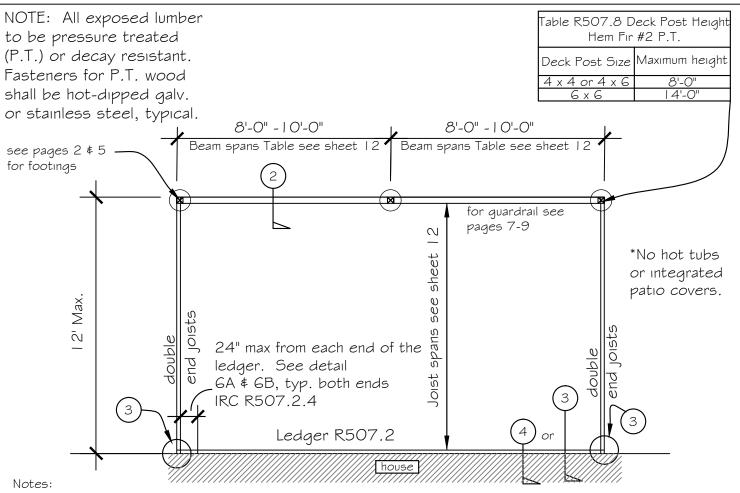


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- R507.4 Wood decking shall be attached to each supporting member with not less than (2) 8d threaded nails or (2)
- R507.5 Deck joists shall not be permitted to cantilever not greater than $\frac{1}{4}$ of the actual, adjacent joist span.
- R507.5.1 Joist ends and bearing locations shall be provided with lateral restraint to prevent rotation. Where lateral restraint is provided by joist hangers or blocking between joists, their depth shall equal not less than 60% of the joist depth. Where lateral restraint is provided by rim joists, they shall be secured to the end of each joist with not less than (3) IOd nails or (3) No. IO x 3" long wood screws.
- 4. R507.6 Beam plies shall be fastened with two rows of IOd nails minimum at I6" o.c. along each edge. Beams shall be permitted to cantilever at each end up to $\frac{1}{4}$ of the actual beam span. Splices of multispan beams shall be located at interior post locations.
- 5. R507.7 The ends of each joist and beam shall have not less than 1 $\frac{1}{2}$ " of bearing on wood or metal and not less 3" on concrete or masonry for the entire width of the beam. Joist framing into the side of a ledger board or beam shall be supported by approved joist hangers. Joists bearing on a beam shall be connected to the beam to resist lateral displacement.
- 6. R507.7.1 Deck post to Deck beams shall be capable of resisting lateral displacement. All bolts shall have washers under the head and nut.
- R507.8. I Post shall bear on footings and be restrained to prevent lateral displacement at the bottom support with a manufactured connector or post embedment of 12" in concrete piers.



DECK FLOOR PLAN-Elevated Deck

Table R507.5 Deck Joist spans

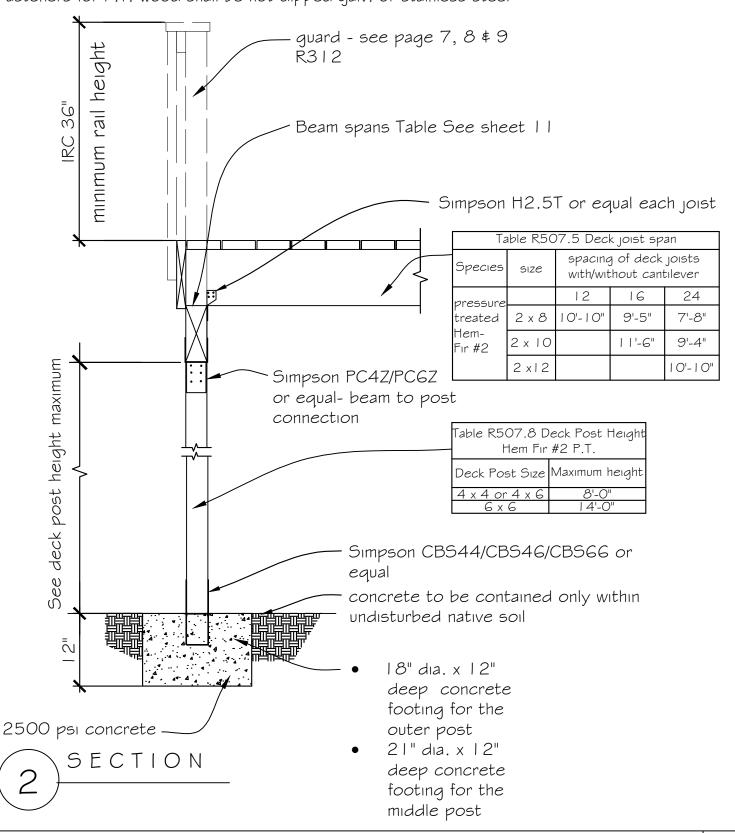
Table R507.6 Deck Beam spans for beams supporting deck joists from one side only. Table WAC R301.5 Balconies (exterior) and decks live load 60 psf (see section R507.1 for decks attached to exterior walls. Dead load 10 psf.



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NOTE: All exposed lumber to be pressure treated (P.T.) or decay resistant. Fasteners for P.T. wood shall be hot-dipped galv. or stainless steel

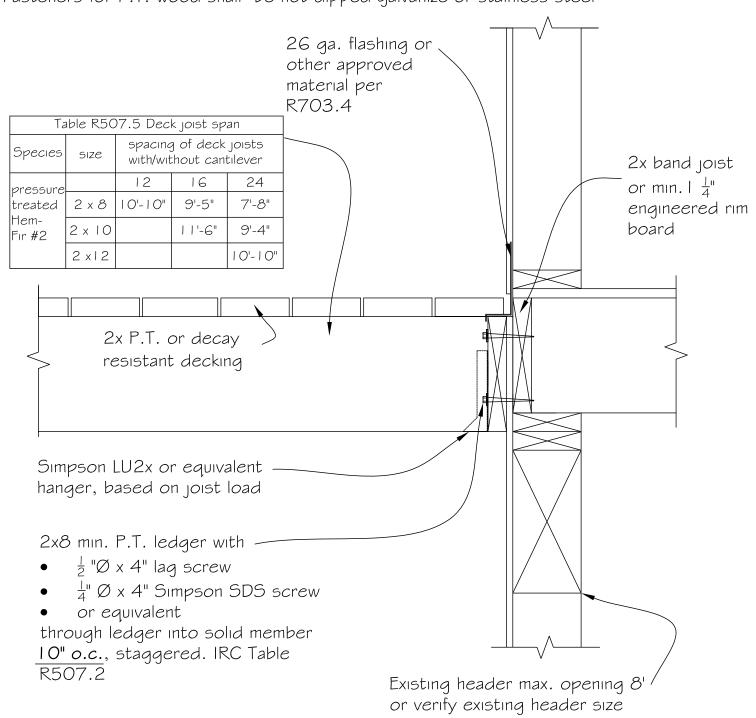




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TYPICAL LEDGER CONNECTION



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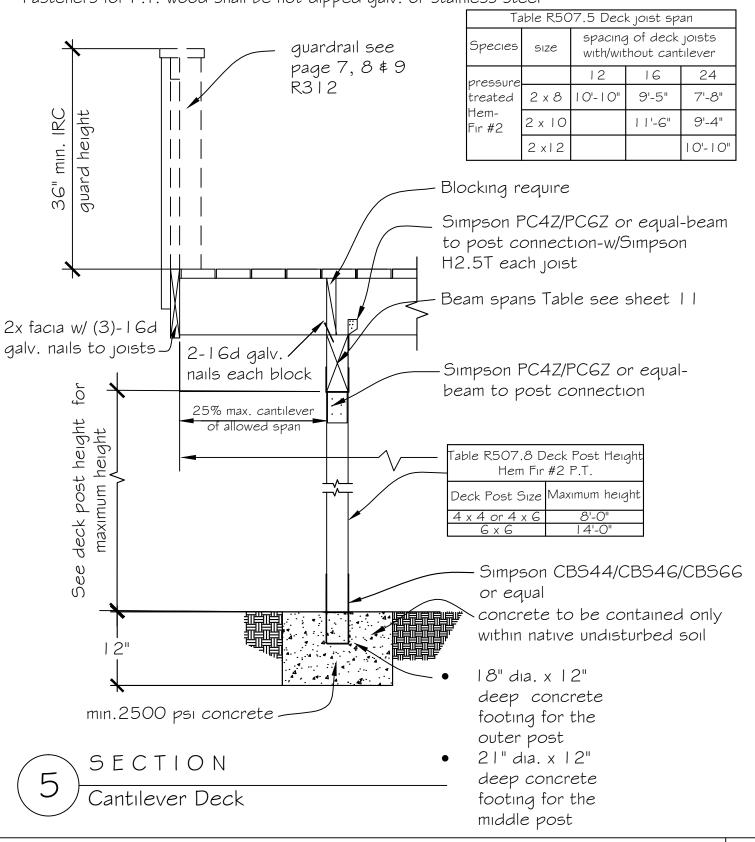
TYPICAL LEDGER CONNECTION



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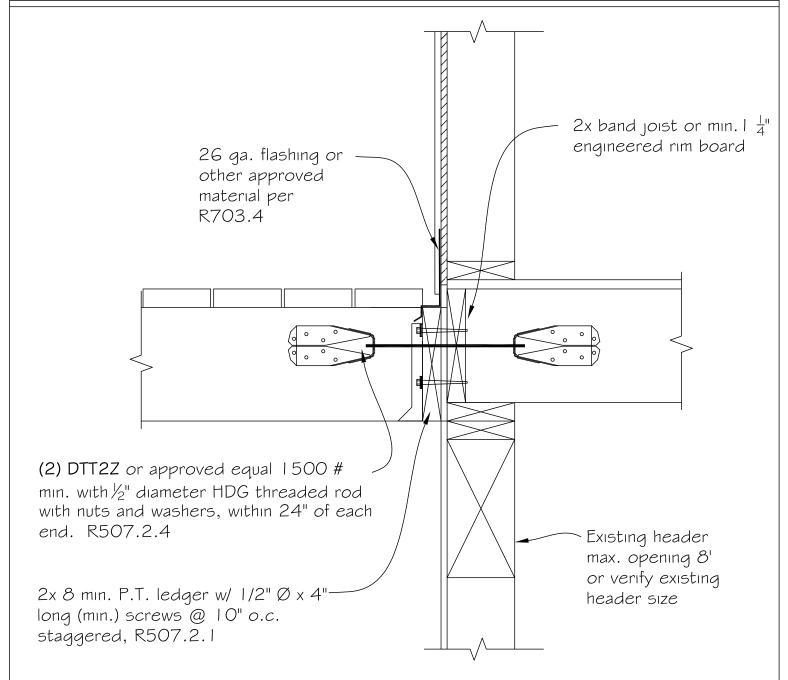
NOTE: All exposed lumber to be pressure treated (P.T.) or decay resistant. Fasteners for P.T. wood shall be hot-dipped galv. or stainless steel





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NOTES:

- All exposed lumber to be pressure treated (P.T.) or decay resistant. Fasteners for P.T. wood shall be hot-dipped galvanize or stainless steel.
- 2. All hardware to be installed per manufacturer specifications.



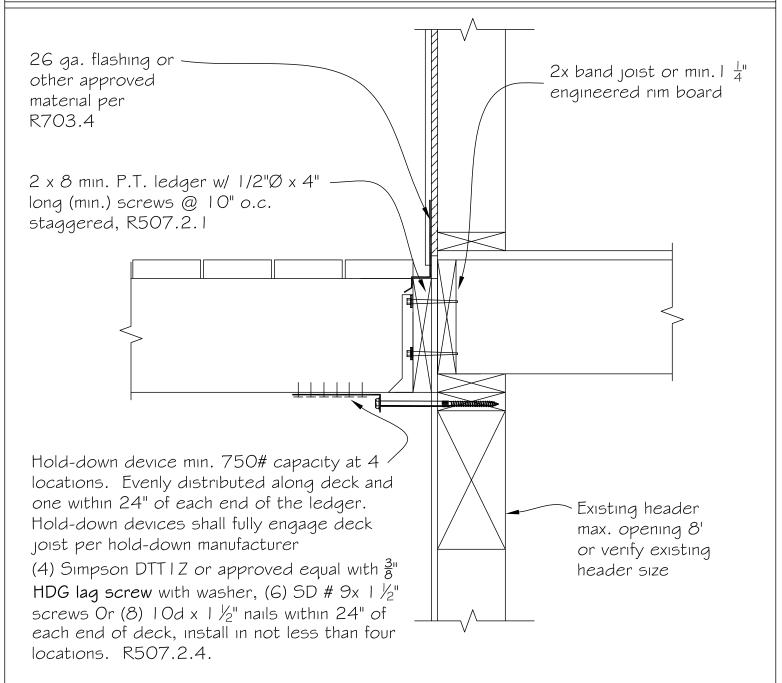
DECK ATTACHMENT FOR LATERAL LOADS

for (2) 1500# connectors



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NOTES:

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- All hardware to be installed per manufacturer specifications.



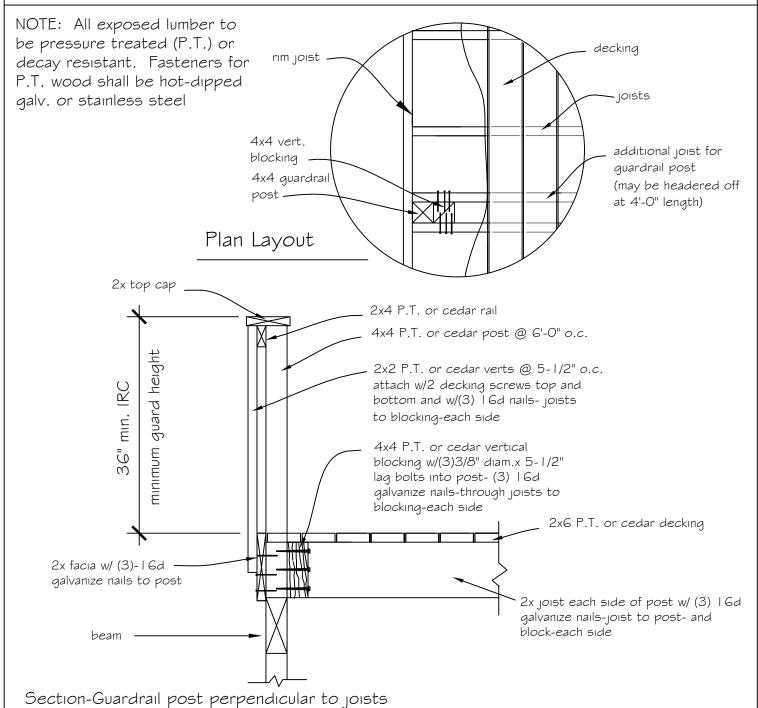
DECK ATTACHMENT FOR LATERAL LOADS

for (4) 750# connectors



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SECTION THROUGH GUARDRAIL

Non-Cantilever

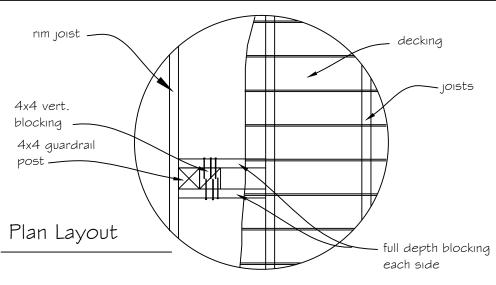
NOTE: See Sheets 1 through 5 for items not noted. See page 5 for cantilever deck

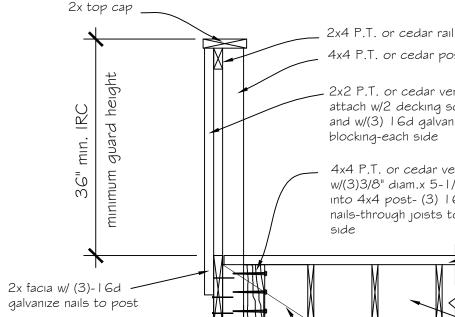


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NOTE: All exposed lumber to be pressure treated (P.T.) or decay resistant. Fasteners for P.T. wood shall be hot-dipped galv. or stainless steel





4x4 P.T. or cedar post @ 6'-0" o.c.

2x2 P.T. or cedar verts @ 5-1/2" o.c. attach w/2 decking screws top and bottom and w/(3) I 6d galvanize nails- joists to blocking-each side

4x4 P.T. or cedar vert. blocking w/(3)3/8" diam.x 5-1/2" lag bolts into 4x4 post- (3) I 6d galvanize nails-through joists to blocking-each side

2x6 P.T. or cedar decking

2x joist each side of 4x4 post w/ (3) I 6d galvanize nails-joist to post- and block-each side

where 4x4 guardrail posts are perpendicular to joists, use 2x solid blocking each side of 4x4 vert. block and 4x4 quardrail post and nail to joists and 4x4's w/ (3) 16d



SECTION THROUGH GUARDRAIL

Non-Cantilever

Section- Guadrail post parallel to joists

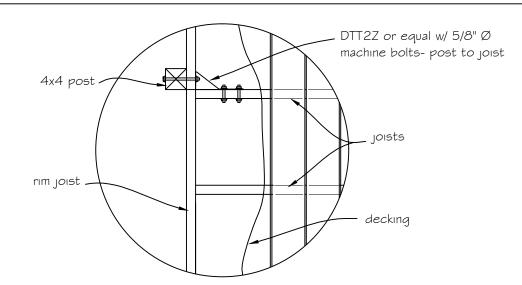
NOTE: See Sheets | through 5 for items not noted. See page 5 for cantilever deck

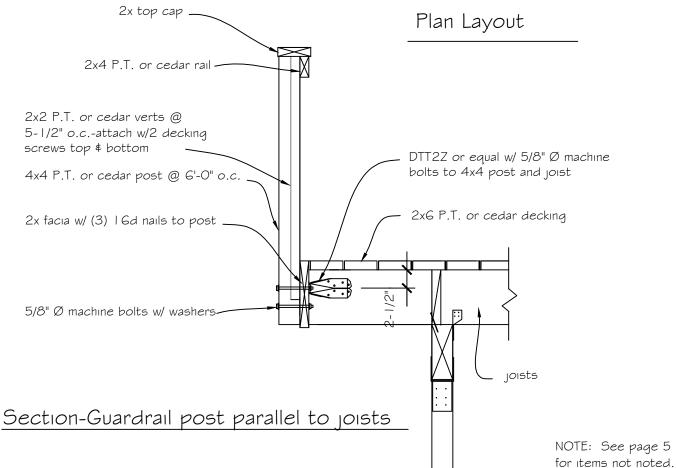


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NOTE: All exposed lumber to be pressure treated (P.T.) or decay resistant. Fasteners for P.T. wood shall be hot-dipped galv. or stainless steel





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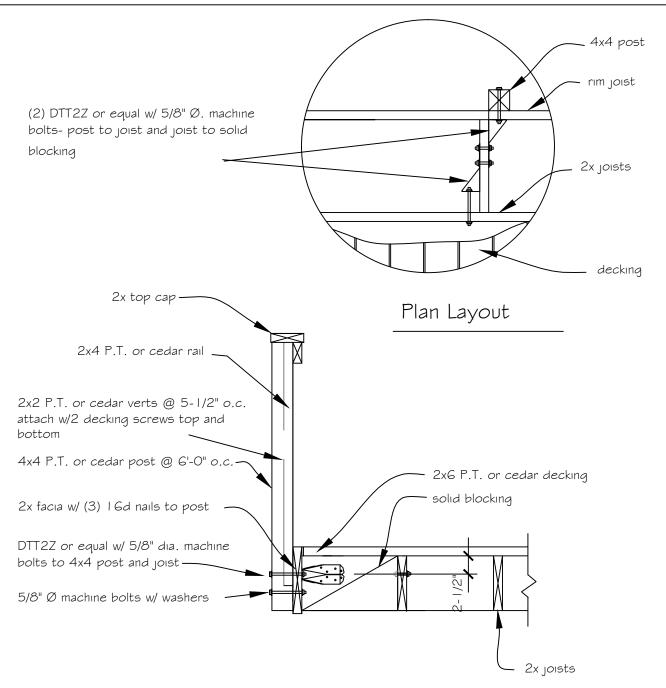
GUARDRAIL ATTACHMENT

Cantilever



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Section-Guadrail post perpendicular to joists

NOTE: See page 5 for items not noted.



GUARDRAIL ATTACHMENT

Cantilever



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NOTE: All exposed lumber to be pressure treated (P.T.) or decay resistant. Fasteners for P.T. wood shall be hot-dipped galv. or stainless steel

Shaded area meets beam span

Beams

Deck Beam Span Lengths @ 8'-0"				
Species	sıze	Joist Deck Span Less than or equal		
		8	10	12
H. F. #1	4 x 8			
H.F. #1	4 x 10			
H.F. #2	4 x 12			
H.F. #1	6 x 8			
H.F. #2	6 x 10			

Deck Beam Span Lengths @ 8'-0"				
Species	sıze	Joist Deck Span Less than or equal		
		6+2 cant	8+2 <i>c</i> ant	10+2 cant
H.F. #1	4 x 10			
H.F. #2	4 x 10			
H.F. #2	4 x 12			
H.F.#1	6 x 8			
H.F #1	6 x 10			
H.F #2	6 x 10			

Deck Beam Span Lengths @ 10'-0"				
Species	sıze	Joist Deck Span Less than or equal		Less
		8	10	12
H.F. #1	4 x 10			
H.F. #2	4 x 12			
H.F. #1	6 x 10			
H.F. #2	6 x 10			
H.F. #2	6 x 12			

Deck Beam Span Lengths @ 10'-0"				
Species	Joist Deck Span Les			
		6+2 cant	8+2 cant	10+2 cant
H.F. #1	6 x 10			
H.F. #1	6 x 12			
H.F. #2	6 x 12			

Joist

Ta	able R507.5 Deck joist span			
Species pressure		spacing of deck joists with/without cantilever		
.treated		12	16	24
Hem-	2 x 8	10'-10"	9'-5"	7'-8"
Fir #2	2 x 10		11'-6"	9'-4"
	2 x l 2			10'-10"

	Table R507.8 Deck Post Heigh Hem Fir #2 P.T.		
	Deck Post Size	Maxımum height	
1	4×4 or 4×6	8'-0"	

Post