### AGRICULTURE, FARM

#### Structural Members

- Round posts (<16’): 4B, B, 0.60, 4.2, 9.6
- Round poles: 4B, D, 0.60, 4.2, 9.6
- Sawn poles and posts: 4B, A, 0.60, 4.2, 8.0

#### Posts, Fence (<16’)

- Round, half & quarter round: 4A, B, 0.40, 4.1, 6.4
- Sawn four sides: 4A, A, 0.40, 4.1, 6.4

### CROSSTIES

Listed pines, Doug fir, hardwoods: 4A, C, 0.40, 4.1, 4.2, 6.4

### LUMBER & TIMBERS

#### Floor plate
- 2, A, 0.25, 3.2, 4.0

#### Ground contact and fresh water use
- 4A, A, 0.40, 4.1, 6.4

#### Sawn timbers supporting resdstl & coml structures
- 4B, 4C, A (4.8), 0.80, 4.2, 8.0

#### Salt water splash
- 4B, 4C, A, 0.60, 4.1, 6.4

#### Subject to tides, waves or in salt water — severe
- 5B, 5C, G, 2.50, NA, NA

#### Subject to tides, waves or in salt water — northern
- 5A, G, 1.90, 5A, 30.0

### PERMANENT WOOD FOUNDATION

Lumber & plywood (KDAT required): 4B, A (4.2), 0.60, 4.2, 8.0

### BUILDING CONSTRUCTION, MARINE AND FRESHWATER

#### Plywood

- Sub-floor, damp above ground: 2, F, 0.25, 2, 4.0
- Exterior, above ground: 3B, F, 0.25, 3.2, 4.0
- Ground contact and fresh water use: 4A, F, 0.40, 4.1, 6.4
- Salt water splash: 4B, F, 0.60, 4.1, 6.4
- Subject to tides, waves or in salt water
  - 5B, 5C, G, 2.50, 5A, 30.0

#### Piling

- Round piling, marine – severe exposure
  - 5B, 5C, G, 2.50, NA, NA
- Round piling, marine – northern waters
  - 5A, G, 1.50, 5A, 30.0
- Round piling – land & fresh water (Douglas fir)
  - 4C, E, 1.00, 4.2, 12.0

#### Poles, Building

- Round – structural: 4B, B (4.4.1), 0.60, 4.2, 9.6
- Sawn – structural: 4B, A, 0.60, 4.2, 8.0

### GLUE-LAMINATED MEMBERS, DOUGLAS FIR (TREATED AFTER GLUING)

#### Above ground – interior/exterior
- 1, 2, 3B, F, 0.30, 1, 2, 3.2, NA

#### Ground contact & fresh water use
- 4A, 4B, 4C, F, 0.60, 4.1, 4.2, NA

### POLES, UTILITY

#### Lumber & Timbers

- 4A, 4B, 4C, D, 0.60, 4.1, 4.2, 9.6

### HIGHWAY MATERIAL

#### Lumber & Timbers

Lumber and timbers for bridges, structural members, decking, cribbing, & culverts: 4C, A (4.3.1), 0.60, 4.2, 8.0

#### Structural Posts & Timbers

- Round, half round, quarter round
  - 4B, B, 0.50, 4.2, 9.6
- Sawn: 4C, A, 0.60, 4.2, 8.0

#### Posts, Guardrail

- Round: 4B, B, 0.50, 4.2, 9.6
- Sawn: 4B, A, 0.60, 4.2, 8.0

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1. An Inner Zone requirement (0.30 pcf) exists for Douglas fir.
2. In 5B and 5C applications where *Sphaeroma terreans*, *Limnoria tripunctata*, and *Toredo pholadis* are present, dual treatment is recommended: for solid sawn wood — 1.50 pcf ACZA followed by 20 pcf creosote, and for round piling — 1.00 pcf ACZA followed by 20 pcf creosote.
3. Northern waters defined as Long Island (NY) and northward on the East Coast and north of San Francisco on the West Coast.
4. Doug fir and other western species not recommended for half-round and quarter-round posts.

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**Notes:**

- **NA** = Not in Standard. Cannot use.
- For sensitive environments, specify material treated in compliance with Best Management Practices.
- This table is meant as a guide. See the most recent AWPA standard for details prior to specification.

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