Wall Section
Insulation Detail

- Asphalt shingles on roof sheathing
- Approved pre-engineered roof trusses or wood rafters (see plans)
- Use "H" clips if 24" spacing.

- Eave protection to extend from edge of roof to a min. 35" up the roof slope but not less than 12" beyond the interior face of exterior wall.

- Brick Veneer Wall
  - 4" face brick
  - 1" air space (min.)
  - Air Barrier System sealed or lapped
  - Exterior type wall sheathing
  - 2 x 6 wood studs @ 16" o.c.
  - Batt insulation (see note)
  - 6 mil Poly Vapour Barrier
  - Interstitial finish

- Flashing to extend up wood frame wall a min. 6" behind sheathing paper. Flashing to conform to Table 9.20.13.1 of the O.B.C.
- Provide weep hole min. 2"-7" apart

- Wood sill plate fastened to foundation wall w/ min. 1/2" dia. anchor bolts embedded min. 4" in concrete @ 2"-10" o.c. max. & provide caulk or gasket between plate and foundation wall.

- Surface Drainage must be Directed Away from Building

- Dampproofing & Parging
  - Bituminous Dampproofing on Min. 1/4" parging on Conc. Block Foundation walls.
  - Poured Concrete Walls to be damp-proofed shall have holes filled w/ cement mortar or damp-proofing material.
  - ICF walls to be damp-proofed shall be repaired and free of projections and depressions.

- Foundation Wall Drainage
  - Drainage shall be provided at the bottom of every foundation wall that contains the building interior. (9.14.2.1. of the O.B.C.)
  - 18" x 6" deep poured conc. footing, bearing on Undisturbed soil.
  - 4" dia. Perforated drain pipe c/w min. 6" stone cover

- Interior ceiling finish
  - 6 mil Poly Vapour Barrier
  - R50 Batt Insulation (Typ.)
- Carry min. R20 insulation to cover interior face of exterior wall.
- Maintain min. 2 1/2" air space between insulation and u/s of roof sheathing.

- Note:
  - Minimum RSI Values for the thermal insulation shall be determined by Energy Efficiency of building envelope and space heating equipment conforming to Supplementary Standard, SB-12, Section 2.1 of the Ontario Building Code.

- Floor finish by others
  - 5/8" T & G plywood subfloor
  - Floor joists (size & spacing as per plans submitted) c/w bridging & strapping
  - Acoustic Sealant

- Continuous header joist w/ min. R=24 Batt insulation.
  - Extend Vapour Barrier & Seal to joists and subfloor.

- Top Block Course filled w/ mortar or concrete.
  - Install a Low Vapour Permeance Membrane that terminates at grade.
  - Semi-Solid Block Course at or below grade level.
  - 2 x 4 wood strapping @ 16" o.c.
  - Batt insulation (see note)
  - 6 mil Poly Vapour Barrier

- All basement insulation should be installed from u/s of subfloor to the floor slab. A gap may be left at the base of the insulation, but not more than 200mm (8") above the floor slab.

- Poly Dampproofing Membrane under bottom base plate or pressured treated base plate.

- 4" Min. Course clean Granular material

- Min. 3" thick Basement Floor Slab
  - 15 Mpa (2200 psi) w/ Dampproofing
  - 25 Mpa (3600psi) without Dampproofing
Asphalt shingles on roof sheathing
Approved pre-engineered roof trusses or roof rafters (see plans)
Use "H" clips if 24" spacing.

Eave protection to extend from edge of roof a min. 35" up the roof slope but not less than 12" beyond the interior face of exterior wall.

**Brick Veneer Wall**
4" Face brick
1" Air space (min.)
Air Barrier System sealed or lapped
Exterior type wall sheathing
2 x 6 wood studs @ 16" o.c.
Batt insulation (see note)
6 mil Poly Vapour Barrier
Interior wall finish.

Flashing to extend up wood frame wall a min. 6" behind sheathing paper. Flashing to conform to Table 9.20.13.1. of the O.B.C.
Provide weep hole min. 2" - 7" apart.

Wood sill plate fastened to foundation wall w/ min. 1/2" dia. anchor bolts embedded min. 4" in concrete @ 7" - 10" o.c. max. & provide caulking or gasket between plate and foundation wall.

Surface Drains must be Directed Away from Building.

**Parging**
Min. 1/4" parging on Concrete Block

18" x 6" deep poured conc. footing, bearing on Undisturbed soil.

**Interior ceiling finish**
6 mil Poly Vapour Barrier
R50 Batt Insulation (Typ.)

**Acoustic Sealant**
Min. 3" thick Basement Floor Slab
15 Mpa (2200 psi) w/ Damproofing
25 Mpa (3600 psi) without Damproofing

Refer to Supplementary Standard SB-12 for Insulation requirements under Conc. Slab and Below Grade along Foundation Wall.

**4" Min. Course clean Granular material**

**Note:**
Minimum RSI-Values for the thermal insulation shall be determined by Energy Efficiency of building envelope and space heating equipment conforming with Supplementary Standard, SB-12, Section 2.1 of the Ontario Building Code.