

ARTICLE 4.5 BUILDING DESIGN STANDARDS AND GUIDELINES

Section 4-501. Single Family Residential Dwellings

- (a) Applicability:
- (1) The design standards outlined in Section 4-501 shall apply to detached single-family dwellings, townhomes, or duplexes. Additional design standards for manufactured and modular homes, which are outlined in Sections 4-502 and 4-503, are required to ensure their compatibility with stick-built homes in residential neighborhoods. These design standards shall supersede any standards that may conflict with the most recent version of the International Building Code or International Residential Code that have currently been adopted by the Town of Alpine.
- (2) General design guidelines outlined in Section 4-501(l) are recommended design criteria that are preferred by the Town of Alpine, but not a requirement of the Alpine Land Use and Development Code.
- (b) Size Limitations: No single-family dwelling unit shall exceed eight thousand (8,000) square feet of gross floor area. No single-family dwelling unit shall be any smaller than allowed by the most recent version of the International Building Code and/or International Residential Code that has been adopted by the Town of Alpine.
- (c) Floor Area: Floor area shall be measured from the foundation walls, no portion of concrete, posts and/or piers shall be allowed in the established setback area.
- (d) Building Eave Projections/Overhangs: Shall not extend more than half (½) the setback or six (6) feet whichever is less, so long as the structure meets all the established engineering standards.
- (e) Garages: Garages shall be detached from, or attached to, the primary residential structure.
- (f) Windows and Entryways: At least fifteen (15) percent of the area of a street-facing façade shall include windows or main entryways.
- (g) Building Materials: Primary structures shall be constructed out of new or recycled materials. **The relocation of old or used single-family home structures into the Town of Alpine is prohibited.**
- (h) Roof Pitch:
- (1) Structures roof style shall balance compatibility with the character of the area and snow shed considerations. Where pitched roofs are used, steeper roof pitches are preferred, but flatter pitches are permitted. Provided the engineering standards are met. The choice of roof pitch shall include consideration if and where the roof shall hold or release snow and where roof drainage shall occur.
- (2) Pitched roofs without a parapet wall require an eighteen (18) inch minimum overhang.
- (i) Wind Speed Design: Structures shall be able to resist a wind speed design of one hundred fifteen (115) miles per hour; Exposure C. Refer to the current adopted version of the IRC by the Town of Alpine.
- (j) Snow Load: Structures shall be able to support a roof snow load of one hundred (100) pounds per square foot and a ground snow load of one hundred forty-three (143) pounds per square foot.
- (k) Seismic Design: Structures shall be designed to support site class “D” seismic design.

- (l) Frost Depth: Structures shall be designed to support thirty-six (36) inch frost line depth.
- (m) Radon Mitigation: Structures shall identify radon control methods or location on building plans. Radon mitigation piping shall be installed as identified in Appendix F, of the International Residential Code (IRC). Refer to the current adopted version of the IRC by the Town of Alpine. It is recommended that property owners have structure tested for radon levels.
- (n) Architectural Guidelines:
 - (1) While the color of buildings is a subjective consideration, the Town of Alpine prefers the use of building colors, e.g., earth tones, which are complementary to the surrounding neighborhood environment.
 - (2) While the town does not restrict the use of any exterior material, the Town of Alpine prefers the use of exterior materials that reflect the regional, local and immediate context of the natural environment.
 - (3) Review of proposed exterior materials and colors shall consider the positive and negative impacts on the surrounding buildings and natural environment.
 - (4) In order to maintain a consistent architectural character, any attached building or garage shall use similar building materials, design and colors so that the accessory building blends with the general appearance of the primary dwelling.
 - (5) Any attached structures shall not be greater than thirty-three (33) percent taller than the primary roof structure; up to the maximum allowable height.
 - (6) Adjustments may be considered for sloped or irregular lots.

Section 4-502. Manufactured Homes

- (a) The construction of manufactured homes shall conform to the National Manufactured Housing Construction and Safety Standards Act of 1974 (42 U.S.C. §5401 et seq.), the Manufactured Housing Improvement Act of 2000, and all subsequent amendments, as well as manufactured home construction and safety standards outlined in the current regulations of the U.S. Department of Housing and Urban Development (24 CFR, Chapter XX, Part 3280).
- (b) All manufactured homes shall also be subject to the following standards to ensure compatibility with residential neighborhoods:
 - (1) Structures shall be attached to a permanent foundation in accordance with Sections AE 500 and AE 600 of Appendix E of the International Residential Code, or the U.S. Department of Housing and Urban Development Handbook, *Permanent Foundations Guide for Manufactured Housing*, 1996.
 - (2) Floor Area: Floor area shall be measured from the foundation walls, no portion of concrete, posts and/or piers shall be allowed in the established setback area.
 - (3) Building Eave Projections/Overhangs: Shall not extend more than three (3) feet into the setback area.
 - (4) Size Limitations: Structures shall have a minimum width of twenty-four (24) feet and contain a minimum total floor area of eight hundred (800) square feet.

- (5) Wind Speed Design: Structures shall be able to resist a wind speed design of one hundred fifteen (115) miles per hour; Exposure C. Refer to the current adopted version of the IRC by the Town of Alpine.
- (6) Snow Load: Structures shall be able to support a roof snow load of one hundred (100) pounds per square foot and a ground snow load of one hundred forty-three (143) pounds per square foot.
- (7) Seismic Design: Structures shall be designed to support site class "D" seismic design.
- (8) Frost Depth: Structures shall be designed to support thirty-six (36) inch frost line depth.
- (9) Radon Mitigation: Structures shall identify radon control methods or location on building plans. Radon mitigation piping shall be installed as identified in Appendix F, of the International Residential Code (IRC). Refer to the current adopted version of the IRC by the Town of Alpine. It is recommended that property owners have structure tested for radon levels.
- (10) Siding material shall consist of wood or wood products, stucco, brick, rock, lap steel, lap aluminum, or lap vinyl. One (1) or a combination of these materials shall be used to cover the exterior of the housing unit.
- (11) Structures shall contain a roof pitch with roof slope of not less than a four (4)-inch rise for every twelve (12) inches of horizontal run; and follow the currently adopted International Building Code and/or International Residential Code for snow and ice melt.
- (12) The roof structure shall extend not less than eighteen (18) inches from the exterior walls of the building.
- (13) The lower perimeter of the dwelling unit shall be fully enclosed from the lower edge of the dwelling unit to the ground. The material used to enclose the lower perimeter of the dwelling shall be either masonry or the same siding material as on the dwelling proper. Any material used to enclose the lower perimeter of the dwelling unit shall be able to withstand the effects of wind, soil, decay, termites and prevent the entry of rodents.
- (14) An unobstructed access shall be provided along the lower perimeter. The size of the access shall be at least twenty-four by thirty-six (24 x 36) inches.
- (15) No attachments, additions, alterations, or modifications to the exterior walls of a manufactured home are allowed except those approved by the manufacturer for the specific unit. All other additions, porches, decks, garage, or other add-on attachments must be freestanding and self-supporting with no structural reliance on the manufactured unit itself.
- (16) All towing devices, wheels, and undercarriage support used solely for initial transportation of the home shall be removed from the unit and building site within thirty (30) days of delivery to the site.
- (17) Structures shall contain under-floor areas that are ventilated by an approved mechanical means, or by openings into the under-floor area walls.

Section 4-503. Modular Housing

- (a) **Applicability:**
 - (1) The design standards outlined in Section 4-503, are required to ensure their compatibility with stick-built homes in residential neighborhoods. These design standards shall supersede any standards that may conflict with the most recent version of the International Building Code or International Residential Code that have been currently adopted by the Town of Alpine.
 - (2) General design guidelines outlined in Section 4-503(h) are recommended design criteria that are preferred by the Town of Alpine, but not a requirement of the Alpine Land Use and Development Code.
- (b) Modular homes shall be constructed in a factory in accordance with the most currently adopted version of the International Building Code and International Residential Code.
- (c) **Size Limitations:** No single-family dwelling unit shall exceed eight thousand (8,000) square feet of gross floor area. No single-family dwelling unit shall be any smaller than allowed by the most recent version of the International Building Code and/or International Residential Code that has been adopted by the Town of Alpine.
- (d) **Floor Area:** Floor area shall be measured from the foundation walls, no portion of concrete, posts and/or piers shall be allowed in the established setback area.
- (e) **Building Eave Projections/Overhangs:** Shall not extend more than three (3) feet into the setback area.
- (f) **Garages:** Garages shall be detached from, or attached to, the primary residential structure.
- (g) **Windows and Entryways:** At least fifteen (15) percent of the area of a street-facing façade shall include windows or main entryways.
- (h) **Building Materials:** Primary structures shall be constructed out of new or recycled materials. The relocation of old or used modular home structures into the Town of Alpine is prohibited.
- (i) **Roof Pitch:**
 - (1) Structures roof style shall balance compatibility with the character of the area and snow shed considerations. Where pitched roofs are used, steeper roof pitches are preferred, but flatter pitches are permitted. Provided the engineering standards are met. The choice of roof pitch shall include consideration if and where the roof shall hold or release snow and where roof drainage shall occur.
 - (2) Pitched roofs without a parapet wall require an eighteen (18) inch minimum overhang.
- (j) All modular homes shall also be subject to the following standards to ensure compatibility with residential neighborhoods:
 - (1) Structures shall be attached to a permanent foundation that conforms to the currently adopted International Building Code or International Residential Code; that have been adopted by the Town of Alpine.
- (k) **Wind Speed Design:** Structures shall be able to resist a wind speed design of one hundred fifteen (115) miles per hour; Exposure C. Refer to the current adopted version of the IRC by the Town of Alpine.

- (l) **Snow Load:** Structures shall be able to support a roof snow load of one hundred (100) pounds per square foot and a ground snow load of one hundred forty-three (143) pounds per square foot.
- (m) **Seismic Design:** Structures shall be designed to support site class “D” seismic design.
- (n) **Frost Depth:** Structures shall be designed to support thirty-six (36) inch frost line depth.
- (o) **Radon Mitigation:** Structures shall identify radon control methods or location on building plans. Radon mitigation piping shall be installed as identified in Appendix F, of the International Residential Code (IRC). Refer to the current adopted version of the IRC by the Town of Alpine. It is recommended that property owners have structure tested for radon levels.
- (p) **Architectural Guidelines:**
 - (1) While the color of buildings is a subjective consideration, the Town of Alpine prefers the use of building colors, e.g., earth tones, which are complementary to the surrounding neighborhood environment.
 - (2) While the town does not restrict the use of any exterior material, the Town of Alpine prefers the use of exterior materials that reflect the regional, local, and immediate context of the natural environment.
 - (3) Review of proposed exterior materials and colors shall consider the positive and negative impacts on the surrounding buildings and natural environment.
 - (4) In order to maintain a consistent architectural character, any attached building or garage shall use similar building materials, design, and colors so that the accessory building blends with the general appearance of the primary dwelling.
 - (5) Any attached structures shall not be greater than thirty-three (33) percent taller than the primary roof structure; up to the maximum allowable height.
 - (6) Adjustments may be considered for sloped or irregular lots.

Section 4-504. Multi-Unit Residential Buildings

- (a) **Applicability:**
 - (1) The design standards outlined in Section 4-504 shall apply to townhomes, multi-unit residential apartment buildings, multi-unit residential condominium buildings, or a complex of multi-unit residential buildings. These design standards shall supersede any standards that may conflict with the most recent version of the International Building Code or International Residential Code that have been adopted by the Town of Alpine (see Article 4.2 Building Codes).
 - (2) Architectural guidelines outlined in Section 4-504(o) are recommended design criteria that are preferred by the Town of Alpine, but not a requirement of the Alpine Land Use and Development Code.
- (b) **Floor Area:** Floor area shall be measured from the foundation walls, no portion of concrete, posts and/or piers shall be allowed in the established setback area.
- (c) **Building Eave Projections/Overhangs:** Shall not extend more than three (3) feet into the setback area.
- (d) **Garages:** Garages shall be detached from, or attached to, the primary residential structure.