

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
MATERIAL:
SIZE:
SPAN:

JOISTS
MATERIAL:
SIZE:
SPACING:

BOLTS (AT HOUSE)
MATERIAL:
SIZE:
SPACING:

DECKING
MATERIAL:
THICKNESS:

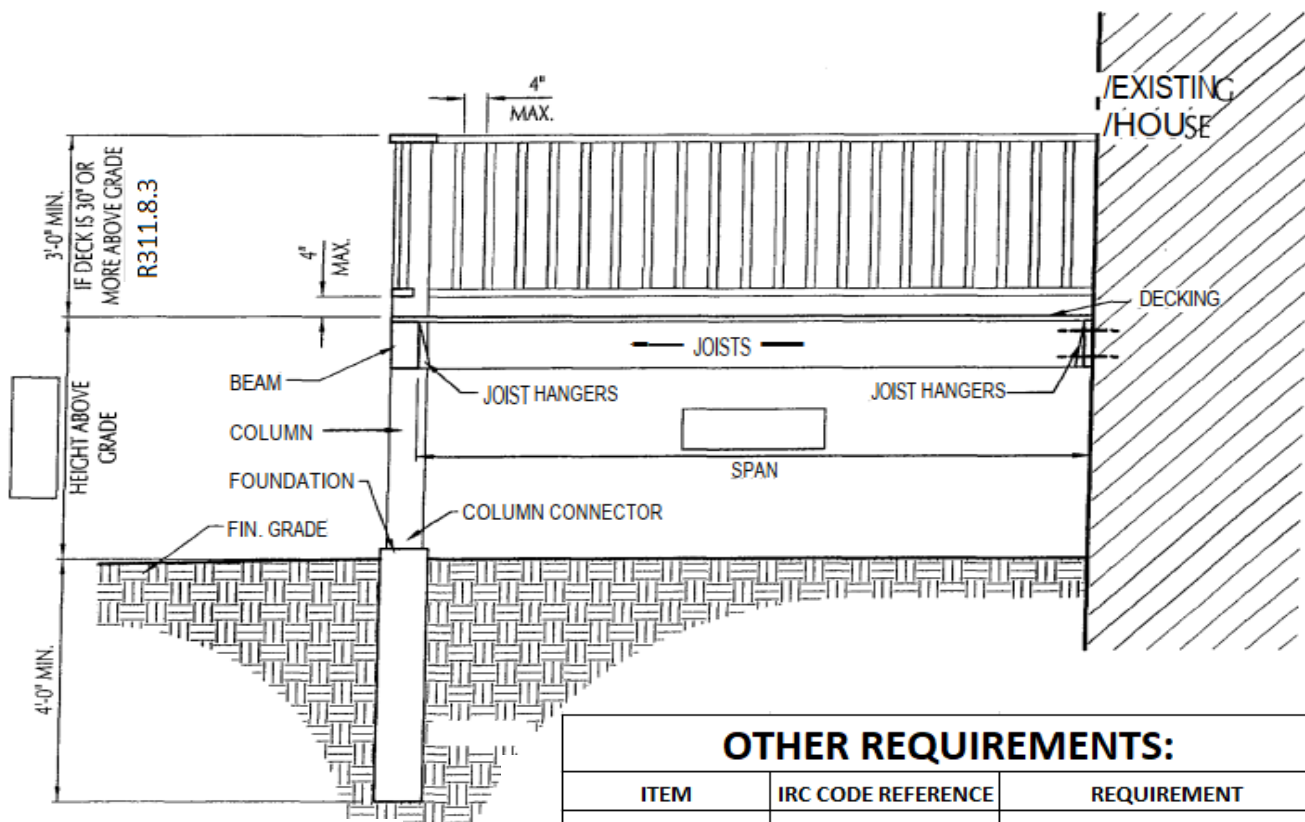
COLUMN
MATERIAL:
SIZE:

FOUNDATION
MATERIAL:
SIZE:

JOIST HANGERS
BRAND:
MODEL #:

COLUMN CONNECTOR
BRAND:
MODEL #:

SIZE



OTHER REQUIREMENTS:

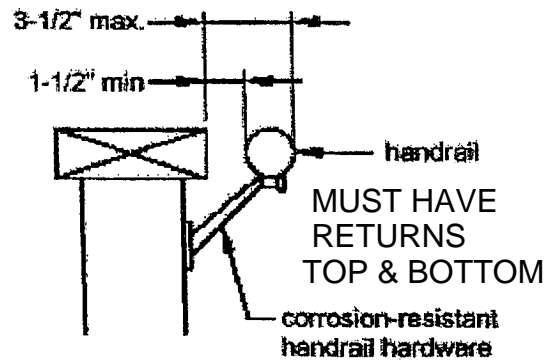
ITEM	IRC CODE REFERENCE	REQUIREMENT
STAIR RISERS	R311.7.5.1	7 3/4" MAXIMUM
STAIR TREADS	R311.7.5.2	10" MINIMUM
STAIR WIDTH	R311.7.1	36"
STAIR HEADROOM	R311.7.2	6'8" MINIMUM
HANDRAIL HEIGHT	R311.7.8.1	34"-38" ABOVE STAIR NOSINGS
HANDRAIL DETAILS	R311.7.8.3	ONE SIDE, WITH RETURNS



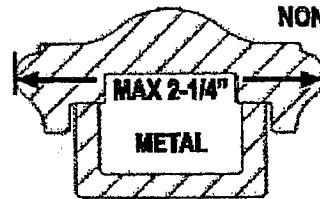
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Handrail height min. 34" - max 38" above stair nosing



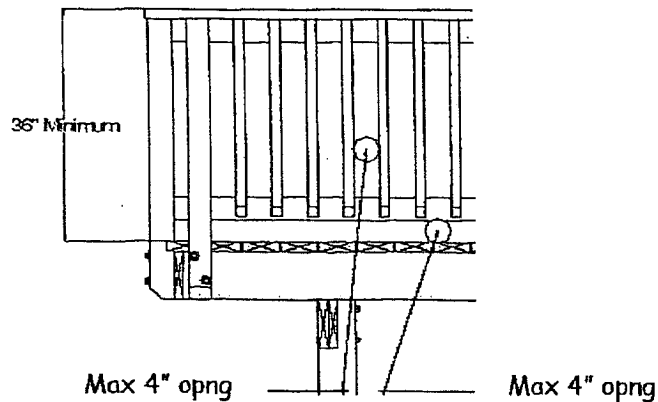
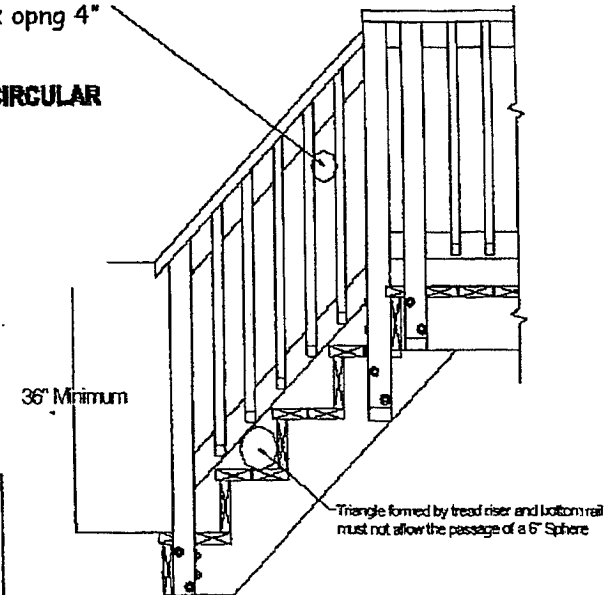
Allowed Handrail configurations

**Handrail Req'd on at least one side of stairs with a run of 4 or more risers*

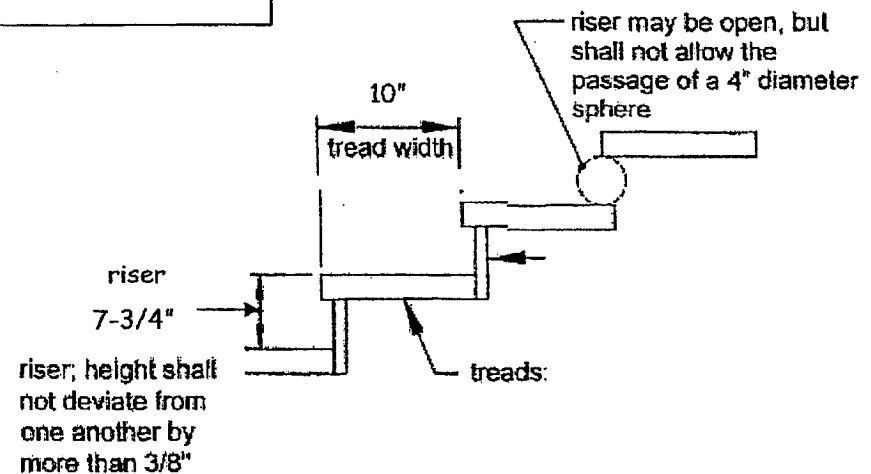
**Guardrail Req'd on open sides of stairs for decks more than 30" above grade*

Stair Guardrail

Max opng 4"



Deck Guardrail

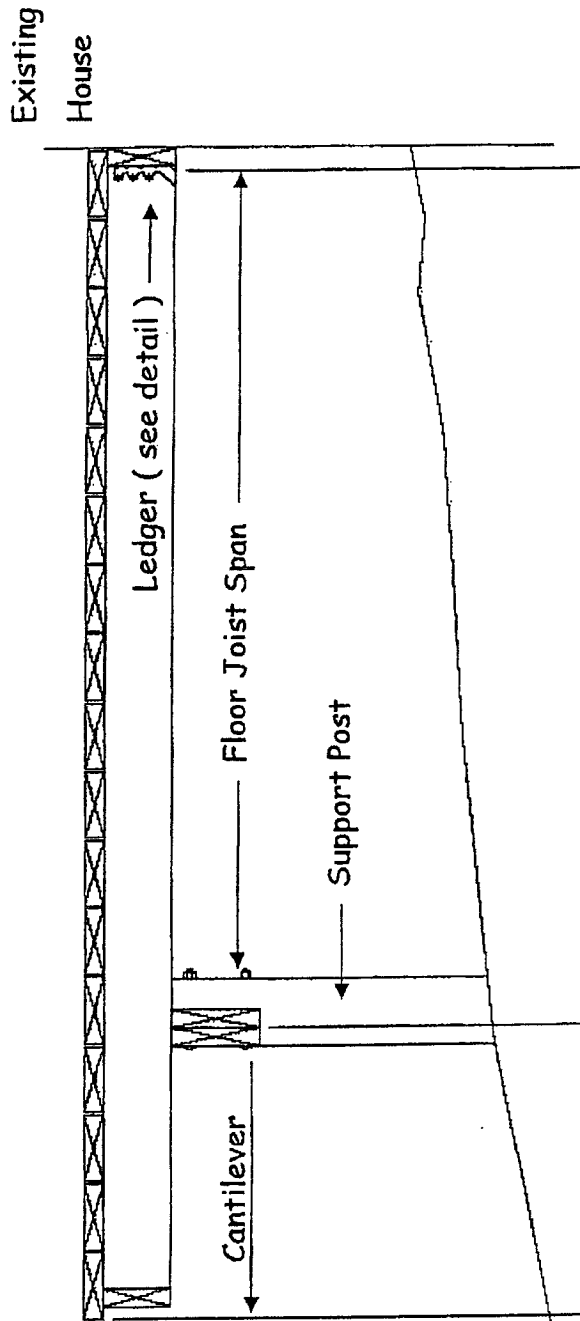


Stair Profile

STAIR & HANDRAIL / GUARDRAIL REQUIREMENTS

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Allowed Cantilever Spans
2 X 8 @ 16" oc - 29" Max
2 X 10 @ 16" oc - 42" Max
2 X 12 @ 16" oc - 57" Max

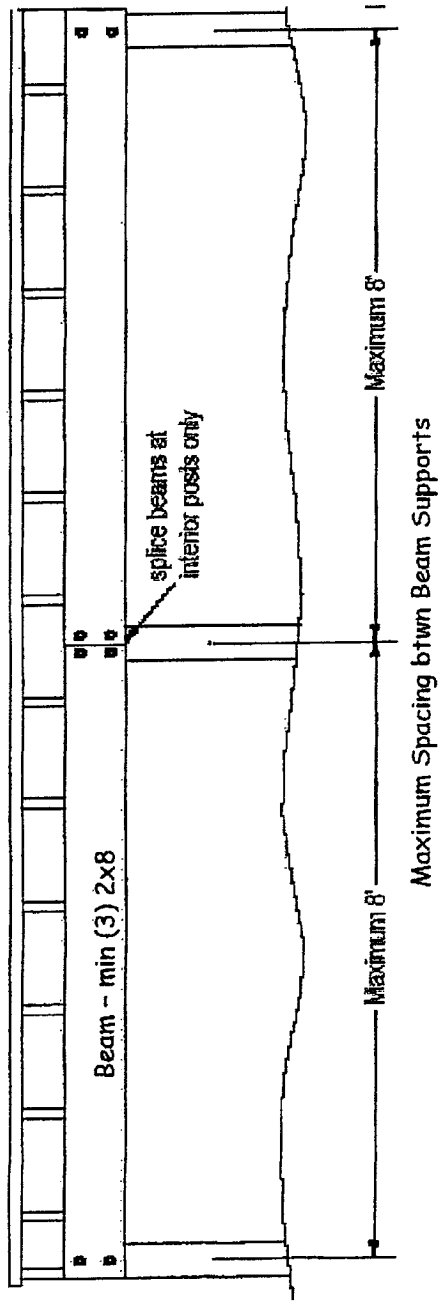
FLOOR JOIST SPAN TABLE

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"

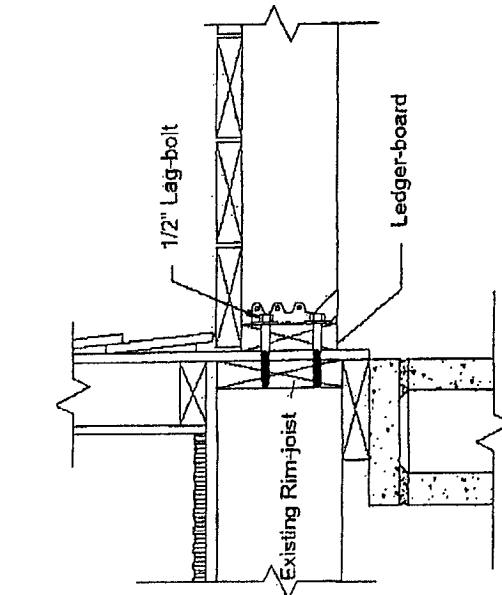
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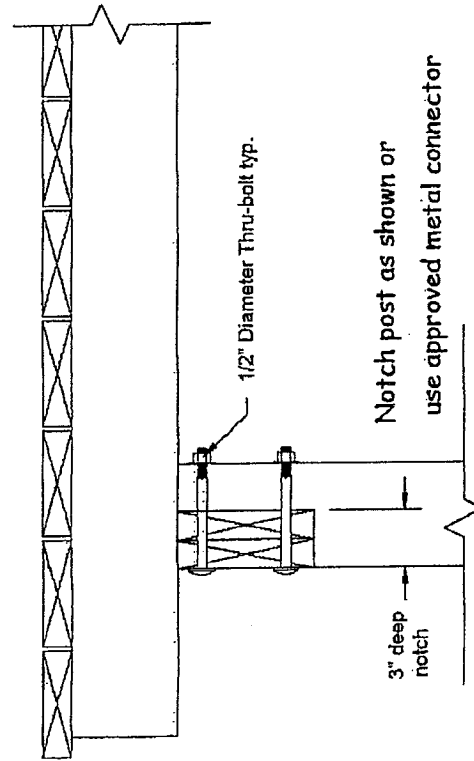
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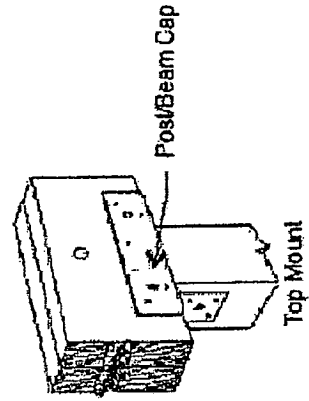
Maximum Spacing btwn Beam Supports



Ledger Board Connection



Beam to Post Connection

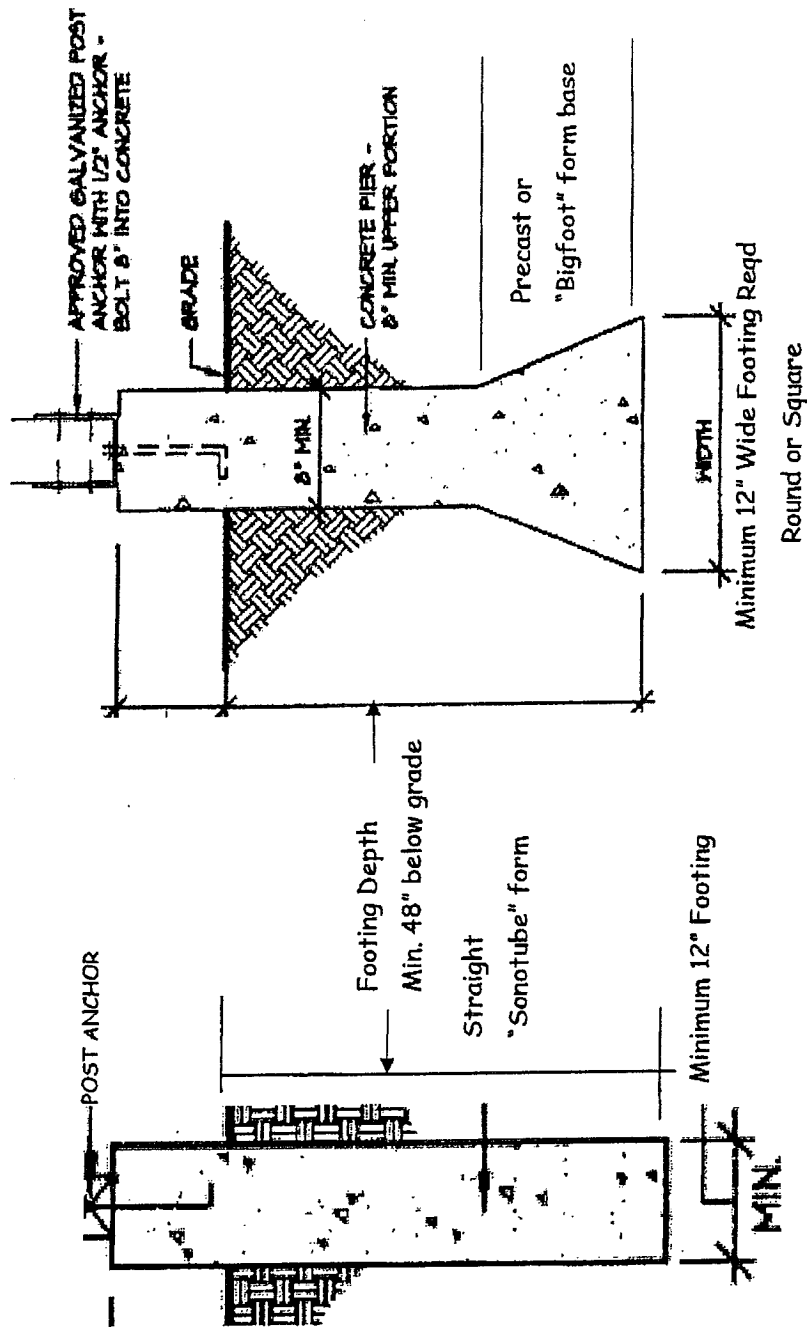


Top Mount
Bolts and nails as required by
manufacturers specifications

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Footing Width shall be
12" min. in all cases



Deck Post Footings
Recommended footing methods