

# DECK DETAILS

FOR A ONE OR TWO-FAMILY RESIDENTIAL STRUCTURE

APPLICANT:

ADDRESS:

NOTE: ANY TRUSSES OR MANUFACTURED LUMBER  
MEMBERS MUST HAVE A COMPUTER-GENERATED  
LOAD CALCULATION PRINTOUT.  
(AVAILABLE THROUGH YOUR SUPPLIER)

BEAM	JOISTS	BOLTS (AT HOUSE)	DECKING
MATERIAL:	MATERIAL:	MATERIAL:	MATERIAL:
SIZE:	SIZE:	SIZE:	THICKNESS:
SPAN:	SPACING:	SPACING:	

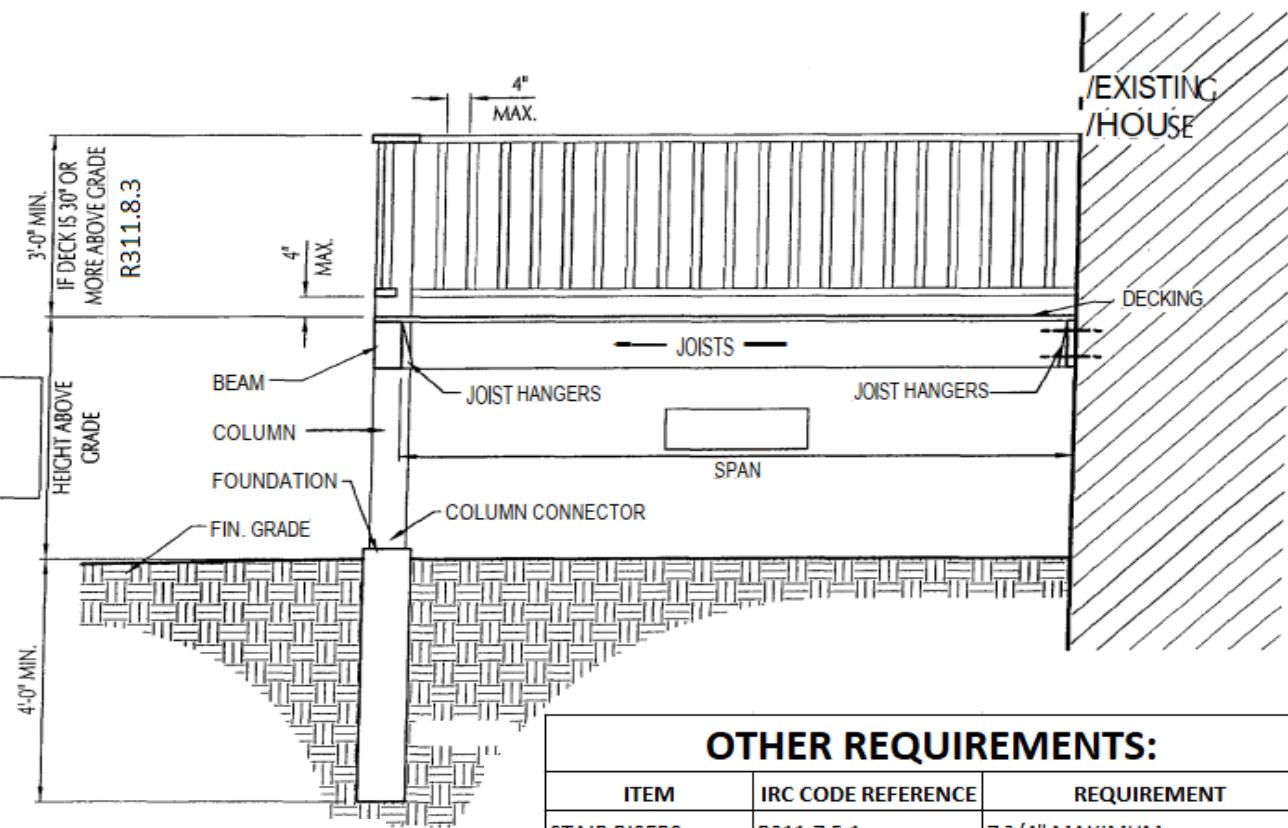
COLUMN	FOUNDATION	JOIST HANGERS	COLUMN CONNECTOR
MATERIAL:	MATERIAL:	BRAND:	BRAND:
SIZE:	SIZE:	MODEL #:	MODEL #:

SIZE	






SIZE



## OTHER REQUIREMENTS:

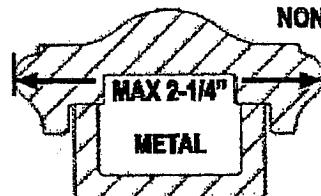
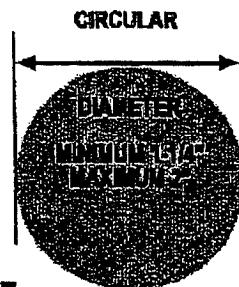
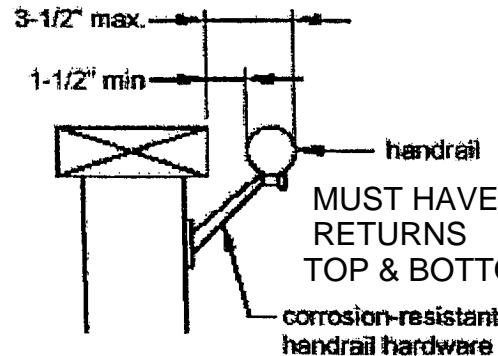
ITEM	IRC CODE REFERENCE	REQUIREMENT
STAIR RISERS	R311.7.5.1	7 3/4" MAXIMUM
STAIR TREADS	R311.7.5.2	10" MINIMUM
STAIR WIDTH	R311.7.1	36"
STAIR HEADROOM	R311.7.2	6'8" MINIMUM
HANDRAIL HEIGHT	R311.7.8.1	34"-38" ABOVE STAIR NOSINGS
HANDRAIL DETAILS	R311.7.8.3	ONE SIDE, WITH RETURNS



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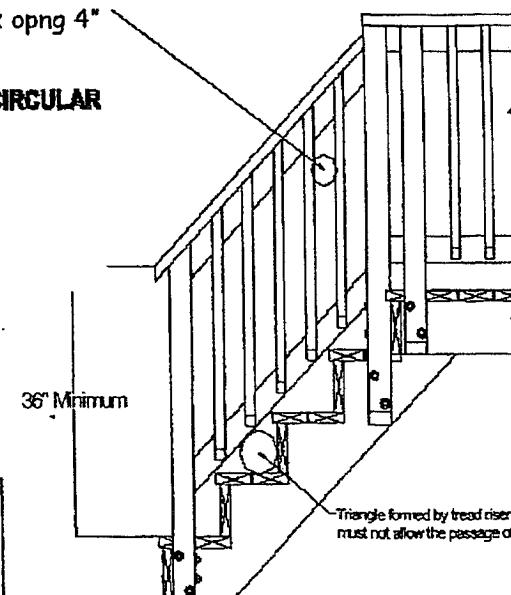
For reference only

( 2006 International Residential Code Requirements )



Stair Guardrail

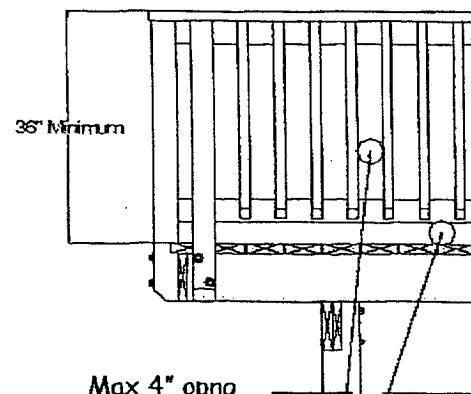
Max opng 4"



### Allowed Handrail configurations

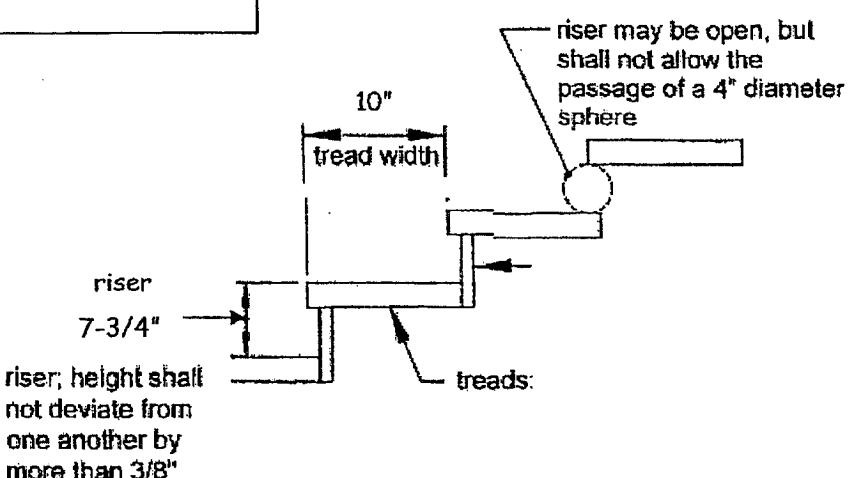
*\*Handrail Reqd on at least one side of stairs with a run of 4 or more risers*

*\*Guardrail Reqd on open sides of stairs for decks more than 30" above grade*



Max 4" opng

Deck Guardrail



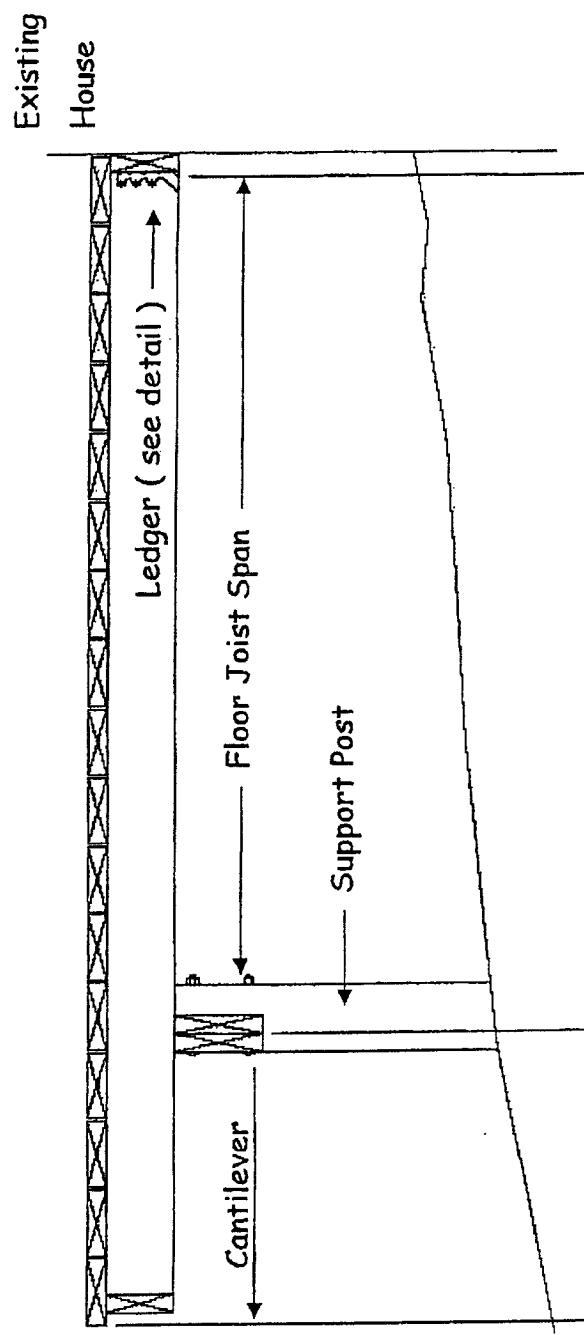
Stair Profile

## STAIR & HANDRAIL / GUARDRAIL REQUIREMENTS

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Allowed Cantilever Spans			
2 X 8 @ 16" o.c.	29' Max		
2 X 10 @ 16" o.c.	42' Max		
2 X 12 @ 16" o.c.	57' Max		

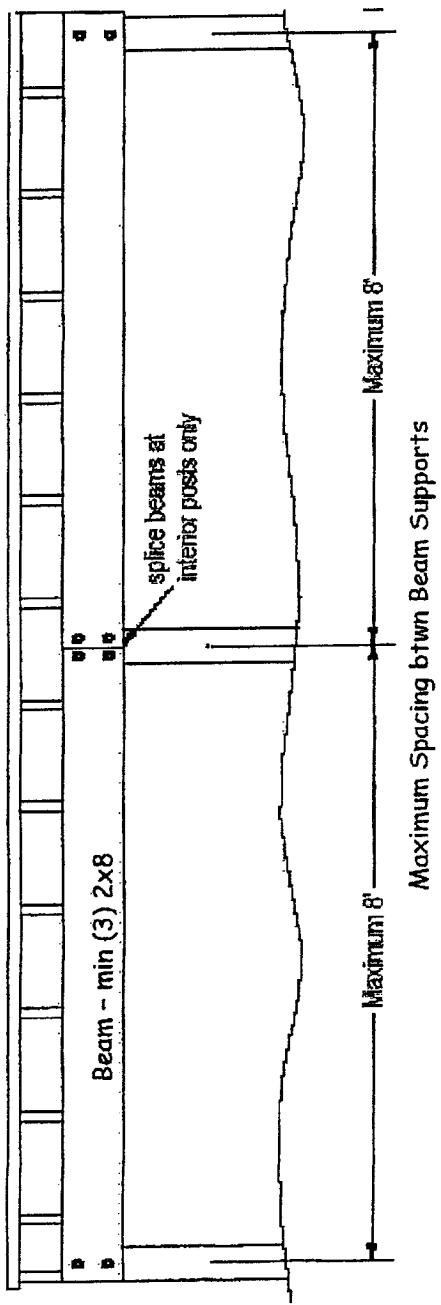
FLOOR JOIST SPAN TABLE

Joist Size	Joist Spacing	Joist Span
2x6	16" o.c.	9'-7"
	24" o.c.	7'-10"
2x8	16" o.c.	12'-2"
	24" o.c.	10'-1"
2x10	16" o.c.	16'-0"
	24" o.c.	13'-1"
2x12	16" o.c.	18'-9"
	24" o.c.	15'-4"

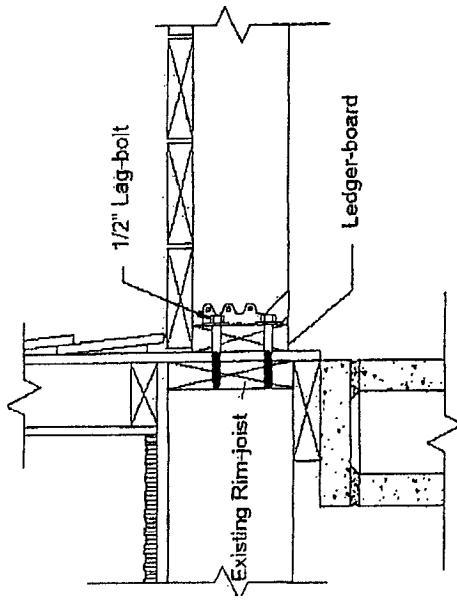
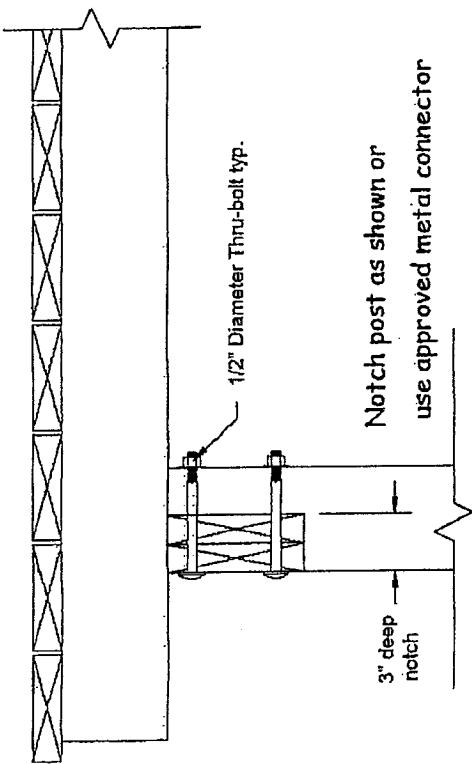
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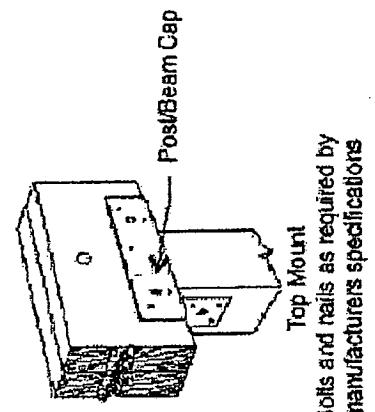
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Maximum Spacing btwn Beam Supports



Ledger Board Connection



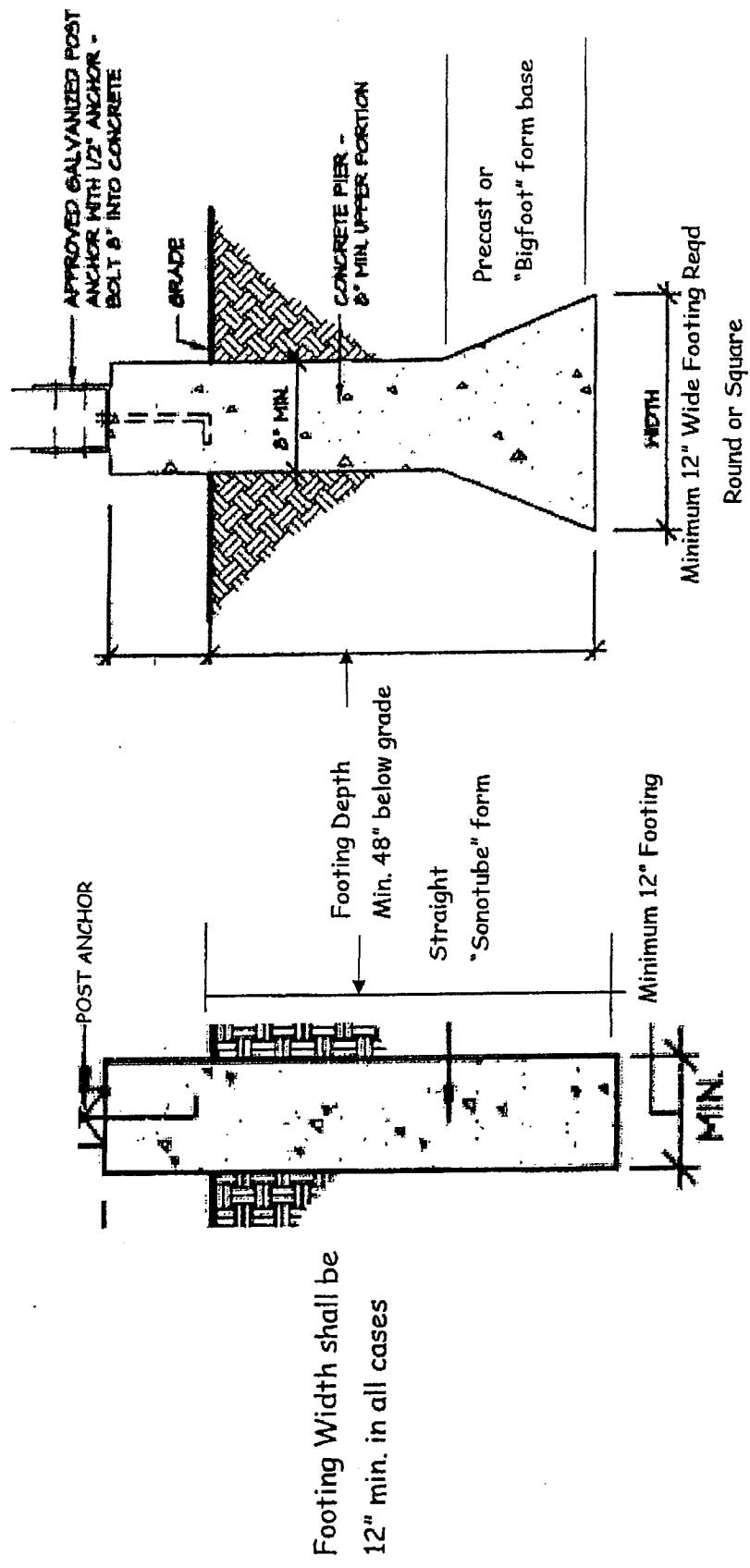
Bolts and nuts as required by manufacturers specifications

Beam to Post Connection

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## **Deck Post Footings**

Recommended footing methods