

NATIONAL BUILDING CODE

CONFORMING ASSEMBLY EXAMPLES

GUIDE TO DRAWINGS

ABOVE GRADE WALL ASSEMBLIES	
2X6 WALL SYSTEM* – fiberglass insulation, cellulose insulation	Page 1
2x6 WALL SYSTEM* – low density foam, high density foam	Page 2
2x6 WALL SYSTEM – fiberglass insulation, 2x3 strapping	Page 3
2x6 WALL SYSTEM – roxul insulation/fiberglass insulation, 2x3 strapping	Page 4
2x6 WALL SYSTEM – cellulose insulation/fiberglass insulation, 2x3 strapping	Page 5
2x6 WALL SYSTEM – low density foam/fiberglass insulation, 2x3 strapping	Page 6
2x6 WALL SYSTEM – high density foam/fiberglass, 2x3 strapping	Page 7
2x8 WALL SYSTEM – fiberglass insulation	Page 8
2x8 WALL SYSTEM – cellulose insulation	Page 9
2x8 WALL SYSTEM – low density spray foam, high density spray foam	Page 10
2x4 STAGGERED STUD WALL SYSTEM – fiberglass insulation, roxul insulation	Page 11
2x4 STAGGERED STUD WALL SYSTEM – cellulose insulation	Page 12
2x4 STAGGERED STUD WALL SYSTEM – low density spray foam, high density spray foam	Page 13
2x4 WALL SYSTEM – sheet foam/fiberglass, sheet foam/roxul	Page 14
2x4 WALL SYSTEM – sheet foam/cellulose	Page 15
2x4 WALL SYSTEM – sheet foam/low density spray foam, sheet foam/high density spray foam	Page 16
2x4 WALL SYSTEM & Larson truss – fiberglass insulation, cellulose insulation, low density foam	Page 16A
2x4 WALL SYSTEM & Larson truss – w/high density foam as vapor barrier, fiberglass insulation, cellulose insulation, low density foam	Page 16B
BELOW GRADE WALL ASSEMBLIES	
2X6 PWF WALL SYSTEM – fiberglass insulation, roxul insulation, 2x3 strapping	Page 17
2x6 PWF WALL SYSTEM – sheet foam/fiberglass, sheet foam/cellulose	Page 18
2x6 PWF WALL SYSTEM – sheet foam/low density spray foam, sheet foam/high density spray foam	Page 19
2x8 PWF WALL SYSTEM - fiberglass insulation, roxul insulation	Page 19A
2X6 PWF WALL SYSTEM – SUPSENDED FLOOR– fiberglass insulation, 2X4 support wall & 2X3 strapping, sheet foam on ground; CONCRETE FLOOR fiberglass insulation, 2x3 strapping, sheet foam on ground	Page 20
ICF WALL SYSTEM – BELOW AND ABOVE GRADE - 2X4 support wall & 2X3 strapping, sheet foam on ground	Page 21

NATIONAL BUILDING CODE

CONFORMING ASSEMBLY EXAMPLES

CEILING ASSEMBLIES	
CEILING ASSEMBLY – cellulose loose fill insulation	Page 22
CEILING ASSEMBLY – fiberglass batt with loose fill over	Page 23
CEILING ASSEMBLY – CATHEDRAL CEILING – fiberglass with foam board under	Page 24
CEILING ASSEMBLY – CATHEDRAL CEILING – high density spray foam with foam board under	Page 25
CEILING ASSEMBLY – CATHEDRAL CEILING – low density spray foam with foam board under	Page 26
FLOOR ASSEMBLY OVER UNHEATED SPACES – fiberglass insulation	Page 27
RIM JOIST ASSEMBLIES	
RIM JOIST SPACES – fiberglass and sheet foam, sheet foam alone	Page 28
RIM JOIST SPACES – low density foam, high density foam	Page 29
MONOLITHIC SLAB ASSEMBLIES	
MONOLITHIC SLAB FOR ZONE 8 – 5 ½” closed cell foam	Page 30
MONOLITHIC SLAB FOR ZONE 7B and 8 (w/heat recovery) – 4 ½” closed cell foam	Page 31
MONOLITHIC SLAB FOR ZONE 7B (w/heat recovery) – 4 “ closed cell foam	Page 32

***Note:** A Heat Recovery Ventilator is, or may be required, for assemblies on this page to satisfy the National Energy Code for Buildings.

A Heat Recovery Ventilator is required in all cases in the City of Whitehorse to comply with the City of Whitehorse, 2010 Building Bylaw.