

## Wall Assembly Specifications

### (All walls read from conditioned to unconditioned/exterior space)

#### Above Grade Wall Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x4 and 2x6 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt
- 1/2" Plywood Sheathing
- Tyvek Sheathing Membrane with penetrations detailed with Prosoco R-Guard Liquid Applied Membrane (WRB and AB)
- 6" ROXUL ComfortBoard IS Mineral Wool Insulation (two 3" Layers with seams staggered)
- 3/4" x 4" Pressure Treated Plywood Furring Strips 16" O.C. (Capillary Break - Rainscreen)
- Light Weight Horizontal Wood Strip or Composite Wood Panel Cladding (Water Shedding Surface)

#### Exterior Garage Wall Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x4 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt
- 1/2" Plywood Sheathing
- Tyvek Sheathing Membrane with penetrations detailed with Prosoco R-Guard Liquid Applied Membrane (WRB)
- 3/4" x 3" Pressure Treated Plywood Furring Strips (Capillary Break - Rainscreen)
- Light Weight Horizontal Wood Strip or Composite Wood Panel Cladding (Water Shedding Surface)

#### Interior Garage Wall Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x4 & 2x6 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt
- 1/2" Plywood Sheathing
- Tyvek Sheathing Membrane with penetrations detailed with Prosoco R-Guard Liquid Applied Membrane (WRB and AB)
- 6" ROXUL ComfortBoard IS Mineral Wool Insulation (two 3" Layers with seams staggered)
- 3/4" x 3" Pressure Treated Plywood Furring Strips 16" O.C. (Allows attachment of Drywall)
- Drywall with permeable latex paint

#### Below Grade Exterior Wall Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x4 and 2x6 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt (Non Load Bearing)
- 10" Durisol ICF with 6.65" Concrete Core (Reinforced per Engineers Specs)
- Torch-On SIPLAST (WRB/AB)
- 2.38" ROXUL DrainBoard
- Dimple Foundation Wrap (Delta Drain 6200 HiEx)
- Backfill

#### Basement Walkout Exterior Wall Assembly

- Drywall with VB Paint (Vapour Control Layer)
- 10" Durisol ICF with 6.65" Concrete Core (Reinforced per Engineers Specs)
- Torch-On SIPLAST (WRB/AB)
- 2-Layer 2.38" ROXUL DrainBoard
- 3/4" x 3" Pressure Treated Plywood Furring Strips (Capillary Break - Rainscreen)
- Light Weight Horizontal Wood Strip or Composite Wood Panel Cladding (Water Shedding Surface)

#### Exterior Cold Room Wall Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x4 and 2x6 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt (Non Load Bearing)
- 10" Durisol ICF with 6.65" Concrete Core (Reinforced per Engineers Specs)
- Torch-On SIPLAST (WRB/AB)
- 2.38" ROXUL DrainBoard
- Dimple Foundation Wrap (Delta Drain 6200 HiEx)
- Backfill/Concrete Stairs

#### Interior Cold Room Wall Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x4 and 2x6 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt (Non Load Bearing)
- 10" Durisol ICF with 6.65" Concrete Core (Reinforced per Engineers Specs)
- Tyvek Sheathing Membrane with penetrations detailed with Prosoco R-Guard Liquid Applied Membrane (WRB and AB)
- 2x4 Stud Wall 16" O.C. stuffed with ROXUL ComfortBatt (Non Load Bearing)
- Drywall with permeable latex paint

#### Interior Wall Assembly (Typ.)

- Drywall
- 2x4 and 2x6 Stud Wall 16" O.C. (2x6 utilized around plumbing waste drains and pocket doors)
- Drywall

#### Interior Wood Sheathed Braced Wall Panel

(West Library Wall and Wall in Basement below to fulfill Top Floor Set-back)

## Roof Assembly Specifications

### (All roof assemblies read from conditioned to unconditioned/exterior space)

#### Upper Roof Assembly (Typ.)

- Drywall with VB Paint (Vapour Control Layer)
- 2x2 Services Cavity
- 1/2" Plywood (sealed to create AB)
- 18" Wood Truss on 24" O.C. (2x6 Top Chord) infilled with 18" of ROXUL ComfortBatt
- 1x4 Cross Strapping (Forms cross cavity air flow due to height of insulation)
- 5/8" Plywood (Glued and Screwed)
- Fully adhered SopravapR (WRB)
- Ventilation and Drainage Matt (Enkadrain 3611R)
- Standing Seam Metal Roof (1.5" Standing Seam Minimum)

#### Office Roof Assembly

- Drywall with VB Paint (Vapour Control Layer)
- 2x2 Services Cavity
- 1/2" Plywood (Sealed to create AB)
- 18" Wood Truss on 24" O.C. (2x8 Top Chord) infilled with 18" of ROXUL ComfortBatt
- 1x4 Cross Strapping (Forms cross cavity air flow due to height of insulation)
- 5/8" Plywood (Glued and Screwed)
- Fully adhered SopravapR (WRB)
- Ventilation and Drainage Matt (Enkadrain 3611R)
- Standing Seam Metal Roof (1.5" Standing Seam Minimum)

#### Garage Roof Assembly

- Drywall with VB Paint (Vapour Control Layer)
- 16" Wood Truss on 24" O.C. (2x6 Top Chord) infilled with 5.5" of ROXUL ComfortBatt (R24)
- 5/8" Plywood (Glued and Screwed)
- Fully adhered SopravapR (WRB)
- Ventilation and Drainage Matt (Enkadrain 3611R)
- Standing Seam Metal Roof (1.5" Standing Seam Minimum)

## Floor Assembly Specifications

#### Above Grade Floor Assemblies

- 3/4" Hardwood/Engineered Wood/Tile/ Linoleum
- 3/4" Plywood (Glued and Screwed)
- 11 7/8" TriForce OpenJoist Floor Truss
- Drywall

\* First floor assembly to be insulated to prevent sound transmission.

#### Basement Slab Assembly

- Linoleum/Tile/Hardwood/Polished Concrete
- 4" Concrete Slab
- Sealed Poly Vapour/Air Barrier
- 2" Sub Slab EPS/XPS (Thickened to 4" for last 48" around foundation perimeter)
- Min 6" Compacted Granular Layer

No.	Date	Issue
A	September 22, 2013	For Comment
1	December 9, 2013	For Development Variance Permit
2	February 21, 2014	Issued for Building Permit Application



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Project Title		<h1>The Enclosure</h1>
Pemberton Heights, North Vancouver - British Columbia		
Drawing		<h1>A9</h1>
<h2>Assembly Specifications</h2>		
Scale:	No Scale	
Date:	February 21, 2014	
Drawn By:	SW	Dwg. #