



Zoning Resolution

THE CITY OF NEW YORK
Bill de Blasio, Mayor

CITY PLANNING COMMISSION
Marisa Lago, Chair

24-50 - HEIGHT AND SETBACK REGULATIONS

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24-50 - HEIGHT AND SETBACK REGULATIONS

LAST AMENDED
3/22/2016

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In all districts, as indicated, the height and setback regulations of this Section 24-50, inclusive, shall apply as follows.

Height and setback regulations applicable to R1 through R5 Districts, except R5D Districts, are set forth in Section 24-521 (Front setbacks in districts where front yards are required). In R5D Districts, all #buildings or other structures# shall comply with the applicable height and setback requirements set forth in Section 23-60 (HEIGHT AND SETBACK REGULATIONS).

In R6A, R6B, R7A, R7B, R7D, R7X, R8A, R8B, R8X, R9A, R9D, R9X, R10A or R10X Districts, any #building# shall comply with the height and setback regulations for #Quality Housing buildings# set forth in Article II, Chapter 3. In R6, R7, R8, R9 or R10 Districts without a letter suffix, if the #residential# portion of a #building# containing a #community facility use# is #developed# or #enlarged# pursuant to the Quality Housing Program, the entire #building# shall comply with the applicable height and setback regulations for #Quality Housing buildings# set forth in Article II, Chapter 3. For other #buildings# in R6 through R10 Districts without a letter suffix utilizing the provisions of this Chapter, height and setback regulations are set forth in Sections 24-522 (Front setbacks in districts where front yards are not required), 24-53 (Alternate Front Setbacks) and 24-54 (Tower Regulations), as applicable.

In all districts, supplemental provisions are set forth in Sections 24-55 (Required Side and Rear Setbacks), 24-56 (Special Height and Setback Provisions for Certain Areas), 24-57 (Modifications of Height and Setback Regulations), 24-58 (Special Provisions for Zoning Lots Divided by District Boundaries) and 24-59 (Special Height Limitations), respectively.

24-51 - Permitted Obstructions

LAST AMENDED
4/30/2012

In all #Residence Districts#, the following obstructions shall be permitted and may thus penetrate a maximum height limit or #sky exposure plane# set forth in Sections 24-52 (Maximum Height of Walls and Required Setbacks), 24-53 (Alternate Front Setbacks) or 24-591 (Limited Height Districts):

- (a) Awnings and other sun control devices, provided that when located at a level higher than the first #story#, excluding a #basement#, all such awnings and other sun control devices:
 - (1) shall be limited to a maximum projection from a #building# wall of 2 feet, 6 inches, except when located on the first #story# above a setback;

- (2) shall have solid surfaces that, in aggregate, cover an area no more than 30 percent of the area of the #building# wall (as viewed in elevation) from which they project; and
- (3) may rise above the permitted #building# height, up to the height of a parapet wall or guardrail permitted in accordance with Section 23-62 (Permitted Obstructions);

When located on the first #story# above a setback, awnings and other sun control devices shall be limited to a projection of 50 percent of the depth of the required setback, and shall be limited, in total, to 50 percent of the width of the #building# wall from which they project;

- (b) Balconies, unenclosed, subject to the provisions of Section 24-166;
- (c) #Building# columns, having an aggregate width equal to not more than 20 percent of the #aggregate width of street walls# of a #building#, to a depth not exceeding 12 inches, in an #initial setback distance#, optional front open area, or any other required setback distance or open area set forth in Sections 24-52, 24-53 or 24-54 (Tower Regulations);
- (d) Chimneys or flues, with a total width not exceeding 10 percent of the #aggregate width of street walls# of a #building# at any level;
- (e) Decks, and other surfaces for recreational activities, not more than 3 feet, 6 inches in height, as measured from the maximum height limit, or the finished level of the roof as it existed on April 30, 2012, whichever is higher;
- (f) Elevator or stair bulkheads (including shafts; and vestibules not larger than 60 square feet in area providing access to a roof), roof water tanks and #accessory# mechanical equipment (including enclosures), other than solar or wind energy systems, provided that:
 - (1) such obstructions shall be located not less than 10 feet from the #street wall# of a #building#, except that such obstructions need not be set back more than 25 feet from a #narrow street line# or more than 20 feet from a #wide street line#. However, such restrictions on location shall not apply to elevator or stair bulkheads (including shafts or vestibules), provided the #aggregate width of street walls# of such bulkheads within 10 feet of a #street wall#, facing each #street# frontage, times their average height, in feet, does not exceed an area equal to four feet times the width, in feet, of the #street wall# of the #building# facing such frontage;
 - (2) all mechanical equipment shall be screened on all sides;
 - (3) such obstructions and screening are contained within a volume that complies with one of the following:
 - (i) the product, in square feet, of the #aggregate width of street walls# of such obstructions facing each #street# frontage, times their average height, shall not exceed an area equal to eight feet times the width, in feet, of the #street wall# of the #building# facing such frontage; or

- (ii) the #lot coverage# of all such obstructions does not exceed 20 percent of the #lot coverage# of the #building#, and where the maximum permitted height of a #building# is less than 120 feet, such obstructions are limited to a maximum height of 25 feet, and where the maximum permitted height of a #building# is 120 feet or greater, such obstructions are limited to a maximum height of 40 feet.

For the purposes of this paragraph (f), #abutting buildings# on a single #zoning lot# may be considered to be a single #building#;

- (g) Exterior wall thickness, up to eight inches, where such wall thickness is added to the exterior face of a #building# wall existing on April 30, 2012, provided the added wall thickness has a thermal resistance (R-value) of at least 1.5 per inch. Where #buildings# that have added exterior wall thickness pursuant to this Section are #enlarged#, such #enlarged# portion may similarly penetrate a maximum height limit in order to align with the exterior walls of the existing #building#, provided such #enlargement# contains less #floor area# than the existing #building#, and there is no penetration of #floor area# above a maximum height limit;
- (h) Flagpoles or aerials;
- (i) House of worship towers, ornamental, having no #floor area# in portion of tower penetrating such height limit or #sky exposure plane#;
- (j) Parapet walls, not more than four feet in height, as measured from the maximum height limit, or the finished level of the roof as it existed on April 30, 2012, whichever is higher. A guardrail with a surface at least 70 percent open or with an opacity of not more than 30 percent (as viewed in elevation), shall be permitted above a parapet wall or within two feet of a parapet wall, provided such guardrail is not more than four feet above the accessible level of a roof. Such restriction on guardrail height shall not apply when located beyond two feet from a parapet wall;
- (k) Roof thickness, up to eight inches, to accommodate the addition of insulation, for #buildings# or portions of #buildings# constructed prior to April 30, 2012. For a #building# that has added roof thickness pursuant to this paragraph, (k), an #enlargement# may align with the finished roof surface of such #building#, provided the #enlarged# portion does not exceed the maximum height limit by more than eight inches;
- (l) Rooftop greenhouses, permitted pursuant to Section 75-01 (Certification for Rooftop Greenhouses);
- (m) Skylights, clerestories or other daylighting devices, not more than four feet in height, as measured from the maximum height limit, or the finished level of the roof as it existed on April 30, 2012, whichever is higher. Such devices shall be limited to a #lot coverage# not greater than 10 percent of the #lot coverage# of the roof and be located at least eight feet from the #street wall# edge. However, such devices shall not be permitted obstructions above a roof with a slope greater than 20 degrees;

- (n) Solar energy systems:
- (1) on the roof of a #building#, up to four feet in height, as measured from the maximum height limit, or the finished level of the roof, whichever is higher;
 - (2) on the roof of a #building#, greater than four feet in height, as measured from the maximum height limit, or the finished level of the roof, whichever is higher, provided that all such portions above four feet are set back at least six feet from a #street wall#, limited to a #lot coverage# not greater than 25 percent of the #lot coverage# of the roof and do not exceed:
 - (i) in R1 through R5 Districts, a height of six feet;
 - (ii) in R6 through R10 Districts, a height of 15 feet; and
 - (iii) when located on a bulkhead or other obstruction pursuant to paragraph (f) of this Section, a height of six feet;
 - (3) on walls existing on April 30, 2012, projecting no more than 10 inches and occupying no more than 20 percent of the surface area of the #building# wall (as viewed in elevation) from which it projects;

However, any installation on a roof with a slope greater than 20 degrees shall be limited to 18 inches in height, as measured perpendicular to the roof surface;

- (o) Spires or belfries;
- (p) Vegetated roofs, not more than 3 feet, 6 inches in height, excluding vegetation, as measured from the maximum height limit, or the finished level of the roof as it existed on April 30, 2012, whichever is higher. On roofs with slopes greater than 20 degrees, vegetated roofs shall be limited to a height of 12 inches measured perpendicular to such roof surface;
- (q) Weirs, check dams and other equipment for stormwater management, not more than 3 feet, 6 inches in height, as measured from the maximum height limit, or the finished level of the roof as it existed on April 30, 2012, whichever is higher;
- (r) Wind energy systems on portions of #buildings# with a height of 100 feet or greater, provided:
 - (1) the highest point of the wind turbine assembly does not exceed 55 feet;
 - (2) no portion of the wind turbine assembly is closer than 10 feet to any #lot line#; and
 - (3) the diameter of the swept area of the rotor does not exceed 15 feet;
- (s) Window washing equipment mounted on a roof;
- (t) Wire, chain link or other transparent fences.

24-52 - Maximum Height of Walls and Required Setbacks

LAST AMENDED
6/29/1994

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In all districts, as indicated, the maximum height of a front wall or of any other portion of a #building or other structure# shall be as set forth in this Section, except as otherwise provided in Section 24-51 (Permitted Obstructions), 24-53 (Alternate Front Setbacks), 24-54 (Tower Regulations) or 23-692 (Height limitations for narrow buildings or enlargements).

24-521 - Front setbacks in districts where front yards are required

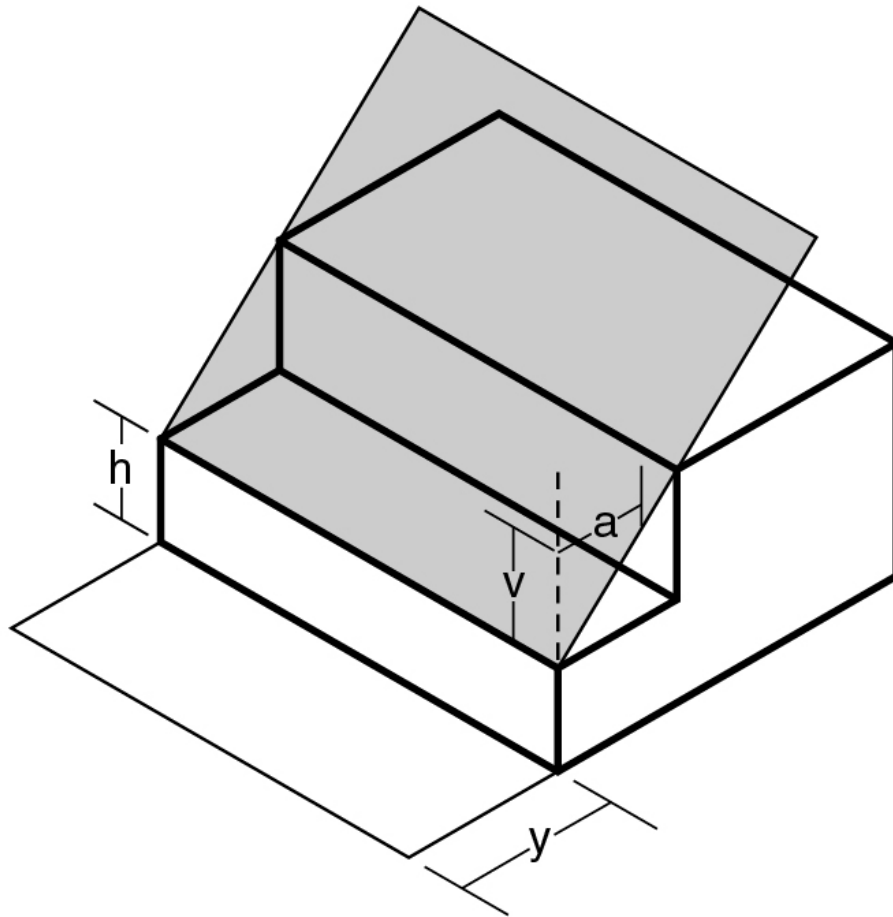
LAST AMENDED
3/22/2016

R1 R2 R3 R4 R5

In the districts indicated, except R5D Districts, where #front yards# are required, the front wall or any other portion of a #building or other structure# shall not penetrate the #sky exposure plane# set forth in the following table:

MAXIMUM HEIGHT OF FRONT WALL AND REQUIRED FRONT SETBACKS

Height above #Front Yard Line# (in feet)	#Sky Exposure Plane#				District	
	Slope over #Zoning Lot# (expressed as a ratio of vertical distance to horizontal distance)					
	On #Narrow Street#		On #Wide Street#			
	Vertical Distance	Horizontal Distance	Vertical Distance	Horizontal Distance		
25	1 to	1	1 to	1	R1 R2 R3	
35	1 to	1	1 to	1	R4 R5	



a - Horizontal distance

v - Vertical distance

h - Height of *sky exposure plane*
above *front yard line level*

y - Depth of required
front yard

 *Sky Exposure Plane*

SKY EXPOSURE PLANE
R1, R2, R3, R4, R5 Districts

24-522 - Front setbacks in districts where front yards are not required

LAST AMENDED
3/22/2016

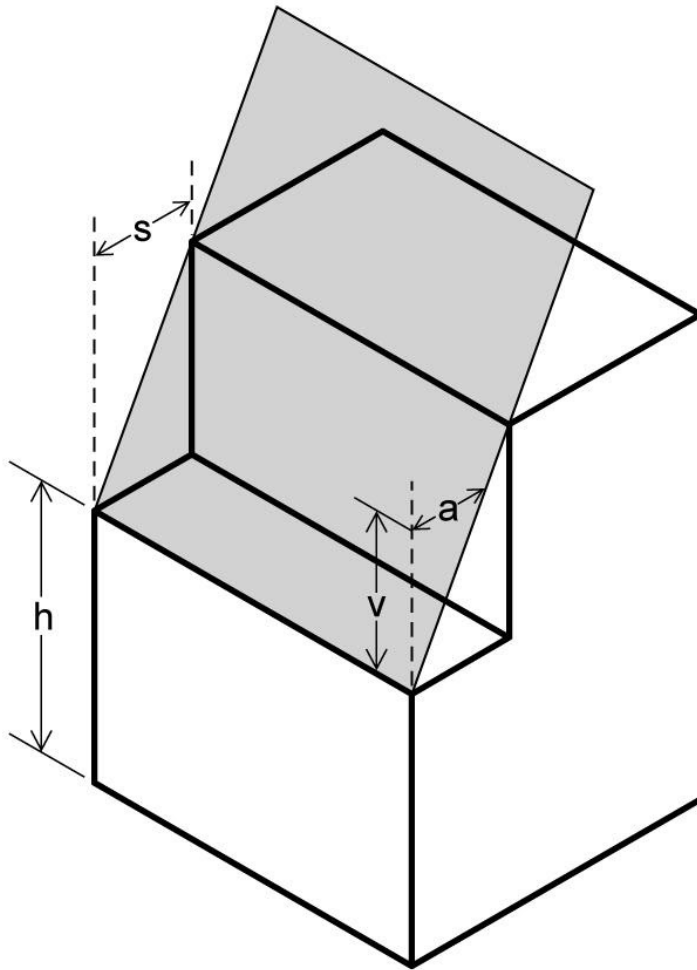
R6 R7 R8 R9 R10

In the districts indicated without a letter suffix, for #buildings# other than #Quality Housing buildings#, if the front wall or other portion of a #building or other structure# is located at the #street line# or within the #initial setback distance# set forth in the table in this Section, the height of such front wall or other portion of a #building or other structure# shall not exceed the maximum height above #curb level# set forth in the table. Above such specified maximum height and beyond the

#initial setback distance#, the #building or other structure# shall not penetrate the #sky exposure plane# set forth in the table:

MAXIMUM HEIGHT OF FRONT WALL AND REQUIRED FRONT SETBACKS

#Initial Setback Distance# (in feet)		Maximum Height of a Front Wall or other portion of a #Building or other structure# within the #Initial Setback Distance#	#Sky Exposure Plane#				
			Height above #Street Line# (in feet)	Slope over #Zoning Lot# (expressed as a ratio of vertical distance to horizontal distance)			
On #Narrow Street#				On #Wide Street#			
Vertical Distance	Horizontal Distance			Vertical Distance	Horizontal Distance		
On #Narrow Street#	On #Wide Street#						
R6 or R7 Districts							
20	15	60 feet or six #stories#, whichever is less	60	2.7	to 1	5.6	to 1
R8, R9 or R10 Districts							
20	15	85 feet or nine #stories#, whichever is less	85	2.7	to 1	5.6	to 1



a - Horizontal distance

s - *Initial setback distance*

h - Height of sky exposure plane above street line

v - Vertical distance

 Sky Exposure Plane

SKY EXPOSURE PLANE

R6, R7, R8, R9, R10 Districts

24-53 - Alternate Front Setbacks

LAST AMENDED

3/22/2016

R6 R7 R8 R9 R10

In the districts indicated without a letter suffix, for #buildings# other than #Quality Housing buildings#, if an open area is provided along the full length of the #front lot line# with the minimum depth set forth in the following table, the provisions of Section 24-52 (Maximum Height of Walls and Required Setbacks) shall not apply. The minimum depth of such an open area shall be measured perpendicular to the #front lot line#. However, in such instances, except as otherwise provided in

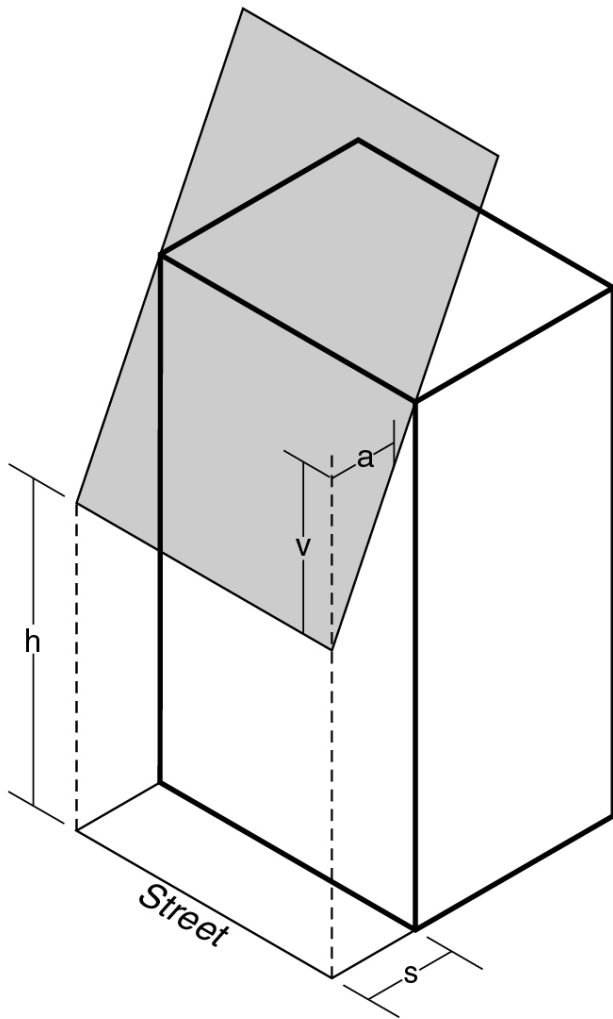
Sections 24-51 (Permitted Obstructions) or 24-54 (Tower Regulations), no #building or other structure# shall penetrate the alternate #sky exposure plane# set forth in the table, and the #sky exposure plane# shall be measured from a point above the #street line#.

If the open area provided under the terms of this Section is a #public plaza#, such open area may be counted for the bonus provided for a #public plaza# in the districts indicated in Section 24-14 (Floor Area Bonus for a Public Plaza).

In R9 or R10 Districts, the provisions of this Section shall be inapplicable to any #development# or #enlargement# with more than 25 percent of the total #floor area# of the #building# in #residential use#.

ALTERNATE REQUIRED FRONT SETBACKS

Depth of Optional Front Open Area (in feet)		Alternate #Sky Exposure Plane#				
		Height above #Street Line# (in feet)	Slope over #Zoning Lot# (expressed as a ratio of vertical distance to horizontal distance)			
On #Narrow Street#	On #Wide Street#			On #Narrow Street#		On #Wide Street#
		Vertical Distance		Horizontal Distance	Vertical Distance	Horizontal Distance
Within R6 or R7 Districts						
15	10	60	3.7	to 1	7.6	to 1
Within R8 R9 or R10 Districts						
15	10	85	3.7	to 1	7.6	to 1



- a - Horizontal distance
- h - Height of *sky exposure plane* above *street line*
- s - Depth of the optional front open area
- v - Vertical distance

 *Sky Exposure Plane*

ALTERNATE SKY EXPOSURE PLANE
 R6 R7 R8 R9 R10 Districts

24-54 - Tower Regulations

LAST AMENDED
 3/22/2016

R7-2 R8 R9 R10

- (a) In the districts indicated without a letter suffix, for *#buildings#* other than *#Quality Housing buildings#*, except as set forth in paragraph (b) of this Section, any portion or portions of *#buildings#* which in the aggregate occupy not more than 40 percent of the *#lot area#* of a *#zoning lot#* or, for *#zoning lots#* of less than 20,000 square feet, the percentage set forth in the table in this Section, may penetrate an established *#sky exposure plane#* in accordance

with the provisions of this Section. (Such portion of a #building# that penetrates a #sky exposure plane# is hereinafter referred to as a tower.)

LOT COVERAGE OF TOWERS ON SMALL ZONING LOTS

Area of #Zoning Lot# (in square feet)	Maximum Percent of #Lot Coverage#
10,500 or less	50
10,501 to 11,500	49
11,501 to 12,500	48
12,501 to 13,500	47
13,501 to 14,500	46
14,501 to 15,500	45
15,501 to 16,500	44
16,501 to 17,500	43
17,501 to 18,500	42
18,501 to 19,999	41

#Buildings developed# or #enlarged# with towers shall comply with either tower-on-a-base regulations or standard tower regulations as follows:

(1) Applicability of tower-on-a-base regulations

The tower-on-a-base regulations of Section 23-651 shall apply in R9 and R10 Districts to any such #building# that:

- (i) is located on a #zoning lot# that fronts upon a #wide street# and is either within 125 feet from such #wide street# frontage along the short dimension of the #block# or within 100 feet from such #wide street# frontage along the

long dimension of the #block#; and

- (ii) contains more than 25 percent of its total #floor area# in #residential use#.

If a portion of such #building# is #developed# or #enlarged# as a #tower# the entire #zoning lot# shall comply with the provisions of Section 23-651.

(2) Applicability of standard tower regulations

- (i) In R7-2 and R8 Districts, the standard tower regulations of Section 23-652 shall apply only to #buildings developed# or #enlarged# as towers, where such towers are comprised, at every level, of only #community facility uses#.
- (ii) In R9 and R10 Districts, the standard tower regulations of Section 23-652 shall apply to any #building developed# or #enlarged# as a tower that does not meet the location and #floor area# criteria of paragraph (a)(1) of this Section.

(b) Inapplicability of tower regulations

R7-2 R8 R9 R10

In the districts indicated, the provisions of this Section shall not apply to any #development# or #enlargement# located wholly or partly in a #Residence District# that is within 100 feet of a #public park# with an area of one acre or more, or a #street line# opposite such a #public park#.

24-55 - Required Side and Rear Setbacks

LAST AMENDED
4/30/2012

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In all districts, as indicated, side and rear setbacks shall be provided as specified in this Section. Unenclosed balconies, subject to the provisions of Section 24-166 (Balconies); and awnings and other sun control devices, decks, exterior wall thickness, parapet walls, roof thickness, solar energy systems up to four feet high, vegetated roofs, and weirs, as set forth in Section 24-51 (Permitted Obstructions), are permitted to project into or over any open areas required by the provisions of this Section.

24-551 - Required side setbacks for tall buildings in low bulk districts

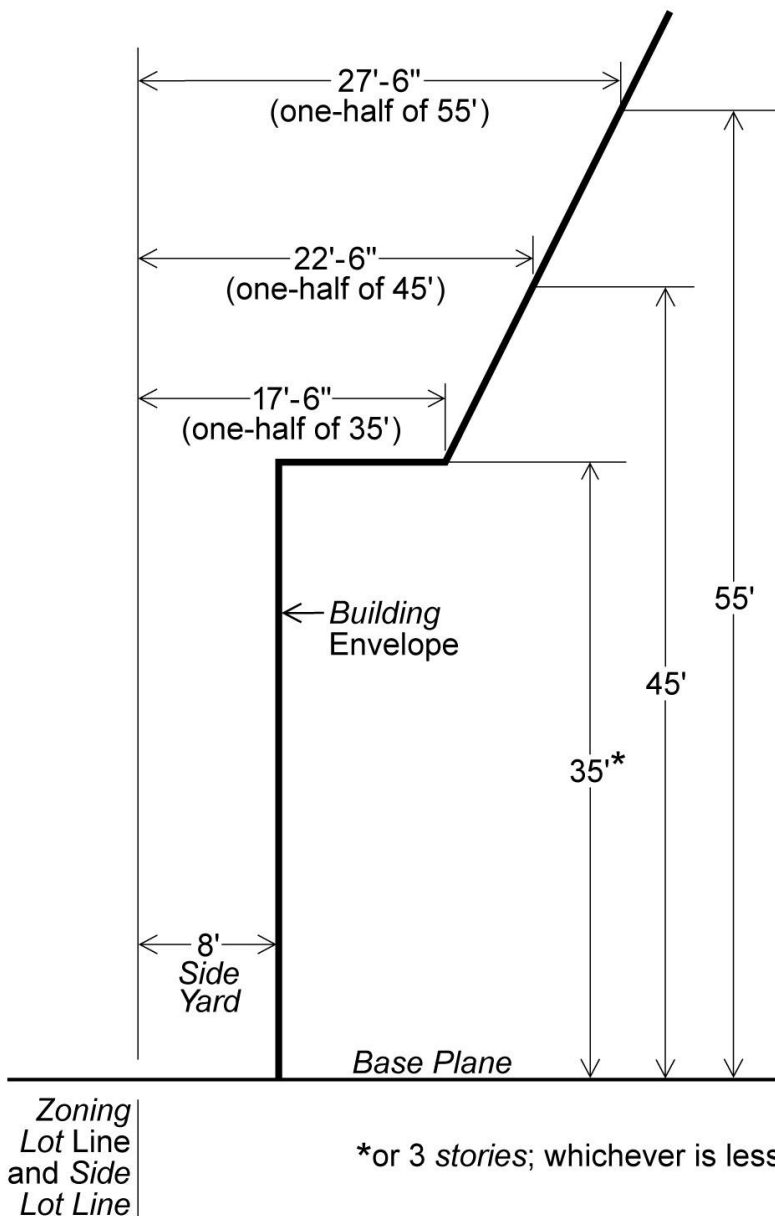
LAST AMENDED
2/2/2011

R1 R2 R3 R4 R5

In the districts indicated, except R5D Districts, no #community facility# portion of any #building# that is more than 35 feet or more than three #stories# above the level of a #side yard#, whichever is lower, shall be nearer to a #side lot line# bounding such #yard# than a distance equal to one-half the height above yard level of such portion of the #building#.

The following are permitted to project into any open area required under the provisions of this Section:

- (a) parapet walls, not more than four feet high; and
- (b) chimneys or flues, with a total width not exceeding 10 percent of the width of the #building's# walls facing such open area.



SIDE SETBACK REQUIREMENT

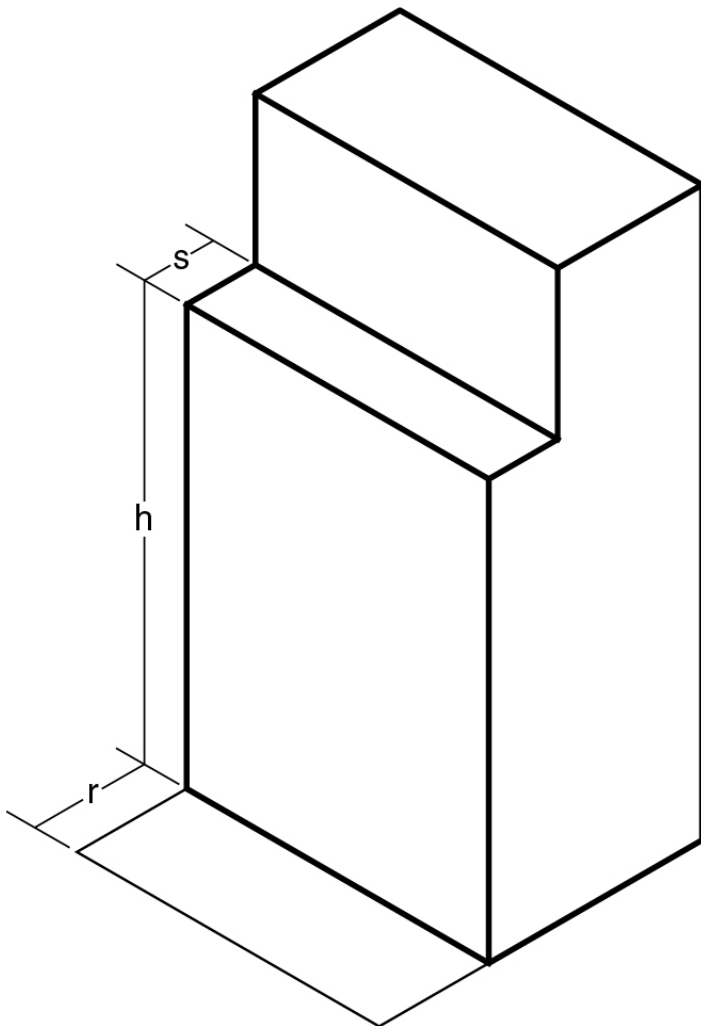
24-552 - Required rear setbacks for tall buildings

LAST AMENDED
3/22/2016

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In the districts indicated without a letter suffix, for #buildings# other than #Quality Housing buildings#, no portion of a #building# more than 125 feet above yard level shall be nearer to a #rear yard line# than 20 feet. However, this provision shall not apply to any portion of a #building# that qualifies as a tower under the provisions of Section 24-54.

In the case of a #through lot# on which a #rear yard equivalent# is provided as set forth in paragraph (a) of Section 24-382, the requirements of this Section shall apply as if such #rear yard equivalent# were two adjoining #rear yards#. If a #rear yard equivalent# is provided as set forth in paragraphs (b) or (c) of Section 24-382, the requirements of this Section shall not apply.



h - Height of wall above *rear yard*

r - Depth of required *rear yard*

s - Depth of required *rear yard* setback

REAR SETBACK FOR TALL BUILDINGS

Regulations Applying in Special Situations

24-56 - Special Height and Setback Provisions for Certain Areas

LAST AMENDED
11/30/2017

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

(a) For Zoning Lots Directly Adjoining Public Parks

In all districts, as indicated, a #public park# with an area of between one and 15 acres shall be considered a #wide street# for the purpose of applying the regulations set forth in Section 24-52 (Maximum Height of Walls and Required Setbacks) to any #building or other structure# on a #zoning lot# adjoining such #public park#. However, the provisions of this Section shall not apply to a #public park# more than 75 percent of which is paved.

(b) Community District 6, Manhattan

In Community District 6 in the Borough of Manhattan, for #buildings developed# or #enlarged# with towers in R10 Districts located east of First Avenue and north of East 51st Street, the provision of paragraph (a)(1) of Section 24-54 (Tower Regulations) shall be modified to require that the tower-on-a-base provisions of Section 23-651 apply to all #buildings# where more than 25 percent of the total #floor area# of the #building# is allocated to #residential uses#, irrespective of whether the #building# has #wide street# or #narrow street# frontage#. However, such provisions shall be modified in accordance with the provisions of Section 23-675 (Provisions for certain R10 Districts within Community District 6 in the Borough of Manhattan).

(c) Community District 7, Manhattan

Within the boundaries of Community District 7 in the Borough of Manhattan, all #buildings or other structures# located in R10 Districts, shall comply with the requirements of Section 23-672 (Special height and setback regulations in R10 Districts within Community District 7, Borough of Manhattan).

(d) Community District 9, Manhattan

Within the boundaries of Community District 9 in the Borough of Manhattan, all #buildings# located in R8 Districts north of West 125th Street shall be #developed# or #enlarged# pursuant to the #residential bulk# regulations of Section 23-674 (Special height and setback regulations for certain sites in Community District 9, Borough of Manhattan).

24-57 - Modifications of Height and Setback Regulations

LAST AMENDED
11/30/2017

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In all districts, as indicated, for certain #community facility uses# in specified situations, the Board of Standards and Appeals may modify the regulations set forth in Sections 24-50 through 24-55, inclusive, and paragraphs (b) through (d) of Section 24-56, relating to height and setback regulations, in accordance with the provisions of Section 73-64 (Modifications for Community Facility Uses). However, for #Quality Housing buildings# utilizing the height and setback regulations of Article II, Chapter 3, as required by Section 24-50, the Board shall not permit modification to the provisions of Sections 23-67 through 23-69, inclusive.

In Community District 6 in the Borough of Brooklyn, the following #streets# shall be considered #narrow streets# for the purposes of applying height and setback regulations: Second, Carroll and President Streets, between Smith and Hoyt Streets; First Place, Second Place, Third Place and Fourth Place.

24-58 - Special Provisions for Zoning Lots Divided by District Boundaries

LAST AMENDED
8/14/1987

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In all districts, as indicated, whenever a #zoning lot# is divided by a boundary between districts, or is subject to other regulations resulting in different height and setback regulations, or whenever a #zoning lot# is divided by a boundary between a district to which the provisions of Section 24-54 (Tower Regulations) apply and a district to which such provisions do not apply, the provisions set forth in Article VII, Chapter 7, shall apply.

24-59 - Special Height Limitations

LAST AMENDED
6/29/1994

24-591 - Limited Height Districts

LAST AMENDED
6/29/1994

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

In all districts, as indicated, wherever such districts are located within a #Limited Height District#, the maximum height of a #building or other structure#, or portion thereof, shall be as shown in the following table:

#Limited Height District#	Maximum Height above #Curb Level# or #Base Plane#, as applicable
LH-1	50 feet
LH-1A	60 feet
LH-2	70 feet
LH-3	100 feet

24-592 - Height limitations for narrow buildings or enlargements

LAST AMENDED
3/22/2016

R7-2 R8 R9 R10

In the districts indicated, the provisions of Section 23-692 (Height limitations for narrow buildings or enlargements) shall apply to portions of #buildings# with #street walls# less than 45 feet in width.