

4700000 – Response To Comments From Industry Review

David A. Sadler, P.E.
State Construction Engineer

Comment

Ok with language as written. Only question I have is CCA treatment still allowed? I know it still exists but I thought that it was not allowed except for agricultural use.

Response: Yes, specification 955-2 allows the use of CCA. For salt and brackish water other preservatives are not effective.

Action: No change is required

Van Hogan
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Comment:

Looks better to me. If adopted, this specification should eliminate some of the uncertainty surrounding the proper fasteners to use with the new preservative treatments. The update on treating bolts holes was nice to see too.

Response: Thanks for the comment.

Action: No change is required

David Reser
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Comment:

I do not believe allowing the contractor to bore bolt holes without treating the interior of the bore hole is a good idea. I have inspected timber structures for 20 years, and have found that bolt hole locations are a common place where internal decay begins. I would recommend that the requirement to treat the interior of the bore hole remain in the specification. An excerpt from the USDA Forest Service specification could be utilized to cover this, and other penetrations of the protective preservative treatment:

“For timbers originally treated with pentachlorophenol, creosote, creosote solutions, or waterborne preservatives, field treat all cuts, abrasions, bolt holes, and recesses that occur after treatment with two liberal applications of a compatible preservative in accordance with the requirements specified in AWP standard M4, Standard for the Care of Pressure-Treated Wood Products”.

Response: Thanks for the comment and suggestion.

Action: The suggested language will be included in the modified specification.

Rodney G. Powers
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Comment

Consider developing a table for 470-12.2.
In narrative form it is very difficult to read and interpret.

Response: Thanks for the comment.

Action: The specification 470-12.2 will be modified by replacing narrative with a Table as shown below:

Section 470-12.2 CCA, ACQ-D and CA-B Treated Wood Structures
Use the fasteners and connectors as described in the following table:

TABLE - HARDWARE REQUIREMENTS FOR TREATED TIMBER		
Environmental condition where structure will be located	Fasteners	Connectors
Permanent wood foundations and/or where salt spray if prevalent	304 or 316 Stainless Steel	304 or 316 Stainless Steel
Structures that will be exposed to standing water or rainwater	304 or 316 Stainless Steel	304 or 316 Stainless Steel
Structures that will be situated indoors and remain dry in service	304 or 316 Stainless Steel	304 or 316 Stainless Steel
	Hot-dipped galvanized fasteners meeting ASTM A153 requirements	Hot-dipped galvanized connectors meeting the requirements of ASTM A653 Class G185 sheet or better
Note: Do not use aluminum in direct contact with treated wood.		

Jorge A Rodriguez
District Structural Design Engineer
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Comment

On 470-12.2, is the phrase "**treated wood**" acceptable as interchangeable with "**treated timber**"?

Response: Thanks for the comment and suggestion. Timber is usually used for the sawn wood, which in most cases used for the structures.

Action: The word "wood" will be replaced with "timber" in the modified specification, as suggested.

Christopher P. Wood

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Comment:

In section 5 of the 470 specification. "The contractor may bore holes in the Field." The word bore should be revised to say "drill".

Response: Thanks for the comment and suggestion. Bore is used by American Wood Preservers' Association, Inc., which is the same as drill.

Action: The word "bore" will be replaced with "drill" in the modified specification, as suggested.
