



DECK HANDOUT

This information only outlines general code requirements related to building a residential deck. For specific requirements, please contact a design professional or the Trumbull Building Department at 203-452-5020.

A building permit is required to construct a deck if it meets any of the following: is attached to a structure, more than 30" above grade at any point, larger than 200 square feet in area, requires guards or if it serves the exit door that's required by Section R311.4. To obtain a permit, the following items MUST be submitted:

REQUIREMENTS

- 1) A signed, completed building permit application form.
- 2) A copy of the Certificate of Survey or site plan drawn to scale, showing property lines, existing buildings and the proposed structure location with distances to property lines.
- 3) Two copies of building plans and completed Deck Worksheet.
- 4) Department Signoffs from Tax Collector, Zoning Dept, and Engineering Dept.(Health Dept if on septic) Department Contact info on website www.trumbull-ct.gov
- 5) If contractor, copy of workers comp insurance and copy of HIC Registration card.

PERMIT PROCESS

Upon receiving items outlined above, your application will be reviewed for code compliance and setback requirements. Permit fees will be calculated and you will be notified when the permit is ready to be picked up. Permits are sent via email once approved and payment received.

REQUIRED INSPECTIONS

Please call 203-452-5020, between 730-4pm, a minimum of 24 hours in advance to schedule inspection, *when work is ready*. Inspections are scheduled to be performed by inspector between 1030-230, Monday to Friday.

FOOTING INSPECTION- After holes dug, loose dirt and water removed and **prior** to pouring concrete.

FRAMING INSPECTION- ONLY if the deck joists are lower than 5' above grade.

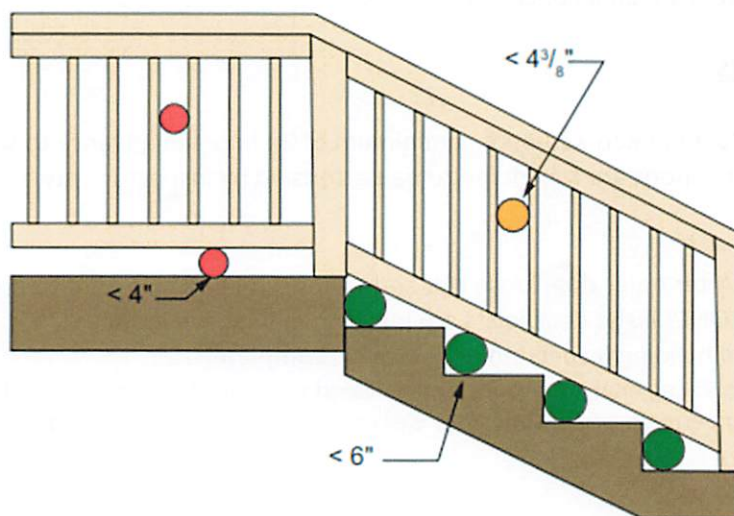
FINAL INSPECTION- Final building inspection once work is complete.

NOTE: **Prior** to requesting final inspection, **you will need** the same department signoffs that were acquired in the beginning of permit process. **Only after** we receive Department Final Signoffs, will we schedule a final inspection.

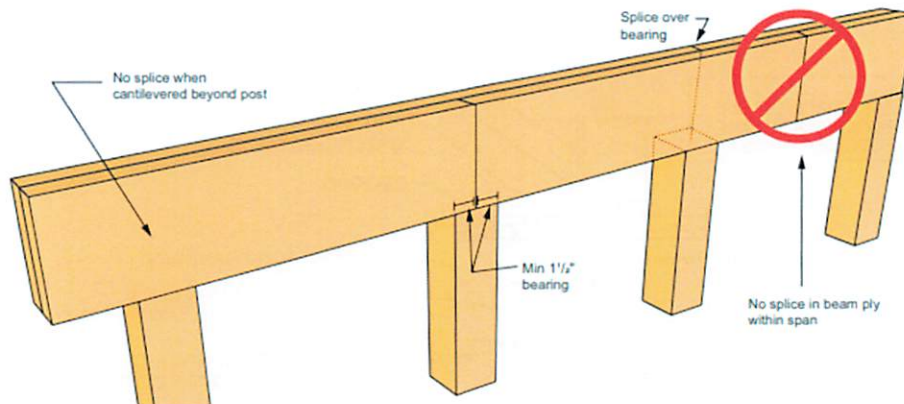
Any questions, please contact Trumbull Building Department 203-452-5020 or
buildinginfo@trumbull-ct.gov

BUILDING CODE REQUIREMENTS 2021 International Residential Code & 2022 CT State Building Code

- The bottom of the footing must be 42" minimum below undisturbed soil. (507.3.3)
- Galvanized connectors are required for footing to post, post to beam and beam to joist connections. (507.4.1, 507.5.2)
- Guards are required on all decks more than 30" above grade. Guards must be 36" minimum in height. Open guards must have intermediate rails or an ornamental pattern that a 4" sphere cannot pass through. Guards must be able to withstand 200lbs of applied pressure. (507.10)
- Stairways must be 36" in width between guards for the full length of the stairway. (311.7.1)
- There shall be a floor or landing at the top and bottom of each stairway. The width perpendicular to the direction of travel shall be not less than the width of the flight served. Where the stairway has a straight run, the depth in the direction of travel shall be not less than 36 inches. (311.7.6)
- Floor elevations for other exterior doors. Doors other than the required egress door shall be provided with landings or floors not more than $8\frac{1}{4}$ inches (209.5 mm) below the top of the threshold. Exception: A landing is not required where a stairway of three or fewer risers, including the top riser from the dwelling to the top tread, is located on the exterior side of the door, provided the door does not swing over the stairway. (311.3.2)
- The maximum riser height shall be not more than $8\frac{1}{4}$ ", the minimum tread depth shall be 9". Open risers are permitted provided that the opening between treads does not permit the passage of a 4-inch-diameter sphere. (311.7.5.1, 311.7.5.2)
- Guards on the open sides of stairs shall have a height of not less than 34" measured vertically from a line connecting the nosing's and shall not have openings that allow passage of a sphere $4\frac{3}{8}$ " in diameter. Triangular openings at the open side of stair, formed by the riser, tread and bottom rail of a guard, shall not allow passage of a sphere 6" in diameter. (312.1.1, 312.1.3)



-Beam/Girder splices must be directly over posts, minimum of 1 ½" bearing. (507.5.1)



-Lateral Connection-Lateral loads shall be transferred to the ground or to a structure capable of transmitting them to the ground.

Where the lateral load connection is provided in accordance with Figure R507.9.2(1), hold-down tension devices shall be installed in not less than two locations per deck, within 24 inches of each end of the deck. Each device shall have an allowable stress design capacity of not less than 1,500 pounds

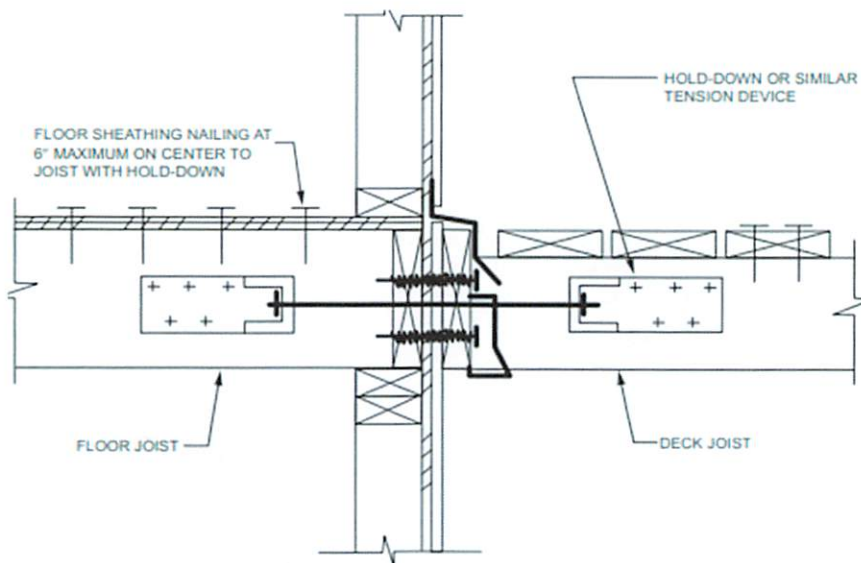


FIGURE R507.9.2(1)
DECK ATTACHMENT FOR LATERAL LOADS

Where the lateral load connections are provided in accordance with Figure R507.9.2(2), the hold-down tension devices shall be installed in not less than four locations per deck, and each device shall have an allowable stress design capacity of not less than 750 pounds (3336 N).

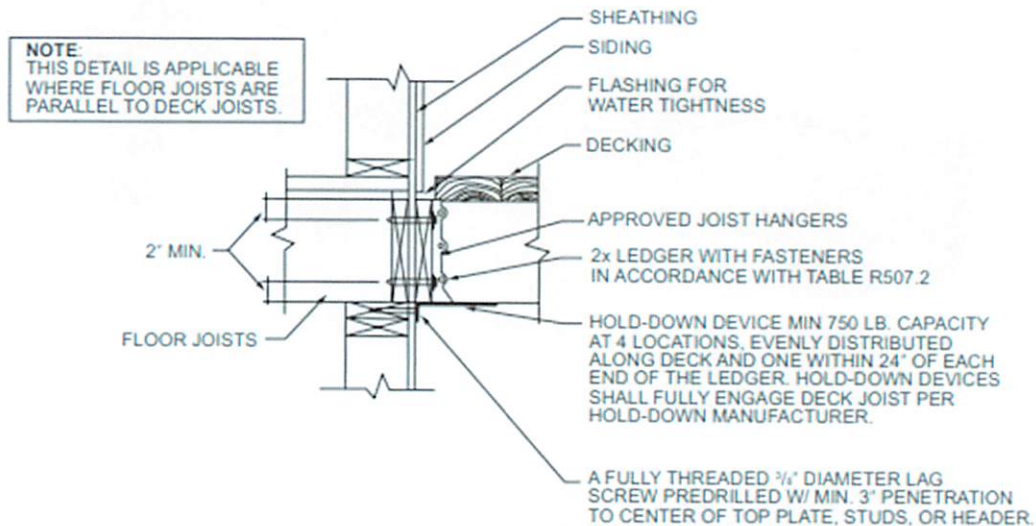
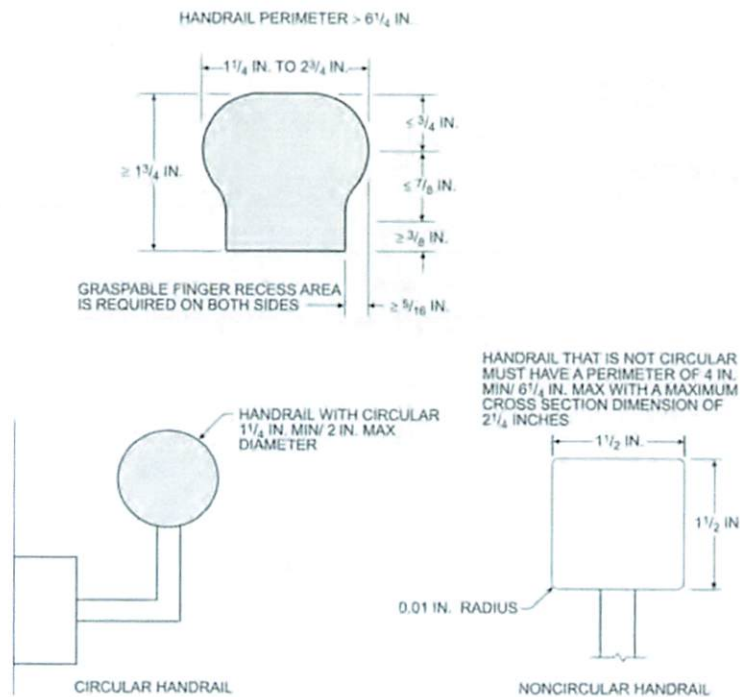
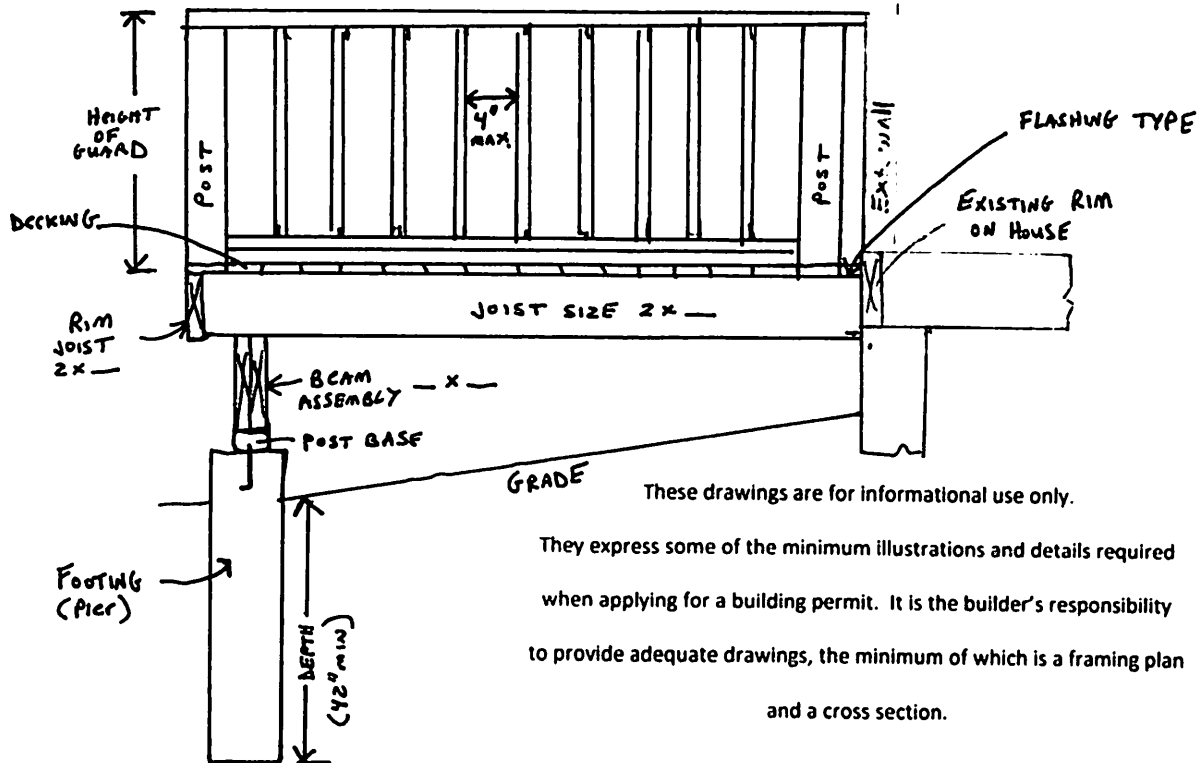


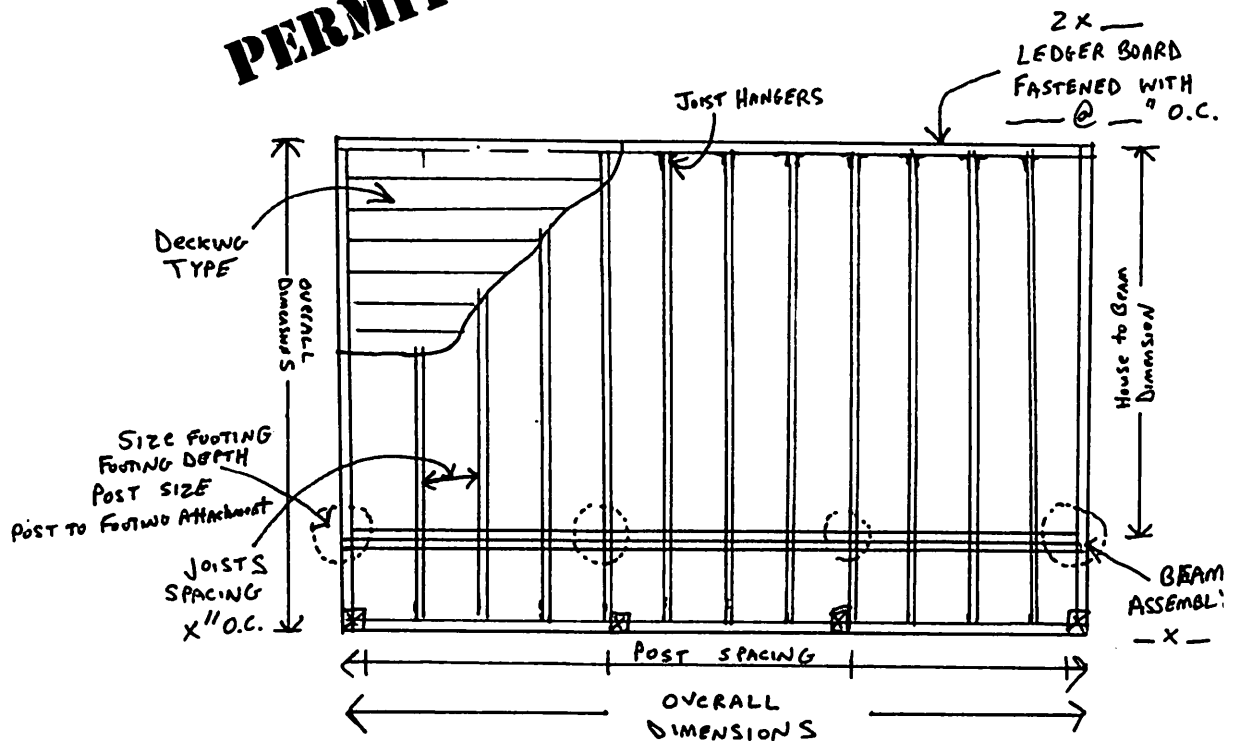
FIGURE R507.9.2(2)
DECK ATTACHMENT FOR LATERAL LOADS

- Handrails shall be provided on not less than one side of each flight of stairs with four or more risers. (311.7.8)





EXAMPLE: PERMIT DRAWING



DECK WORK SHEET

ALL Information below MUST BE WRITTEN ON THIS FORM AND SHOWN on your deck plan.

JOB ADDRESS:

OWNER INFO: Name:

Phone:

Email:

CONTRACTOR: Name:

Phone:

Email:

NEW _____ REPLACEMENT _____ REPAIR _____

DECK LOCATION

Location of any overhead conductors- _____

Location of any gas regulators, electric meters, faucets or other equipment above, below, on or through deck- _____

DECK CONSTRUCTION

Type of wood used for construction- _____

Dimensions/size of deck in plan view- _____

Greatest height of deck above ground level- _____

Location and depth of piers/footings- _____

Size and spacing of columns/posts (under deck)- _____

How is column/post anchored to pier/footing- _____

Size and number of girder members- _____

Are ALL joints over columns and continuous over a min. of 2 columns?- _____

How is girder attached to posts and joists?- _____

Band/Ledger board size and material- _____

Flashing detail and type compatible with P/T wood- _____

Ledger-Lag or through bolt size, length and spacing- _____

Joist size, spacing, material and max. span- _____

Deck flooring size and material- _____

GUARDRAIL CONSTRUCTION

Guardrail at deck height above deck floor- _____

Guardrail at stair height above leading edge of treads- _____

Size and spacing of pickets/balusters and deck posts- _____

If open risers, max. open distance between treads- _____

HANDRAIL CONSTRUCTION

Grip size/profile and rail is returned- _____

Is handrail continuous- _____

Height above leading edge of stair- _____

STAIR CONSTRUCTION

Minimum stair width and number of risers- _____

Maximum riser height and tread depth- _____

Stringer size and detail of attachment to deck- _____

Number of stringers and OC spacing- _____