

## PART 1 - GENERAL

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| <u>1.1 RELATED SECTIONS</u>        | .1 | Section 01 74 21 - Construction/Demolition Waste Management And Disposal.  |
|                                    | .2 | Section 06 05 73 - Wood Treatment.   |
|                                    | .3 | Section 06 10 10 - Timber Floating Wavebreaks  |
| <u>1.2 REFERENCES</u>              | .1 | Canadian Standards Association (CSA)<br>.1 CAN/CSA-G164-M92 (R1998), Hot Dip Galvanizing of Irregularly Shaped Articles.<br>.2 CAN/CSA-0141-91 (R1999), Softwood Lumber. |
|                                    | .2 | National Lumber Grades Authority (NLGA)<br>.1 Standard Grading Rules for Canadian Lumber 2000.   |
| <u>1.3 QUALITY ASSURANCE</u>       | .1 | Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.   |
| <u>1.4 MEASUREMENT FOR PAYMENT</u> | .1 | No separate payment will be made under this section. Include all costs in bid item located in Section 35 51 24, Floating Wavebreak Installations.                        |

## PART 2 - PRODUCTS

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| <u>2.1 MATERIALS</u> | .1 | Use timber grade and stamped in accordance with applicable grading rules and standards of Associations or Agencies approved to grade lumber by Canadian Lumber Standards Administration Board of CSA. |
|                      | .2 | Species:<br>.1 Pacific Coast Hemlock, Douglas Fir, or Eastern Hemlock(CCA Treated).<br>.2 Grade: No. 1 Structural Grade with maximum of 20%   |

of a lesser grade.

.3 Grading Authority: NLGA

## 2.2 WOOD PRESERVATIVE

- .1 In accordance with Section 06 05 73.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- .1 Comply with requirements of NBC 1995, Part 9 supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Construct continuous members from pieces of longest practical length.
- .4 Install spanning members with "crown-edge" up.
- .5 Install fasteners in accordance with Section 05 50 00.
- .6 Do installation of dimension timber to CSA 086-M83.
- .7 Precut timber prior to preservative treatment.

### 3.2 FIELD CUTTING TREATED TIMBER

- .1 Field cuts are to be minimal to suit field conditions. Follow best practices by cutting and field preserving treated timber in one location over a ground sheet and collect all saw dust, scraps and drippings for disposal at an approved disposal site.
- .2 Treat, in field, cuts and damage to surface of treated material with an appropriate preservative as described in CSA 080 Series-97. Ensure that damaged areas such as abrasions, nail and spike holes are thoroughly saturated with field treatment solutions as per CSA 080 Series-97.
- .3 Treat bolt holes, cut-offs and field cuts in accordance with CSA 080 Series-97.

## PART 1 - GENERAL

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| <u>1.1 DESCRIPTION</u>                 | .1 | This section specifies the general requirements for the transportation and installation of two floating wavebreaks, to the location indicated on the plan.   |
| <u>1.2 RELATED WORK</u>                | .1 | Section 03 30 00 - Cast-in-Place Concrete  |
|  | .2 | Section 05 50 00 - Miscellaneous Metals  |
|  | .3 | Section 06 10 10 - Dimension Timber  |
| <u>1.3 MEASUREMENT<br/>FOR PAYMENT</u> | .1 | Payment for this section will be per unit as specified in Section 01 00 01 - Project Particulars and Measurements. This will include the furnishings, all equipment necessary for the complete supply and transportation of the floating wavebreaks, to the locations indicated on the plan. |
| <u>1.4 DELIVERY AND<br/>HANDLING</u>   | .1 | Protect floating wavebreaks from damage due to excessive bending stresses, impact, or other causes during handling.  |
|  | .2 | Repair or replace damaged floating wavebreak members to satisfaction of the Departmental Representative, at Contractor's expense.  |
|  | .3 | Protect public and construction personnel, adjacent structures and work of other sections from hazards attributable to handling and moving of new floating wavebreaks.   |

## PART 2 - PRODUCTS

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| <u>2.1 MATERIALS</u> | .1 | Not Applicable |
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PWGSC  
Harbour Improvements  
Stuarttown Wavebreaks  
Installations  
Stuarttown Wharf  
Deer Island, N. B.  
Project No. R.064466.001

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Floating Wavebreak  
Installations

Section 35 51 24  
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### PART 3 - EXECUTION

#### 3.1 INSTALLATION OF FLOATING WAVEBREAKS

- .1 Contractor is to transport floating wavebreaks to the installation area and place them as indicated on the plan.
  - .1 Including inter-float connections.
  - .2 Anchored to the reinforced concrete blocks.
- .2 Method of pickup and placing of floating wavebreaks in water is to be submitted as per Section 01 33 00, for the Departmental Representative's approval.
- .3 Any damage during launching is to be repaired and paid by the Contractor, at no additional cost to Canada.

#### 3.2 FLOATING WAVEBREAK ANCHORAGE

- .1 Floating wavebreaks are to be anchored with the specified reinforced concrete anchor blocks with chains and any other necessary components, to the location specified on the plan, or as directed by the Departmental Representative.