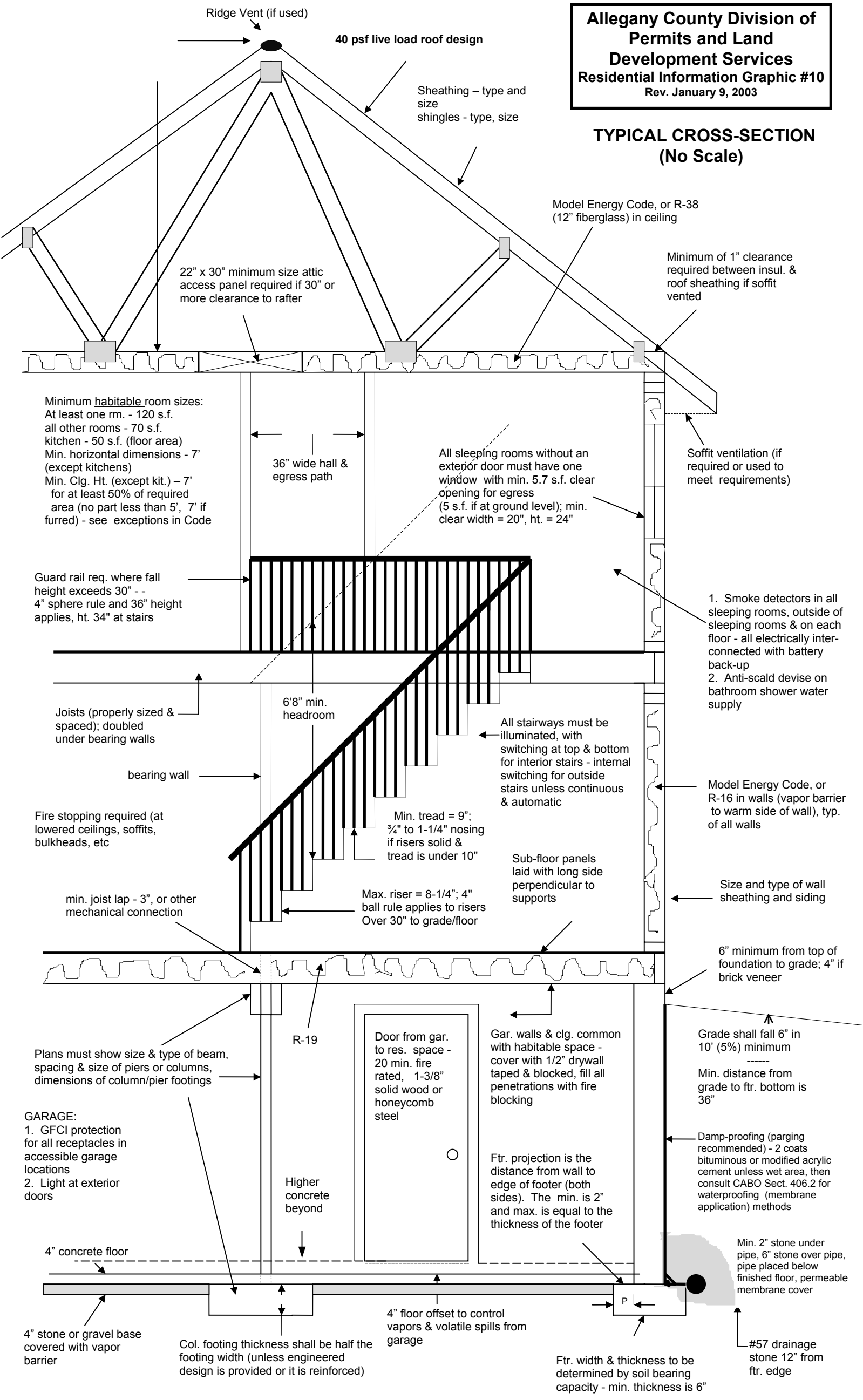


**TYPICAL CROSS-SECTION (No Scale)**



Ridge Vent (if used)

40 psf live load roof design

Sheathing – type and size  
 shingles - type, size

Model Energy Code, or R-38  
 (12" fiberglass) in ceiling

22" x 30" minimum size attic access panel required if 30" or more clearance to rafter

Minimum of 1" clearance required between insul. & roof sheathing if soffit vented

Minimum habitable room sizes:  
 At least one rm. - 120 s.f.  
 all other rooms - 70 s.f.  
 kitchen - 50 s.f. (floor area)  
 Min. horizontal dimensions - 7' (except kitchens)  
 Min. Clg. Ht. (except kit.) - 7' for at least 50% of required area (no part less than 5', 7' if furled) - see exceptions in Code

36" wide hall & egress path

All sleeping rooms without an exterior door must have one window with min. 5.7 s.f. clear opening for egress (5 s.f. if at ground level); min. clear width = 20", ht. = 24"

Soffit ventilation (if required or used to meet requirements)

Guard rail req. where fall height exceeds 30" - 4" sphere rule and 36" height applies, ht. 34" at stairs

1. Smoke detectors in all sleeping rooms, outside of sleeping rooms & on each floor - all electrically interconnected with battery back-up
2. Anti-scald devise on bathroom shower water supply

Joists (properly sized & spaced); doubled under bearing walls

6'8" min. headroom

All stairways must be illuminated, with switching at top & bottom for interior stairs - internal switching for outside stairs unless continuous & automatic

Model Energy Code, or R-16 in walls (vapor barrier to warm side of wall), typ. of all walls

Fire stopping required (at lowered ceilings, soffits, bulkheads, etc)

Min. tread = 9"; 3/4" to 1-1/4" nosing if risers solid & tread is under 10"

Sub-floor panels laid with long side perpendicular to supports

Size and type of wall sheathing and siding

min. joist lap - 3", or other mechanical connection

Max. riser = 8-1/4"; 4" ball rule applies to risers Over 30" to grade/floor

6" minimum from top of foundation to grade; 4" if brick veneer

Plans must show size & type of beam, spacing & size of piers or columns, dimensions of column/pier footings

R-19

Door from gar. to res. space - 20 min. fire rated, 1-3/8" solid wood or honeycomb steel

Gar. walls & clg. common with habitable space - cover with 1/2" drywall taped & blocked, fill all penetrations with fire blocking

Grade shall fall 6" in 10' (5%) minimum

Min. distance from grade to frt. bottom is 36"

- GARAGE:**
1. GFCI protection for all receptacles in accessible garage locations
  2. Light at exterior doors

Higher concrete beyond

Ftr. projection is the distance from wall to edge of footer (both sides). The min. is 2" and max. is equal to the thickness of the footer

Damp-proofing (paring recommended) - 2 coats bituminous or modified acrylic cement unless wet area, then consult CABO Sect. 406.2 for waterproofing (membrane application) methods

4" concrete floor

Min. 2" stone under pipe, 6" stone over pipe, pipe placed below finished floor, permeable membrane cover

4" stone or gravel base covered with vapor barrier

Col. footing thickness shall be half the footing width (unless engineered design is provided or it is reinforced)

4" floor offset to control vapors & volatile spills from garage

Ftr. width & thickness to be determined by soil bearing capacity - min. thickness is 6"

#57 drainage stone 12" from ftr. edge