TOWN OF MARLBOROUGH

" Heart Of the Hudson Valley Fruit Section"
MILTON, ULSTER COUNTY, NEW YORK 12547
DEPARTMENT OF BUILDINGS

TEL NO. 795-5100 Ext. # 7
FAX NO. 795-6171

THOMAS CORCORAN JR.
BUILDING INSPECTOR
CODE ENFORCER
FIRE INSPECTOR

Application for Garage or Barn Permit

(Copy of current Deed & Tax Bill MUST be submitted with Application)

Building Permit # _____

Date _____

Size : Length _____ Width _____ Height _____

Section _____ **Block** _____ **Lot** _____

District Location of Property ☐R ☐R-1 ☐RAG-1 ☐C-1 ☐C-2 ☐HD ☐I

Owner _____ Phone _____

Address _____

Owners Signature _____

Contractor _____ Phone _____

Address _____

Contact Person _____ Phone _____

Location (address) **of work** _____

This application is pursuant to New York State Fire Prevention and Building Code 9NYNRCC and the Town of Marlborough Zoning Ordinance.

This application MUST be completely filled out in ink and submitted with all required documents or it will be rejected and returned.

Building Permits are issued for 1 year and a $100 charge will be imposed for each 6 month extension

TOWN OF MARLBOROUGH BUILDING DEPT.

REQUIRED CHECKLIST FOR APPLICANT

APPLICATION FOR BUILDING PERMIT WILL TAKE APPROXIMATELY 10 DAYS OR MORE FOR PROCESSING. NON-SUBMITTALL OF ALL REQUIRED FORMS AND/OR INFORMATION WILL DELAY PROCESSING.

APPLICATIONS WILL NOT BE ACCEPTED UNLESS THE FOLLOWING CHECKLIST IS COMPLETED.

1. HAVE YOU COMPLETELY FILLED OUT YOUR APPLICATION AND SIGNED IN ALL NECESSARY SPACES. YES☐ NO☐
2. HAVE YOU SUBMITTED PROOF OF LAND OWNERSHIP? YES☐ NO☐
3. HAVE YOU SUBMITTED BOARD-OF-HEALTH APPROVALS AND/OR TOWN OF MARLBORO WATER AND SEWER PERMITS. YES☐ NO☐
4. HAVE YOU SUBMITTED COMPENSATION AND LIABILITIES INSURANCE OR NYS COMP WAIVER. WAIVER MUST BE COMPLETED AND RETURNED BEFORE PERMIT RELEASED. YES☐ NO☐
5. HAVE YOU SUBMITTED A CURRENT SURVEY OF THE PROPERTY OR COMPLETED THE PLOT PLAN PAGE IF A SURVEY IS NOT AVAILABLE. YES☐ NO☐
6. HAVE YOU SUBMITTED A LIST OF SUB-CONTRACTORS WITH NAMES, ADDRESSES AND PHONE NUMBERS. YES☐ NO☐
7. AN ENERGY CODE SHEET MUST BE SUBMITTED. YES☐ NO☐
8. HAS THE SITE INSPECTION BEEN DISCUSSED WITH THE BUILDING INSPECTOR? YES☐ NO☐
9. MANUFACTURED HOMES/MODULARS MUST BE NYS APPROVED AND HAVE A HUD STAMP WITH COMMISSIONER SIGNATURE. DATE ON THIS STAMP CANNOT BE MORE THAN 5 YEARS OLD. FOUNDATION PLANS MUST HAVE AN ARCHITECT OR ENGINEER SEAL WITH SIGNATURE. NAME OF MANUFACTURER, MODULAR NUMBER AND MODEL NUMBER MUST BE SUPPLIED. YES☐ NO☐
10. TWO SETS OF PLANS MUST BE SUBMITTED FOR ALL CONSTRUCTION. THESE PLANS MUST HAVE ENGINEER AND/OR ARCHITECT STAMP. UNDER NYS LAW SECTION 7307 AND 7209, PLANS REQUIRE THE SEAL AND SIGNATURE OF LICENSED ENGINEER OR ARCHITECT. YES☐ NO☐

**CERTIFICATION BY APPLICANT

HEREBY CERTIFY THAT I HAVE READ THE INSTRUCTIONS AND EXAMINED THIS APPLICATION AND KNOW THE SAME TO BE TRUE AND CORRECT.

SIGNATURE: _____

THIS BUILDING PERMIT APPLICATION PERTAINS ONLY TO THE CONSTRUCTION BEING PERFORMED AT THIS TIME.

PLEASE INCLUDE THE FOLLOWING ITEMS WITH THIS APPLICATION:

1. COPY OF DEED
2. COPY OF CURRENT TAX BILL
3. 2 COPIES OF PLANS FOR CONSTRUCTION (ENGINEERED STAMPED IF OVER $20,000)
4. COMPLETELY SIGNED APPLICATION
5. ALL INSURANCE'S COMPENSATION, LIABILITY, WAIVER

THIS APPLICATION MUST BE COMPLETED IN FULL. IT IS NOT OUR RESPONSIBILITY TO FILL IN THE BLANKS. FAILURE TO DO SO WILL RESULT IN A DELAY OF THE APPLICATION.

BUILDING PERMITS ARE ISSUED FOR A PERIOD OF 1 YEAR AN ADDITIONAL CHARGE OF $100.00 WILL BE IMPOSED FOR EACH SIX (6) MONTH EXTENSION.

ALL CONSTRUCTION OVER $10,000 REQUIRES AN AFFIDAVIT OF CONSTRUCTION TO BE SIGNED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE COST OF THE CERTIFICATE OF OCCUPANCY IF CONSTRUCTION IS $10,000.00 OR MORE THE FEE IS $150.00 FOR RESIDENTIAL, OR $250.00 FOR COMMERCIAL. ACCESSORY STRUCTURE IF OVER $10,000.00 IS $150.00.

**A FAILURE TO COMPLETE THIS APPLICATION WILL CAUSE A DELAY IN PROCESSING.

Section _____ **Block** _____ **Lot** _____

Estimate Cost of Construction _____

Electric : YES NO (circle one)

OWNERS NAME _____

ADDRESS _____

_____

TELEPHONE : HOME _____ WORK _____

BELOW IS FOR BUILDING DEPARTMENTS USE ONLY

TYPE OF INSPECTION :

( ) 1. SETBACKS -
( ) 2. FOOTINGS -
( ) 3. FOOTING DRAINS -
( ) 4. FOUNDATION WALLS -
( ) 5. SLAB -
( ) 6. FRAMING -
( ) 7. ROUGH ELECTRIC -
( ) 8. FIRE BLOCKING / AIR INFILTRATION -
( ) 9. INSULATION -
( ) 10. PLUMBING -
( ) 11. H.V.A.C.-
( ) 12. FINAL ELECTRICAL -
( ) 13. FINAL -

INSPECTOR'S COMMENTS

_____

_____

_____

_____

INSPECTORS'S SIGNATURE _____ **DATE** _____

TOWN OF MARLBOROUGH

PLOT PLAN

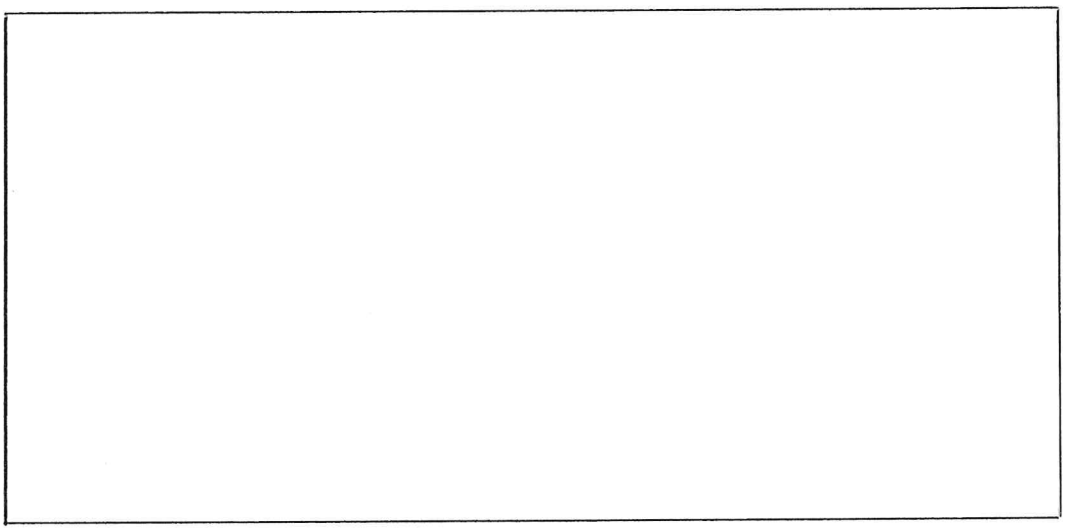
SECTION _____ **BLOCK** _____ **LOT** _____

Address : _____

SHOW THE FOLLOWING ON THE PLOT PLAN :

** THE OUTSIDE LINES ARE THE PROPERTY LINES*

1) Show ALL the buildings on the property
2) Show the **new construction** on the property and ALL setbacks (distance in feet from the property lines)
3) Show ALL roads and driveways
4) Show septic leech field and well

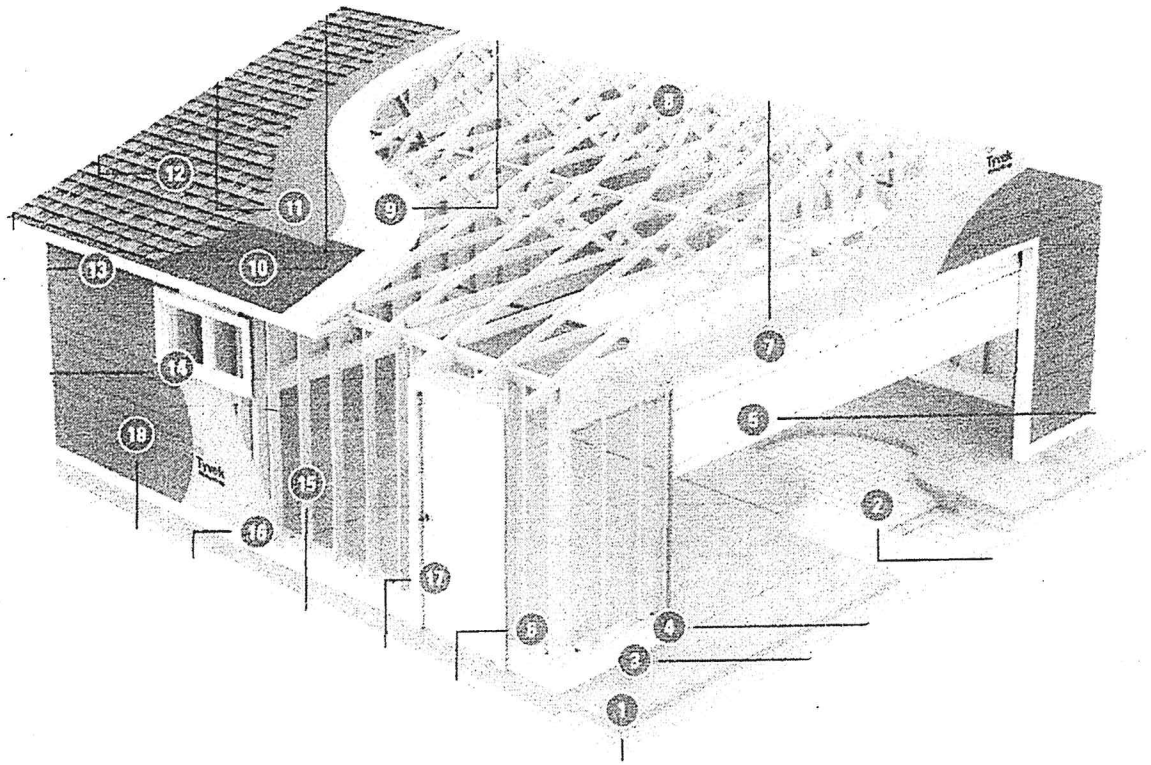


Applicants Signature _____

*** This application must meet the Code of the Town of Marlborough**
Section 155-16 Yard Regulations

**** NO accessory building shall be placed in any required side or front yard***
**** NO accessory building shall be located closer to principal structure than 10 feet***
**** NO accessory building may be closer than 10 feet to property line***
**** Accessory structures more than 10 feet in height shall be set back and additional foot for each additional foot in height from property lines***
**** Accessory buildings with greater than 160 square foot footprint MUST be placed on a permanent foundation in compliance with state and local building codes***

*** SINGLE STORY BASIC GARAGE DETAIL**



ADDRESS _____

SIZE : Length _____ **Width** _____ **Height** _____

1) Grade : Slope Away from Construction
2) Garage Slab _____
3) Concrete Block or Poured Wall Size _____
4) Pressure Treated Sill Plate Size _____
5) Garage Door ☐ **YES** ☐ **NO** **Size** _____
6) Anchor Bolts
7) Garage Door Header Size _____
8) Roof Construction ☐ **Truss** ☐ **Frame** **Size** _____
9) Roof Sheathing ☐ **Plywood** ☐ **OSB** **Size** _____
10) Ice and Water Shield (minimum 3' from interior wall)
11) Felt Underlayment
12) Roofing ☐ **Asphalt** ☐ **Metal** **Other** _____
13) Soffit ☐ **Vented Vinyl** ☐ **Vented Aluminum** **Other** _____
14) Windows : How Many _____ **Location** _____ **Size** _____
15) Wall Stud Size _____ ☐ **16** ☐ **24** **on center**
16) Wall Sheathing ☐ **Plywood** ☐ **OSB** **Size** _____
17) Doors : How Many _____ **Location** _____ **Size** _____
18) Siding ☐ **Vinyl** ☐ **Cedar** ☐ **Stucco** **Other** _____

*** Additional Wall and Footing Details may be required (Frost Protection Minimum 48")**
*** Two Story Garages / Barns will require stamped New York Certified Engineer Plans**

TOWN OF MARLBOROUGH BUILDING DEPARTMENT
#21 MILTON TURNPIKE, PO BOX 305, MILTON, NEW YORK 12547
PHONE #(845)795-6167 / FAX #(845)795-6171

THOMAS CORCORAN
BUILDING/FIRE INSPECTOR
CODE ENFORCEMENT OFFICER

*ALL INSPECTIONS REQUIRE A 24 HOUR NOTIFICATION (NO EXCEPTIONS)
*$50.00 PENALTY WILL BE ASSESSED FOR WORK NOT READY AT INSPECTION

*UNDER NO CIRCUMSTANCE WILL CONCRETE BE POURED WITHOUT INSPECTION

*NO ONE IS PERMITTED TO OCCUPY ANY BUILDING CONSTRUCTED UNDER A BUILDING PERMIT WITHOUT A CERTIFICATE OF OCCUPANCY

INSPECTIONS	WHEN
1) SETBACKS & FOOTINGS	BEFORE POURING ANY FOOTINGS
2) *FOUNDATION/SLAB*	*BEFORE POURING*
3) PERIMETER DRAINS,PARGING AND WATERPROOFING	BEFORE BACKFILL
4) FRAMING	BEFORE COVERINGS (IE: TYVEK)
5) *ROUGH ELECTRIC*	BEFORE INSULATION/ENCLOSING
6) ROUGH PLUMBING	BEFORE INSULATION TO INCLUDE TEST OF WASTE AND DOMESTIC WATER.
7) FIRE BLOCKING	BEFORE INSULATION
8) INSULATION	BEFORE ENCLOSING WALLS
9) CHIMNEY	BEFORE ENCLOSING WALLS
10) HEATING APPARATUS	UPON COMPLETION TO INCLUDE BACK FLOW PREVENTER, LOW WATER CUT OFF & FRESH AIR INTAKE PER CODE.
11) CERTIFIED SURVEY "AS BUILT" TO INCLUDE SEPTIC LOCATION	ANYTIME BEFORE FINAL
12) 911 ADDRESS NUMBERS	CONTACT INSPECTOR
13) FINAL	AT CONSTRUCTION COMPLETION INCLUDE: FINAL ELECTRIC CERTIFICATE FINAL BOARD OF HEALTH

NOTE: OTHER INSPECTIONS MAY BE REQUIRED AT THE DISCRETION OF THE BUILDING INSPECTOR. (IE: DECK FOOTINGS & FRAMING, STEEL, WELDING,CONCRETE)

INSPECTION AGENCIES APPROVED BY THE TOWN OF MARLBORUGH

Electrical Underwriter	**Ernie Bello Nicholas Romano**	**569-1759**
NY Certified Electrical Inspectors LLC	**Jerry Caliendo**	**294-7695**
Tri State	**Lou Ambrosia Vinny Ambrosia Al Shauger**	**544-2180**
Commonwealth	**Ron Henry**	**562-8429**
NY Electrical Inspectors	**Greg Murod**	**586-2430**
Middle Department (MDIA)	**Pete Jennings**	**518-610-8133**
Z3 Consultants Inc.	**Gary Beck**	**471-9370**
Swanson Consulting	**Joe Swanson**	**496-4443**
NY Electrical Inspections & Consulting	**John Wierl**	**343-6934 551-8466**
New York Board	**Pat Decina**	**298-6792**
CP Certified Electrical	**Chris Peone**	**853-3202**
LM Electrical & Consulting Corp.	**Logan Millington**	**202-2651**
SAS Electrical Inspections	**Yuri Badovich**	**801-2172**
Inspections On Time	**Maria Mendez**	**233-6711**

ANY OTHER INSPECTOR'S OTHER THAN THOSE LISTED ABOVE DO NOT HAVE AUTHORIZATION TO DO INSPECTIONS IN THE TOWN OF MARLBOROUGH

*** No Area Code Listed Defaults to 845**

§RR311
MEANS OF EGRESS
<TB5.7>

§RR311.1 General. Stairways, ramps, exterior egress balconies, hallways and doors shall comply with this section.

§RR311.2 Construction.

§RR311.2.1 Attachment. Required exterior egress balconies, exterior exit stairways and similar means of egress components 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.

§RR311.2.2 Under stair protection. Enclosed accessible space under stairs shall have walls, under stair surface and any soffits protected on the enclosed side with $^1/_2$-inch (13 mm) gypsum board.

§RR311.3 Hallways. The minimum width of a hallway shall be not less than 3 feet (914 mm).

§RR311.4 Doors. <TB5.7>

§RR311.4.1 Exit door required. Not less than one exit door conforming to this section shall be provided for each dwelling unit. The required exit door shall provide for direct access from the habitable portions of the dwelling to the exterior without requiring travel through a garage. Access to habitable levels not having an exit in accordance with this section shall be by a ramp in accordance with §RR311.6 or a stairway in accordance with §RR311.5.

§RR311.4.2 Door type and size. The required exit door shall be a side-hinged door not less than 3 feet (914 mm) in width and 6 feet 8 inches (2032 mm) in height. Other doors shall not be required to comply with these minimum dimensions.

§RR311.4.3 Landings at doors. There shall be a floor or landing on each side of each exterior door. The floor or landing at the exterior door 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 §RR311.4.1 shall not be required to comply with this requirement but shall have a rise no greater than that permitted in §RR311.5.3. The landing shall be permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2-percent). <TB5.7> NY NY NY

Exceptions:

1. Where a stairway of three 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 provided the door, other than an exterior storm or screen door does not swing over the stairway. NY NY NY NY

2. The exterior landing at an exterior doorway shall not be more than $8^1/_4$ 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.

3. The height of floors at exterior doors other than the exit door required by §RR311.4.1 shall not be more than $8^1/_4$ inches (209 mm) lower than the top of the threshold. NY NY NY

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.

§RR311.4.4 Type of lock or latch. All egress doors shall be readily openable from the side from which egress is to be made without the use of a key or special knowledge or effort.

§RR311.5 Stairways. <TB5.7>

§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 largest 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 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 degrees (0.51 rad) 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. <TB5.7>

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

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

The width of each landing shall not be less than the width of 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).*

§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.<TB5.7>

§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 the 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. <TB5.7>

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. <TB5.7>

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 $1^3/_4$ 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 $2^3/_4$ inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

§RR311.5.7 Illumination. All stairs shall be provided with illumination in accordance with §RR303.6.

§RR311.5.8 Special stairways. Spiral stairways and bulkhead enclosure stairways shall comply with all requirements of §RR311.5 except as specified below.

§RR311.5.8.1 Spiral stairways. Spiral stairways are permitted for interior use as a component of the means of egress from a habitable room, a basement or an attic, provided the minimum width shall be 26 inches (660 mm) with each tread having a $7^1/_2$-inches (190 mm) minimum tread depth at 12 inches from the narrower edge. All treads shall be identical, and the rise shall be no more than $9^1/_2$ inches (241 mm). A minimum headroom of 6 feet 6 inches (1982 mm) shall be provided. A spiral stair is not permitted to be the only means of egress from a story of a building.

§RR311.5.8.2 Bulkhead enclosure stairways. Stairways serving bulkhead enclosures, not part of the required building egress, providing access from the outside grade level to the basement shall be exempt from the requirements of §RR311.4.3 and §RR311.5 where the maximum height from the basement finished floor level to grade adjacent to the stairway does not exceed 8 feet (2438 mm), and the grade level opening to the stairway is covered by a bulkhead enclosure with hinged doors or other approved means. <TB5.7>

§RR311.6 Ramps.

§RR311.6.1 Maximum slope. Ramps shall have a maximum slope of one unit vertical in twelve units horizontal (8.3-percent slope). NY

Exception: Where it is technically infeasible to comply because of site constraints, ramps may have a maximum slope of one unit vertical in eight horizontal (12.5 percent slope). NY NY NY

§RR311.6.2 Landings required. A minimum 3-foot-by-3-foot (914 mm by 914

mm) landing shall be provided:

1. At the top and bottom of ramps.

2. Where doors open onto ramps.

3. Where ramps change direction.

§RR311.6.3 Handrails required. Handrails shall be provided on at least one side of all ramps exceeding a slope of one unit vertical in 12 units horizontal (8.33-percent slope).

§RR311.6.3.1 Height. Handrail height, measured above the finished surface of the ramp slope, shall be not less than 34 inches (864 mm) and not more than 38 inches (965 mm).

§RR311.6.3.2 Handrail grip size. Handrails on ramps shall comply with §RR311.5.6.3.

§RR311.6.3.3 Continuity. Handrails where required on ramps shall be continuous for the full length of the ramp. 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 1.5 inches (38 mm) between the wall and the handrails.

§RR312
GUARDS

§RR312.1 Guards. Porches, balconies, ramps 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. NY

Porches and decks which are enclosed with insect screening shall be equipped 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.