FINISHED BASEMENT INFORMATION
(Use Group R-3)

APPLICANTS SHALL PROVIDE TWO SETS OF CONSTRUCTION DOCUMENTS DRAWN TO A SCALE OF ¼" = 1' WITH THE FOLLOWING REQUIRED INFORMATIONS;

1. FLOOR PLANS:
   - A. Room names with dimensions.
   - B. Window and door sizes, types and locations.
   - C. Stair locations and dimensions.
   - D. Indicate second means of egress from basement to exterior. Submit construction detail of egress opening, bulkhead, etc.
   - E. Electrical receptacles, light fixtures, switches, smoke detectors, etc.
   - F. Framing members with size, grade, and spacing.
   - G. Insulation values and vapor barriers.
   - H. Ceiling heights (overall and under beams, girders, pipes, ducts, etc.).
   - I. Plumbing fixtures with clearances.
2. CROSS SECTION:
   - A. Framing with floor to ceiling heights.
   - B. Wall coverings.
   - C. Floor coverings.
   - D. Fire stopping materials.
3. MECHANICAL:
   - A. Size, type and locations of heating and air conditioning equipment.
   - B. H.V.A.C. load calculations. If connecting to existing H.V.A.C. system include entire structure.
   - C. Supply and return duct trunk and branch ducts and locations.
   - D. Mechanical ventilation system equipment specifications and duct layout.
   - E. Electric baseboard heating element sizes and locations if applicable.
   - F. Combustion air louvers for fossil fuel burning appliance located within mechanical rooms where required.
   - G. Gas piping plans showing pipe materials, pipe sizes, pipe lengths and equipment B.T.U. input values.
4. DRAINAGE, WASTE AND VENT PIPING (diagram with the following information):
   - A. Scaled drawing of the piping showing size and type of piping, trap size, slope, location of vents, drainage fixture units, cleanouts, sleeves, termination through roof, etc.
   - B. Plumbing fixture specifications, g.p.m., etc.
   - C. Piping support schedule.
   - D. Sewage ejector pump and sump pit specifications and venting if applicable.
5. WATER DISTRIBUTION AND SUPPLY (diagram with the following information):
   - A. Scaled drawing of the supply and distribution piping system.
   - B. Number and distribution of fixtures based on Use Group.
   - C. Piping sizes, materials, valves, backflow preventors, air gaps, pressure relief valves, etc.
   - D. Temperature control mixing valves for showers.
   - E. Water consumption requirements (g.p.m. of fixtures).
   - F. Piping support schedule.
   - G. W.S.F.U. calculations for entire structure if connecting to existing manifolds.
6. ELECTRICAL:

   Please provide an electrical layout plan. Plans must be submitted to an approved electrical underwriter for plan review. Resubmit signed copies to the township. The underwriter is also responsible to conduct rough and final inspections. Electrical cut cards must be submitted to the township.

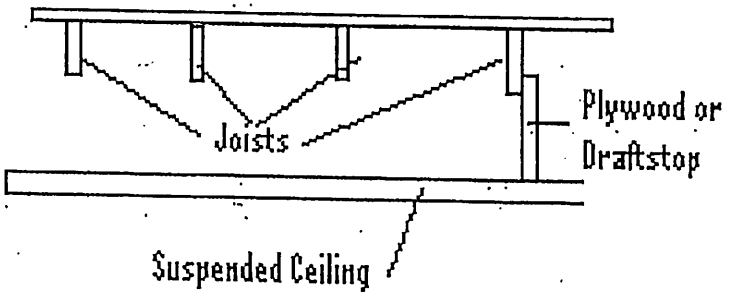
7. THE FOLLOWING REQUIREMENTS ARE COMMONLY OVERLOOKED OR NOT ADDRESSED:
   A. A code compliant 2nd means of egress is required to the outside.
   B. Provide natural light and ventilation in each habitable room equal to 8% of the floor area of each habitable room, half of which shall be openable or provide a code compliant mechanical ventilation system and artificial lighting capable of providing 6 footcandles of illumination 30" above floor level.
   C. Egress opening at sleeping rooms directly to outside.
   D. Minimum 7'-0" ceiling height (6'-6" minimum under beams, girders, ducts, etc.).
   E. Under stair protection.
   F. Provide furnace emergency shutoff switch at entrance to mechanical room.

ADDITIONAL INFORMATION MAY BE REQUIRED UPON REQUEST OF THE CODE OFFICAL.

Provide Smoke Detectors in each area of the Basement Except Closets

a Ceiling Height of 7'-6" shall be maintained in at least 50% of the habitable rooms.

Typical Drop Ceiling Section



*Provide 500 Square foot draft stops in ceiling areas. Sub-divide ceiling into 500 sq. ft. areas then extend dividing joist down to suspended ceiling height and seal any penetrations through joists.

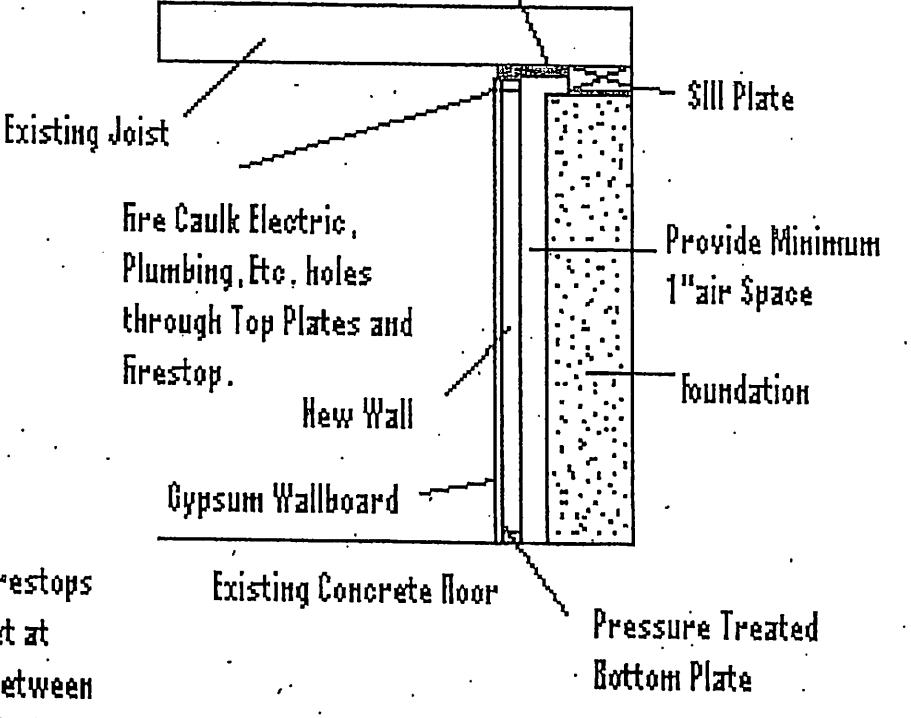
Sheetrock walls from top plate to bottom plate.

Provide Access panels to all Clean-out's, Shut-offs, Sump Pump, Elec Panel, Etc.

Provide Vertical Firestops every Ten (10') feet at perimeter walls, between new wall and foundation.

Provide firestop to isolate space between wall and joist bays. (Use 1/2" sheetrock, metal. 3/4" Plywood or 2X lumber.)

**Note: Install firestop BEFORE wall is built.



Typical Basement Wall Section