

# Detailed Cross Section - Sample

Asphalt shingles on min. 5/8" plywood sheathing on approved roof trusses or wood rafters (see plans) use 'H'-clips if 24" O.C. spacing

Roof ventilation 1.300 of the insulated ceiling area uniformly distributed

Eave protection to extend from the edge of the roof, 56" up the slope but not less than 12" beyond the int. face of the exterior wall

Eavestrough, fascia board & vented soffit finish as per the elevations

Brick veneer wall 4" face brick 1" air space  
0.05" thick x 7/8" wide galvanized metal ties installed w/ galvanized spiral nails or screws 52" O.C. Horiz, 16" O.C. vert. sheathing paper w/ layers to overlap each other exterior type sheathing 2x6 wood studs - 16" O.C. R17 batt. insulation in cont. contact w/ sheathing continuous vapour/air barrier double plate - top sole plate - bottom interior wall finish

20 mil. poly flashing min. 6" up behind sheathing paper provide weep holes min. 2'-7" apart

Wood sill plate fastened to foundation wall w/ minimum 1/2" diameter anchor bolts embedded min. 4" in concrete 7'-10" O.C. Max. & provide caulking or basket between plate & foundation wall

Slope grade away from building face

Bituminous dampproofing on min. 1/4" parging on concrete block fnd. wall w/ parging covered over pored concrete footing

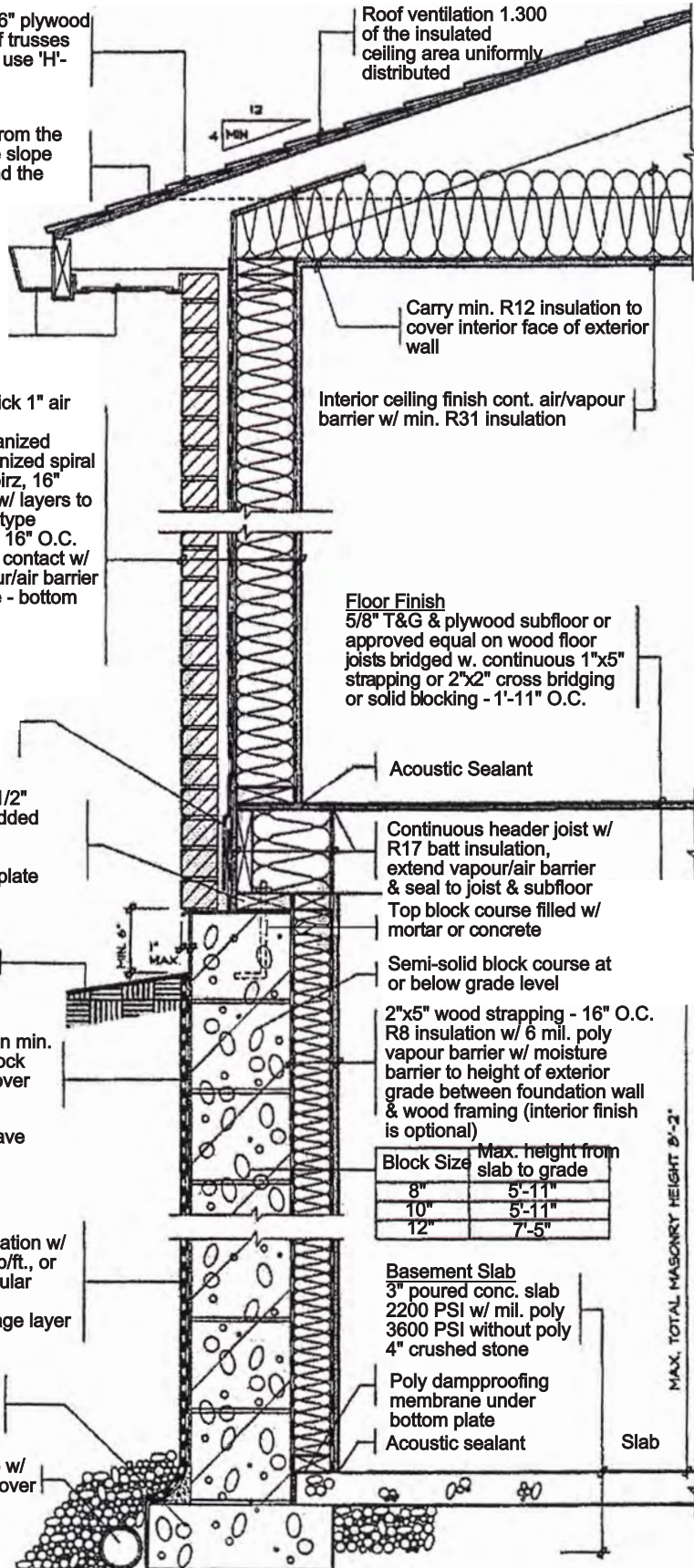
(poured concrete walls to have tie holes filled with cement mortar or dampproofing)

### Drainage Layer

- Min. 3/4" mineral fibre insulation w/ a density of not less than 3 lb./ft., or
- Min. 4" of free draining granular material, or
- A B.M.E.C approved drainage layer material

16" x 6" deep poured conc. ftg. (typical) footings to bear on undisturbed soil

4" dia. weeping tile w/ 6" crushed stone cover



Carry min. R12 insulation to cover interior face of exterior wall

Interior ceiling finish cont. air/vapour barrier w/ min. R31 insulation

### Floor Finish

5/8" T&G & plywood subfloor or approved equal on wood floor joists bridged w. continuous 1"x5" strapping or 2"x2" cross bridging or solid blocking - 1'-11" O.C.

Acoustic Sealant

Continuous header joist w/ R17 batt insulation, extend vapour/air barrier & seal to joist & subfloor  
Top block course filled w/ mortar or concrete

Semi-solid block course at or below grade level

2"x5" wood strapping - 16" O.C. R8 insulation w/ 6 mil. poly vapour barrier w/ moisture barrier to height of exterior grade between foundation wall & wood framing (interior finish is optional)

Block Size	Max. height from slab to grade
8"	5'-11"
10"	5'-11"
12"	7'-5"

### Basement Slab

3" poured conc. slab 2200 PSI w/ mil. poly 3600 PSI without poly 4" crushed stone

Poly dampproofing membrane under bottom plate  
Acoustic sealant

Slab

MAX. TOTAL MASONRY HEIGHT 8'-2"