8.3.2.
 - SITE DESIGN TO CONFORM TO CSA/ASC B651 FOR ACCESS TO CSA/ASC B652 ENHANCED ACCESSIBILITY UNIT

ALBERTA BUILDING CODE DATA MATRIX										
PART 9 - HOUSING AND SMALL BUILDINGS										
BUILDING CODE VERSION		NATIONAL BUILDING CODE 2023 ALBERTA EDITION			ELEVENTH EDITION 2023			NBC(AE) REFERENCE		
PROJECT TYPE		NEW CONSTRUCTION RESIDENTIAL OCCUPANCY						[A] 1.3.3.3.		
MAJOR OCCUPANCY CLASSIFICATION		GROUP / DIVISION:	DESCRIPTION:	USE:		9.10.2.				
		C	1 STOREY 1 DWELLING BUILDING	RESIDENTIAL						
SUPERIMPOSED MAJOR OCCUPANCIES		NO						9.10.2.3.		
BUILDING AREA (m²)		DESCRIPTION:		TOTAL (m²):		[A] 1.4.1.2.				
		NEW CONSTRUCTION		72.87						
GROSS AREA (m²)		FLOOR LEVEL:	DESCRIPTION:	TOTAL (m²):		[A] 1.4.1.2.				
		GROUND FLOOR	1 RESIDENTIAL UNITS	72.87						
		TOTAL (m²):		72.87						
BUILDING HEIGHT		1	STOREYS ABOVE GRADE	5.55 m ABOVE AVERAGE GRADE		[A] 1.4.1.2. AND 9.10.4.				
		0	STOREYS BELOW GRADE							
*NUMBER OF STREETS		TBC						9.10.20		
SPRINKLER SYSTEM		NOT REQUIRED	PROVIDED: N/A						9.10.8.2.	
FIRE ALARM SYSTEM		NOT REQUIRED	TYPE PROVIDED: N/A						9.10.18	
*WATER SUPPLY IS ADEQUATE										
CONSTRUCTION TYPE		PERMITTED:	COMBUSTIBLE		CONSTRUCTION: NEW CONSTRUCTION			9.10.6		
		PROPOSED:	COMBUSTIBLE		SLAB ON GRADE, WOOD FRAMED CONSTRUCTION					
POST-DISASTER BUILDING		NO						[A] 1.3.3.3.		
OCCUPANT LOAD		FLOOR LEVEL:	UNIT #	OCCUPANCY TYPE:	BASED ON:	OCCUPANT LOAD (PERSONS):				
		GROUND FLOOR	UNIT 1	RESIDENTIAL	1 SLEEPING ROOMS	2		3.1.17(1)b AND 9.9.1.3.(2)		
		GROUND FLOOR	UNIT 1 - ALT	RESIDENTIAL	1 SLEEPING ROOMS	2				
BARRIER-FREE DESIGN		REQUIRED						9.5.2.		
HAZARDOUS SUBSTANCES		NO						9.10.1.3.(4)		
REQUIRED FIRE RESISTANCE RATINGS		HORIZONTAL ASSEMBLY:		RATING:	SUPPORTING ASSEMBLY:		9.10.8.1			
		FLOORS EXCEPT CRAWLSPACE:		N/A	N/A					
*SPATIAL SEPARATION		WALL:	EBF AREA (m²):	LD (m):	% OPENINGS MAX	% PROVIDED	RATING:	CONSTRUCTION TYPE:	CLADDING TYPE:	
		FRONT	16.8	1.50	9%	8.92%	N/A	TBC	TBC	
		REAR	32.4	5.00	39%	4.01%	N/A	TBC	TBC	
		SIDE 1	35.6	1.20	7%	3.65%	N/A	TBC	TBC	
		SIDE 2	29.5	1.20	7%	00.0%	N/A	TBC	TBC	
PLUMBING FIXTURE REQUIREMENTS		A KITCHEN SINK, LAVATORY, BATHTUB OR SHOWER SHALL BE PROVIDED FOR EVERY DWELLING UNIT							9.31.	
NOTES		91 ALL REFERENCES ARE TO DIVISION B OF THE NATIONAL BUILDING CODE UNLESS PRECEDED BY (A) FOR DIVISION A.								



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1	2025-02-21	Issued as Prototypical Drawing
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NO.	DATE	DESCRIPTION
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PROJECT:
CMHC HOUSING CATALOGUE

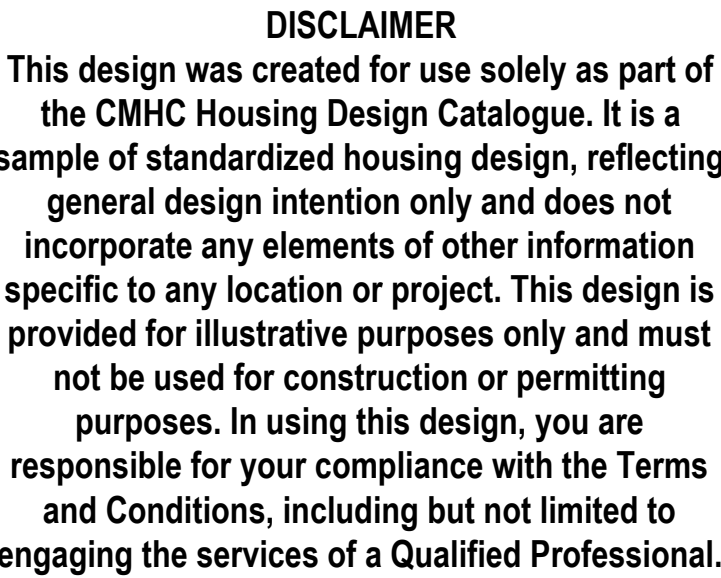
ALBERTA, CANADA
NOT FOR PERMIT OR CONSTRUCTION

SHEET TITLE:
SITE PLAN & CODE MATRIX

AB Accessory Dwelling Unit 01

PROJECT NO: 241058
SCALE: As indicated

SHEET NO:
A010



1
A101

MAIN FLOOR PLAN

1 : 50

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FLOOR PLAN GENERAL NOTES

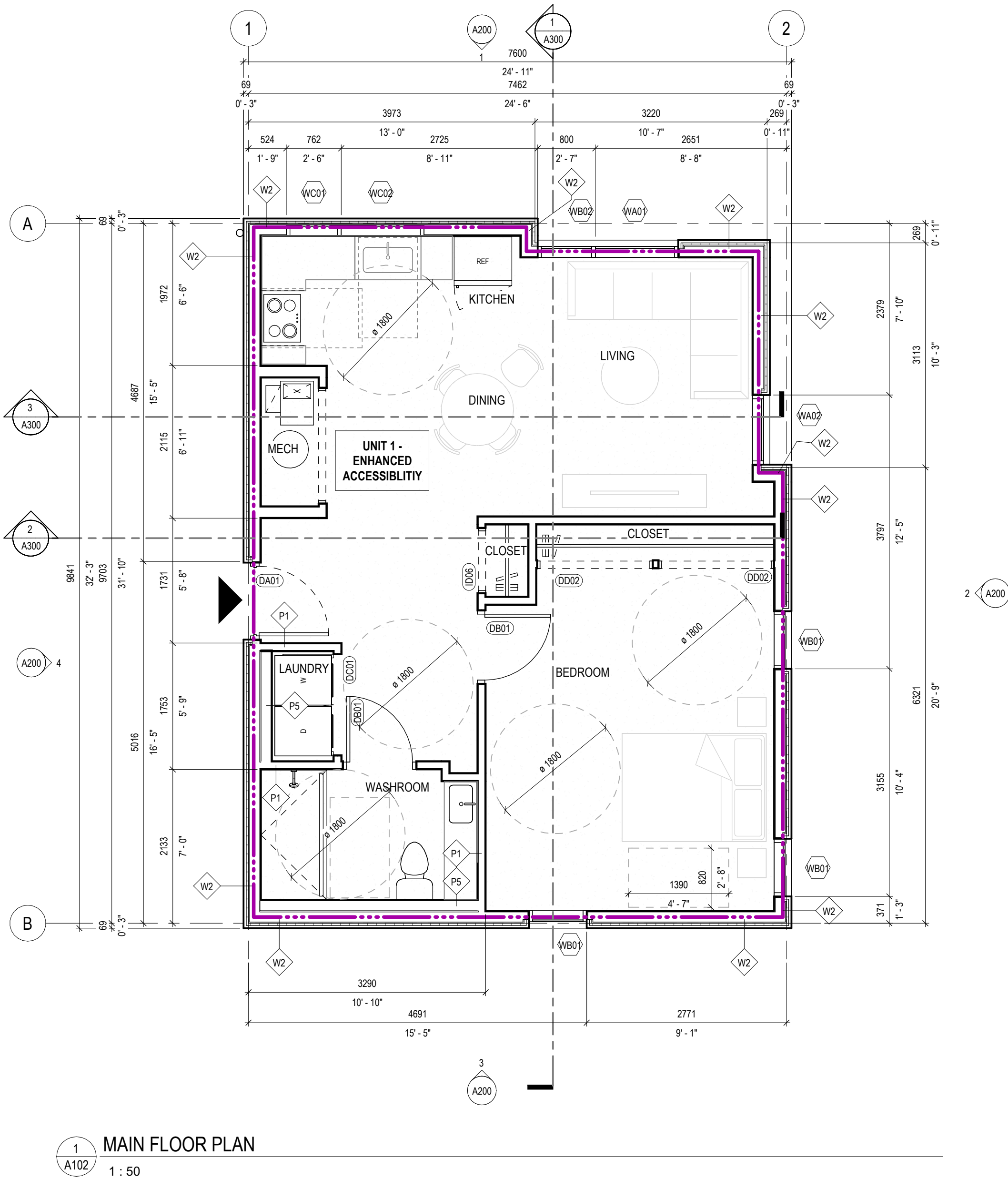
- ALL DIMENSIONS ARE TAKEN TO THE FINISH FACE OF THE INTERIOR PARTITIONS AND EXTERIOR WALLS, UNLESS NOTED OTHERWISE.
- ALL DIMENSIONS AT EXTERIOR WINDOWS AND DOORS ARE TAKEN TO THE OUTSIDE EDGE OF THE FRAME, UNLESS NOTED OTHERWISE.
- LOCATE ROUGH OPENINGS OF INTERIOR DOORS 100mm FROM INSIDE FACE IF INTERSECTING PARTITION, UNLESS NOTED OTHERWISE.
- CLOSET DOORS TO BE CENTERED ALONG INTERIOR CLOSET WIDTH, UNLESS NOTED OTHERWISE.
- ALL DROPPED CEILINGS AND BULKHEADS FOR MECHANICAL TO PROVIDE MIN 2100mm CLEAR BELOW .
- MIN CEILING HEIGHTS AS PER ABC TABLE 9.5.3.1
BATHROOMS & HALLWAYS=2100mm
BEDROOM = 2100mm
LIVING/DINING/KITCHEN = 2100mm
- REFER TO LANDSCAPE DOCUMENTS FOR EXTERIOR HARDSCAPE AND PLANTING ELEMENTS, AND PAVING TERMINATION DETAILS ADJACENT TO THE BUILDING.

FIRE RATED RESISTANCE LEGEND

1 HR

FLOOR PLAN LEGEND

	FLOOR MOUNTED TOILET
	PRE-FAB TUB
	KITCHEN SINK
	WASHROOM SINK
	WASHER
	DRYER
	DOMESTIC HOT WATER
	AIR HANDLER
	RANGE, TYPICAL
	REFRIGERATOR
	CLOSET COAT ROD



MAIN FLOOR PLAN

1 : 50

BEDROOMS (B652:23 5.11)	LAUNDRY (B652:23 5.12)	CLOSETS (B652:23 5.13)
REFER TO B652:23 5.11 BEDROOMS FOR ADDITIONAL REQUIREMENTS: 1. CLEAR SPACE AND TRANSFER SPACES AROUND BED 2. ELECTRICAL REQUIREMENTS IN BEDROOMS	REFER TO B652:23 5.12 LAUNDRY FOR ADDITIONAL REQUIREMENTS: 1. APPLIANCE REQUIREMENTS 2. CLOSET DOORS SHALL ALLOW FULL ACCESS TO SIDE-BY-SIDE UNITS 3. STORAGE AND ACCESSORY REQUIREMENTS	REFER TO B652:23 5.13 CLOSETS FOR ADDITIONAL REQUIREMENTS: 1. SHELVES, HANGING ROD HEIGHTS AND STORAGE REQUIREMENTS
THE BED SHALL HAVE A 1200mm ACCESSIBLE PATH ON THREE SIDES AND PROVIDE A TURNING RADIUS OF 1800mm WHERE A BEDROOM CONTAINS A BUILT-IN CLOSET	WASHER AND DRYER AS PER B652:23 5.12 KITCHENS CLEAR SPACE AS PER B652:23 5.12 LAUNDRY	1800mm MIN. TURNING RADIUS IN FRONT OF BEDROOM CLOSET AS PER B652:23 5.11 BEDROOMS

LEGEND	DOORS AND DOORWAYS (B652:23 5.7)		BATHROOMS (B652:23 5.9)			KITCHEN (B652:23 5.10)			
GENERAL NOTE: CSA/ASC B652:23 - "ACCESSIBLE DWELLINGS," WAS USED AS A GUIDE FOR SPACE PLANNING PURPOSES WITHIN UNIT(S) LABELED "ENHANCED ACCESSIBILITY - CSA/ASC B652". CONSULT THE STANDARD FOR A COMPLETE SET OF REQUIREMENTS.	REFER TO B652:23 5.7 DOORS AND DOORWAYS FOR ADDITIONAL REQUIREMENTS: 1. DOOR WIDTH AND CLEARANCE REQUIREMENTS 2. POWER DOOR OPERATOR REQUIREMENTS		REFER TO B652:23 5.9 BATHROOM(S) FOR ADDITIONAL REQUIREMENTS: 1. WALL REINFORCING BACKING AND GRAB BARS 2. VANITY AND ACCESSORY REQUIREMENTS 3. WASHROOM ILLUMINATION REQUIREMENTS			REFER TO B652:23 5.10 KITCHENS FOR ADDITIONAL REQUIREMENTS: 1. MIN. REQ COUNTER SPACE BETWEEN COOKTOP AND SINK NOT LESS THAN 820mm 2. ADDITIONAL KITCHEN FIXTURE AND APPLIANCE REQUIREMENTS 3. ELECTRICAL REQUIREMENTS IN KITCHEN 4. ADDITIONAL CABINETRY AND SPACE PLANNING REQUIREMENTS			
	SLIDING DOOR	SWINGING DOOR	ROLL-IN SHOWER	TOILET	BATHROOM SINK	REFRIGERATOR	KITCHEN SINK	COOKTOP	MICROWAVE
			WHEN SHOWER IS USED AS PART OF THE TURNING RADIUS, THE SHOWER TO REMAIN UNOBSTRUCTED. HAVE A SLOPE LESS THAN 2% AND BE CONSTRUCTED AS A WET ROOM.	TRANSFER SPACE AND CLEAR SPACE AS PER B652:23 5.9 BLOCKING BESIDE TOILET FOR GRAB BAR AS PER B652:23 5.9 GRAB RAILS AS PER B652:23 5.9.11 GRAB BARS	WASHROOM SINK AS PER B652:23 5.9 BATHROOM(S) CLEAR SPACE BELOW AS PER B652:23 5.10 BATHROOM(S)	REFRIGERATOR AS PER B652:23 5.10 KITCHENS CLEAR SPACE IN FRONT AS PER B652:23 5.10 KITCHENS	KITCHEN SINK AS PER B652:23 5.10 KITCHENS CLEAR SPACE BELOW AS PER B652:23 5.10 KITCHENS	COOKTOP AS PER B652:23 5.10 KITCHENS CLEAR SPACE BELOW AS PER B652:23 5.10 KITCHENS	MICROWAVE AND OVEN AS PER B652:23 5.10 KITCHENS CLEAR SPACE IN FRONT AS PER B652:23 5.10 KITCHENS

ALBERTA, CANADA

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SHEET TITLE:

MAIN FLOOR PLAN - ENHANCED ACCESSIBILITY

AB Accessory Dwelling Unit 01

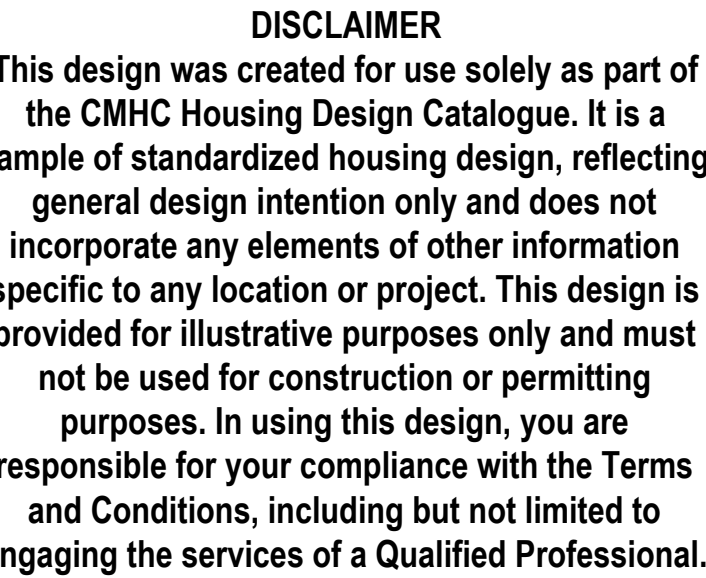
PROJECT NO: 241058

SCALE: 1 : 50

SHEET NO:

A102

1. ALL ROOFING TYPES TO COMPLY WITH REQUIRED MINIMUM SLOPES AS PER ABC(AE) 9.26.3 AND MANUFACTURER REQUIREMENTS FOR SPECIFIED ROOFING TYPES
2. ALL ROOFS, GUTTERS AND TROUGHS HAVE POSITIVE SLOPE TO DRAIN.
3. ROOF VENTING TO COMPLY WITH 9.19.1.2

[illegible]

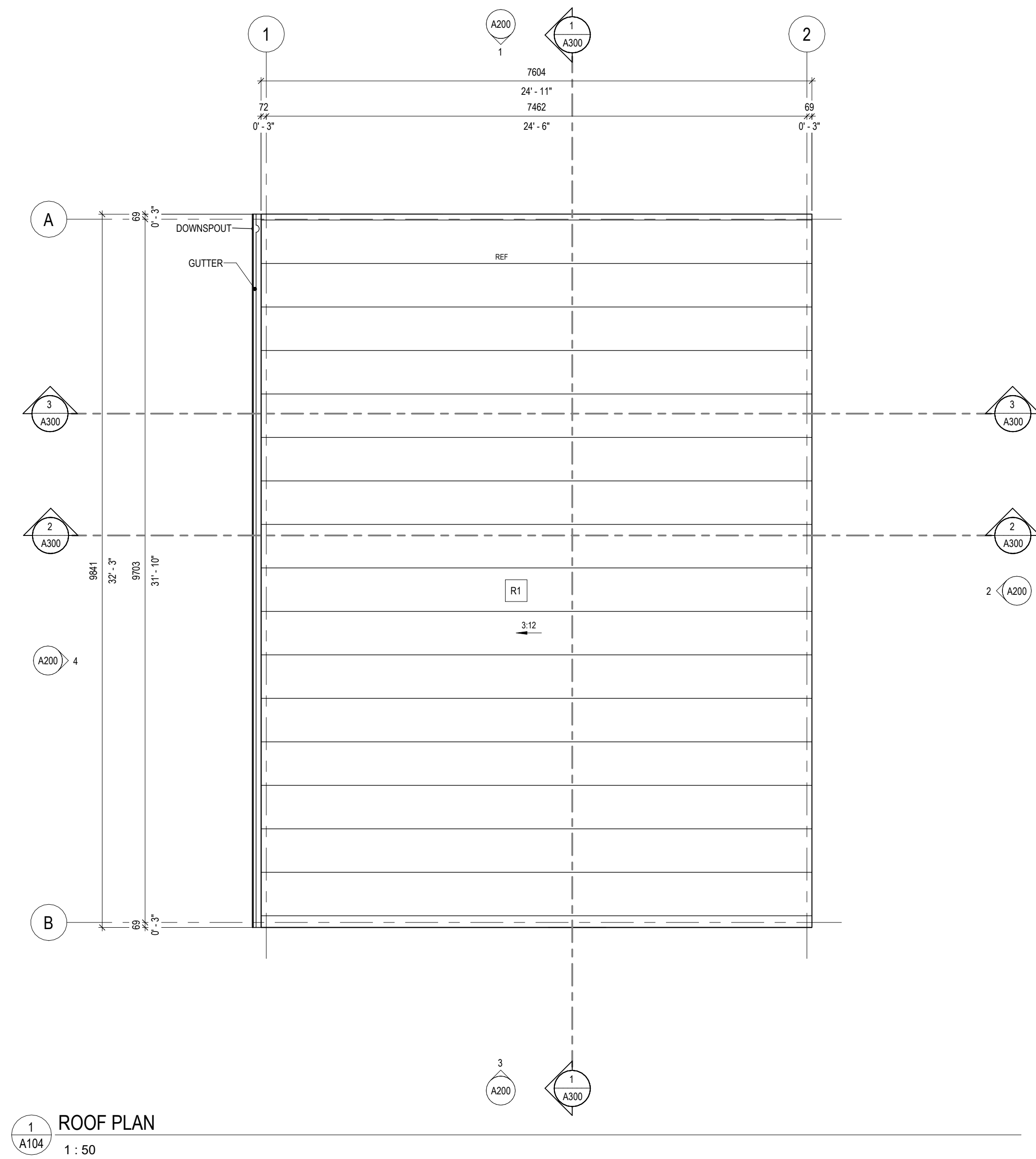
NO.	DATE	DESCRIPTION
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ALBERTA, CANADA

AB Accessory Dwelling Unit 01

SHEET NO.

A104



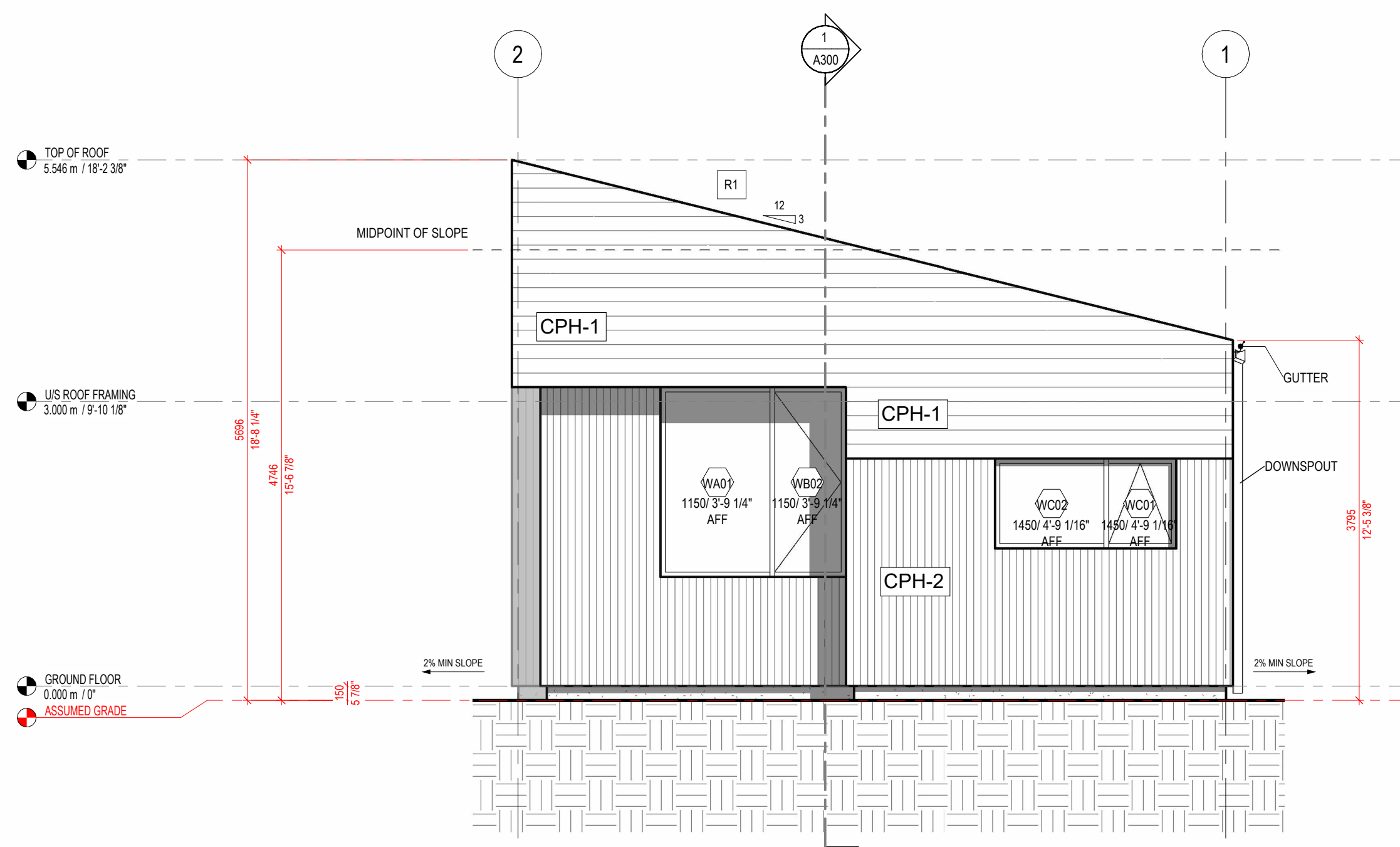
ELEVATION MATERIAL SCHEDULE	
TAG	MATERIAL
CPH-1	CLADDING PLACEHOLDER, TYPE 1
CPH-2	CLADDING PLACEHOLDER, TYPE 2

NOTE: CLADDING FINISHES WITHIN 200MM OF GRADE ARE TO BE MOISTURE RESISTANT



DISCLAIMER

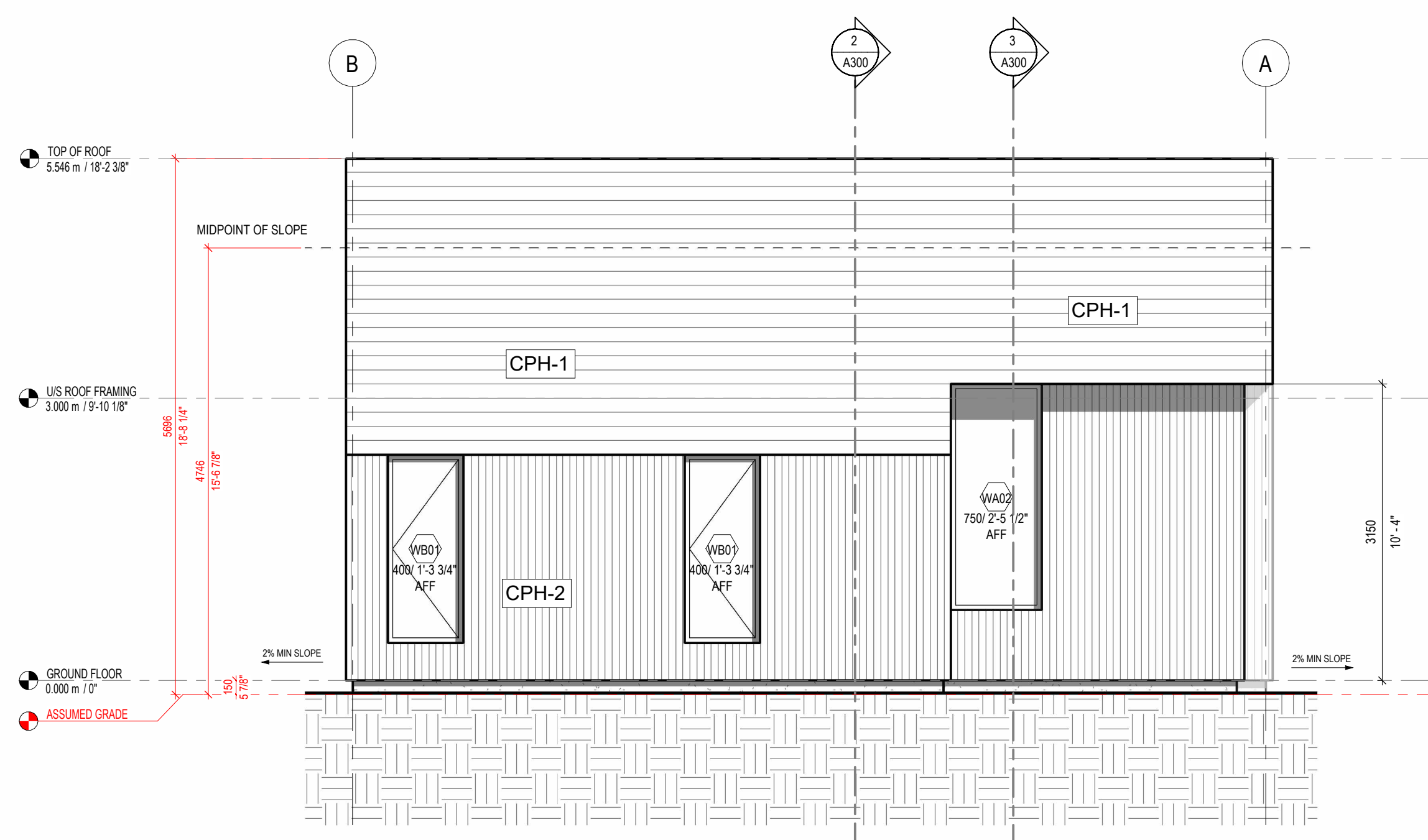
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1
A200

BUILDING ELEVATION - REAR

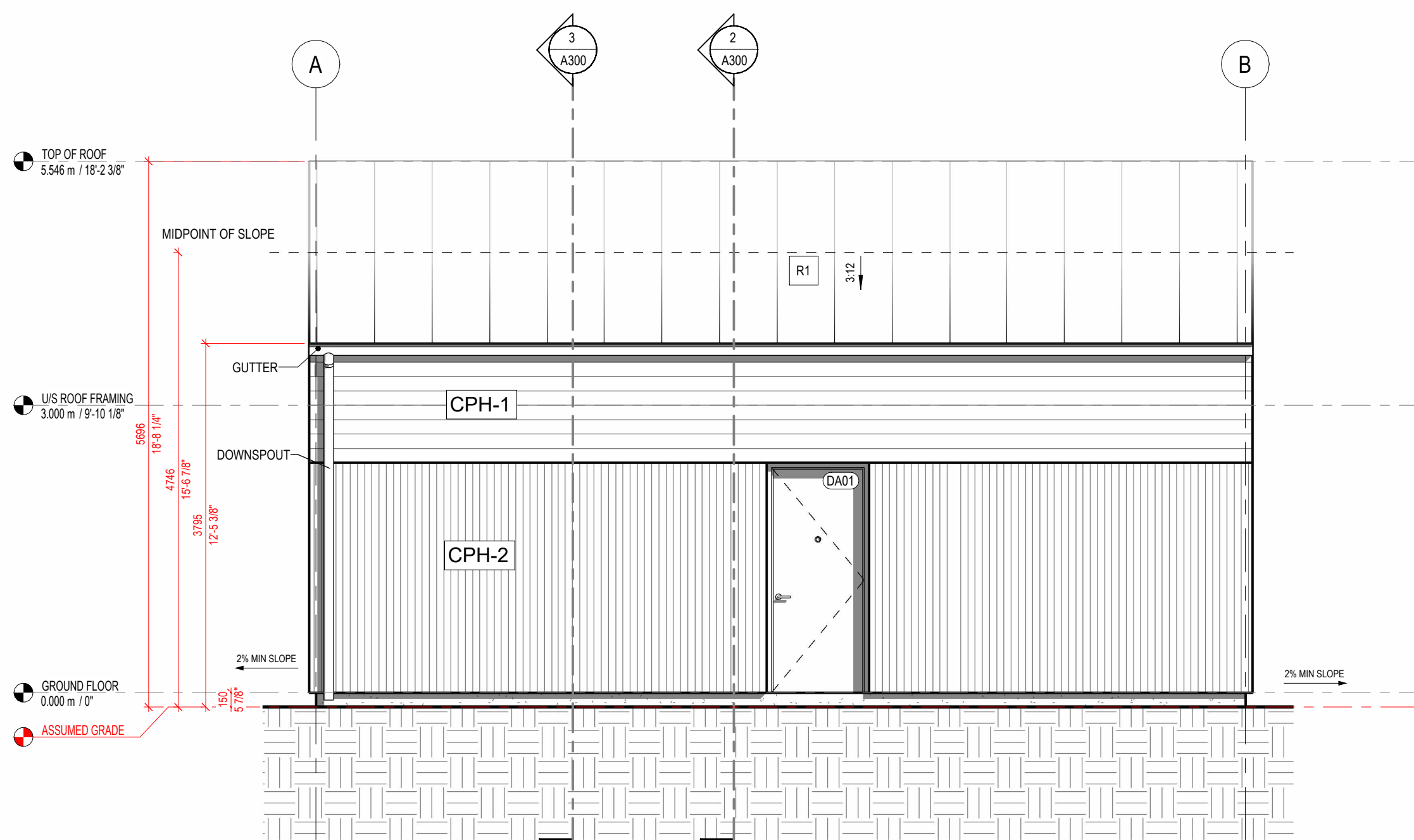
1 : 50



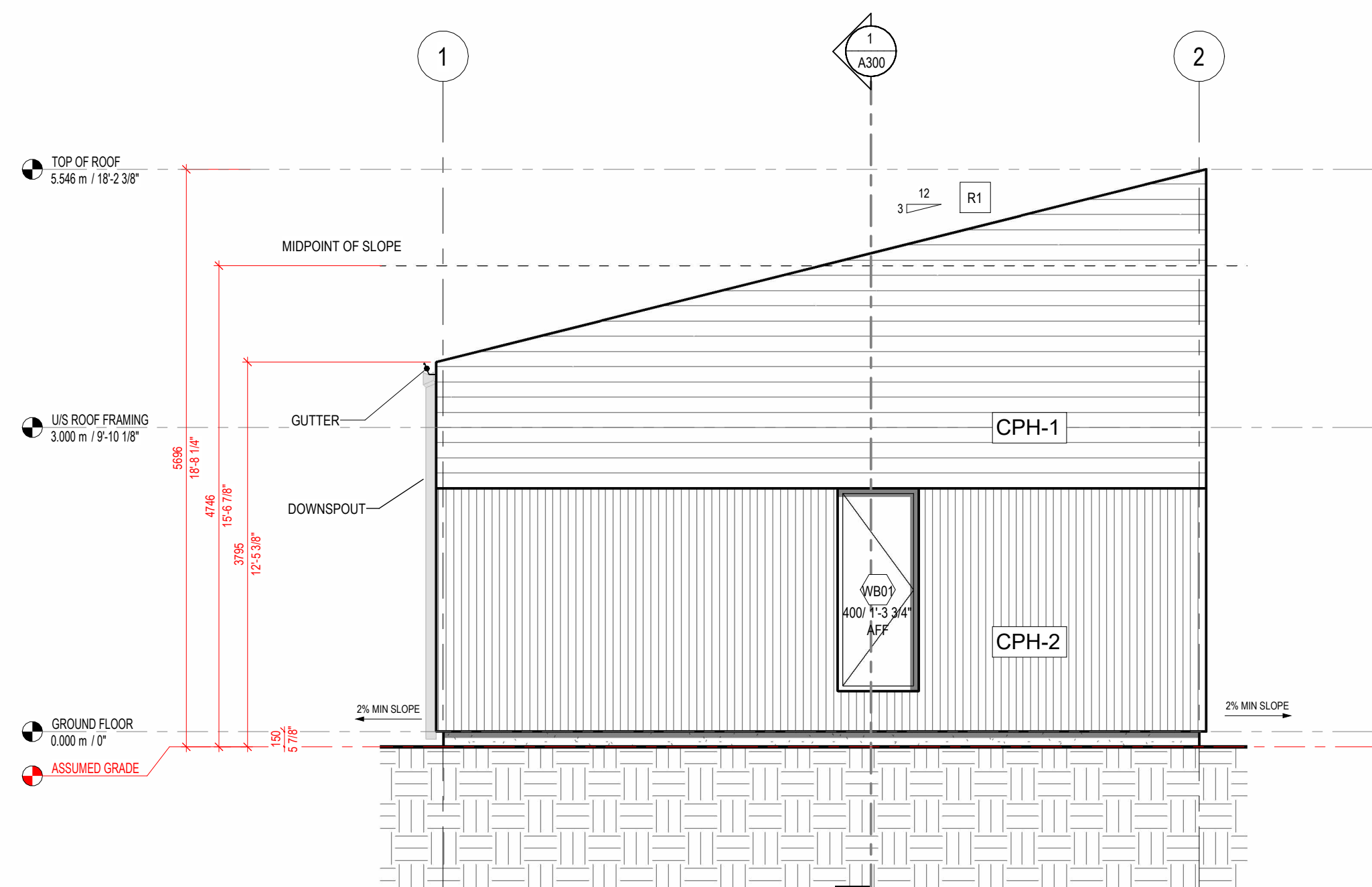
2
A200

BUILDING ELEVATION - SIDE 2

1 : 50



4 BUILDING ELEVATION - SIDE 1
A200 1 : 50



3
A200

BUILDING ELEVATION - FRONT

1 : 50

1	2025-02-21	Issued as Preliminary Drawing

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING CATALOGUE

ALBERTA, CANADA

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SHEET TITLE:

ELEVATIONS

AB Accessory Dwelling Unit 01

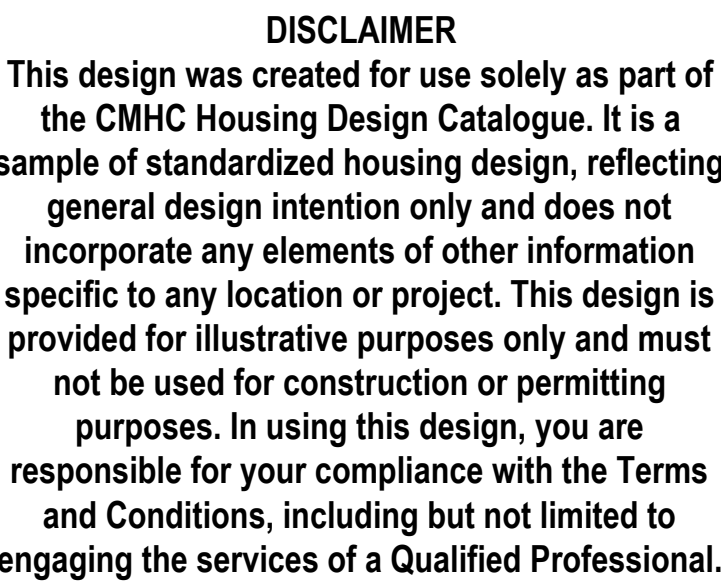
PROJECT NO: 241058

SCALE: 1 : 50

SHEET NO:

A200

01 FOUNDATIONS: ASSUMED, REFER TO STRUCTURAL DRAWINGS



1	2025-02-21	Issued as Prototypical Drawing

NO.	DATE	DESCRIPTION
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PROJECT:
CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

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SHEET TITLE:

SECTIONS

AB Accessory Dwelling Unit 01

PROJECT NO: 241058
SCALE: 1 : 50

SHEET NO:

A300

CMHC HOUSING DESIGN CATALOGUE

ACCESSORY DWELLING UNIT 01

STRUCTURAL DRAWINGS

STRUCTURAL DRAWING LIST	
DWG. No.	DRAWING NAME
S000	COVER SHEET
S101	TYPICAL NOTES
S102	TYPICAL DETAILS
S103	TYPICAL DETAILS
S104	TYPICAL DETAILS
S105	STRUCTURAL SPECIFICATIONS
S201	FOUNDATION PLAN
S301	FRAMING PLANS
S302	BUILDING SECTIONS
S401	TYPICAL FOUNDATION SECTIONS
S501	TYPICAL ROOF SECTIONS

STRUCTURAL ABBREVIATIONS	
A.B.	ANCHOR BOLT
ALT.	ALTERNATE
ANCH.S.	ANCHORS
APPROX.	APPROXIMATELY
ARCH.	ARCHITECTURAL
B.PL.	BASE PLATE
BLK.	BLOCK
BM.	BEAM
BOT.	BOTTOM
BT.PL.	BENT PLATE
C.W.	COMPLETE WITH
C.	CONTROL JOINT
CL.	CENTER LINE
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
DET.	DETAIL
DIA. OR Ø	DIAMETER
DM.	DIMENSION
DJ	DOUBLE JOIST
DO	DITTO
DP.	DEEP
DWG.	DRAWING
E.F.	EACH FACE
ELEC.	ELECTRICAL
E.S.	EACH SIDE
E.W.	EACH WAY
EA	EACH
ELEV.	ELEVATION
EQ.	EQUAL
EXST.	EXISTING
F.F.	FINISHED FLOOR
FDN.	FOUNDATION
ft.	FOOT
FT.G.	FOOTING
Ga.	GAUGE
GB.	GRADE BEAM
GALV.	GALVANIZED
GRD.	GRADE
HORZ.	HORIZONTAL
H.D.	HEAVY DUTY
H.D.G.	HOT DIPPED GALVANIZED
H.P.	HIGH POINT
HT.	HEIGHT
in.	INCH
I.D.	INSIDE DIAMETER
kn.	KILONEWTON
KPa.	KILOPASCAL
	ANGLE
LG.	LONG
LP.	LOW POINT
LSL.	LAMINATED STRAND LUMBER
LVL.	LAMINATED VENEER LUMBER
MAX.	MAXIMUM
MCH.	MECHANICAL
MD.	MIDDLE
MIN.	MINIMUM
MISC.	MISCELLANEOUS
m	METRE
mm	MILLIMETRE
Mpa	MEGAPASCAL
N.T.S.	NOT TO SCALE
No.	NUMBER
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
PL.	PLATE
psf.	POUNDS PER SQUARE FOOT
psi.	POUNDS PER SQUARE INCH
PSL.	PARALLEL STRAND LUMBER
R.C.	REINFORCED CONCRETE
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
REF.	REFERENCE
REINF.	REINFORCED
REQD.	REQUIRED
RTU.	ROOF TOP UNIT
SECT.	SECTION
S.O.G.	SLAB ON GRADE
S.S.	STAINLESS STEEL
STL.	STEEL
STRUCT.	STRUCTURAL
T.B.B.	TOP AND BOTTOM
T.O.	TOP OF
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
US.	UNDERSIDE
VERT.	VERTICAL
W.	CONNECTION WITH
W.P.	WORKING POINT
W.W.M.	WELDED WIRE MESH
Ø	SPACED AT



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[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:
CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

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SHEET TITLE:

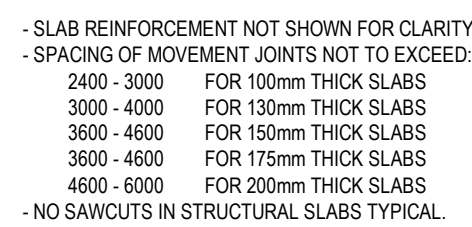
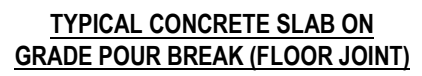
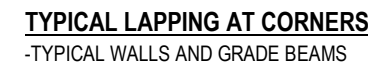
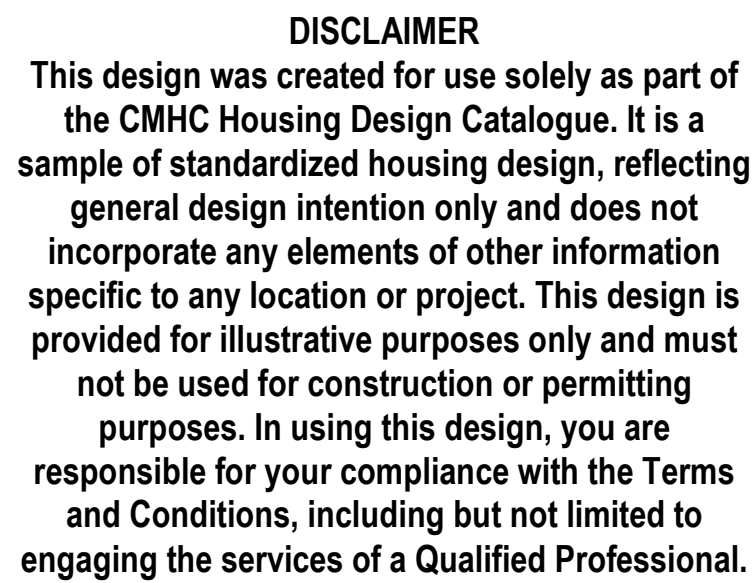
COVER SHEET

AB Accessory Dwelling Unit 01

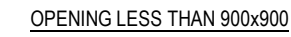
PROJECT NO: 02500462
SCALE: 1 : 20

SHEET NO:

S000



- OPENING LESS THAN 1200x1200



- [illegible]

PROJECT:

ALBERTA, CANADA

SHEET TITLE:

AB Accessory Dwelling Unit 01

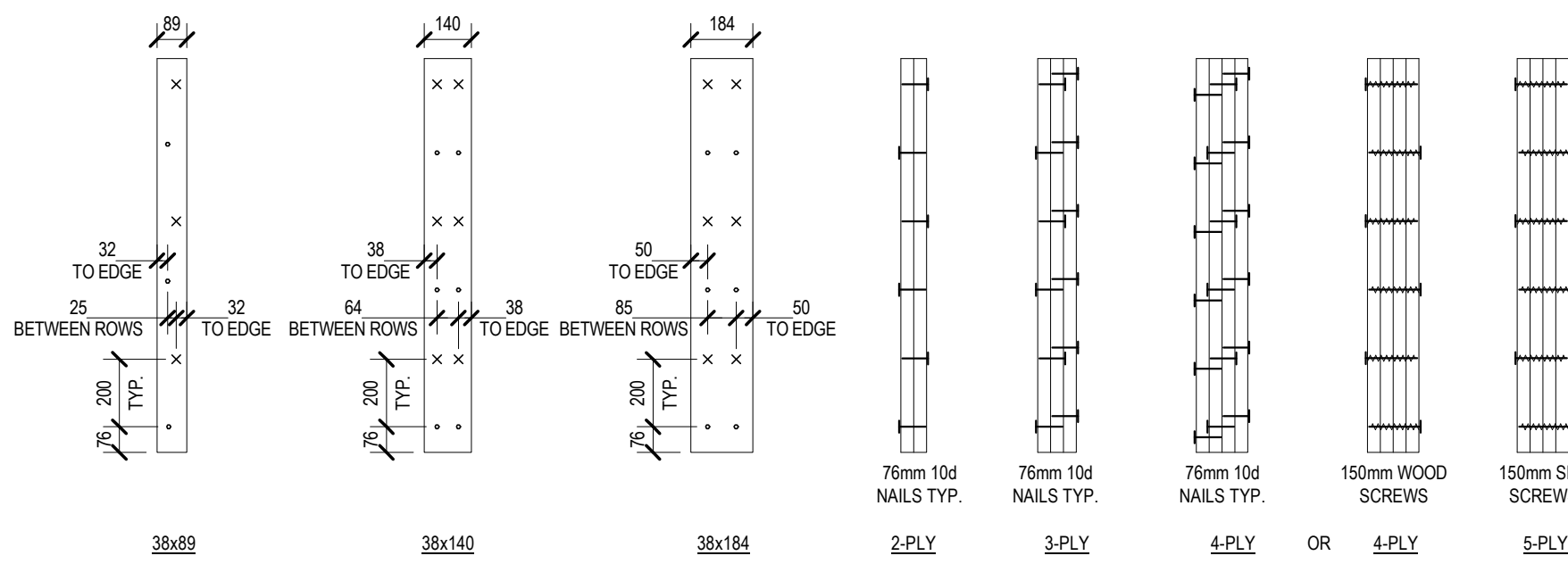
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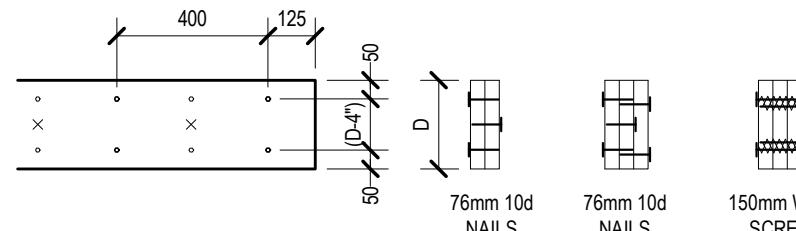
S102

DISCLAIMER

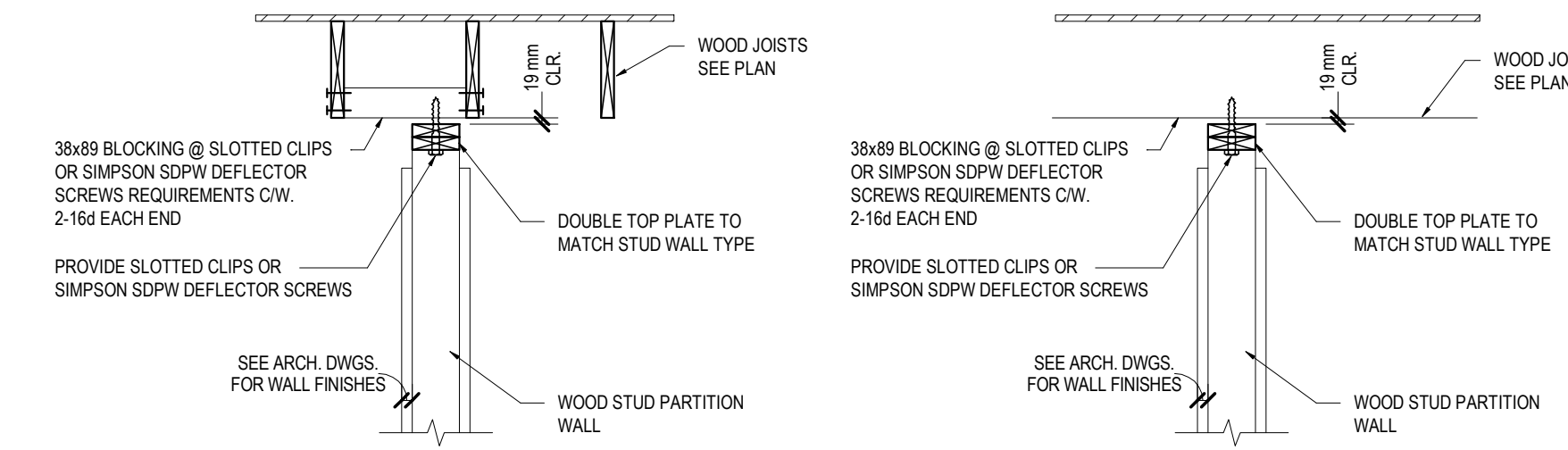
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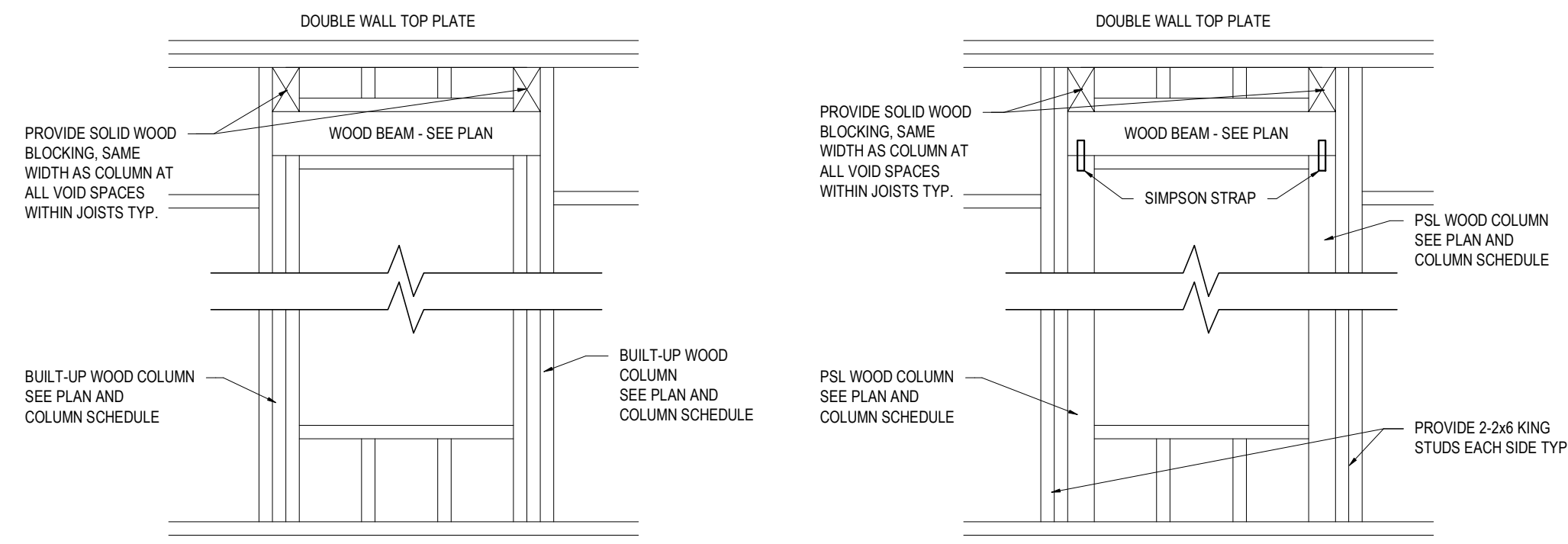
BUILT-UP COLUMN NAILING PATTERN
1. BUILT-UP STRUCTURAL COMPOSITE LUMBER (LVL, LSL) COLUMNS TO BE FASTENED AS PER MANUFACTURER'S REQUIREMENTS



BUILT-UP BEAM NAILING PATTERN
1. BUILT-UP STRUCTURAL COMPOSITE LUMBER (LVL, LSL) COLUMNS TO BE FASTENED AS PER MANUFACTURER'S REQUIREMENTS



WOOD STUD PARTITION WALL DETAIL

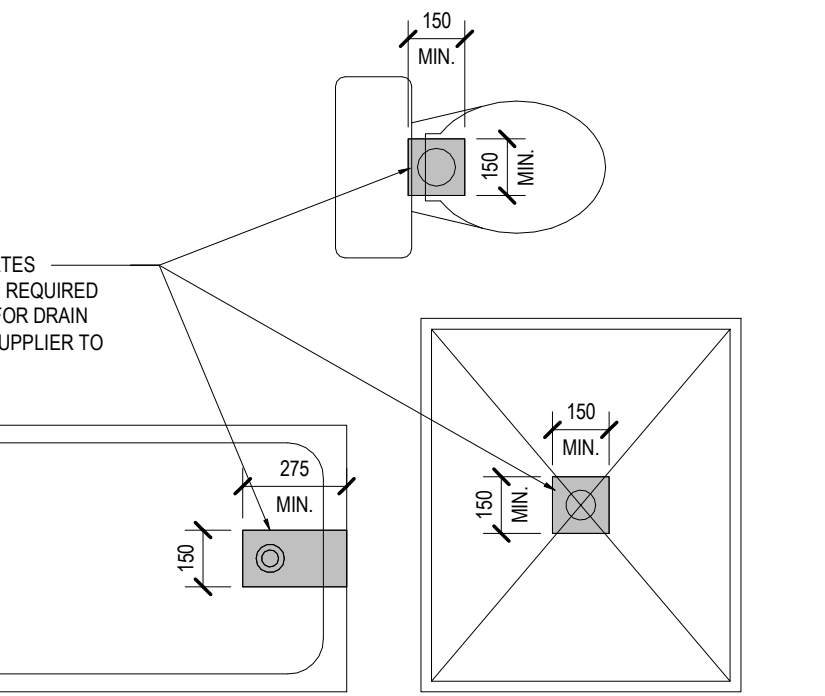


TYPICAL OPENING AT EXTERIOR WINDOW OR PATIO AT MAIN FLOOR (BUILT-UP COLUMN)

- 2 CRIPPLES COORDINATE SIZE AND LOCATION(S) OF OPENING WITH ARCHITECTURAL DRAWINGS TYPICAL

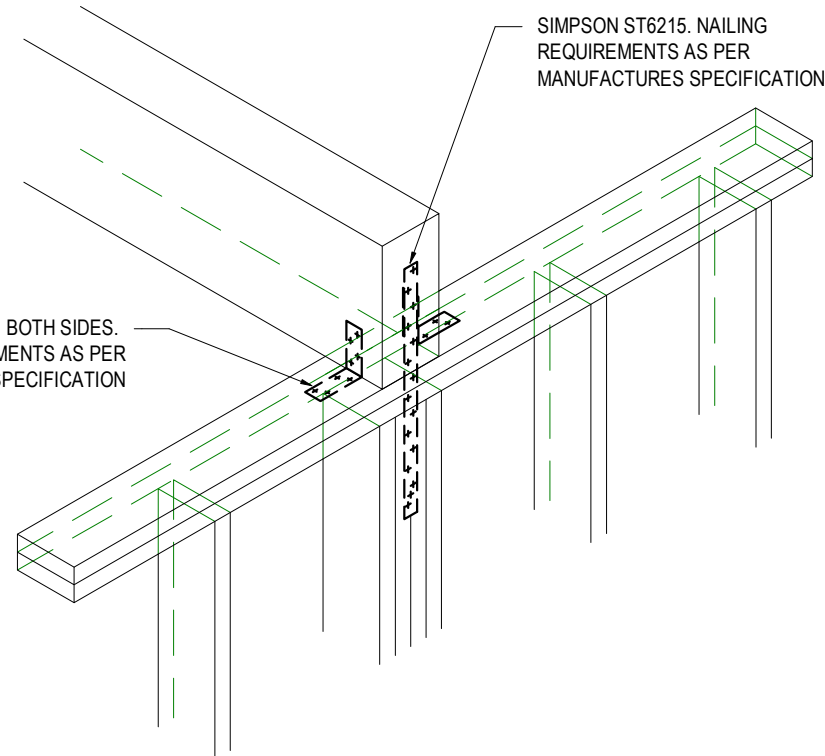
TYPICAL OPENING AT EXTERIOR WINDOW OR PATIO AT MAIN FLOOR (PSL COLUMN)

- COORDINATE SIZE AND LOCATION(S) OF OPENING WITH ARCHITECTURAL DRAWINGS TYPICAL

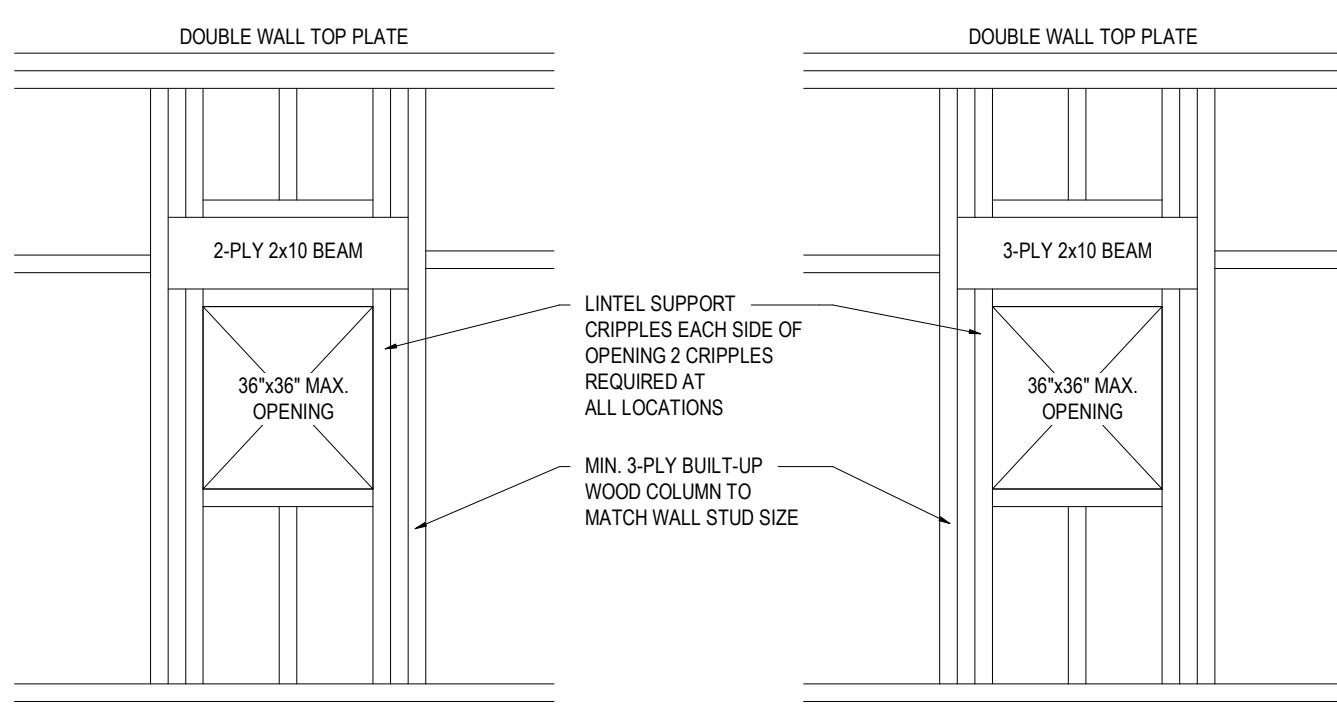


FRAMING REQUIREMENTS UNDER TUBS AND SHOWERS

(SEE ARCHITECTURAL DRAWINGS FOR TUB AND SHOWER LOCATIONS)



TYPICAL WOOD BEAM TO WOOD COLUMN WITHIN STUD WALL CONNECTION (WALL PERPENDICULAR TO BEAM)

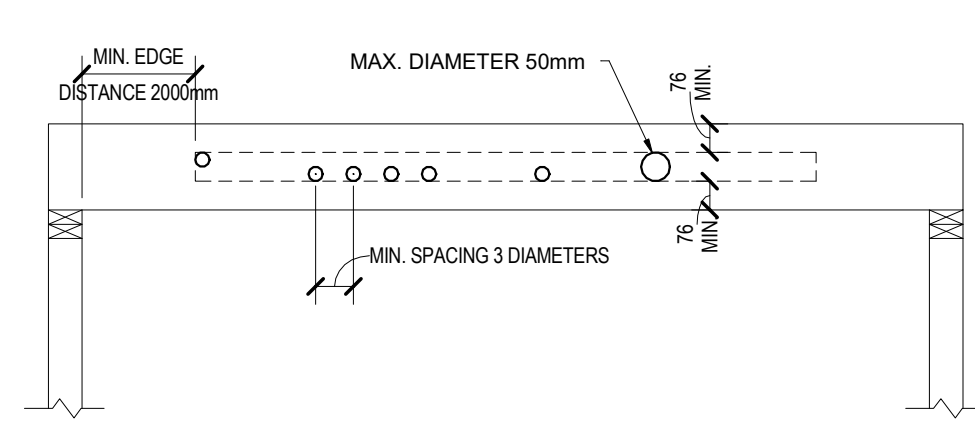


MECHANICAL DUCT OPENINGS IN 2x4 WALLS

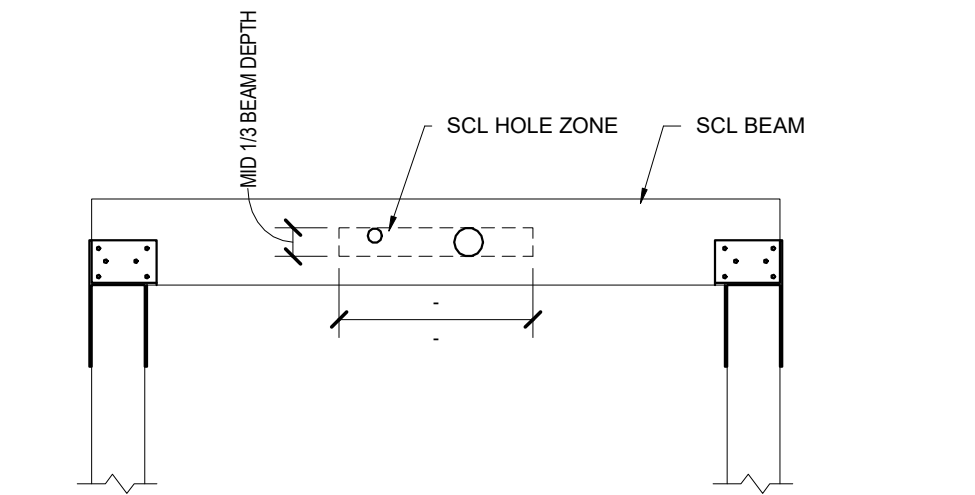
MECHANICAL DUCT OPENINGS IN 2x6 WALLS

TYPICAL STUD WALL OPENING AT MECHANICAL DUCTS

- COORDINATE SIZE AND LOCATION(S) OF OPENING WITH MECHANICAL DRAWINGS TYPICAL

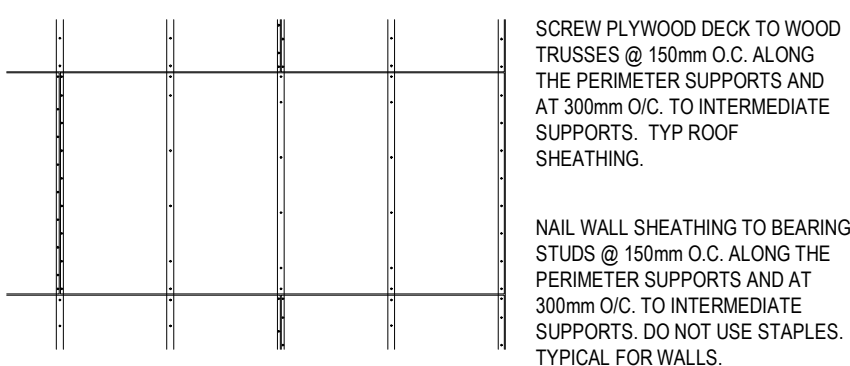


ALLOWABLE HOLES IN DIMENSIONAL LUMBER JOISTS

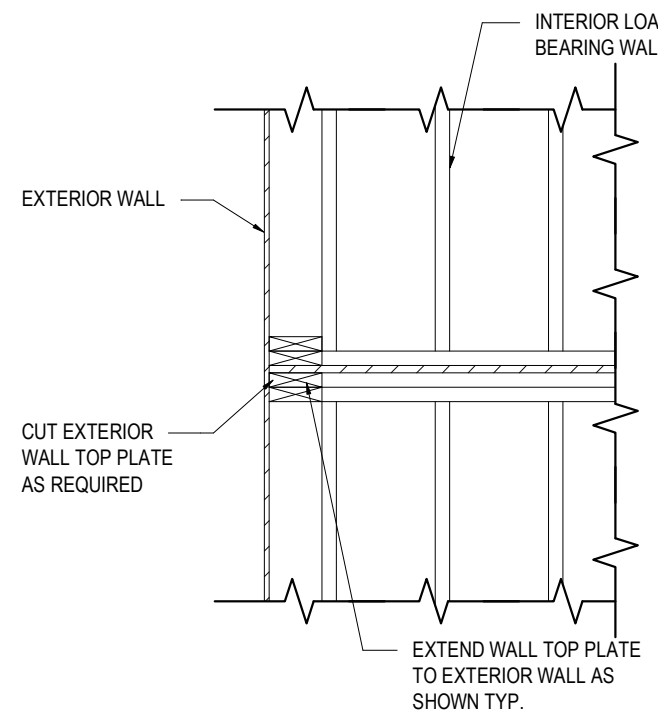


- NOTES:**
- ALLOWED HOLE ZONE SUITABLE FOR LVL BEAM WITH UNIFORM LOAD ONLY
 - ROUND HOLES ONLY
 - NO HOLES IN CANTILEVER
 - NO HOLES IN LVL BEAM IN PLANK ORIENTATION
 - MAXIMUM ROUND HOLE SIZE: 50mm DIA.

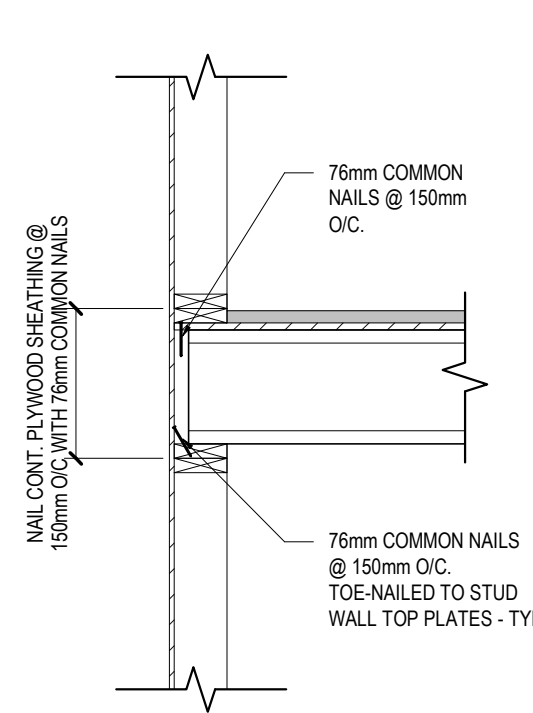
STRUCTURAL COMPOSITE ALLOWABLE FIELD LUMBER (SCL) MODIFICATION



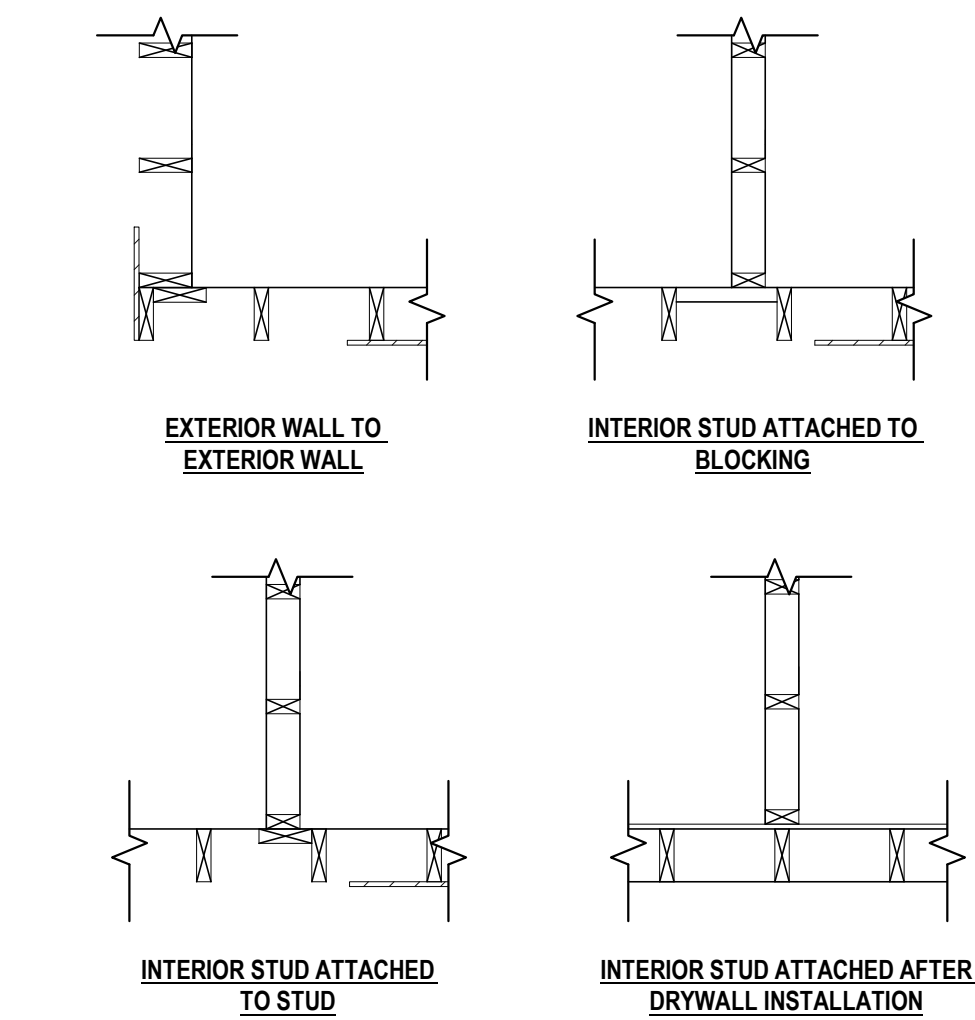
PLYWOOD SHEATHING NAILING REQUIREMENTS



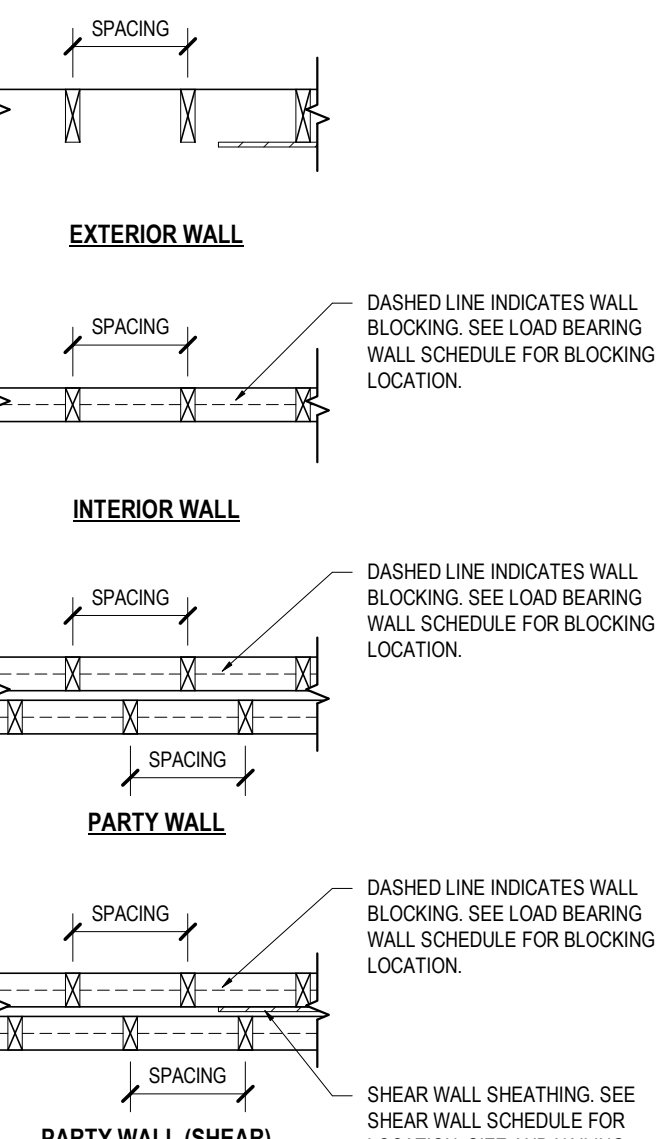
INTERIOR LOAD BEARING WALL TO EXTERIOR WALL DETAIL



NAILING REQUIREMENTS FOR WOOD I-JOISTS AT EXTERIOR WALLS

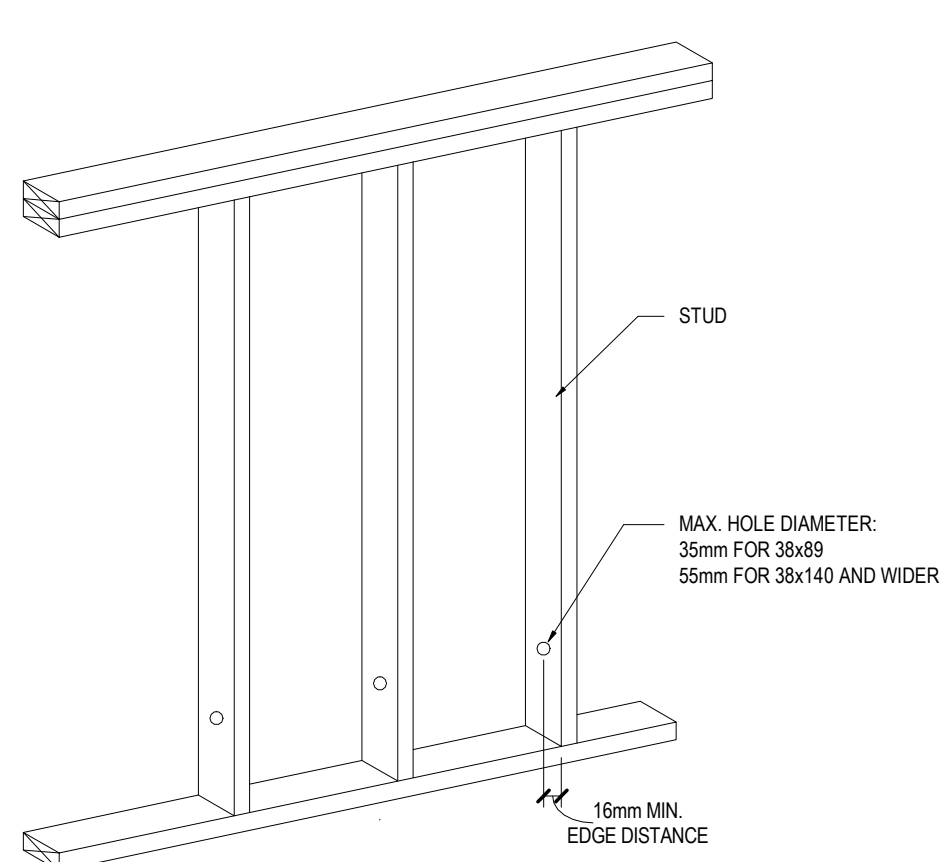


WALL TO WALL CONNECTION DETAILS

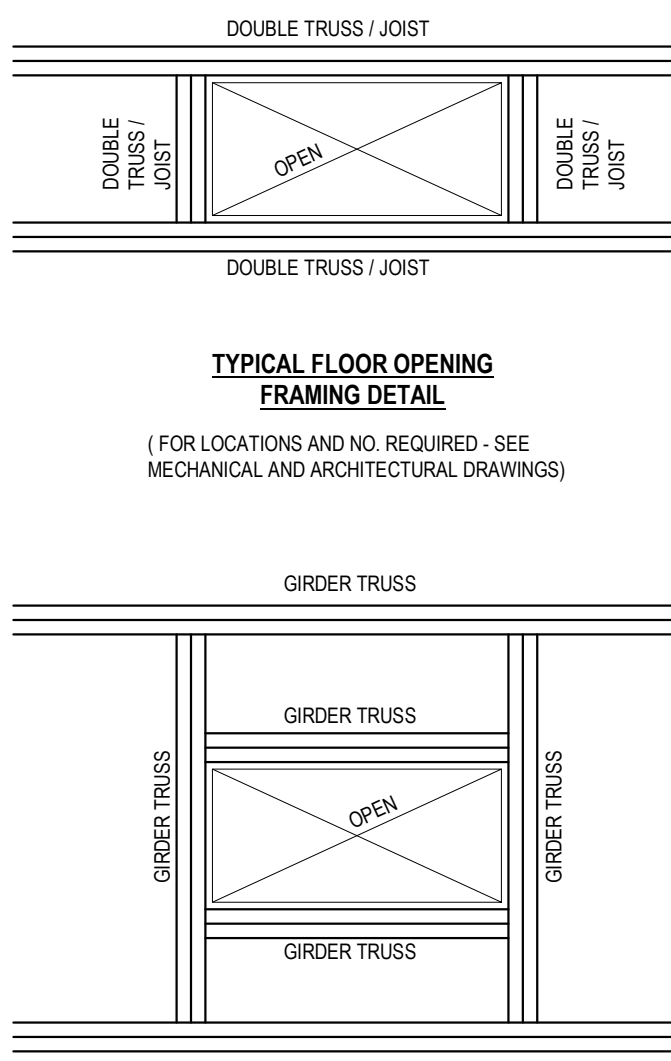


LOAD-BEARING WALL CONSTRUCTION DETAILS

- SEE FRAMING NAILING SCHEDULE AND / OR SHEAR WALL SCHEDULE FOR NAILING REQUIREMENTS



DRILLING DETAIL FOR WALL STUDS



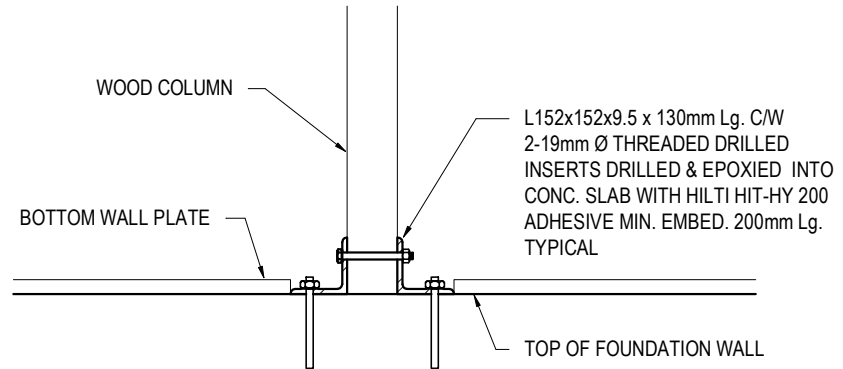
TYPICAL FLOOR OPENING FRAMING DETAIL

(FOR LOCATIONS AND NO. REQUIRED - SEE MECHANICAL AND ARCHITECTURAL DRAWINGS)

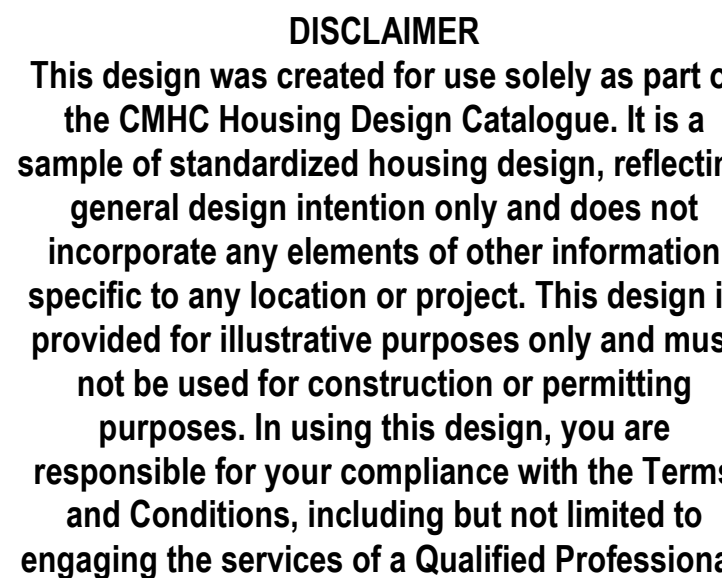
TYPICAL ROOF OPENING FRAMING DETAIL

(FOR LOCATIONS AND NO. REQUIRED - SEE MECHANICAL AND ARCHITECTURAL DRAWINGS)

TYPICAL WALL TOP PLATE SPLICE CONNECTION



WOOD COLUMN TO FOUNDATION WALL CONNECTION (EXCEPT BUILT-UP COLUMNS)



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FOUNDATION PLAN NOTES (PILES)

- WIN ON PLAN AS THUS:
- IS:
- $P_t = -kN$
 $P_b = -kN$
(T/O PILE ELEV.)
-  T/O SLAB
XXX

- IMPORTANT NOTE:**
CONTROL JOINTS ARE NOT TO BE PLACED IN STRUCTURAL SLABS.

SUBGRADE / SUB-BASE PREPARATION FOR GRADE SUPPORTED FLOOR SLABS

1. THE CONTRACTOR SHALL REVIEW AND FOLLOW THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT FOR PREPARATION / PROTECTION OF SUBGRADE / SUB-BASE. PREPARATION OF THE SUB-GRADE / SUB-BASE AND NEW FILL REQUIREMENTS SHALL BE REVIEWED AND APPROVED BY A GEOTECHNICAL ENGINEER WITHIN 24 HOURS PRIOR TO POURING CONCRETE.
2. REMOVE ALL ORGANIC TOPSOIL, FILL AND OTHER DELETERIOUS MATERIAL FROM THE BUILDING SLAB AREA. DEPTHS OF TOP SOIL AND FILL MAY VARY THROUGHOUT THE SITE. GEOTECHNICAL ENGINEER TO REVIEW AND ADVISE.
3. FOLLOWING THE SUBCUTTING OF THE ORGANIC TOPSOIL AND FILL LAYERS, THE GRADE SHALL BE COMPACTED AND ANY SOFT SOILS BE IDENTIFIED AND LOOSE PROOFED PRIOR TO PLACEMENT OF THE NEW BACKFILL. GEOTECHNICAL ENGINEER TO ADVISE CONTRACTOR ACCORDINGLY.
4. NEW ENGINEERED FILL SHALL BE COMPACTED AS PER THE GEOTECHNICAL REPORT. FILL MATERIAL SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER.
5. PROVIDE 15 ml POLYETHYLENE VAPOUR BARRIER WITH TAPED JOINTS TO THE UNDERSIDE OF SLAB ON GRADE. LAP ALL JOINTS 200mm (8") MIN.
6. PROTECT SUBGRADE FROM WEATHER ELEMENTS BEFORE, DURING AND AFTER SLAB ON GRADE IS POURED. PROVIDE ADEQUATE PROTECTION TO MAINTAIN SUBGRADE TEMPERATURE ABOVE 5°C.
7. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

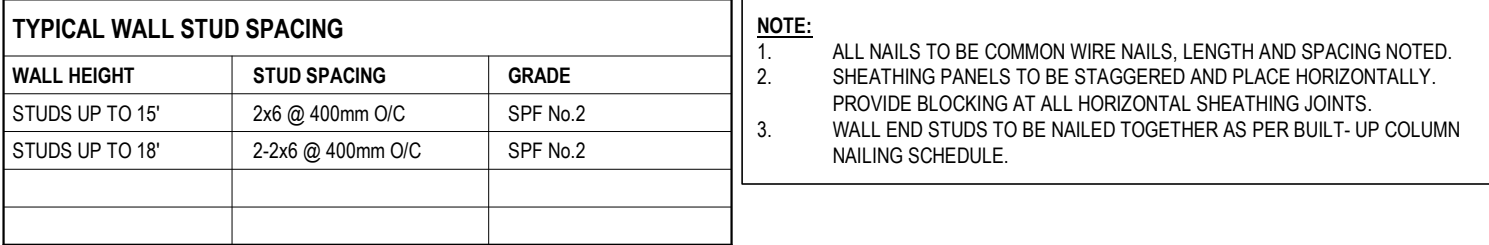
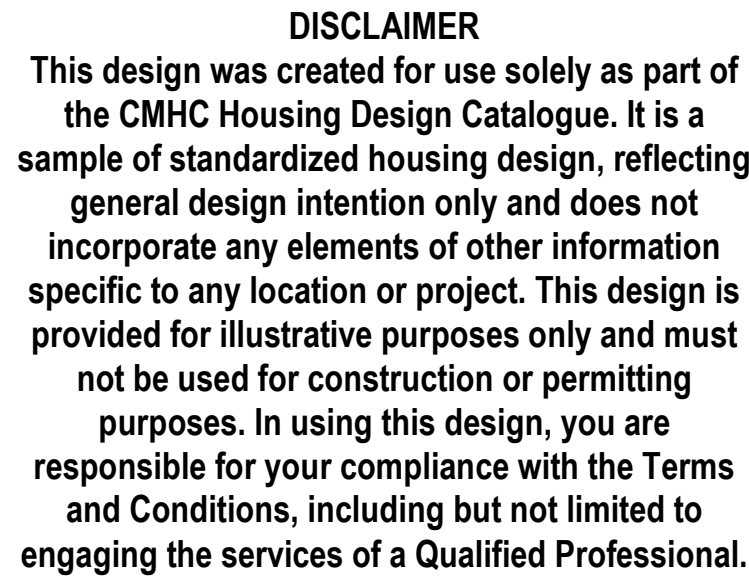
FOUNDATION PLAN

AB Accessory Dwelling Unit 01

PROJECT NO: 02500462
SCALE: As indicated

SHEET NO:

S201



1. ALL WALL TYPES ARE TYPICAL UNLESS NOTED OTHERWISE.
2. WALLS TYPES INDICATED REPRESENT BEARING WALLS BELOW.
3. WALL VERTICAL ALIGNMENT TO BE WITHIN 13mm OVER ENTIRE HEIGHT OF BUILDING TYPICAL ALL LOAD BEARING WALLS
4. ALL TOP & BOTTOM CONT. PLATES TO BE SPF No.2

1 : 50

ROOF PLAN NOTES:

- | COLUMN SCHEDULE 'C' | | |
|---------------------|-------|------------------------|
| TYPE | SIZE | REMARKS |
| 'C1' | 3-2x6 | SPF No.1/No.2 BUILT-UP |
| 'C2' | 4-2x6 | SPF No.1/No.2 BUILT-UP |
| 'C3' | 5-2x6 | SPF No.1/No.2 BUILT-UP |

[illegible]

NO.	DATE	DESCRIPTION
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ALBERTA, CANADA

SHEET TITLE:

FRAMING PLANS

PROJECT NO: 02500462
SCALE: As indicated

SHEET NO:

S301



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2	2025-02-19	ISSUED FOR PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

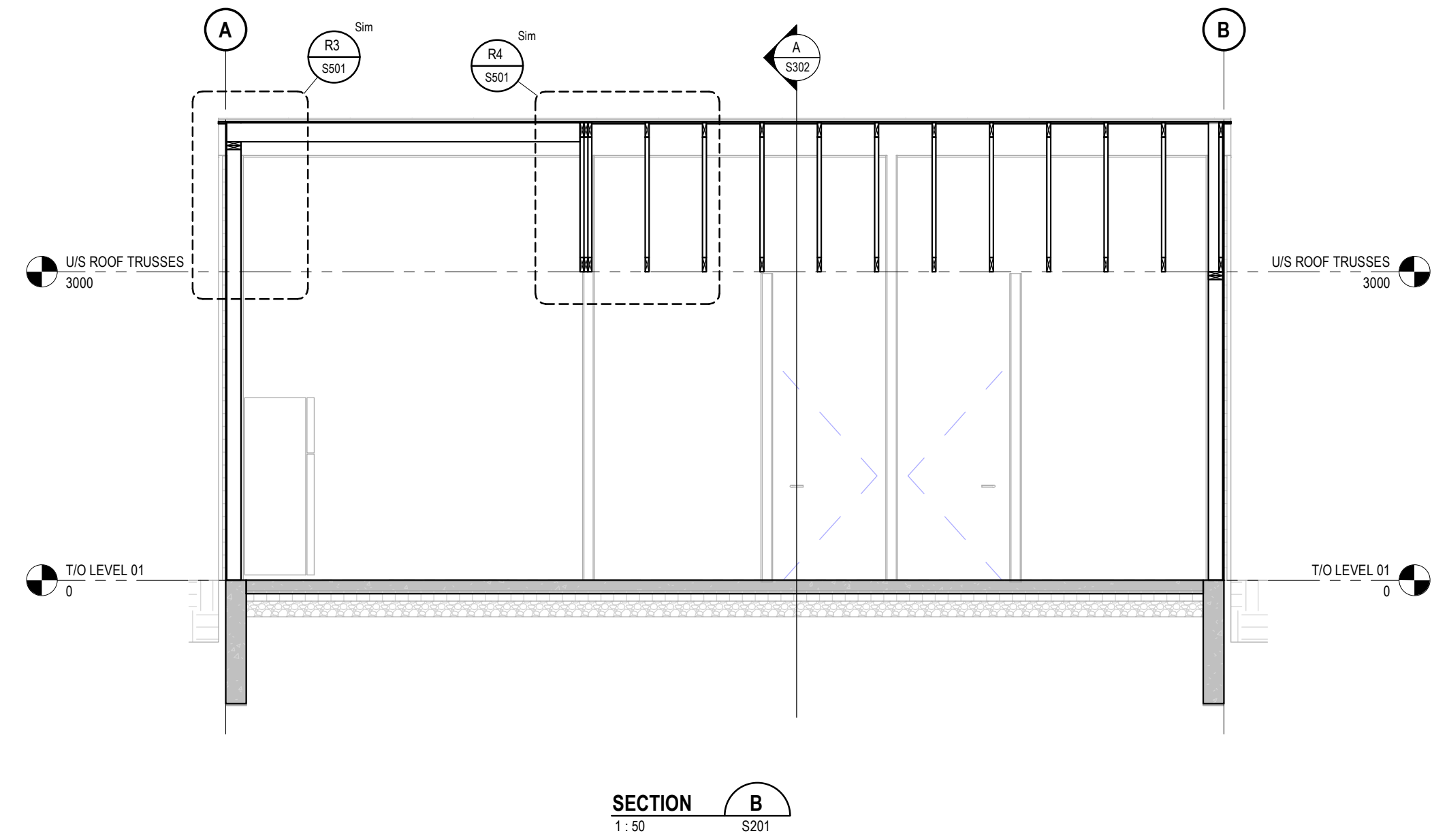
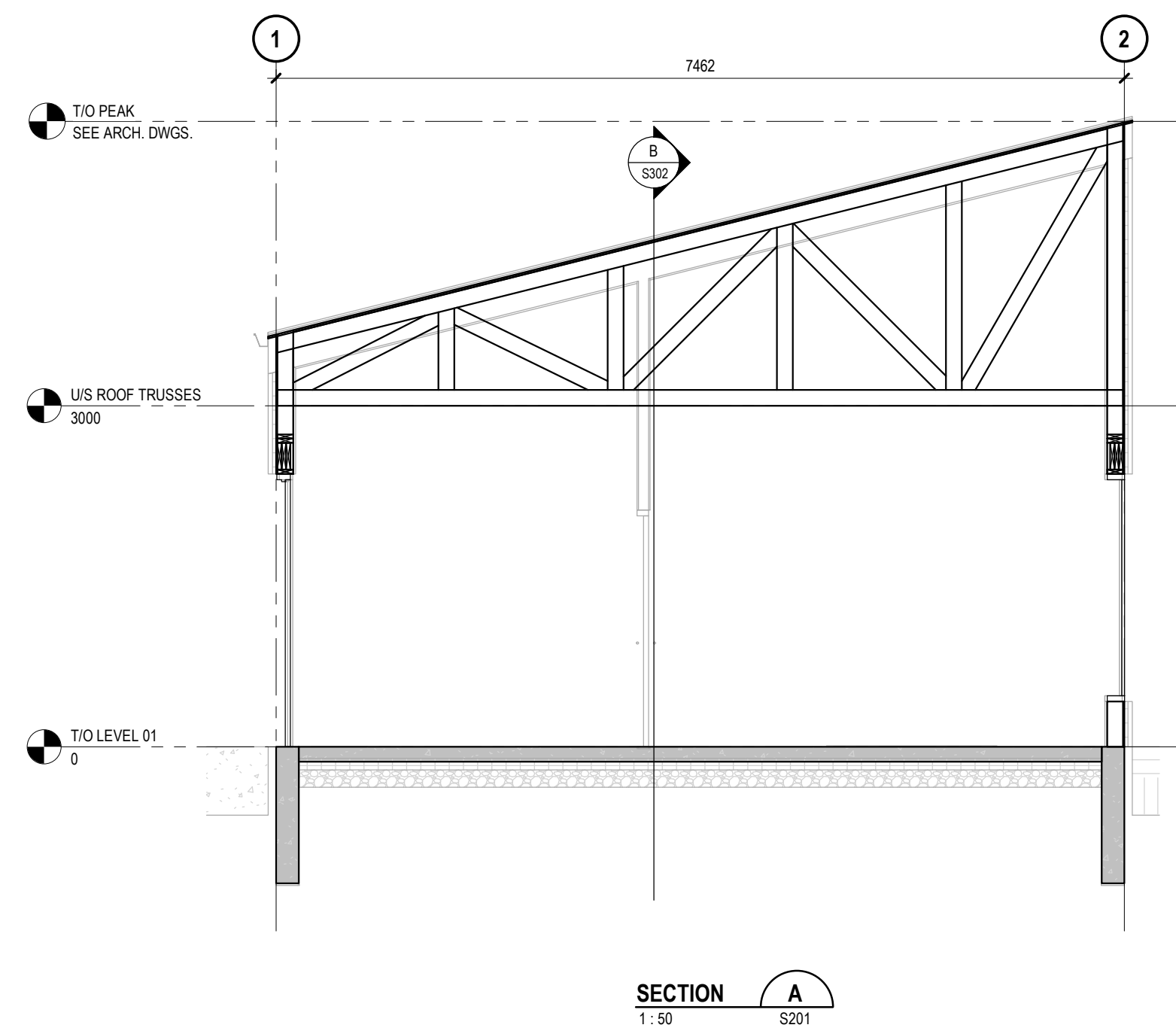
BUILDING SECTIONS

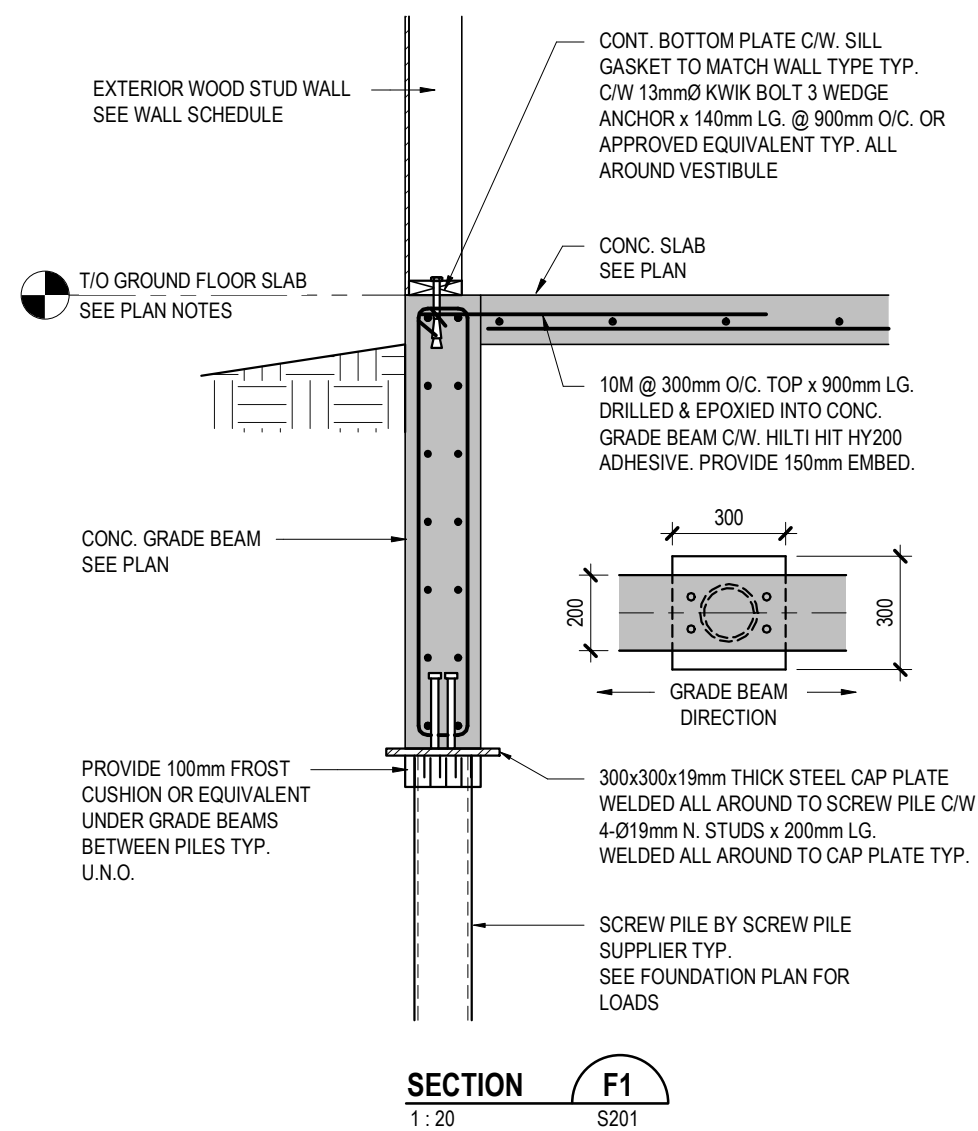
AB Accessory Dwelling Unit 01

PROJECT NO: 02500462
SCALE: 1 : 50

SHEET NO:

S302





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[illegible]

NO.	DATE	DESCRIPTION
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NOT FOR PERMIT
OR CONSTRUCTION

AB Accessory Dwelling Unit 01

SHEET NO:

S401



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2	2025-02-19	ISSUED FOR PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

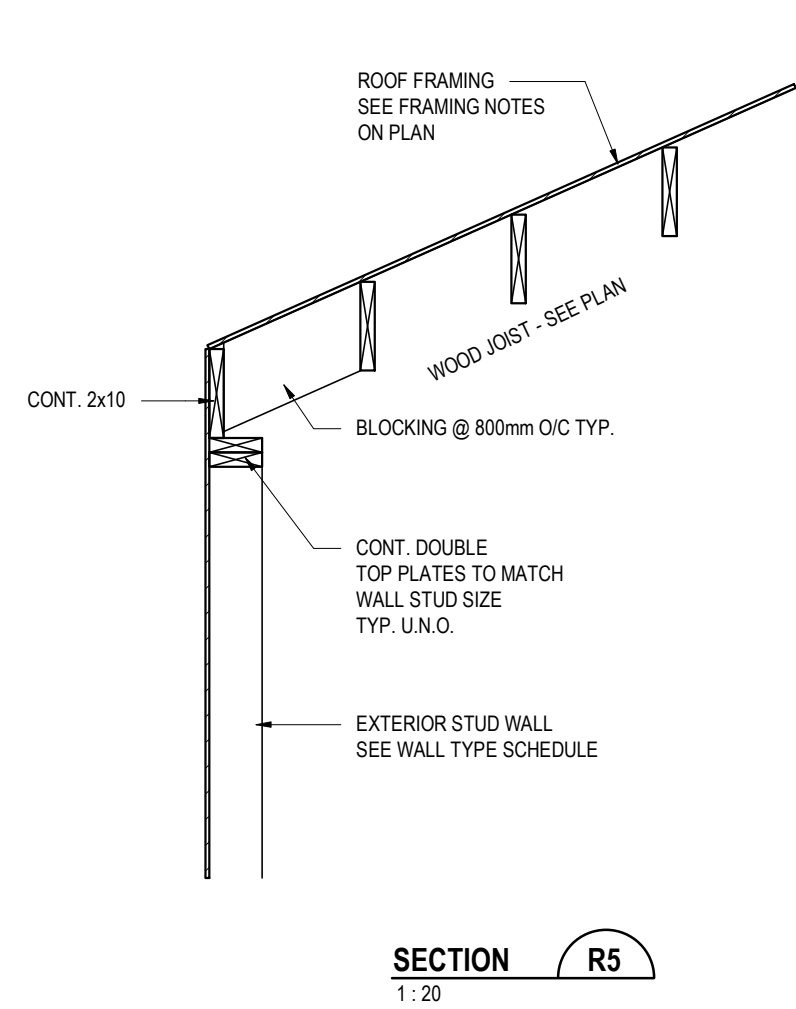
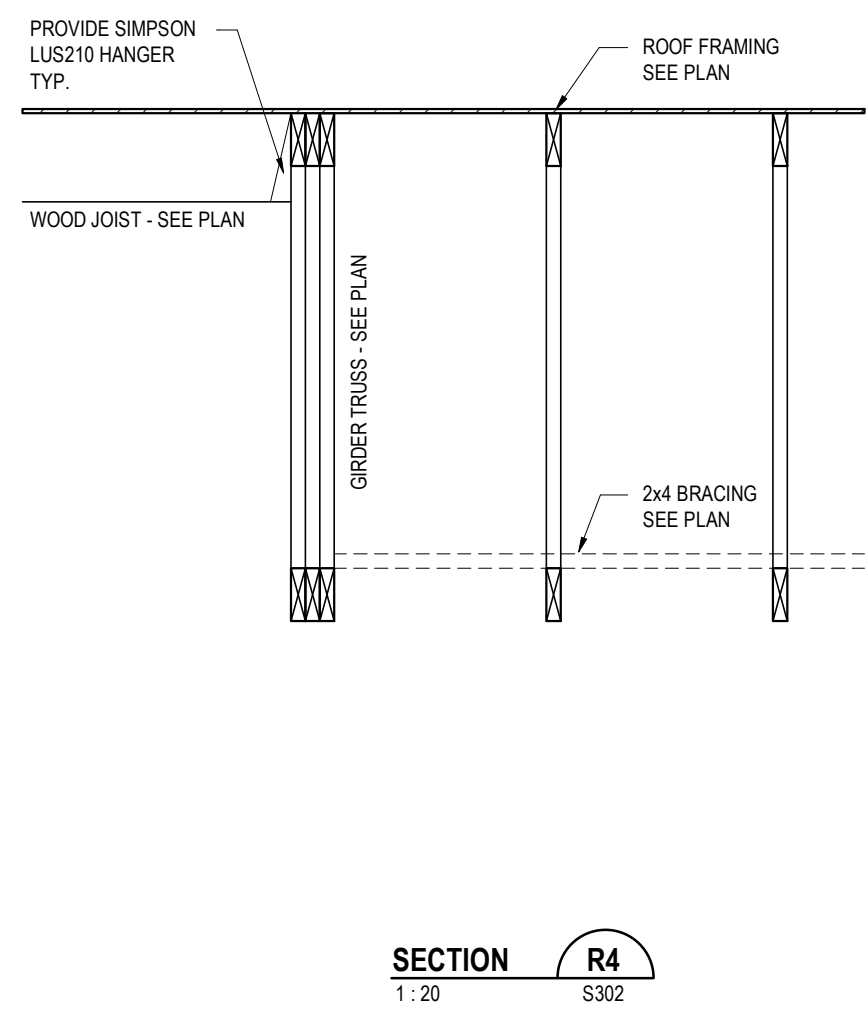
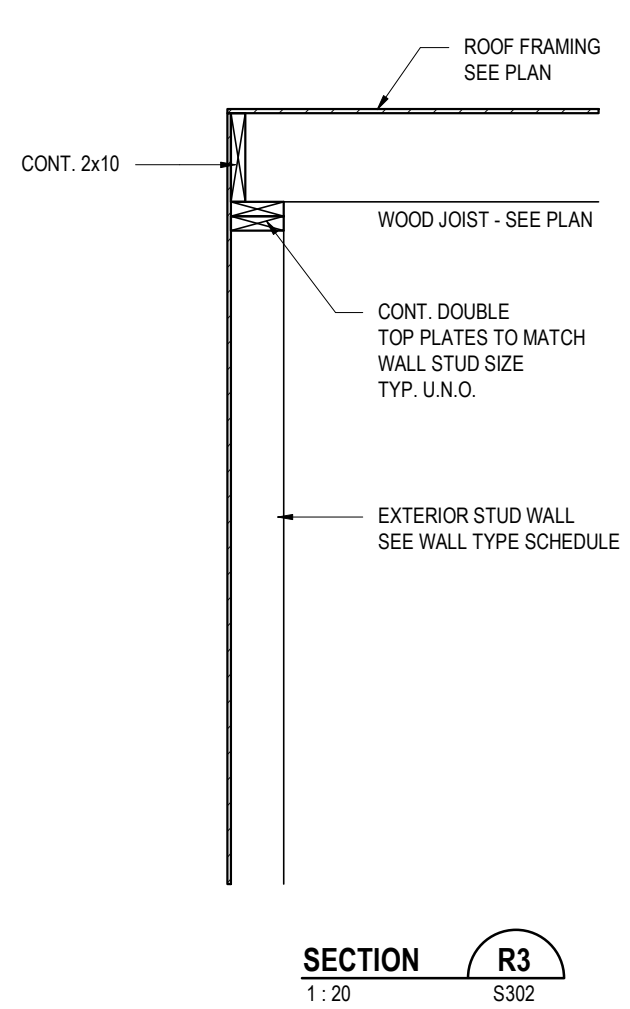
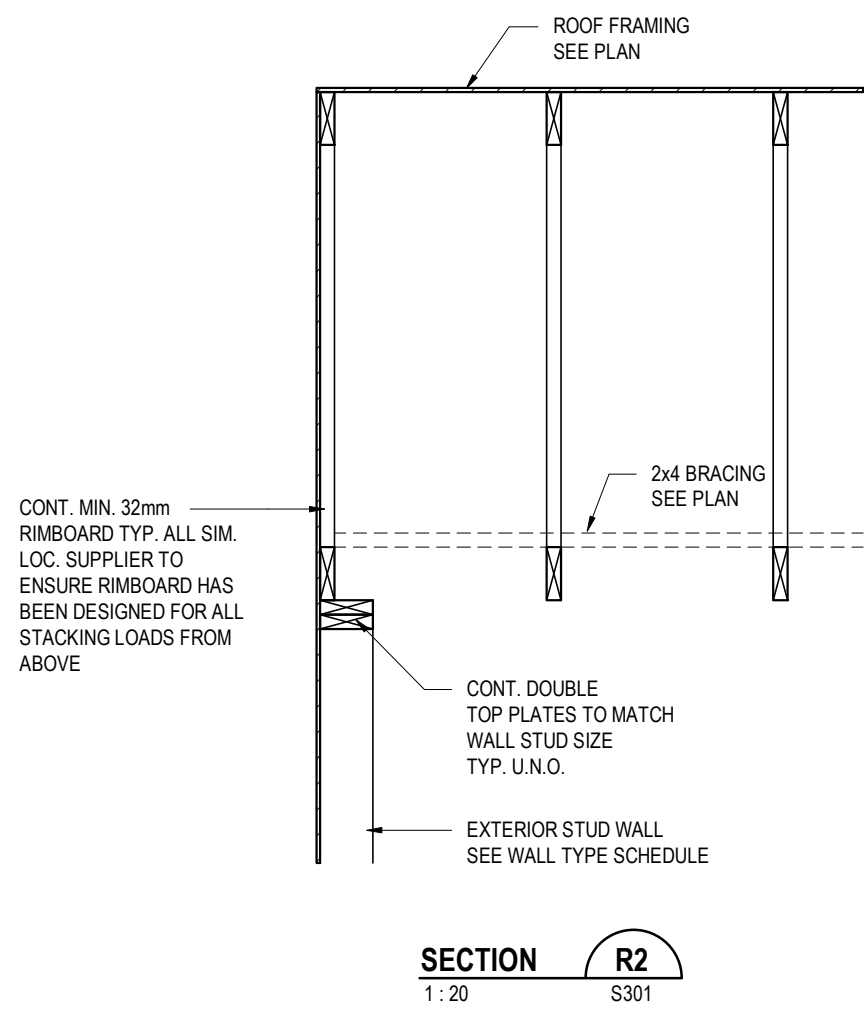
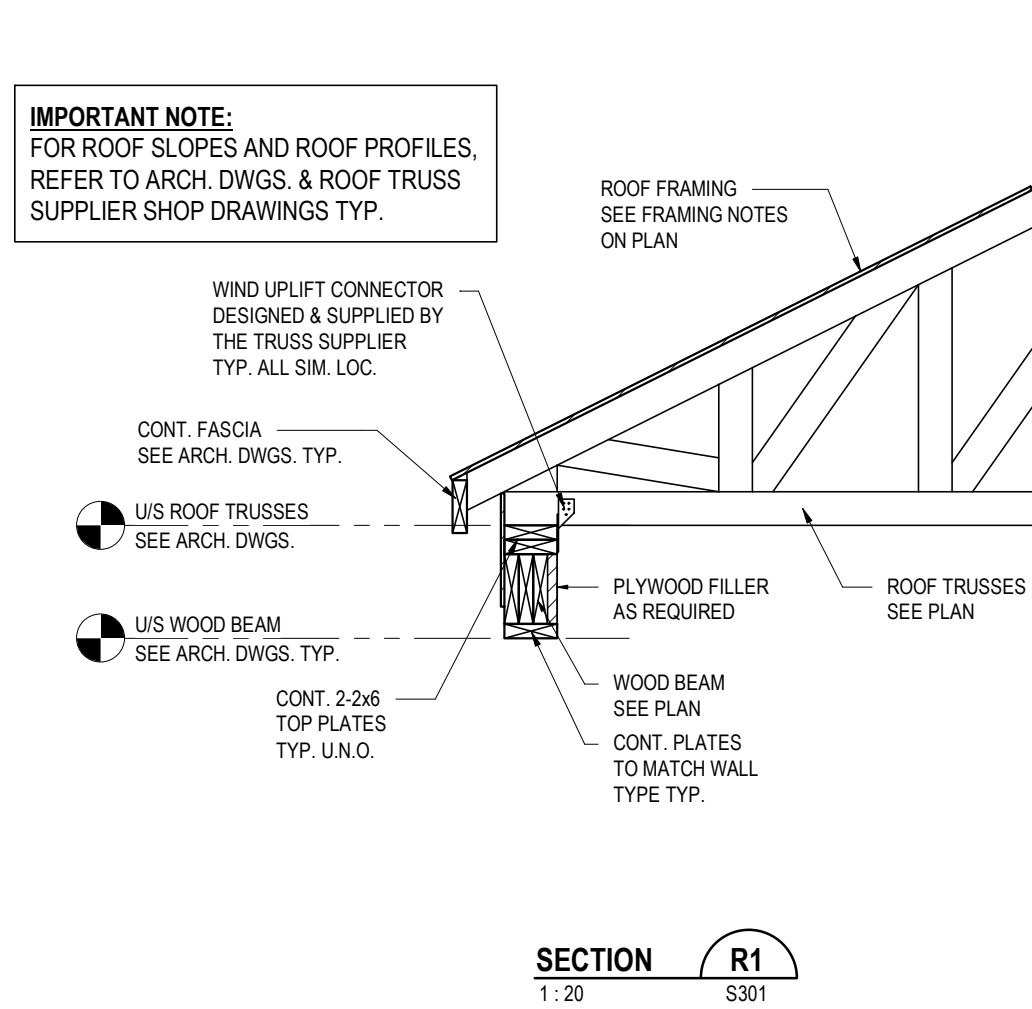
TYPICAL ROOF SECTIONS

AB Accessory Dwelling Unit 01

PROJECT NO: 02500462
SCALE: 1 : 20

SHEET NO:

S501



CMHC HOUSING DESIGN CATALOGUE
AB ACCESSORY DWELLING UNIT 01
 MECHANICAL DRAWINGS



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MECHANICAL SHEET LIST ADU 01	
NO.	SHEET NAME
M000	MECHANICAL COVER SHEET
M001	MECHANICAL LEGENDS
M100	FOUNDATION PLAN
M101	GROUND FLOOR PLUMBING PLAN
M201	GROUND FLOOR VENTILATION PLAN
M300	MECHANICAL SCHEMATICS & DETAILS
M400	MECHANICAL SCHEDULES
M500	MECHANICAL SPECIFICATIONS

1	2025-02-21	ISSUED AS PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING DESIGN CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

MECHANICAL COVER SHEET

AB Accessory Dwelling Unit 01

PROJECT NO: 024-07-769

SCALE:

SHEET NO:

M000



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[illegible]

NO.	DATE	DESCRIPTION
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PROJECT:
CMHC HOUSING DESIGN
CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

MECHANICAL LEGENDS

AB Accessory Dwelling Unit 01

PROJECT NO: 024-07-769
SCALE: 1:1

SHEET NO:

M001

MECHANICAL LEGEND

NOTE: SOME SYMBOL REFERENCES MAY NOT BE USED ON THIS PROJECT

LINE TYPES CONTROLS WIRING SANITARY PIPING STORM PIPING SANITARY VENT BRANCH PIPING SANITARY VENT UP TO NEXT LEVEL SANITARY VENT UP THROUGH ROOF DOMESTIC COLD WATER PIPING DOMESTIC HOT WATER PIPING DOMESTIC HOT WATER RECIRC. PIPING NATURAL GAS PIPING CONDENSATE PIPING REFRIGERANT SUPPLY PIPING REFRIGERANT RETURN PIPING		VENTILATION OUTDOOR AIR DUCT UP/DOWN SUPPLY AIR DUCT UP/DOWN RETURN AIR DUCT UP/DOWN EXHAUST AIR DUCT UP/DOWN ROUND DUCT UP/DOWN ACOUSTIC DUCT INSULATION BALANCING DAMPER BD = BACKDRAFT DAMPER FD = FIRE DAMPER SD = SMOKE DAMPER SIDEWALL GRILLE SQUARE DIFFUSER C/W TAKEOFF AND BALANCING DAMPER ROUND DIFFUSER C/W TAKEOFF AND BALANCING DAMPER TURNING VANES	
PLUMBING PIPE FLOW ARROW PIPE CAP PIPE CONNECTION PIPE DROP PIPE RISE PIPE TEE (BELOW) PIPE TEE (ABOVE) SANITARY P-TRAP RUNNING P-TRAP HEAT TRACING FLOOR DRAIN ROOF DRAIN HOSE BIBB CLEANOUT G+IBCO BUILDING CLEANOUT GAS METER WATER METER THRUST BLOCK		FIRE PROTECTION FIRE EXTINGUISHER 	
CONTROLS CO = CARBON MONOXIDE THERMOSTAT (COVER/NO COVER) WALL SWITCH (ON-OFF/VARIABLE)		SCHEMATICS HOSE END WITH CAP & CHAIN FOR DRAINING FLEX PIPE CONNECTION 2-WAY CONTROL VALVE 3-WAY CONTROL VALVE BACKFLOW PREVENTER NORMALLY OPEN BACKWATER VALVE CIRCUIT BALANCING/MEASUREMENT VALVE CHECK VALVE ISOLATION VALVE MANUAL BALANCING VALVE PRESSURE/TEMPERATURE PORT PRESSURE REGULATING VALVE SOLENOID VALVE UNION AIR SEPARATOR AIR VENT - AUTOMATIC AIR VENT - AUTOMATIC CARTRIDGE FILTER PUMP WYE STRAINER C/W BALL VALVE, CAP & CHAIN PRESSURE SAFETY VALVE PRESSURE GAUGE C/W ISOLATION TEMPERATURE GAUGE TS = TEMPERATURE SWITCH CENTRIFUGAL FAN	
TAGS 		DIFFUSER/GRILLE TAG	
		DRAWING REFERENCE	
		SECTION/ELEVATION REFERENCE	
		EQUIPMENT TAG	
		KEYNOTE REFERENCE	

ABBREVIATIONS

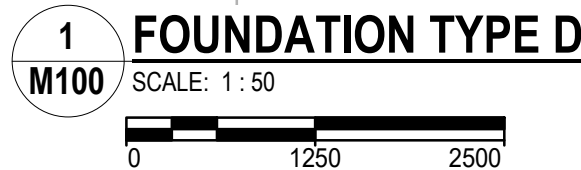
BT	BATHTUB
CO	CLEANOUT
CP	CONDENSATE PUMP
CJ	CONDENSING UNIT
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
EW	EXHAUST WATER HEATER
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
F/A	"FROM ABOVE"
F/B	"FROM BELOW"
FD	FLOOR DRAIN
FN	FURNACE
GSV	GAS SHUTOFF VALVE
H	HOSE BIBB
LAV	LAVATORY
NC	"NORMALLY CLOSED"
NO	"NORMALLY OPEN"
P	PUMP
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
RH	KITCHEN RANGE HOOD
SH	SHOWER
SK	SNK
TA	"TO ABOVE"
TB	"TO BELOW"
UNO	"UNLESS NOTED OTHERWISE"
UTR	"UP THROUGH ROOF"
WC	WATER CLOSET

SITE-SPECIFIC DESIGN REQUIREMENTS

ALL SITE-SPECIFIC ELEMENTS TO BE REVIEWED & DESIGNED BY THE RESPONSIBLE DESIGN PROFESSIONAL ISSUING THE DRAWINGS FOR PERMIT & CONSTRUCTION AT THE LOCATION DETERMINED. THIS INCLUDES:

- 1 SITE SERVING: INCOMING WATER, GAS, SANITARY & STORM SEWER
CONNECTIONS TO BE CONFIRMED FOR SITE.
- 2 ENERGY EFFICIENCY: ISSUING DESIGN PROFESSIONAL TO REVIEW & CONFIRM ALL
RELEVANT SITE DATA INCLUDING CLIMATE ZONE, HEATING/COOLING DEGREE DAYS,
ORIENTATION, ADJACENT BUILDINGS (ROW HOUSING), MECHANICAL SYSTEM,
ENVELOPE & GLAZING PERFORMANCE IN ORDER TO ACCURATELY DETERMINE:
i. EQUIPMENT SIZING: FURNACE, AIR CONDITIONING, AND/OR HEAT PUMP
CAPACITIES & ASSOCIATED DUCT SIZING TO BE DESIGNED & REVIEWED BY THE
ISSUING DESIGN PROFESSIONAL, IN ACCORDANCE WITH THE LOCAL CLIMATIC
CONDITIONS AS OUTLINED ABOVE.

1	CONNECT RAIN WATER LEADERS TO UNDERGROUND STORM SERVICE WHERE REQUIRED BY LOCAL CODE.
---	---



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NO.	DATE	DESCRIPTION
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PROJECT:

ALBERTA, CANADA

SHEET TITLE:

AB Accessory Dwelling Unit 01

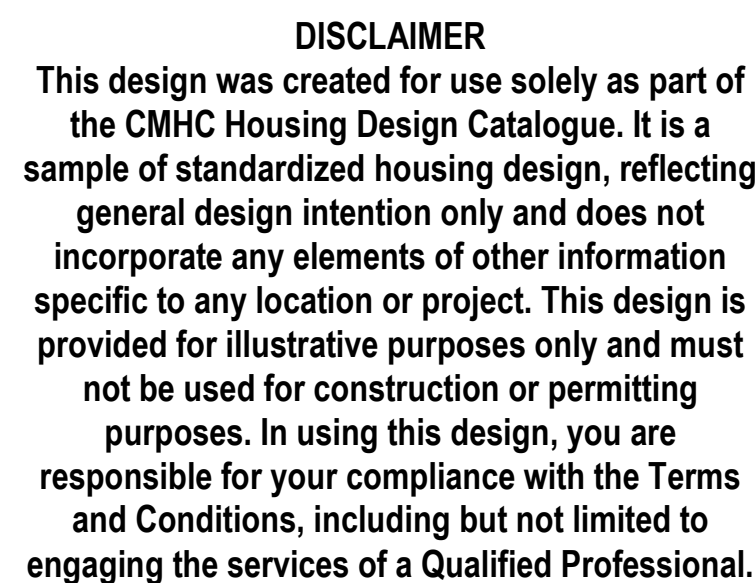
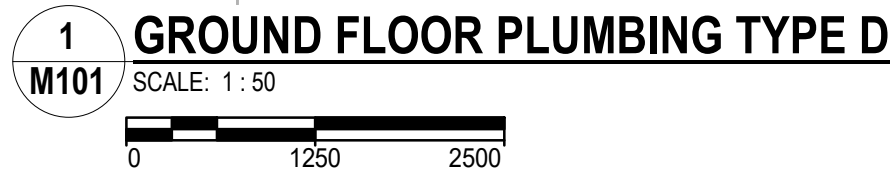
PROJECT NO: 024-07-769

SCALE: 1 : 50

SHEET NO:

M100

- 1 RUN INDIVIDUAL DOMESTIC HOT WATER AND COLD WATER LINES TO ALL PLUMBING FIXTURES AS REQUIRED.
- 2 NATURAL GAS METERS TO BE LOCATED A MINIMUM OF 3.0M AWAY FROM ANY OPERABLE WINDOWS OR DOORS.
- 3 INSTALL NATURAL GAS PIPING FROM THE UTILITY METER TO ALL GAS-FIRED APPLIANCES IN ACCORDANCE WITH CSA B149.1.



1	2025-02-21	ISSUED AS PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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CMHC HOUSING DESIGN
CATALOGUE

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OR CONSTRUCTION

GROUND FLOOR PLUMBING PLAN

AB Accessory Dwelling Unit 01

SCALE: 1 : 50

M101

1 SUPPLY AIR GRILLES TO BE COMPLETE WITH INTEGRAL
OPPOSED-BLADE DAMPER FOR BALANCING.

- 1 INSULATE ALL DUCTS RUN IN ATTIC
- 2 ERV O/A INTAKE - MAINTAIN MINIMUM 1800 CLEARANCE FROM ALL
EXHAUSTS/VENTS
- 3 ERV E/A OUTLET
- 4 RH-1 E/A OUTLET
- 5 LAUNDRY E/A OUTLET
- 6 S/A GRILLE (CEILING)
- 7 BATHROOM E/A GRILLE



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1	2025-02-21	ISSUED AS PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING DESIGN CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

GROUND FLOOR VENTILATION PLAN

AB Accessory Dwelling Unit 01

PROJECT NO: 024-07-769

SCALE: 1 : 50

SHEET NO:

M201

A. GENERAL REQUIREMENTS

1. Include all labour, material and equipment required for the installation, testing and placing into operation complete mechanical systems in accordance with the plans and specifications. Installation to conform with all applicable codes and standards and to the satisfaction of the authorities having jurisdiction.
2. Contract documents are diagrammatic only. They are to establish scope, material, and quality. They are not detailed installation drawings. Minor details usually not shown or specified, and any incidental accessories required for proper installation of the system, are to be included in the work. Pipes and ductwork shall be installed in such a way as to conserve head room and interfere as little as possible with free use of the space through which they pass. All pipes and ductwork which are to be concealed shall be installed neatly and closely to the building structure so that the necessary furring can be kept as small as possible. Supply all miscellaneous metals, such as anchor bolts, expansion bolts, hanger inserts, angles, bars, plates, brackets that are related to the mechanical system installation.
3. Be responsible for the establishment of all grades and elevations in connection with mechanical equipment, ductwork, piping, drains, etc.
4. Follow the recommended installation details and procedures for all equipment as found in suppliers technical data, supplemented by details given herein by these specifications or the drawings. Where indicated in the equipment schedules, include for a factory trained service technicians attendance on the site to participate in the start up and commissioning, including controls verification, certify the installation, verify the performance, provide maintenance and operating instructions and submit a report.

B. PIPING

1. Contractor to coordinate the building system installation with the site work. Be responsible for setting grades and confirm all elevations prior to installation.
2. Hangers and supports shall secure pipe in place, maintain grade by adjustment, provide for expansion and appear neat. Install supports of strength and rigidity to suit loading without unduly stressing the structure. Hangers for piping shall be adjustable ring or clevis type. Steel for ferrous piping and copper for copper piping. Trapeze type hangers may be used where several pipes run at the same elevation. Provide isolation between copper pipe and steel hangers. Use of perforated band strap hangers is not acceptable in non-combustible construction. Use of perforated band strap hangers is acceptable in wood frame construction for Code Group "C" residential projects. Perforated band strap hangers shall only be permitted to support individual pipes by wrapping around the pipe, secured with a bolt, and securely fastened to the building structure. Provide C-Clamp for fastening hangers to joist or install hanger rods in roof structure as approved by the Consultant. Pipe hangers shall be spaced at maximum intervals as noted in the local building code according to pipe material and size. Pipe under the building in the fill shall be supported continuously, by bedding in sand. For piping below structural slabs on grade, provide stainless steel hangers.
3. Piping - the following specification indicates the piping and fittings that may be utilized for the project. The Contractor shall submit manufacturer shop drawings for the piping and fittings proposed for use on the project. Contractor to confirm specific manufacturer, application, and installation requirements and warranty limitations prior to selecting and installing a particular product. Contractor to ensure all materials are in accordance with the applicable code requirements relating to material flame spread and smoke development, use of combustible materials, and use of materials in and penetrating fire-rated assemblies.

- a) Plumbing drainage, venting, water, and natural gas piping:
Materials and application permitted for use on this project shall be in strict accordance with the applicable plumbing, and gas codes that govern the project installation permits. PEX piping to be chlorine resistant MDC 5.
- b) Refrigerant:
ACR copper
Wrought copper, Brazed
Cast copper, Brazed
- c) Equipment Drains & Overflows:
Galvanized steel, Schedule 40, ASTM A53 only
Galvanized, Screwed
Cast brass
Copper water tube, Type M, drawn temper
Wrought copper, bronze, Soldered 50-50 tin-antimony
4. Provide and set cleanouts for house drains in all straight runs of sewers, at the end of all branches, at the base of all riser lines, on all exposed or accessible traps (except water closets) further at the entry of the building at all points in the system where so indicated or called for, or where necessary to remove obstruction. Provide brass ring and cover to suit floor finish. Install cleanouts in accessible locations.
 5. Provide DCW, DHW, & Sanitary connections to all plumbing fixtures as listed in the Plumbing Fixture Pipe Size Schedule.
 6. Every fixture shall have its own isolation valves, trap and vent in accordance with local plumbing regulations. All vents shall extend to a minimum of 8" (150 mm) above finished roof.
 7. Sleeves shall be provided by the Mechanical Contractor for all pipes passing through fire-rated walls and floors, and potentially wet floors. Sleeves shall be standard weight steel pipe or 18 gauge (1.2 mm) galvanized steel.
 8. Provide roof and floor drains where indicated on drawings and as per equipment schedules.
 9. Isolate steel and copper pipe with dielectric couplings. Where bronze bodied valves isolate steel and copper pipe, no insulated couplings are required.
 10. Provide valves in accordance with the following schedule, valve to be manufactured and certified for the service application.

Function	Type	Size	Remarks
Isolation	Ball	Up to 3"(75mm)	Cast bronze, full port, seals to suit application, solder or threaded ends

11. Install all piping to allow for expansion and contraction. Provide flexible pipe connections, expansion joints and compensators, pipe loops, swing joints, and offsets.
12. Provide backflow prevention devices in conformance with CSA B64 and local Codes on all hose connections and on all domestic water connections where required.
13. Where required by Authorities, ensure that all service water lines over 1½" (40 mm) are flushed and cleaned and that a sample is submitted to a certified Lab for bacterial testing. Send copy of test results to the Consultant.
14. Flush all domestic water piping within the building for sufficient time to remove all contaminants.
15. Provide a minimum of 2% slope of pipe on sanitary and storm drainage piping, unless noted otherwise on drawings.
16. Test all piping systems in accordance with industry standards. Hydro test all liquid systems; air or nitrogen test gas systems. Test to minimum 1½ times operation pressure for a minimum of 2 hours, or as required by code.
17. On all domestic systems equip low points with 20 mm (¾") drains consisting of a ball valve and hose nipple.
18. Protect all metal pipes from contact with corrosive material.

C. DUCTWORK

1. Provide all venting and chimneys from all gas fired equipment, as required in accordance with CSA standards for the applicable venting category and local codes. Provide venting materials required to suit the specific equipment application, as per manufacturer's venting guidelines.
2. Ducts shall be constructed of galvanized sheet metal sufficiently braced to prevent rattling or leaking. Duct systems shall be complete of sizes shown. If not shown, of sizes required to produce capacity of equipment installed. Properly support ducts with galvanized hangers. Gauges, joints, bracing and hangers shall be in accordance with the SMACNA Manual latest edition. Medium velocity and exposed round ductwork to be spiral lock seam type only. Ductwork in interior exposed areas intended to be painted shall be satin finish.
3. Low velocity insulated flexible ductwork shall be equal to Thermaflex Type M-KC. Connect air outlets to low pressure ducts with 36" (900 mm) maximum length of stretched flexible duct. Hold in place with caulking compound and strap or clamp. Do not kink or pinch cross sectional area. Where low pressure ducts are connected to fan equipment, terminal boxes or any other apparatus, a screwed or bolted flexible gasket joint shall be provided between the ductwork and the equipment, minimum 2" (50 mm) wide.
4. Provide all necessary anchors and guides to permit free expansion and contraction of ducts. Hangers and supports for covered ducts shall not injure or pierce the insulation.
5. Duct sizes shown on the drawings are inside clear dimensions. If ducts are acoustically lined, the outside size shall be increased accordingly. All ducts shall be complete within themselves and no single partition between ducts will be accepted.
6. Unless noted otherwise, provide birdscreen on all open ended ducts to the following sizes:

Open Ended Duct Application	Birdscreen Size in (mm)
Exterior exhaust outlets (gooseneck or wall hood)	1 (25)
Exterior intakes	2 (50)
Interior open ended ducts	1 (25)

7. All laps shall be smooth and in the direction of air flow. Sheet metal screws shall be accepted on low pressure ductwork only.
8. Unless otherwise indicated, all tees, bends and elbows shall be constructed with a radius of not less than 1½ times the width of the duct on centerline.
9. All rectangular ducts shall be constructed by breaking the corners and grooving longitudinal seams using the Pittsburgh-seam or other approved airtight seam. All elbow and transformation pieces shall be constructed using Pittsburgh corner seams or double seam corners. All slips shall not be less than one gauge heavier than the duct material and flange joints may be considered as girth reinforcing. Open corners will not be accepted. All ductwork joints shall be sealed with approved type products based on SMACNA manual for each pressure class. Duct tape as a sealing method is not acceptable.
10. Provide balancing dampers c/w indicators at all points on supply and return and exhaust systems where branches are taken from larger ducts, also where indicated on the drawings and required for proper air balance.
11. Provide ULC labeled and approved fire dampers at all points where ductwork penetrates fire rated assemblies. Fire dampers to be curtain type. Provide dampers suitable for the application (vertical or horizontal) and rating. Static or dynamic type as required. Provide approved fire stop flaps where outlets penetrate a membrane ceiling forming part of a fire rated assembly. Dampers are to be installed according to the manufacturer's instructions.
12. Wall hoods to be aluminum. Back draft dampers to be provided for exhaust wall hoods. Refer to drawings for duct connection sizes.

D. INSULATION

1. Provide insulation for ducts and piping as specified below and in accordance with TIAC guidelines.
2. All insulating material, flexible connectors, combustible coverings, etc., shall have flame spread ratings and smoke development classification not exceeding current code requirements.
3. Provide canvas recovery jacket on all indoor exposed insulation. Aluminum or PVC recovery in wet areas or when exposed to the elements or subject to damage. Foil-faced vapour insulation on supply ducts, cold ducts and cold pipes.
4. Provide insulation to the following standards throughout the building:

Duct Service & Equipment	Insulation in (mm)
Outdoor Air Intake, Combustion Air, Relief Air	2 (50)
Exhaust Duct (within 10' (3 m) of exterior openings)	1 (25)
Ducts exposed to outdoors	2 (50)
Acoustic Lining (minimum, where indicated on plans) (where indicated & noted on plans)	1 (25) 2 (50)

Piping Service & Equipment	Nominal Sizes	Insulation in (mm)
Storm Sewer & Vents (minimum 6' (2 m) section from roof and entire horizontal to first vertical drop)	All Sizes	1 (25)
Domestic Cold Water	All Sizes	1 (25)
Domestic Hot Water & Recirculation	2 (50) and smaller 2½ (65) and larger	1 (25) 1½ (40)
Refrigerant (Amflex insulation)	All Sizes	½ (15)

E. CONTROLS AND INTERFACE WITH THE ELECTRICAL CONTRACTOR

Supply the Electrical Contractor with information necessary to accurately locate motors and any control devices that require wiring by the Electrical Contractor. Coordinate with the Electrical Contractor the electrical requirements for all mechanical equipment. Confirm the voltage and phase with the Electrical Contractor prior to ordering of equipment and submission of shop drawings. Be responsible for any additional electrical costs resulting from alternative mechanical equipment being supplied. Provide the Electrical Contractor with a motor list based on the coordinated electrical connection requirements and the shop drawings. Include in the motor list a complete inventory of all equipment and systems that require electrical connections. Include the equipment tag number, location, motor HP or kW, voltage, phase, starter and control requirements and interlocks. The Engineers design motor list can be made available, for information purposes only, upon request.

1. All electric/electronic controls devices by the Mechanical Contractor and/or their sub-trades. All conduit & wiring by the Electrical Contractor.
 - Mechanical Contractor or their sub-contractors or equipment suppliers to provide all control devices. Wiring of low and line voltage related to the mechanical controls to be by the Electrical Contractor.
 - Provide shop drawings c/w product data for all devices, valve and damper schedules, wiring schematics and operational description for all equipment that is provided with automatic control.
 - Devices and control equipment to be as detailed below or as specified in the equipment schedules.
 - Mechanical Contractor to verify the operation of all systems and equipment. Calibrate all control devices.



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1	2025-02-21	ISSUED AS PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT:

CMHC HOUSING DESIGN CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT OR CONSTRUCTION

SHEET TITLE:

MECHANICAL SPECIFICATIONS

PROJECT NO: 024-07-769

SCALE:

SHEET NO:

M500

CMHC HOUSING DESIGN CATALOGUE

AB ACCESSORY DWELLING UNIT 01

ELECTRICAL DRAWINGS

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1	03/26/25	ISSUED AS PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT

CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

AB ACCESSORY
DWELLING UNIT 01 -
COVER PAGE

PROJECT NO: 241058
SCALE: 1 : 1

SHEET NO:

E100

ELECTRICAL SYMBOL LEGEND			
NOTE: SOME SYMBOL REFERENCES MAY NOT BE PART OF THIS PROJECT			
LIGHTING			
	LINE VOLTAGE SWITCH		RECESSED MOUNTED LIGHT FIXTURE
	WALL MOUNT OCCUPANCY SENSOR SWITCH		SURFACE MOUNTED LIGHT FIXTURE
	CEILING MOUNT OCCUPANCY SENSOR		SUSPENDED LIGHT FIXTURE
	LOW VOLTAGE SWITCH, # INDICATES BUTTONS		STRIP LIGHT FIXTURE
	CEILING MOUNT EXIT SIGN, LINE DENOTES FACE		WALL MOUNTED LINEAR LIGHT FIXTURE
	WALL MOUNT EXIT SIGN, LINE DENOTES FACE		WALL MOUNTED LIGHT FIXTURE
	EXIT SIGN C/W EMERGENCY HEADS		SURFACE MOUNTED LIGHT FIXTURE
	REMOTE EMERGENCY HEADS		RECESSED DOWNLIGHT
	BATTERY PACK C/W EMERGENCY HEADS		PENDANT MOUNT LIGHT FIXTURE
	HATCH INDICATES EMERGENCY FIXTURE		TRACK LIGHT, NO. OF HEADS AS PER PLANS
	FIXTURE TYPE/MARKER		STRIP LIGHT FIXTURE
	CCT		ILLUMINATED BOLLARD
	a/120		POLE MOUNTED LIGHT FIXTURE
	900A/F		
LIGHTING SYMBOL ANNOTATIONS:			
PEC	PHOTOELECTRIC CELL	D	DIMMER
TC	TIME/LOCK	DT	DUAL TECHNOLOGY
NL	NIGHTLIGHT (UN-SWITCHED)	VAC	VACANCY SENSOR (MANUAL ON, AUTO OFF)
3	3-WAY	FIX	FIXTURE POWERED FROM EMERGENCY SOURCE
LV	LOW VOLTAGE	EM#	EMERGENCY BATTERY PACK I.D.
POWER			
	DUPLEX RECEPTACLE		SPECIAL RECEPTACLE
	QUAD RECEPTACLE		JUNCTION BOX
	GFI RECEPTACLE		PAC POLE
	SPLIT FED RECEPTACLE		MOTOR
	HALF SWITCHED RECEPTACLE		DISCONNECT SWITCH
	ISOLATED GROUND RECEPTACLE		MAGNETIC STARTER / VFD
	PEDESTAL MOUNTED RECEPTACLE		SURGE PROTECTION DEVICE
POWER SYMBOL ANNOTATIONS:			
T	T-SLOT (20A)	TR	TAMPER RESISTANT
WP	WEATHERPROOF	U	USB CHARGER
DISTRIBUTION			
	SURFACE MOUNTED PANELBOARD		UTILITY METER STACK
	RECESSED MOUNTED PANELBOARD		UTILITY METER
	COMMUNICATIONS BACKBOARD		GROUND BAR
	LOW TENSION PANEL / CABINET		TRANSFORMER
DISTRIBUTION SYMBOL ANNOTATIONS:			
MDP	MAIN DISTRIBUTION PANEL	LVRC	LOW VOLTAGE RELAY PANEL
CDP	CENTRAL DISTRIBUTION PANEL	CB	COMMUNICATIONS BACKBOARD
MCC	MOTOR CONTROL CENTER	TX	TRANSFORMER
LOW TENSION			
	DATA NETWORK JACK		WIRELESS ACCESS POINT
	TELEPHONE JACK		PROVIDE DATA DROP IN CEILING SPACE
	COMBINATION TELEPHONE / DATA JACK		PUSHBUTTON
	TELEVISION COAX OUTLET		UP / DOWN / STOP PUSHBUTTON
	HDMI OUTLET		CEILING MOUNTED SPEAKER
	DOORBELL BUZZER / DOORBELL CHIME		WALL MOUNTED SPEAKER
	THERMOSTAT		CO ₂ / NO SENSORS
LOW TENSION SYMBOL ANNOTATIONS:			
#	NUMBER INDICATES QUANTITY OF CABLES / DROPS AT EACH LOCATION		
FIRE ALARM			
	HORN		HEAT DETECTOR - FIXED TEMPERATURE
	HORN STROBE		HEAT DETECTOR - RATE OF RISE

ELECTRICAL SHEET LIST	
NO.	SHEET NAME
E100	AB ACCESSORY DWELLING UNIT 01 - COVER PAGE
E201A	AB ACCESSORY DWELLING UNIT 01 - MAIN FLOOR PLAN - OPTION 1
E201B	AB ACCESSORY DWELLING UNIT 01 - MAIN FLOOR PLAN - OPTION 2
E300	AB ACCESSORY DWELLING UNIT 01 - DETAILS
E400	AB ACCESSORY DWELLING UNIT 01 - SPECIFICATION



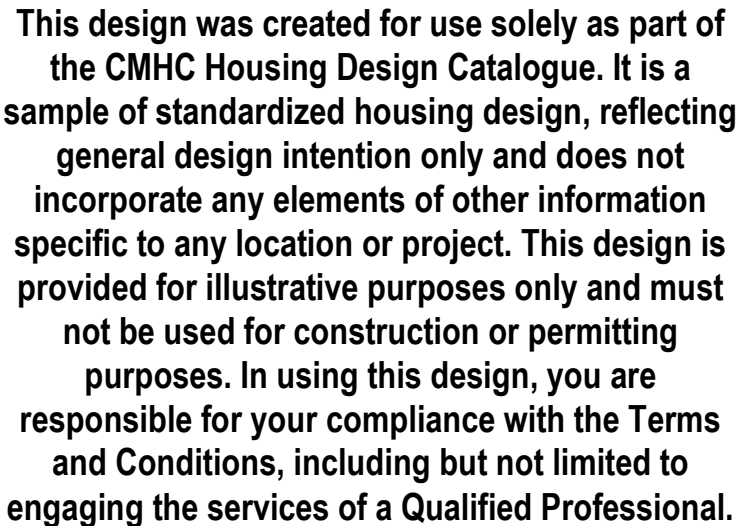
- 1 PROVIDE ARC FAULT BREAKERS FOR ALL RECEPTACLES IN RESIDENTIAL SUITES IN ACCORDANCE WITH CEC 26-658.
- 2 PROVIDE TAMPER RESISTANT RECEPTACLES IN EACH SUITE TO CEC 26-706.
- 3 PROVIDE GROUND FAULT CIRCUIT INTERRUPTION FOR RECEPTACLES WITHIN 1.5m OF ANY SINK OR WASHBASIN AND FOR EXTERIOR PATIOS.
- 4 TO PREVENT SOUND TRANSMISSION BETWEEN ROOMS, PROVIDE HORIZONTAL SEPARATION OF AT LEAST 1 STUDO SPACE FOR RECESSED WALL JUNCTION BOXES IN SUITE WALLS WHEN THE JUNCTION BOXES ARE INSTALLED ON EITHER SIDE OF THE WALL.
- 5 PROVIDE MOLDABLE FIRE RESISTANT PUTTY PADS (3M FIRE BARRIER OR EQUAL) IN SUITE PARTY WALLS WHEN JUNCTION BOXES ARE INSTALLED WITHIN THE SAME STUDO SPACE ON EITHER SIDE OF THE WALL. WHERE PRACTICAL, EFFORT SHOULD BE MADE TO AVOID PLACING JUNCTION BOXES IN THE SAME STUDO SPACE. CONFIRM WITH ENGINEER.
- 6 PROVIDE RECEPTACLES IN SUITES WITH APPROPRIATE SPACING IN ACCORDANCE WITH SECTION 26 OF THE CEC WHETHER SHOWN CORRECTLY ON THE DRAWINGS OR NOT. ALLOW FOR ADDITIONAL RECEPTACLES AS REQUIRED. NO EXTRAS WILL BE PERMITTED FOR NOT COMPLYING WITH CEC SPACING REQUIREMENTS.
- 7 PROVIDE SWITCHES FOR BEDROOMS, KITCHENS, LIVING ROOMS, UTILITY ROOMS, DINING ROOMS, LAUNDRY ROOMS, BATHROOMS, HALLWAYS, STORAGE ROOMS, FRONT ENTRY, BALCONY ON THE LATCH SIDE OF THE DOOR. CONFIRM DOOR SWING ON SITE PRIOR TO ROUGH IN. INSTALL WITHIN 50mm OF THE DOOR. PROVIDE ADDITIONAL BLOCKING IF REQUIRED.
- 8 BALCONY LIGHT FIXTURES TO BE ALIGNED IN A VERTICAL LINE BETWEEN FLOORS. FROM GROUND FLOOR TO HIGHEST FLOOR IF POSSIBLE. REFER TO ARCHITECTURAL ELEVATIONS.
- 9 ALL SUITE LIGHT SWITCHES AND RECEPTACLES TO BE DECORA STYLE, RESIDENTIAL GRADE.
- 10 REFER TO LATEST MECHANICAL ENGINEER'S PLANS FOR THERMOSTAT AND HUMIDISTAT LOCATIONS. REFER TO SPECIFICATIONS.
- 11 REFER TO LATEST MECHANICAL ENGINEER'S PLANS FOR VENTILATION EQUIPMENT OR HEATING/ COOLING EQUIPMENT ELECTRICAL REQUIREMENTS (FURNACES, FAN COILS, CONDENSING UNITS, RADIATOR ZONE VALVES ETC). CONNECT ALL MECHANICAL HEATING/ COOLING EQUIPMENT. CONTACT ENGINEER IF DISCREPANCIES EXIST.
- 12 CONFIRM EXACT PLACEMENT OF LIGHT FIXTURES WITH OWNER.
- 13 PROVIDE SUITE PATIO RECEPTACLE NEAR BBQ GAS CONNECTION IF POSSIBLE. COORDINATE WITH MECHANICAL TRADE AND RELOCATE IF REQUIRED.
- 14 ALL SUITE TELEPHONE AND DATA JACKS TO BE CAT6 TO ALLOW FOR PATCHING FOR USE AS EITHER TELEPHONE OR DATA.

2.1	SUITE PANEL, PANEL TO BE FLUSH MOUNTED C/W HINGED SMOOTH COVER.
2.2	SUITE COMMUNICATION CABINET: SUPPLIED BY UTILITY, INSTALLED BY ELECTRICAL CONTRACTOR C/W HINGED SMOOTH COVER. INCLUDE NETWORK PATCH PANEL MODULE, 6 PORT VOICE/DATA MODULE, CATV SPLITTER, TELEPHONE MODULE AND RECEPTACLE. RETURN TELEPHONE, CATV AND DATA LINES TO THIS LOCATION.
2.3	SMOKE/CO ALARM - PROVIDE AND INSTALL 120V DETECTOR C/W BATTERY BACKUP AND MANUAL SILENCE BUTTON. PROVIDE MULTIPLE ALARMS ARE SHOWN WITHIN EACH SUITE, INTERLOCK SUCH THAT ALL UNITS WILL ALARM TOGETHER.
2.4	SMOKE ALARMS - PROVIDE AND INSTALL A 120V C/W BATTERY BACKUP, WHERE MULTIPLE ALARMS ARE SHOWN WITHIN EACH SUITE, INTERLOCK SUCH THAT ALL DEVICES WILL ALARM TOGETHER INCLUDING COMBINATION CO ALARMS, BATTERY TO BE TYPE 'A'. ALL SUITE SMOKE ALARMS AND OR CO DETECTORS TO BE WIRED WITH LIGHTING ON NON ARCH FAULT CIRCUIT.
2.5	RANGE: PROVIDE AND INSTALL 40A, 240V (OR 208V), 1 PHASE RECEPTACLE AT MAXIMUM 130mm AFF TO CENTER OF BOX.
2.6	FAN HOOD: PROVIDE INSTALLATION OF RANGE HOOD FAN / LIGHTS.
2.7	DISHWASHER - PROVIDE ELECTRICAL INSTALLATION FOR A DISHWASHER. COORDINATE INSTALLATION WITH APPLIANCE SUPPLIER.
2.8	REFRIGERATOR: PROVIDE DEDICATED RECEPTACLE.
2.9	WASHING MACHINE - PROVIDE DEDICATED 120V CIRCUIT FOR CLOTHES WASHER.
2.10	DRYER - PROVIDE AND INSTALL 30A, 208V (OR 240V), 1 PHASE RECEPTACLE.
2.11	CHIME - PROVIDE ROUGH IN FOR A DOOR CHIME NUTONE L11WH. PROVIDE ALL WIRING AND ACCESSORIES FOR COMPLETE OPERATION INCLUDING (BUT NOT LIMITED TO) 16V TRANSFORMER, WHITE LIGHTED PUSHBUTTON(S) ETC.
2.12	DOOR BUZZER (CHIME) - PROVIDE AND INSTALL A DOOR CHIME NUTONE L11WH. PROVIDE ALL WIRING AND ACCESSORIES FOR COMPLETE OPERATION INCLUDING (BUT NOT LIMITED TO) 16V TRANSFORMER, WHITE LIGHTED EXTERIOR DOOR PUSHBUTTON.

DESCRIPTION	BRKR	CCT	CCT	BRKR	DESCRIPTION
LIGHTING & POWER	15A	1	2		
LIGHTING & POWER	15A	3	4	40A	RANGE
LIGHTING & POWER	15A	5	6		
LIGHTING & POWER	15A	7	8	30A	DRYER
LIGHTING & POWER	15A	9	10	15A	WASHER
KITCHEN	20A	11	12		
KITCHEN	20A	13	14	20A	ERV-2
KITCHEN	20A	15	16		
MICROWAVE	15A	17	18	20A	CU-1
DISHWASHER	15A	19	20	15A	FN-1
FRIDGE	15A	21	22	15A	DWH-1
	15A	23	24	15A	
	15A	25	26	15A	
	15A	27	28	15A	
	15A	29	30	15A	
	15A	31	32	15A	
	15A	33	34	15A	
SPARE	15A	35	36	15A	SPARE
SPARE	15A	37	38	15A	SPARE
SPARE	15A	39	40	15A	SPARE
SPARE	15A	41	42	15A	SPARE

NOTES:

- DO NOT EXCEED 10 DEVICES PER CIRCUIT.
- REFER TO MECH SHOP DRAWINGS OR LATEST PLANS FOR ELECTRICAL REQUIREMENTS OF HVAC & AC EQUIPMENT.
- PANEL TO BE 24 CCT (48 MINI BREAKERS) EQUIPPED WITH 100A RATED BUS, 1 PHASE, 120/240V.
- PROVIDE ARC FAULT BREAKERS FOR ALL RECEPTACLES IN RESIDENTIAL SUITES IN ACCORDANCE WITH CEC 26-658.



1	03/26/25	ISSUED AS PROTOTYPICAL DRAWING

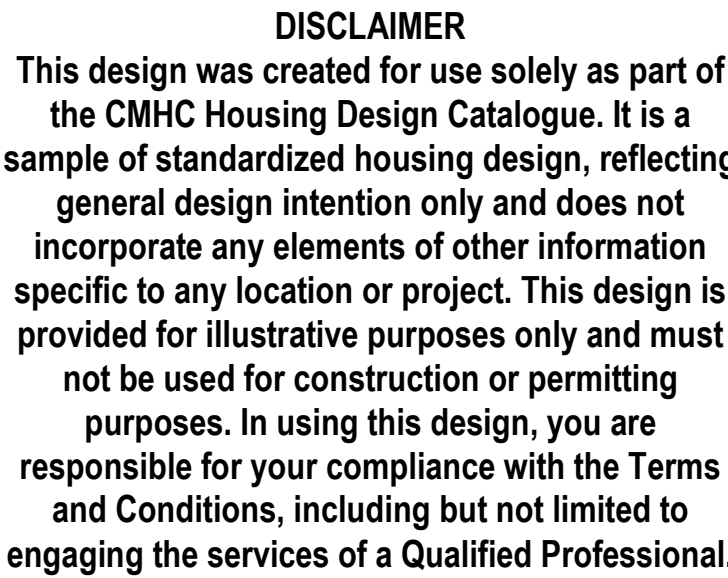
NO.	DATE	DESCRIPTION
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AB ACCESSORY
DWELLING UNIT 01 - MAIN
FLOOR PLAN - OPTION 1

241058

As indicated

E201A



- ## KEYNOTES - SUITES
- | | |
|------|---|
| 2.1 | SUITE PANEL, PANEL TO BE FLUSH MOUNTED CW HINGED SMOOTH COVER. |
| 2.2 | SUITE COMMUNICATION CABINET, SUPPLIED BY UTILITY, INSTALLED BY ELECTRICAL CONTRACTOR CW HINGED SMOOTH COVER. INCLUDE NETWORK PATCH PANEL MODULE, 6 PORT VOICE/DATA MODULE, CATV SPLITTER, TELEPHONE MODULE AND RECEPTACLE. HOME RUN TELEPHONE, CATV AND DATA LINES TO THIS LOCATION. |
| 2.3 | SMOKE/CO ALARM - PROVIDE AND INSTALL 120V DETECTOR CW BATTERY BACKUP AND MANUAL SILENCE BUTTON. WHERE MULTIPLE ALARMS ARE SHOWN WITH EACH SUITE, INTERLOCK SUCH THAT ALL UNITS WILL ALARM TOGETHER. |
| 2.4 | SMOKE ALARMS - PROVIDE AND INSTALL A 120V CW BATTERY BACK UP, WHERE MULTIPLE ALARMS ARE SHOWN WITH EACH SUITE, INTERLOCK SUCH THAT ALL DEVICES WILL ALARM TOGETHER INCLUDING COMBINATION CO ALARMS, BATTERY TO BE TYPE 'A'. ALL SUITE SMOKE ALARMS AND OR CO DETECTORS TO BE WIRED WITH LIGHTING ON NON ARCH FAULT CIRCUIT. |
| 2.5 | RANGE, PROVIDE AND INSTALL 40A, 240V (OR 208V), 1 PHASE RECEPTACLE AT MAXIMUM 130mm AFF TO CENTER OF BOX. |
| 2.6 | FAN HOOD, PROVIDE INSTALLATION OF RANGE HOOD FAN / LIGHTS. |
| 2.7 | DISHWASHER - PROVIDE ELECTRICAL INSTALLATION FOR A DISHWASHER. COORDINATE INSTALLATION WITH APPLIANCE SUPPLIER. |
| 2.8 | REFRIGERATOR, PROVIDE DEDICATED RECEPTACLE. |
| 2.9 | WASHING MACHINE - PROVIDE DEDICATED 120V CIRCUIT FOR CLOTHES WASHER. |
| 2.10 | DRYER - PROVIDE AND INSTALL 30A, 208V (OR 240V), 1 PHASE RECEPTACLE. |
| 2.11 | CHIME - PROVIDE ROUGH IN FOR A DOOR CHIME NOTED L1A11WH. PROVIDE ALL WIRING AND ACCESSORIES FOR COMPLETE OPERATION INCLUDING (BUT NOT LIMITED TO) 16V TRANSFORMER, WHITE LIGHTED PUSHBUTTON(S) ETC. |
| 2.12 | DOOR BUZZER (CHIME) - PROVIDE AND INSTALL A DOOR CHIME NOTED L1A11WH. PROVIDE ALL WIRING AND ACCESSORIES FOR COMPLETE OPERATION INCLUDING (BUT NOT LIMITED TO) 16V TRANSFORMER, WHITE LIGHTED EXTERIOR DOOR PUSHBUTTON. |

[illegible]

SHEET TITLE:

AB ACCESSORY
DWELLING UNIT 01 - MAIN
FLOOR PLAN - OPTION 2

SHEET NO:

E201B



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1	03/26/25	ISSUED AS PROTOTYPICAL DRAWING

NO.	DATE	DESCRIPTION
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PROJECT:
CMHC HOUSING
CATALOGUE

ALBERTA, CANADA

NOT FOR PERMIT
OR CONSTRUCTION

SHEET TITLE:

AB ACCESSORY DWELLING UNIT 01 - DETAILS

PROJECT NO: 241058
SCALE: N.T.S.

SHEET NO:

E300

LIGHTING FIXTURE SCHEDULE

NOTES:
EQUIVALENT FIXTURES ARE ACCEPTABLE UPON APPROVAL OF ENGINEER AND INTERIOR DESIGNER.
REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR EXACT FIXTURE LOCATIONS AND MOUNTING HEIGHTS.
LIGHT FIXTURES AND LAMPS TO HAVE A COLOR TEMPERATURE OF BETWEEN 3500-4000K UNLESS NOTED OTHERWISE

TYPE	MANUFACTURER	MODEL NUMBER	VOLTAGE	WATTAGE	LAMP	MOUNTING	DESCRIPTION
INTERIOR							
S1	BY CONTRACTOR	BY CONTRACTOR	120 V	21 VA	1815 LUMEN LED	SURFACE MOUNT	13" DIAMETER, WHITE FINISH, DIMMING
S2	BY CONTRACTOR	BY CONTRACTOR	120 V	15 VA	1300 LUMEN LED	SURFACE MOUNT	10" DIAMETER, WHITE FINISH, DIMMING
S3	BY CONTRACTOR	BY CONTRACTOR	120 V	10 VA	784 LUMEN LED	RECESSED	4" LED WET LISTED DOWNLIGHT, PHASE DIMMABLE SPRING CLIP MOUNTED C/W UNIVERSAL MOUNTING PLATE.
S4	BY CONTRACTOR	BY CONTRACTOR	120 V	30 VA	- LUMEN LED	WALL MOUNT	WALL MOUNT VANITY, TRIAC DIMMABLE, 3MMD BASE E26 SCREW-IN LAMPS.
S5	BY CONTRACTOR	BY CONTRACTOR	120 V	10 VA	650 LUMEN LED	RECESSED	4" RECESSED LED OPEN DOWNLIGHT - REGRESSED BAFFLE, SPRING CLIP C/W UNIVERSAL MOUNTING PLATE
SK1	BY CONTRACTOR	BY CONTRACTOR	120 V	10 VA	784 LUMEN LED	RECESSED	4" LED WET LISTED DOWNLIGHT, PHASE DIMMABLE SPRING CLIP MOUNTED C/W UNIVERSAL MOUNTING PLATE.

