

ADDRESS OF PROJECT: \_\_\_\_\_ Londonderry, NH

## DECK CONSTRUCTION APPLICATION (2021 IRC Code)

(To be submitted along with the Building Permit Application)

### 1. Provide the construction details below along with a framing plan

#### JOISTS

-Size \_\_\_\_\_  
-Spacing \_\_\_\_\_  
-Span \_\_\_\_\_

#### BEAM

-(circle one) KD or LVL  
-Size \_\_\_\_\_  
-How many \_\_\_\_\_  
-Span between posts \_\_\_\_\_

#### POSTS

-(circle one) Wood or Steel  
-Size \_\_\_\_\_

#### DECKING (circle one)

Wood  
Composite  
Other \_\_\_\_\_

#### FOOTINGS

-Type (circle one)  
Sono Tubes Only  
Sono Tube/Big Foot  
Pre-Cast  
Helical Piles\*  
\*Engineer report required after installation.  
-Size \_\_\_\_\_  
-Spacing \_\_\_\_\_  
-Depth (*minimum 4 ft. below grade*)

### 2. A framing/cross section plan is also *required*. It should show:

- The placement of the footings
- The placement of the beam
- Which way the joists are running
- Any stair location(s)

### 3. Please provide a location plan showing where the deck will be on the property showing distances from property lines, septic systems and other structures (see example)

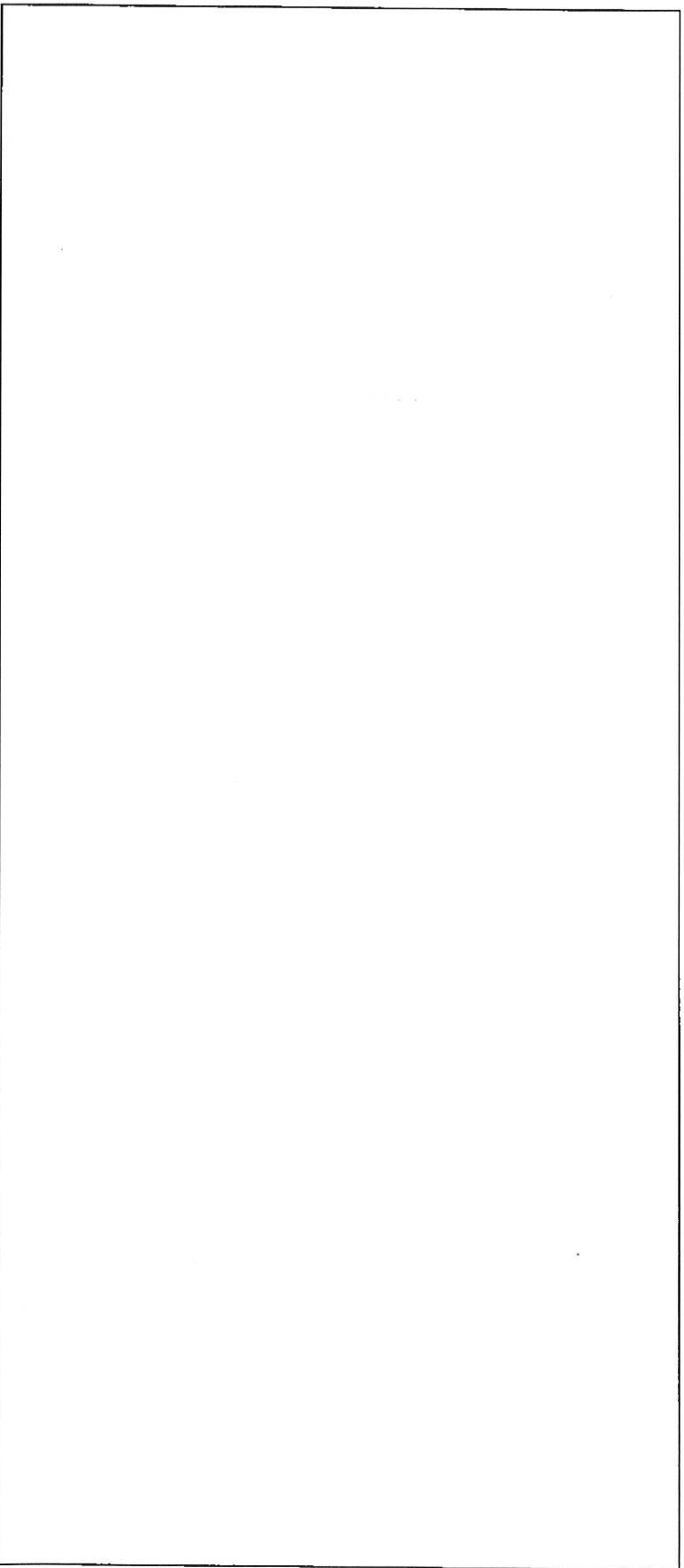
# DECK CONSTRUCTION Provide construction details for your proposed deck W / Framing Plan

Address:	Name:
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Fill in all applicable information and submit this sheet with your deck plan

Joists	Beam	Posts	Decking	Footings
Material: Size: Spacing: Span:	Material: Size: Span btwn posts:	Material: Size:	Material: Size:	Type: Size: Spacing: Depth:

**Site Plan Sketch** Show location of deck on property in relationship to Property Lines / Septic System / Other Structures



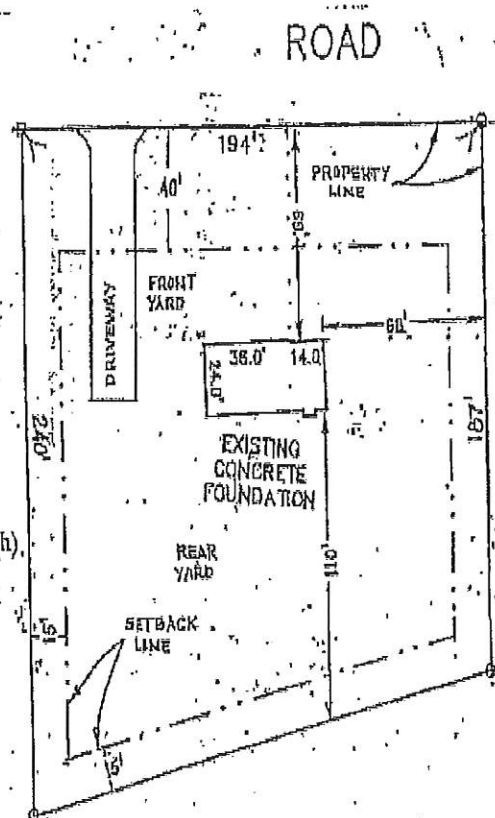
# Sample

## PLOT PLAN

In order to verify that the proposed construction will comply with zoning setback regulations and lot coverage, a Plot Plan indicating the location of all existing and proposed buildings or additions in relationship to property lines must be submitted. The plan should be drawn to scale on 8 1/2" X 11" paper. It may be helpful to use graph paper.

### SETBACK REQUIREMENTS: (Residential Zones)

- 15 ft from Rear & Side property lines
  - 40 ft from Front property line
- (Corner lots fronting on two roads, front setback shall apply to both).

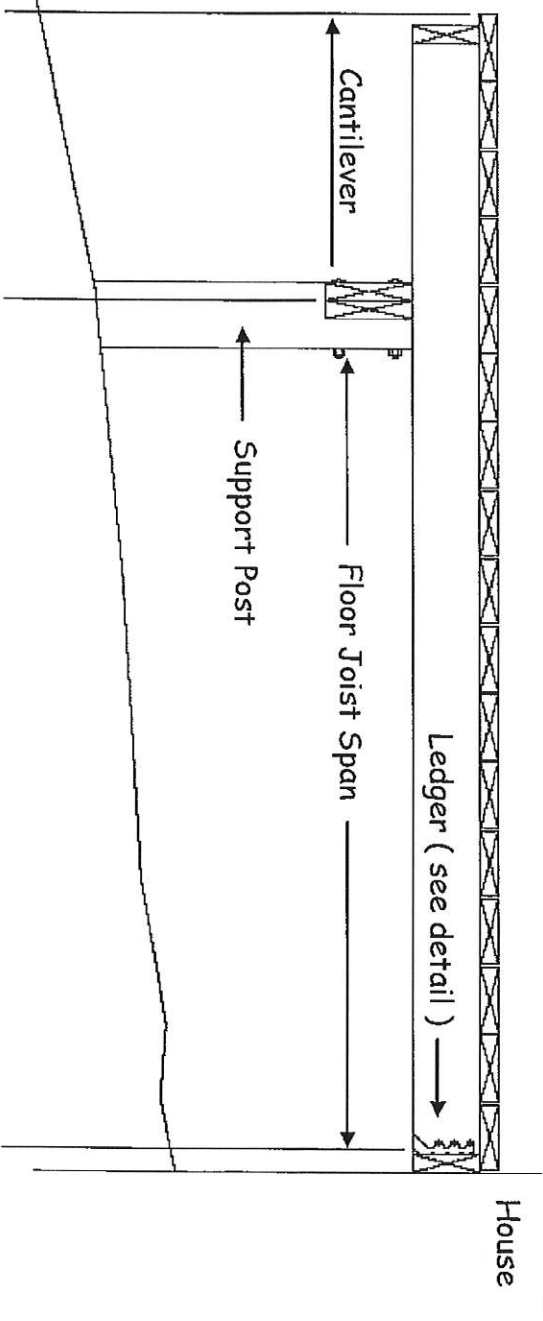


# DECK DETAILS

For reference only

( 2009 International Residential Code Requirements )

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



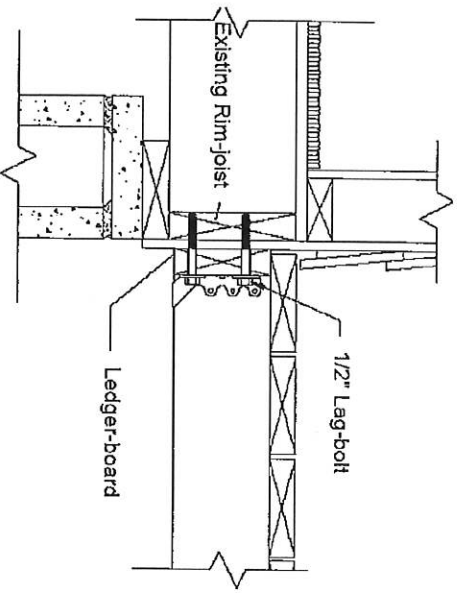
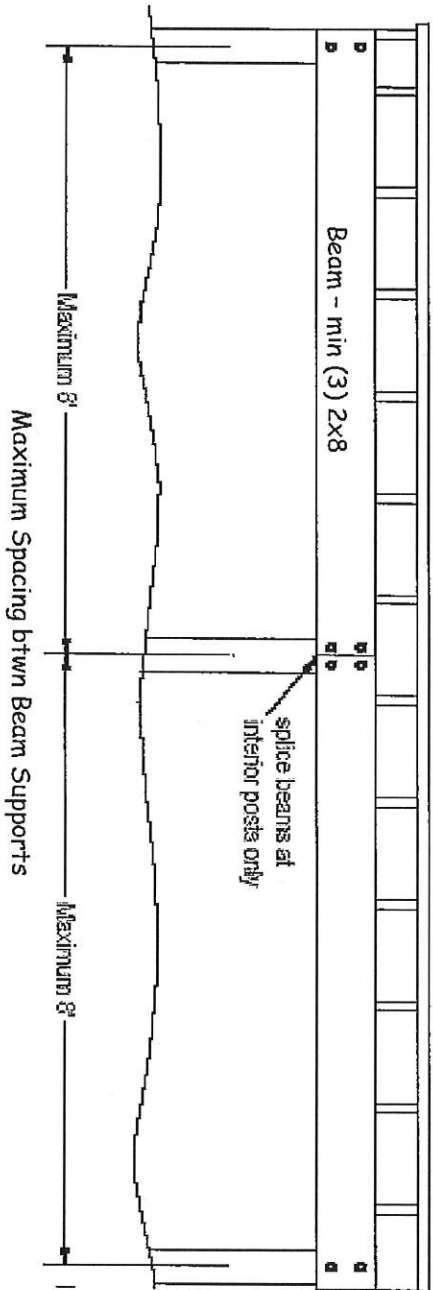
**FLOOR JOIST SPAN TABLE**

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"

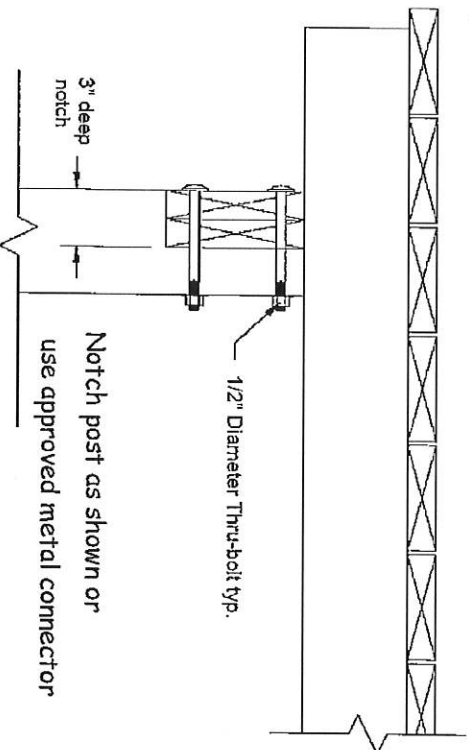
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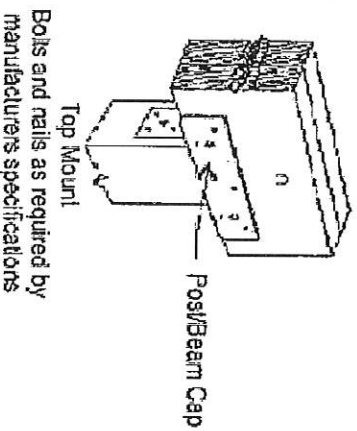
( 2009 International Residential Code Requirements )



Ledger Board Connection



Beam to Post Connection



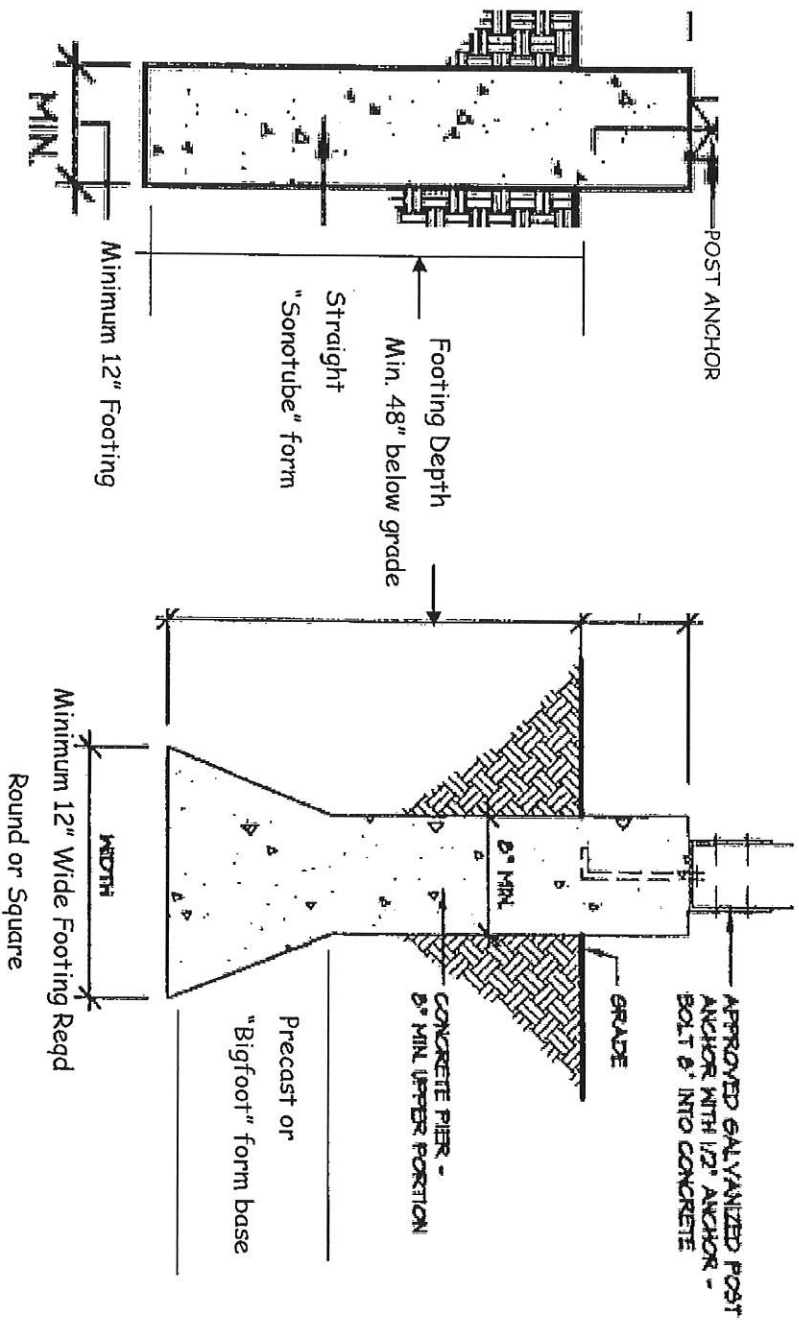
# DECK DETAILS

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- \* Block footings at 12" deep shall be allowed for deck structures of 400 square feet or less
- \* Footings at 48" deep shall be required for deck structures of more than 400 square feet, OR when a deck is attached to an existing building ( regardless of deck size )

Footings Width shall be 12" min. in all cases



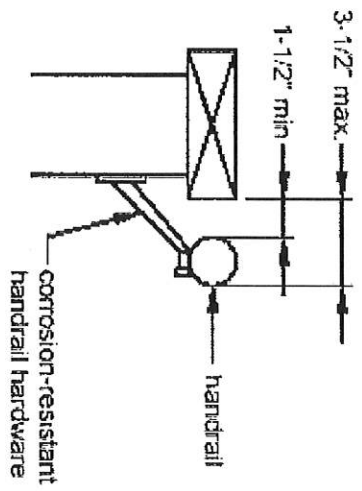
## Deck Post Footings

Recommended footing methods

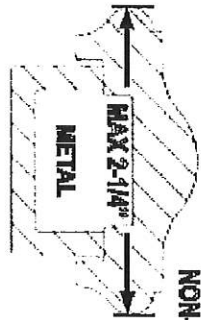
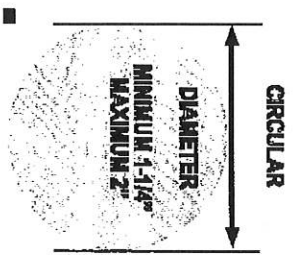
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For reference only

( 2009 International Residential Code Requirements )



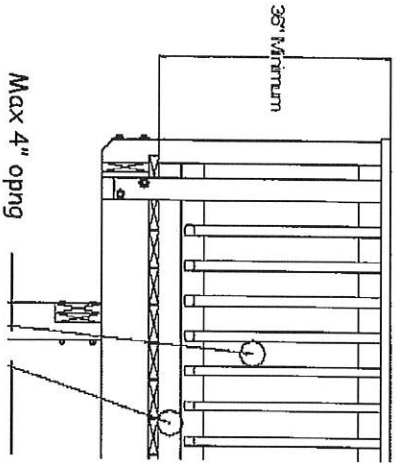
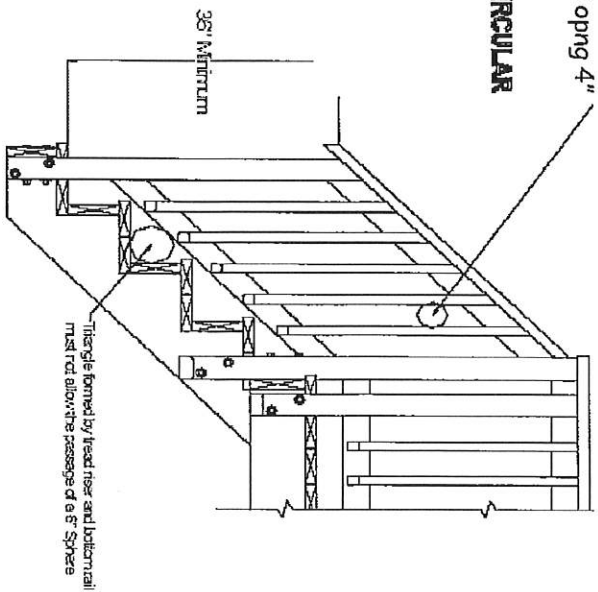
Handrail height min. 34" - max 38" above stair nosing



## 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*

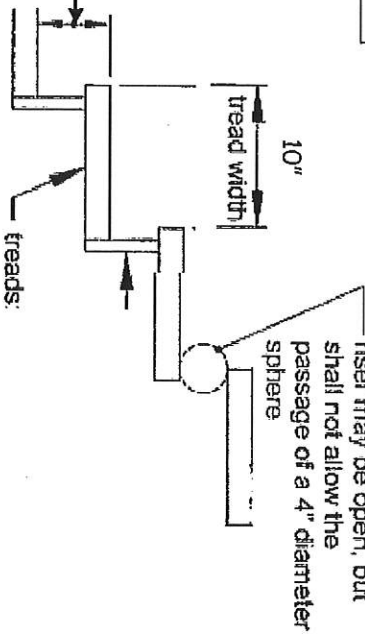
Stair Guardrail  
Max opng 4"



Deck Guardrail

riser  
7-3/4"

riser height shall not deviate from one another by more than 3/8"



Stair Profile

## STAIR & HANDRAIL / GUARDRAIL REQUIREMENTS

# ACCESS GATES FOR POOL DECKS

Above-ground Pool with adjacent deck with stairs to ground level shall be protected with an Access Gate as described below

