

# INTEGRA PATIOS

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## Installation Guide



THANK YOU FOR PURCHASING AN  
INTEGRA PATIOS PRODUCT

Your purchase is engineered with nearly a half century of commercial and residential solar product design proudly manufactured in the USA from responsibly sourced materials in state-of-the-art manufacturing facilities.

Your Integra Patios purchase is covered by our exclusive Limited warranty.  
Learn more about our products at [www.integrapatios.com](http://www.integrapatios.com)

PLEASE READ & REVIEW COMPLETE INSTALLATION GUIDE STEP-BY-STEP

# WELCOME

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The Integra Patios Attached Open Lattice Pergola Patio Cover installation guide recommends 1-to-3 physically fit individual(s) with some experience in Do-it-Yourself (DIY) home projects and should complete installation within 10-15 hours with proper planning.

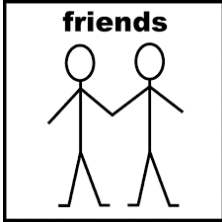












Please review this installation guide thoroughly and understand each step's task before the start of the installation process. All recommended tools are required for a successful installation and some components will require alterations to fit your structure's unique installation.

Inspect your project area for safety issues noting all electrical power lines and electrical outlets.

**DO NOT begin this project until project area is safe.**

# TOOLS

Recommended & required tools are not included but necessary for a successful installation of this solid cover patio kit as each structure & location is unique.

<p>1-2 friends</p> 	<p>Level</p> 	<p>Carpenters Square</p> 	<p>Chalk Line</p> 
<p>Hammer</p> 	<p>6' or 8' step ladder</p> 	<p>Extension Cord</p> 	<p>Hack Saw</p> 
<p>Tape measure</p> 	<p>3/8" Drill motor w/ extension cord</p>  <p>5/8 spade bit</p> 	<p>Crescent wrench</p> 	<p>1/4", 5/16", 3/8" socket drive set</p> 

# MATERIALS










Inventory all materials received in your shipment within a safe distance from work area before you begin the installation process.

Each “Step” will note components to complete the task on each page.

Item No.	Part Description	Dimensions	Step #	Check-in
<b>LATTICE COMPONENTS</b>				
1	Ledger Board Kit w/ inserts	2" x 6-1/2"	1	
2	Rafter	2" x 6-1/2"	2	
3	Header Beam	3" x 8"	2	
4	Square Post	3" x 3"	2/3	
5	Foam Filled Side Plate	2" x 6-1/2"	5	
6	Square Lattice Tube	2" x 2"	6	
<b>MOUNTING BRACKETS</b>				
7	Inside Brackets	2" x 6-1/2"	3	
8	Rafters to Beam Bracket		2	
9	Top Post Bracket		2	
10	Bottom Post Bracket		3	
11	End Cap	2" x 6-1/2"	6	
12	End Cap	3" x 8"	6	
13	Square Tube End Cap	2" x 2"	6	
<b>HARDWARE</b>				
14	SMS Bolt (A)	#10 x 1-1/4"	multiple	
or	SMS Bolt (B)	#12 x 2-1/2"	multiple	
15	TEK Screw (self-drilling)	#8 x 5/8"	multiple	
16	TEK Screw (self-drilling)	1/4 " x 3/4"	multiple	
17	SMS Bolt	#14 x 3/4"	multiple	
18	Wedge Anchor	3/8" x 2-3/4"	4	
19	SMS w/ Neoprene Washer	#8 x 2-1/2"	6	
20	Plastic Plugs	5/8"	6	
21	Lag Screw w/ Washer	5/16" x 5-1/2"	method 2	
22	Angle Bracket (Fascia only)		method 2	

# ORGANIZE

Organize and familiarize yourself with inventory of all materials by “Step” from pervious page before you begin the installation process. Each “Step” page begins with Components List & Tools Required to complete the step task.

<p>5/16" x 5-1/2" Lag Screw with washer</p> 		
<p>#12 x 2-1/2" SMS</p> 		
<p>5/8" Plastic plugs</p> 	<p>#8 x 2-1/2" SMS w/Neoprene Washer</p> 	<p>#14 x 3/4" TEK screw</p> 
<p>#8 x 5/8" Tek Screw</p> 	<p>#10 x 1-1/4" Tek Screw</p> 	<p>1/4" x 3/4" TEK screw</p> 
<p>3/8" x 2-3/4" Wedge Anchor</p> 		

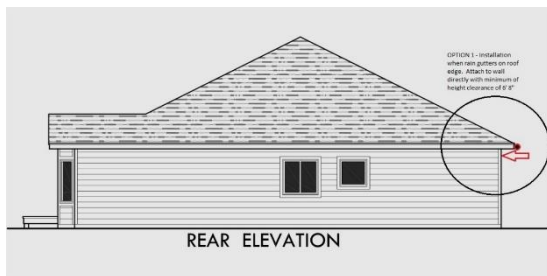
Missing an item? Email [feedback@integrapatios.com](mailto:feedback@integrapatios.com)



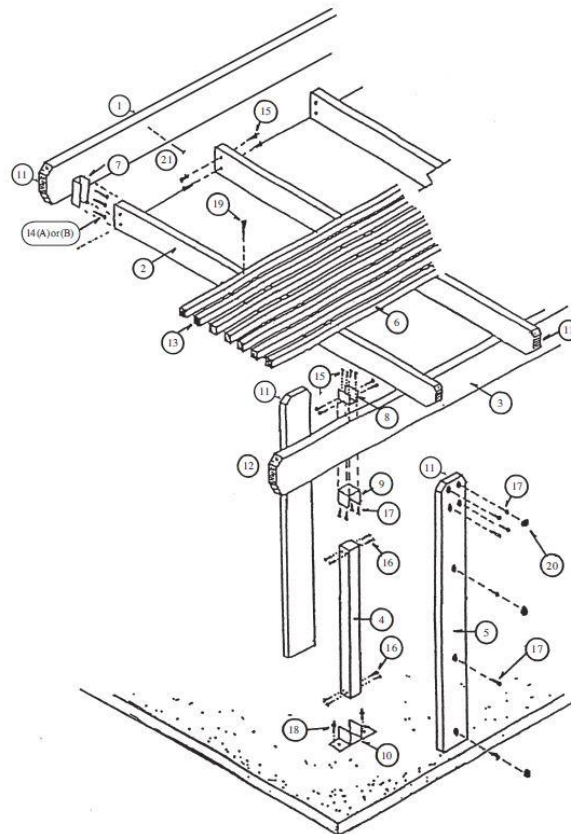
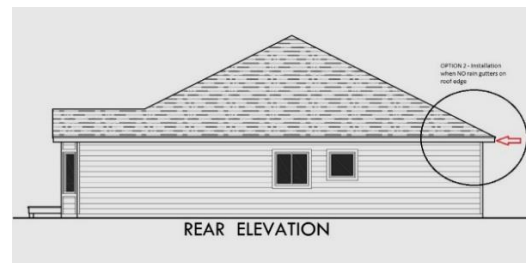
# WALL ATTACHMENT

*Plan the location for pergola lattice cover to be clear of all swinging doors and windows and finish with a minimum height of 6'8" to underside of front fascia.*

**METHOD 1:** Select this installation option when installing a ledger board kit at house wall




**METHOD 2:** Select this installation option if attaching directly to existing fascia board.



**NOTE:** Skip next page and begin on Step 1 if METHOD 1 installation is selected

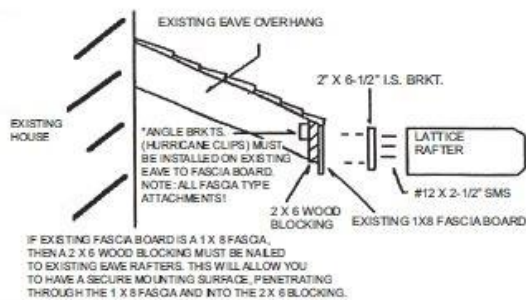
# SKIP THIS STEP FOR METHOD 1

Components List	Tools Required
✓ Ledger Board Kit	

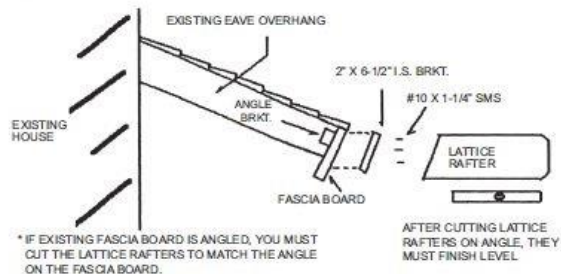
*Plan for lattice height should clear of all swinging doors and windows and finish at a minimum height of 6'8" to underside of front fascia.*

**METHOD 2 NOTE:** Locate the first rafter hanger 12" on center from the edge of your starting point and mount with 3 each #10 x 1-1/4" SMS. Locate additional rafter hangers on 24" center.  
\*Starting Point = Desired location of patio cover on fascia board.

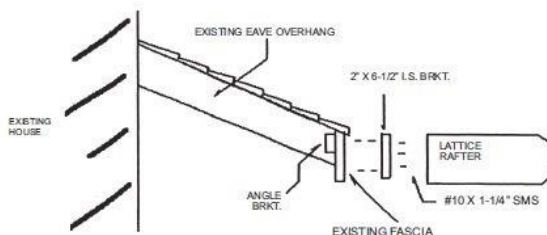
**DIAGRAM A:**



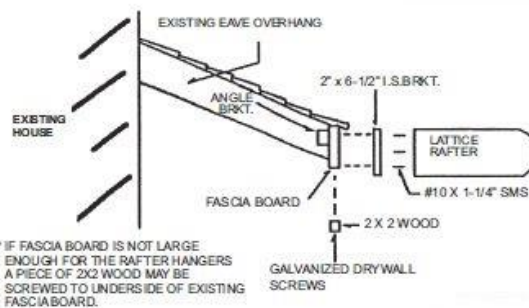
**DIAGRAM B:**



**DIAGRAM C:**



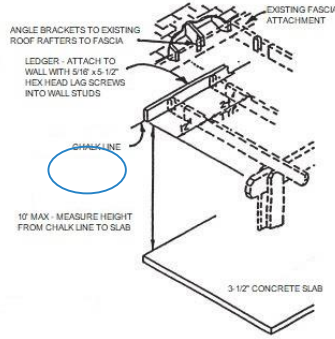
**DIAGRAM D:**

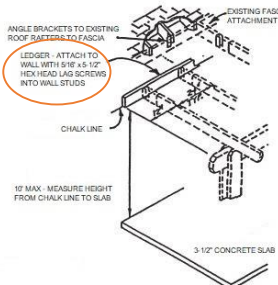


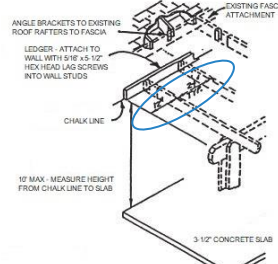


# STEP 1: LEDGER & RAFTER HANGERS


Components List	Tools Required
<ul style="list-style-type: none"> <li>✓ Ledger board</li> <li>✓ 5/16" x 5-1/2" Hex lag screws</li> <li>✓ #10 x 1-1/4" SMS</li> </ul>	

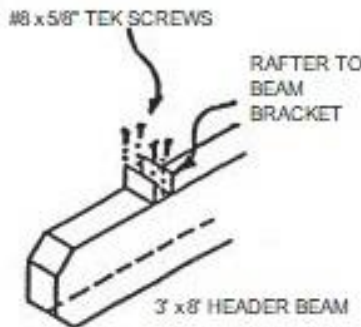
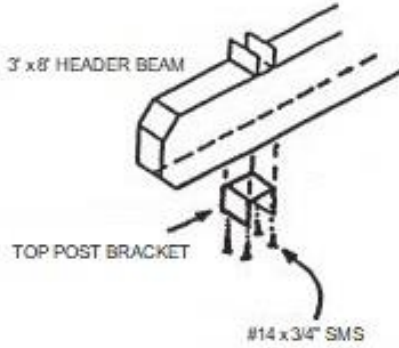
	<p><b>FIRST:</b> Select mounting area on house wall, snap a level chalk line along wall at desired ledge height. (Min. 88" to underside of ledger).</p>
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	<p><b>SECOND:</b> Attach the ledger board to house wall, using 5/16" x 5-1/2" hex head lag screws @ 16" on center</p>
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	<p><b>THIRD:</b> Locate the first rafter hanger 12" on center from edge of ledger board and mount with 3 each #10 x 1-1/4" SMS.</p> <p>Locate additional rafter hangers on 24" centers.</p>
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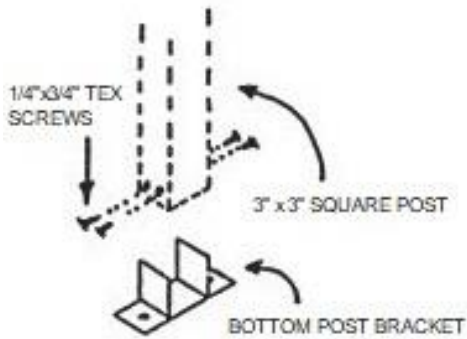
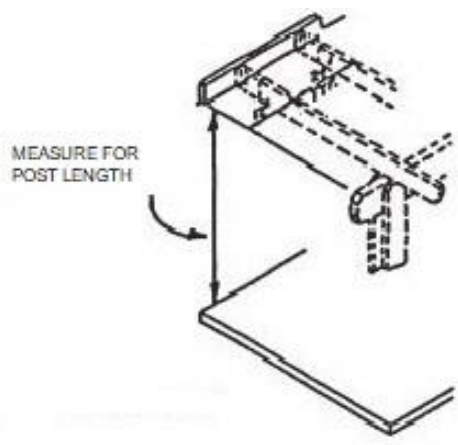

# STEP 2: RAFTER TO BEAM BRACKETS

Components List	Tools Required
<ul style="list-style-type: none"> <li>✓ Header beam</li> <li>✓ Rafter beam brackets</li> <li>✓ Post brackets</li> </ul>	

	<p><b>FIRST:</b> Attach the rafter to beam bracket to the top of the 3"x 8" header beam (seam towards the top side) using 4 each #8 x 5/8" TEK screws per bracket. These brackets should be 12" on center from each end with 24" on center spacing similar to the rafter brackets on ledger board.</p>												
	<p><b>SECOND:</b> Attach the top post bracket to bottom of 3" x 8" header beam. Place the top post bracket 12" on center in from each end (typ.) of the 3" x 8" header beam, each top post bracket is secured with 4 each \$14 x ¾" SMS through top post bracket into 3" x 8" header beam.</p>												
<p><b>FOR MAX POST SPACING REFER TO ENGINEERING</b></p> <table><tr><th>NO. OF POST REQUIRED</th><th>SPACING</th><th>FACTOR</th><th>BETWEEN POST</th></tr><tr><td>3 EA.</td><td>18"</td><td>2</td><td>= 9'</td></tr><tr><td>4 EA.</td><td>18"</td><td>3</td><td>= 6'</td></tr></table> <p><b>NOTE:</b> THE DIVISION FACTOR FOR THE NUMBER OF POSTS REQUIRED REMAINS THE SAME REGARDLESS OF DISTANCE BETWEEN THE OTHER POST.</p>	NO. OF POST REQUIRED	SPACING	FACTOR	BETWEEN POST	3 EA.	18"	2	= 9'	4 EA.	18"	3	= 6'	<p><b>THIRD:</b> If more than two post are required with installation. Calculate spacing needed between post as shown in the <u>example</u> chart to left.</p>
NO. OF POST REQUIRED	SPACING	FACTOR	BETWEEN POST										
3 EA.	18"	2	= 9'										
4 EA.	18"	3	= 6'										

# STEP 3: POST ASSEMBLY

Components List	Tools Required
<ul style="list-style-type: none"> <li>✓ 3" x 3" square post</li> <li>✓ Bottom post brackets</li> </ul>	


	<p><b>FIRST:</b> Now fasten the bottom post bracket to the 3" x 3" sq. post with 4 each 1/4" x 3/4" TEK screws with 2 on each side.</p> <p><b>NOTE:</b> If your concrete slab has slope in it and is not level, the post will have to be various lengths to compensate for the uneven surface.</p>
	<p><b>SECOND:</b> Determine the length of the 3" x 3" sq. post by measuring the distance from the concrete slab to the bottom of the rafter hanger previously installed. Then subtract 8" to allow for the height of the 3" x 8" header beam. When finished, the top of the 3" x 8" header beam should be level with the bottom of the rafter hangers. The header beam should also be level from end to end.</p>
	<p><b>THIRD:</b> Now attach previously cut 3" x 3" sq. post to 3" x 8" header beam while still on the ground. Secure with 4 each 1/4" x 3/4" TEK screws, 2 on each side.</p>

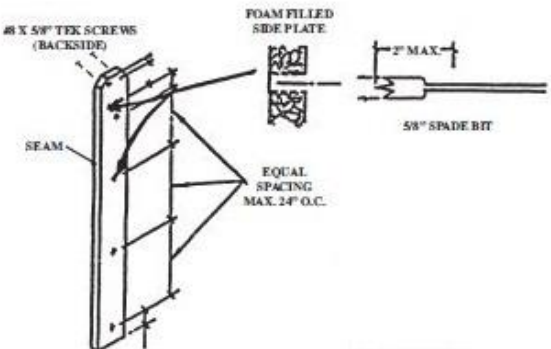
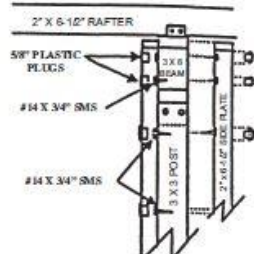
# STEP 4: RAISE POST & HEADER




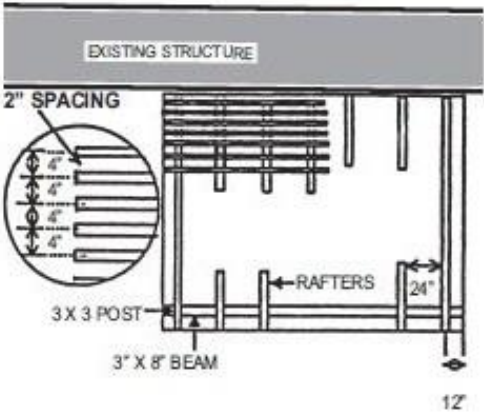
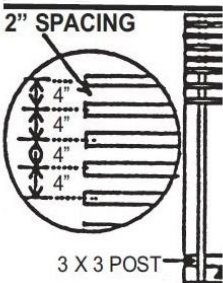
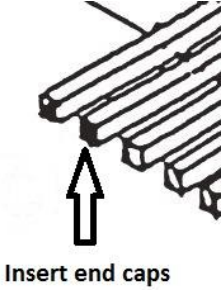
<p style="text-align: center;">RAISE POST &amp; HEADER BEAM</p>	<p><b>FIRST:</b> Raise the post and header beam assembly from the ground. <b>NOTE:</b> All seams on rafters are to face towards the top side. Attach one rafter to each end of 3" x 8" header beam and to each end rafter hanger at ledger location. Fasten with 4 each #8 x 5/8" TEK screws 2 on each side. Rafters should extend past 3" x 8" header beam. (12" typ.)</p>
	<p><b>SECOND:</b> At this point, move the post and 3" x 8" header beam to insure that the end rafters are square with building. After the unit is square with building, next step is to plumb the post in both directions. Now drilling a 3/8" hole with masonry bit, fasten to slab with 3/8" x 2-3/4" wedge anchor and tighten anchor bolts.</p>
<p style="text-align: center;">SQUARE WITH BUILDING (USE CARPENTERS SQUARE)</p>	<p><b>THIRD:</b> After all posts are plumbed and anchored in place, the remaining rafters can now be installed and secured in the same manner as the end ones.</p>

# STEP 5: FOAM SIDE PLATE

Components List	Tools Required
✓ Foam filled side plate	

	<p><b>FIRST:</b> PRIOR TO INSTALLING SIDE PLATES TO POST, PUT 2" X 6-1/2" END CAPS ON MITERED END. The 2" x 6-1/2" foam filled side plates should be cut 8" taller than the 3" x 3" sq. post (mitered end on top side). When drilling holes in side plates, lay two side plates next to each other with the seams facing each other. This will allow for the seams to run in the same direction on all of the side plates once installed. Seven to nine 5/8" diameter holes are drilled through ONE face and the foam in each side plate. <b>DO NOT</b> drill through the backface. Next, fasten 2 each 8# x 5/8" TEK screws to the backside of side plate to secure the 2 x 6 end cap to side plate.</p>
	<p><b>SECOND:</b> Attach side plate to 3" x 3" sq. post and 3" x 8" header beam with #14 x 3/4" SMS. Insert the 5/8" plastic plugs after all the side plates are properly fastened.</p>

# STEP 6: TUBE INSTALLATION

Components List	Tools Required
<ul style="list-style-type: none"> <li>✓ Lattice tubing</li> <li>✓ End caps</li> </ul>	
	<p><b>FIRST:</b> Starting 2" away from ledger board, install the lattice tubes with 2" spacing between each lattice tube. Measuring at each end of lattice tube to ensure both sides have equal overhang. Place the 2" x 2" lattice tube so that all the seams face towards the top side. Secure tubes using the 8# x 2-1/2" SMS with neoprene washers to each rafter.</p>
	<p><b>NOTE:</b> By laying out a few 2" x 2" tubes at a time and securing every other tube this will be 4" on center with 2" spacing between tubes.</p>
	<p><b>SECOND:</b> The remainder of all the 2" x 6-1/2", 3" x 8", and 2" x 2" end caps can now be installed.</p>



# WRITE YOUR REVIEW

INTEGRA  
PATIOS

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HOW TO ENTER: The Giveaway runs monthly. There are four (4) ways to enter The Giveaway: (i) visit [www.homedepot.com](http://www.homedepot.com) and select a recently purchased product. Then, select the "Write a Review" tab on the product page and follow the directions provided to submit your review and upload a photo to receive one (1) entry (the "Entry") for that month into The Giveaway, if Sponsor deems that all submission requirements have been satisfied; (ii) select the link to submit a review as provided in an e-mail sent by The Home Depot to your e-mail address on file, then, follow the directions provided to submit your review and upload a photo to receive one (1) Entry for that month into The giveaway, if Sponsor deems that all submission requirements have been satisfied; (iii) visit your "My Account" page on [homedepot.com](http://homedepot.com), then select the "Contribute & Share" tab, and then follow the directions provided to submit your review form and upload a photo to receive one (1) Entry for that month into The giveaway period if Sponsor deems that all submission requirements have been satisfied; or (iv) on a 3" x 5" card, legibly handprint or type your first name, last name, mailing address, city, state, zip code, telephone number (including area code), year of birth, and mail your 3" x 5" card in a business size envelope to The Home Depot 2455 Paces Ferry Road, c/o The Treehouse, Atlanta, Georgia 30339. Attention: User Generated Content Team to receive one (1) Entry for that month into The Giveaway period if Sponsor deems that all submission requirements have been satisfied. Entries with incomplete or erroneous information, entries generated by script, macro or other automated or mechanical means and entries made by any means which subvert the entry process are void.

\* Visit [HomeDepot.com](http://HomeDepot.com) for Terms & Conditions and Contest Guidelines.

## Lattice Patio Care and Maintenance

Your patio cover has a paint finish to resist the effects of damaging weather and aging. It is recommended you clean your patio cover at least twice a year by using a soft brush with water/mild dish detergent mixture rinsed off with water.

THANK YOU FOR CHOSING INTEGRA PATIOS

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