Approval of an American National Standard requires verification by the American National Standards Institute (ANSI) that the requirements for due process, consensus, and other criteria for approval have been met by the standards developer. An American National Standard implies a consensus of those substantially concerned with its scope and provisions.

Consensus is established when, in the judgment of the ANSI Board of Standards Review, substantial agreement has been reached by directly and materially affected interests. Substantial agreement means much more than a simple majority, but not necessarily unanimity. Consensus requires that all views and objections be considered and that a concerted effort be made toward their resolution.

The existence of an American National Standard does not in any respect preclude anyone, whether they have approved the standard or not, from manufacturing, marketing, purchasing, or using products, processes, or procedures not conforming to the standards.

ANSI does not develop standards and will in no circumstances give an interpretation of any American National Standard. Moreover, no person shall have the right or authority to issue an interpretation of an American National Standard in the name of ANSI. Requests for interpretations should be addressed to the secretariat or sponsor whose name appears on the title page of this standard.

CAUTION NOTICE: This American National Standard may be revised or withdrawn at any time. The procedures of ANSI require that action be taken periodically to reaffirm, revise, or withdraw this standard. Purchasers of American National Standards can receive current information on all standards by calling or writing ANSI.

NOTICE ON FORMAT AND STYLE: The format and style of this document differs from ANSI style as specified by the ANSI Style Manual for Preparation of Proposed American National Standards.
DISCLAIMER

The information provided by the Architectural Woodwork Institute ("AWI") in this document is intended solely for use by appropriately licensed and experienced professionals who have the necessary background to understand and interpret the information in accordance with generally accepted professional standards and regulations. AWI Standards provide the minimum criteria for the concept, design, fabrication, finishing, and installation of architectural woodwork. Provisions for mechanical and electrical safety are not included. References to life-safety requirements may be included but are not meant to be comprehensive. Improper application of the standards set forth herein may result in hazards to health and safety of installers, consumers, and others.

Wood products installed outside of climate controlled, interior environments are not governed by this standard.

Illustrations are intended to assist in understanding the standard and may not include all requirements for a specific product or unit, nor do they show the only method of fabrication. Such partial drawings shall not be used to justify improper or incomplete design and/or construction.

The Supplemental Materials are provided as an additional resource to the manufacturer, design professional, educator, user, or certifying organization.

This standard may include citations and quotes from other industry standards and guidelines that are neither developed nor published by AWI, which makes no representation as to the quality or efficacy of such other standards or guidelines.

AWI publishes the information provided in this document after undertaking reasonable inquiry regarding the subject matter. AWI publishes this standard in furtherance of its mission of benefiting the architectural woodwork industry. All or any portion of this standard may be revised or withdrawn at any time. AWI standards are voluntary. AWI is not responsible for any results of use of this standard or performance of products used or created in connection with this standard. AWI makes no representation or warranty regarding the technical accuracy or sufficiency of the standard; nor does AWI represent or warrant that the standard conforms to any statute or regulation. AWI hereby disclaims any warranty of any kind, express or implied, with respect to the information contained herein, including merchantability or fitness for a particular purpose.

AWI shall not be responsible to anyone for the use of or reliance upon this standard. AWI shall not incur any obligation nor liability for damages, including consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this standard, except for the refund of any amount paid to AWI for this document by the affected user.

Copyright © 2018 by Architectural Woodwork Institute—All rights reserved.

No part of this publication may be reprinted or reproduced in any form without the prior written consent of the Architectural Woodwork Institute.

Additional Information and updates for AWI Standards are posted at:

www.gotoawi.com/standards
# Table of Contents

1.0 Purpose .............................................................................................................1

2.0 Scope ..................................................................................................................2
   2.1 Included: ...........................................................................................................2
   2.2 Not Included: .................................................................................................2

3.0 Requirements ......................................................................................................3
   3.1 General .............................................................................................................3
      3.1.1 Measurements ..........................................................................................3
      3.1.2 Special Requirements ..............................................................................4
      3.1.3 Environmental Conditions .......................................................................4
   3.2 Material .............................................................................................................4

3.3 Structural ............................................................................................................4
   3.3.1 Casework .....................................................................................................4
   3.3.2 Wall and Ceiling Surfaces .........................................................................4
   3.3.3 Standing and Running Trim .......................................................................5
   3.3.4 Passage Doors (Within Integrated Door Systems) ....................................5
   3.3.5 Countertops ...............................................................................................6

3.4 Aesthetic .............................................................................................................7
   3.4.1 General Tolerances ....................................................................................8
   3.4.2 Casework ....................................................................................................9
   3.4.3 Wall and Ceiling Surfaces .......................................................................13
   3.4.4 Standing and Running Trim .....................................................................14
   3.4.5 Passage Doors (Within Integrated Door Systems) ..................................15
   3.4.6 Countertops .............................................................................................15

4.0 Figures / Illustrations .......................................................................................18
   Figure 5 - Compliance Testing Measurement .....................................................18
   Figure 6 - Gaps at Field Joints ...........................................................................18
   Figure 7 - Flushness of Field Joints ..................................................................19
   Figure 8 - Scribe Filler .......................................................................................19
   Figure 9 - Scribe Moulding ..............................................................................20
   Figure 10 - Scribe Allowance ..........................................................................20
   Figure 11 - Wall Mount Splash .......................................................................21
   Figure 12 - Countertop Mount Splash ...............................................................21
   Figure 13 - Panel Reveal ...................................................................................22
   Figure 14 - Panel Flushness .............................................................................22
   Figure 23 - Overlap ...........................................................................................23
   Figure 25 - Over-Filing / Over-Machining .........................................................23
   Figure 30 - Gaps and Flushness, Casework ......................................................24
   Figure 41 - Closure, Laminate .........................................................................25
   Figure 42 - Closure, Filler ...............................................................................25
   Figure 43 - Gaps, Reveal Overlay Frameless ....................................................26
5.0 Supplemental Information

5.1 Glossary
Foreword
(This foreword is not a part of American National Standard AWI 0620-2018 - Finish Carpentry/Installation)

The ANSI/AWI 0620 - Finish Carpentry/Installation Standard is intended to provide guidelines for the installation of architectural woodwork and related interior products.

This standard encompasses a variety of architectural woodwork applications, including wall and ceiling surfaces, architectural casework, standing and running trim, and passage doors. This standard establishes structural and aesthetic tolerances for each of the aforementioned applications, ensuring that the final product is of the utmost quality with regards to visual appeal and structural integrity.

This standard is intended for use by individuals and organizations from all aspects of the architectural woodwork industry, including architects, design professionals, manufacturer/suppliers, contractors, installers, and end users. Individuals within the architectural woodwork industry will use this standard to maintain a high degree of control over the aesthetic quality and the structural integrity of their work, ensuring that potential differentiations in the workmanship and implementation of architectural woodwork projects are made uniform.

The requirements contained within this standard are derived from AWI’s Architectural Woodwork Standards that the organization has been publishing in various formats since its inception in 1953. Each requirement has been thoroughly vetted by a committee of leading volunteer professionals in the architectural woodwork industry to ensure that the content is up-to-date and relevant to the current industry requirements.

Effective March 15, 2019, this standard succeeds, replaces, and supplants the Installation Sections of the Architectural Woodwork Standards, Ed. 2 (2014) as the most current version of the AWI Standard for Finish Carpentry/Installation.

Suggestions for the improvement of this standard will be welcome. Suggestions should be sent to:

Architectural Woodwork Institute
46179 Westlake Drive, Suite 120
Potomac Falls, VA 20165

AWI Standards Development
Philip Duvic, Executive Vice President
Ashley Goodin, Technical Director
Cheryl Dermyre, Technical Project Manager
Michael Murray, Technical Editor
Jairus Whitley, Graphic Designer
This standard was processed and approved for submittal to ANSI by Accredited Standards Committee on AWI 0620 Finish Carpentry/Installation. Committee approval of the standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, the AWI 0620 Finish Carpentry/Installation Committee had the following members:

<table>
<thead>
<tr>
<th>Organization Represented</th>
<th>Name of Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Woodwork Institute (AWI)</td>
<td>Ashley Goodin</td>
</tr>
<tr>
<td>AWI Quality Certification Corporation (QCC)</td>
<td>Greg Parham</td>
</tr>
<tr>
<td>Leonard Peterson &amp; Company, Inc.</td>
<td>Randy Jensen, Committee Chair</td>
</tr>
<tr>
<td>Madison Area Technical College</td>
<td>Patrick Molzahn</td>
</tr>
<tr>
<td>R&amp;M Group Architects</td>
<td>William Munyan</td>
</tr>
<tr>
<td>TMI Systems Corporation</td>
<td>Cory Bittner</td>
</tr>
</tbody>
</table>

The following organizations, recognized as having an interest in the standardization of Finish Carpentry/Installation, were contacted prior to the approval of this standard. Inclusion in this list does not necessarily imply that the organization concurred with the submittal of the proposed standard to ANSI.

<table>
<thead>
<tr>
<th>Organization Represented</th>
<th>Name of Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Madison Area Technical College</td>
<td>LG Hausys America, Inc.</td>
</tr>
<tr>
<td>Kitchen Cabinet Manufacturers Association</td>
<td>Elkwood Installation Services</td>
</tr>
<tr>
<td>Stairbuilders and Manufacturers Association</td>
<td>ISEC</td>
</tr>
<tr>
<td>AWI QCP</td>
<td>GT Architecture</td>
</tr>
<tr>
<td>Woodwork Institute</td>
<td>AECOM</td>
</tr>
<tr>
<td>CPA - Composite Panel Association</td>
<td>J. Peter Jordan</td>
</tr>
<tr>
<td>Hardwood Plywood &amp; Veneer Association</td>
<td>Diversified Educational Systems Inc. (DES)</td>
</tr>
<tr>
<td>TMI Systems Corporation</td>
<td>WDG Architecture</td>
</tr>
<tr>
<td>Holden &amp; Flynn Universal Contractor, Inc.</td>
<td>R&amp;M Group Architects</td>
</tr>
<tr>
<td>Pacific Cabinets Inc.</td>
<td>Avitru, LLC</td>
</tr>
<tr>
<td>Leonard Peterson &amp; Company, Inc.</td>
<td>HOK</td>
</tr>
<tr>
<td>Crown Custom Millwork</td>
<td></td>
</tr>
</tbody>
</table>

vii
1.0 Purpose

a) Provide standards and tolerances for the quality and fit of the field installation of Architectural Woodwork and related interior finishes (henceforth referred to as “Product”).
2.0 Scope

a) This standard addresses the installation of wood trim, paneling, casework, integrated door systems, countertops, and other related interior finishes.

2.1 Included:

a) Installation of Product as outlined throughout this standard, including labor, tools, equipment, adhesives, fasteners, common external blocking, furring, and hanging devices for the support and attachment of that Product.

2.2 Not Included:

a) Installation of Product items not specifically identified in itemized scope of work within the contract documents.

b) Providing and installing electrical related items, light fixtures, network cables, grommets and wire management systems, computer equipment, or mechanical equipment.

c) Correction of existing jobsite conditions that are required for the installation of the Product.

d) Structural components, grounds, blocking, strapping, support brackets, or any other element within wall partitions, above finished ceilings, or below finished floors.

e) All site-applied primers, stains, or other finish coatings for non-factory finished Product.

f) Filling nail or screw holes in unfinished or primed Product.

g) Caulking to fill voids between Product and pre-existing surfaces.
3.0 Requirements

3.1 General

a) The following requirements shall govern unless a project’s contract documents require otherwise.

b) Installer shall obtain, review, and comply with manufacturer/supplier’s documented instructions for installation. Product shall be securely attached. Contract documents regarding installation method(s) shall supersede manufacturer/supplier’s directive unless design professional’s approval to deviate is provided in writing.

c) Installer shall confirm the presence of wood blocking or metal strapping as indicated in contract documents. If not provided, installer shall seek written directives.

d) It is not the responsibility of the installer to scribe or fit to walls, ceilings, floors, or openings whose plumb, level, flat, straight, or square values exceed tolerances specified in contract documents.

e) The types of joinery used shall be consistent throughout the project.

f) Drywall and bugle head screws are not permitted for the installation of Product.


g) Installation shall comply with the Product’s aesthetic grade as specified in the contract documents.

h) Product shall be installed plumb and level within 3.2 mm [.125"] in 2438 mm [96”].

i) When factory-finished Product is cut or modified to facilitate installation, the resulting unfinished core shall be sealed prior to installation.

j) Tolerances listed for gaps and flushness apply to Product as installed.

k) Unless otherwise indicated within this standard, Product shall be installed free of open joints, visible machine marks, cross sanding, tear-outs, nicks, chips, scratches, and/or natural defects exceeding the quantity and/or size limits defined in the AWI 300 - Materials Standard.

l) Residual marks, including adhesive and filler residue on exposed or semi-exposed faces, shall be removed.

m) Areas of installation shall be left broom clean. Debris shall be removed and disposed of in containers provided by the contractor or construction manager.

3.1.1 Measurements

a) This standard is written with the metric system of measurement followed by the U.S. Customary System of measurement in brackets.

b) The system of measurement used in the project’s original contract documents and architectural drawings will dictate which system of measurement within these standards is used for verification of compliance.

c) The U.S. Customary measurement is typically a “soft” conversion of the metric measurement. In order to make the metric number more conceptually coherent and consistent, most conversions for less than 152.4 mm [6”] in dimension are “soft” converted to the nearest 0.1 mm. For measurements above 152.4 mm [6”], the “soft” value is converted to the nearest 1 mm.
For a complete AWS document, including compliance requirements, product information and more, contact us.