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WOODWORK INSTITUTE'S VISION & MISSION

VISION

Assurance through
Certification

MISSION

To promote to the architectural design community, its suppliers and contractors, the development and dissemination of information relative to uses, advantages, and utility of millwork products. To provide the leading standards and quality assurance programs for the architectural millwork industry through the new *Architectural Woodwork Standards*, our exclusive publication *The WI Approach*, Certified Compliance and Monitored Compliance Programs.

To be the premier, industry-driven, equal opportunity, non-profit trade association resource provider for our membership.



inside this issue

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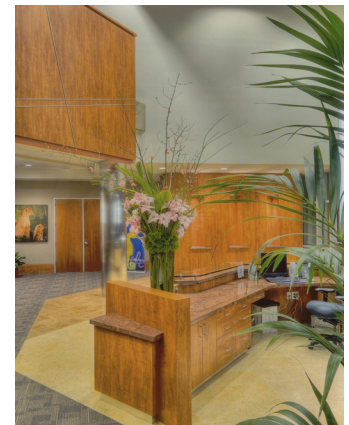
ON THE COVER*

**Winner of the 2010
Bernard B. Barber Jr.
Award for Excellence**

Reeves Enterprises

Woodworker: Dennis Reeves, Inc.
Architect: McFarlane Architects
General Contractor: Sierra Group

See full story on page 9



*The WOODWORK INSTITUTE would like to welcome
the following new board member:*

Mike Polanchyck, Director

ISEC, Inc.
Fremont, CA

*and to welcome back the following
board members:*

**Dennis Milsten
Vice Chairman/Director**

Westmark Products Inc.
Tacoma, WA

Ray Cerulli, Director

Plastic Tops
La Habra, CA

Valarie Harris (FCSI), Director

Stanley Security Solutions
Placentia, CA



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2011-2012**

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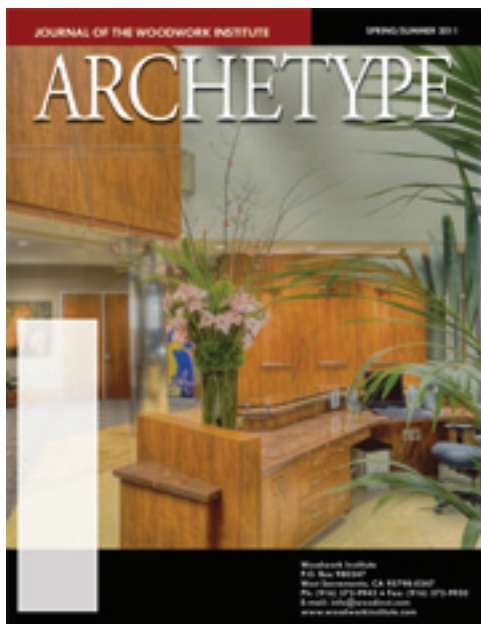
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Published by the

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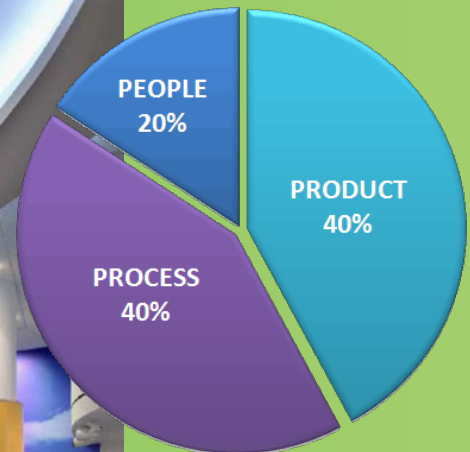


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SUSTAINABLE ARCHITECTURAL WOODWORK

Encouraging the use of environmentally sustainable materials and processes within the architectural woodwork industry.



WHY SAW?

MISSION

To encourage the use of environmentally sustainable materials and processes within the architectural woodwork industry.

WHY?

- It is the right thing to do: good for the planet, good for the people, good for business
- Demand from our clients for green products and practices is increasing
- The importance of presenting a united and comprehensive initiative for our industry

SAW CERTIFICATION is:

- A criteria and points based system, including some third party certifications
- Informed by and compatible with other green programs (e.g., LEED)
- Incorporating emerging “best practice” standards that are credible, clear, and measurable
- Open to all companies in the industry
- Annual certification entitles use of program name and green logo
- Program to run on a cost recovery business model
- Participating in a rapidly growing market segment
- Meeting the needs of customers who are sourcing green products
- Use of specially designed marketing materials
- Direct marketing to potential customers
- Reducing expenses and operating costs (especially for energy & waste handling)
- Improved credibility and market perception

INTRODUCTION

Companies that achieve required points will be awarded the appropriate level of SA certification. A total of 100 points have been defined and four levels of achievement are possible.

Levels of Company Certification

- SAW BASIC – awarded to companies achieving 30-50 points
- SAW SILVER – awarded to companies achieving 50+ to 75 points
- SAW GOLD – awarded to companies achieving 75+ to 90 points
- SAW PLATINUM – awarded to companies achieving 90+ points

SAW BASIC companies are operating at beginning levels, have some sustainable practices and are developing plans and policies for improvement.

SAW SILVER and **GOLD** companies are operating at higher levels of sustainability and are actively underway with their plans.

SAW PLATINUM companies are exemplary in their practices, have developed sustainability policies covering most areas of the SAW program and have demonstrated progress in achieving company goals

SUSTAINABLE ARCHITECTURAL WOODWORK

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he Woodwork Institute would like to welcome our first
“Affiliate General Contractor”:
GROUP CONSTRUCTION of San Jose, CA!

In 2010, Woodwork Institute created a new membership classification for general contractors. We felt a strong need in the marketplace to get the general contractors “on board” with our programs and services so they can understand how we serve the architectural millwork community.



The program includes website access, an AWS manual, use of a special “W.I. Contractor” printed

logo, and educational seminars hosted at the contractors office.

When Nabeel Awad, owner of Group Construction, found out about the membership, he jumped at the opportunity. Nabeel’s firm has held its general contractors license since 2001, and specializes in high-end commercial, retail, tenant improvement, and design build projects. Most of his work is from repeat customers and referrals. He works with a small group of architect’s offices who consistently specify Woodwork Institute’s certification for millwork. That alone made the decision to join Woodwork Institute an easy one. Nabeel anticipates that his W.I. membership will be a business asset, not only for his company, but also for his improved ability to better his market position with architects and owners alike.



Again, we congratulate Group Construction for its desire to join Woodwork Institute and its new general contractor program. Please contact Woodwork Institute for any further information.

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Best of the Best

2010

Part Two





WINNER OF THE 2010
BERNARD B. BARBER JR. AWARD
FOR EXCELLENCE
REEVES ENTERPRISES
WOODWORKER: DENNIS REEVES
ARCHITECT : MCFARLANE ARCHITECTS
GENERAL CONTRACTOR: SIERRA GROUP

Bernie B. Barber Award for Excellence Reeves Enterprises

This project is in the main lobby at Life Technologies corporate headquarters. The millwork package consists of a reception desk, paneled niche wall, 12" tall base throughout the room, an 8' x 10' decorative wall piece and ceiling trellis system.

The trellis system hangs from the 25' ceiling. It consists of 15 - 1/2" x 4' x 4' laminated panels attached to the ceiling joists using 1" standoffs at each corner. The hanging part of the trellis is 12" tall x 12' wide x 20' long, laminated Wilsonart Wild Cherry. It is attached to the roof trusses using unistrut and allthread. It took 2 scissor lifts with 2 men on each lift and 1 ground man 2 days to install the unistrut structure to the roof trusses before the ceiling was framed. After the ceiling was dry walled and painted, it took 4 scissor lifts, with 2 men on each lift and 2 ground men 4 days to install the finished product.

The 8' x 10' decorative wall piece is laminated Wilsonart Wild Cherry. With semi-recessed aluminum trim routed into the face of it. It took 2 scissor lifts, with 3 men on each lift and 2 ground men 1 day to install.

The 12" tall base and paneled niche wall are Wilsonart Wild Cherry. The reception desk is Wilsonart Wild Cherry with Nevamar Champagne Sagawood front panels on stand offs. The desktop is granite with 3/4" thick glass on stand offs


The entire lobby took 640 man hours to produce in the shop and 750 man hours to install.







ARCHITECTURAL WOODWORK STANDARDS


EDITION 1 - ERRATA LIST As of 4/26/2011




















































Sec.	Page	Item	Description	Posted	Link
User Guide	6	3rd Paragraph	Change to read: "These standards are both a voluntary and a definitive document, intended to spell out the requirements for satisfactory performance when referenced as part of contract documents. Sections in the document are interrelated and are intended to be used together, not in part. For example, if a project specification requires compliance with Section 10, then compliance with the Preface; the Product (Items 2 - 4), Execution (Items 5 & 6), and Compliance (Item 7) portions of Sections 1-5; along with referenced portions of Appendix A and the Glossary are also required, as applicable. The Introduction, Table of Contents, Suggestion Form, General (Item 1) portions of Sections 1-12, and Appendix B are not part of these standards for compliance purposes."	6/15/2010	
User Guide	6	3rd Paragraph	Overwriting previous Errata dated 6/15/2010, change to read: "These standards are both a voluntary and a definitive document, intended to spell out the requirements for satisfactory performance when referenced as part of contract documents. Sections in the document are interrelated and are intended to be used together, not in part. For example, if a project specification requires compliance with Section 10, then compliance with 1-5 along with Appendix A and the Glossary are also required, as applicable. The Introduction, Table of Contents, Suggestion Form, and Appendix B are not part of these standards for compliance purposes."	9/10/10	
Suggestion Form	10	New	The following email addresses are provided for each of the sponsor Associations: <ul style="list-style-type: none"> • AWI – pduvic@awinet.org • AWMAC – page10s@awmac.com • WI – AWSsuggestion@woodinst.com 	6/18/2010	
Preface	25	1.4.5	Change to read: "The appendixes are provided as additional resources to the manufacturer, design professional, educator, user, or certifying organization. Appendix A is only part of the standards when referenced. Appendix B is not part of the standards."	9/10/10	
Preface	28	6.3.1.1	Shall be Deleted in its entirety.	1/24/2010	
1	34	1.2.1.2.2.2	Change to read: "... documentation within the submittal package, requesting ..."	6/15/2010	
2	44	1.2.3.2.1	Change to read: "The table and map below (data adapted from USDA Forest Service, Agriculture Handbook) shows ..."	2/20/2010	
2	44	1.2.3.2.1	In the Table, change the first Geographical Location to read: "Most of U.S. and Canada"	2/20/2010	
2	44	1.2.3.2.1	In the Table, change the second Geographical Location to read: "Damp Southern Coastal areas of the U.S. and Canadian Eastern Coastal Provinces."	2/20/2010	
2	47	4.1.2.2.6.1	Change to read: "... U.S., and Canadian Eastern Coastal Provinces ..."	2/20/2010	
2	47	4.1.2.2.7.1	Change to read: "... U.S., and Canadian Eastern Coastal Provinces ..."	2/20/2010	
3	55	4.2a.1	Add: "Mahogany, African"	10/20/2010	
3	55	4.2a.2	Change to read: "... exceed 1-1/16" (27 mm)."	12/24/2009	
3	55	4.2a.6	Change to read: "... it shall mean Honduras or African Mahogany."	10/20/2010	
3	60	4.2a.11.3.4.1	Add: "Mahogany, African"	10/20/2010	
4	79	1.2.31.4	Change first paragraph to read: " COMBINATION CORE panels are a hybridization of veneer and composition cores offering the advantages of both. Typically these cores have internal layers which are constructed of three or five plies of veneer or a center layer of wafer board (randomly oriented wafers) or other wood fiber which are sandwiched between thin laminations of a composite product like MDF, particleboard, hardboard, etc. Typically these products result in stronger, lighter weight, dimensionally stable panels with increased screw holding ability, and superior surface flatness."	9/10/10	
4	81	1.4.2	Change to read: " COMBINATION CORE is acceptable, provided it meets or exceeds the performance property requirements of ANSI A208-1 or 2."	9/10/10	
4	83	4.1.10.1	Change to read: "A single component in "AA" Face Grade."	12/24/2009	
4	83	4.1.10.2	Change to read: "The split-heart method in Face Grades "A D", and:"	12/24/2009	
4	84	4.2a.14.1	Change the word at the end of the 5th sentence to read "the manufacturer".	6/15/2010	
5	111	4.1.7	Change to read: " PANELING requires:"	6/15/2010	
5	111	4.1.9	Change to read: "DOORS require all four faces to be finished and the top/bottom edges, and	7/29/2010	

Sec.	Page	Item	Description	Posted	Link
			hardware preparation areas at hinges and lock edges to be sealed.”		
5	111	4.1.11.4	Change to read: “MOISTURE EXPOSURE EFFECTS such as raised grain or blue stain shall be removed.”	2/20/2010	
5	112	4.1.11.6.1	Change to read: “. . . 72” (1830 mm)”	6/15/2010	
5	112	4.1.11.7.1	Change to read: “. . . 72” (1830 mm)”	6/15/2010	
5	112	4.1.11.9.1	Change to read: “. . . 72” (1830 mm)”	6/15/2010	
5	116	4.3.15.3.1.4	Change to read: 4.3.15.3.1.3	6/15/2010	
5	116	4.3.15.3.1.5	Change to read: 4.3.15.3.1.4	6/15/2010	
5	116	4.3.15.3.1.2	Add bullet to the Premium column.	6/15/2010	
5	116	4.3.15.3.1.3	Add bullet to the Premium column.	6/15/2010	
5	116	4.3.15.3.1.4	Add bullet to the Premium column.	6/15/2010	
5	116	4.3.15.5.1.3	Add bullet to the Premium column.	6/15/2010	
5	116	4.3.15.5.1.4	Add bullet to the Premium column.	6/15/2010	
6	132	4.2.9	Change <u>vertical text</u> to read: “Exposed Surfaces”	6/15/2010	
6	133	4.2.9	Change <u>vertical text</u> to read: “Exposed Surfaces”	6/15/2010	
6	139	4.4.1.8.1.1	Change to read: “.0015” (0.38 mm)”	6/25/2010	
6	139	4.4.1.8.1.2	Change to read: “.0010” (0.25 mm)”	6/25/2010	
6	139	4.4.1.8.1.3	Change to read: “.0005” (0.13 mm)”	6/25/2010	
6	141	4.4.1.13.3.2	Change bullet from Custom to Premium column.	7/29/2010	
6	141	4.4.1.13.3.3	Change bullet from Premium to Custom column.	7/29/2010	
6	149	6.1.10.3	Change to read: “Installed using all furnished fasteners or fastener provisions and when fastener provisions are countersunk, fasteners shall be countersunk.”	12/24/2009	
7	162	4.4.1.7.1.1	Change to read: “.0015” (0.38 mm)”	6/25/2010	
7	162	4.4.1.7.1.2	Change to read: “.0010” (0.25 mm)”	6/25/2010	
7	162	4.4.1.7.1.3	Change to read: “.0005” (0.13 mm)”	6/25/2010	
7	164	4.4.1.12.3.2	Change bullet from Custom to Premium column.	7/29/2010	
7	164	4.4.1.12.3.3	Change bullet from Premium to Custom column.	7/29/2010	
7	168	6.1.10.3	Change to read: “Installed using all furnished fasteners or fastener provisions and when fastener provisions are countersunk, fasteners shall be countersunk.”	12/24/2009	
8	181	1.2.12.3	Drawings are missing lines, see attached pdf for corrected drawings. See attached pdf.	4/12/2010	
8	182	1.4.3	Change to read: “FURRING, when required, shall be in accordance with Section 803.11.1 of the International Building Code (IBC), which currently. . . .”	1/24/2010	
8	187	4.2.11.6.1	Change to read: “Shall be of CONSTRUCTION STANDARD of the panel manufacturer and conform to the requirements of all applicable labeling agencies.” (NOTE, this item number was previous corrected by Errata on 12/24/09)	4/12/2010	
8	187	4.2.11.6.2	Omit in its entirety. (NOTE, this item number was previous corrected by Errata on 12/24/09)	4/12/2010	
8	187	4.2.12++	Change the first Item 4.2.12 at the top of the page (continued from page 186) and all of the sub-items thereafter) to 4.2.11 and 4.2.11+.	12/24/2009	
8	191	4.4.1.8.1.1	Change to read: “.0015” (0.38 mm)”	6/25/2010	
8	191	4.4.1.8.1.2	Change to read: “.0010” (0.25 mm)”	6/25/2010	
8	191	4.4.1.8.1.3	Change to read: “.0005” (0.13 mm)”	6/25/2010	
8	194	4.4.6.5.3.2	Change bullet from Custom to Premium column.	7/29/2010	
8	194	4.4.6.5.3.3	Change bullet from Premium to Custom column.	7/29/2010	
8	200	6.1.16.3	Change to read: “Installed using all furnished fasteners or fastener provisions and when fastener provisions are countersunk, fasteners shall be countersunk.”	12/24/2009	
8	200	6.2.1.2	Change to read: “PANELS shall be installed as specified.”	10/20/2010	
8	201	6.2.4.2.3	Change to read: “. . . every 120” (3048 mm) in . . .”	6/25/2010	
9	207	1.2.8.2.1	Omit in its entirety.	4/12/2010	
9	211	Entire Page	In the CD Rom version of the AWS, Page 211 did not print correctly, the attached pdf is how it should look.	12/24/2009	
9	212	Entire Page	In the CD Rom version of the AWS, Page 212 did not print correctly, the attached pdf is how it should look.	12/24/2009	

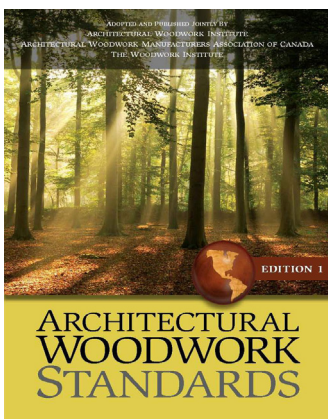
Sec.	Page	Item	Description	Posted	Link
9	212	1.2.18.4.1.1	Change the word “engineered” to “high density”	4/12/2010	
9	212	1.2.18.4.1.1	Overwriting previous Errata dated 4/12/2010, remove the wording “high-density”	9/10/10	
9	212	1.2.18.4.2.2	Change the word “engineered” to “high density”	4/12/2010	
9	212	1.2.18.4.2.2	Overwriting previous Errata dated 4/12/2010, remove the wording “high-density”	9/10/10	
9	214	1.2.18.5.5	At the drawing, for the text “Rail” the line is incorrectly pointing to the core not the top rail as intended.	12/24/2009	
9	215	1.2.18.5.7	At the drawing, for the second text of “Cross Band” the line is incorrectly pointing to the same item as the first “Cross Band” reference and was intended to be pointing at the cross band layer immediately below the face veneer..	12/24/2009	
9	216	1.2.18.8	Change to read: “. . . otherwise. As in all veneer matching, veneer length availability should be taken into consideration. – see examples below.”	4/12/2010	
9	222	4.1.2	Change to read: “ IN LIEU OF TESTING for WDMA TM-7 (Slam Cycle) & TM-8 (Hinge Loading), compliance . . .”	9/10/10	
9	222	4.1.2.1	Omit in its entirety.	7/29/2010	
9	224	4.1.19.1	Change to read: “. . . bundled in appropriately labeled sets or pre-fit and tacked in the appropriate light opening, and:”	12/24/2009	
9	224	4.1	Add new Item: “4.1.21: DOORS require all four faces to be finished and the top/bottom edges, and hardware preparation areas at hinges and lock edges to be sealed.”	7/29/2010	
9	231	4.2.6.2	Change the word “engineered” to “high density”	4/12/2010	
9	231	4.2.6.2	Overwriting previous Errata dated 4/12/2010, remove the wording “high-density”	9/10/10	
9	231	4.3.2	In the first cell, remove the asterisk so it reads: “Minimum WDMA PERFORMANCE DUTY VALUES – Reprinted . . .” - In the sixth cell down add an asterisk (*) so that it reads: “Door Finish, Various ASTM test methods * “	12/24/2009	
9	232	4.3.6	Change to read: “. . . out on both sides, and/or:”	6/15/2010	
9	232	4.3.6.2	Change to read: “Use of glazing gaskets, tape or high density foam is acceptable.”	6/15/2010	
9	233	4.3.8.8.1.1	Change to read: “0.010” (0.25 mm)”	6/25/2010	
9	233	4.3.8.8.1.2	Change to read: “0.005” (0.13 mm)”	6/25/2010	
9	233	4.3.8	<div> <div> Add new Item: 4.3.8.13 <div> <div>4.3.8.13</div> <div>At HPDL and PVC, edges shall be machined flush and filed, sanded, or buffed to remove machine marks and sharp edges, and:</div> <div> <div>4.3.8.13.1</div> <div>VISIBLE OVERLAP (over-filing) shall not exceed:</div> <div> <div>4.3.8.13.1.1</div> <div>0.005" (0.13 mm) for a maximum length of 2" (50.8 mm) in any 48" (1220 mm) run</div> <div>4.3.8.13.1.2</div> <div>0.005" (0.13 mm) for a maximum length of 1" (25.4 mm) in any 24" (610 mm) run</div> <div>4.3.8.13.1.3</div> <div>NO VISIBLE OVERLAP</div> </div> <div>4.3.8.13.2</div> <div>CHIP-OUT shall be inconspicuous when viewed at:</div> <div> <div>4.3.8.13.2.1</div> <div>72" (1829 mm)</div> <div>4.3.8.13.2.2</div> <div>48" (1220 mm)</div> <div>4.3.8.13.2.3</div> <div>24" (610 mm)</div> </div> <div>4.3.8.13.3</div> <div>REMOVAL of color or pattern of face material due to over-machining limited to:</div> <div> <div>4.3.8.13.3.1</div> <div>3/32" x 4" (2.4 mm x 102 mm) and may not occur within 48" (1220 mm) of a similar occurrence.</div> <div>4.3.8.13.3.2</div> <div>1/16" x 1-1/2" (1.6 mm x 38.1 mm) and may not occur within 60" (1524 mm) of a similar occurrence.</div> <div>4.3.8.13.3.3</div> <div>1/16" x 4" (1.6 mm x 102 mm) and may not occur within 72" (1829 mm) of a similar occurrence.</div> </div> </div> </div> </div> </div>	1/24/2010	
9	233	4.3.8.13.3.2	Change bullet from Custom to Premium column. (NOTE, this item number was previous established by Errata on 1/24/10)	7/29/2010	
9	233	4.3.8.13.3.3	Change bullet from Premium to Custom column. (NOTE, this item number was previous established by Errata on 1/24/10)	7/29/2010	
9	235	4.3.9.6.2.1	Change to read: “. . . a distance of 48” (1219 mm).”	12/24/2009	
9	236	4.3.10.7.3	Change to read: “ GRAIN shall run vertically.”	6/15/2010	
9	239	6.1.13.2	Change to read: “Clearance at the bottom of fire-rated doors shall conform to NFPA 80 and at non-rated doors shall be a minimum of 1/4” and a maximum of 5/8” measured from the bottom of the door to the highest point of the finish floor that the door swings over.”	9/10/10	
9	239	6.1.14.2.5	Change to read: “Installed using all furnished fasteners or fastener provisions and when fastener provisions are countersunk, fasteners shall be countersunk.”	12/24/2009	
10	248	1.2.14.2.2.2.1	Change to read: “. . . compatible to exposed exterior surface in color . . .”	10/06/2010	

Sec.	Page	Item	Description	Posted	Link
10	249	Entire Page	In the CD Rom version of the AWS, Page 249 did not print correctly, the attached pdf is how it should look.	12/24/2009	
10	253	1.2.21.2.1	Change to read: “50 lbs per sq ft (244.1 kg/m2) for . . .”	12/24/2009	
10	253	1.2.21.2.2	Change to read: “40 lbs per sq ft (195.3 kg/m2) for . . .”	12/24/2009	
10	257	1.5.6.2.2	Change Item # to read: “1.5.6.1.1”	12/24/2009	
10	257	1.5.6.2.2.1	Change Item # to read: “1.5.6.1.1.1”	12/24/2009	
10	260	4.1.8	Add new Item: “4.1.8.11: Installed using all furnished fasteners or fastener provisions and when fastener provisions are countersunk, fasteners shall be countersunk.”	12/24/2009	
10	260	4.1.19	Remove the dot from Custom Grade; this is only applicable to Premium Grade.	6/15/2010	
10	261	4.1.20.2.3	In the first sentence, remove the wording: “(even in a bank of drawers)”	7/29/2010	
10	263	4.2.7.3.3.1	Change to read: “. . . prefinished hardwood lumber or 7- or 9- . . .”	6/15/2010	
10	263	4.2.7.3.3.2	Change to read: “. . . prefinished hardwood lumber or 7- or 9- . . .”	6/15/2010	
10	263	4.2.8.2.2	Change to read: “. . . compatible to exposed exterior surface in color . . .”	10/6/2010	
10	264	4.2.8.3.2.1.2	Change to read: “. . . (15.9 mm) for drawers up to 30” (762 mm) wide and ¾” (19 mm) for drawers over 30” (762 mm) wide.	6/15/2010	
10	265	4.4.1.3.1.1	Change to read: “0.015” (0.38 mm)”	03/08/2010	
10	265	4.4.1.3.1.2	Change to read: “0.010” (0.25 mm)”	03/08/2010	
10	265	4.4.1.3.1.3	Change to read: “0.005” (0.13 mm)”	03/08/2010	
10	266	4.4.2	Change to read: “Fixed HORIZONTAL cabinet members, including tops and bottoms, shall be either flush or set back a maximum of 1/16” (1.6 mm) at their intersection with vertical ends and shall be uniform throughout the room.	12/24/2009	
10	267	4.4.4.3	Change to read: “When visible from above, the TOP EDGE of the cabinet ends shall be edgebanded to match the exposed exterior surface.”	9/10/10	
10	268	4.4.5.11.1	Change to read “. . . locked position, or:”	6/15/2010	
10	268	4.4.5.11.1	Add new Item “4.4.5.11.1.1: STRIKES are required.”	6/15/2010	
10	268	4.4.5.11.2	Change to read: “ STRIKES are required at spring loaded latches.”	6/15/2010	
10	268	4.4.5.14.5.1	Change to Item 4.4.5.14.6	6/15/2010	
10	269	4.4.6.4	Change to read: “. . . in width and 84” (2134 mm) in height.”	12/24/2009	
10	269	4.4.6.8.1	Change to read “. . . locked position, or:”	6/15/2010	
10	269	4.4.6.8.1	Add new Item “4.4.6.8.1.1: STRIKES are required.”	6/15/2010	
10	269	4.4.6.8.2	Change to read: “ STRIKES are required at spring loaded latches.”	6/15/2010	
10	274	4.4.8.9	Change to read: “. . . shall be installed with concealed fasteners.”	12/24/2009	
10	274	4.4.9.2.3	Change to read: “. . . EDGES of the cabinet ends . . .”	6/18/2010	
10	274	4.4.9.2.3	Eliminate the indicator “dot” at Custom Grade	6/18/2010	
10	274	4.4.9.2.3	Add new Item 4.4.9.2.3.1 “EXPOSED EDGES of cabinet ends shall be banded with material compatible to the exposed faces.” And show an indicator “dot” for Custom Grade only.	6/18/2010	
10	274	4.4.9.2.8	Change to read: “If CABINET ENDS Extend . . .”	6/18/2010	
10	274	4.4.9.2.8	Eliminate the indicator “dot” at Custom Grade	6/18/2010	
10	274	4.4.9.2.8	Add new Item 4.4.9.2.8.1 “If CABINET ENDS EXTEND below the bottom, the interior exposed surface of the end shall be of material compatible to the exposed surface.” And show an indicator “dot” for Custom Grade only.	6/18/2010	
10	274	4.4.9.3.2.1	Change to read: “CABINET END shall be BANDED to match other exposed surfaces.”	6/18/2010	
10	275	4.4.12	Add new item “4.4.12.11: Visible joints are not permitted at exposed interior or semi-exposed interior cabinet backs.”	6/15/2010	
10	275	4.4.12.8	Delete in its entirety along with its three subordinates.	10/6/2010	
10	275	4.4.13.2	Eliminate in its entirety	6/18/2010	
10	275	4.4.13.5	Change to read: “. . . at separate toes at a maximum of 48” (1219 mm) on . . .”	6/15/2010	
10	276	4.4.13	Add new Item “4.4.13.8: MOVEBALE TOES at ADA base cabinets shall not have a vertical gap exceeding that allowable for the doors above.”	6/15/2010	
10	276	4.4.14.9.2	Change to read: “CORES to be subject to 40 lbs per sq ft (195.3 kg/m2) load . . .”	12/24/2009	
10	276	4.4.14.9.3	Change to read: “With a 50 lbs per sq ft (244.1 kg/m2) load . . .”	12/24/2009	
10	277	4.4.14.10.1.6.1	Change to read: “50 lbs per sq ft (244.1 kg/m2) for . . .”	12/24/2009	
10	277	4.4.14.10.1.6.2	Change to read: “40 lbs per sq ft (195.3 kg/m2) for . . .”	12/24/2009	

Sec.	Page	Item	Description	Posted	Link																																																									
10	281	4.4.18.4.1	Add bullet for Economy Grade only.	10/6/2010																																																										
10	282	4.4.20	Add new Item 4.4.20.9: "Joinery by other than the above requirements is permitted, provided it has been independently tested to show compliance to the Wall Cabinet Structural Integrity Test as shown in Appendix A."	2/20/2010																																																										
10	282	4.4.20.6.3	Change to read: "... (49.3 mm) ..."	6/15/2010																																																										
10	282	4.4.20.6.4	Change to read at two occurrences: "1-15/16" (49.3 mm) MAX."	6/15/2010																																																										
10	282	4.4.20.7.2	Change to read: "... (49.3 mm) ..."	6/15/2010																																																										
10	282	4.4.20.7.5	Change to read at two occurrences: "1-15/16" (49.3 mm) MAX."	6/15/2010																																																										
10	282	4.4.20.8.1	Change to read: "... minimum #20 or ..."	6/15/2010																																																										
10	282	4.4.21.3.1	Change to read: SCRIBE MOLDS are not permitted.	1/24/2010																																																										
10	283	4.4.22.1	Change to read: "... (38 mm) ..."	6/15/2010																																																										
10	283	4.4.22.2	Change to read: "... (38 mm) ..."	6/15/2010																																																										
10	283	4.4.23.1	Change to read: "AT DOORS and DRAWERS, EDGE alignment ..."	3/08/2010																																																										
10	284	4.4.23.3.5	Change to read: "DOORS and DRAWERS shall be on the same plane as one another and shall not exceed:"	3/08/2010																																																										
10	284	4.4.23.3.5	Add new Item 4.4.23.3.5.1: "1/8" (3.18 mm)" with indicator for Economy Grade	3/08/2010																																																										
10	284	4.4.23.3.5	Add new Item 4.4.23.3.5.2: "1/16" (1.59 mm)" with indicator for Custom Grade	3/08/2010																																																										
10	284	4.4.23.3.5	Add new Item 4.4.23.3.5.3: "1/32" (0.79mm)" with indicator for Premium Grade	3/08/2010																																																										
10	285	4.4.25.4.4	Change to read: "... metal dowel screwed, pocket-screwed, or biscuit-joined, and:"	6/15/2010																																																										
10	286	4.4.26	<p>Add new Item: 4.4.26.4</p> <table border="1"> <tr> <td rowspan="13">H P D L ↓</td> <td colspan="2">4.4.26.4 At HPDL and PVC, edges shall be machined flush and filed, sanded, or buffed to remove machine marks and sharp edges, and:</td><td></td><td></td><td></td></tr> <tr> <td rowspan="4">4.4.26.4.1</td> <td colspan="3">VISIBLE OVERLAP (over-filing) shall not exceed:</td><td></td></tr> <tr> <td>4.4.26.4.1.1</td> <td>0.005" (0.13 mm) for a maximum length of 2" (50.8 mm) in any 48" (1220 mm) run</td> <td>●</td><td></td></tr> <tr> <td>4.4.26.4.1.2</td> <td>0.005" (0.13 mm) for a maximum length of 1" (25.4 mm) in any 24" (610 mm) run</td> <td></td><td>●</td></tr> <tr> <td>4.4.26.4.1.3</td> <td>NO VISIBLE OVERLAP</td> <td></td><td>●</td></tr> <tr> <td rowspan="4">4.4.26.4.2</td> <td colspan="3">CHIP-OUT shall be inconspicuous when viewed at:</td><td></td></tr> <tr> <td>4.4.26.4.2.1</td> <td>72" (1829 mm)</td> <td>●</td><td></td></tr> <tr> <td>4.4.26.4.2.2</td> <td>48" (1220 mm)</td> <td></td><td>●</td></tr> <tr> <td>4.4.26.4.2.3</td> <td>24" (610 mm)</td> <td></td><td>●</td></tr> <tr> <td rowspan="4">4.4.26.4.3</td> <td colspan="3">REMOVAL of color or pattern of face material due to over-machining limited to:</td><td></td></tr> <tr> <td>4.4.26.4.3.1</td> <td>3/32" x 4" (2.4 mm x 102 mm) and may not occur within 48" (1220 mm) of a similar occurrence.</td> <td>●</td><td></td></tr> <tr> <td>4.4.26.4.3.2</td> <td>1/16" x 1-1/2" (1.6 mm x 38.1 mm) and may not occur within 60" (1524 mm) of a similar occurrence.</td> <td></td><td>●</td></tr> <tr> <td>4.4.26.4.3.3</td> <td>1/16" x 4" (1.6 mm x 102 mm) and may not occur within 72" (1829 mm) of a similar occurrence.</td> <td></td><td>●</td></tr> </table>	H P D L ↓	4.4.26.4 At HPDL and PVC, edges shall be machined flush and filed, sanded, or buffed to remove machine marks and sharp edges, and:					4.4.26.4.1	VISIBLE OVERLAP (over-filing) shall not exceed:				4.4.26.4.1.1	0.005" (0.13 mm) for a maximum length of 2" (50.8 mm) in any 48" (1220 mm) run	●		4.4.26.4.1.2	0.005" (0.13 mm) for a maximum length of 1" (25.4 mm) in any 24" (610 mm) run		●	4.4.26.4.1.3	NO VISIBLE OVERLAP		●	4.4.26.4.2	CHIP-OUT shall be inconspicuous when viewed at:				4.4.26.4.2.1	72" (1829 mm)	●		4.4.26.4.2.2	48" (1220 mm)		●	4.4.26.4.2.3	24" (610 mm)		●	4.4.26.4.3	REMOVAL of color or pattern of face material due to over-machining limited to:				4.4.26.4.3.1	3/32" x 4" (2.4 mm x 102 mm) and may not occur within 48" (1220 mm) of a similar occurrence.	●		4.4.26.4.3.2	1/16" x 1-1/2" (1.6 mm x 38.1 mm) and may not occur within 60" (1524 mm) of a similar occurrence.		●	4.4.26.4.3.3	1/16" x 4" (1.6 mm x 102 mm) and may not occur within 72" (1829 mm) of a similar occurrence.		●	1/24/2010	
H P D L ↓	4.4.26.4 At HPDL and PVC, edges shall be machined flush and filed, sanded, or buffed to remove machine marks and sharp edges, and:																																																													
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10	286	4.4.26.4.3.2	Change bullet from Custom to Premium column. (NOTE, this item number was previous established by Errata on 1/24/10)	7/29/2010																																																										
10	286	4.4.26.4.3.3	Change bullet from Premium to Custom column. (NOTE, this item number was previous established by Errata on 0/24/10)	7/29/2010																																																										
10	288	6.1.5.1	Change to read: "... flush joint tolerances as set forth in these standards.	3/08/2010																																																										
10	290	6.1.11	Change to read: "Exposed fasteners are NOT permitted at exposed exterior surfaces, except ..."	10/20/2010																																																										
10	291	6.1.12.3.2	Eliminate in its entirety.	10/20/2010																																																										
10	292	6.1.12.3.3	Change to read: "At EXPOSED INTERIOR surfaces, cover caps of compatible color to interior are required."	10/20/2010																																																										
10	292	6.1.12.3.3	Add bullet to Custom column	10/20/2010																																																										
10	292	6.1.12.4.2	Change to read: "At EXPOSED INTERIOR surfaces, cover caps of compatible color to interior are required."	10/20/2010																																																										
10	292	6.1.12.6.1	Change to read: "Separate bases or toes are required to be mechanically fastened in the field to the cabinet bottom with flat-head screws set flush or slightly recessed, to prevent their movement."	6/18/2010																																																										
10	293	6.1.18.3	Change to read: "Installed using all furnished fasteners or fastener provisions and when fastener provisions are countersunk, fasteners shall be countersunk."	12/24/2009																																																										
			"Projects specified to be in compliance with the Woodwork Institute's Manual of Millwork for Laboratory Grade and falling under the purview the Architectural Woodwork Standards																																																											

Sec.	Page	Item	Description	Posted	Link																																																					
10		Special Notice	(AWS) shall meet all of the AWS requirements for Premium Grade plus the following additional requirements (from the 11th Edition, Manual of Millwork): <ul style="list-style-type: none">a) Interior cabinet surfaces shall conform to SEFA's, 1-hour exposure chemical resistance test procedures as explained in Appendix A, Page 349 of the AWS.b) Toe kicks shall be any material complying with the Base Cabinet Submersion Test, as explained in Appendix A, Page 372 of the AWS.c) Components within 2" of the finished floor shall be constructed of solid lumber, exterior plywood, or exterior particleboard.d) At base cabinets, backs shall be removable.	2/20/2010																																																						
11	299	Entire Page	In the CD Rom version of the AWS, Page 299 did not print correctly, the attached pdf is how it should look.	2/20/2010																																																						
11	303	3.4	Change "... CUSTOM GRADE ..." to "... PREMIUM GRADE ..."	1/24/2010																																																						
11	304	4.2.5.1	Change to read: "Shall be HPDL, a minimum of .039" (0.99 mm) in thickness."	3/08/2010																																																						
11	304	4.2.5.1.1	Omit in its entirety.	3/08/2010																																																						
11	308	4.4.14.1	Change to read: "... (see Test D and Test H illustrations in COMPLIANCE) ..."	3/08/2010																																																						
11	308	4.4.14.1.1	Change to read: "0.030" (0.76 mm)"	3/08/2010																																																						
11	308	4.4.14.1.2	Change to read: "0.020" (0.51 mm)"	3/08/2010																																																						
11	308	4.4.14.1.3	Change to read: "0.005" (0.13 mm)"	3/08/2010																																																						
11	309	4.4.15.1.1	Change to read: "0.015" (0.38 mm)"	6/25/2010																																																						
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Appendix A	340	Bldg. Code	Change "National Uniform Building Code (UBC)" reference to: "International Building Code (IBC)"	1/24/2010																																																						
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Glossary	384	Combination Core	Change definition to read: "Panels are a hybridization of veneer and composition cores offering the advantages of both. Typically these cores have internal layers which are constructed of three or five plies of veneer or a center layer of wafer board (randomly oriented wafers) or other wood fiber which are sandwiched between thin laminations of a composite product like MDF, particleboard, hardboard, etc. Typically these products result in stronger, lighter weight, dimensionally stable panels with increased screw holding ability, and superior surface flatness."	9/10/10																																																						
Glossary	386	Add new term	DOOR FURNISHER: As used in PRODUCT of Section 09, is defined as the party responsible for the take off, ordering and supplying of the doors to a project.	4/12/2010																																																						
Glossary	386	Dowel	Remove the wording: "or a metal screw"	12/24/2009																																																						
Glossary	395	Add new term	NON-WOOD: As used in EXECUTION sections of this standard refers to components made of material other than wood and that are subject to this standard's tolerance threshold values.	12/24/2009																																																						



UPDATES TO THE
AWS EDITION 1 - ERRATA LIST
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The "Master of Millwork Management", or the M3 membership classification, is intended to acknowledge those individuals that have proven their superior knowledge and understanding of the *AWS, The WI Approach*, the Institute, and are committed to enhancing and sharing their overall industry expertise, without restriction to their industry affiliation.

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A Small Shop Doing Big Work!

By Dick McClure

Occasionally a project comes into the Woodwork Institute and really gets our attention. We see many different types of jobs from basic casework projects, doors, paneling & trim, to large high-end millwork jobs that have “Award Winner” written all over them. But this project when the shop drawing landed on my desk for inspection, really caught my eye.

This project was a new reception and information lobby for Salinas, CA, Valley Medical Center, designed by the renowned architectural firm of Kaplan, McLaughlin and Diaz of San Francisco,



so you can well imagine the stature and presence of the millwork design. The scope included a couple of very complicated and intense customer service counters, back wall with credenza cabinets, and some wall paneling and trim. I looked at it and put a “degree of difficulty” on the work of about 9.5 on a scale of 1 to 10! With all of that said, I was expecting to see one of our large shop members (from a big city) names on the submittal package...but no, what was surprising was to see the name “Baldwin’s Cabinet Shop” of Watsonville, CA. Baldwin is a long time Woodwork Institute Member and licensee. They are a small shop with maybe half a dozen employees (half of those being family members)! They are a third generation company that’s been in the same location doing business since 1947.

So we have a small shop, doing an intense project, for a BIG architect.

Most Interesting....

The first thing that impressed me was the quality and presentation of the shop drawings that I was to inspect, they were awesome. The submittals were created for Baldwin’s by Woodwork Institute

Associate member, “Architectural Millwork Detailing” which is owned by Allen Hawkins. The drawings had all the information, materials and hardware listings, elevations and details, sections, etc. all presented in a very readable format in the correct size, scale, and sequence. They were a pleasure to review and put our Woodwork Institute stamp on. The drawings not only met all the standards of the AWS section 1, you could build from them.

After reviewing and being so impressed with the shop drawings, I called Fred and Mark Baldwin with an idea.... Would they like to put this project up for a Woodwork Institute Award of Excellence? Needless to say, they were excited. Their response was “Wow, we’ve been looking at all the award winning projects in “Archetype Magazine” through the years, and they are always impressive, but they are also done by the big, high profile shops/members.” Well that was my thought also but there is no reason a small shop doing this type of project should not be eligible or qualified to do award winning work, why not? We are all attuned to the AWS standards and the architect’s expect



adherence to those standards no matter who is doing the work.

So I proposed to Baldwin’s, to allow me to track the project through its fabrication, installation and finished project and share it with Archetype Readers with the goal of submitting it for a Woodwork Institute Award of Excellence. And as you can see by the accompanying photographs, this well thought out and well executed construction of high-end millwork has not only met Woodwork Institute’s expectations but also the architect and owner’s expectations as well.




Woodwork Institute has many members that are similar to Baldwin’s Cabinet Shop. They may not be a “Big Shop” but they believe in what Woodwork Institute stands for in its presentation, quality of standards, and superior construction methodology. That attention to those attributes can make anyone’s project an “Award Winner”. Kudos to Baldwin’s! We encourage everyone if they have a quality project, please, submit it to us for consideration of an award!



McDonald Mansion Part II

By Dick McClure

 ur “amazing” architectural millwork project that we shared with you in the last issue of Archetype Magazine, The McDonald Mansion, Santa Rosa, CA, is now drawing to a close. This once in a lifetime project has turned out, if possible, even more spectacular than anticipated, with all parties being thrilled with its completion.

Every project of this magnitude will have its ups and downs, its high points and low points. But to be able to finish and present this quality of architectural millwork is simply impressive. And we loudly applaud Woodwork Institute members “Fixture Pro” and “Fetzer’s Millwork”. This is a job well done.

Richard Key, owner of Fixture Pro in Santa Rosa, has certainly summed up the overall project by saying “This job has certainly been a challenge, but we knew that from the get go! We are very proud of our work and we know it is cherished by the owner, and their appreciation and acknowledgment of the craftsmanship and skill that it took to create it is testimony and reward for the effort.”

Well said!

As you recall, this was a partnership between two Woodwork Institute members, and Fetzer’s Millwork of Salt Lake City, Utah, also deserves some great credit for the fabrication and finishing of all the millwork and casework components. Russ Neve, Fetzer’s Project Manager, shares Richard’s assessment of the job being a challenging one. But also says “as difficult as the process was, the trials and tribulations did not outweigh the level of quality that can be seen in the final product. It speaks for itself, and will stand for many, many years to come”.

The project architect, Stephen Rynerson, of Rynerson and O’Brien Architects in Oakland, CA, who worked closely





with both Fixture Pro and Fetzer's throughout the job, has nothing but praise and awe of their performance. Stephen says "In a project of this magnitude and difficulty, and the fact that the millwork component has so much emotion tied to it, it really needed some special players for it to succeed. The total commitment of Richard and his team has been an absolute honor to work with. They found solutions to difficult problems and never wavered from getting the job done. There definitely were a few moments when any one of us could have given up. The proof is the finished product, and it is awesome!"



Interior designer and project historian, Paul Duchscherer, is equally complimentary about working with Fixture Pro and Fetzer's. He says that the teamwork and coordination were exemplary, and the reality of one-or-the other not being capable of visioning how the millwork had to coordinate with other trades such as the huge amount of wallpapering throughout, could have frightened some millworkers. But that never happened, and the level of professionalism will be something he will take away from this job and remember.



Woodwork Institute would like to congratulate everyone who participated in this phenomenal architectural millwork project. It clearly shows how the sum of an entire project is more than just the parts.

Architects & Designers

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