

VILLAGE OF CHITTENANGO

CODE ENFORCEMENT OFFICE
222 GENESEE STREET
CHITTENANGO, NEW YORK 13037
TELEPHONE: 315-687-5143
FAX: 315-6876622

Examined _____

_____ ZONING

Approved _____ Permit No. _____

_____ BUILDING PERMIT

Disapproved a/c _____

Code Enforcement Officer

Date _____

APPLICATION FOR BUILDING PERMIT

INSTRUCTIONS

- A) Complete all applicable sections of the Application.
- B) Applicant and Property Owner must Sign and Date the Application.
- C) Submit the following required items with your completed application:
(some items may not be applicable to your project)
 - Copy of your Survey ~ Indicating the project location with dimensions and setbacks. A detailed description of other buildings and structures on the premises, indicate distances in relationship to each building or structure, adjoining properties, public streets, fire hydrants and streams or creeks.
 - Building Plans ~ This Application must be accompanied by **two sets of plans** showing proposed construction and two complete sets of specifications. Plans and specifications shall describe the nature of the work to be performed, the materials and equipment to be used and installed and details of structural, mechanical, electrical and plumbing installations. (Stamped by a licensed N.Y.S. Architect if over \$20,000 or 1,500 Sq Ft)
 - Energy Code Certification ~ RES COM and Air Leakage Inspection
 - Trusses Design Plans and Certification ~ Truss Identification Symbols for Commercial of Industrial Buildings
 - Floodplain application and Elevation Certificate
 - Zoning Board Application
 - Electrical Inspection Number from List Provided or Approved Inspector
 - General Contractor's Liability Insurance Certification (ACORD Form)
 - General Contractor's Workman's Compensation Insurance Certification (Form C105.2 or U26.3 NO ACORD Form) or Affidavit of Exemption (Form CE 200)
- D) An application is considered complete once all applicable required items have been received.
- E) Work shall not commence until a building permit has been issued.
- F) Time Limits. Permits become invalid if work is not commenced within 6 months of date of issue. Permits expire 12 months following date issuance. To renew a permit that is invalid or expired,

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APPLICATION IS HEREBY MADE to the Building Department for the issuance of a Building Permit pursuant to the New York State Building Construction Code for the construction of buildings, additions or alterations, for the removal or demolition, as herein described. The applicant agrees to comply with all applicable laws, ordinances, and regulations.

Signature of Applicant

Address of Applicant

State whether applicant is owner, lessee, agent, architect, engineer or builder:

Name of owner of premises:

If applicant is a corporation, signature of duly authorized officer:

Name and title of corporate officer

1. Location of land on which proposed work will be done. Map No. _____ Section _____
Block _____ Lots(s) _____ Number and Street _____
2. State Existing Use and occupancy of premises and intended used and occupancy of proposed construction:
 - a. Existing use and occupancy _____
 - b. Intended use and occupancy _____
3. Nature of work (check which applicable): New building ___ Addition ___ Alteration ___
Repair ___ Removal ___ Demolition ___
4. Estimated Cost* _____ Fee _____
5. If dwelling, number of dwelling units _____ Number of dwelling units on each floor _____
If garage, number of cars _____
If business, commercial, or mixed occupancy, specify nature and extent of each type of use _____

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6. Dimensions of existing structures, if any: Front ____ Rear ____ Depth ____ Height ____
7. Dimensions of same structure with alterations or additions: Front ____ Rear ____ Depth ____ Height ____ Number of Stories ____
8. Dimensions of entire new construction: Front ____ Rear ____ Depth ____ Height ____ Number of Stories ____
9. Size of lot: Front ____ Rear ____ Depth ____
10. Zone or use district in which premises are situated _____
11. Does proposed construction violate any zoning law, ordinance, or regulation? _____
12. Name of Compensation Insurance Carrier _____
Name of Policy _____ Date of Expiration _____
13. Name of Owner of Premises _____ Address _____ Phone No. _____
Name of Architect _____ Address _____ Phone No. _____
Name of Contractor _____ Address _____ Phone No. _____
14. Will electrical work be inspected by a Certificate of Approval obtained from the New York Board of Fire Underwriters or other agency or organization? If so, specify _____

Costs for the work described in the Application for Building Permit include the cost of all of the construction and other work done in connection therewith, exclusive of the cost of the land. If final cost shall exceed estimated cost, an additional fee may be required before the issuance of the Certificate of Occupancy.

PERMIT FEES

Building Permit	\$40 for 1 st \$1,000, \$3 for each additional \$1,000
Accessory Permit	\$75
Solid Fuel Burning Device	\$25
Certificate of Occupancy/Compliance	Residential \$15, Additions \$10, Commercial \$25, Swimming Pools, fence, sheds, demo, repairs, alterations, removal \$10
Sewer Tap	Call (315) 263 - 7048 for quote
Site Review Plans	\$75
Special Permits	\$125
Special Permits (Renewal)	\$50
Zoning Boundary Mod.	\$150
Variance Application	\$50
Flood Plain Application	\$100
Zoning Book	\$10
Subdivision Book	\$10

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PLOT DIAGRAM

Locate clearly and distinctly all buildings, whether existing or proposed, and indicate all setback dimensions from property lines. Give lot and block numbers or description according to deed, and show street names and indicate whether interior or corner lot.

DECK CONSTRUCTION GUIDELINES
Village of Chittenango

BUILDING PERMIT REQUIRED:

A building permit is required for any new deck. A copy of a property survey and a building permit application is required to obtain a permit.

DRAWINGS:

A construction drawing, drawn to scale, showing all structural elements will be required for any deck permits. This form outlines the requirements to obtain a permit to erect a deck.

FOOTINGS:

Must comply with The Residential Code of New York State, Section 403 and R403.1.4. The footing must be a minimum of twelve inches (12") in diameter and at a depth below the frost level of forty-eight inches (48") from finish grade to the bottom of the footing. The footing may also be twelve inches (12") thick of concrete placed in the bottom of the forty-eight inch (48") hole. The post would extend from the top of the concrete to the bottom of the girder. The backfill material must be well compacted around the post. The diameter of the footing increases with the increase in the size of the post. The footing shall be eight inches (8") larger than the largest dimension of the post. Footings in flood plain areas shall be twice the diameter. Second floor deck footings and decks with roof structures must be a minimum of twenty-four inches (24") in diameter or be designed by an architect or engineer.

Example: 4X4 post = 12" in diameter of footing
4X6 post = 14" in diameter of footing
6X6 post = 14" in diameter of footing

CANTILEVER:

The maximum cantilever allowed by the code is two feet (2'). For longer cantilevers, a set of calculations proving the code design limits and safety of the extended length are being met. These calculations must be signed and sealed by a New York State licensed architect or engineer.

LANDINGS AT DOORS:

Landings at doors. There shall be a floor or landing on each side of each exterior door.

Exception: Where a stairway of two or fewer risers is located on the exterior side of a door, other than the required exit door, a landing is not required for the exterior side of the door.

The floor or landing at the exit door required by RC311.4.1 shall not be more than 1.5 inches (38 mm) lower than the top of the threshold. The floor or landing at exterior doors other than the exit door required by RC311.4.1 shall not be required to comply with this requirement but shall have a rise no greater than that permitted in RC311.5.3.

Exception: The landing at an exterior doorway shall not be more than 8 ¼ inches (209 mm) below the top of the threshold, provided the door, other than an exterior storm or screen door does not swing over the landing.

The width of each landing shall not be less than the door served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.

METAL CONNECTORS:

The following are the locations and model numbers of the metal connectors to be used. The examples given are Simpson Connectors. Any approved metal connector can be used. All holes in connectors require a nail. Deck screws may not be used on any metal connectors. All nails and connectors used with pressure treated lumber must be designed for pressure treated lumber in order to prevent decay of the fastener.

- | | |
|-----------------------------|--------------------------------------|
| - Post to Concrete Footing | Simpson ABA44/66Z or Equal |
| - Post to Girder | Simpson BCS2-24Z or Equal |
| - Joist to Girder | Simpson H2.5AZ or Equal |
| - Joist to Ledger Board | Simpson LUS210 or Equal Joist Hanger |
| - Stairs/Stringer Connector | Simpson LSCZ or Equal |
| - Deck to Post | Simpson DTT2Z or Equal |

DECK ATTACHMENT:

Required exterior exit balconies, stairs and similar exit facilities shall be positively anchored to the primary structure to resist both vertical and lateral forces. Such attachment shall not be accomplished by use of toenails or nails subject to withdrawal.

STAIRS, GUARDS AND HANDRAILS:

See attached drawings.

RESIDENTIAL DECKS:

A building permit is required to ensure minimum construction requirements are met and the homeowner can safely enjoy the deck. The application for the permit can be obtained from website (www.chittenango.org). Please provide 1 copy of the following along with the permit application.

- Material list
- Deck plan (including stair, rail and slat specs)

All construction in the village must be accomplished in accordance with the 2010 New York Residential Code, which dictates the design standards. It is the applicant's responsibility to ensure all compliance with the adopted code, as well as the standards set out below.

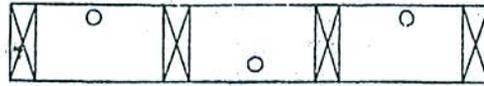
Site Restrictions:

Easements for various purposes are routinely platted. It is the applicant's responsibility to ensure that the proposed construction does not encroach onto any easements. All decks must be located in compliance with the same side yard setback distance as required by the zoning district for the house.

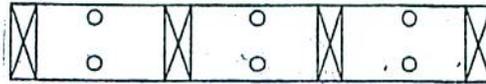
Construction Requirements:

- All footings/piers for posts must be concrete and extend 48 inches below grade for frost protection and be a minimum of 8 inches wide and may need to be larger dependent on bearing capacity of soil or deck loads.
- All load bearing posts must be anchored to footings, with a pin, stirrup, bolt or other approved method .
- All wood which comes into contact with the ground must be termite and decay resistant (Redwood Cedar or pressure Treated Wolmanized Lumber).
- Joist hangers are required at band board or ledger board connections.
- Ledger board are to be attached to the house with ½ inch lag bolts:

LEDGER BOARD ATTACHMENT



Joist span 9' or less - Bolts
spaced 16"o.c. staggered



Joist span greater than 9' -
2 Rows bolts spaced 16"o.c.

- Guards are required if a deck has more than 3 risers.
- Guards are required on every open portion of:
 - Stairs
 - Landings
 - Balconies
 - Porches
 - Decks
 - Ramps
 - Walking surfaces, which are: More than 30 inches above floor or grade
- Guards shall not be less than 36 inches high above the floor of the landing, balcony, porch, deck, ramp, or other walking surface.
- Guard opening spaced so that a 4 inch on sphere cannot pass between.
- No guardrails shall create a " ladder effect" (vertical not horizontal).
- Handrails must be 34 inches to 38 inches, measured vertically above the nosing of the treads.
- Handrails shall be a circular cross section with an outside diameter of at least 1 ¼ inches and not greater than 2 inches.
- Stairs shall be maximum riser height of 8 ¼ inches, a minimum tread depth of 9 inches with ¾ inch to 1 ¼ inch nosing.

LUMBER:

All lumber used in the construction of the deck shall be preservative-treated wood or be of natural decay resistant wood (heartwood of redwood, black walnut, black locust or cedar) in accordance with The Residential Code of New York State, RR-319.

FLOOR JOIST:

Floor joist must comply with The Residential Code of New York State, Section Table RR-502.3.1(2). Floor joist spans must be sized in accordance with the following table. The table is based on a 40-psi live load with a deflection limit of 1/360 using pressure treated southern pine fir lumber.

Joint size	2 X 6	2 X 8	2 X 10	2 X 12	Maximum cantilever - 1/4 of Total span (AF & PA)
12" O.C.	10'3"	13'6"	17'3"	20'7"	Proposed Beam Size (_____) Proposed Post Spacing (_____)
16" O.C.	9'4"	12'3"	15'5"	17'10"	
19.2" O.C.	8'9"	11'6"	14'1"	16'3"	
24" O.C.	8'1"	10'3"	12'7"	14'7"	

BEAM LOADING AND POST SPACING

Beam Size (inches)	Beam Loading (L)													Max. Beam Cantilever
	4	5	6	7	8	9	10	11	12	13	14	15	16	
	Maximum Post Spacing (feet)													
2 - 2 x 6	5	5	5	4	4	4	4	4	4	4	4	4	4	1' - 0"
3 - 2 x 6	7	7	6	6	5	5	5	4	4	4	4	4	4	1' - 3"
2 - 2 x 8	7	7	7	6	6	5	5	5	4	4	4	4	4	1' - 8"
3 - 2 x 8	9	9	8	8	7	7	6	6	6	5	5	5	5	2' - 0"
2 - 2 x 10	9	9	9	8	7	7	6	6	5	5	5	4	4	2' - 0"
3 - 2 x 10	11	11	11	9	9	9	8	8	7	7	7	6	6	2' - 6"
2 - 2 x 12	11	11	10	10	8	8	8	7	7	6	6	5	5	2' - 6"
3 - 2 x 12	13	13	13	11	11	10	10	9	9	9	8	8	8	3' - 0"
4 - 2 x 6	8	8	7	7	6	6	5	5	5	5	4	4	4	1' - 6"
4 - 2 x 8	10	10	9	9	8	8	7	7	7	6	6	6	6	2' - 3"
4 - 2 x 10	12	12	12	11	11	10	9	9	8	8	8	7	7	2' - 3"
4 - 2 x 10	14	14	14	13	13	12	12	12	12	10	10	9	9	3' - 0"

TO DETERMINE BEAM LOADING AND POST SPACING

Single Beam Deck - Length of joist to centerline of beam ÷ 2 = (_____) + cantilever = beam loading.
i.e.:

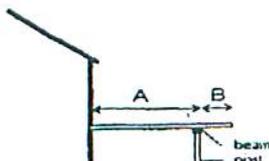
If joist span 12 feet to centerline of beam with a 1 foot cantilever = (12 ÷ 2) = 6 + 1 = Beam loading of 7 = if beam load 7 (2) 2 X 6's were utilized as beams - post spacing would be 4 feet on center

For two beam deck - length of joist to centerline of furthest beam ÷ (2)

i.e.:

A 20 foot wide deck with beams positioned at 10 feet and 20 feet from structure - total depth (20 ÷ 2) = beam loading of 10 - If in beam load 10 - (2) 2 X 6's utilized as beam, post spacing will be 4 foot on centerline. If (4) 2 X 10's were utilized as beams, post space will be 12 feet.

To find beam loading (L) for a single beam deck, divide the distance A (house to middle of beam) by 2 and add the length of the cantilever.



$$L = \left(\frac{A}{2} + B \right)$$

beam loading house to beam cantilever

Example: If A = 10 feet and B = 2 feet, then L = 7.

HANDRAILS AND GUARDS

§RR311.5.6 Handrails. Handrails shall be provided on at least one side of each continuous run of treads or flight with four or more risers.

§RR311.5.6.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

§RR311.5.6.2 Continuity. Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1-1/2 inch (38 mm) between the wall and the handrails.

Exceptions:

1. Handrails shall be permitted to be interrupted by a newel post at the turn.
2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

§RR311.5.6.3 Handrail grip size. All required handrails shall be of one of the following types or provide equivalent graspability.

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 1-1/4 inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6-1/4 inches (160 mm) with a maximum cross section of dimension of 2-1/4 inches (57 mm).

2. Type II. Handrails with a perimeter greater than 6-1/4 inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of 3/4 inch (19 mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8 mm) within 7/8 inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/8 inch (10 mm) to a level that is not less than 13/4 inches (45 mm) below the tallest portion of the profile.

The minimum width of the handrail above the recess shall be 1-1/4 inches (32 mm) to a maximum of 23/4 inches (70 mm). Edges shall have a minimum radius of 0.01 inches (0.25 mm).

§RR312.1 Guards required. Porches, balconies or raised floor surfaces located more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 36 inches (914 mm) in height. Open sides of stairs with a total rise of more than 30 inches (762 mm) above the floor or grade below shall have guards not less than 34 inches (864 mm) in height measured vertically from the nosing of the treads.

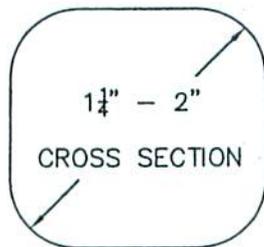
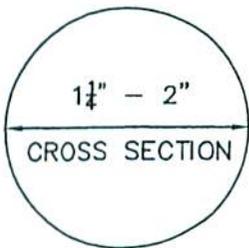
Porches and decks which are enclosed with insect screening shall be provided with guards where the walking surface is located more than 30 inches (762 mm) above the floor or grade below.

§RR312.2 Guard opening limitations. Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 inches (102mm) or more in diameter.

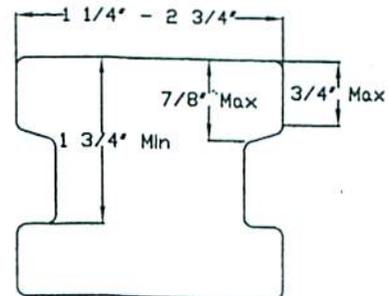
Exceptions:

1. The triangular openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6 inches (152 mm) cannot pass through.
2. Openings for required guards on the sides of stair treads shall not allow a sphere 4 3/8 inches (107 mm) to pass through.

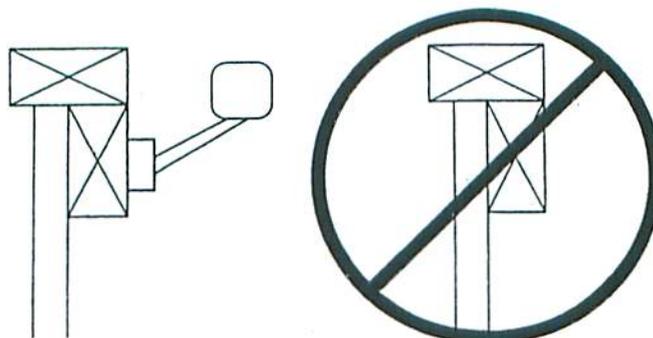
TYPE I HANDRAILS



TYPE II HANDRAIL



TYPICAL HANDRAIL INSTALLATION



\$RR311.5 Stairways.

\$RR311.5.1 Width. Stairways shall not be less than 36 inches (914 mm) in clear width at all points above the permitted handrail height and below the required headroom height. Handrails shall not project more than 4.5 inches (114 mm) on either side of the stairway and the minimum clear width of the stairway at and below the handrail height, including treads and landings, shall not be less than 31.5 inches (787 mm) where a handrail is installed on one side and 27 inches (698 mm) where handrails are provided on both sides.

Exception: The width of spiral stairways shall be in accordance with \$RR311.5.8.

\$RR311.5.2 Headroom. The minimum headroom in all parts of the stairway shall not be less than 6 feet 8 inches (2036 mm) measured vertically from the sloped plane adjoining the tread nosing or from the floor surface of the landing or platform.

\$RR311.5.3 Stair treads and risers.

\$RR311.5.3.1 Riser height. The maximum riser height shall be 8-1/4 inches (209 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

\$RR311.5.3.2 Tread depth. The minimum tread depth shall be 9 inches (229 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the greatest winder tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm).

\$RR311.5.3.3 Profile. The radius of curvature at the leading edge of the tread shall be no greater than 9/16 inch (14.3 mm). A nosing not less than 3/4 inch (19 mm) but not more than 1 1/4 inch (32 mm) shall be provided on stairways with solid risers. The greatest nosing projection shall not exceed the smallest nosing projection by more than 3/8 inch (9.5 mm) between two stories, including the nosing at the level of floors and landings. Beveling of nosing shall not exceed 1/2 inch (12.7 mm). Risers shall be vertical or sloped from the underside of the leading edge of the tread above at an angle not more than 30 (0.51 rad) degrees from the vertical. Open risers are permitted, provided that the opening between treads does not permit the passage of a 4-inch diameter (102 mm) sphere.

Exceptions:

1. A nosing is not required where the tread depth is a minimum of 11 inches (279 mm).
2. The opening between adjacent treads is not limited on stairs with a total rise of 30 inches (762 mm) or less.

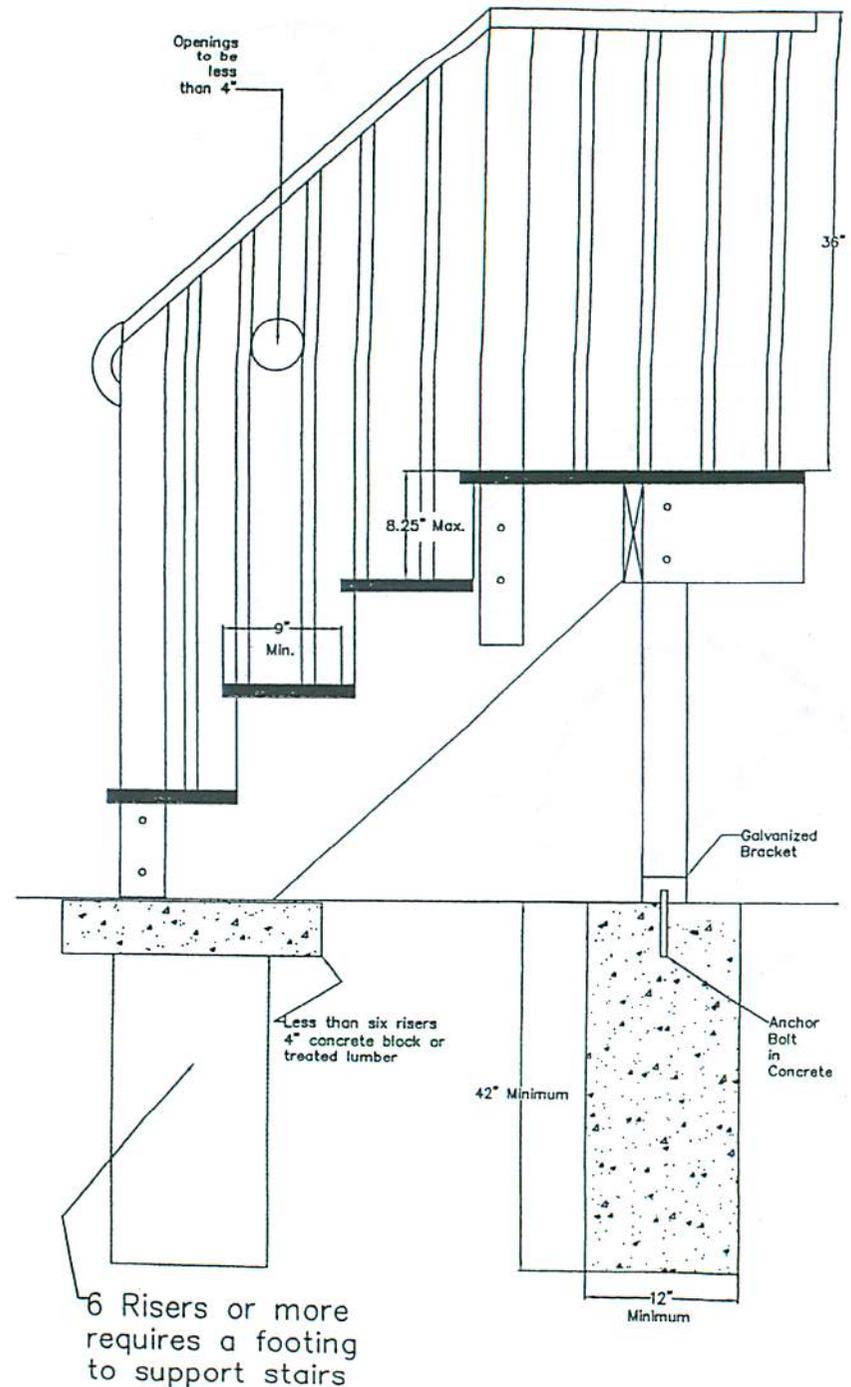
\$RR311.5.4 Landings for stairways. There shall be a floor or landing at the top and bottom of each stairway.

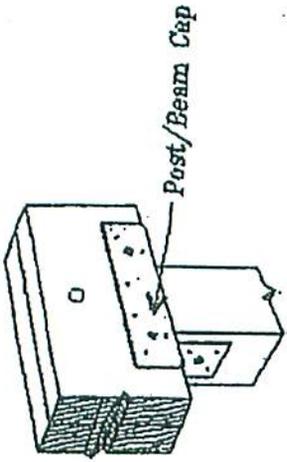
Exception: A floor or landing is not required at the top of an interior flight of stairs, provided a door does not swing over the stairs.

A flight of stairs shall not have a vertical rise greater than 12 feet (3658 mm) between floor levels or landings.

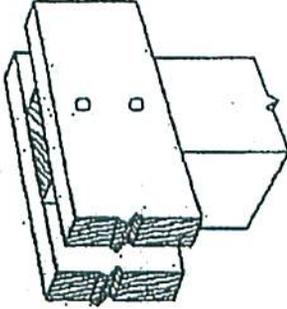
The width of each landing shall not be less than the stairway served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel.

\$RR311.5.5 Stairway walking surface. The walking surface of treads and landings of stairways shall be sloped no steeper than one unit vertical in 48 inches horizontal (2-percent slope).

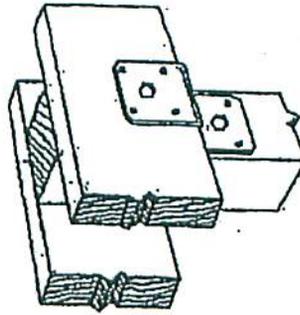




Top Mount
Bolts and nails as required by
manufacturers specifications



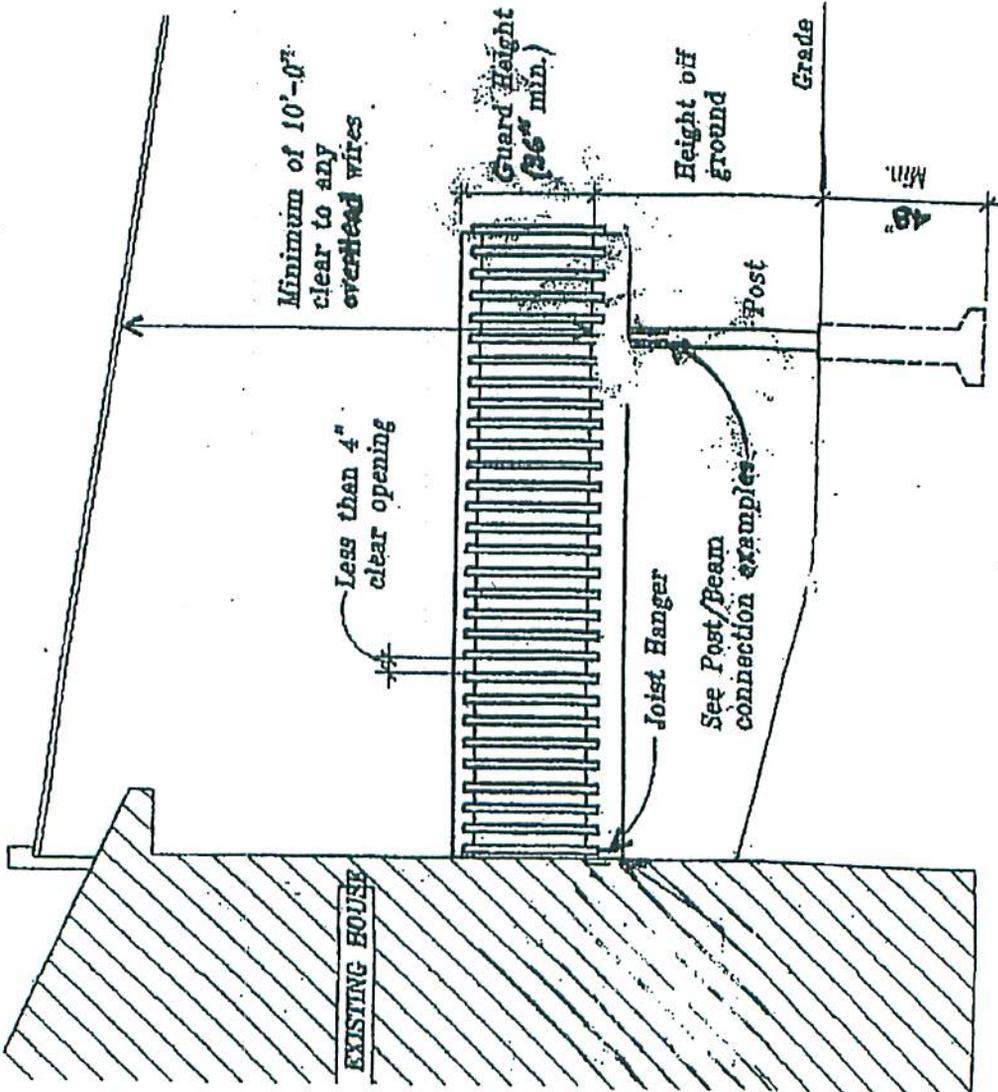
Min. (2) carriage bolts



Side Mount

Use an engineered connector, Bolts and
nails as per manufacturers specifications

POST-BEAM CONNECTIONS



SIDE ELEVATION