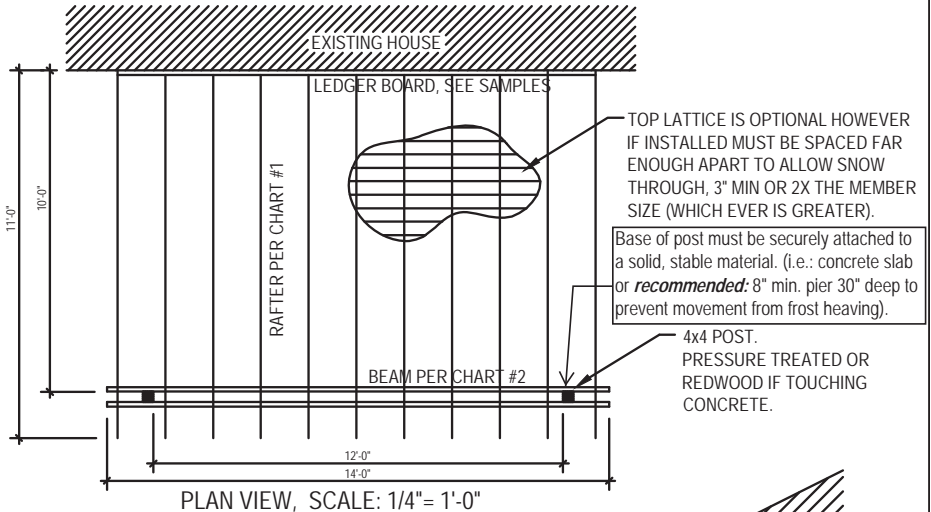


Residential Pergola Guide

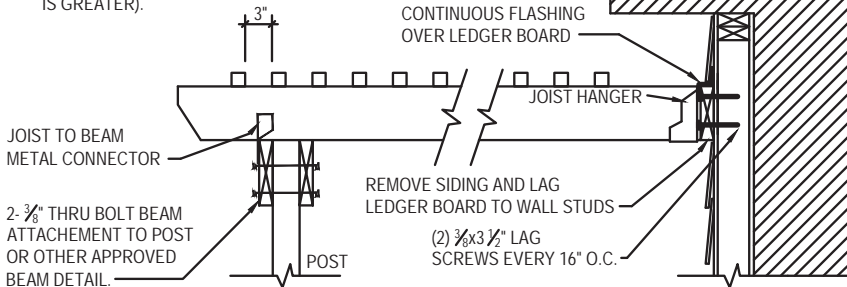
Revised 12/17/2020

A permit is not required for pergolas when all of the following apply:

The pergola is self supported (not attached to the house) **AND** 8ft tall max **AND** less than 120 sf **AND** located 3ft min. from property lines.



GAP BETWEEN LATTICE= 2X THE MEMBER SIZE OR 3" (WHICH EVER IS GREATER).



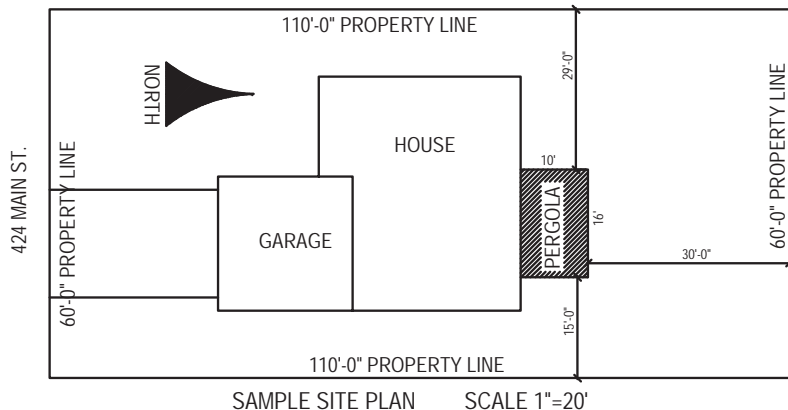
RAFTER TO BEAM & LEDGER BOARD DETAIL

Select the size of rafters and beams using these charts:

Rafter Size and spacing				
Rafter span in feet		2x4	2x6	2x8
	6'	24"	24"	24"
	7'	24"	24"	24"
	8'	24"	24"	24"
	9'	24"	24"	24"
	10'	16"	24"	24"
	11'	12"	24"	24"
	12'	na	24"	24"
	13'	na	24"	24"
	14'	na	24"	24"
15'	na	16"	24"	
16'	na	16"	24"	
17'	na	12"	24"	
18'	na	12"	24"	

Beam span in feet					
Rafter Span in Feet		6 ft.	8 ft.	10 ft	12 ft
	8'	(2) 2x4's	(2) 2x4's	(2) 2x6's	(2) 2x6's
	9'	(2) 2x4's	(2) 2x4's	(2) 2x6's	(2) 2x6's
	10'	(2) 2x4's	(2) 2x4's	(2) 2x6's	(2) 2x6's
	11'	(2) 2x4's	(2) 2x4's	(2) 2x6's	(2) 2x6's
	12'	(2) 2x4's	(2) 2x4's	(2) 2x6's	(2) 2x8's
	13'	(2) 2x4's	(2) 2x4's	(2) 2x6's	(2) 2x8's
	14'	(2) 2x4's	(2) 2x6's	(2) 2x6's	(2) 2x8's
	15'	(2) 2x4's	(2) 2x6's	(2) 2x6's	(2) 2x8's
	16'	(2) 2x4's	(2) 2x6's	(2) 2x6's	(2) 2x8's
17'	(2) 2x4's	(2) 2x6's	(2) 2x6's	(2) 2x8's	
18'	(2) 2x4's	(2) 2x6's	(2) 2x8's	(2) 2x8's	

Example: a pergola with a 17' rafter span and a 10' beam span requires (2) 2x6 beam.



Submittal Documents:

1. Plans Set including framing plans like the examples shown (PDF drawn to scale):
2. Site plan (PDF drawn to scale)
3. Payment
4. Permit application
5. Name of Licensed Contractor doing the work or for homeowners of single family detached homes that occupy the residence may perform with work and sign a homeowner affidavit at time of permit application.

Required Inspections:

1. Setback and footing (only if using piers)
2. Rough Electric (only if part of scope)
2. Rough Frame (If using concealed connectors, provide manufacturer's instructions at inspection).
3. Final Building and Final Electric (if applicable)