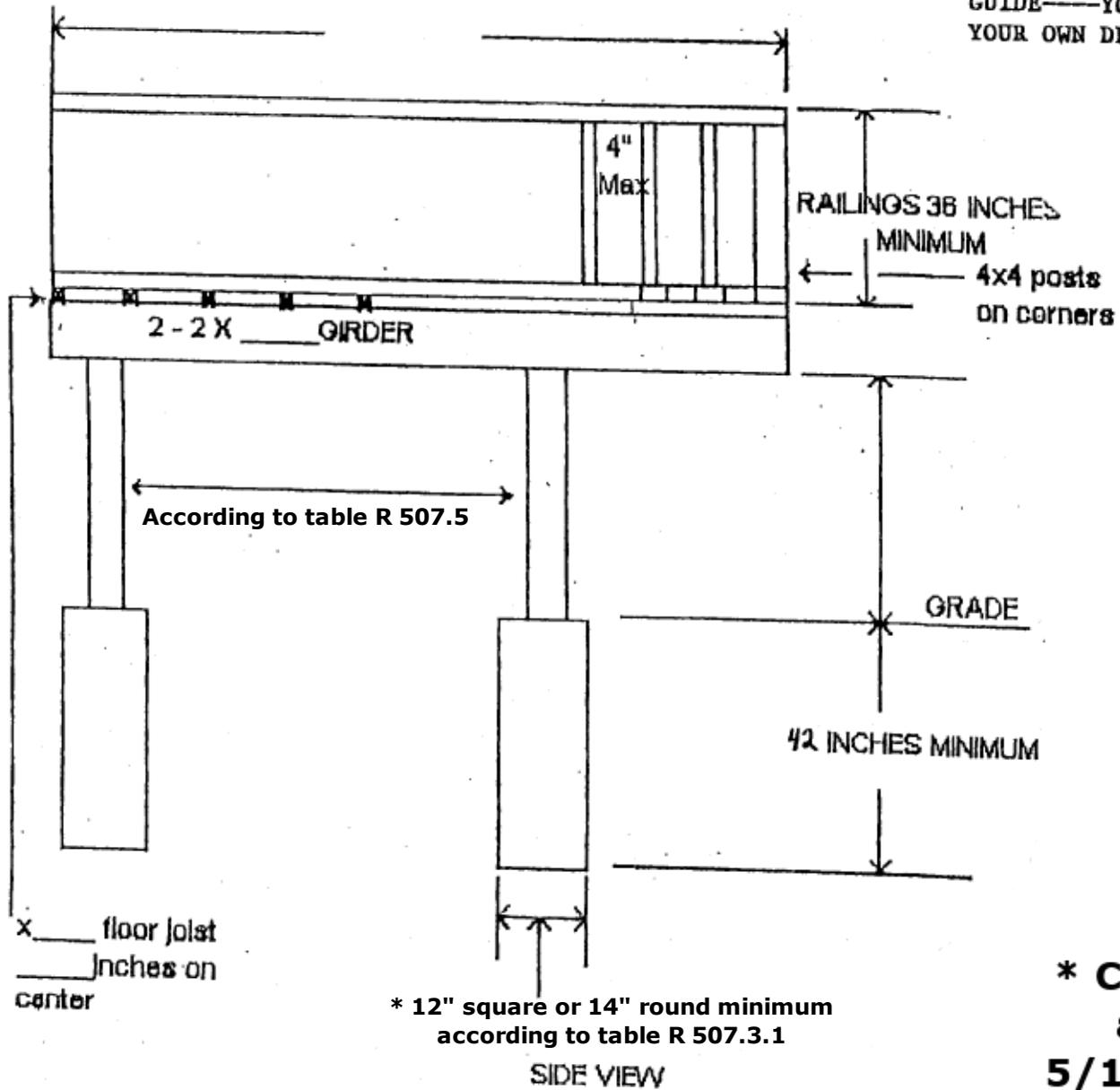
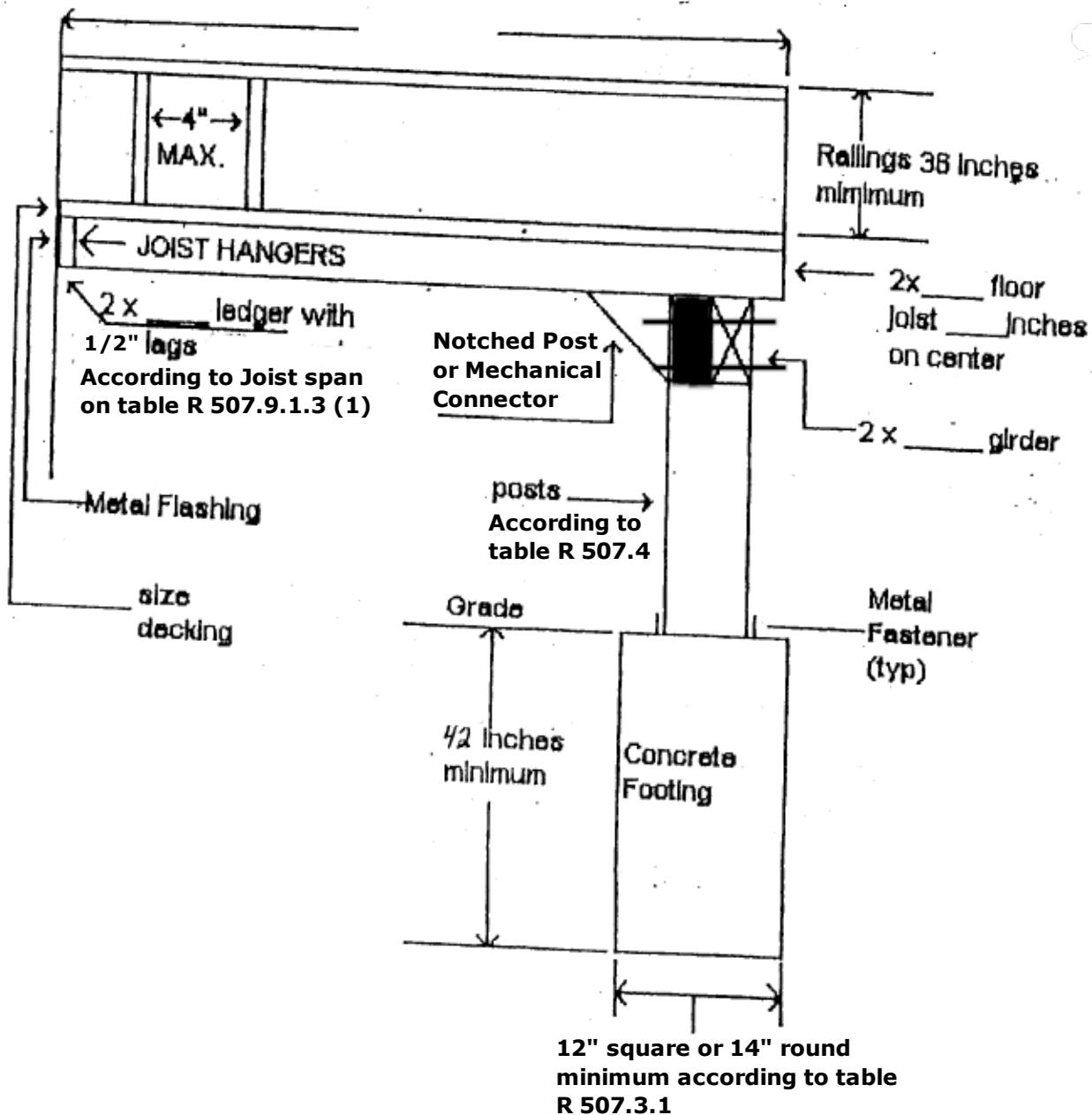


NOT TO SCALE

USE THIS PLAN ONLY AS A GUIDE—YOU MUST DRAW YOUR OWN DETAILED PLAN



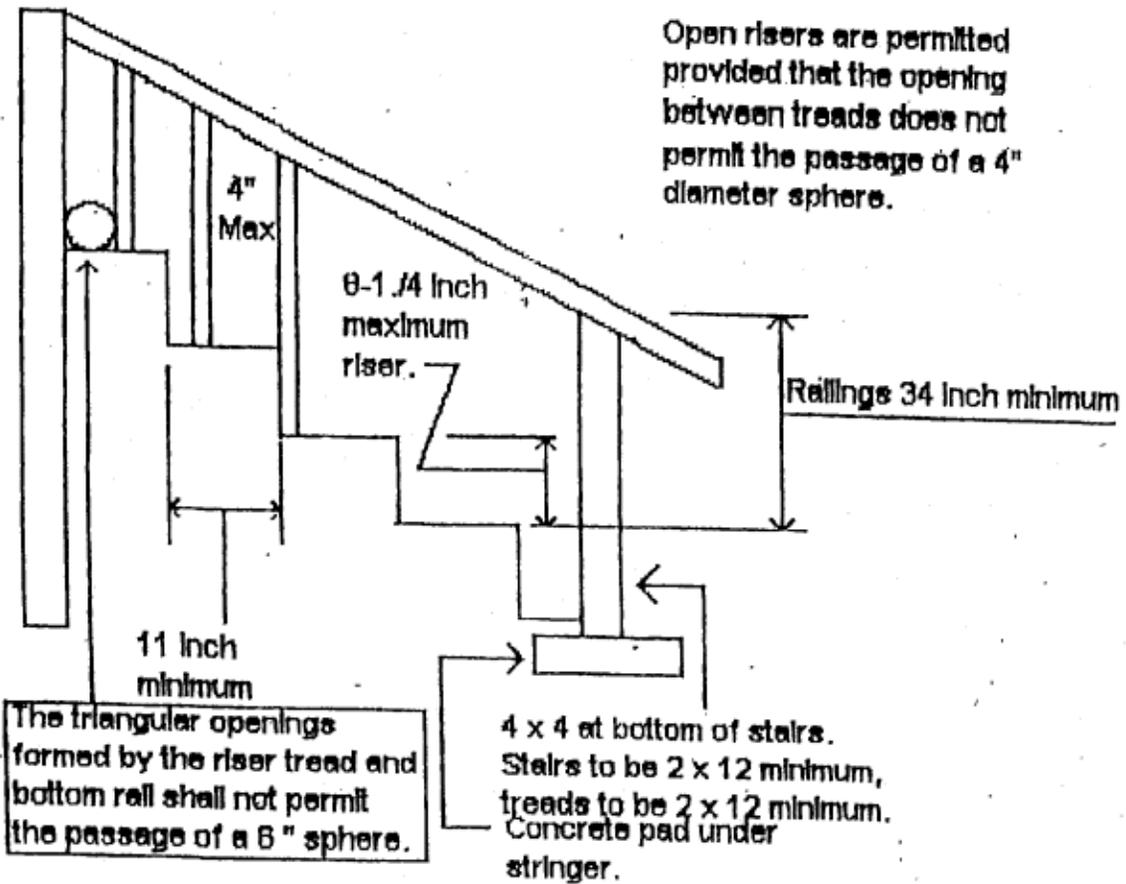
**\* Changed as of 5/12/2020**



Handrails shall be continuous for the full length of the flight and ends shall be returned or terminate in posts.

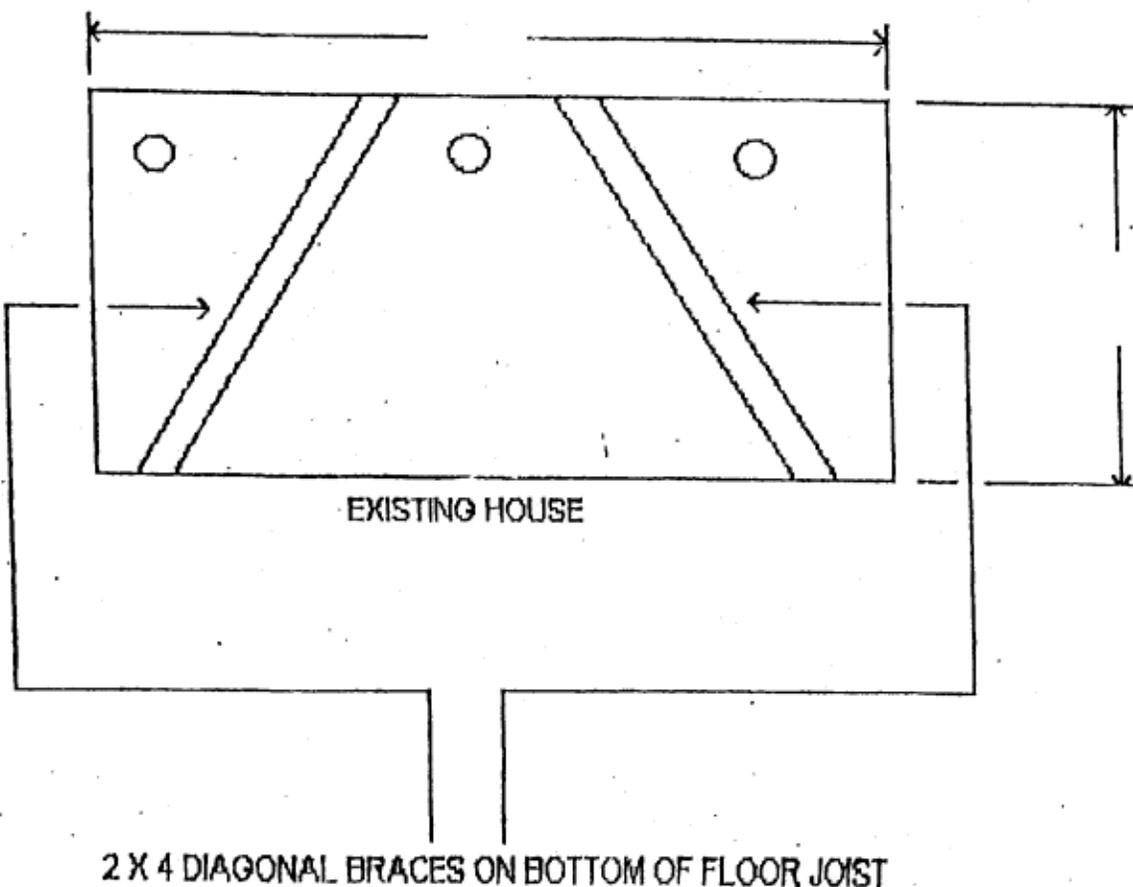
Stairs with two (2) or more risers shall have railings on all open sides.

4 x 4 posts must be used at the start of railings, the end of railings and any turn for railings.



The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch.

There shall be a floor or landing at the top and bottom of each stairway. The size of the landing shall not be less than the stairway or door served. Every landing shall have a minimum dimension of 36 inches measured in the direction of travel.



For decks that are partially supported by an adjacent structure (such as a house), the connection between the deck and that structure is vital. A bolted or screwed ledger-to-rim-board connection is suitable to support gravity loads; however, in some cases the building codes require a connection that is able to resist lateral loads. In these situations, tension ties are typically called out to tie the joists of the deck directly to the structure.

DTT deck tension ties are a safe, cost-effective solution designed to meet or exceed lateral-load code requirements for deck construction.

The DTT1Z satisfies the 2015 IRC provision for a 750 lb. lateral-load connection to the house at four locations per deck. This code detail permits the lateral connection from the deck joists to be made to top plates, studs or headers within the supporting structure.

The DTT2 can be used to satisfy the 2012/2015 IRC provision for a 1,500 lb. lateral-load connection at two locations per deck.

## Code Requirements

- The lateral-load connection required by Section R507.1 shall be permitted to be in accordance with Figure R507.2.3(1) (2012 IRC Figure R507.2.3) or R507.2.3(2) (not included in 2012 IRC).

*IRC 2015 Section R507.2.4*  
*IRC 2012 Section R507.2.3*

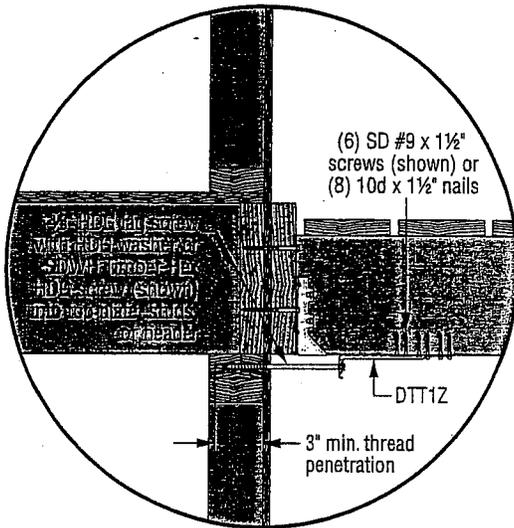
- Where the lateral-load connection is provided in accordance with Figure R507.2.3(1) (2012 IRC Figure R507.2.3) hold-down tension devices (with capacity not less than 1,500 pounds) shall be installed in not less than two locations per deck, within 24 inches of each end of the deck.

*IRC 2015 Section R507.2.4*  
*IRC 2012 Section R507.2.3*

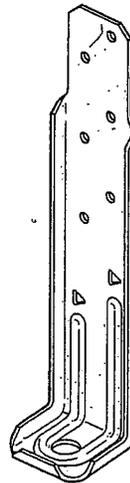
- Where the lateral-load connections are provided in accordance with Figure R507.2.3(2), the hold-down tension devices (with capacity not less than 750 pounds) shall be installed in not less than four locations per deck.

*IRC 2015 Section R507.2.4*

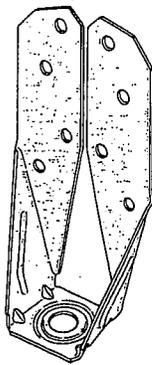
Selection of products based upon performance and/or suitability for a specific application should be made by a qualified professional. Simpson Strong-Tie recommends that deck designs be approved by the local building department before construction begins.



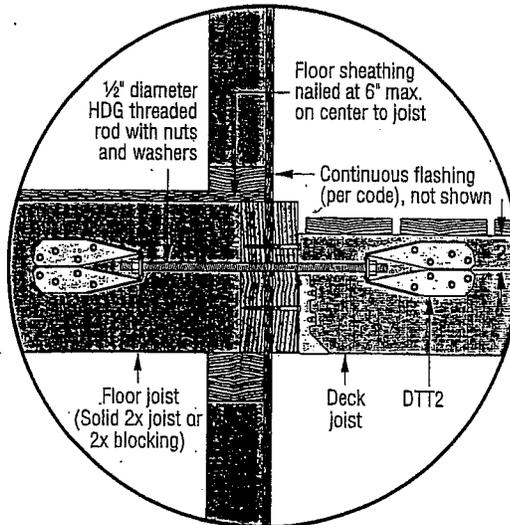
Typical DTT1Z Deck-to-House Lateral-Load Connection



DTT1Z Deck Tension Tie



DTT2 Deck Tension Tie



Typical DTT2 Deck-to-House Lateral Load Connection



These products are available with a ZMAX or hot-dip galvanized coating. Stainless-steel connectors are also available for higher-exposure environments or applications using certain preservative-treated woods. See page 27 for more detail.

For more information on lateral-load connections, refer to Simpson Strong-Tie technical bulletin T-C-DECKLAT at [strongtie.com](http://strongtie.com).