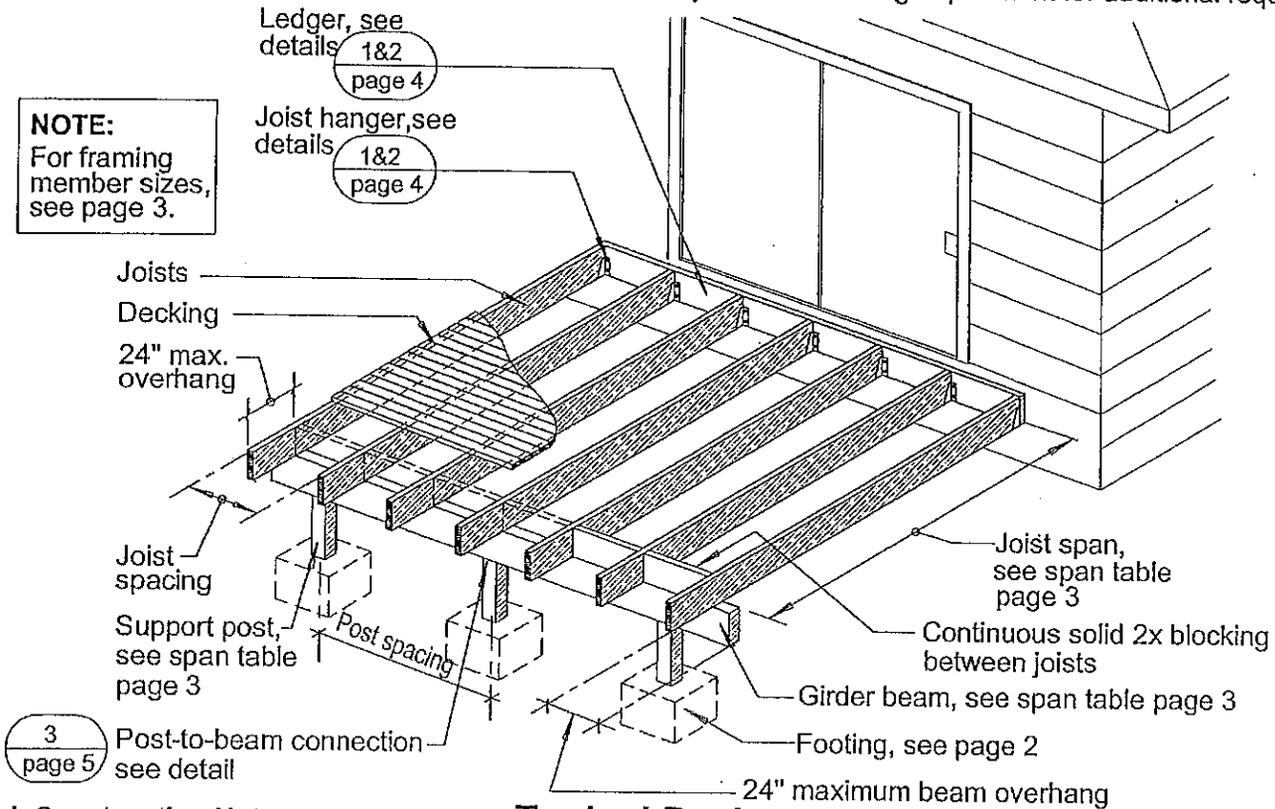


2009 IRC

This tip sheet may be used as a guide for single-family residential uncovered deck permits.

Submittal Requirements:

1. Two Site Plans showing dimensions of your deck and its relationship to existing buildings or structures on the property and the distance to existing property lines drawn to scale. Include the project address on the drawings.
2. Two Plans showing the framing layout of your deck.
3. Fill out a building permit application.
4. If your deck will occur on a steep slope, please contact your local building department for additional requirements.



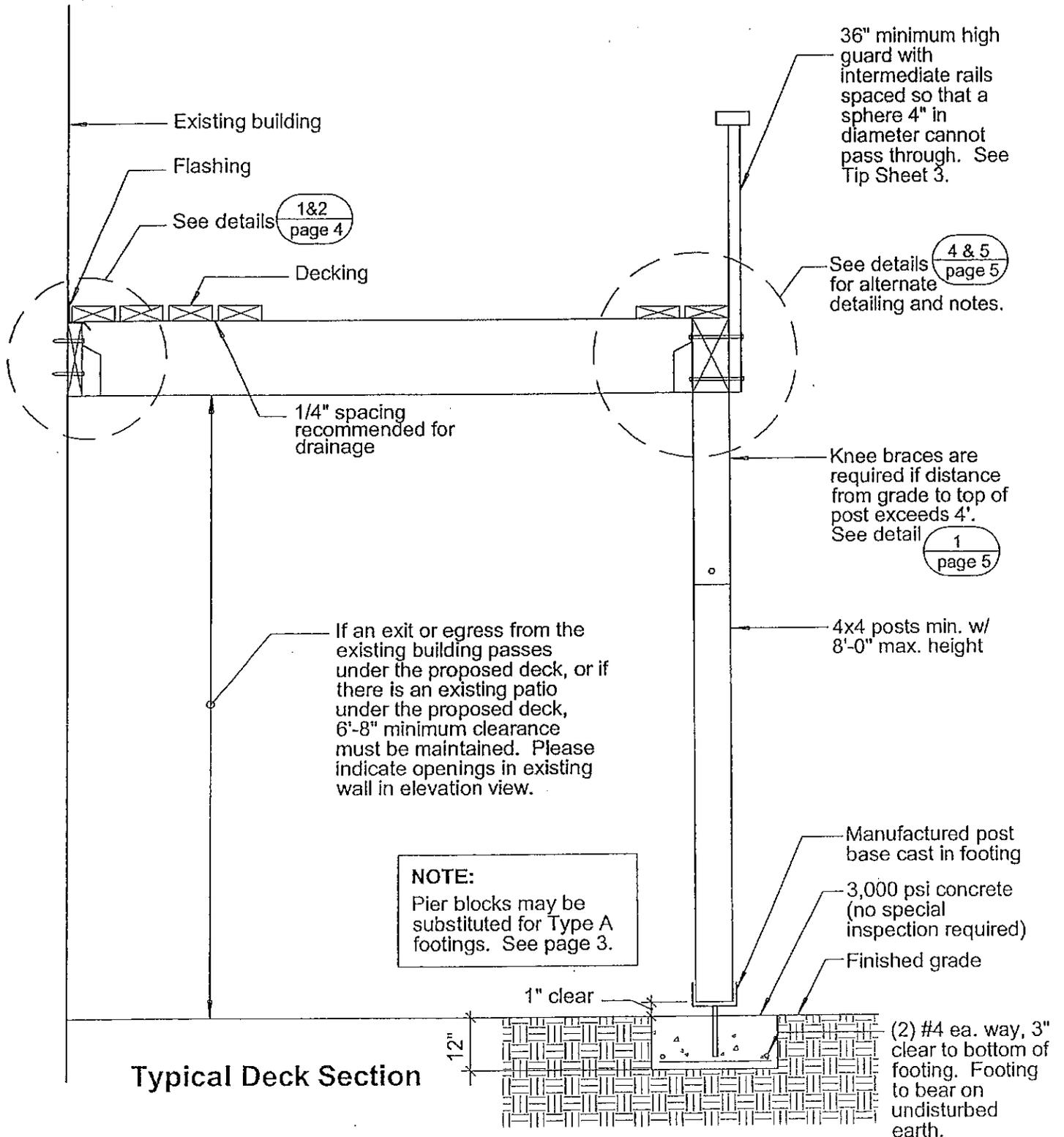
Deck Construction Notes:

Typical Deck

1. The illustrations and information in this tip sheet may be used for decks whether or not they require a permit. See Tip Sheet 0 for permit requirements.
2. All wood must be pressure treated or naturally resistant to decay. Treat all cut ends with end-cut solution. Use ground-contact treated wood.
3. Fasteners, hangers, nails, etc., must be stainless steel, hot-dipped galvanized, or as specifically required for the specified wood preservative used. The coating weights for zinc-coated fasteners to be in accordance with ASTM A 153. Provide documentation in the field showing the required fastener protection considering the wood chosen for your deck.
4. You may modify any components of this tip sheet with justification by analysis or calculation. Any modifications must be reviewed prior to permit issuance.
5. See Tip Sheet 1 for stairs, 2 for handrails, and 3 for guards.
6. This tip sheet is intended to represent good construction practices for deck construction and related IRC requirements.
7. All wood assumed to be Hem-Fir #2 or better.

GENERAL INFORMATION:

- Consult with your local planning department regarding required setbacks.
- Obtain a building permit before starting construction.
- The intent of this tip sheet is to address the basics of private residential deck construction only and does not address the subject in great detail. Additional information can be found at your local building department, home improvement store, or library.



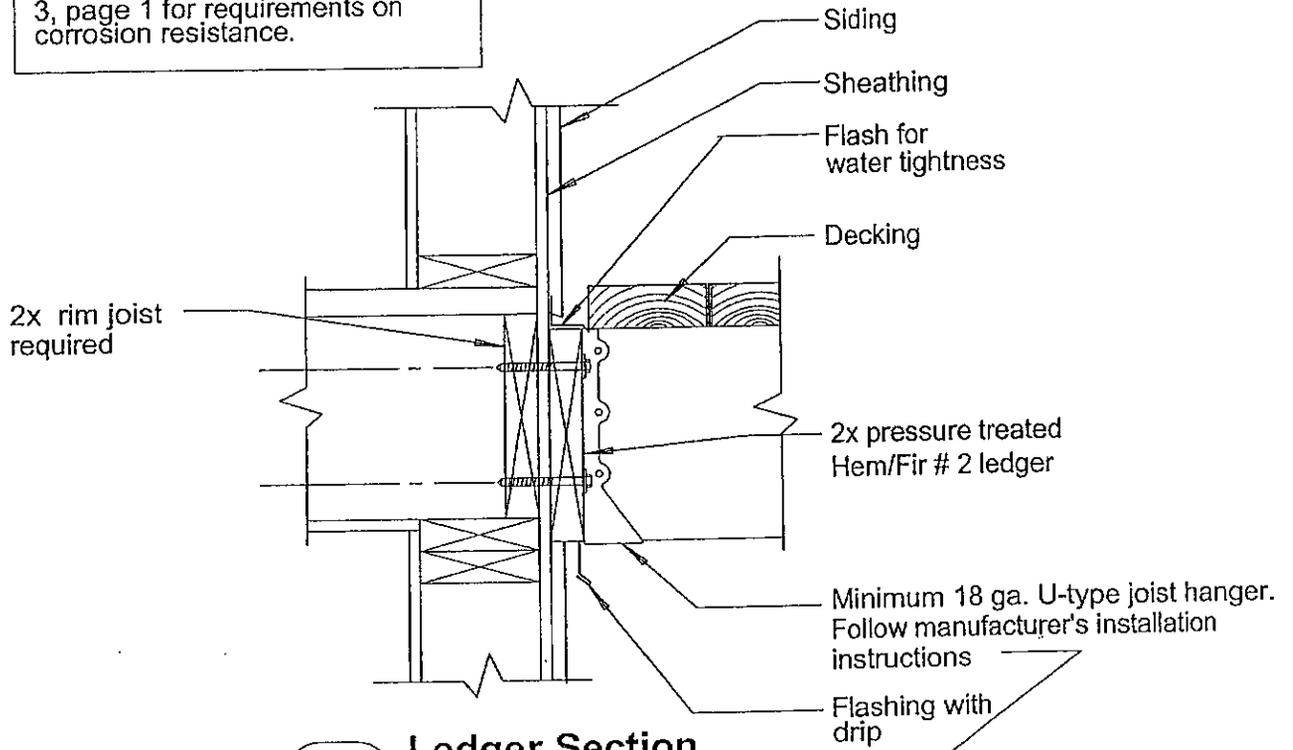
Typical Deck Section

Span Table Footing Schedule For Outside Decks									
Spans based on use of No.2 Hem-Fir or better									
50 p.s.f. loading (10 p.s.f. Dead Load + 40 p.s.f. Live Load)									
Beam spans and footings assume maximum 24" overhang									
Joist size	Spacing of joists	Max. span of joists	3/8" x 4 1/2" lag screw max. spacing on 2x ledger	Max. span of girder beams between posts / footing type					
				4x6	Footing	4x8	Footing	4x10	Footing
2X6	@ 12 in	9 ft - 10 in	5 in	5 ft - 5 in	B	7 ft - 2 in	B	8 ft - 10 in	C
	@ 16 in	8 ft - 9 in	6 in	5 ft - 8 in	B	7 ft - 6 in	B	9 ft - 2 in	B
	@ 24 in	7 ft - 1 in	7 in	6 ft - 1 in	B	8 ft - 0 in	B	9 ft - 10 in	B
2X8	@ 12 in	12 ft - 9 in	4 in	4 ft - 11 in	B	6 ft - 6 in	B	8 ft - 0 in	B
	@ 16 in	11 ft - 1 in	4 in	5 ft - 2 in	A	6 ft - 11 in	B	8 ft - 5 in	C
	@ 24 in	9 ft - 0 in	5 in	5 ft - 7 in	B	7 ft - 5 in	B	9 ft - 1 in	B
2X10	@ 12 in	15 ft - 7 in	3 in	4 ft - 7 in	B	6 ft - 0 in	B	7 ft - 5 in	C
	@ 16 in	13 ft - 6 in	3 in	4 ft - 10 in	B	6 ft - 5 in	B	7 ft - 10 in	C
	@ 24 in	11 ft - 0 in	4 in	5 ft - 3 in	A	6 ft - 11 in	B	8 ft - 5 in	B
FOOTING TYPES									
TYPE	SIZE	NOTE:							
A	12" X 12" X 12"	Pier blocks may be substituted for Type A footings							
B	16" X 16" X 12"								
C	18" x 18" x 12"								
*Footing sizes based on assumed soil bearing pressure of 2000 p.s.f. Contact your jurisdiction for additional restrictions.									

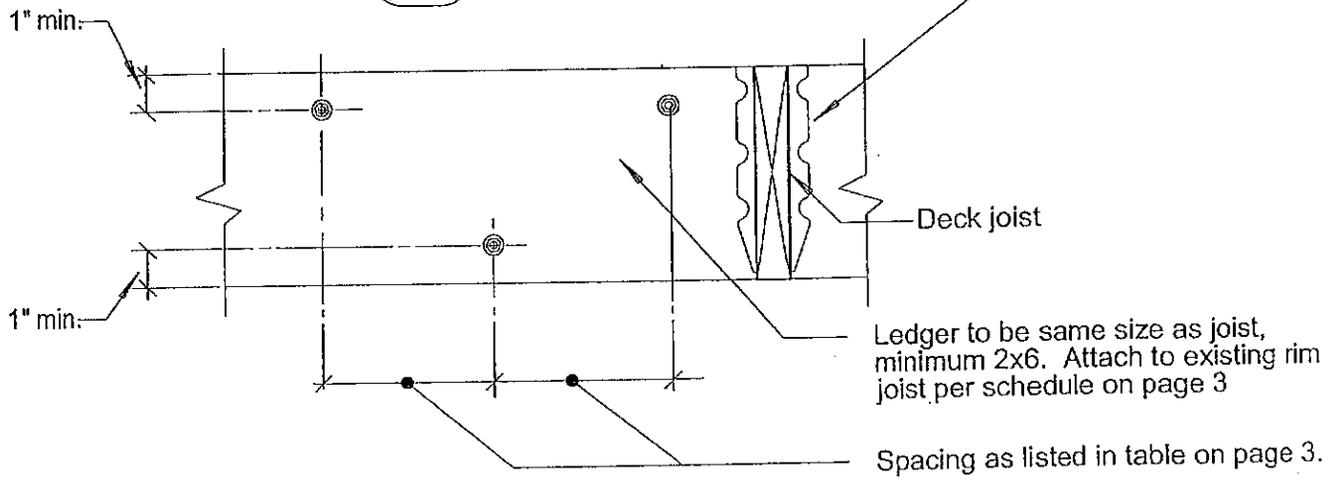
Deck Construction Connections		
All fasteners, nails, bolts, screws, etc. must be corrosion resistant. See Deck Construction Note 3, page 1.		
Follow manufacturer's instructions for timber connectors.		
Connections		Nailing
1	Joist on deck beam; toenail each end	(3) 8d
2	Bridging or blocking to joist; toenail ea. side, ea. end	(3) 8d
3	2x decking to joist or deck beam; blind and face nail	(2) 16d

NOTE:

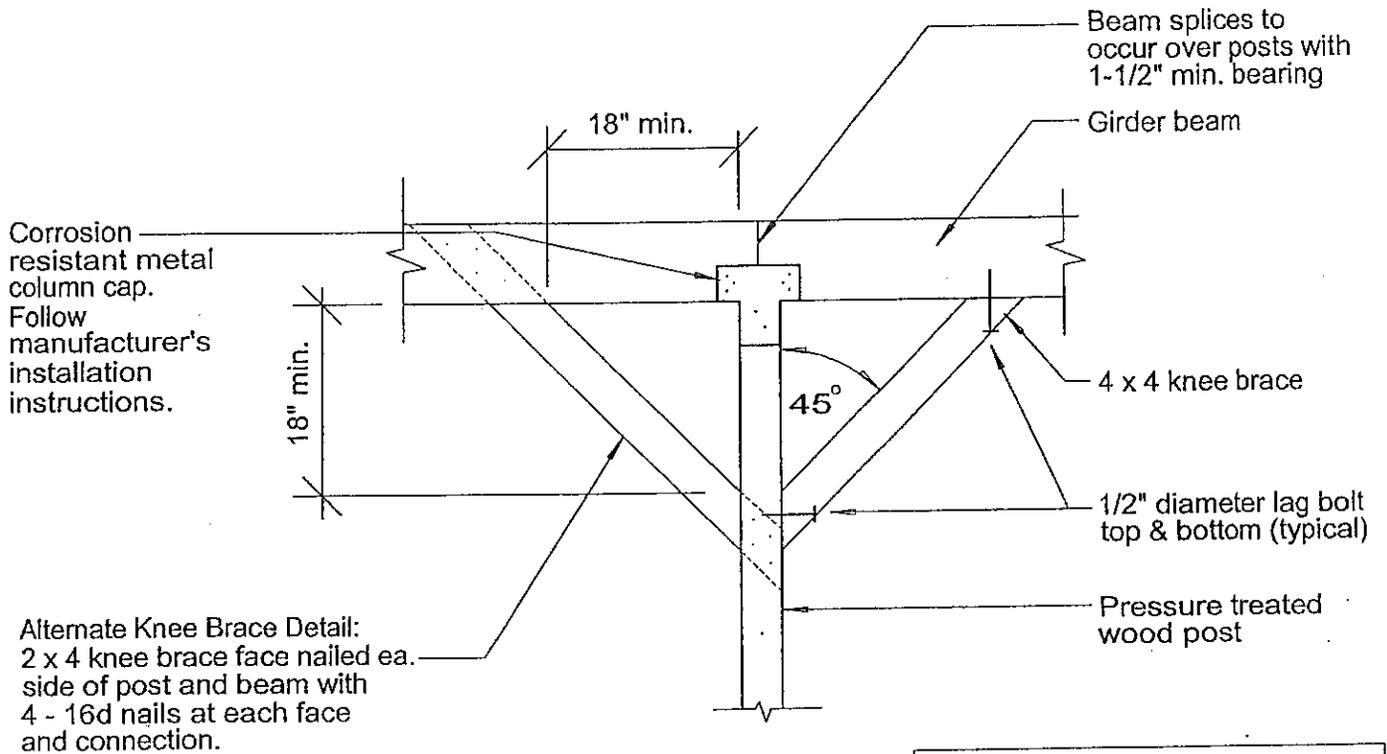
Refer to Deck Construction Note 3, page 1 for requirements on corrosion resistance.



1 **Ledger Section**
page 4

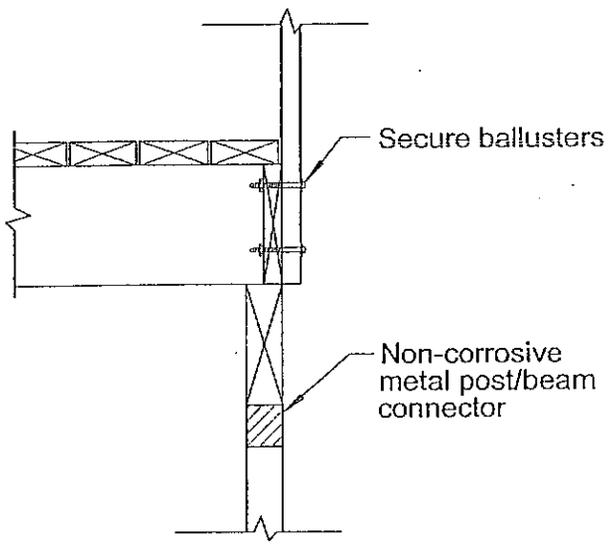


2 **Ledger Elevation**
page 4

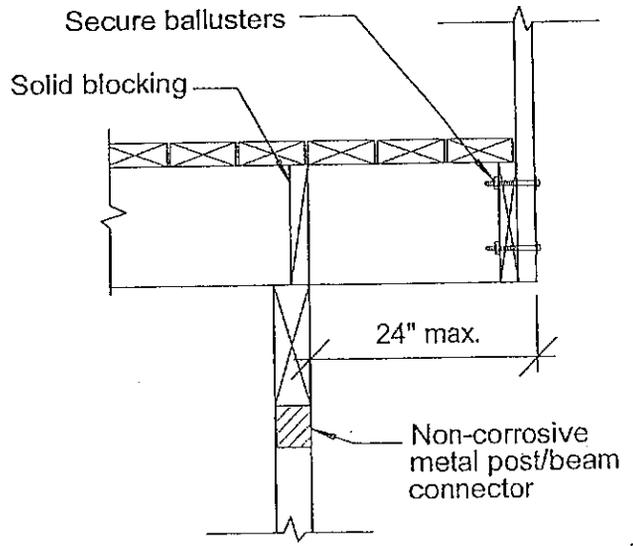


3 **Knee Brace Detail**
page 5

NOTE:
Knee braces are required if distance from grade to top of post exceeds 4 feet.



4 **Alternate Joist-to-Beam Condition**
page 5



5 **Alternate Joist-to-Beam Condition**
page 5