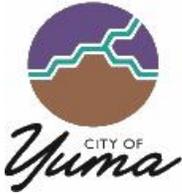


BUILDING PERMIT APPLICATION



City of Yuma
Department of Community Development
Building Safety Division
One City Plaza
Yuma, Arizona 85364-1436
PHONE: (928) 373-5163 or (928) 373-5165
FAX: (928) 373-5164

For Office Use Only	
Permit #	
PPR #	
W/S #	

Job Address: _____ Lot/Suite#: _____

Job Name: _____

Residential Project **Commercial Project**

Property Owner:	Phone:	
Address:	Fax:	
City/State/Zip:	Mobile:	
E-mail address:		
Contractor:	Phone:	
Contractor Address:	Fax:	
City/State/Zip:	Mobile:	
E-mail address:		
Designer/Architect:	Phone:	
Architect Address:	Fax:	
City/State/Zip:	Mobile:	
E-mail address:		
Engineer:	Phone:	
Engineer Address:	Fax:	
City/State/Zip:	Mobile:	
E-mail address:		

Valuation: _____

Does this address have:

Overhead Electric: _____ Yes _____ No (If yes, show service drop and meter location on plans)

Gas service: _____ Yes _____ No (If yes, show gas meter location on plans)

Septic: _____ Yes _____ No (If yes, show location of septic on plans)

Scope of Work: _____

Applications for which no permit is issued within 180 days following the date of this application shall be expired by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the building official.

Waiver: Applicant and its employees, agents, contractors, and officers (collectively "Applicant") agree that Applicant assumes any and all risk arising from any work resulting from the City of Yuma's issuance of this permit. Applicant also hereby waives any and all claims against the City of Yuma, and its employees, departments, agencies, agents, officials, officers, and directors for any damages, liabilities, injuries or loss that arise from Applicant's work.

Authorization: If Applicant does not own the property on which the permitted work will occur, Applicant hereby warrants and certifies that the property owner has authorized Applicant to access the owner's property and perform the permitted work on the owner's property.

Indemnification: To the fullest extent allowable by law, Applicant agrees to indemnify, defend, and hold harmless the City of Yuma, and its departments, agencies, agents, officials, officers, directors, employees, and volunteers (collectively "City") for, from and against any and all claims, liabilities, demands, damages, losses, and expenses, including attorneys' fees and litigation expenses, to which the City may become subject, under any theory of liability whatsoever, (collectively "Claims") whether real or asserted, resulting from and/or arising out of Applicant's intentional, reckless, or negligent acts, directives, mistakes, errors, or omissions in performance or non-performance of any work authorized under the provisions of any resulting permit(s). This indemnification provision shall apply to any and all any intentional, reckless, or negligent acts, mistakes, directives, errors, or omissions of Applicant's departments, agencies, directors, officers, employees, volunteers, contractors, sub-contractors, and independent contractors, whether employed directly or indirectly by Applicant.

Signature of Owner/Agent: _____ Date: _____

The Permit Application and Plan Reviews are processed in accordance with requirements of Arizona Revised Statutes (A.R.S.) § 9-835.

Pursuant Arizona Revised Statutes (A.R.S.) § 9-835, the City may make one comprehensive request for corrections to the applicant during the Substantive Review Time Frame, and also have one opportunity to identify any additional legal requirements that were not identified in the comprehensive request for corrections. Corrections previously identified which have not been resolved by the applicant will be repeated in a supplemental request(s) for corrections. If the City issues a request for corrections, the Substantive and Overall Review Time Frames are suspended until the date corrections are received from the applicant.

The Substantive Review Time Frame includes the initial review and one resubmittal. If significant design alterations or changes are made to an application, the City may make one additional comprehensive request for corrections and the Substantive Review Time Frame will be increased by fifty percent (50%).

Additionally, the City and the applicant may mutually agree to extend the Substantive Review Time Frame up to fifty percent (50%) of the Overall Time Frame, to accommodate larger, more complex projects, to accommodate additional submittal reviews, or other purposes by mutual agreement.

Unless the City and applicant mutually agree to extend the Substantive Review Time Frame and Overall Time Frame, the building permit must be either granted or denied within the Overall Time Frame. If the permit is denied, a new permit application and plans must be submitted, additional processing fees will be applicable, and a new Overall Time Frame shall commence.

This section does not apply for construction or development of a residential lot, including swimming pools, hardscape and property walls, subdivisions or master planned community.

Contact person to answer questions and provide assistance during the building permit application and review process:

Alan Kircher, Deputy Building Official
 Phone: 928-373-5169
 Fax: 928-373-5168
 email: alan.kircher@yumaaz.gov

Office Use Only

Valuation: _____

Permit: _____

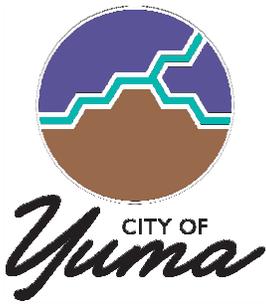
Impact: _____

Plan Review Fees: _____

Water/Sewer: _____

Total Due: _____

1 st Floor		Balcony		Type of Construction	
2 nd Floor		Portico		Occupancy Class	
3 rd Floor		Patio		Zoning District	
Storage		Warehouse		Flood Zone	
Garage/Carport				Occupant Load	



Example Patio Cover Site Plan

Scale: 1" = 20'

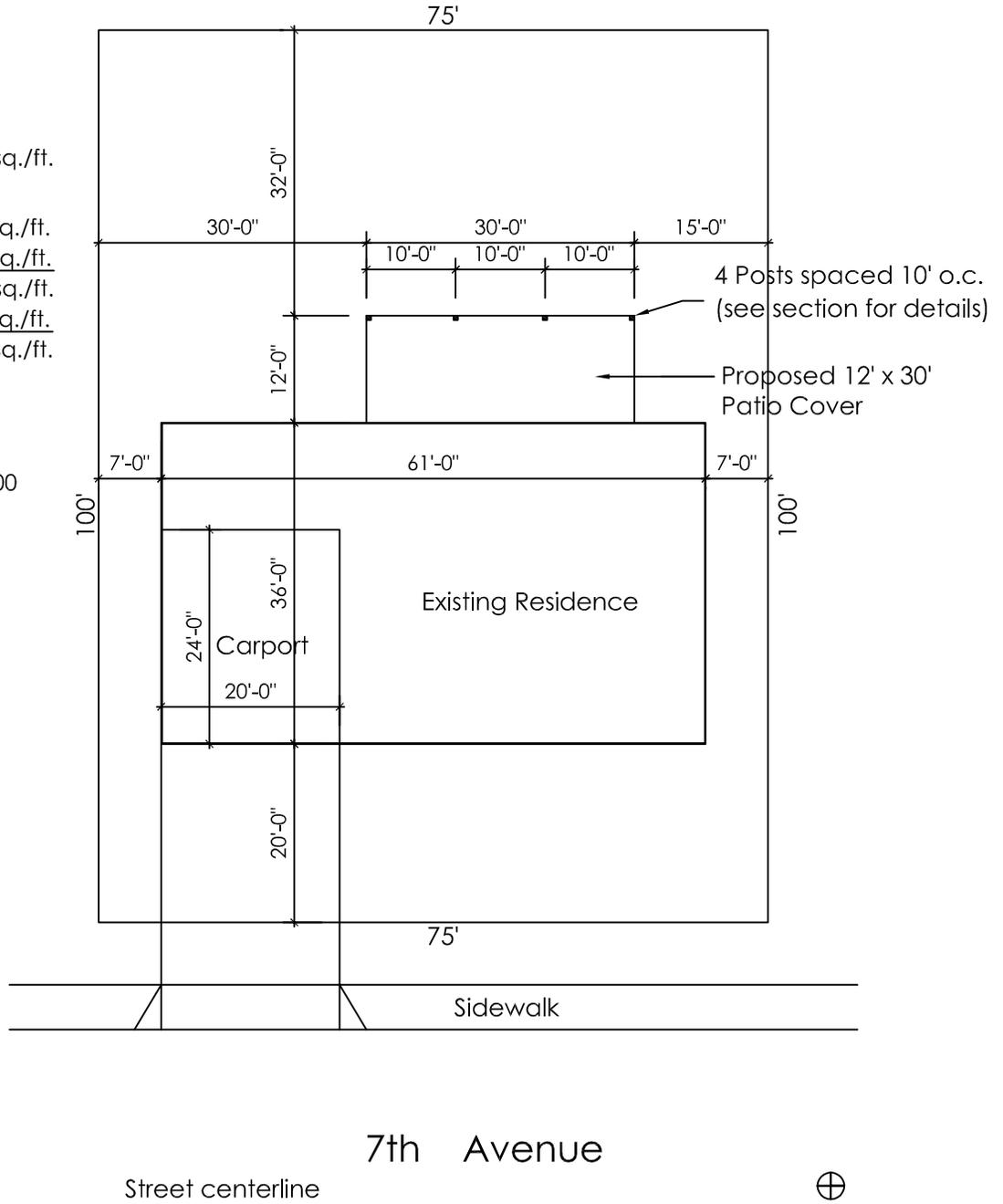
Lot Coverage Calculation

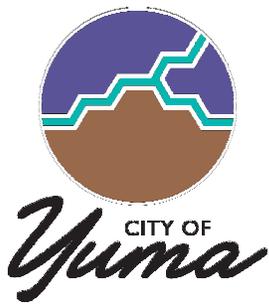
Lot size: 75' x 100' =	7,500 sq./ft.
Building Area	
Existing Residence: 36' x 61' =	2,196 sq./ft.
New Patio: 12' x 30' =	360 sq./ft.
Subtotal	= 2,556 sq./ft.
-Carport (max. 600 sq./ft.) =	480 sq./ft.
Total	= 2,076 sq./ft.

$$\% \text{ Lot Coverage} = \frac{\text{Building Area}}{\text{Lot Area}} \times 100$$

$$= \frac{2,076 \text{ sq./ft.}}{7,500 \text{ sq./ft.}} \times 100$$

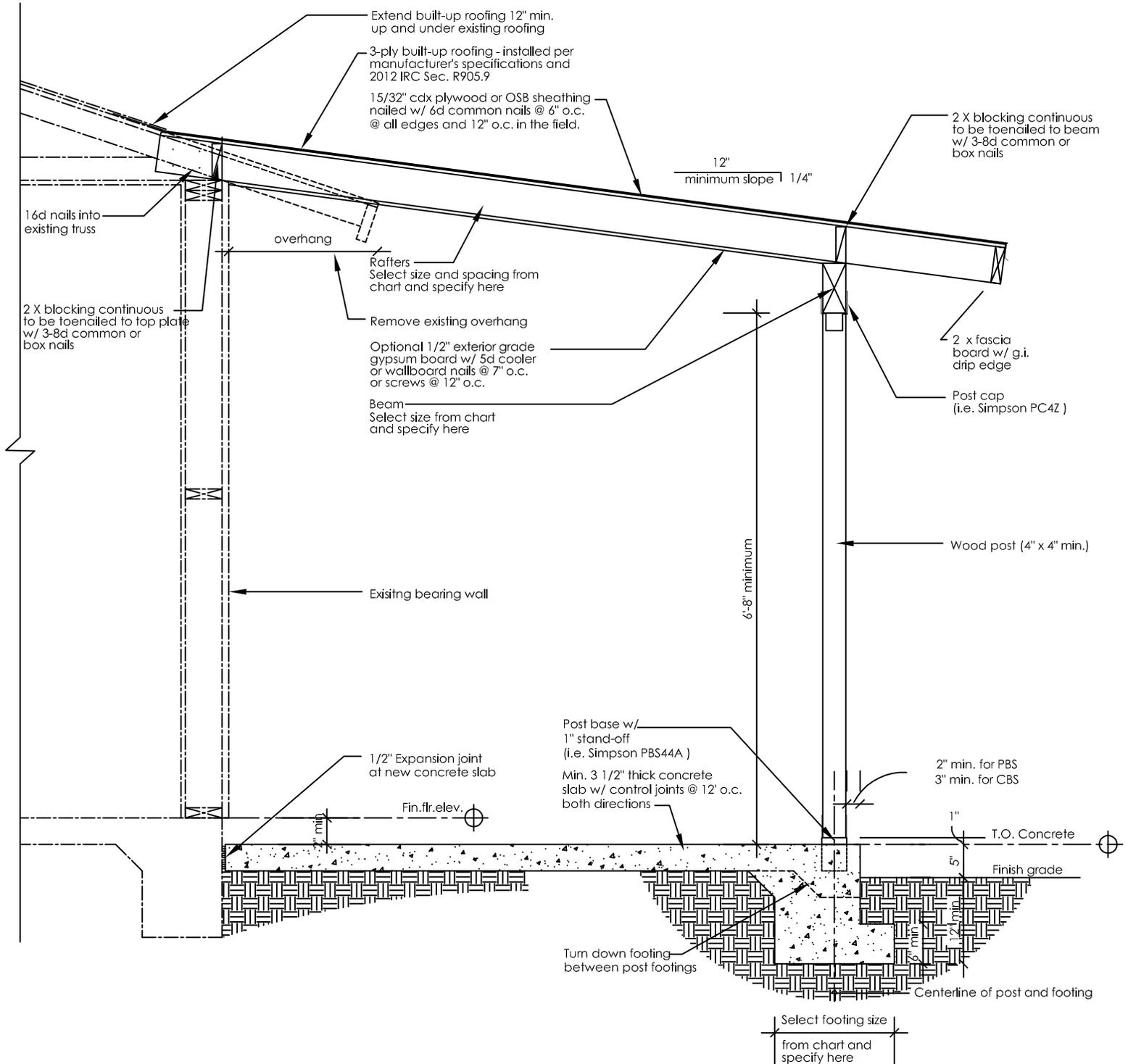
$$= 27.7 \%$$

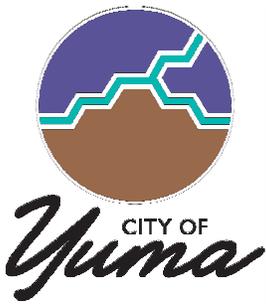




Example Patio Cover Cross-Section

Scale: 3/16 = 1'-0"

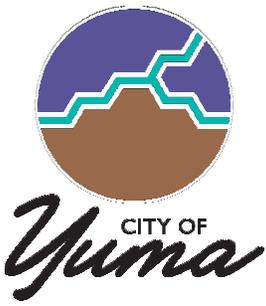




Patio Cover Rafter Sizes

To choose the rafter size and spacing for your patio cover simply determine your desired depth of the patio and span of the rafter measured from the edge of the house wall to the center of the beam, go to that span in the left hand column of the chart below and determine the rafter which will best suit your application. The left hand rafter column is highly recommended for use. It is based upon IRC Table R802.5.1(2) for a 20 psf live load and a 10 psf dead load. The right hand rafter column is the code minimum per IRC Appendix H. It is based upon a 10 psf live load and a seven psf dead load and is not recommended for use. This chart is based upon the use of Douglas Fir Larch #2 or better lumber, $\frac{15}{32}$ " plywood or OSB sheathing, a 3-ply built-up roof, and an optional $\frac{1}{2}$ " exterior gypsum board ceiling and permits a 24 inch overhang beyond the beam. If your desired design does not comply with these parameters, then this chart may not be appropriate, in which case, one of our Plans Examiners would be happy to help you customize your solution. Please note that the minimum joist size to accommodate the insulation depth for a future room enclosure is a 2" x 10".

Rafter Span	Recommended Rafter Size and Spacing	Code Minimum Rafter Size and Spacing
6 feet	2"x6" @ 24" o.c.	2"x4" @ 24" o.c.
8 feet	2"x6" @ 24" o.c.	2"x4" @ 24" o.c.
10 feet	2"x6" @ 24" o.c.	2"x4" @ 16" o.c.
12 feet	2"x6" @ 16" o.c.	2"x6" @ 24" o.c.
14 feet	2"x6" @ 16" o.c. 2"x8" @ 24" o.c.	2"x6" @ 24" o.c.
16 feet	2"x8" @ 16" o.c. 2"x10" @ 24" o.c.	2"x6" @ 16" o.c. 2"x8" @ 24" o.c.
18 feet	2"x8" @ 12" o.c. 2"x10" @ 24" o.c. 2"x12" @ 24" o.c.	2"x6" @ 12" o.c. 2"x8" @ 24" o.c.
20 feet	2"x8" @ 12" o.c. 2"x10" @ 16" o.c. 2"x12" @ 24" o.c.	2"x8" @ 16" o.c. 2"x10" @ 24" o.c.



Patio Cover Beam and Footing Sizes

Once you have determined the depth of your patio, selected the rafter size, spacing, and span from the chart on the previous page, and determined your desired column spacing, you may utilize the chart on Page 2 to determine the required beam and footing sizes for your patio cover.

The beam sizes are indicated first and sometimes more than one size is suitable for use. The beam sizes not in parenthesis are highly recommended for use. They are based upon a 20 psf live load and a 10 psf dead load and would permit a future room enclosure underneath. The beam sizes in parenthesis are code minimums per IRC Appendix H and are not recommended for use. They are based upon a 10 psf live load and a seven psf dead load. The majority of the beams are based upon dimensional Douglas Fir Larch #2 or better. Where the capacities of standard dimensional beams are exceeded, either GL-1, GL-2, or GL-3 is shown in the chart. These designations represent glulam beams with minimum values for $E= 1,800,000$ psi, $F_b= 2,400$ psi, and $F_v= 165$ psi. These are numbers your supplier will understand. You may use either a 3-1/8" x 10-1/2" or a 5-1/8" x 10-1/2" glulam. GL-3 represents either a 3-1/8" x 13-1/2" or a 5-1/8" x 12" glulam.

The footing sizes follow the beam sizes and are in *italics*. The footing sizes not in parenthesis are for the intermediate columns and the footing sizes in parenthesis are for the end columns. IRC Appendix H permits columns to be supported by the slab, if the columns do not support live and dead loads in excess of 750 pounds per column. However, we strongly recommend that you utilize a minimum 12 inch by 12 inch footing where slab support is permitted.

The chart is based upon the use of $\frac{15}{32}$ " plywood or OSB sheathing, a 3-ply built-up roof, and an optional $\frac{1}{2}$ " exterior gypsum board ceiling and permits a 24 inch overhang beyond the beam. If your desired design does not comply with these parameters, then this chart may not be appropriate, in which case, one of our Plans Examiners would be happy to help you customize your solution.

(continued on next page)



Patio Cover Beam and Footing Sizes

Post Spacing

Depth of Patio or Span of Rafter

	6 feet	8 feet	10 feet	12 feet	14 feet	16 feet	18 feet	20 feet
4 feet	4 x 4 slab	4 x 4 slab	4 x 4 slab	4 x 4 slab	4 x 4 slab	4 x 4 slab	4 x 4 slab	4 x 4 12 x 12 (slab)
6 feet	4 x 4 slab	4 x 4 slab	4 x 4 slab	4 x 6 (4 x 4) 12 x 12 (slab)	4 x 6 (4 x 4) 12 x 12 (slab)	4 x 6 (4 x 4) 13 x 13 (slab)	4 x 6 (4 x 4) 13 x 13 (slab)	4 x 6 (4 x 4) 14 x 14 (slab)
8 feet	4 x 6 (4 x 4) slab	4 x 6 (4 x 4) 12 x 12 slab	4 x 6 (4 x 4) 12 x 12 (slab)	4 x 6 (4 x 4) 12 x 12 (slab)	4 x 8 (4 x 6) 14 x 14 (slab)	4 x 8 (4 x 6) 14 x 14 (slab)	4 x 8 (4 x 6) 15 x 15 (slab)	4 x 8 (4 x 6) 16 x 16 (slab)
10 feet	4 x 6 (4 x 6) 12 x 12 (slab)	4 x 8 (4 x 6) 14 x 14 slab	4 x 8 (4 x 6) 14 x 14 (slab)	4 x 8 (4 x 6) 14 x 14 (slab)	4 x 8 (4 x 6) 15 x 15 (12 x 12)	4 x 10 (4 x 8) 16 x 16 (12 x 12)	4 x 10 (4 x 8) 17 x 17 (12 x 12)	4 x 10 (4 x 8) 18 x 18 (13 x 13)
12 feet	4 x 8 (4 x 6) 13 x 13 (slab)	4 x 8 (4 x 6) 14 x 14 (slab)	4 x 10 6 x 8 (4 x 8) 15 x 15 (slab)	4 x 10 (4 x 8) 16 x 16 (12 x 12)	4 x 10 (4 x 8) 17 x 17 (12 x 12)	4 x 10 (4 x 8) 18 x 18 (13 x 13)	4 x 12 6 x 10 (4 x 8) 18 x 18 (13 x 13)	4 x 12 6 x 10 (4 x 10) 19 x 19 (14 x 14)
14 feet	4 x 10 6 x 8 (4 x 6) 14 x 14 (slab)	4 x 10 (4 x 8) 15 x 15 (slab)	4 x 10 (4 x 8) 16 x 16 (12 x 12)	4 x 12 6 x 10 (4 x 8) 17 x 17 (12 x 12)	4 x 12 6 x 10 (4 x 10) 18 x 18 (13 x 13)	4 x 12 6 x 10 (4 x 10) 19 x 19 (14 x 14)	6 x 12 (4 x 10) 20 x 20 (14 x 14)	6 x 12 (4 x 10) 21 x 21 (15 x 15)
16 feet	4 x 10 (4 x 8) 14 x 14 (slab)	4 x 12 6 x 10 (4 x 8) 16 x 16 (12 x 12)	4 x 12 6 x 10 (4 x 10) 17 x 17 (12 x 12)	6 x 12 (4 x 10) 18 x 18 (13 x 13)	6 x 12 (4 x 10) 19 x 19 (14 x 14)	6 x 12 (4 x 10) 20 x 20 (14 x 14)	6 x 12 (4 x 12) (6 x 10) 21 x 21 (15 x 15)	GL-1 (4 x 12) (6 x 10) 22 x 22 (16 x 16)
18 feet	4 x 12 6 x 10 (4 x 8) 15 x 15 (12 x 12)	4 x 12 6 x 10 (4 x 10) 17 x 17 (12 x 12)	6 x 12 (4 x 10) 18 x 18 (13 x 13)	6 x 12 (4 x 10) 19 x 19 (14 x 14)	6 x 12 (4 x 12) (6 x 10) 20 x 20 (15 x 15)	GL-2 (4 x 12) (6 x 10) 21 x 21 (15 x 15)	GL-2 (6 x 10) 23 x 23 (16 x 16)	GL-2 (6 x 12) 23 x 23 (17 x 17)
20 feet	4 x 12 6 x 10 (4 x 10) 16 x 16 (12 x 12)	6 x 12 (6 x 10) (4 x 12) 18 x 18 (13 x 13)	6 x 12 (6 x 10) (4 x 12) 19 x 19 (14 x 14)	GL-2 (6 x 10) (4 x 12) 20 x 20 (14 x 14)	GL-2 (6 x 12) 21 x 21 (15 x 15)	GL-3 (6 x 12) 23 x 23 (16 x 16)	GL-3 (6 x 12) 24 x 24 (17 x 17)	GL-3 (6 x 12) 25 x 25 (18 x 18)