

Mark whi	IBC 2015: Table 504.3, 50 ch Strategy Taken:	04.4, 506.2 Occ	IA, VA H _t Height (ft)	IA, VA S _t Story	IA/ VA A _t Area (sf)	A _a	A _a Area (sf)
	Accessory Occ:						(2.7)
		R3	55	4*	UNLIMITED		1,332
	Incidental Acc. Occ:						
Х	Single Occ:						
	Mixed Occ:	:					
	Nonseparated Uses:			Insert	each A _t		
	Separated Uses:	* 4 STORIES	S ALLOWED WIT	TH FIRE SPRINE	KLERS PER NFPR 13 OR 13R		

506.1 Area Ca	lculation		(To	otal Building)				
Aa	=	At	+	At If	+	At Is		
		Aa	=	Allowable Area	per Floor			
		At	=	Tabular Area pe	er Table 503 (squa	re feet)		
		lf	=	Area increase d	lue to frontage			
		Is	=	Area increase d	lue to sprinkler pro	tection		
At	=	UNLIMITED)3: Type V-B, Grou	•			
If	=			3.2 See calculation				
Is	=	0 5	Sec. 506.	3 Fully Sprinkled: 2	200% for Multi-Story	/ Building / 30	00% for Single Sto	ry
Aa	=	UNLIMITED	+	0	0.0000	+	0	(
Aa	=	UNLIMITED	+	0	+	0		
Aa	=	UNLIMITED	sf	ALLOWABLE AF	REA PER FLOOR			
	×	2	Multiply b	by number of storie	es - 506.4 (Max. 300)% increase)		
		UNLIMITED	sf	ALLOWABLE A	REA OF BUILDING			
656		AREA PER FLOOR UNLIMITED AREA PER BUILDING		OK, ALLOWABLE	:			
656		UNLIMITED		OK, ALLOWABLE				
656 ACTUAL AREA	< ALLOWABLE	UNLIMITED AREA PER BUILDING						
656 ACTUAL AREA 1,332	< ALLOWABLE	UNLIMITED AREA PER BUILDING UNLIMITED F	0.25					
656 ACTUAL AREA 1,332 506.2 Frontage	< ALLOWABLE	UNLIMITED AREA PER BUILDING UNLIMITED F P		OK, ALLOWABLE W 30				
656 ACTUAL AREA 1,332 506.2 Frontage	< ALLOWABLE	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase	due to fr	OK, ALLOWABLE W 30 rontage	ŧ			
656 ACTUAL AREA 1,332 506.2 Frontage If If F	< ALLOWABLE A Increase = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime	due to fr eter whic	OK, ALLOWABLE W 30 contage th fronts on a publi	ŧ	ace having 21	0 feet minimum (feet)
656 ACTUAL AREA 1,332 506.2 Frontage If If F P	< ALLOWABLE A Increase = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of er	due to fr eter whic ntire build	OK, ALLOWABLE W 30 rontage ch fronts on a publi	c way or open spo		0 feet minimum (feet)
656 ACTUAL AREA 1,332 506.2 Frontage If If F	< ALLOWABLE A Increase = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of er	due to fr eter whic ntire build	OK, ALLOWABLE W 30 contage th fronts on a publi	c way or open spo		0 feet minimum (feet)
656 ACTUAL AREA 1,332 506.2 Frontage If If F P W F	< ALLOWABLE A Increase = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of er Width of public	due to freter which tire build way or	OK, ALLOWABLE W 30 rontage ch fronts on a publi	c way or open spo		0 feet minimum (feet)
656 ACTUAL AREA 1,332 506.2 Frontage If If F P W	< ALLOWABLE A Increase = = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of en Width of public 60 102.5	due to freter which tire build away or lf	OK, ALLOWABLE W 30 rontage th fronts on a publiding open space (feet)	c way or open spo	ith 506.2.1		feet)
656 ACTUAL AREA 1,332 506.2 Frontage If If F P W F	< ALLOWABLE A Increase = = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of er Width of public	due to freter which tire build way or	OK, ALLOWABLE W 30 rontage th fronts on a publiding open space (feet)	c way or open spo	ith 506.2.1		feet)
656 ACTUAL AREA 1,332 506.2 Frontage If If F P W F P	< ALLOWABLE A Increase = = = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of en Width of public 60 102.5	due to freter which tire build away or lf	OK, ALLOWABLE W 30 rontage th fronts on a publiding open space (feet)	c way or open spo	ith 506.2.1		feet)
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656 ACTUAL AREA 1,332 506.2 Frontage If If F P W F P W	< ALLOWABLE A Increase = = = = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase Building perime Perimeter of er Width of public 60 102.5 20	due to freter which tire build a way or lf lf	OK, ALLOWABLE W 30 rontage th fronts on a publiding open space (feet)	c way or open spo in accordance w RGEST NUMBER THA	ith 506.2.1		feet) 0.6666

No	704.2 Column Protection:
	Primary structural frame individually protected.
No	704.3 Protection of the Primary Structural Frame other than columns:
	Requires individual protection when carry more than two floors or one floor and one roof.
No	704.10 Exterior Structural Members:
	Requires individual protection when carry more than two floors or one floor and one roof.
	705 Exterior Walls:
No	705.2 Projections: Shall not extend closer to FSD than Table 705.2.
Yes	705.2.2 Type V-B of any approved material
	705.2.3 Combustible projections either: 1-hr rated construction, type V-B construction,
	712 Vertical Openings:

718.2 Fireblocking: Required throughout.

718.3 Draftstopping in floors: 718.3.3: Exception- Not required if building equipped throughout with an NFPA 13 automatic sprinkler system

712.1.2 Two-story openings: Allowed within individual dwelling unit

718.4 Draftstopping in attics: 718.4.3: Exception- Not required if building equipped throughout with an NFPA 13 automatic sprinkler system

Chapter 8 - Finishes

N/A

Group	Exiting Elements	Corridors	Rooms & enclosed Spaces	
R3	R		C	

R3 B C C		Group	Exiting Elements	Corridors	Spaces	
er 9 - Fire Protection Systems		R3	В	С	С	
	er 9	- Fire Pro	otection Systems	;		'

Chapte

er 9 - Fire Protection Systems	
903.2 Automatic Sprinkler Systems Where Required:	

Required.

903.3.1 FS Standards: Install FS as per 903.3.1.1, 903.3.1.2 or 903.3.1.3:

903.3.1.2 NFPA 13R sprinkler systems: Group R when ≤ 4 stories in height, 903.3.1.2.1 Balconies and decks: Provide FS when bldg is of Type V const.

903.3.2 Quick-response and residential sprinklers: Install FS as per 903.3.1 in Group R dwelling units.

906.1 Portable Fire Extinguishers where required:

Class A, Ordinary Hazard: R3 Required per Dwelling Unit- 1-A:10-B:C Max flr area/unit of A: 1,500 sf max tir area/extinguisner: 11,250 st Max travel distance: 75 ft.

907.2.8: Not required, but exception 2 must be met

907.2 Fire Alarm and Detection Systems- Where required: Installed as per IBC and NFPA 72

Chapter 10 - Means of Egress

Table 1004.1 - Occupant Load: See 'G' Sheets for floor plans showing occupant loads per space. 1005 Egress Width: 0.3 x OL for stairs and 0.2 x OL for other egress components- See 'G' Sheets for floor plans showing stairs and egress components and width required and provided.

1007 Accessible means of Egress

Table 1017.2 - Exit access travel distance R3 = 200' (NFPA 13R) = 400' (NFPA 13)

1016.1 - Unenclosed Stairs: exception #3- travel distance shall be measured from the most remote point in the building to an exit discharge.

1022 Interior exit stairways and ramps: 1- 1022.2: 1-Hr fire barrier when ≤ 4 stories. 2- Construct as per 1022.2 - 1020.10.

(Chp. 11) Accessibility

1103 Scope: Detached One and Two Family dwellings are exempt from Chapter 11

1107.2.2 Multi-story units without elevator service are not required to have Type B, and are exempt.

(Chp 12) Interior Environment

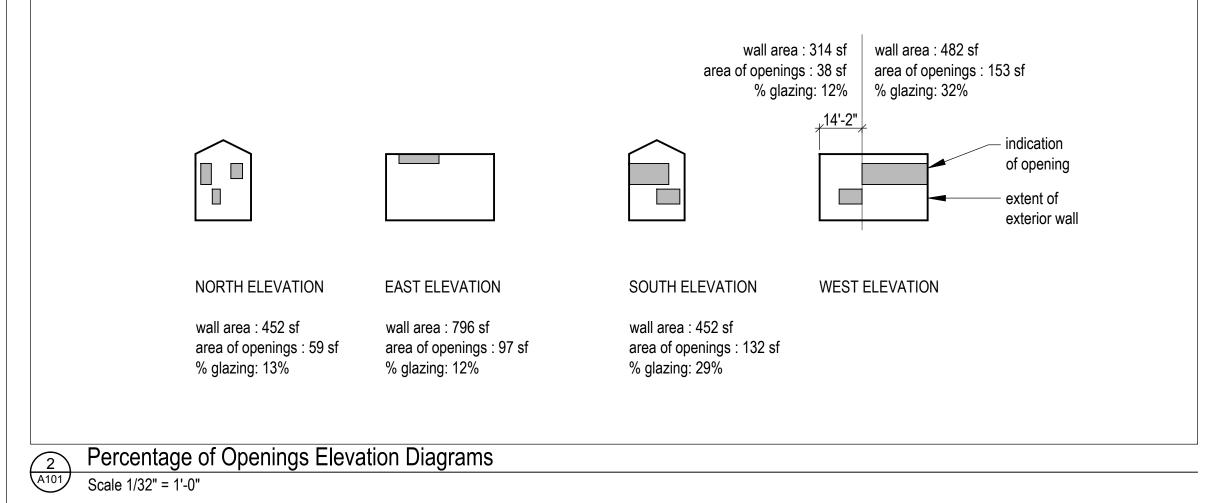
1207 Sound Transmission: 1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/celing assemblies that have an STC rating \geq 50 (45 if field tested).

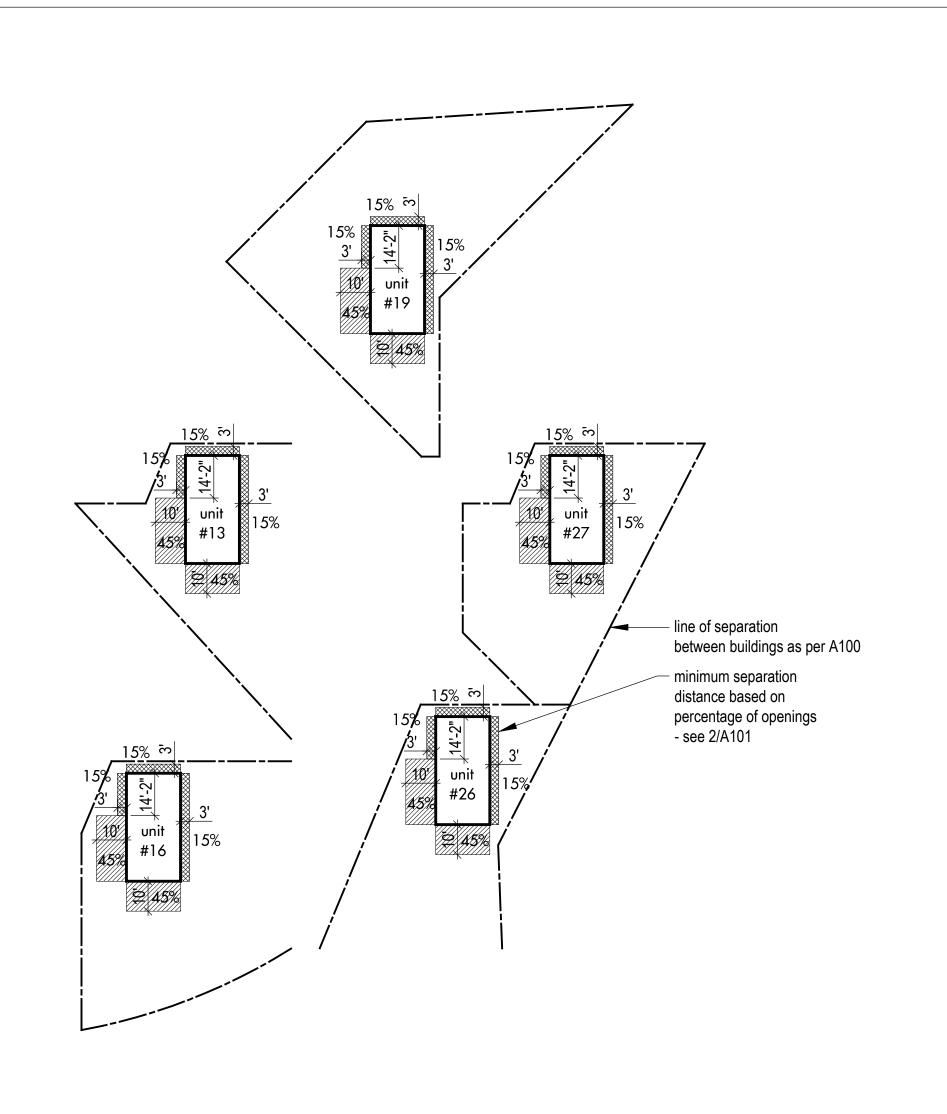
> 1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/celing assemblies that have an IIC rating \geq 50 (45 if field tested).

building number	northwest corner natural grade elevation	northeast corner natural grade elevation	southwest corner natural grade elevation	southeast corner natural grade elevation	upper level floor elevation	height to building ridge	average building height (less than 35')
13	8783.05	8782.35	8771.40	8769.95	8791.00	8806.00	29.5
16	8743.15	8743.2	8735.11	8734.30	8754.00	8769.00	30.25
19	8810.00	8807	8795.30	8793.25	8821.00	8836.00	34.375
26	8695.10	8694.6	8686.10	8685.20	8707.00	8722.00	31.85
27	8710.75	8709.8	8705.40	8705.10	8721.00	8736.00	28.075

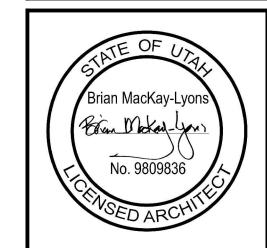
Height Restriction Chart

Scale 1/32" = 1'-0"





MacKay-Lyons 2188 Gottingen St. Halifax, Nova Scotia Canada B3K 3B4 ph: (902) 429.1867 fax: (902) 429.6276



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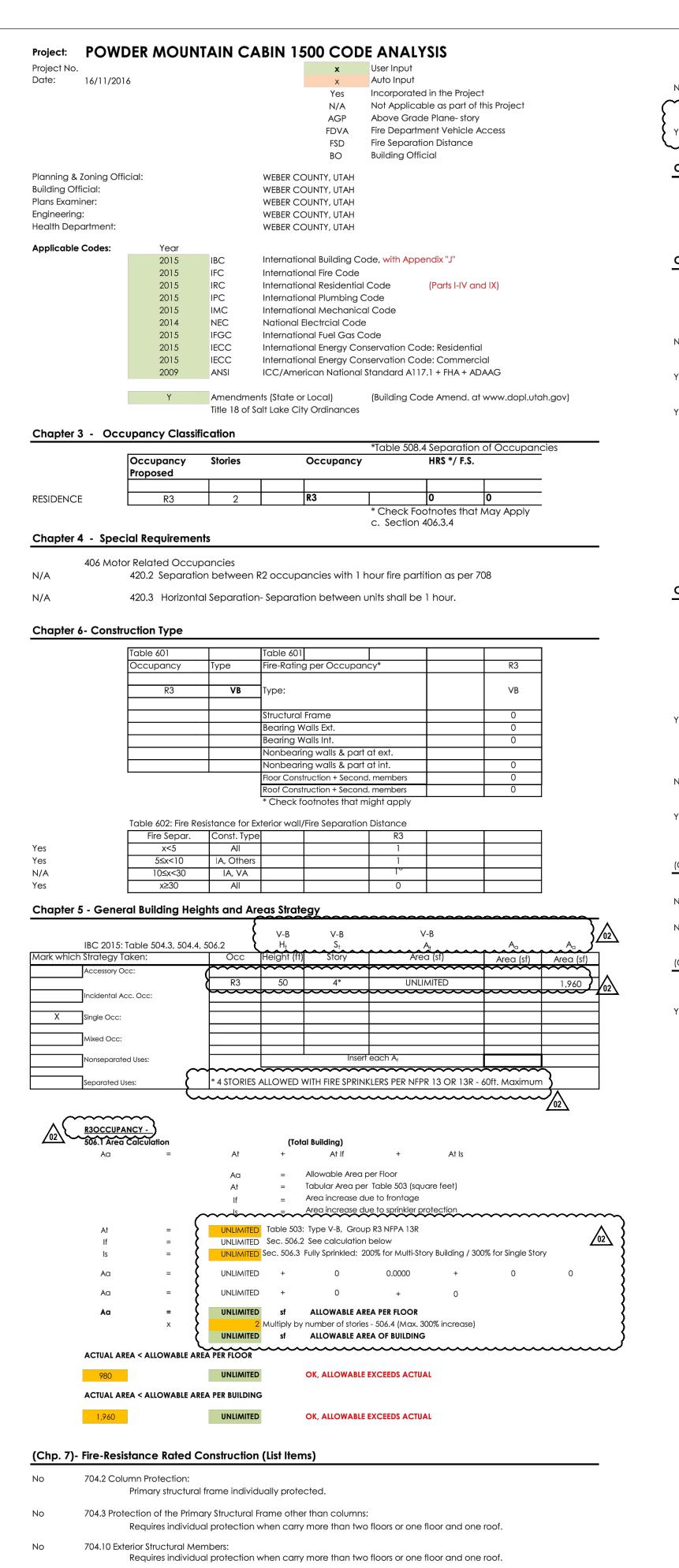
necessary approval from all relevant Authorities. DIMENSIONS: All dimensions must be verified on site. Do not scale off

drawings. Plans take precedent over elevations. In the absence of dimensions, or if discrepancies exist, consult Architect. All minimum dimensions are to comply with the National Building Code of Canada.

SHOP DRAWINGS: Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements of the building.

Cabin 1000





712 Vertical Openings: 712.1.2 Two-story openings: Allowed within individual dwelling unit 718 Concealed Spaces: 718.4 Draftstopping in Attics - Required Chapter 8 - Finishes Table 803.9 Interior Wall and Ceiling Finish Requirements by Occupancy: sprinklered Rooms & enclosed xiting Elements Spaces Corridors Chapter 9 - Fire Protection Systems 903.2 Automatic Sprinkler Systems Where Required: R3 Required. 903.3.1 FS Standards: Install FS as per 903.3.1.1, 903.3.1.2 or 903.3.1.3: 903.3.1.2 NFPA 13R sprinkler systems: Group R when ≤ 4 stories in height,

903.3.2 Quick-response and residential sprinklers: Install FS as per 903.3.1 in Group R dwelling units.

906.1 Portable Fire Extinguishers where required:

Class A, Ordinary Hazard:

Rated: 2-A

Max fir area/unit of A: 1,500 sf

Max Travel distance: 75 ft.

Max travel distance: 75 ft.

903.3.1.2.1 Balconies and decks: Provide FS when bldg is of Type V const.

907.2 Fire Alarm and Detection Systems- Where required: Installed as per IBC and NFPA 72

907.2.8: Not required, but exception 2 must be met

Chapter 10 - Means of Egress

Table 1004.1 - Occupant Load: See 'G' Sheets for floor plans showing occupant loads per space.

1005 Egress Width: 0.3 x OL for stairs and 0.2 x OL for other egress components- See 'G' Sheets for floor plans showing stairs and egress components and width required and provided.

1007.1 Need (1) accessible means of egress/space or (2) per when two exits required.

1007.3 Stairways: Need clear width of 48" between handrails and incorporate 'area of refugees'.

Exception #2 & #3: 48" and 'Area of Refugees' not required when NFPA 13 installed.

Table 1017.2 - Exit access travel distance

R3 = 200' (NFPA 13R)
= 400' (NFPA 13)

1007 Accessible means of Egress

1/A Unenclosed Stairs: exception #3- travel distance shall be measured from the most remote point in the building to an exit discharge.

1022 Interior exit stairways and ramps:
1- 1022.2: 1-Hr fire barrier when ≤ 4 stories.
2- Construct as per 1022.2 - 1020.10.

(Chp. 11) Accessibility

1103 Scope:
1103.2.3 Detached One and Two Family dwellings are exempt from Chapter 11

lo 1107.7 General Exceptions

1107.2.2 Multi-story units without elevator service are not required to have Type B, and are exempt

(Chp 12) Interior Environment

Yes 1207 Sound Transmission:

1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/celing

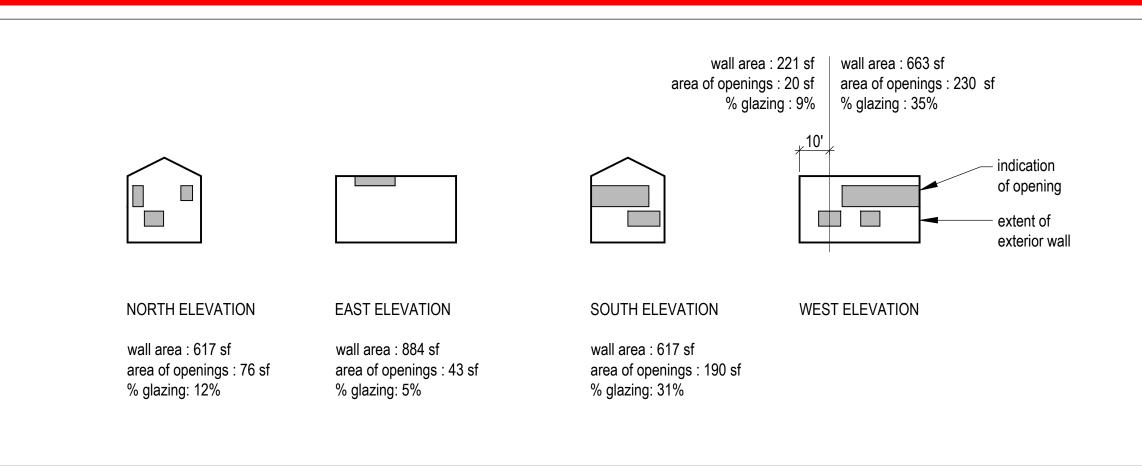
assemblies that have an STC rating \geq 50 (45 if field tested).

1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/celing assemblies that have an IIC rating \geq 50 (45 if field tested).

northwest corner northeast corner southwest corner building average building height upper level floor southeast corner natural height to building natural grade natural grade natural grade number grade elevation elevation ridge (less than 35') elevation elevation elevation 8770.65 8767.8 8756.00 8753.85 8778.00 8794.50 32.25 8739.90 8738.85 8725.45 8724.30 8748.00 8764.50 32.4 8798.05 8796.2 8784.00 8782.10 8808.00 8824.50 34.425 8711.4 8703.55 8725.00 8711.50 8702.80 8741.50 34.35 14 8786.85 8782.95 8775.30 8772.70 8798.00 8814.50 34.725 8766.30 8762.4 8753.75 8753.55 8778.00 8794.50 34.575 18 8823.15 8818.45 8810.15 8808.65 8834.00 8850.50 34.6 8723.35 8723.1 8718.25 8718.00 8736.00 8752.50 31.825 34.7 8720.05 8719.25 8714.65 8713.55 8735.00 8751.50

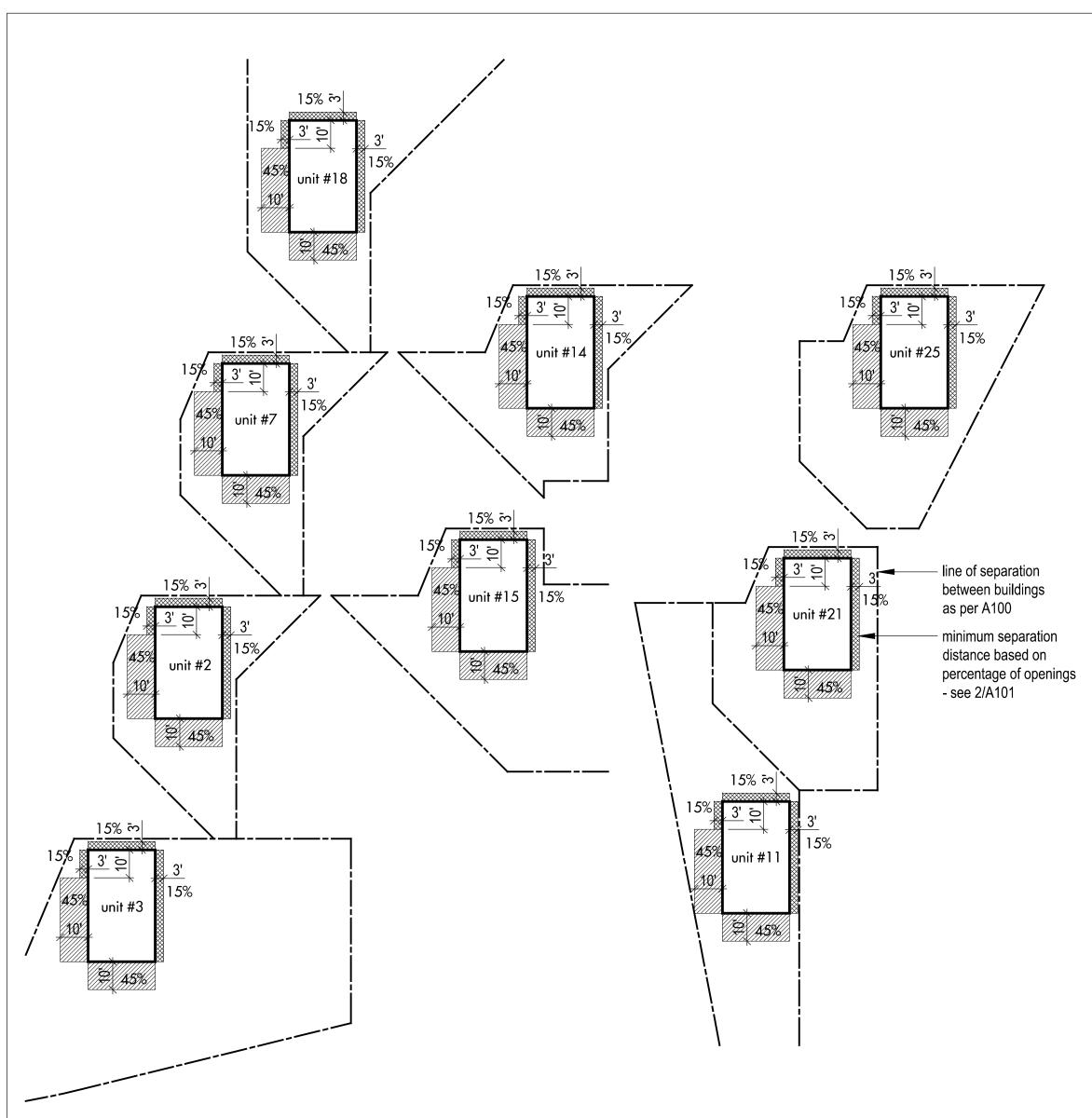
Height Restriction Chart

O1 Scale 1/32" = 1'-0"



Percentage of Openings Elevation Diagrams

Scale 1/32" = 1'-0"



Cabin 1500 -Code Review

MacKay-Lyons

2188 Gottingen St

Halifax. Nova Scotia

Canada B3K 3B4

ph: (902) 429.1867

fax: (902) 429.6276

Brian MacKay-Lyoi

Boun Dokay-you

No. 9809836

FOR CONSTRUCTION

Issued for FDN Permit 16.11.2016

Issued for FDN Permit 14.10.2016

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from instructions provided by the Engineer.

approval for materials and workmanship which deviates

ENGINEER'S REQUIREMENTS AND APPROVALS:

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AUTHORITIES' REQUIREMENTS AND APPROVALS
All materials and workmanship must comply with the

requirements of all authorities having jurisdication over

All dimensions must be verified on site. Do not scale off

drawings. Plans take precedent over elevations. In the

absence of dimensions, or if discrepancies exist,

consult Architect. All minimum dimensions are to

comply with the National Building Code of Canada.

Submit shop drawings to the Architect and Engineer for

approval prior to manufacture of prefabricated elements

the work. It is the Builder's responsibility to gain

necessary approval from all relevant Authorities.

It is the Builder's responsibility to notify MacKay-Lyons

approval for materials and workmanship which deviates

0

NOTES:

Architects

Limited

scale: varies date: 16-07-04 drawn: DP

DIMENSIONS:

SHOP DRAWINGS:

of the building.

A101

Code Review

705 Exterior Walls:

705.2 Projections: Shall not extend closer to FSD than Table 705.2.

705.2.3 Combustible projections either: 1-hr rated construction, type V-B construction,

> 10 ft. exterior wall rated for exposure from inside only
 ≤ 10 ft. exterior wall rated for exposure from both sides

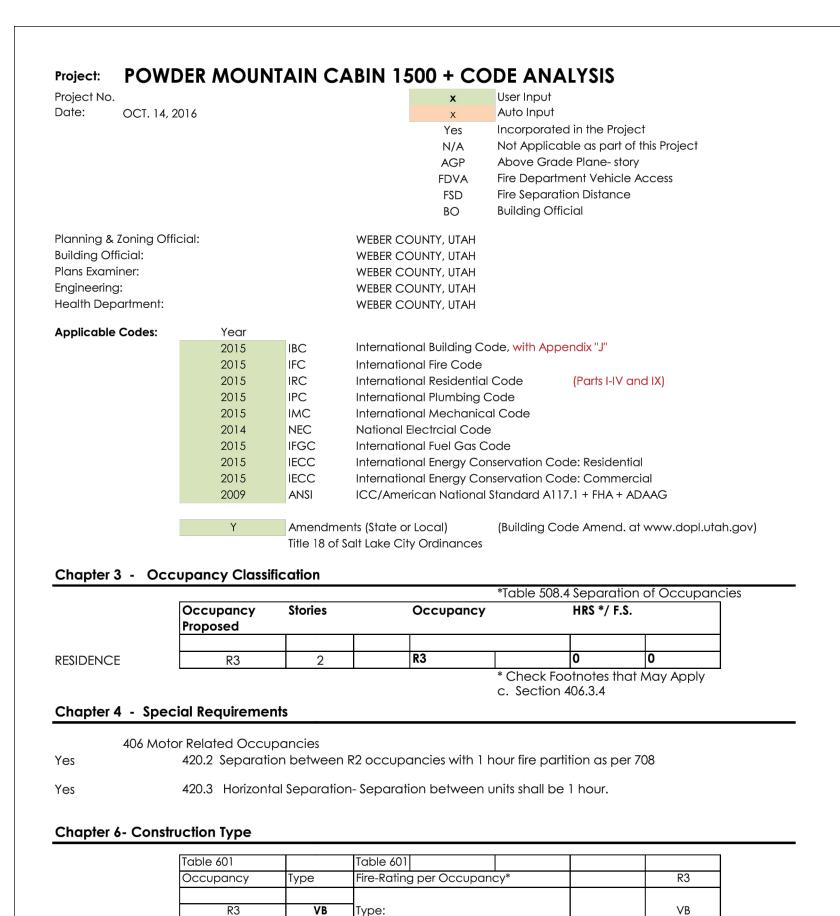
705.2.2 Type V-B of any approved material

705.5 Fire-resistance ratings:

nts

Separation Distance Plan Diagrams

Scale 1/32" = 1'-0"



	Structural Frame		C
,	Bearing Walls Ext.		0
	Bearing Walls Int.		C
•	Nonbearing walls & part at ext.		
	Nonbearing walls & part at int.		C
·	Floor Construction + Second. members		C
	Roof Construction + Second. members		C
	* Check footnotes that might apply	•	

IA, Others N/A IA, VA

Chapter 5 - General Building Heights and Areas Strategy

IBC 2015: Table 504.3, 504.	4, 506.2	IA, VA H _t	IA, VA S _t	IA/ VA A _t	A_{α}	Aα
Mark which Strategy Taken:	Occ	Height (ft)	Story	Area (sf)	Area (sf)	Area (sf)
Accessory Occ:						
	R3	55	4*	UNLIMITED		2,250
Incidental Acc. Occ:						
X Single Occ:						
Mixed Occ:						
Nonseparated Uses:			Insert e	each A _t		
Separated Uses:	* 4 STORIE	S ALLOWED WI	TH FIRE SPRINK	LERS PER NFPR 13 OR 13R		

<u>R1OCCUPANC`</u> 506.1 Area Cal			(10	otal Building)				
Aa	=	At	+	At If	+	At Is		
					-			
		Aa	=	Allowable Area per Tabular Area per		ro foot)		
		At If	=	Area increase du		16 1661)		
		ls	=	Area increase du	_	tection		
At	=	UNLIMITED	Table 50	3: Type V-B, Group	R3 NFPA 13R			
If	=	0.00	Sec. 506	.2 See calculation	below			
Is	=	UNLIMITED S	ec. 506.3	3 Fully Sprinkled: 20	00% for Multi-Stor	y Building / 30	00% for Single Sto	ory
Aa	=	UNLIMITED	+	0	0.0000	+	0	
Aa	=	UNLIMITED	+	0	+	0		
Aa	=	UNLIMITED	sf	ALLOWABLE ARI	EA PER FLOOR			
	x	2 N	Aultiply b	y number of stories	- 506.4 (Max. 30	0% increase)		
		UNLIMITED	sf	ALLOWABLE ARI	EA OF BUILDING			
ACTUAL AREA	< ALLOWABLE A	AREA PER FLOOR UNLIMITED		OK, ALLOWABLE	EXCEEDS ACTUA	L		
1,125				OK, ALLOWABLE	EXCEEDS ACTUA	L		
1,125 ACTUAL AREA		UNLIMITED AREA PER BUILDING						
1,125 ACTUAL AREA • 2,250	< ALLOWABLE /	UNLIMITED		OK, ALLOWABLE				
1,125 ACTUAL AREA < 2,250 506.2 Frontage	< ALLOWABLE /	UNLIMITED AREA PER BUILDING UNLIMITED	0.25	OK, ALLOWABLE				
1,125 ACTUAL AREA • 2,250	< ALLOWABLE /	UNLIMITED AREA PER BUILDING	0.25	OK, ALLOWABLE				
1,125 ACTUAL AREA < 2,250 506.2 Frontage	< ALLOWABLE /	UNLIMITED AREA PER BUILDING UNLIMITED F		OK, ALLOWABLE W 30				
1,125 ACTUAL AREA 2,250 506.2 Frontage	< ALLOWABLE / Increase =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of	due to fr	OK, ALLOWABLE W 30	EXCEEDS ACTUA	L	10 feet minimum	(feet)
1,125 ACTUAL AREA 2,250 506.2 Frontage If	< ALLOWABLE / Increase = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perimeter of en	due to fre eter which etire build	OK, ALLOWABLE W 30 ontage In fronts on a public	EXCEEDS ACTUAL	ace having 2	10 feet minimum	(feet)
1,125 ACTUAL AREA 2,250 506.2 Frontage If If F	< ALLOWABLE A Increase = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perimeter of en	due to fre eter which etire build	OK, ALLOWABLE W 30 ontage h fronts on a public	EXCEEDS ACTUAL	ace having 2	10 feet minimum	(feet)
1,125 ACTUAL AREA • 2,250 506.2 Frontage If If F P	< ALLOWABLE A Increase = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perimeter of en	due to fre eter which etire build	OK, ALLOWABLE W 30 ontage In fronts on a public	EXCEEDS ACTUAL	ace having 2	10 feet minimum	(feet)
1,125 ACTUAL AREA 2,250 506.2 Frontage If If F P W	< ALLOWABLE A Increase = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perimeter of en Width of public	due to fro eter which etire build way or o	OK, ALLOWABLE W 30 ontage In fronts on a public	EXCEEDS ACTUAL	ace having 2	10 feet minimum	(feet)
1,125 ACTUAL AREA 2,250 506.2 Frontage If If F P W F	< ALLOWABLE A Increase = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perime Perimeter of en Width of public	due to fro eter which etire build way or o	OK, ALLOWABLE W 30 ontage In fronts on a public	e way or open spen accordance w	ace having 2 vith 506.2.1		(feet)
1,125 ACTUAL AREA 2,250 506.2 Frontage If If F P W F P	< ALLOWABLE A Increase = = = = = = = =	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perimeter of en Width of public 85 122.5	due to fro eter which atire build way or o If If	OK, ALLOWABLE W 30 ontage In fronts on a publicating open space (feet)	e way or open spen accordance w	ace having 2 vith 506.2.1		(feet)
1,125 ACTUAL AREA 3 2,250 506.2 Frontage If If F P W F P W	ALLOWABLE A	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perime Perimeter of en Width of public 85 122.5 20	due to fro eter which tire build way or o If If	OK, ALLOWABLE W 30 ontage In fronts on a publication ding open space (feet) in (30 FT IS THE LARG	EXCEEDS ACTUAL way or open spen accordance way GEST NUMBER THA	ace having 2 vith 506.2.1		(feet)
1,125 ACTUAL AREA C 2,250 506.2 Frontage If If F P W F P W If	ALLOWABLE A	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perimeter of en Width of publice 85 122.5 20 85 122.5	due to free eter which tire build way or o If If ft +	OK, ALLOWABLE W 30 ontage In fronts on a publicating open space (feet) in (30 FT IS THE LARGE-0.25	e way or open sports accordance was seen sumber that the second seen seen accordance was seen accordance w	ace having 2 rith 506.2.1 AT CAN BE US	ED)	
1,125 ACTUAL AREA 3 2,250 506.2 Frontage If If F P W F P W	ALLOWABLE A	UNLIMITED AREA PER BUILDING UNLIMITED F P Area Increase of Building perime Perimeter of en Width of public 85 122.5 20	due to fro eter which tire build way or o If If	OK, ALLOWABLE W 30 ontage In fronts on a publication ding open space (feet) in (30 FT IS THE LARG	EXCEEDS ACTUAL way or open spen accordance was accordance way or open spen accordance was accor	ace having 2 vith 506.2.1		(feet) 0.6666

(Chp. 7)-	Fire-Resistance Rated Construction (List Items)
No	704.2 Column Protection:

> 10 ft. exterior wall rated for exposure from inside only

No	704.2 Column Protection: Primary structural frame individually protected.
No	704.3 Protection of the Primary Structural Frame other than columns: Requires individual protection when carry more than two floors or one floor and one roof.
No	704.10 Exterior Structural Members: Requires individual protection when carry more than two floors or one floor and one roof.
	705 Exterior Walls:
No	705.2 Projections: Shall not extend closer to FSD than Table 705.2.
Yes	705.2.2 Type V-B of any approved material
	705.2.3 Combustible projections either: 1-hr rated construction, type V-B construction,
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≤ 10 ft. exterior wall rated for exposure from both sides 712 Vertical Openings: 712.1.2 Two-story openings: Allowed within individual dwelling unit

718 Concealed Spaces: 718.2 Fireblocking: Required throughout.

718.3 Draftstopping in floors: 718.3.3: Exception- Not required if building equipped throughout with N/A an NFPA 13 automatic sprinkler system

718.4 Draftstopping in attics: N/A 718.4.3: Exception- Not required if building equipped throughout with an NFPA 13 automatic sprinkler system

Chapter 8 - Finishes

Table 803.	able 803.9 Interior Wall and Ceiling Finish Requirements by Occupancy: sprinklered				
Group	Exiting Elements	Corridors	Rooms & enclosed Spaces		
R3	В	С	С		

Chapter 9 - Fire Protection Systems

	903.2 Automatic Sprinkler Systems Where Required:				
L					
	R3	Required.			
	03.3.1 FS Standards: Install FS	G as per 903.3.1.1. 903.3.1.2 or 903.3.1.3:			

906.1 Portable Fire Extinguishers where required:

903.3.1.2 NFPA 13R sprinkler systems: Group R when ≤ 4 stories in height, 903.3.1.2.1 Balconies and decks: Provide FS when bldg is of Type V const.

903.3.2 Quick-response and residential sprinklers: Install FS as per 903.3.1 in Group R dwelling units.

Required per Dwelling Unit- 1-A:10-B:C

Class A, Ordinary Hazard: Max flr area/unit of A: 1,500 sf max tır area/extinguisner: 11,250 st Max travel distance: 75 ft.

907.2 Fire Alarm and Detection Systems- Where required: Installed as per IBC and NFPA 72 907.2.8: Not required, but exception 2 must be met

Chapter 10 - Means of Egress

Table 1004.1 - Occupant Load: See 'G' Sheets for floor plans showing occupant loads per space. 1005 Egress Width: 0.3 x OL for stairs and 0.2 x OL for other egress components- See 'G' Sheets for floor plans showing stairs and egress components and width required and provided. 1007 Accessible means of Egress

1007.1 Need (1) accessible means of egress/space or (2) per when two exits required. 1007.3 Stairways: Need clear width of 48" between handrails and incorporate 'area of refugees'.

Exception #2 & #3: 48" and 'Area of Refugees' not required when NFPA 13 installed. Table 1017.2 - Exit access travel distance R3 = 200' (NFPA 13R)

= 400' (NFPA 13) 1016.1 - Unenclosed Stairs: exception #3- travel distance shall be measured from the most remote point in the building to an exit discharge.

1022 Interior exit stairways and ramps: 1- 1022.2: 1-Hr fire barrier when ≤ 4 stories. 2- Construct as per 1022.2 - 1020.10.

(Chp. 11) Accessibility

1103 Scope:

1103.2.3 Detached One and Two Family dwellings are exempt from Chapter 11

1107.7 General Exceptions

1107.2.2 Multi-story units without elevator service are not required to have Type B, and are exempt.

(Chp 12) Interior Environment

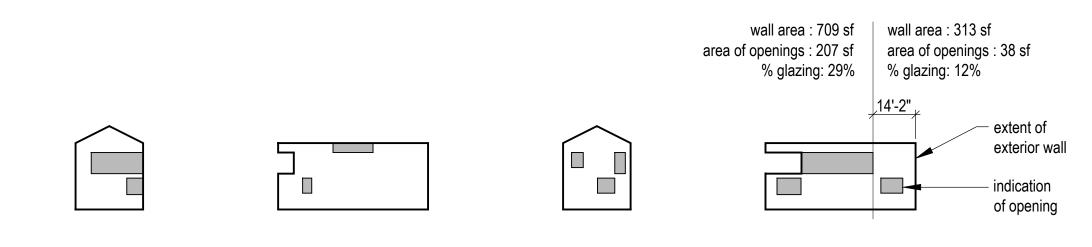
1207 Sound Transmission:

1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/celing assemblies that have an STC rating \geq 50 (45 if field tested).

1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/celing assemblies that have an IIC rating \geq 50 (45 if field tested).

building number	northwest corner natural grade elevation	northeast corner natural grade elevation	southwest corner natural grade elevation	southeast corner natural grade elevation	upper level floor elevation	height to building ridge	average building height (less than 35')
6	8783.00	8774.65	8774.90	8768.00	8791.00	8806.75	31.25
9	8773.20	8768.9	8766.60	8763.00	8783.00	8798.75	30.65
10	8754.75	8750.2	8747.75	8745.15	8767.00	8782.75	32.8
12	8805.60	8794.8	8799.35	8788.25	8815.00	8830.75	33.825
17	8793.05	8791.21	8786.25	8785.60	8806.00	8821.75	32.425
20	8728.10	8727.15	8724.95	8724.25	8745.00	8760.75	34.575

Height Restriction Chart



EAST ELEVATION

SOUTH ELEVATION

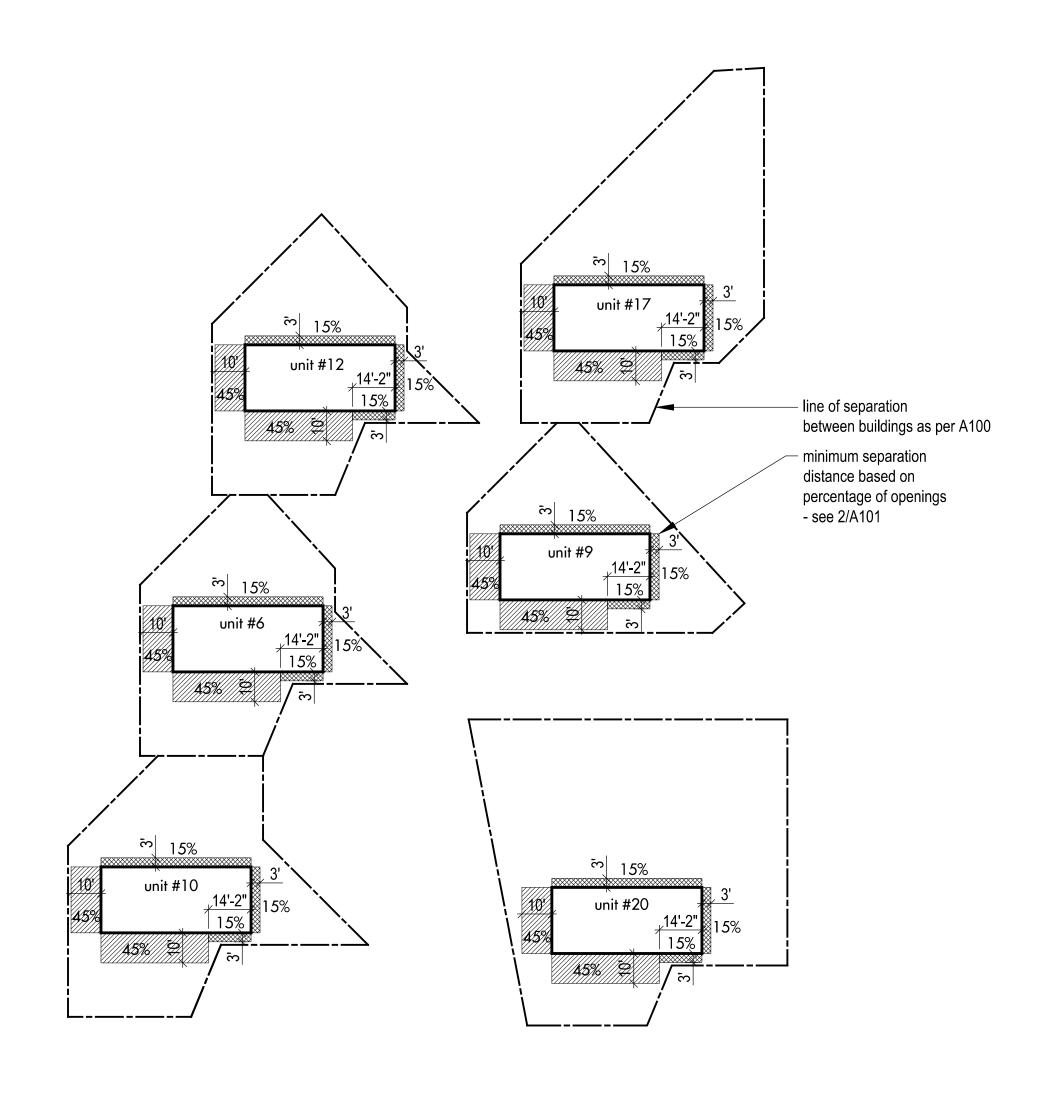
wall area: 561 sf wall area: 561 sf wall area: 1069 sf area of openings: 147 sf area of openings: 73 sf area of openings : 60 sf % glazing: 26% % glazing: 6% % glazing: 13%

NORTH ELEVATION

Percentage of Openings Elevation Diagrams

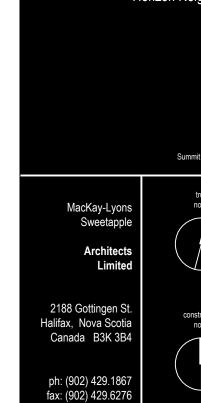
WEST ELEVATION

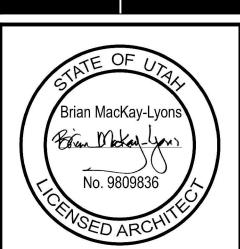
Scale 1/32" = 1'-0"



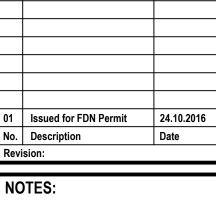
Separation Distance Plan Diagrams

Scale 1/32" = 1'-0"









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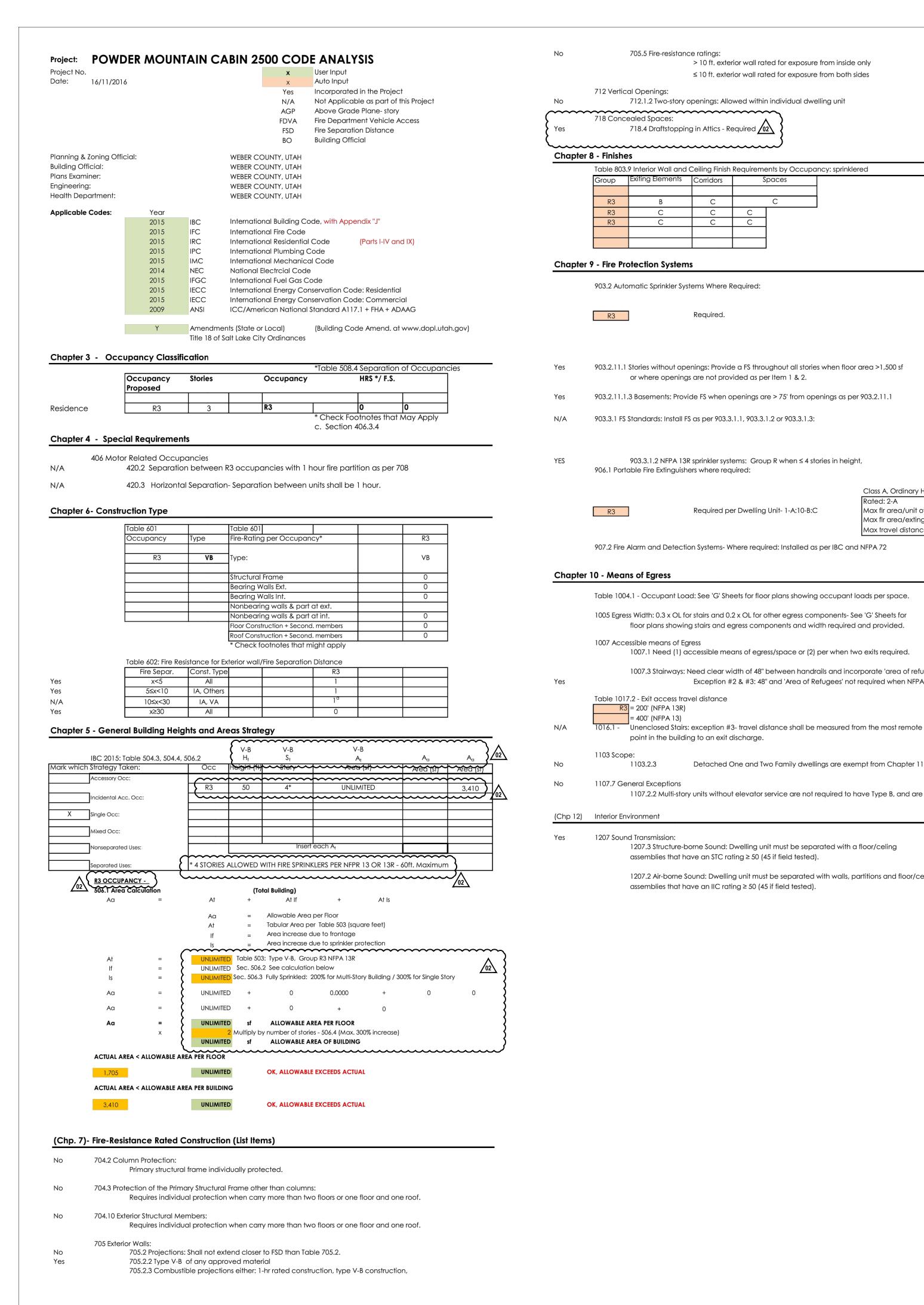
SHOP DRAWINGS: Submit shop drawings to the Architect and Engineer for approval prior to manufacture of prefabricated elements

comply with the National Building Code of Canada.

Cabin 1500 olus -Code Review

FSD, Finishes

of the building.



705.5 Fire-resistance ratings:

718.4 Draftstopping in Attics - Required 102

Required.

or where openings are not provided as per Item 1 & 2.

903.3.1.2 NFPA 13R sprinkler systems: Group R when ≤ 4 stories in height,

Required per Dwelling Unit- 1-A:10-B:C

floor plans showing stairs and egress components and width required and provided.

1007.1 Need (1) accessible means of egress/space or (2) per when two exits required.

R3 = 200' (NFPA 13R) = 400' (NFPA 13)

point in the building to an exit discharge.

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1207.2 Air-borne Sound: Dwelling unit must be separated with walls, partitions and floor/celing

1207.3 Structure-borne Sound: Dwelling unit must be separated with a floor/celing

assemblies that have an STC rating \geq 50 (45 if field tested).

assemblies that have an IIC rating \geq 50 (45 if field tested).

Class A, Ordinary Hazard:

Max travel distance: 75 ft.

Max flr area/unit of A: 1,500 sf

Max flr area/extinguisher: 11,250 sf

> 10 ft. exterior wall rated for exposure from inside only

≤ 10 ft. exterior wall rated for exposure from both sides

Spaces

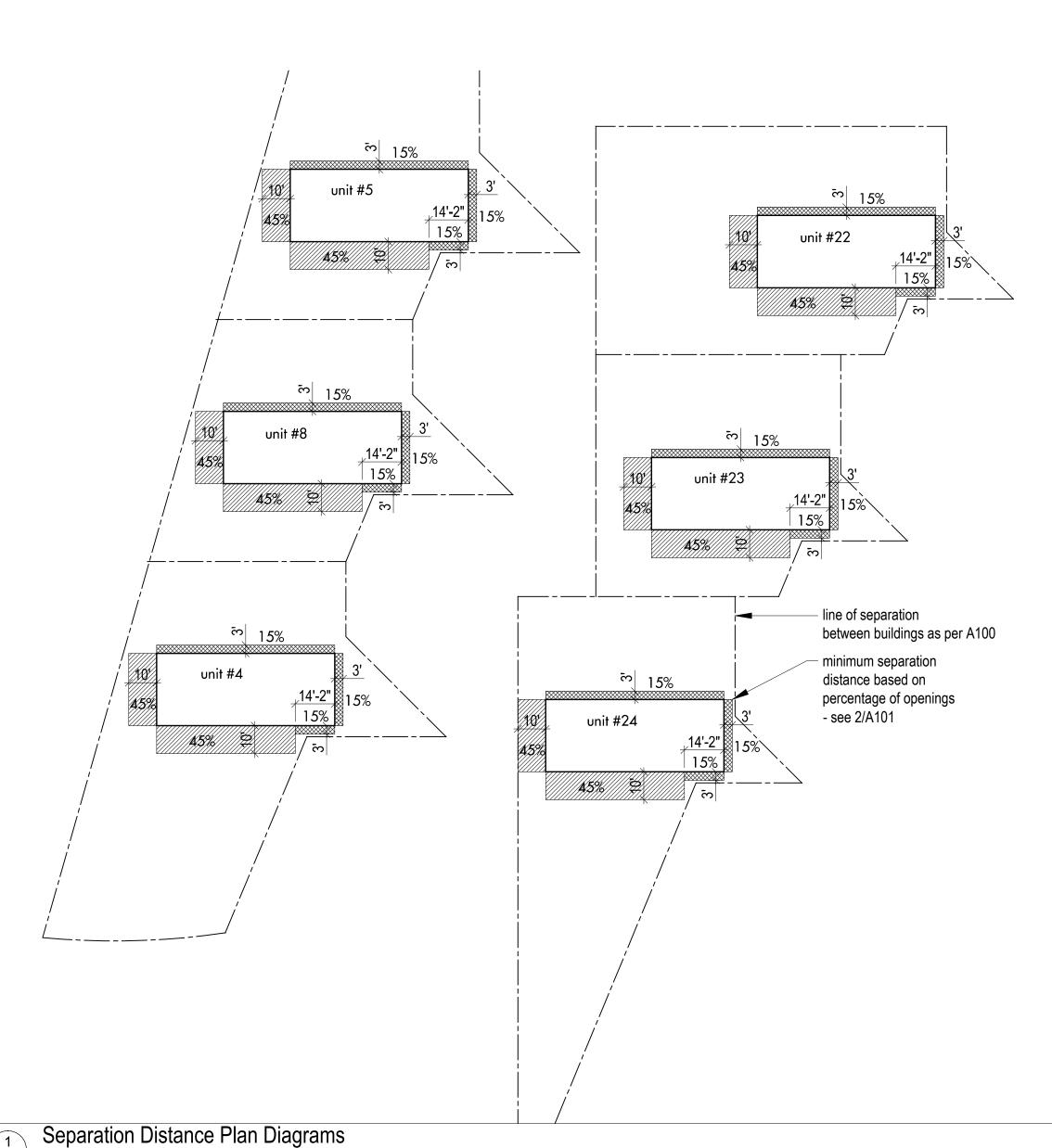
712.1.2 Two-story openings: Allowed within individual dwelling unit

building number	northwest corner natural grade elevation	northeast corner natural grade elevation	southwest corner natural grade elevation	southeast corner natural grade elevation	upper level floor elevation	height to building ridge	average building height (less than 35')
4	8753.35	8752.6	8744.45	8742.60	8764.00	8780.88	32.9
5	8813.05	8808.5	8805.10	8800.05	8824.00	8840.88	34.325
8	8784.30	8781.55	8775.60	8772.90	8794.00	8810.88	32.275
22	8729.35	8726.85	8724.05	8721.35	8743.00	8759.88	34.525
23	8717.80	8714.65	8714.10	8711.45	8730.00	8746.88	32.25
24	8704.45	8702.7	8698.75	8696.90	8716.00	8732.88	32.2

Height Restriction Chart

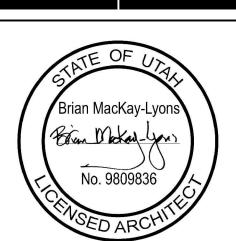


Percentage of Openings Elevation Diagrams Scale 1/32" = 1'-0"



MacKay-Lyons







02	Issued for FDN Permit	14.16.2016		
01	Issued for FDN Permit	14.10.2016		
No.	Description	Date		
Revision:				

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comply with the National Building Code of Canada.



drawn: DP

chk'd: BML