

CITY OF PARMA HEIGHTS
Code Requirements for Detached Garages
*2013 Residential Code of Ohio

STUDS & RAFTERS

Shall have a spacing of not more than 16" o.c.

RAFTER TIES

If rafter ties are used, they are to be 2 x 4 @ 48" o.c. attached with screws or bolted.

EGRESS DOOR

Every detached garage shall be provided with an egress door. Minimum size to be 2'x6" wide, 6'x8" high and 1-3/8" thick. Door shall have a lock which is always openable from the inside without a use of a key. All hardware shall be noncorrosive metal.

FLOOR AREA

Private garages required for each 1,2, & 3 family & townhouse dwelling unit shall have a minimum of 441 sq. ft. and maximum of 750 sq. ft. The floor area for garages shall be measured from the exterior face of the enclosing walls at ground floor level. If exterior drain is used, floor should be pitched out and exterior drain must be tied into storm sewer. If interior drain is used it needs to be tied into sanitary sewer.

GUTTERS & DOWNSPOUTS All garages shall have gutters and downspouts and must be tied into existing storm sewer.

HEIGHT

No garage shall be over fifteen feet (15') high.

DEPTH

No garage shall be over 30 feet (30') in depth in a rear area.

REAR YARD LINE

Detached garages shall not be nearer than three feet (3') to its respective rear lot line.

SIDE LINE

Detached garage shall not be any closer than three feet (3') to the side line. In addition, no garage shall be closer than ten feet (10') to any other structure.

**WOOD FRAME
CONSTRUCTION**

(600 sq. ft. or less)*

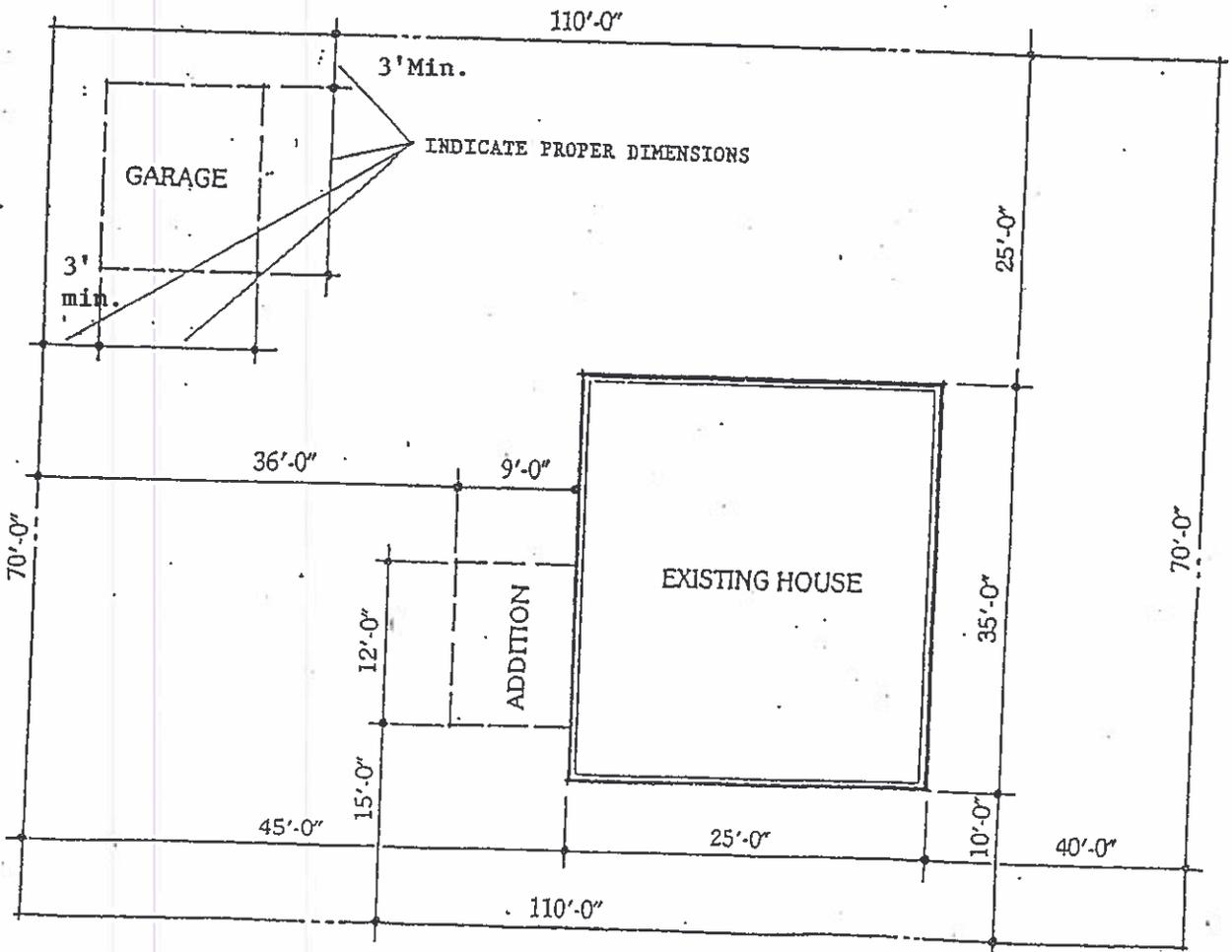
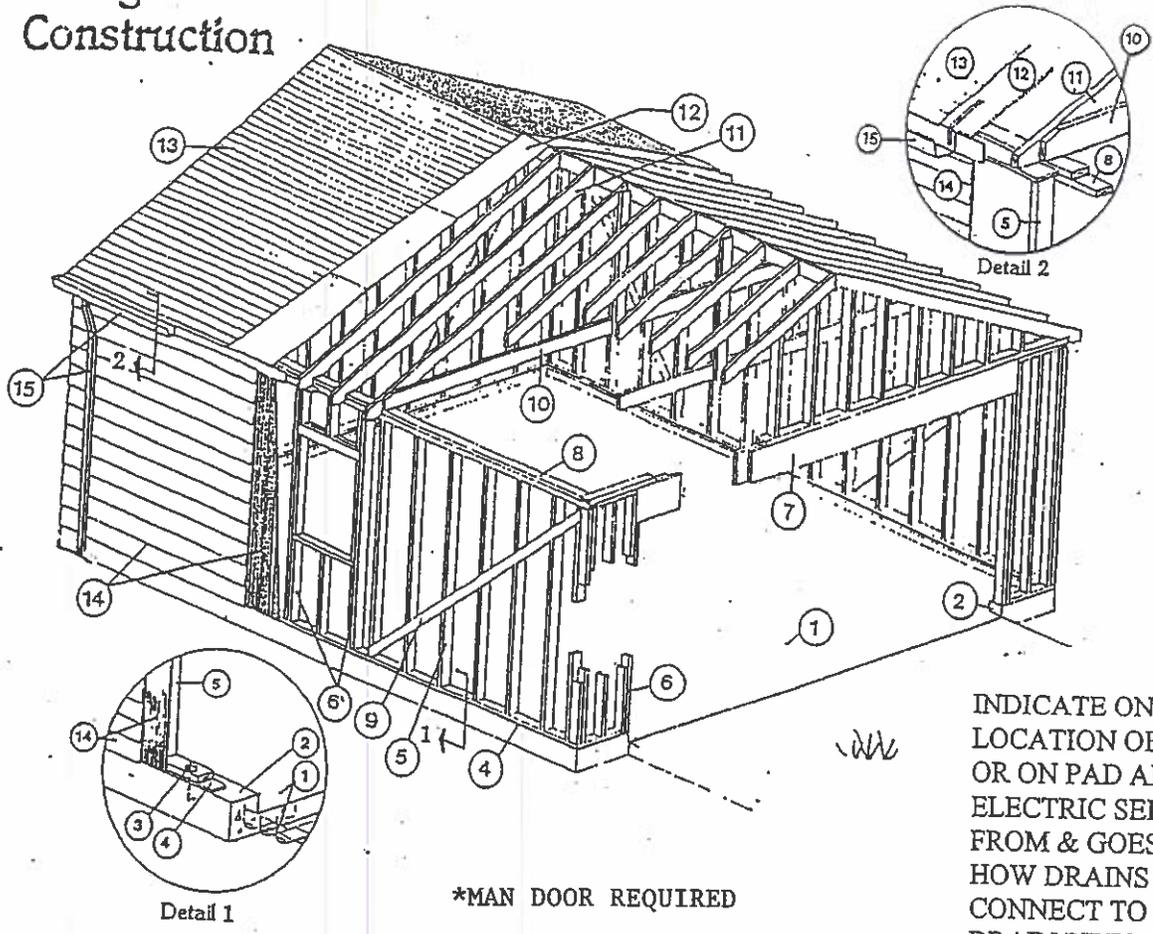
Bottom of footings of frame garages 600 sq. ft or less shall not be less than 12" below finished grade, and 12" wide, 1/2" anchor bolts and washer, within 12" of corners with maximum spacing 6ft. o.c., minimum of two bolts per sill piece. Minimum of 7" embedment.

**WOOD FRAME
CONSTRUCTION**

(601 sq. ft. and over)*

Trench footing 42" below grade, 12" wide minimum.

Garage Construction

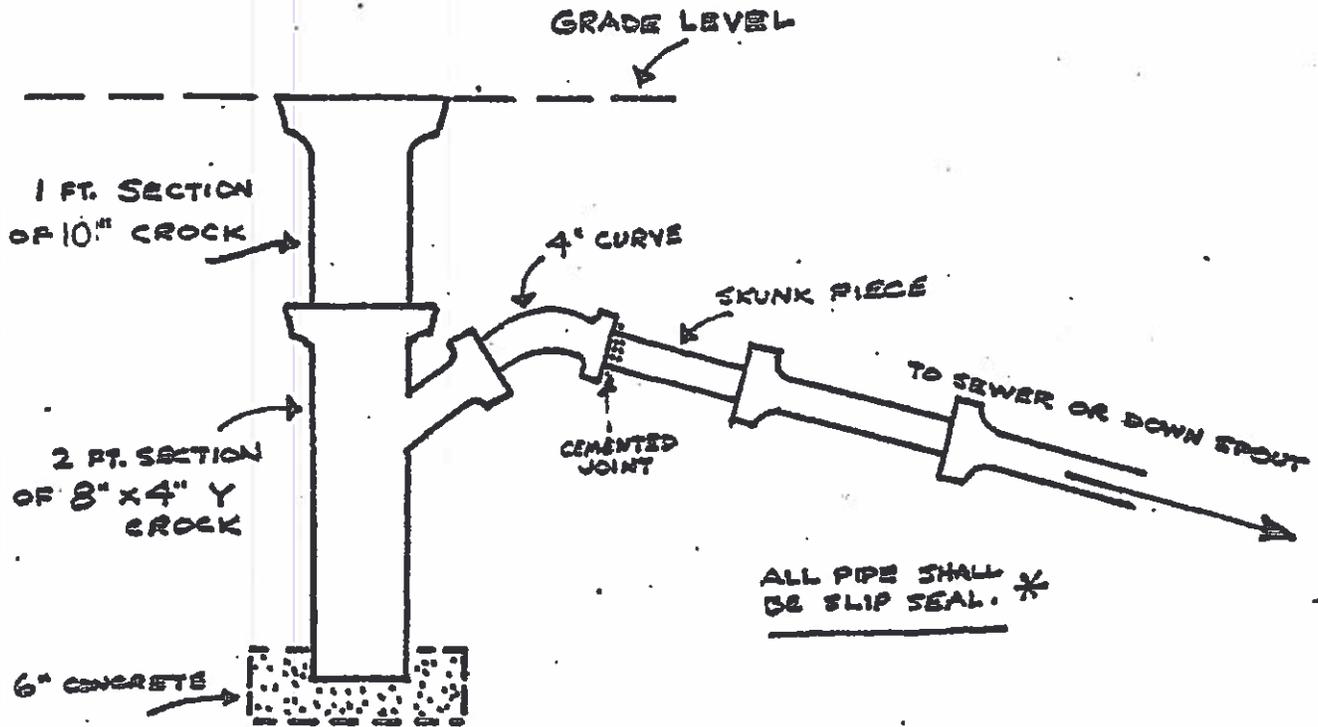


Plot Plan

EXAMPLE ONE

1. Garage floor slab shall have a minimum compressive strength of 3,500 pounds per square foot with 5 to 7 percent air entrainment. Reinforced with 6 x 6 1.4 x 1.4 welded wire mesh (RCO Table R402.2).
2. Curb 6" wide x 4" high.
3. Anchors ½" diameter bolt, washer and nut 6' – 0" on center, within 12" of corners, a minimum of two anchors per sill piece. Minimum embedment of 7". (Foundation anchor straps equivalent to the bolts may be used) (RCO 403.1.6).
4. Sole Plate: Treated to protect against decay per AWP (RCO 319).
5. Studs 2 x 4 @ 16" o.c. (RCO 602).
6. Jack Studs (RCO Figure R602.3.2).
7. Header (RCO Table R502.5(1) & (2)).
8. Top Plate: Double top plate, splices offset by 24" minimum, and lapped at corners (RCOR602.3.2).
9. Wall Bracing: 1 x 4 let in, metal strap, or wall sheathing (RCO R602.10.3).
10. Ceiling rafter: Per RCO Table R802.4(1) thru R802.4(2) minimum 2 x 6.
11. Rafters: Per RCO Table R802.5.1(1).
12. Roof Sheathing: Minimum thickness 5/8" (RCO R803).
13. Roofing: Shingles and underlayment (RCO Chapter 9).
14. Siding: (RCO R703).
15. Gutters & Downspouts: Gutters and downspouts are required and are to be tied into the storm drain unless no drain is available, subject to approval of the Building Department.

BUILDING DEPT. CITY OF PARMA HEIGHTS



FOR GARAGE DRAINS OR YARD DRAINS

① SAND BACKFILL

*NOTE: PLASTIC PIPE MAY BE USED:

- PVC - SCHEDULE #30-33, OR USE PVC CEMENT
- USE ABS CEMENT

WHEN JOINING PLASTIC PIPE TO CROCK USE:

- HYDRAULIC CEMENT OR OTHER APPROVED METHODS

CITY OF PARMA HEIGHTS
BUILDING DEPARTMENT
440-884-9607

DRAIN IN DRIVEWAY REQUIREMENTS

Code allows required drain to be placed anywhere in driveway but must be tied into the storm line, usually an underground connection to a downspout of the house and therefore on to storm.

If putting drain inside garage then it must tie into the sanitary line, not the storm. Most often, this is a difficult run and connection to make. So a gentle slope of the slab out towards the overhead garage door is how it is usually handled.