

# NAAWS 3.1

VS

# AWS - 2

The

# Changes



# Changes and updates

## Including NAAWS 3.0 and all of its Errata

### General Changes, NAAWS:

- Is based NAAWS 3.0, which was based on AWS 2, including errata for both
- Includes, as appropriate, all AWS 2 suggestions that were deferred to future editions
- Is intended for digital use and includes extensive interactive features
  - Print editions are offered with page tabs and blank alignment pages, however,
    - Page numbering is matched to the digital edition, and
    - All interactive feature controls, being non-functional, are removed
- Adds colorization throughout
- Uses a green shaded header at all compliance requirement pages, and
  - A non-shaded header at all non-compliance requirement pages
- Effective date has been removed from all non-compliance requirement pages
- Adds Page Navigation hot-links buttons for forward, back and previous page movements and jumps to the Sections home page (with its own Content Guide) or the primary Content Guide.
- Adds individual Grade highlighting control buttons within applicable Compliance Requirement Rules tables.
- Adds AWMAC and WI promotional information within the Introductory Information pages of each Section
- Replaces the AWS Design Ideas with a web based DESIGN RESOURCES, including an updated DR icon, URL hotlinks and listing of applicable inclusions in each Section
- Replaces the AWS Table of Contents with an interactive CONTENT GUIDE and
  - The Index with NAAWS's extensive digital search capabilities.
- Adds red text and a new "!" icon to important notices and warnings
- Adds an extensive listing of interactive URL's
- Adds AWMAC and WI Resource Pages at each Section
- Adds AWMAC and WI Quality Control Options within "Specification Considerations"
- Adds interactive Section Guide to the first page of each Section

### Intro:

- Adds "Sponsors Statement" with text about Annexes, Seismic Casework Install, and Laboratory Casework, etc.
- Adds Limited Use License of NAAWS
- Adds Design Professional Tools page
- Adds hot-linked Content Guide
- Adds Component Standards Listing page
- Expands Sponsor Associations pages

### Users Guide:

- Adds Navigation Buttons explanation
- Adds Grade Highlighting explanation
- Updated generally

## **Preface:**

- Updated “HPDL Countertop Assembly Type” wording

## **Section 1:**

- At “Compliance Requirements”, added:
  - Added at Item 1.4.4.5.1 - Reference to Exposed Interior surface
  - Added at Item 1.4.4.5.1.4 - Reclaimed and Recycled Wood
  - Added at Item 1.4.4.5.1.5 - Nontraditional Material
  - Added at Item 1.4.4.5.1.7, 9 and 12 - Antimicrobial Requirements
  - Added at Item 1.4.5.5.1.2 – Exposed Interior Materials
  - Added at Item 1.4.5.5.2.3.10 - Laboratory Casework
  - Added at Item 1.4.5.5.2.3.12 - Seismic Casework Installation

## **Section 2:**

- At “Introductory Information” general reorganization and:
  - Added Specification Considerations for Non-Complaint Environmental Conditions
  - Updated Relative Humidity and Moisture Content to address large shifts in short time periods
  - Added Reclaimed and Recycled Wood
- At “Compliance Requirements”:
  - Updated Item 2.4.4.3.5.1.1 – Area coverage

## **Section 3:**

- At “Introductory Information”, general reorganization and addition of:
  - Text about veneer lumber
  - Reclaimed and Recycled Wood
  - Nontraditional Materials
  - Pictures of the listed wood species
  - Design Resources
- At “Compliance Requirements”:
  - Updated Item 3.4.4.10 – Gluing
  - Updated Item 3.4.6.9 - Format

## **Section 4:**

- At “Introductory Information”, general reorganization and addition of:
  - At “Lamination of Existing Overlays” New peel and stick products
  - Antimicrobial Surfaces
  - Nontraditional Materials
  - Reclaimed and Recycled Wood
  - Design Resources
- At “Compliance Requirements”:
  - Updated Items 4.4.13 & 14 - MR Board
  - Updated Items 4.4.4.6.4- 8 - Panel Layup

## **Section 5:**

- At “Introductory Information”, general reorganization and addition of:
  - Antimicrobial Surfaces
  - Design Resources
- At “Compliance Requirements”:
  - Added Item 5.4.4.4.1 – Overall Appearance
  - Added Item 5.4.4.12 – Antimicrobial Surfaces
  - Updated Item 5.4.5.1
  - Updated Item 5.4.6.14.3
  - Eliminated AWS Item 5.4.6.14.3.7

## **Section 6:**

- At “Introductory Information”, general reorganization and addition of:
  - Quality Assurance Options in Specification Considerations
  - Text from AWS 2’s Design Ideas to “Ornamental Woodwork”
  - Reclaimed and Recycled Wood
  - Nontraditional Materials
  - Design Resources
- At “Compliance Requirements”:
  - Updated Item 6.1.4.1+ – Aesthetic Compliance
  - Added Item 6.1.4.2 - Reclaimed or Recycled Wood
  - Added Item 6.1.4.3 - Non-Traditional Material
  - Updated Item 6.2.2.3 – Typical Inclusions
  - Updated Item 6.2.3.5 – Typical Exclusions
  - Updated Items 6.4.4.15+ - Gluing or Lamination
  - Updated Item 6.4.4.16 – Cutouts
  - Removed, under GLASS, AWS Item 6.4.5.16.3.
  - Updated Item 6.4.5.8.4.10.2 to be sub-servant to Item 6.4.5.8.4.10.1
  - Updated Item 6.4.7.15.3.8 to reference Section 12
  - Removed AWS Items: 6.4.7.15.3.8.1 & 2
  - Updated Item 6.6.4.3 – Repairs
  - Updated Item 6.6.4.4 – Installer Fabrications or Modifications
  - Updated Item 6.6.4.11.2 – Equipment Cutouts
  - General reorganization of TEST, Basic Considerations

## **Section 7:**

- At “Introductory Information”, general reorganization and addition of:
  - Quality Assurance Options in Specification Considerations
  - Reclaimed and Recycled Wood
  - Nontraditional Materials
  - Design Resources

## **Section 7 (continued):**

- At “Compliance Requirements”:
  - Updated Item 7.1.4.1+ – Aesthetic Compliance
  - Added Item 7.1.4.2 - Reclaimed or Recycled Wood
  - Added Item 7.1.4.3 - Non-Traditional Material
  - Updated Item 7.4.4.17+ – Gluing or Lamination
  - Updated Item 7.4.4.18 – Cutouts
  - Updated Item 7.4.5.5 – Closed Stringers
  - Updated Item 7.6.4.3 – Installer Fabrications or Modifications
  - General reorganization of TEST, Basic Considerations

## **Section 8:**

- At “Introductory Information”, general reorganization and addition of:
  - Quality Assurance Options in Specification Considerations
  - Antimicrobial Surfaces
  - Nontraditional Materials
  - Reclaimed and Recycled Wood
  - Design Resources
- At “Compliance Requirements”:
  - Updated Item 8.1.4.1+ – Aesthetic Compliance
  - Added Item 8.1.4.2 - Reclaimed or Recycled Wood
  - Added Item 8.1.4.3 - Non-Traditional Material
  - Updated Item 8.1.7 – Solid Surface
  - Updated Item 8.1.8 – Solid Phenolic
  - Updated Item 8.1.10 – Continuous Pressure Laminates
  - Updated Item 8.2.2.1 – Typical Inclusions
  - Updated Item 8.2.3.4 – Typical Exclusions
  - Updated Item 8.4.4.14+ – Gluing or Lamination
  - Updated Item 8.4.4.15 – Cutouts
  - Added Item 8.4.4.18 – Antimicrobial Surfaces
  - Added Annex 8-A for Wood
    - Added Item 8.4.5.A.1.4.1.2+ - Between Adjacent Panels
  - Added Annex 8-B for Decorative Laminate
    - Added Item 8.4.5.B.4+ – If Flame Spread Rated
    - Added Item 8.4.5.B.7.2+ - If Flame Spread Rated
  - Added Annex 8-C for Solid Surface
  - Updated Item 8.6.4.4 – Installer Fabrications or Modifications
  - Updated Item 8.6.4.19.2 – Equipment Cutouts
  - Added Item 8.6.5.5.6.2 – Concealed Fastening
  - General reorganization of TEST, Basic Considerations

## **Section 9:**

- At “Introductory Information”, general reorganization and addition of:
  - Quality Assurance Options in Specification Considerations
  - Update of Construction Details, Blocking Options
  - Antimicrobial Surfaces
  - Nontraditional Materials
  - Reclaimed and Recycled Wood
  - Design resources
- At “Compliance Requirements”:
  - Updated Item 9.1.4.1+ – Aesthetic Compliance
  - Added Item 9.1.4.2 - Reclaimed or Recycled Wood
  - Added Item 9.1.4.3 - Non-Traditional Material
  - Update of Item 9.4.4.2.
  - Updated Item 9.4.4.8+ – Gluing or Lamination
  - Updated Item 9.4.4.21 – Cutouts
  - Updated Item 9.4.4.23.1 – Factory Finished
  - Added Item 9.4.4.24 – Antimicrobial Surfaces
  - Updated Item 9.4.6.9.2.2+ - Hollow Core
  - Updated Item 9.4.6.9.5.2+ - Dutch Doors, Transparent finish
  - Updated Item 9.4.6.10.6.3+ - Stile & Rail, Panels, Grain
  - Updated Item 9.6.10 – Installer Fabrications or Modifications
  - Added Item 9.6.4.12.3 – Fitting
  - Updated Item 9.6.4.16+ – Equipment Cutouts
  - General reorganization of TEST, Basic Considerations

## **Section 10:**

- At “Introductory Information”, general reorganization and:
  - Added Quality Assurance Options in Specification Considerations
  - Updated Surface Terminology Illustration
  - Added Casework Dimension Range illustrations and reformatted text
  - Updated Surface Terminologies
  - Added Antimicrobial surface products
  - Added Nontraditional Materials Added Reclaimed and Recycled Wood
  - Added Design resources
- At “Compliance Requirements”:
  - Updated Item 10.1.4.1+ – Aesthetic Compliance
  - Added Item 10.1.4.2 - Reclaimed or Recycled Wood
  - Added Item 10.1.4.3 - Non-Traditional Material
  - Added Items 10.4.4.8.2.1 & 1.1 – Hardware, Furnished and Installed
  - Updated Item 10.4.4.8.1.4 – Hinge swing
  - Added Item 10.4.4.8.6.4 – Digital Locks
  - Added 10.4.4.8.7.2 – Drawer Slides
  - Added Item 10.4.4.9+ - Cabinet Lighting
  - Updated Item 10.4.4.17 – Gluing and Laminating
  - Removed Adhesive Heat Test requirement
  - Updated Item 10.4.4.19 – Cut Outs

## **Section 10** (continued):

- At “Compliance Requirements” (continued):
  - Added Item 10.4.4.22 - Antimicrobial Surfaces
  - Added Item 10.4.7.8.4.1 & 2 – Maximum single Cabinet Door Size
  - Added Item 10.4.7.7.8.1 – Stop Silencers
  - Updated Item 10.4.7.8.8.2.1 – Locks
  - Updated Item 10.4.7.8.10.3.1 – Locking Pairs
  - Updated Item 10.4.7.10.6.2 – Ends and Divisions
  - Removed Item 10.4.7.10.5.2 – Ends and Divisions
  - Updated Item 10.4.7.14.5 – Backs, Illustration for clarification
  - Added Item 10.4.7.16.7.1 – Toe Bases, Kicks and Sleepers
  - Added Item 10.4.7.16.9.1.8 – Maximum allowable Adjustable Shelf length, Yellow Poplar
  - Added Item 10.4.7.16.9.1.8 – Maximum allowable Adjustable Shelf length, Generic Thin Ply
  - Added Item 10.4.7.16.9.1.8 – Maximum allowable Adjustable Shelf length, Solid Phenolic
  - Added Item 10.4.7.16.9.1.8 – Maximum allowable Adjustable Shelf length, Glass
  - Updated Item 10.4.7.17.5 – Shelves
  - Added Item 10.4.7.17.9.5.2 – Metal Shelf Standards
  - Added Note at Item 10.4.7.17.10.1.6 – Acceptable Core materials
  - Added Item 10.4.7.22.3.1.7 – Dowel link Joinery
  - Added Item 10.4.7.22.3.1.8 – Twin dowel Insertion Clip/Spring Pin Joinery
  - Added Item 10.4.7.22.3.1.7 – Retention Carriage Joinery
  - Updated Item 10.4.,7.24 – Closure
  - Updated Item 10.4.7.25.3+ - Clearances and Tolerances
  - Added Annex 10-A for Wood
    - Updated Item 10.4.5A.1.1+ - Exposed Exterior, Transparent Finish
    - Updated Item 10.4.5A.2.4+ - Exposed Exterior, Opaque Finish
    - Updated Item 10.4.5.A.3.4.3.1.2 to be for “C” and “P”
    - Removed Item 10.4.5.B.3.2.3.1.3
  - Added Annex 10-B for Decorative Laminate
    - Updated Item 10.4.5.B.3.2.3.1.2 to be for “C” and “P”
    - Removed Item 10.4.5.B.3.2.3.1.3
  - Added Annex 10-C for Solid Phenolic
  - Added Annex 10-D for Laboratory Casework
  - Added Annex 10-E for Seismic Casework Installation
  - Updated Item 10.6.4.4 – Installer Fabrication or Modifications
  - Added Item 10.6.4.11.3 – Closure
  - Updated Item 10.6.4.13.4.2 and 3 - Anchorage Fasteners
  - Added Item 10.6.4.13.6.1.1 – Bases or Toes
  - Updated Item 10.6.4.18.2 – Equipment Cutouts
  - General reorganization of TEST, Basic Considerations
  - Removed Adhesive Heat Test requirement

## **Section 11:**

- At “Introductory Information”, general reorganization and:
  - Added Quality Assurance Options in Specification Considerations
  - Updated HPDL countertop Back and End Splash ASSEMBLY TYPES with United States Restriction
  - Added Antimicrobial Surfaces
  - Added Reclaimed and Recycled Wood
  - Added Nontraditional Materials
  - Added Design Resources
- At “Compliance Requirements”:
  - Updated Item 11.1.4.1+ – Aesthetic Compliance
  - Added Item 11.1.4.2 - Reclaimed or Recycled Wood
  - Added Item 11.1.4.3 - Non-Traditional Material
  - Updated Item 11.2.1.1 – Default Stipulation, HPDL Countertops **Should be 11.3.1.1**
  - Updated Item 11.4.4.11+ – Gluing or Lamination
  - Added Item 11.4.4.12+ – Antimicrobial Surfaces
  - Updated Item 11.4.7.13+ - Edge Overhang
  - Added Item 11.4.7.14+ - Unsupported Spans and Cantilevered countertops
  - Updated Item 11.4.7.15 – Exposed Edges
  - Added Annex 11A for Wood
    - Added Item 11.7.7.A.5 – Finished Ends **Should be 11.4.7.A.5**
  - Added Annex 11B for Decorative Laminate
    - Updated Item 11.4.5.B.2.1.3 - Core
    - Updated Item 11.4.7.B.8 – Assembly 1
    - Updated Item 11.4.7.B.9 – Assembly 2
    - Removed Adhesive Heat Test requirement
  - Added Annex 11C for Solid Surface
    - Added Item 11.4.6.C.5 - Cutouts
  - Added Annex 11D for Solid Phenolic
  - Added Annex 11E for Epoxy
  - Added Annex 11F for Natural or Manufactured Stone
  - Updated Item 11.6.4.5 – Installer Fabrications or Modifications
  - Updated Item 11.6.4.11+ - Equipment Cutouts
  - Updated Item 11.6.4.13 – Edge Overhang
  - Added Item 11.6.4.14+ - Unsupported Spans and Cantilevered countertops
  - Updated Item 11.6.4.24.3 – Assembly 1
  - Updated Item 11.6.4.24.4 – Assembly 2
  - Added Item 11.6.4.26.4+ - Backs and End Splashes
  - General reorganization of TEST, Basic Considerations

## **Appendix:**

- Updated Adhesive Guidelines
- Removed Adhesive Heat Test
- Added “peel and stick laminate” at Refinishing / Refacing / Refurbishing
- Added CDS illustrations



**Glossary:**

- Added many new definitions and illustrations for improved clarity.
- Added URL's as may be applicable
- Removed Adhesive Heat Test