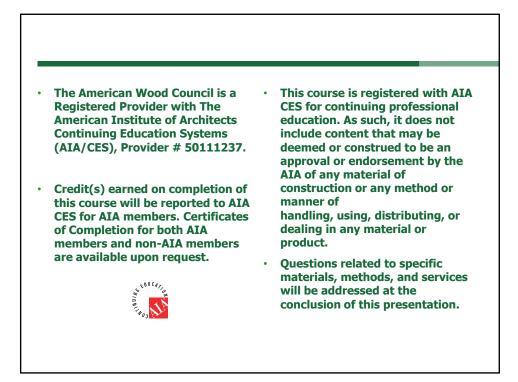


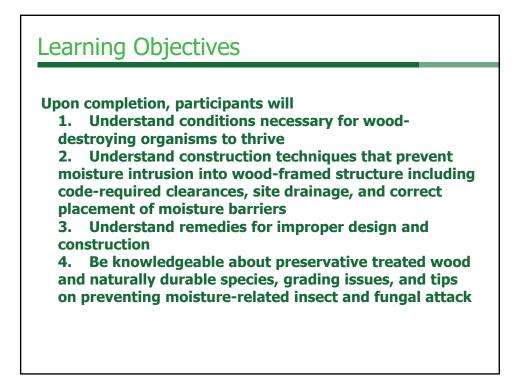
American Wood Council

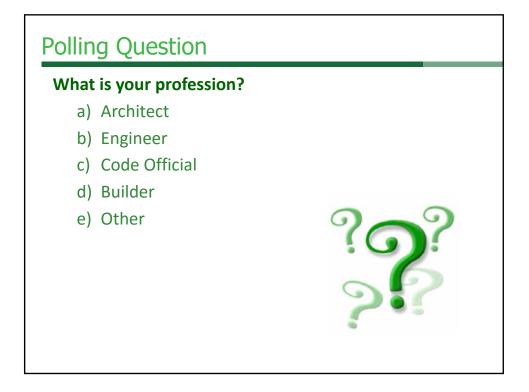
www.awc.org

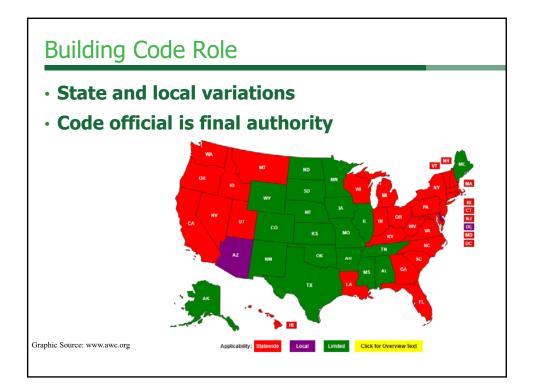


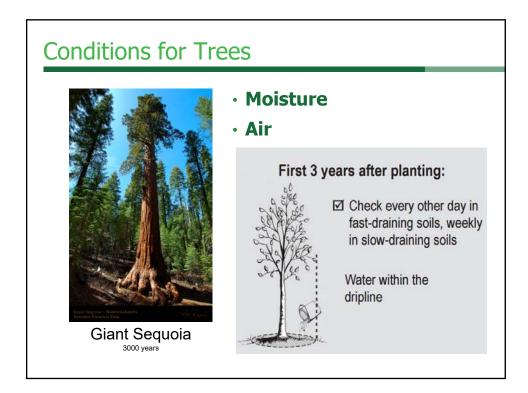
Description

When properly designed, wood frame structures will resist damage by moisture and living organisms. Recommendations for control of moisture and protection against decay and insect infestations are contained in AWC's *Design of Wood Frame Structures for Permanence, WCD No. 6.* Protection of wood frame structures to provide maximum service-life involves four methods of control, which can be handled by proper design and construction: (1) control moisture content of wood, (2) provide effective termite controls, (3) use of durable materials such as naturally durable or preservative treated wood, and (4) quality assurance.

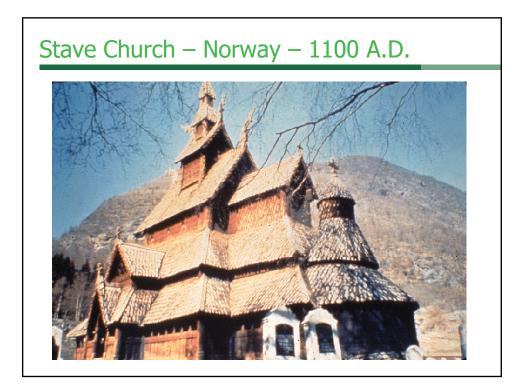


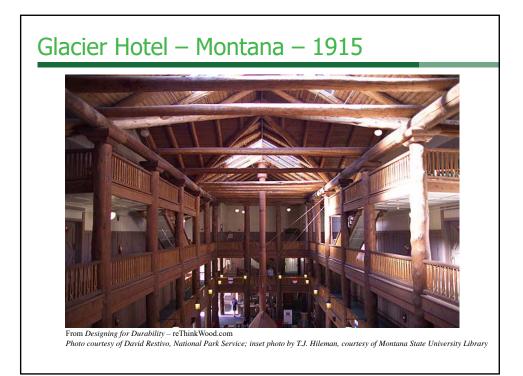


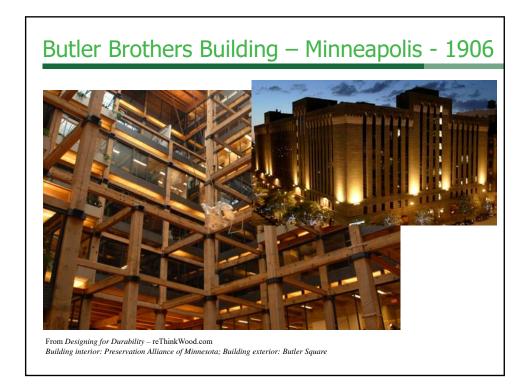


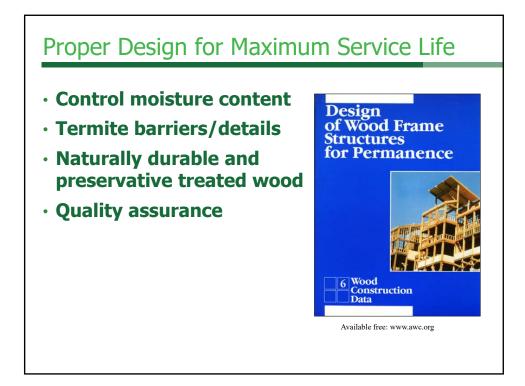


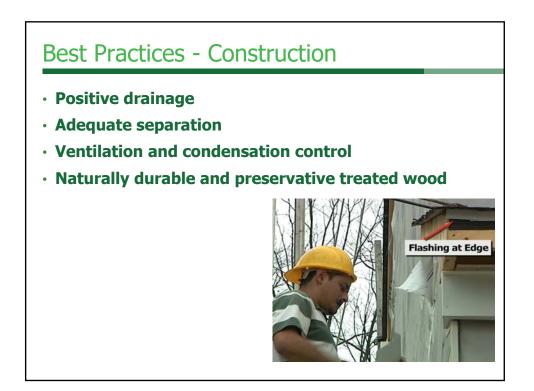


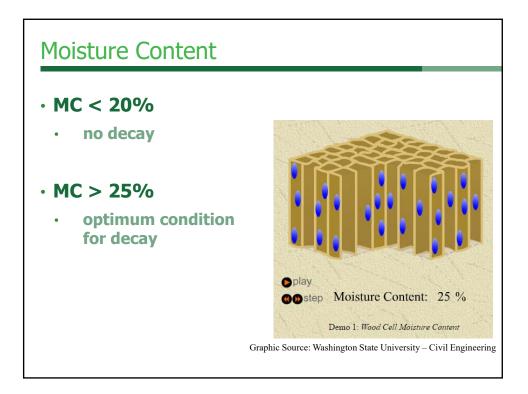


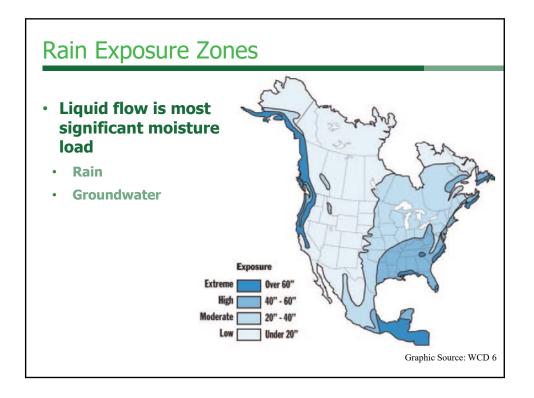


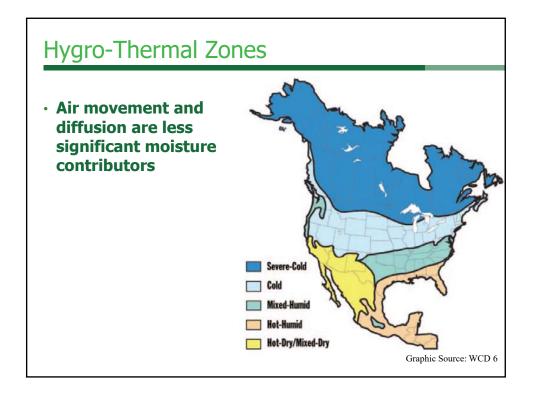


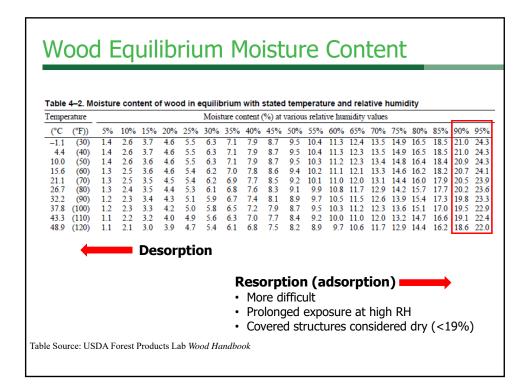


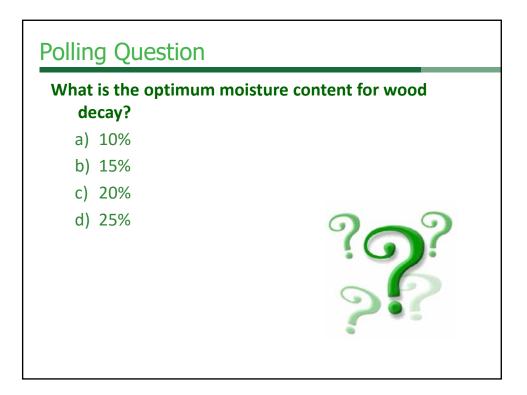


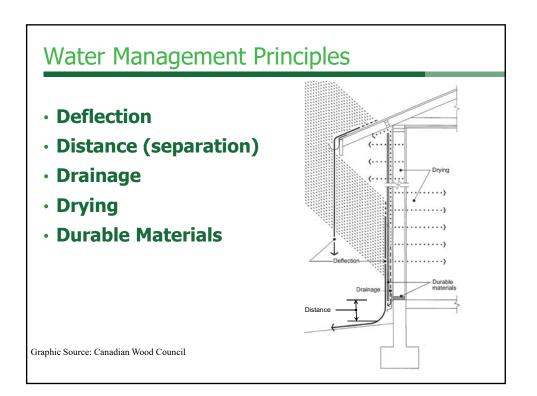






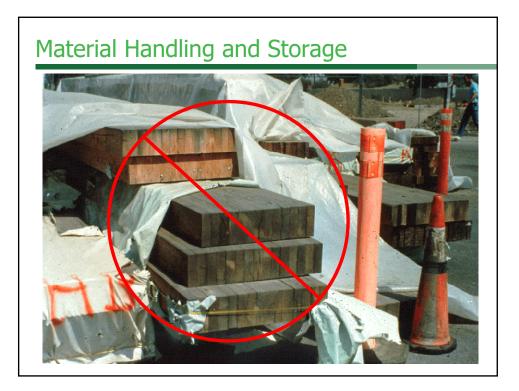














Weather Protection

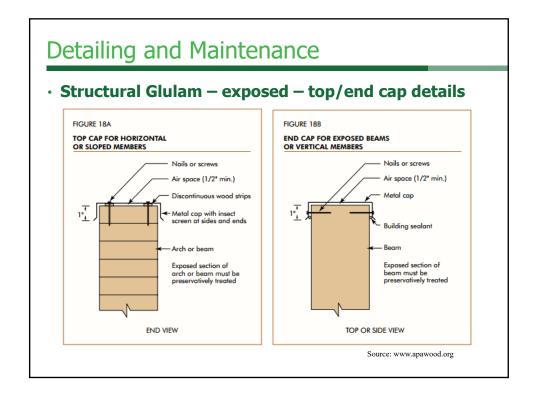
- Close-in as quickly as possible
 - Roof coverings
 - Building envelope



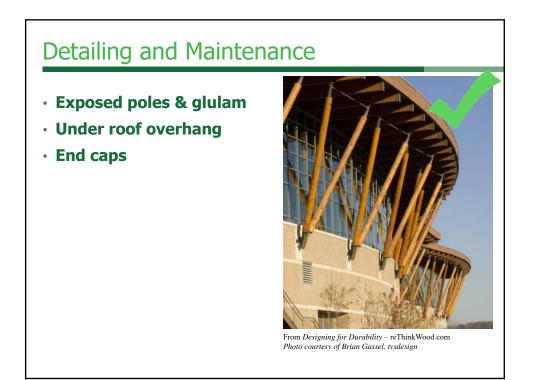
From Designing for Durability – reThinkWood.com Photo courtesy of Togawa Smith Martin, Inc.

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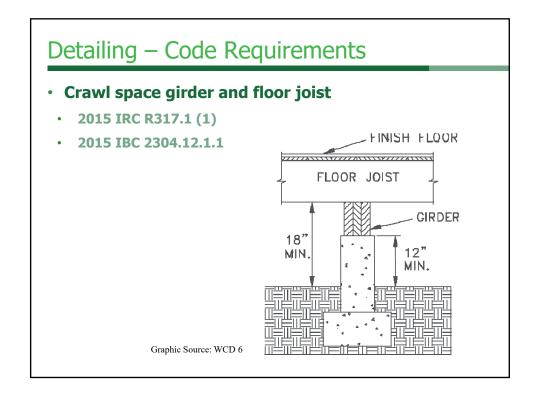


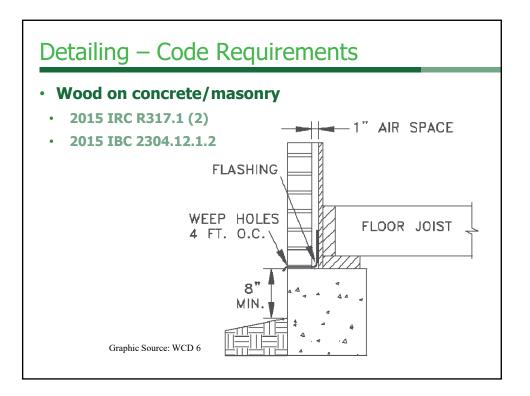


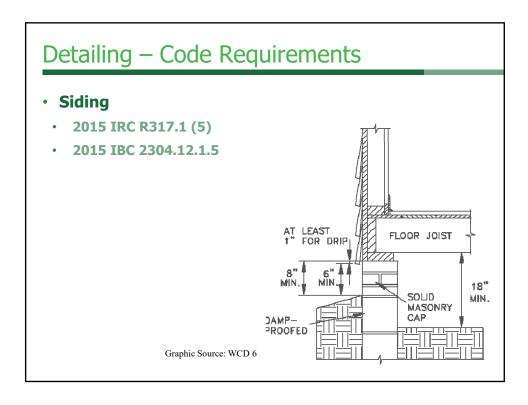


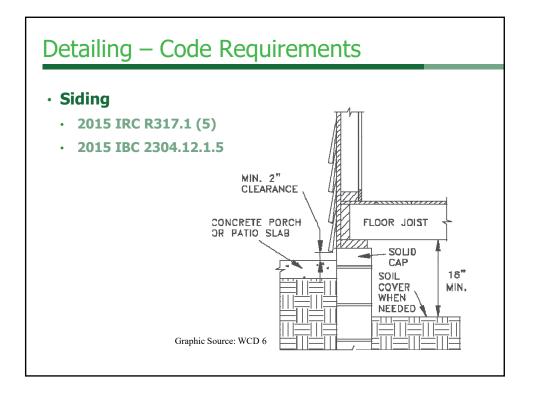


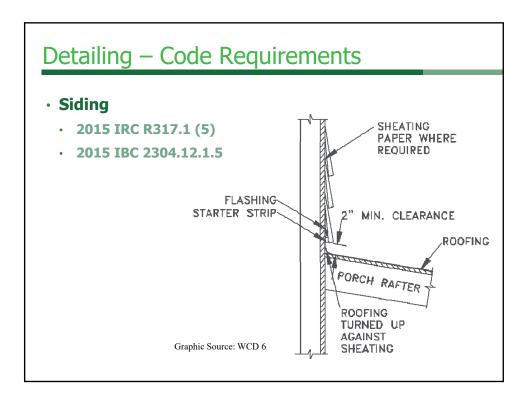


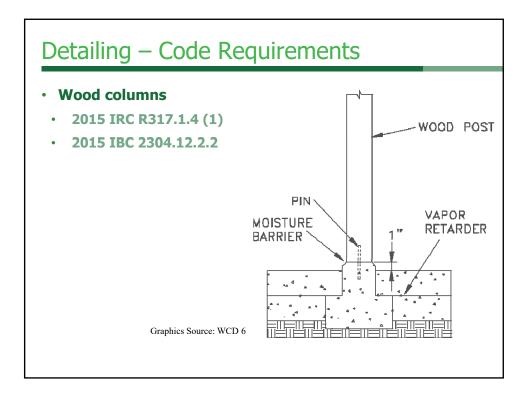


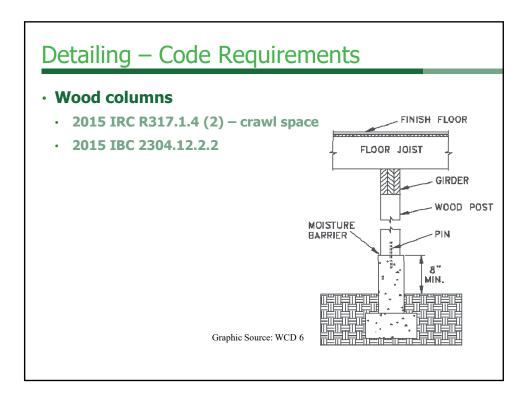


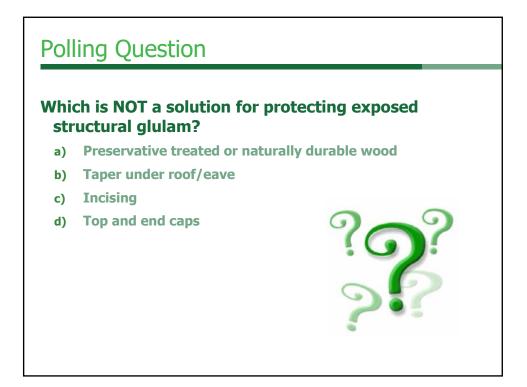












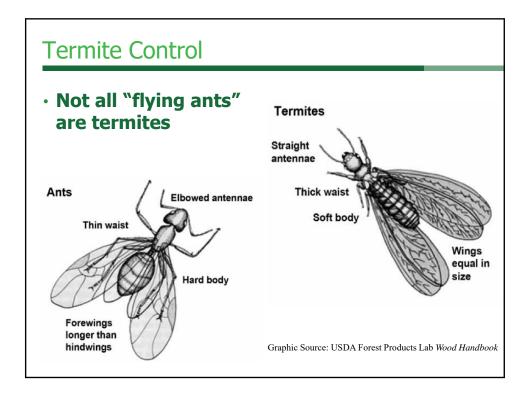


Termite Control

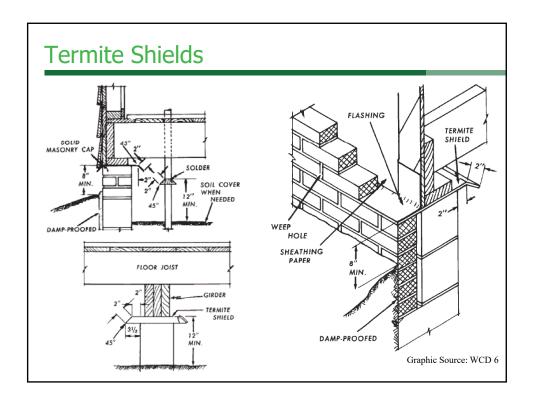
- Preservative treated wood
- Shields
- Chemical treatment
- Concrete foundations
- Concrete caps
- Inspection



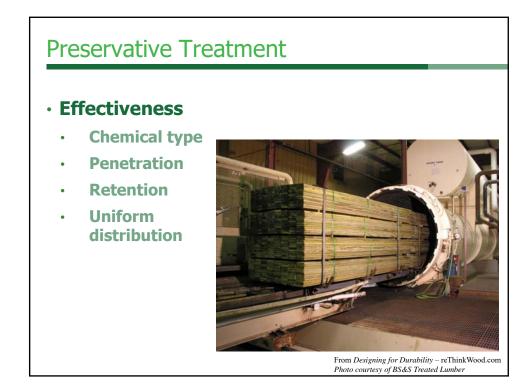
Graphic Source: www.cwc.ca

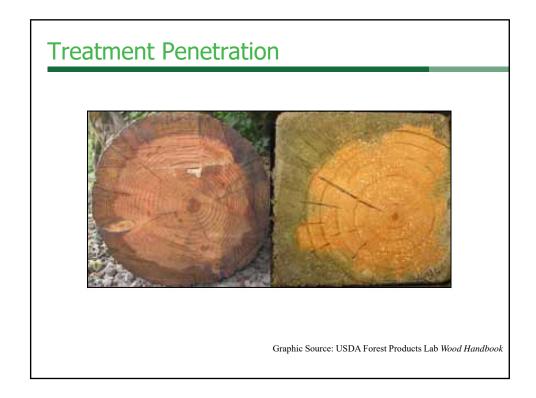


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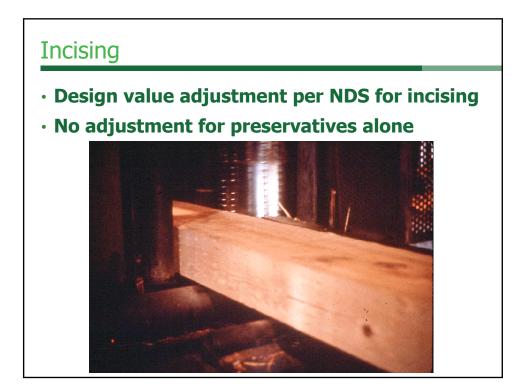






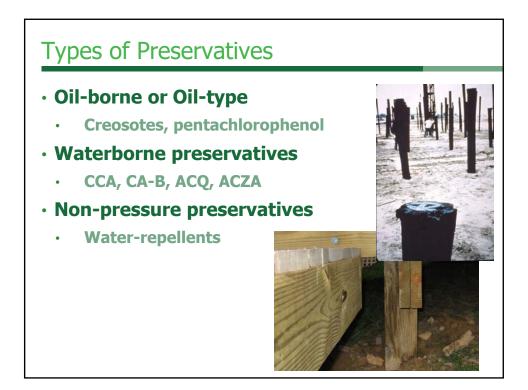


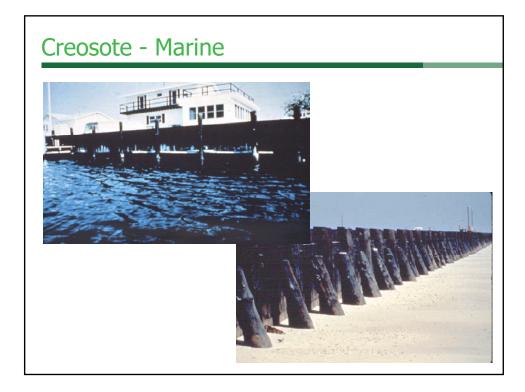


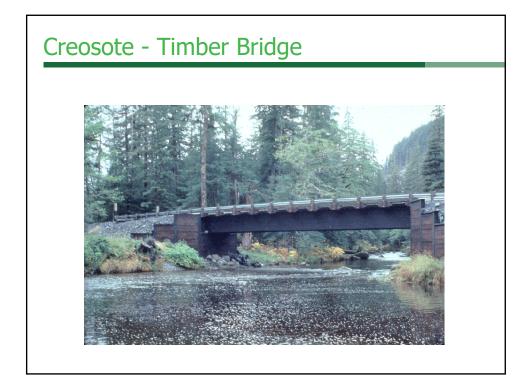


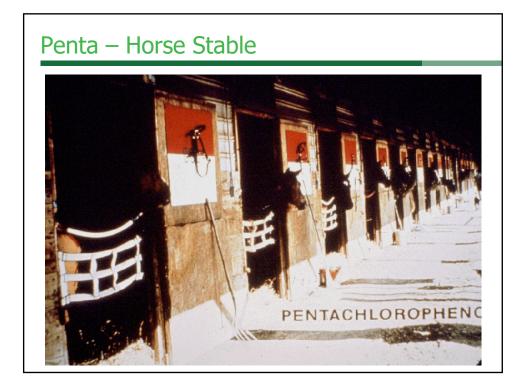


TREATING STANDARDS								
APPLICATION	RETENTION LBS./CU. FT.			AWPA USE CATEGORY STANDARDS				
	ACQ/ACZA	CA-C	DOT	FOR STRUCTURAL APPLICATIONS				
Above Ground	0.25	0.06	N/A	UC1, UC2, UC3A, UC3B				
Ground Contact, Fresh Water Immersion	0.40	0.15	N/A	UC4A, UC4B				
In Ground (Structural)	0.60	0.31	N/A	UC4B				
Above Ground, Continuously Protected from Liquid Water (Sillplate)	0.25	0.06	0.25	UC1, UC2				

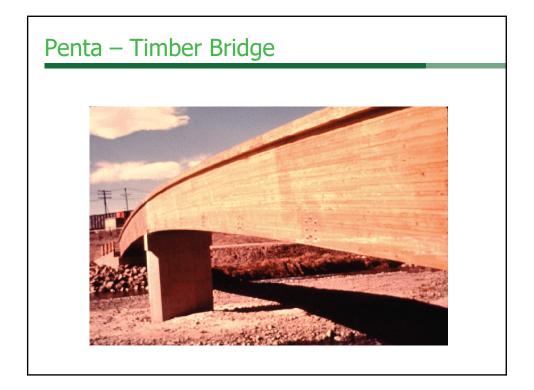


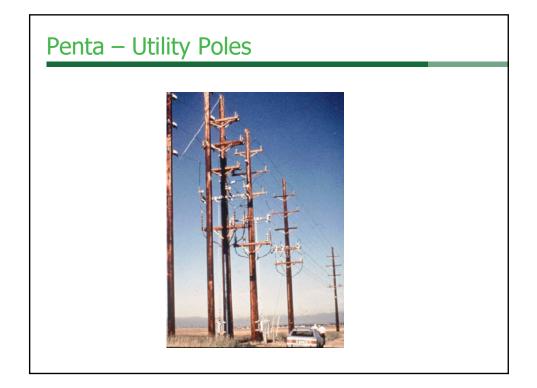


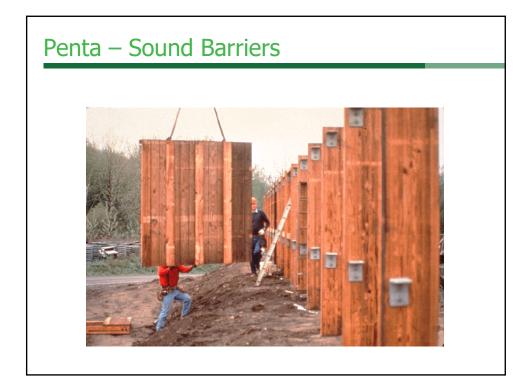


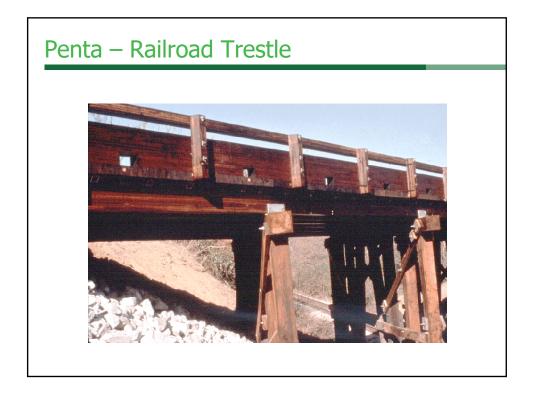


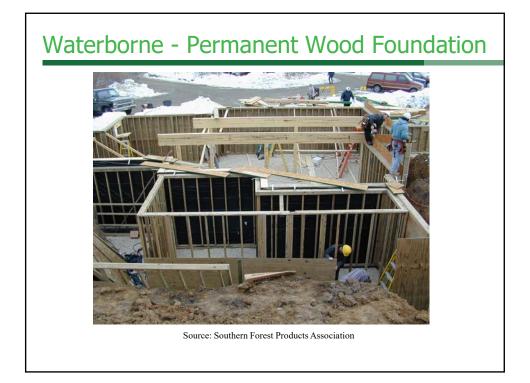
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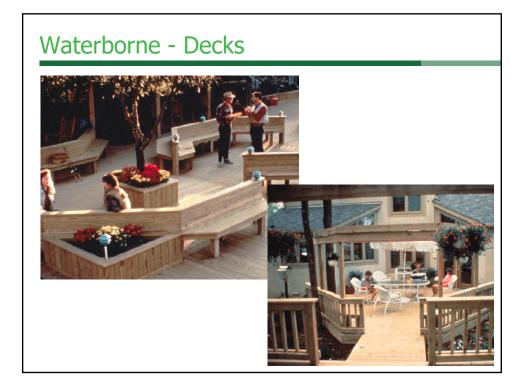








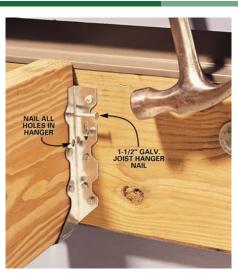


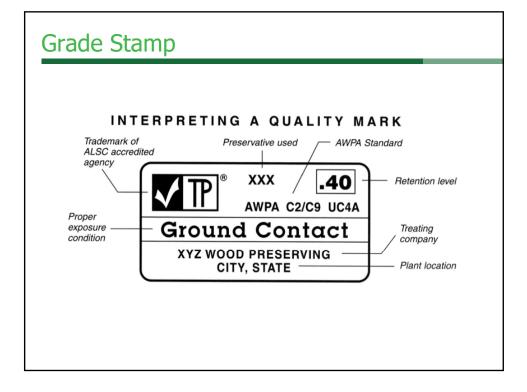


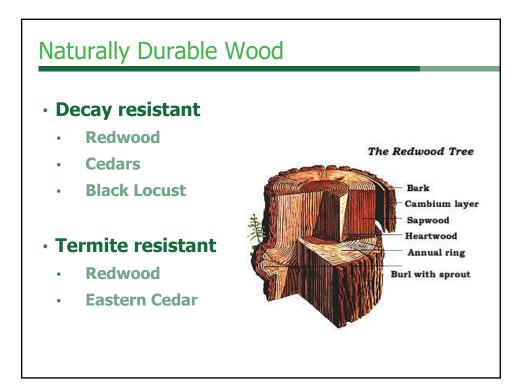
Waterborne - Fastener Corrosion

Corrosion Resistance

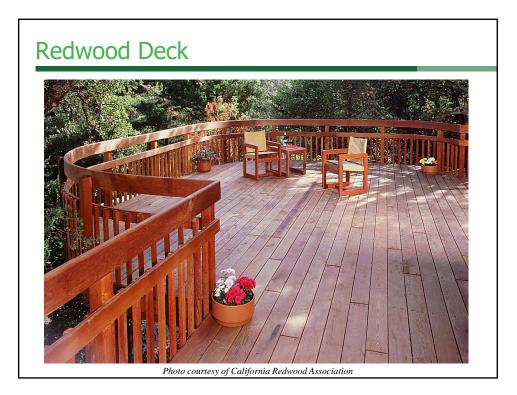
- 2015 IRC R317.3
- 2015 IBC 2304.10.5
 - Screws, bolts, nails
 - Hot-dipped galvanized
 - Stainless
 - Silicon bronze
 - Copper
 - Hangers and anchors
 - Galvanized
 - Stainless
- Saltwater exposure
- Stainless

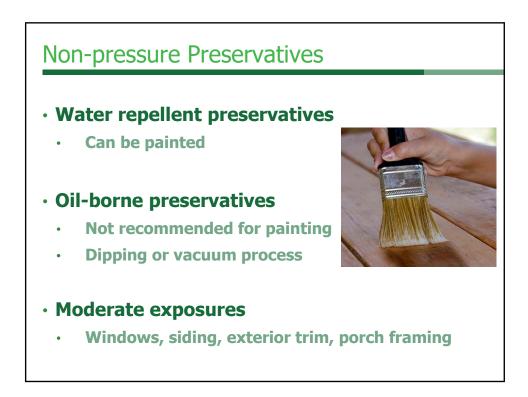












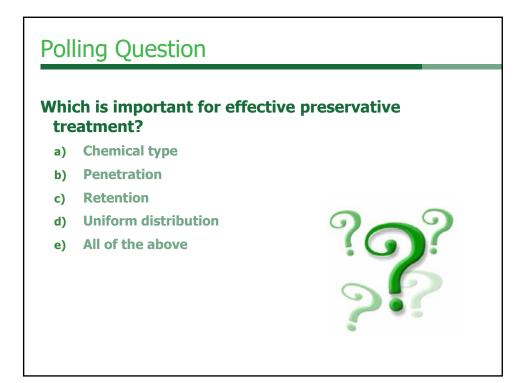
Non-pressure Preservatives

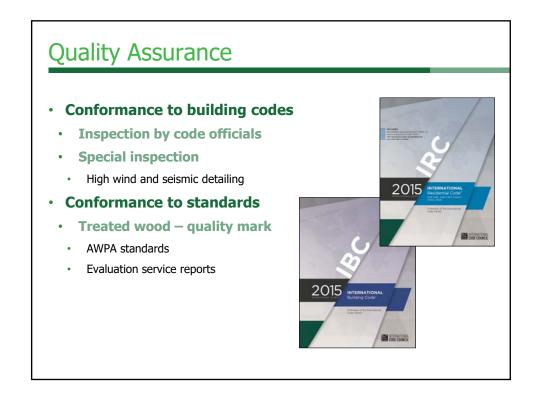
Water repellent preservatives

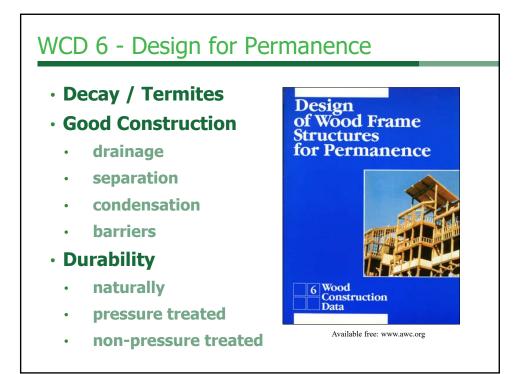
Table 16-5. Initial application and maintenance of exterior wood finishes^a

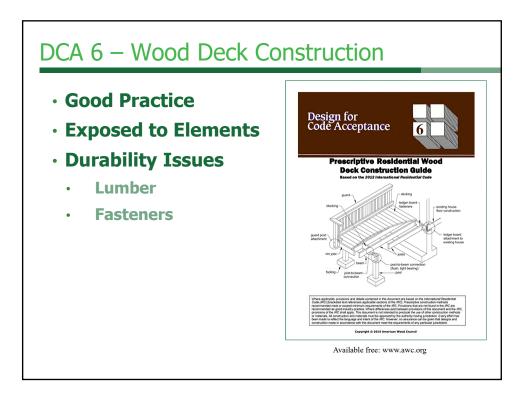
			Maintenance		
Finish	Application process	Appearance of wood	Process	Service life ^b	
Water-repellent preservative (WRP)	Brush-apply 1 coat or dip. Apply a second coat only if it will absorb.	Grain visible; wood tan to brown, fades to gray with age	Brush to remove surface dirt; wash to remove mildew	1-3 years	
Tinted clear finish (slightly pigmented deck finish)	Brush-apply 1 coat or dip. Apply a second coat only if it will absorb.	Grain and natural color slightly changed	Same as with WRP	2-3 years	
Semitransparent stain	Brush-apply 1 coat or dip. Apply a second coat only if it will absorb.	Grain visible; color as desired	Same as with WRP	4–8 years (on saw-textured or weathered wood)	
Paint and solid-color stain	Brush-, roller-, or spray- apply primer and 2 top-coats	Grain and natural color obscured	Clean and apply topcoat if old finish is sound; if not sound, remove peeled finish, prime, and apply topcoats ^d	10–20 years for paint ^c ; 6–15 years for solid- color stain ^e	

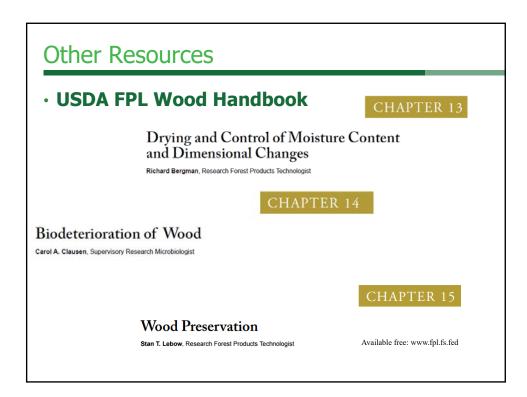


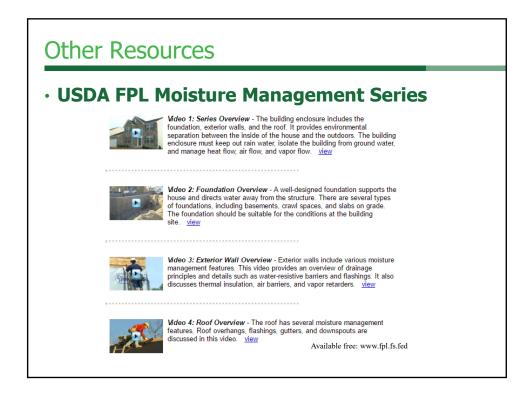




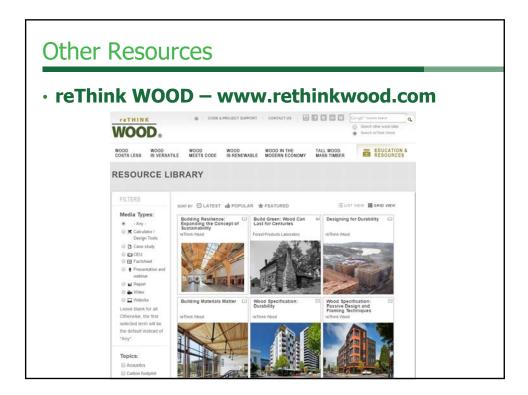


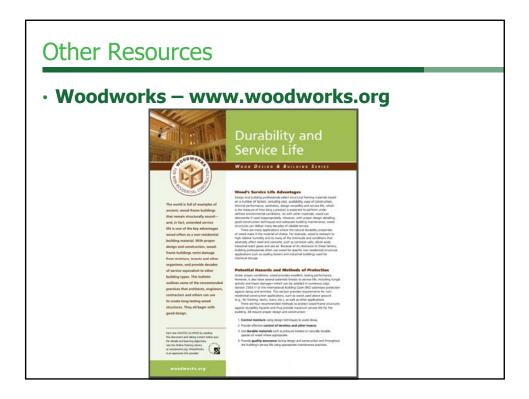














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