

2021 Virginia Construction Code

APPENDIX H SIGNS

SECTION H105 DESIGN AND CONSTRUCTION

H105.1 General requirements.

Signs shall be designed and constructed to comply with the provisions of this code for use of materials~~loads~~ and stresses.

H105.2 Permits, drawings and specifications.

Where a permit is required, as provided in [Chapter 1](#), construction documents shall be required. These documents shall show the dimensions, material and required details of construction, including *loads*, stresses and anchors.

H105.3 Wind load.

Signs shall be designed and constructed to withstand wind pressure as provided for in [Chapter 16](#).

H105.4 Seismic load.

Signs designed to withstand wind pressures shall be considered capable of withstanding earthquake~~loads~~, except as provided for in [Chapter 16](#).

H105.5 Working stresses.

In outdoor advertising display signs, the allowable working stresses shall conform to the requirements of [Chapter 16](#). The working stresses of wire rope and its fastenings shall not exceed 25 percent of the ultimate strength of the rope or fasteners.

Exceptions:

1. The allowable working stresses for steel and wood shall be in accordance with the provisions of [Chapters 22](#) and [23](#).
2. The working strength of chains, cables, guys or steel rods shall not exceed one-fifth of the ultimate strength of such chains, cables, guys or steel.

H105.6 Attachment.

Signs attached to masonry, concrete or steel shall be safely and securely fastened by means of metal anchors, bolts or approved expansion screws of sufficient size and anchorage to safely support the *loads* applied.