VAPOR BARRIER
4'' CONC. SLAB W/ CONTROL JOINT
(4) #4 BARS - FOUNDATION WALL
R-10 INSULATION BOARD
ANCHOR BOLT @ 6' O.C.
1/2'' DRYWALL
ENGINEERED ROOF TRUSSES @ 24'' O.C.
DOUBLE 2 x 10 HEADER
R-15 INSULATION MIN.
STUD @ 16'' O.C.
R-19 VALUE AT BAND BOARD
3/4'' O.S.B. FLOOR
2 x 10 FLOOR JOIST 16'' O.C.
TREATED PLATE
ANCHOR BOLT @ 6' O.C.
R-10 INSULATION BOARD
(4) #4 BARS - FOUNDATION WALL
4'' CONC. SLAB W/ CONTROL JOINT
VAPOUR BARRIER

TYP. WALL SECTION

7/16'' O.S.B. SHEATHING W/ CLIPS
CLASS C SHINGLES W/ #15 FELT
ALUM. GUTTER
SOFFIT VENT.
VINYL SIDING
BRICK SILL
1/2'' SHEATHING
1'' AIRSPACE
BRICK VENEER
STONE OR SIDING
POLY FLASHING
GRADIENT
WALLS WITH 9' BACKFILL
1/2'' REBAR UPRIGHTS 4' O.C.
8' x 8'' FOUNDATION WALL
WATER PROOFING
DRAIN TILE
GRAVEL

ROOF VENTING
MONO-POUR (TYPICAL WALL SECTION)

- 2'' x 4'' STUDS @ 16'' O.C.
- R15
- VENTED SOFFITS
- WINDOW HEADERS
- 7/16'' OSB W/ CLIPS
- R38 MIN.
- 2'' x 8 RAFTERS 24'' O.C.
- 2'' x 8 CEILING JOISTS
- 2'' x 24'' STYROFOAM
- 4'' CONCRETE
- 4 MIL POLY
- 2'' x 4'' TREATED SILL PLATE W/ 1/2'' x 12'' LONG ANCHOR BOLTS 6' OFF CENTER
- GRADIENT
- 30'' MIN
- 16''
WARREN COUNTY, OH
BUILDING DEPARTMENT, 406 JUSTICE DR. LEBANON OH 45036
TYPICAL SLAB HOUSE WALL SECTION

Pre-engineered + manufactured Trusses 24" spacing max.
7/16" sheathing, use clips if spacing exceeds 16" RCO R602

Ridg vent or equal RCO R406

Roof Shingles  RCO R605.2

15# Felt Roof Underlayment with ice shield protection
RCO R605.2.7 & R605.2.7.1

2 of 2" x 4" Top Plates  
RCO R602.3.2

Vented Soffit  
RCO R608

Facia

R 38 Attic Insulation  
RCO R1102.1

1/2" Dry Wall

Vapor Barrier (usually on insulation) placed towards inside.

R.15  3 1/2" Wall Insulation  
RCO R1102.1

2" x 4" Wall Studs 16" on center  
For wider spacing obtain CBO approval RCO R602.3.1

Siding or brick

7/16" OSB sub-siding or wall bracing will be required RCO R602.10

Weather resistant exterior wall envelope RCO R703.2

4" Concrete slab  
RCO R506.1

Pressure treated Sill (Bottom) Plate  
RCO R602.3.4

6 mil Vapor Barrier  
RCO R506.2.3

Gravel bed 4" thick  
RCO R508.2.3

Insulation R-10 (2" styrofoam), 2' deep  
RCO R1102.1

Anchor Bolts 1/2" dia. 12" long, 12" from corners and every 6'
RCO R403/5

8" RCO 518

30" RCO R403.1.4.1

Footer 8" x 16"  
For smaller sizes obtain CBO approval RCO R403
WARREN COUNTY, OH
BUILDING DEPARTMENT, 406 JUSTICE DR. LEBANON OH 45036

TYPICAL CRAWL SPACE HOUSE WALL SECTION

Pre-engineered & manufactured Trusses 24" spacing max. 7/16" sheathing, use clips if spacing exceeds 16"

15# Felt Roof Underlayment with ice shield protection RCD R802.7 & R803.2.7.1

Vented Soffit RCD R806

R 38 Attic Insulation RCD R1102.1

R 15 - 3 1/2" Wall Insulation RCD R1102.1

2 of 2" x 4" Top Plates RCD R602.3.2

2" x 4" Wall Studs 16" on center
For wider spacing obtain CBO approval RCD R802.3.1

7/16" OSB sub-siding or wall bracing will be required RCD R802.10

Weather resistant exterior wall envelope RCD R703.2

1/2" Dry Wall

Joist

CRAWL SPACE: RCD R403.1, R406.8 & 1102.2.6
1. Joists and/or flooring within 16" of soil must be pressure treated.
2. Beams within 12" of soil must be pressure treated.
3. Access by floor = 15" x 24", by wall = 16" x 24", minimum.
4. Ventilation:
   a) Wall vent openings 1 sq ft for every 150 sq ft of floor area.
   b) One vent within 3 feet of each corner.
   c) Vents can be reduced to 1/1000 of fl: vapor barrier used and cross ventilation.
   d) Above requires R'19 insulation in joists.
   e) Vents can be eliminated if: mechanically ventilated, vapor barrier, and R-5 wall insulation.

Anchor Bolts 1/2" dia. 12" long, 12" from corners and every 6'
RCD R403.1.6

or wood beam ----

Pressure treated Sill (Bottom) Plate RCD R607.3.4

Poly - Vapor Barrier

24" x 24" x 8"

Footer 8" x 16" 
For wider spacing obtain CBO approval RCD R403