

PART 1 GENERAL

1.1 RELATED REQUIREMENTS

Not applicable.

1.2 REFERENCE STANDARDS

- .1 Canadian Standards Association / CSA International
 - .1 CSA-A23.1/A23.2-04, Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete.
 - .2 CSA-O86S1-05, Supplement No. 1 to CSA-O86-01, Engineering Design in Wood.
 - .3 CSA O121-M1978(R2003), Douglas Fir Plywood.
 - .4 CSA O151-04, Canadian Softwood Plywood.
 - .5 CSA O153-M1980(R2003), Poplar Plywood.
 - .6 CSA-O325.0-92(R2003), Construction Sheathing.
 - .7 CSA O437 Series-93(R2006), Standards for OSB and Waferboard.
 - .8 CSA-S269.3-M92(R2003), Concrete Formwork, National Standard of Canada.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit the documents and samples required in accordance with Section 01 33 00—Submittal Procedures.
- .2 Submit MSDS—Material Safety Data Sheets to WHMIS in accordance with Section 02 81 01—Hazardous Materials.

1.4 DELIVERY, STORAGE, AND HANDLING

Non applicable.

PART 2 PRODUCT

2.1 MATERIALS

- .1 Formwork materials:
 - .1 For concrete without special architectural features, use wood and wood product formwork materials according to CSA-O121 and CSA-O86 standards.
 - .2 For concrete with special architectural features, use formwork materials according to CSA-A23.1/A23.2 standard.
- .2 Form ties:
 - .1 For Architectural concrete, use snap ties complete with plastic cones and light grey concrete plugs.

- .3 Form liner:
 - .1 Plywood: Canadian Softwood Plywood according to CSA-O151 high density overlay square edge.
- .4 Form release agent: biodegradable, low VOC, and non-toxic.

PART 3 EXECUTION

3.1 FABRICATION AND ERECTION

- .1 Do not place shores and mud sills on frozen ground.
- .2 Provide site drainage to prevent washout of soil supporting mud sills and shores.
- .3 Fabricate and erect formwork in accordance with CSA-S269.3 to produce finished concrete conforming to shape, dimensions, locations, and levels indicated within tolerances required by CSA-A23.1/A23.2.
- .4 Align form joints and make watertight.
 - .1 Keep form joints to minimum.
- .5 Use 25 mm chamfer strips on external corners and/or 25 mm fillets at interior corners of the joints, unless specified otherwise.
- .6 Form chases, slots, openings, drips, recesses, as well as expansion and control joints as indicated.
- .7 Clean formwork in accordance with CSA-A23.1/A23.2, before placing concrete.

3.2 REMOVAL AND RESHORING

- .1 Leave formwork in place for a minimum of 24 hours after placing concrete.
- .2 Re-use formwork and falsework subject to requirements of CSA-A23.1/A23.2.

END OF SECTION