Climate Zone 1a

Envelope Component			Fenestration Window-Wall			ım Fenestratic 25% Window-Wa			Fenestration			High Fenestrat %-50% Window-Wa	
M/alla /a\		No Framing or	Metal Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Walls (a) Framed	Minimum R-Value	NA NA	0	or Framing	NA	0 Framing	or Framing 0	NA NA	or Framing O	or Framing 0	NA	or Fraining 0	or Framing
Any Spacing	viiriiintanii TX-Value	110	Ū	· I	NA.	ŭ	ı ı	l NA	Ů	Ů	I IVA	Ů	v
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
	Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
Masonry Walls(c)													
		No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5
Windows Maximum Solar Head	t Cain Coefficient	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
		Any	Any	Any	0.6	0.7	Any	0.4	0.5	0.6	0.3	0.4	0.5
M	aximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Obstitute (Lively Only of Dood Assoc)													
Skylight (Limit 3% of Roof Area)	aximum U-Factor		1			1			1			1	
Roof		Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	11		13	14		19	16		19	16		19
Nonwood Joist/Truss													
Concrete Slab or Deck	Minimum R-Value	12		13	15		19	17		25	17		25
Λ.	Minimum R-Value	11		NA	14		NA	16		NA	16		NA
Metal Purlin with Thermal Break	Minimum R-Value	12		19	15		25	17		25	17		25
Metal Purlin without Thermal Break													
^	Minimum R-Value	12		30	15		Х	17		Х	17		30
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss	dinimum D.Value	_		0							_		•
Nonwood Joist/Truss	Minimum R-Value	0		U	0		0	0		0	0		0
Concrete Slab or Deck	Minimum R-Value	0		0	0		0	0		0	0		0
	Minimum R-Value	0		NA	0		NA	0		NA	0		NA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
Λ	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 1b

Envelope Component		Fenestratio 6 Window-Wa			um Fenestration 25% Window-Wa			n Fenestration 40% Window-Wa			High Fenestrat -50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a)	Framing of		or Framing		ū	or Framing		or Framing	_	Framing	or Framing	_
Framed Minimum R-Value	NA	0	0	NA	0	0	NA	0	0	NA	0	0
Any Spacing												
CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b) All Other Minimum R-Value						0	_		•			
All Other Minimum R-Value Masonry Walls(c)	0	0	0	0	0	U	0	0	0	0	0	0
masoniy wans(c)												
	No	3.25	3.5	No	3.25	³.5	No	3.25	3.5	No	3.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient												
	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor												
	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
,												
Maximum U-Factor		1			1			1			1	
	<u> </u>									<u> </u>		4
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	14		19	14		19	14		19	14		19
Nonwood Joist/Truss												
Minimum R-Value	15		19	15		19	15		19	15		19
Concrete Slab or Deck Minimum R-Value	14		NA	14		NA	14		NA	14		NA
Metal Purlin with Thermal Break	14		NA .	14		NA .	14		NA .	14		NA
Minimum R-Value	15		25	15		25	15		25	15		25
Metal Purlin without Thermal Break												
Minimum R-Value	15		x	15		x	15		x	15		30
	0 "		2 "			0 ''	0 1		2 ''	0 "		0 "
Plana	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
Floor	insulation	Of	insulation	insulation	Or	insulation	insulation	Or	insulation	insulation	Of	insulation
All-Wood Joist/Truss						•						
Minimum R-Value Nonwood Joist/Truss	0		0	0		0	0		0	0		0
Minimum R-Value	0		0	0		0	0		0	0		0
Concrete Slab or Deck	_		•			•	•		•	_		•
Minimum R-Value	0		NA	0		NA	0		NA	0		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 2a

Envelope Component	(0-10%	Fenestratior 6 Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration			High Fenestrat 6-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a)	Framing of		or Framing		ū	or Framing	Framing o		or Framing	Framing	or Framing	or Framing
Framed Minimum R-Value	NA	0	0	NA	0	0	NA	0	0	NA	7	7
Any Spacing CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b)		U	· ·	1 "	U	٥	·	U	U	١ ،	U	U
All Other Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
Masonry Walls(c)	Ĭ	•			·	· ·		·	ŭ		· ·	ŭ
	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient	1 .										• •	
Maximum U-Factor	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6
Maximum 0-racion	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
	Ally	Ally	Ally	Ally	Ally	Ally	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
maximam o r dotor		•			•			•			•	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	modiation	<u>.</u>	modiation	caiation	<u>.</u>	modiano.	modiation	0.	modianon	mountain	9.	mountaion
Minimum R-Value	13		19	13		19	13		19	13		19
Nonwood Joist/Truss			10	- 10		10						
Minimum R-Value	14		19	14		19	14		19	14		19
Concrete Slab or Deck												
Minimum R-Value	13		NA	13		NA	13		NA	13		NA
Metal Purlin with Thermal Break												
Minimum R-Value	14		19	14		19	14		19	14		19
Metal Purlin without Thermal Break Minimum R-Value	14		x	14		х	14		х	14		25
Minimum K-Value	14		^	14		^	14		^	14		23
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	0		0	0		0	0		0	0		0
Nonwood Joist/Truss	1 .			I .			1		1			
Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck Minimum R-Value	0		NA	0		NA	0		NA	0		NA
iviii iii iii iii R-value			IVA			IVA			INA			INA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 2b

Envelope Component			Fenestration 6 Window-Wall			m Fenestratio			Fenestration			High Fenestrat %-50% Window-Wa	
M-II- (-)		No Framing	Metal	Wood or Framing	No Framing o	Metal	Wood or Framing	No	Metal	Wood or Framing	No	Metal or Framing	Wood
Walls (a) Framed	Minimum R-Value	Framing of NA	r Framing 0	or Framing 0	NA NA	or Framing o	or Framing 0	Framing o	or Framing of	or Framing 11	Framing NA	or Framing	or Framing 11
Any Spacing			•	_			-						
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
All Other	Minimum R-Value	0	0	0	0	0	0	5	11	11	5	11	11
Masonry Walls(c)													
		No	3.25	3.5	No	3.25	3.5 -	No	3.25	3.5	No	3.25	3.5
Windows Maximum Solar	Heat Gain Coefficient	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar I	neat Gain Coemcient	Any	Any	Any	0.5	0.6	0.7	0.5	0.6	0.7	0.4	0.5	0.7
	Maximum U-Factor	Any	Any	Any	Any	Anv	Any	0.7	0.7	0.7	0.7	0.7	0.7
		Ally	Ally	Ally	Ally	Any	Ally	0.7	0.7	0.7	0.7	0.1	0.7
Skylight (Limit 3% of Roof Are	ea)												
	Maximum U-Factor		1			1			1			1	
		Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum R-Value	16		19	16		19	16		19	16		19
Nonwood Joist/Truss	Minimum R-Value	17		25	17		25	17		25	17		25
Concrete Slab or Deck										-			
Metal Purlin with Thermal Break	Minimum R-Value	16		NA	16		NA	16		NA	16		NA
	Minimum R-Value	17		25	17		25	17		25	17		25
Metal Purlin without Thermal Break	Minimum R-Value	17		х	17		х	17		х	17		30
		Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss		—			-			_			—		
Concrete Slab or Deck	Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Stab of Deck	Minimum R-Value	1		NA	1		NA	1		NA	1		NA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
zago o. zacoment wand													
	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 3a

Envelope Component	(0-10%	Fenestratior 6 Window-Wall			m Fenestratio 25% Window-Wal			Fenestration			High Fenestrat 6-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a)	Framing or		or Framing		-	or Framing	Framing o	ū	or Framing	Framing		or Framing
Framed Minimum R-Value	NA	0	0	NA	0	0	NA	11	11	NA	11	11
Any Spacing CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b)		U	U	1 "	U	· ·	·	U	Ü		U	U
All Other Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
Masonry Walls(c)		·	·		·	· ·	·	•	· ·	· ·	·	·
	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient		_								1		
Maximum U-Factor	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-ractor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
	Ally	Ally	Ally	Ally	Ally	Ally	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	<u> </u>											
Roof	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation
All-Wood Joist/Truss												
Minimum R-Value	9		11	12		19	12		19	12		19
Nonwood Joist/Truss												
Minimum R-Value	10		11	13		19	13		19	13		19
Concrete Slab or Deck Minimum R-Value	9		NA	12		NA	12		NA	12		NA
Metal Purlin with Thermal Break	- 3		NA.	12		INA	12		NA.	12		INA
Minimum R-Value	10		13	13		19	13		19	13		19
Metal Purlin without Thermal Break												
Minimum R-Value	10		25	13		30	13		30	13		30
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	modiation	0.	modiumon.	ouidiioii	0.	modiation	modiation	0.	ouiution	modiation	U .	mountaion
Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss	T -			-			-					
Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck												
Minimum R-Value	2		NA	2		NA	2		NA	2		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 3b

Envelope Component	(0-10	Fenestration % Window-Wal			um Fenestratio 25% Window-Wa			n Fenestration 40% Window-Wa			High Fenestrat %-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a)	Framing of	ū	or Framing		ū	or Framing			or Framing	Framing	or Framing	or Framing
Framed Minimum R-Value	9 NA	0	0	NA	0	0	NA	0	0	NA	7	7
Any Spacing CMU, 8 in. or greater Minimum R-Value	9 0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b)	1 I "	U	۰		U	٠	ľ	U	٠	1 "	U	U
All Other Minimum R-Value	9 0	0	0	0	0	0	0	0	0	0	0	0
Masonry Walls(c)		-		-	-	-		-	-		-	-
		3.25	3		3.25	9.5		3 05	2		9.05	3.5
	No		3.5 Decisedian	No		3.5 Decidentian	No	3.25	3.5	No	3.25	
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficien			_							1	• •	
Maximum U-Facto	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6
iviaximum o-racio	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
		,	,		,	,						***
Skylight (Limit 3% of Roof Area)												
Maximum U-Facto	r	1			1			1			1	
	┦ ┗━━━											
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	9 12		19	12		19	12		19	12		19
Nonwood Joist/Truss												
Minimum R-Value	9 13		19	13		19	13		19	13		19
Concrete Slab or Deck Minimum R-Value	9 12		NA	12		NA	12		NA	12		NA
Metal Purlin with Thermal Break	12		NA NA	12		NA .	12		NA .	12		NA .
Minimum R-Value	9 13		19	13		19	13		19	13		19
Metal Purlin without Thermal Break	1											
Minimum R-Value	9 13		30	13		30	13		30	13		30
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	-											
Minimum R-Value	9 4		11	4		11	4		11	4		11
Nonwood Joist/Truss	1						·					
Minimum R-Value	9 4		11	4		11	4		11	4		11
Concrete Slab or Deck												
Minimum R-Valu	2		NA	2		NA	2		NA	2		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Valu	9	0			0			0			0	
iviiiiiiiiiiiii 1\- vaid	<u> </u>	v		L				· ·				

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 3c

Envelope Component			Fenestration 6 Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration Window-Wa			High Fenestrat %-50% Window-Wa	
		No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a) Framed	Minimum R-Value	Framing or NA	r Framing 0	or Framing 0	Framing (or Framing of	or Framing 0	Framing o	or Framing of	or Framing	Framing NA	or Framing	or Framing 11
Any Spacing		IVA	•	Ů	INA.		·	NA.			NA.	••	
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
• ` ` ` ` ` `	Minimum R-Value	0	0	0	0	0	0	5	11	11	5	11	11
Windows		No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Hea	at Gain Coefficient	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6
٨	Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)													
, , ,	Maximum U-Factor		1			1			1			1	
Roof		Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous	or	Roof Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	46		19	19		25	19		25	19		25
Nonwood Joist/Truss		16											
Concrete Slab or Deck	Minimum R-Value	17		25	20		25	20		25	20		25
Metal Purlin with Thermal Break	Minimum R-Value	16		NA	19		NA	19		NA	19		NA
	Minimum R-Value	17		25	20		30	20		30	20		30
Metal Purlin without Thermal Break	Minimum R-Value	17		x	20		х	20		х	20		38
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss	Minimum R-Value			11	4		11			11			11
Concrete Slab or Deck		4			4			4			4		
	Minimum R-Value	2		NA	2		NA	2		NA	2		NA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 4a

Envelope Component			Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal			n Fenestration			High Fenestrat %-50% Window-Wa	
Walls (a)		No Framing of	Metal r Framing	Wood or Framing	No Framing	Metal or Framing o	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
	Minimum R-Value	NA NA	0	0	NA	11	11	NA NA	11	11	NA	11	11
Any Spacing	Minimum R-Value		0	0		0		0			0	0	
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-value	0	U	0	0	U	0	0	0	0	I "	Ü	0
All Other Masonry Walls(c)	Minimum R-Value	0	0	0	0	0	0	5	11	11	5	11	11
Masonry Wans(c)			9			9			9			9	
Windows		No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Hea	at Gain Coefficient		•	•	-	•			•		_		
	Maximum U-Factor	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
	viaximam o r dotor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)													
٨	Maximum U-Factor		1			1			1			1	
		Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum R-Value	11		13	12		19	12		19	12		19
Nonwood Joist/Truss		40											
Concrete Slab or Deck	Minimum R-Value	12		13	13		19	13		19	13		19
Metal Purlin with Thermal Break	Minimum R-Value	11		NA	12		NA	12		NA	12		NA
	Minimum R-Value	12		19	13		19	13		19	13		19
Metal Purlin without Thermal Break	Minimum R-Value	12		30	13		30	13		30	13		30
		Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum D.Value			11			44			11	,		11
Nonwood Joist/Truss	Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck	Minimum R-Value	4		11	4		11	4		11	4		11
	Minimum R-Value	3		NA	3		NA	3		NA	3		NA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
	Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 4b

Envelope Component		Fenestration % Window-Wall			m Fenestratio			Fenestration			High Fenestrati -50% Window-Wa	
M-II- (- I.)	No Framing	Metal	Wood or Framing	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b) Framed Minimum Cavity R-Value (c)	Framing o	or Framing	or Framing 11	Framing o	or Framing of	or Framing 11	Framing o	or Framing of	or Framing 11	Framing NA	or Framing	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA	0	0	NA	0	0	NA	0	0	NA	3	0
CMU, 8 in. or greater Minimum Cavity R-Value with Integral Insulation(e) Minimum Continuous R-Value	NA 0	0	0	NA 0	0	0	NA 0	0 0	0	NA	0	0
All Other Minimum Continuous R-Value Minimum Cavity R-Value	0 NA	0	0	0 NA	0 11	0 11	NA	<u> </u>	0 11	0 NA	0 11	0 11
Masonry Walls(f) Minimum Continuous R-Value	0	0	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.4	0.5	0.6	0.4	0.5	0.6
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof All-Wood Joist/Truss	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
Minimum R-Value	16		19	16		19	16		19	16		19
Nonwood Joist/Truss Minimum R-Value	17		25	17		25	17		25	17		25
Concrete Slab or Deck Minimum R-Value	16		NA	16		NA	16		NA	16		NA
Metal Purlin with Thermal Break Minimum R-Value	17		25	17		25	17		25	17		25
Metal Purlin without Thermal Break Minimum R-Value	17		x	17		х	17		х	17		30
within it value	! !											
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	4		11	4		11	4		11	4		11
Nonwood Joist/Truss Minimum R-Value	4		11	4		11	4		11	4		11
Concrete Slab or Deck Minimum R-Value	1		NA NA	4		NA NA	4		NA NA	4		NA NA
William IV Value			IVA	7		INA			IVA			IVA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 5a

Envelope Component		Fenestration 6 Window-Wal	I Ratio)		ım Fenestration 25% Window-Wa	II Ratio)		Fenestratio	all Ratio)		High Fenestrat %-50% Window-Wa	all Ratio)
Walls (a)	No Framing of	Metal r Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Framed Minimum R-Value Any Spacing	NA	11	11	NA	11	11	NA	11	11	NA	11	11
CMU, 8 in. or greater Minimum R-Value with Integral Insulation(b)	0	0	0	0	0	0	0	0	0	0	0	0
All Other Minimum R-Value Masonry Walls(c)	0	0	0	5	11	11	5	11	11	5	11	11
Windows Various Color Vest Color Confficient	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient Maximum U-Factor	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
Roof	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	16		19	16		19	16		19
Nonwood Joist/Truss Minimum R-Value	15		19	17		25	17		25	17		25
Concrete Slab or Deck Minimum R-Value	14		NA	16		NA	16		NA	16		NA
Metal Purlin with Thermal Break Minimum R-Value	15		25	17		25	17		25	17		25
Metal Purlin without Thermal Break Minimum R-Value	15		х	17		x	17		x	17		30
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	5		11	5		11	5		11	5		11
Nonwood Joist/Truss Minimum R-Value	6		11	6		11	6		11	6		11
Concrete Slab or Deck Minimum R-Value	5		NA	5		NA	5		NA	5		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more, lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 5b

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration			High Fenestrati 50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a,b)	Framing o	•	or Framing		or Framing o	ū	Framing o	ū	or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA NA	11 0	11 0	NA NA	11 0	11	NA NA	11 0	11	NA NA	13 3	11 0
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	0	0	NA NA	11	0 11	NA NA	11	0 11	NA NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value	0	0	0	5	0	0	5 5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA NA	0	0	NA NA	11	11	NA NA	11	11	NA NA	11	11
Masonry Walls(f) Minimum Continuous R-Value	0	Ö	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Amir	Amir	Amu	0.6	0.7	Amu	0.4	0.5	0.6	0.4	0.5	0.6
Maximum U-Factor	Any	Any	Any	0.6	0.7	Any	0.4	0.5	0.6	0.4	0.5	0.0
Maximum o Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	15		19	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	14		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	15		25	20		30	20		30	20		30
Minimum R-Value	15		х	20		х	20		х	20		38
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	5		11	5		11	5		11	5		11
Nonwood Joist/Truss												
Minimum R-Value Concrete Slab or Deck	6		11	6		11	6		11	6		11
Minimum R-Value	5		NA	5		NA	5		NA	5		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 6a

Envelope Component		Fenestration % Window-Wall			m Fenestratio			Fenestration			ligh Fenestrati -50% Window-Wa	
Malla (a L)	No Framing	Metal	Wood	No Froming	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b) Framed Minimum Cavity R-Value (c)	Framing o	r Framing of	or Framing	Framing o	or Framing o	or Framing 11	Framing o	or Framing of	or Framing	Framing NA	or Framing of	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA	0	0	NA NA	0	0	NA NA	0	0	NA NA	3	0
CMU, 8 in. or greater Minimum Cavity R-Value	NA	0	0	NA	0	0	NA	0	0	NA	0	0
with Integral Insulation(e) Minimum Continuous R-Value All Other Minimum Cavity R-Value	0 NA	0	0	0 NA	0 11	0 11	0 NA	0 11	0 11	0 NA	0 11	0 11
Masonry Walls(f) Minimum Continuous R-Value	0	0	0	5 5	0	0	5 5	0	0	5 5	0	0
	No	3.25	3.5	No	3.25	3 .5	No	3.25	3.5	No	3.25	3.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.7	Any	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
		•	-									
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	10		11	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	11		13	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	10		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break	10		INA	13		NA.	13		NA.	- 13		IVA
Minimum R-Value	11		19	20		30	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	11		25	20		х	20		х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	7		11	7		11	7		11	7		11
Nonwood Joist/Truss Minimum R-Value	8		11	8		11	8		11	8		11
Concrete Slab or Deck												
Minimum R-Value	7		NA	7		NA	7		NA	7		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 6b

Envelope Component		Fenestration			m Fenestration			h Fenestration 40% Window-Wa			High Fenestrat %-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a) Framed Minimum R-Value	Framing or NA	Framing 11	or Framing	Framing o	r Framing	or Framing	Framing	or Framing	or Framing	Framing NA	or Framing	or Framing 11
Any Spacing	NA	""	"	NA NA	11	''	NA NA	11	"	NA	"	"
CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	0	0	0	0	0	0
with Integral Insulation(b) All Other Minimum R-Value	0	0	0	5	11	11	5	11	11	5	11	11
Masonry Walls(c)	Ů		ŭ			• •		•••	• •	ŭ		• • •
Windows Maximum Solar Heat Gain Coefficient	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
waximum Solai Fleat Gain Coemclent	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.7	0.7	0.7	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		1			1			1			1	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	16		19	16		19	19		25	19		25
Nonwood Joist/Truss												
Minimum R-Value Concrete Slab or Deck	17		25	17		25	20		25	20		25
Minimum R-Value	16		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break Minimum R-Value	17		25	17		25	20		30	20		30
Metal Purlin without Thermal Break												
Minimum R-Value	17		Х	17		Х	20		Х	20		38
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	6		11	6		11	6		11	6		11
Nonwood Joist/Truss Minimum R-Value	6		11	6		11	6		11	6		11
Concrete Slab or Deck	•			-			-					- ''
Minimum R-Value	6		NA	6		NA	6		NA	6		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 7a

Envelope Component	(0-10	Fenestration % Window-Wal			um Fenestratio 25% Window-Wal			Fenestration			High Fenestrat %-50% Window-Wa	
Wells (s)	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing o	Wood or Framing	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Walls (a)	_		_			-						
Framed Minimum R-Value Any Spacing	• NA	11	11	NA	11	11	NA	11	11	NA	11	11
CMU, 8 in. or greater Minimum R-Value	0	0	0	0	0	0	5	11	11	5	11	11
with Integral Insulation(b)	11	Ū	·	·	Ū	٠	ı ,	•••				
All Other Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
Masonry Walls(c)												
		3.25	3		3.25	9.5		3.25	2		3.25	3.5
Martin Annua	No Projection	Projection	3.5 Projection	No Projection	Projection	3.5 Projection	No Projection	Projection	3.5 Projection	No Projection	Projection	Projection
Windows		Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficien			_				1					
Maximum U-Facto	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum 0-Facto	Any	Any	Any	0.7	0.7	0.7	0.7(d)	0.7(d)	0.7(d)	0.7	0.7	0.7
	Ally	Ally	Ally	0.7	0.7	0.7	0.7(u)	0.7 (u)	0.7(u)	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Facto	r	0.8			0.8			0.8			0.8	
	J L											
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	14		19	19		25	19		25	19		25
Nonwood Joist/Truss												
Minimum R-Value	15		19	20		25	20		25	20		25
Concrete Slab or Deck	11											
Minimum R-Value Metal Purlin with Thermal Break	14		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break Minimum R-Value	15		25	20		30	20		30	20		30
Metal Purlin without Thermal Break	1 13		23	20		30	20		30	20		30
Minimum R-Value	15		х	20		x	20		x	20		38
				-								
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	11 _			_						_		
Minimum R-Value Nonwood Joist/Truss	8		11	8		11	8		11	8		11
Minimum R-Value	9		11	9		11	9		11	9		11
Concrete Slab or Deck	1 -			-		- ''	- 3			- 3		
Minimum R-Value	8		NA	8		NA	8		NA	8		NA
Old Elm or Brown of Wells		Insulation			Insulation			Insulation			Insulation	
Slab Edge or Basement Walls	1										IIISUIAUOII	
Minimum R-Value	e .	0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.
- (d) For buildings over 3 stories in height, the maximum U-factor shall be 0.60.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 7b

Envelope Component		Fenestration % Window-Wall			ım Fenestratio			Fenestration			High Fenestrati %-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b)	Framing o		or Framing		•	or Framing	Framing o	•	or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA NA	11	11 0	NA	11	11	NA	13	13	NA	13	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	0	0	NA NA	0 11	0 11	NA NA	0 11	0 11	NA NA	3 11	0 11
with Integral Insulation(e) Minimum Continuous R-Value	0	0	ő	5	0	0	5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	13	11	NA NA	13	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	6	0	0	6	0	0
	No Projection	3.25 Projection	3.5	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Windows Maximum Solar Heat Gain Coefficient	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum U-Factor	Any	Any	Any	0.7	0.7	0.7	0.7(g)	0.7(g)	0.7(g)	0.7	0.7	0.7
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	19		25	19		25	19		25
Nonwood Joist/Truss												
Minimum R-Value Concrete Slab or Deck	15		19	20		25	20		25	20		25
Minimum R-Value	14		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break	- ''											
Minimum R-Value	15		25	20		30	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	15		x	20		х	20		х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	7		11	7		11	7		11	7		11
Nonwood Joist/Truss Minimum R-Value	8		11	8		11	8		11	8		11
Concrete Slab or Deck							8					
Minimum R-Value	8		NA	8		NA	8		NA	8		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- (g) For buildings over 3 stories in height, the maximum U-factor shall be 0.60.
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 8

Envelope Component			Fenestratio			um Fenestratio -25% Window-Wa			Fenestratio			High Fenestr %-50% Window-	
		No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a)		Framing or		or Framing			or Framing	Framing o		or Framing	Framing	or Framing	
Framed Any Spacing	Minimum R-Value	NA	11	11	NA	13	11	NA	13	11	NA	13	11
CMU, 8 in. or greater	Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
with Integral Insulation(b)													
All Other Masonry Walls(c)	Minimum R-Value	5	11	11	6	13	11	6	13	11	6	13	11
Windows		No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
	leat Gain Coefficient	.,	.,	.,	.,	.,	.,	.,	,,,,,,	,,,,,,	.,	.,	.,
		Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
	Maximum U-Factor	Any	Any	Any	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Are	a)												
	Maximum U-Factor		0.8			0.8			0.8			0.8	
		Continuous Insulation		Roof Cavity Insulation	Continuous Insulation		Roof Cavity Insulation	Continuous Insulation		Roof Cavity Insulation	Continuous	or	Roof Cavity Insulation
Roof All-Wood Joist/Truss		insulation	or	insulation	insulation	or	insulation	insulation	or	insulation	insulation	Or .	insulation
All-Wood Joist/Truss	Minimum R-Value	14		19	19		25	19		25	19		25
Nonwood Joist/Truss													
Concrete Slab or Deck	Minimum R-Value	15		19	20		25	20		25	20		25
Concrete Glas of Seek	Minimum R-Value	14		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break													
Metal Purlin without Thermal Break	Minimum R-Value	15		25	20		30	20		30	20		30
	Minimum R-Value	15		х	20		х	20		Х	20		38
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss													
Nonwood Joist/Truss	Minimum R-Value	9		11	9		11	9		11	9		11
	Minimum R-Value	10		11	10		11	10		11	10		11
Concrete Slab or Deck	Minimum R-Value	9		NA	9		NA	9		NA	9		NA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
Jas Lago of Bacomont Walls													
	Minimum R-Value		0			0			0		L	0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 9a

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wall			Fenestration			High Fenestrati %-50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a,b)	Framing o	•	or Framing		or Framing o	•	Framing o		or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA NA	11 0	11 0	NA NA	11 0	11	NA NA	13 0	11	NA NA	13 11	13 5
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	0	0	NA NA	11	0 11	NA NA	11	0 11	NA NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value	0	0	ŏ	5 5	0	0	5 5	0	0	5 5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	11	11	NA NA	11	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	•	•	,		,	-	,			-	,	
Maximum U-Factor	Any	Any	Any	Any	Any	Any	0.6	0.7	Any	0.5	0.7	8.0
Maximum o-ractor	Any	Any	Any	0.7	0.7	0.7	0.7(g)	0.7(g)	0.7(g)	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	13		19	16		19	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	14		19	17		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	13		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value	14		19	17		25	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	14		х	17		х	20		х	20		38
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss	caiaiicii	<u>.</u>	caiaiio	moundion	0.	modiation	modiation	0.	modianon	moulation	<u>.</u>	modianon
Minimum R-Value	12		13	12		13	12		13	12		13
Nonwood Joist/Truss Minimum R-Value	12		13	12		13	12		13	12		13
Concrete Slab or Deck Minimum R-Value	12		NA	12		NA	12		NA	12		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

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- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- (g) For buildings over 3 stories in height, the maximum U-factor shall be 0.60.
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 9b

Envelope Component		Fenestration % Window-Wall			n Fenestratio 5% Window-Wal			Fenestration			High Fenestrati -50% Window-Wa	
	No No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No No	Metal	Wood
Walls (a,b)	Framing o	•	or Framing	Framing o		or Framing	Framing o		or Framing	Framing	or Framing	or Framing
Framed Minimum Cavity R-Value (c)	NA	11	11	NA	11	11	NA NA	13	11	NA	13 5	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	0 11	0 11	NA NA	0 11	0 11	NA NA	<u>0</u> 11	0 11	NA NA	11	3 11
with Integral Insulation(e) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA	11	11	NA	11	11	NA	13	11	NA	13	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	6	0	0	6	0	0
	No	³.25	³.5	No	3.25	3.5	No	3.25	3.5	No	³.25	³.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum U-Factor	Ally	Ally	Ally	0.5	0.0	0.7	0.4	0.5	0.0	0.5	0.4	0.5
	Any	Any	Any	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	15		19	19		25	19		25	19		25
Nonwood Joist/Truss												
Minimum R-Value	16		19	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	15		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value	16		25	20		30	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	16		х	20		х	20		х	20		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	11		13	11		13	11		13	11		13
Nonwood Joist/Truss Minimum R-Value	12		13	12		13	12		13	12		13
Concrete Slab or Deck												
Minimum R-Value	12		NA	12		NA	12		NA	12		NA
Clab Edge or Becoment Wells		Insulation			Insulation			Insulation			Insulation	
Slab Edge or Basement Walls		mouldion			moulation			mouldtion			msulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 10a

Envelope Component		Fenestration 6 Window-Wall			n Fenestratio 5% Window-Wal			Fenestration			High Fenestrati 6-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b) Framed Minimum Cavity R-Value (c)	Framing o	r Framing o	or Framing	Framing or NA	r Framing o	or Framing 11	Framing o	r Framing o	or Framing 11	Framing NA	or Framing	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA NA	0	0	NA NA	0	0	NA NA	0	0	NA NA	3	0
CMU, 8 in. or greater Minimum Cavity R-Value	NA	0	0	NA	11	11	NA	11	11	NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value All Other Minimum Cavity R-Value	0 NA	0 11	0 11	5 NA	0 11	0 11	5 NA	0 11	0 11	5 NA	0 11	0 11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.5	0.6	0.7
Maximum U-Factor	Any	Any	Any	0.7	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	16		19	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	15		19	17		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	14		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	15		25	17		25	20		30	20		30
Minimum R-Value	15		X	17		X	20		X	20		30
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	13		19	13		19	13		19	13		19
Nonwood Joist/Truss Minimum R-Value	13		19	13		19	13		19	13		19
Concrete Slab or Deck Minimum R-Value	13		NA	13		NA	13		NA	13		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
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- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 10b

Envelope Component		Fenestration			um Fenestratio 25% Window-Wal			Fenestration			High Fenestrat %-50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a) Framed Minimum R-Value	Framing of	r Framing 11	or Framing	Framing NA	or Framing of	or Framing	Framing o	ū	or Framing 11	Framing NA		or Framing
Any Spacing	NA	11	11	NA	11	11	NA	11	11	NA	11	11
CMU, 8 in. or greater Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
with Integral Insulation(b) All Other Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
Masonry Walls(c)	Ů			Ů	•••	••	Ů	•••	••	Ů		•••
	No	3.25	3.5	No	3.25	³ .5	No	3.25	3.5	No	3.25	³.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum U-Factor		-	-									
	Any	Any	Any	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	17		19	19		25	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	18		25	20		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	17		NA	19		NA	19		NA	19		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	18		30	20		30	20		30	20		30
Minimum R-Value	18		Х	20		Х	20		Х	20		30
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	12		19	12		19	12		19	12		19
Nonwood Joist/Truss												
Minimum R-Value Concrete Slab or Deck	13		19	13		19	13		19	13		19
Minimum R-Value	13		NA	13		NA	13		NA	13		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 11a

Envelope Component		Fenestration Window-Wall			ım Fenestratio 25% Window-Wal			Fenestratior			High Fenestrati -50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a)	Framing or	ū	or Framing		or Framing o	•	Framing o		or Framing	Framing	•	or Framing
Framed Minimum R-Value Any Spacing	NA	11	11	NA	11	11	NA	11	11	NA	13	11
CMU, 8 in. or greater Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
with Integral Insulation(b) All Other Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
Masonry Walls(c)	5	11	"	5	!!	11	3	- 11	!!	3	11	11
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	Trojection	rrojection	1 TOJECTION	Trojection	riojection	riojection	Trojection	rrojection	riojection	Trojection	rojection	rrojection
	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.5	0.6	0.7
Maximum U-Factor	Any	Any	Any	0.7	0.7	0.7	0.6	0.6	0.6	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	16		19	19		25	19		25
Nonwood Joist/Truss Minimum R-Value	15		19	17		25	20		25	20		25
Concrete Slab or Deck Minimum R-Value	14		NA	16		NA	19		NA	19		NA
Metal Purlin with Thermal Break	14		INA	- 10		INA	19		NA	13		INA
Minimum R-Value	15		25	17		25	20		30	20		30
Metal Purlin without Thermal Break Minimum R-Value	15		х	17		х	20		х	20		30
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss	44		40	44		40	44		40	44		40
Minimum R-Value Nonwood Joist/Truss	14		19	14		19	14		19	14		19
Minimum R-Value	14		19	14		19	14		19	14		19
Concrete Slab or Deck Minimum R-Value	14		NA	14		NA	14		NA	14		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			0			0	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 11b

Envelope Component		Fenestration % Window-Wall			m Fenestratio			Fenestration			ligh Fenestrati -50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b) Framed Minimum Cavity R-Value (c)	Framing o	or Framing 11	or Framing	Framing o	or Framing of	or Framing 11	Framing o	or Framing of	or Framing	Framing NA	or Framing of	or Framing 11
Any Spacing Minimum Continuous R-Value (d)	NA	0	0	NA	0	0	NA	0	0	NA	3	0
CMU, 8 in. or greater Minimum Cavity R-Value	NA -	11	11	NA -	11	11	NA .	11	11	NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value All Other Minimum Cavity R-Value	5 NA	0 11	0 11	5 NA	0 11	0 11	5 NA	0 11	0 11	5 NA	0 11	0 11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
	No	3.25	³.5	No	3.25	3.5	No	³.25	³.5	No	³.25	³.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
Maximum U-Factor	Any	Any	Any	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	18		25	19		25	23		30	23		30
Nonwood Joist/Truss Minimum R-Value	19		25	20		25	24		30	24		30
Concrete Slab or Deck Minimum R-Value	18		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	19		30	20		30	24		Х	24		30
Metal Purlin without Thermal Break Minimum R-Value	19		х	20		х	24		х	24		38
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	14		19	14		19	14		19	14		19
Nonwood Joist/Truss Minimum R-Value	15		19	15		19	15		19	15		19
Concrete Slab or Deck Minimum R-Value			NA	15		NA	15		NA	15		NA NA
watiintum K-value	1 1		INO	13		IVA	-19		INA	-15		IVA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 12a

Envelope Component			Fenestratior 6 Window-Wall			ium Fenestratic -25% Window-Wa			Fenestration 0% Window-Wa			High Fenestrat %-50% Window-Wa	
MAI-11- (-)		No Framing or	Metal r Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing
Walls (a) Framed	Minimum R-Value	Framing or NA	Framing 11	or Framing	Praming NA	or Framing	or Framing	Framing o	r Framing 11	or Framing	Praming NA	or Framing	or Framing
Any Spacing	wiiniinum K-vaiue	NA.	"	''	NA.		"	NA.	"	"	NA.	13	"
CMU, 8 in. or greater with Integral Insulation(b)	Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
All Other Masonry Walls(c)	Minimum R-Value	5	11	11	5	11	11	5	11	11	5	11	11
massing transfer			3.05	9.5		9.05	3.5		3.05	9.5		9.05	3.5
Windows		No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar I	Heat Gain Coefficient	Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7
	Maximum U-Factor		Any	Any	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4
		Any	Ally	Ally	0.0	0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.4
Skylight (Limit 3% of Roof Are	ea)												
	Maximum U-Factor		0.8			0.8			0.8			0.8	
		Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous	3	Roof Cavity
Roof		Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss	Minimum R-Value	16		19	19		25	23		30	23		30
Nonwood Joist/Truss	Minimum R-Value	17		25	20		25	24		30	24		30
Concrete Slab or Deck	Minimum R-Value	16		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break	Minimum R-Value	17		25	20		30	24		X	24		30
Metal Purlin without Thermal Break		17		25	20		30	24			24		30
	Minimum R-Value	17		Х	20		X	24		Х	24		38
Floor		Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or or	Cavity Insulation
All-Wood Joist/Truss	Minimum R-Value	16		19	16		19	16		19	16		19
Nonwood Joist/Truss	Minimum R-Value	16		19	16		19	16		19	16		19
Concrete Slab or Deck	Minimum R-Value	16		NA	16		NA	16		NA	16		NA
	wiiiiiiiiiiii N-value	10		IVA	10		IVA	10		INA	10		IVA
Slab Edge or Basement Walls			Insulation			Insulation			Insulation			Insulation	
	Minimum R-Value		0			0			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 12b

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration 0% Window-Wal			High Fenestrat %-50% Window-Wa	
	No .	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No .	Metal	Wood
Walls (a,b)	Framing o		or Framing		or Framing o	•	Framing o	-	or Framing	Framing	ū	or Framing
Framed Minimum Cavity R-Value (c)	NA NA	11 0	11 0	NA NA	11 0	11	NA NA	11 0	11	NA NA	13 3	13 0
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	11	11	NA NA	11	0 11	NA NA	11	0 11	NA NA	3 11	11
with Integral Insulation(e) Minimum Continuous R-Value	5	0	0	5	0	0	5 5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	11	11	NA.	11	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient	110,000.0		1 10,000.011		110,000.0			1 10,000.011			110,000.011	
Maximum U-Factor	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.3	0.4	0.5
ividximum o r dotor	Any	Any	Any	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	16		19	19		25	23		30	23		30
Nonwood Joist/Truss Minimum R-Value	17		25	20		25	24		30	24		30
Concrete Slab or Deck Minimum R-Value	16		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break	10		NA.	- 13		NA.	23		NA.			INA
Minimum R-Value	17		25	20		30	24		х	24		38
Metal Purlin without Thermal Break Minimum R-Value	17		х	20		х	24		х	24		49
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	15		19	15		19	15		19	15		19
Nonwood Joist/Truss	15		19	15		19	15		19	15		19
Minimum R-Value	16		19	16		19	16		19	16		19
Concrete Slab or Deck Minimum R-Value	16		NA	16		NA	16		NA	16		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 13a

Envelope Component	Low Fenestration Area (0-10% Window-Wall Ratio)				um Fenestratio 25% Window-Wall			Fenestration		Very High Fenestration Area (40%-50% Window-Wall Ratio)			
Walle (a)	No Framing	Metal or Framing	Wood or Framing	No Framing	Metal or Framing of	Wood or Framing	No Framing o	Metal or Framing	Wood or Framing	No Framing	Metal or Framing	Wood or Framing	
Walls (a) Framed Minimum R-Valu		13	11	NA	13	11	NA NA	13	or Frailing	NA	13	or Frailing	
Any Spacing													
CMU, 8 in. or greater Minimum R-Value with Integral Insulation(b)	<i>ie</i> 5	11	11	5	11	11	5	11	11	5	11	11	
All Other Minimum R-Valu	ie 5	11	11	5	11	11	5	11	11	5	11	11	
Masonry Walls(c)													
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	
Maximum Solar Heat Gain Coefficie	nt Any	Any	Any	0.6	0.7	Any	0.5	0.6	0.7	0.4	0.5	0.7	
Maximum U-Fact	or 0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	
Skylight (Limit 3% of Roof Area)													
Maximum U-Fact	or	0.8			0.8			0.8			0.8		
			D (0 %	2 "		2 (0 "	2 :		2 (2)	2 "		D (0 %	
Roof	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	Continuous Insulation	or	Roof Cavity Insulation	
All-Wood Joist/Truss Minimum R-Value	ıe 14		19	19		25	23		30	23		30	
Nonwood Joist/Truss Minimum R-Valu	ıe 15		19	20		25	24		30	24		30	
Concrete Slab or Deck Minimum R-Valu	ıe 14		NA	19		NA	23		NA	23		NA	
Metal Purlin with Thermal Break Minimum R-Valu	ıe 15		25	20		30	24		х	24		30	
Metal Purlin without Thermal Break Minimum R-Valu			х	20		х	24		х	24		38	
INITITITITITITITITITITITITITITITITITITI				-			-		-	-			
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	
All-Wood Joist/Truss	1												
Minimum R-Valu Nonwood Joist/Truss	<i>1</i> 6		19	16		19	16		19	16		19	
Minimum R-Valu	ıe 17		25	17		25	17		25	17		25	
Concrete Slab or Deck Minimum R-Valu	ıe 17		NA	17		NA	17		NA	17		NA	
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation		
	1										IIISulatiOII		
Minimum R-Valu	ie	0			0			8			8		

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (c) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.

- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 13b

Envelope Component		Fenestration Window-Wall			m Fenestratio			Fenestration			ligh Fenestrati -50% Window-Wa	
	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a,b)			or Framing	Framing o		•	Framing o		or Framing		•	or Framing
Framed Minimum Cavity R-Value (c) Any Spacing Minimum Continuous R-Value (d)	NA NA	13 0	11 0	NA NA	13 0	11 0	NA NA	13 0	11 0	NA NA	13 7	13 3
CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	11	11	NA NA	11	11
with Integral Insulation(e) Minimum Continuous R-Value	5	0	0	5	0		5	0	0	5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	11	11	NA NA	11	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
	No	³.25	3.5	No	3.25	3.5	No	3.25	3 _{.5}	No	3.25	³.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient												
	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6
Maximum U-Factor	Any	Any	Any	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
	Ally	Ally	Ally	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	18		25	19		25	23		30	23		30
Nonwood Joist/Truss	10		25	19		25	23		30	23		30
Minimum R-Value	19		25	20		25	24		30	24		30
Concrete Slab or Deck												
Minimum R-Value Metal Purlin with Thermal Break	18		NA	19		NA	23		NA	23		NA
Minimum R-Value	19		30	20		30	24		х	24		38
Metal Purlin without Thermal Break												
Minimum R-Value	19		X	20		X	24		Х	24		49
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	17		19	17		19	17		19	17		19
Nonwood Joist/Truss Minimum R-Value	17		25	17		25	17		25	17		25
Concrete Slab or Deck	- ''		25	- ''		20	''		25	- 17		20
Minimum R-Value	17		NA	17		NA	17		NA	17		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			0			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 14a

Envelope Component		Fenestration % Window-Wall			m Fenestratio			Fenestration		Very High Fenestration Area (40%-50% Window-Wall Ratio)			
Melle (- L)	No Framing o	Metal r Framing	Wood or Framing	No Framing o	Metal or Framing o	Wood or Framing	No Framing o	Metal	Wood or Framing	No	Metal	Wood or Framing	
Walls (a,b) Framed Minimum Cavity R-Value (c)	NA NA	13	or Framing 11	NA NA	13	11	NA NA	13	or Framing 11	NA	or Framing 1	or Framing 11	
Any Spacing Minimum Continuous R-Value (d)	NA	3	0	NA	3	0	NA	3	0	NA	3	0	
CMU, 8 in. or greater Minimum Cavity R-Value with Integral Insulation(e) Minimum Continuous R-Value	NA 5	11 0	11 0	NA 5	11 0	11 0	NA 5	11 0	11 0	NA 5	11 0	11 0	
All Other Minimum Cavity R-Value	NA	11	11	NA	11	11	NA	11	11	NA	11	11	
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0	
	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	No	3.25	3.5	
Windows Maximum Solar Heat Gain Coefficient	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	
	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6	
Maximum U-Factor	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	
Skylight (Limit 3% of Roof Area)													
Maximum U-Factor		0.8			0.8			0.8			0.8		
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	
All-Wood Joist/Truss Minimum R-Value	17		19	19		25	23		30	23		30	
Nonwood Joist/Truss Minimum R-Value	18		25	20		25	24		30	24		30	
Concrete Slab or Deck Minimum R-Value	17		NA	19		NA	23		NA NA	23		NA	
Metal Purlin with Thermal Break													
Minimum R-Value Metal Purlin without Thermal Break	18		30	20		30	24		Х	24		38	
Minimum R-Value	18		X	20		х	24		Х	24		38	
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	
All-Wood Joist/Truss Minimum R-Value	18		25	18		25	18		25	18		25	
Nonwood Joist/Truss Minimum R-Value	19		25	19		25	19		25	19		25	
Concrete Slab or Deck			-				-		-			-	
Minimum R-Value	19		NA	19		NA	19		NA	19		NA	
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation		
Minimum R-Value		0			8			8			8		

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 14b

Envelope Component		Fenestration Window-Wall			m Fenestratio			Fenestration			High Fenestrati -50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No .	Metal	Wood	No .	Metal	Wood
Walls (a,b)		•	or Framing	Framing o		•	Framing o	•	or Framing		•	or Framing
Framed Minimum Cavity R-Value (c)	NA NA	13 3	11 0	NA NA	13 3	11 0	NA NA	13 3	11	NA NA	13 7	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	11	11	NA NA	<u>3</u> 11	11	NA NA	11	0 11	NA NA	11	3 11
with Integral Insulation(e) Minimum Continuous R-Value	5 5	0	0	5 5	0	;;	5 5	0	0	5 5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	11	11	NA NA	11	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	5	0	0	5	0	0
	No	3.25	³.5	No	3.25	3 _{.5}	No	3.25	3.5	No	3.25	³.5
Windows	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
Maximum Solar Heat Gain Coefficient												
	Any	Any	Any	0.5	0.6	0.7	0.4	0.5	0.6	0.4	0.5	0.6
Maximum U-Factor											• •	• •
	0.7	0.7	0.7	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.8			0.8			0.8			0.8	
maximam o r dotor												
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss												
Minimum R-Value	19		25	19		25	23		30	23		30
Nonwood Joist/Truss Minimum R-Value	20		25	20		25	24		30	24		30
Concrete Slab or Deck	20		25	20		25	24		30	24		30
Minimum R-Value	19		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break												
Minimum R-Value	20		30	20		30	24		Х	24		38
Metal Purlin without Thermal Break Minimum R-Value	20		х	20		х	24		x	24		49
Minimum R-value	20		^			^			^			49
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss							1	·				
Minimum R-Value Nonwood Joist/Truss	19		25	19		25	19		25	19		25
Minimum R-Value	19		25	19		25	19		25	19		25
Concrete Slab or Deck							-					
Minimum R-Value	19		NA	19		NA	19		NA	19		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		0			8			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 15

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wall			Fenestration			High Fenestrati -50% Window-Wa	
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b)	Framing o		or Framing		or Framing o	•	Framing o		or Framing			or Framing
Framed Minimum Cavity R-Value (c)	NA NA	13	11 0	NA NA	13 3	11	NA NA	13 3	11	NA NA	13 7	13 4
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	<u>3</u> 11	11	NA NA	<u>3</u> 11	0 11	NA NA	<u> </u>	0 11	NA NA	13	11
with Integral Insulation(e) Minimum Continuous R-Value	5 5	0	0	5 5	0	0	5 5	0	0	5 5	0	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	11	11	NA NA	13	11	NA NA	13	11
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	5	0	0	6	0	0	6	3	0
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection
Maximum Solar Heat Gain Coefficient			1 10,000.011		1 10,000.011							
Maximum U-Factor	Any	Any	Any	0.5	0.6	0.7	0.5	0.6	0.7	0.4	0.5	0.7
Maximum 0-1 actor	0.7	0.7	0.7	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.6			0.6			0.6			0.6	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	19		25	19		25	23		30	23		30
Nonwood Joist/Truss Minimum R-Value	20		25	20		25	24		30	24		30
Concrete Slab or Deck Minimum R-Value	19		NA	19		NA	23		NA	23		NA
Metal Purlin with Thermal Break												
Minimum R-Value Metal Purlin without Thermal Break	20		30	20		30	24		Х	24		38
Minimum R-Value	20		х	20		х	24		х	24		NA
Floor	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation	Continuous Insulation	or	Cavity Insulation
All-Wood Joist/Truss Minimum R-Value	22		25	22		25	22		25	22		25
Nonwood Joist/Truss	- 22		20	- 22		20			20			20
Minimum R-Value Concrete Slab or Deck	23		30	23		30	23		30	23		30
Concrete Slab of Deck Minimum R-Value	22		NA	22		NA	22		NA	22		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation	_		Insulation	
Minimum R-Value		0			8			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 16

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration		Very High Fenestration Area (40%-50% Window-Wall Ratio)		
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood
Walls (a,b)	Framing o		or Framing			or Framing	Framing of	•	or Framing	Framing		or Framing
Framed Minimum Cavity R-Value (c)	NA	13	11 0	NA NA	13	11	NA	13	13	NA	13	13
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	<u>3</u> 11	11	NA NA	<u>3</u> 11	0 11	NA NA	3 13	0 11	NA NA	14 13	7 13
with Integral Insulation(e) Minimum Continuous R-Value	5	0	0	5	0	0	6	0	0	10	3	0
All Other Minimum Cavity R-Value	NA NA	11	11	NA NA	13	11	NA NA	13	13	NA.	13	13
Masonry Walls(f) Minimum Continuous R-Value	5	0	0	9	3	0	9	3	0	9	3	3
	No Projection	3.25 Projection	3.5	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Deciration
Windows Maximum Solar Heat Gain Coefficient	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection	Projection
	0.7	Any	Any	0.7	Any	Any	0.5	0.6	0.7	0.4	0.5	0.7
Maximum U-Factor	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Skylight (Limit 3% of Roof Area)												
Maximum U-Factor		0.6			0.6			0.6			0.6	
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	19		25	23		30	23		30	23		30
Nonwood Joist/Truss												
Minimum R-Value	20		25	24		30	24		30	24		30
Concrete Slab or Deck Minimum R-Value	19		NA	23		NA	23		NA	23		NA
Metal Purlin with Thermal Break	13		NA.	23		NA.	25		146	23		ING.
Minimum R-Value	20		30	24		х	24		x	24		38
Metal Purlin without Thermal Break Minimum R-Value	20		х	24		х	24		х	24		NA
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation
All-Wood Joist/Truss Minimum R-Value	22		25	22		25	22		25	22		25
Nonwood Joist/Truss												
Minimum R-Value Concrete Slab or Deck	23		30	23		30	23		30	23		30
Minimum R-Value	22		NA	22		NA	22		NA	22		NA
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation	
Minimum R-Value		8			8			8			8	

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 17

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal			Fenestration		Very High Fenestration Area (40%-50% Window-Wall Ratio)			
	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	No	Metal	Wood	
Walls (a,b)	Framing o		or Framing			or Framing	Framing or		or Framing	Framing		or Framing	
Framed Minimum Cavity R-Value (c)	NA	13	13	NA	13	13	NA	13	13	NA	13	13	
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	3 13	0 11	NA NA	3 13	0 11	NA NA	4 13	3 13	NA NA	14 13	14 13	
with Integral Insulation(e) Minimum Continuous R-Value	6 6	0	0	6	0	0	10	4	3	14	10	7	
All Other Minimum Cavity R-Value	NA NA	13	11	NA NA	13	13	NA	13	13	NA	13	13	
Masonry Walls(f) Minimum Continuous R-Value	6	0	0	9	3	0	10	4	3	14	10	7	
Windows	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	No Projection	3.25 Projection	3.5 Projection	
Maximum Solar Heat Gain Coefficient	Tojection	1 Tojection	riojection	Trojection	rojection	1 Tojection	Trojection	1 TOJECTION	rrojection	Trojection	i rojection	rrojection	
Maximum U-Factor	0.7	Any	Any	0.7	Any	Any	0.7(g)	Any(g)	Any(g)	0.4	0.5	0.7	
waxinun 6-1 daar	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Skylight (Limit 3% of Roof Area)													
Maximum U-Factor		0.6			0.6			0.6			0.6		
	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	Continuous		Roof Cavity	
Roof	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	
All-Wood Joist/Truss Minimum R-Value	23		30	23		30	23		30	23		30	
Nonwood Joist/Truss													
Minimum R-Value Concrete Slab or Deck	24		30	24		30	24		30	24		30	
Minimum R-Value	23		NA	23		NA	23		NA	23		NA	
Metal Purlin with Thermal Break			101			101							
Minimum R-Value	24		х	24		х	24		х	24		38	
Metal Purlin without Thermal Break Minimum R-Value	24		х	24		х	24		х	24		NA	
	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	Continuous		Cavity	
Floor	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	Insulation	or	Insulation	
All-Wood Joist/Truss Minimum R-Value	22		25	22		25	22		25	22		25	
Nonwood Joist/Truss Minimum R-Value	23		30	23		30	23		30	23		30	
Concrete Slab or Deck													
Minimum R-Value	22		NA	22		NA	22		NA	22		NA	
Slab Edge or Basement Walls		Insulation			Insulation			Insulation			Insulation		
Minimum R-Value		8			8			8			8		

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- (g) For buildings over 3 stories in height, the maximum SHGC shall be 0.60.
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 18

Envelope Component			Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal		High Fenestration Area (26%-40% Window-Wall Ratio)	Very High Fenestration Area (40%-50% Window-Wall Ratio)				
		No	Metal	Wood	No	Metal	Wood						
Walls (a,b)		Framing o	Ţ.	or Framing		or Framing o	•						
Framed Minimum Cavity		NA	13	13	NA	13	13						
Any Spacing Minimum Continuous		NA	4	3	NA NA	4	3						
	avity R-Value	NA	13	13	NA	13	13						
with Integral Insulation(e) Minimum Continu		9	3	3	9	3	3						
	avity R-Value	NA 10	13	13	NA 10	13	13	N B 14 B 1					
Masonry Walls(f) Minimum Continu	uous R-value	10	4	3	10	4	3	No Prescriptive Package For High Fenestration Area	No Prescriptive Package For very Hign Fenestration Area				
		No	3.25	3.5	No	3.25	3.5	.	,				
Windows		Projection	Projection	Projection	Projection	Projection	Projection						
Maximum Solar Heat Gai	in Coefficient	.,	.,	.,	.,		.,						
Maximum Solar Fleat Gal	iii Coemcieni	0.7	Any	Any	0.7	Any	Any						
Maxim	num U-Factor	0.1	Ally	Ally	0.7	Ally	Any						
, and a second	iani o i actor	0.6	0.6	0.6	0.4	0.4	0.4						
Skylight (Limit 3% of Roof Area)													
Mayim	num U-Factor		0.6			0.6							
IVIAXIII	ium o-racior		0.6			0.6							
		Continuous		Roof Cavity	Continuous		Roof Cavity						
Roof		Insulation	or	Insulation	Insulation	or	Insulation						
All-Wood Joist/Truss													
	mum R-Value	23		30	23		30						
Nonwood Joist/Truss													
	mum R-Value	24		30	24		30						
Concrete Slab or Deck	D 1/2/12	00		NA	-00		NA						
Metal Purlin with Thermal Break	mum R-Value	23		NA	23		NA						
	mum R-Value	24		x	24		х						
Metal Purlin without Thermal Break	num K-value	24		^	24		^						
	mum R-Value	24		x	24		x						
	nam it value	<u> </u>		~									
		Continuous		Cavity	Continuous		Cavity						
Floor		Insulation	or	Insulation	Insulation	or	Insulation						
All-Wood Joist/Truss													
Minin	mum R-Value	22		25	22		25						
Nonwood Joist/Truss													
	mum R-Value	23		30	23		30						
Concrete Slab or Deck													
Minin	mum R-Value	22		NA	22		NA						
Slab Edge or Basement Walls			Insulation			Insulation							
Siab Euge of Basement Walls			insulation			IIISUIAUUII							
Minin	mum R-Value		12			12							
IVIIIIII	nun IV-value		14			14							

- (a) For walls next to unconditioned spaces, use the Low Fenestration Area wall requirements.
- (b) Where values are shown for both cavity and continuous insulation, both requirements must be met.
- (c) Cavity insulation is insulation between framing members or furring strips and does not refer to integral insulation in CMUs.
- (d) Continuous insulation is insulation that is continuous across structural members, and its effectiveness is undimished by compression or bridging.
- (e) Integral insulation in concrete masonry units may be perlite, vermiculite, or other insulating material. Minimum R-values are in addition to insulation in CMU voids.
- (f) Use of the Other Masonry Walls category is restricted to walls weighing 35 lb/ft2 or more; lightweight masonry veneers and unfilled CMUs <8 in. in thickness do not qualify.</p>
- "NA" indicates the category is not applicable.
- A minimum R-value of zero indicates no insulation is required.
- "Any" indicates any available product will comply.
- "X" indicates no complying option exists in the prescriptive packages.

Climate Zone 19

Envelope Component		Fenestration % Window-Wall			ım Fenestratio 25% Window-Wal		High Fenestration Area (26%-40% Window-Wall Ratio)	Very High Fenestration Area (40%-50% Window-Wall Ratio)
	No	Metal	Wood	No	Metal	Wood		
Walls (a,b)	Framing o		or Framing			or Framing		
Framed Minimum Cavity R-Value (c)	NA	13	13	NA	13	13		
Any Spacing Minimum Continuous R-Value (d) CMU, 8 in. or greater Minimum Cavity R-Value	NA NA	4 13	3	NA NA	13	3 13		
with Integral Insulation(e) Minimum Continuous R-Value			13	NA 9	3			
All Other Minimum Cavity R-Value	9 NA	3 13	3 13	NA NA	<u>3</u> 13	3 13		
Masonry Walls(f) Minimum Continuous R-Value	10	13 4	3	10	13	3	No Prescriptive Package	No Prescriptive Package
Mason y Wans(i)	- 10			10			For High Fenestration Area	For Very High Fenestration Area
	No	3.25	³.5	No	3.25	3 .5		
Windows	Projection	Projection	Projection	Projection	Projection	Projection		
Maximum Solar Heat Gain Coefficient								
	0.7	Any	Any	0.7	Any	Any		
Maximum U-Factor								
	0.5	0.5	0.5	0.4	0.4	0.4		
Skylight (Limit 3% of Roof Area)								
, , ,								
Maximum U-Factor		0.6			0.6			
				<u> </u>				
	Continuous		Roof Cavity	Continuous		Roof Cavity		
Roof	Insulation	or	Insulation	Insulation	or	Insulation		
All-Wood Joist/Truss								
Minimum R-Value	23		30	23		30		
Nonwood Joist/Truss								
Minimum R-Value	24		30	24		30		
Concrete Slab or Deck								
Minimum R-Value Metal Purlin with Thermal Break	23		NA	23		NA		
Minimum R-Value	24		х	24		х		
Metal Purlin without Thermal Break	24		^	27		^		
Minimum R-Value	24		x	24		x		
	-			-				
	Continuous		Cavity	Continuous		Cavity		
Floor	Insulation	or	Insulation	Insulation	or	Insulation		
All-Wood Joist/Truss								
Minimum R-Value	22		25	22		25		
Nonwood Joist/Truss	-00		20	00		20		
Minimum R-Value Concrete Slab or Deck	23		30	23		30		
Minimum R-Value	22		NA	22		NA		
iviii iii lulii K-value			NA.			IVA.		
Slab Edge or Basement Walls		Insulation			Insulation			
Minimum R-Value		12			12			

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