

## 1 General

### 1.1 RELATED SECTIONS

- .1 Section 07 52 00 - Modified Bituminous Membrane Roofing.

### 1.2 REFERENCES

- .1 American Society for Testing and Materials (ASTM)
  - .1 ASTM D1761-00, Standard Test Methods for Mechanical Fasteners in Wood.
- .2 Canadian Standards Association (CSA)
  - .1 CSA B111-1974, Wire Nails, Spikes and Staples
  - .2 CAN/CSA-G164-M92, Hot Dip Galvanizing of Irregularly Shaped Articles.
  - .3 CSA O112 Series-M1977, CSA Standards for Wood Adhesives.
  - .4 CSA O121-M1978, Douglas Fir Plywood.
  - .5 CAN/CSA-O141-91, Softwood Lumber.
- .3 National Lumber Grades Authority (NLGA)
  - .1 Standard Grading Rules for Canadian Lumber 2010.

### 1.3 QUALITY ASSURANCE

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.

### 1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 Collect and separate for disposal waste material generated by this Section.
- .2 Place in appropriate on-site bins in accordance with Waste Management Plan.

## 2 Products

### 2.1 FRAMING AND STRUCTURAL MATERIALS

- .1 Deck Material: Select Patio
  - .1 Characteristics on the reverse face to be Select Patio.
  - .2 Radius edges.
  - .3 Pressure treated natural, unfinished.
  - .4 Surfaced finish.
  - .5 32mm thick x 89mm wide.
  - .6 Characteristics permitted and limiting provisions shall be:
    - .1 Checks: medium.
    - .2 Heart Stain: firm.
    - .3 Holes: pin to small in size, equivalent to chipped knots.
    - .4 Manufacture: Standard "D".
    - .5 Pin Holes: limited.
    - .6 Pitch: light.
    - .7 Pitch Streak: 1 small.
    - .8 Pockets: bark - medium, pitch - small.
    - .9 Sapstain: medium.
    - .10 Shake: light - several along length, none through. If through at ends, limited to splits.
    - .11 Skip: very light, 1 per 2658mm. Light on reverse face and edges.
    - .12 Slope of Grain: 1 in 8.
    - .13 Splits: short.
    - .14 Wane: reverse face only, 1/2 the thickness and 1/3 the width.

- .15 Warp: light.
- .16 Knots: sound and tight are permitted in the following sizes, measurements: 100mm (nominal width), 38mm (knot sizes).
- .17 Spike & Narrow:
  - .1 Face Knots: limited to equivalent displacement.
  - .2 Chipped Knots: not to exceed 1/3 thickness, 2 per 3658mm.
  - .3 Allow 5% additional boards to replace boards that are not visually appealing or warped or have end checks.
- .2 Framing and board lumber: in accordance with NBC.
- .3 Blocking, nailing strips and sleepers:
  - .1 S4S is acceptable.
  - .2 Board sizes: "Standard" or better grade.
  - .3 Dimension sizes: "Standard" light framing or better grade.
  - .4 Post and timbers sizes: "Standard" or better grade.

## 2.2 ACCESSORIES

- .1 General purpose adhesive: to CSA O112 Series.
- .2 Nails, spikes and staples: to CSA B111.
  - .1 Use common spiral nails and spiral spikes except where indicated otherwise.
  - .2 Use hot galvanized finish steel for exterior work, including sheathing.
- .3 Star flathead screws for decking connection #9 x 75mm coated for use with pressure treated material, or equal.

## 2.3 WOOD PRESERVATIVE

- .1 Lumber and plywood: CCA vacuum pressure impregnated to CAN/CSA 080.1-M89 and CAN/CSA 080.9-M89, Spruce species. At all roof & parapet framing and where wood comes in contact with earth, concrete or masonry.
  - .1 Acceptable Material:
    - .1 Wolmanizing.

## 3 Execution

### 3.1 PREPARATION

- .1 Store wood products in dry environment.

### 3.2 BLOCKING & SLEEPERS

- .1 Fabricate as detailed and to CRCA recommendations except where specifically detailed otherwise.
- .2 Use pressure treated lumber and plywood throughout all external applications and as shown.
- .3 Apply two (2) coats of brush applied wood preservative to all end cuts of lumber and plywood.
- .4 Install wood framing and plywood sheathing at roof parapets, curbs, etc., as indicated in longest practical lengths.

### 3.3 WOOD DECKING

- .1 Install to pattern and spacing shown on drawings.
- .2 Do not install boards that have end splits.
- .3 Allow for 5% additional deck boards.

## End Of Section