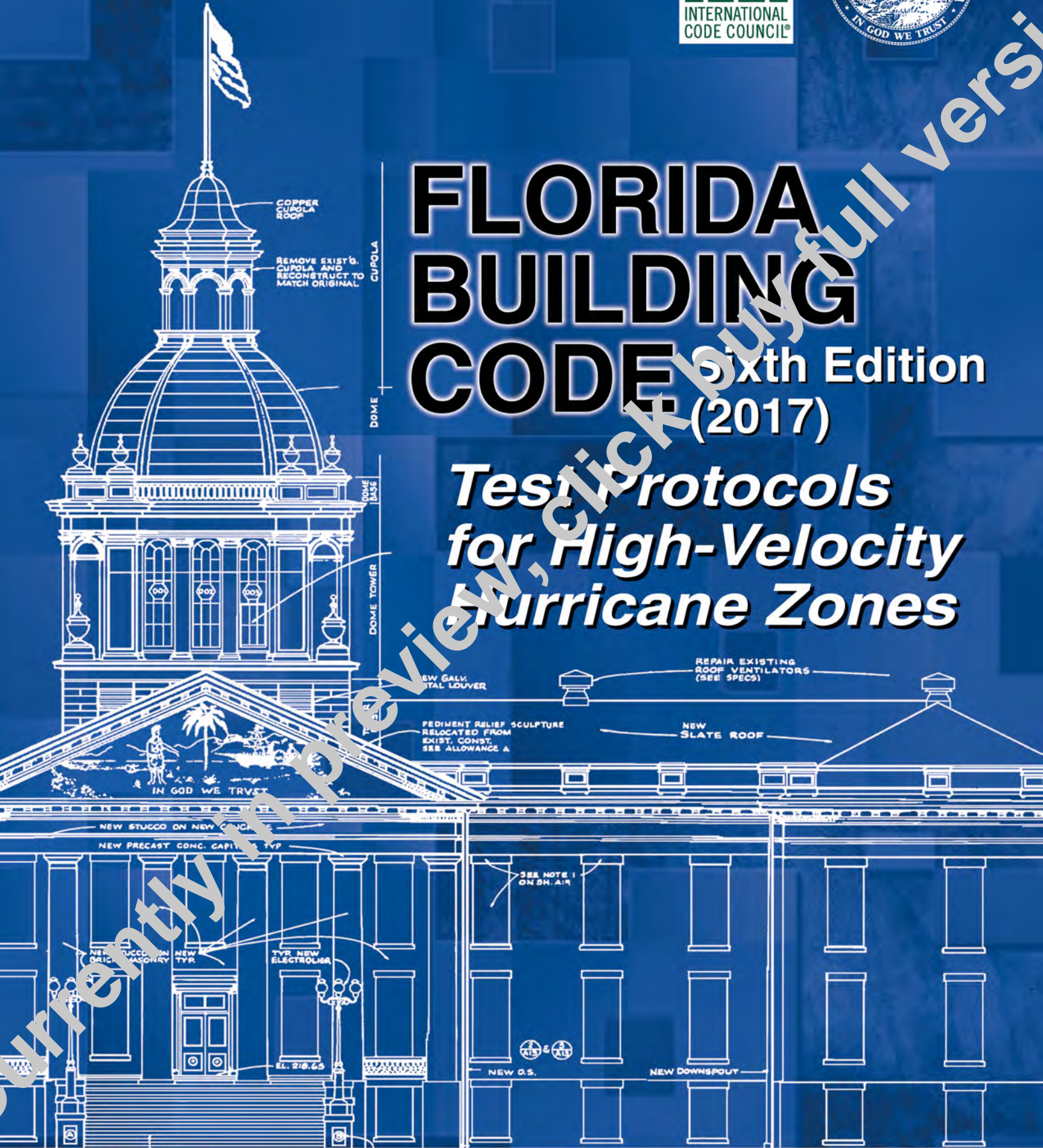




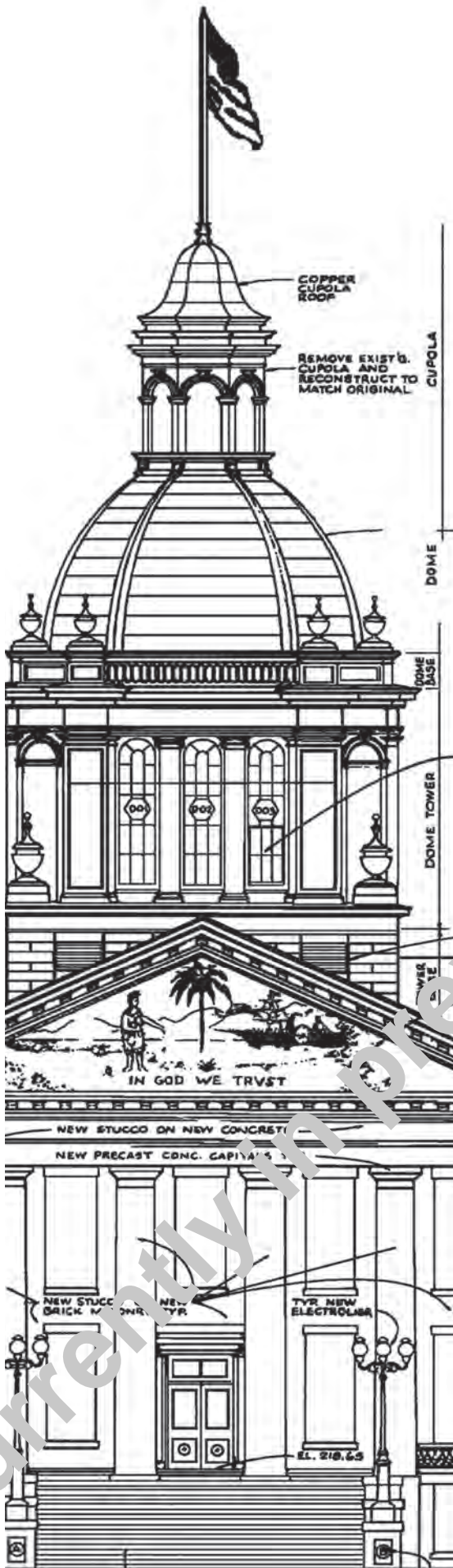
# FLORIDA BUILDING CODE

Sixth Edition (2017)

## Test Protocols for High-Velocity Hurricane Zones



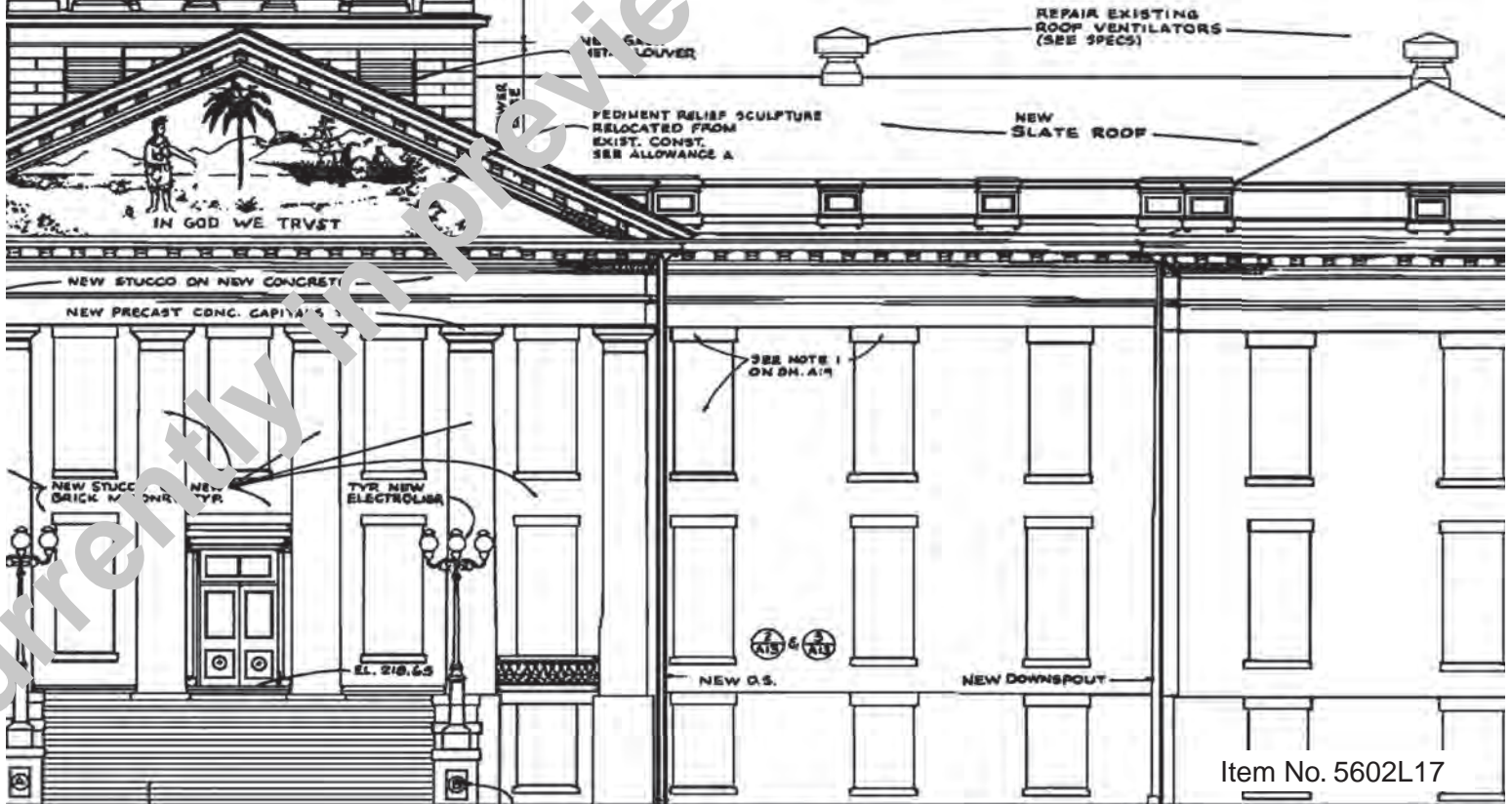
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## *Test Protocols for High-Velocity Hurricane Zones*



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# PREFACE

## History

The State of Florida first mandated statewide building codes during the 1970s at the beginning of the modern construction boom. The first law required all municipalities and counties to adopt and enforce one of the four state-recognized model codes known as the “state minimum building codes.” During the early 1990s a series of natural disasters, together with the increasing complexity of building or construction regulation in vastly changed markets, led to a comprehensive review of the state building code system. The study revealed that building code adoption and enforcement was inconsistent throughout the state and those local codes thought to be the strongest proved inadequate when tested by major hurricane events. The consequences of the building codes system failure were devastation to lives and economies and a statewide property insurance crisis. The response was a reform of the state building construction regulatory system that placed emphasis on uniformity and accountability.

The 1998 Florida Legislature amended Chapter 553, *Florida Statutes* (FS), Building Construction Standards, to create a single state building code that is enforced by local governments. As of March 1, 2002, the *Florida Building Code*, which is developed and maintained by the Florida Building Commission, supersedes all local building codes. The *Florida Building Code* is updated every three years and may be amended annually to incorporate interpretations and clarifications.

## Scope

The *Florida Building Code* is based on national model building codes and national consensus standards, which are amended where necessary for Florida’s specific needs. The code incorporates all building construction-related regulations for public and private buildings in the State of Florida other than those specifically exempted by Section 553.7, *Florida Statutes*. It has been harmonized with the *Florida Fire Prevention Code*, which is developed and maintained by the Department of Financial Services, Office of the State Fire Marshal, to establish unified and consistent standards.

The base codes for the *Florida Building Code*, 6th Edition (2017) include: the 2015 editions of the *International Building Code*®; the *International Plumbing Code*®; the *International Mechanical Code*®; the *International Fuel Gas Code*®; the *International Residential Code*®; the *International Existing Building Code*®; the *International Energy Conservation Code*®; the *National Electrical Code*, 2014 edition; or substantive criteria from ASHRAE Standard 90.1-2013. State and local codes adopted and incorporated into the code include the *Florida Building Code, Accessibility*, and special hurricane protection standards for the High-Velocity Hurricane Zone.

The code is composed of nine main volumes: the *Florida Building Code, Building*, which also includes state regulations for licensed facilities; the *Florida Building Code, Plumbing*; the *Florida Building Code, Mechanical*; the *Florida Building Code, Fuel Gas*; the *Florida Building Code, Existing Building*; the *Florida Building Code, Residential*; the *Florida Building Code, Energy Conservation*; the *Florida Building Code, Accessibility* and the *Florida Building Code, Test Protocols for High-Velocity Hurricane Zones*. Chapter 27 of the *Florida Building Code, Building*, adopts the *National Electrical Code*, NFPA 70, by reference.

Under certain strictly defined conditions, local governments may amend requirements to be more stringent than the code. All local amendments to the *Florida Building Code* must be adopted by local ordinance and reported to the Florida Building Commission then posted on [www.floridabuilding.org](http://www.floridabuilding.org) in Legislative format for a month before being enforced. Local amendments to the *Florida Building Code* and the *Florida Fire Prevention Code* may be obtained from the Florida Building Commission web site, or from the Florida Department of Business and Professional Regulation or the Florida Department of Financial Services, Office of the State Fire Marshal, respectively.

## Adoption and Maintenance

The *Florida Building Code* is adopted and updated with new editions triennially by the Florida Building Commission. It is amended annually to incorporate interpretations, clarifications and to update standards. Minimum requirements for permitting, plans review and inspections are established by the code, and local jurisdictions may adopt additional administrative requirements that are more stringent. Local technical amendments are subject to strict criteria established by Section 553.73, *FS*. They are subject to Commission review and adoption into the code or repeal when the code is updated triennially and are subject to appeal to the Commission according to the procedures established by Section 553.73, *FS*.

Eleven Technical Advisory Committees (TACs), which are constituted consistent with American National Standards Institute (ANSI) Guidelines, review proposed code changes and clarifications of the code and make recommendations to the Commission. These TACs whose membership is constituted consistent with American National Standards Institute (ANSI) Guidelines include: Accessibility; Joint Building Fire (a joint committee of the Commission and the State Fire Marshal); Plumbing Structural; Code Administration/Enforcement; Electrical; Energy; Mechanical; Plumbing and Fuel Gas; Roofing; Swimming Pool; and Special Occupancy (state agency construction and facility licensing regulations).

The Commission may only issue official code clarifications using procedures of Chapter 120, *Florida Statutes*. To obtain such a clarification, a request for a Declaratory Statement (DEC) must be made to the Florida Building Commission in a manner that establishes a clear set of facts and circumstances and identifies the section of the code in question. Requests are analyzed and staff reviewed by the appropriate Technical Advisory Committee, and sent to the Florida Building Commission for action. These interpretations establish precedents for situations having similar facts and circumstances and are typically incorporated into the code in the next code amendment cycle. Non-binding opinions are available from the Building Officials Association of Florida's website ([www.BOAF.net](http://www.BOAF.net)) and a Binding Opinion process is available online at [www.floridabuilding.org](http://www.floridabuilding.org).

## Marginal Markings

Dotted vertical lines in the margins within the body of the *Florida Test Protocols for High-Velocity Hurricane Zones*, 6th Edition (2017) indicate a change from the requirements of the *Florida Test Protocols for High-Velocity Hurricane Zones*, 5th Edition (2014) to the *Florida Test Protocols for High-Velocity Hurricane Zones*, 6th Edition (2017), effective December 31, 2017.

Sections deleted from the base code are designated "Reserved".

## Acknowledgments

The *Florida Building Code* is produced through the efforts and contributions of building designers, contractors, product manufacturers, regulators and other interested parties who participate in the Florida Building Commission's consensus processes, Commission staff and the participants in the national model code development processes.

## TABLE OF CONTENTS

RAS No. 109	.....(RAS) 109.1	TAS 100-95	Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems .....(TAS) 100-95.1
RAS No. 109-A	.....(RAS) 109-A.1		
RAS No. 111	Standard Requirements for Attachment of Perimeter Woodblocking and Metal Flashing .....(RAS) 111.1	TAS 100(A)-95	Test Procedure for Wind and Wind Driven Rain Resistance and/or Increased Windspeed Resistance of Soffit Ventilation Strip and Continuous or Intermittent Ventilation System Installed at the Ridge Area .....(TAS) 100(A)-95.1
RAS No. 113	Standard Requirements for Job Site Mixing of Roof Tile Mortar .....(RAS) 113.1		
RAS No. 115	Standard Procedures for Asphalt Shingle Installation .....(RAS) 115.1	TAS 101-95	Test Procedure for Static Uplift Resistance of Mortar or Adhesive Set Tile Systems .....(TAS) 101-95.1
RAS No. 117	Standard Requirements for Bonding or Mechanical Attachment of Insulation Panels and Mechanical Attachment of Anchor and/or Base Sheets to Substrates .....(RAS) 117.1	TAS 102-95	Test Procedure for Static Uplift Resistance of Mechanically Attached, Rigid Roof Systems .....(TAS) 102-95.1
RAS No. 118	Installation of Mechanically Fastened Roof Tile Systems: Direct Deck & Counter Battens Only .....(RAS) 118.1	TAS 102(A)-95	Test Procedure for Static Uplift Resistance of Mechanically Attached, Clipped, Rigid Roof Systems .....(TAS) 102(A)-95.1
RAS No. 119	Installation of Mechanically Fastened Roof Tile Systems: Direct Deck & Horizontal Battens Only .....(RAS) 119.1	TAS 103-95	Test Procedure for Self-adhered Underlayments for Use in Discontinuous Roof Systems .....(TAS) 103-95.1
RAS No. 120	Mortar and Adhesive Set Tile Application .....(RAS) 120.1	TAS 104-95	Test Procedure for Nail-on Underlayment for Use in Discontinuous Roof Systems .....(TAS) 104-95.1
RAS No. 127	Procedure for Determining the Moment of Resistance and Minimum Characteristic Resistance Load to Install a Tile System on a Building of a Specific Roof Slope and Height .....(RAS) 127.1	TAS 105-11	Test Procedure for Field Withdrawal Resistance Testing .....(TAS) 105-11.1
RAS No. 128	Standard Procedure for Determining Applicable Wind Design Pressures for Low Slope Roof .....(RAS) 128.1	TAS 106	Standard Procedure for Field Verification of the Bonding of Mortar or Adhesive Set Tile Systems and Mechanically Attached, Rigid, Discontinuous Roof Systems .....(TAS) 106.1
RAS No. 130	Installation Criteria for Roof Shingles and Shakes Application .....(RAS) 130.1	TAS 107-95	Test Procedure for Wind Resistance Testing of Non-rigid, Discontinuous Roof System Assemblies .....(TAS) 107-95.1
RAS No. 133	Standard Procedure for Installation of Metal Roof Systems .....(RAS) 133.1	TAS 108-95	Test Procedure for Wind Tunnel Testing of Air Permeable, Rigid, Discontinuous Roof Systems .....(TAS) 108-95.1
RAS No. 137	Standard Requirements for Mechanical Attachment of Single-ply Roof Coverings to Various Substrates .....(RAS) 137.1	TAS 110-2000	Testing Requirements for Physical Properties of Roof Membranes, Insulation, Coatings and Other Roofing Components .....(TAS) 110-00.1
RAS No. 150	Prescriptive BUR Requirements .....(RAS) 150.1		

TAS 111(A)-95	Test Procedure for Roof Edge Termination Performance . . . . .(TAS) 111(A)-95.1	TAS 131-95	Standard Requirements for Thermoplastic Olefin Elastomer Based Sheet Used in Single-ply Roof Membrane . . . . . (TAS) 131-95.1
TAS 111(B)-95	Test Procedure for Edge Metal Pull-off Performance . . . . .(TAS) 111(B)-95.1	TAS 132-95	Standard Requirements for Testing and Approval of Sealants Used in Roofing . . . . .(TAS) 132-95.1
TAS 111(C)-95	Test Procedure for Coping Cap Pull-off Performance . . . . .(TAS) 111(C)-95.1	TAS 135-95	Standard Requirements for Fiberglass Reinforced Tile, Shingles or Panels and Fiber Cement Shingles, Shakes or Panels . . . . .(TAS) 135-95.1
TAS 112-95	Standard Requirements for Concrete Roof Tiles . . . . .(TAS) 112-95.1	TAS 138-95	Standard Requirements for Aluminum Pigmented Emulsified Asphalt Used as a Protective Coating for Roofing . . . . .(TAS) 138-95.1
TAS 114-11	Test Procedures for Roofing Assemblies in the High-velocity Hurricane Zone Jurisdiction . . . . . (TAS) 114-11.1	TAS 139-95	Standard Requirements for White Roof Patch Application . . . . . (TAS) 139-95.1
TAS 116-95	Test Procedure for Air Permeability Testing of Rigid, Discontinuous Roof Systems . . . . . (TAS) 116-95.1	TAS 140-95	Standard Requirements for Nonfibered Roof and Foundation Coatings . . . . . (TAS) 140-95.1
TAS 117(A)-95	Test Procedure for Withdrawal Resistance Testing of Mechanical Fasteners Used in Roof System Assemblies . . . . .(TAS) 117 (A)-95.1	TAS 141-95	Standard Requirements for Coal Tar (Cut-back) Roof Coating, Brushing Consistency . . . . . (TAS) 141-95.1
TAS 117(B)-95	Test Procedure for Dynamic Pull-through Performance of Roofing Membranes over Fastener Heads or Fasteners with Metal Bearing Plates . . . . . (TAS) 117(B)-95.1	TAS 142-95	Standard Requirements for Coal Tar Roof Cement, Asbestos Free . . . . .(TAS) 142-95.1
TAS 117(C)-95	Test Procedure for Dynamic Pull-off Performance of Roofing Fastener Heads or Fasteners with Bearing Plates . . . . . (TAS) 117(C)-95.1	TAS 143-95	Standard Requirements for White Elastomeric Roof Coatings Used for Coating Built Up Roofs and Metal Roofing Systems . . . . . (TAS) 143-95.1
TAS 121-95	Standard Requirements for Testing and Approval of Roofing Adhesives, Mastics and Coatings . . . . . (TAS) 121-95.1	TAS 201-94	Impact Test Procedures . . . . . (TAS) 201-94.1
TAS 123-95	Standard Requirements for Mortar Used in Mortar Set Tile Systems . . . . .(TAS) 123-95.1	TAS 202-94	Criteria for Testing Impact & Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure . . . . .(TAS) 202-94.1
TAS 124-11	Test Procedure for Field Uplift Resistance of Existing Membrane Roof Systems and In Situ Testing for Reroof and New Construction Applications . . . . . (TAS) 124-11.1	TAS 203-94	Criteria for Testing Products Subject to Cyclic Wind Pressure Loading . . . . .(TAS) 203-94.1
TAS 125-03	Standard Requirements for Metal Roofing Systems . . . . . (TAS) 125-03.1	TAS 301-94	Testing Laboratory . . . . . (TAS) 301-94.1
TAS 126-95	Standard Procedures for Roof Moisture Surveys . . . . . (TAS) 126-95.1		