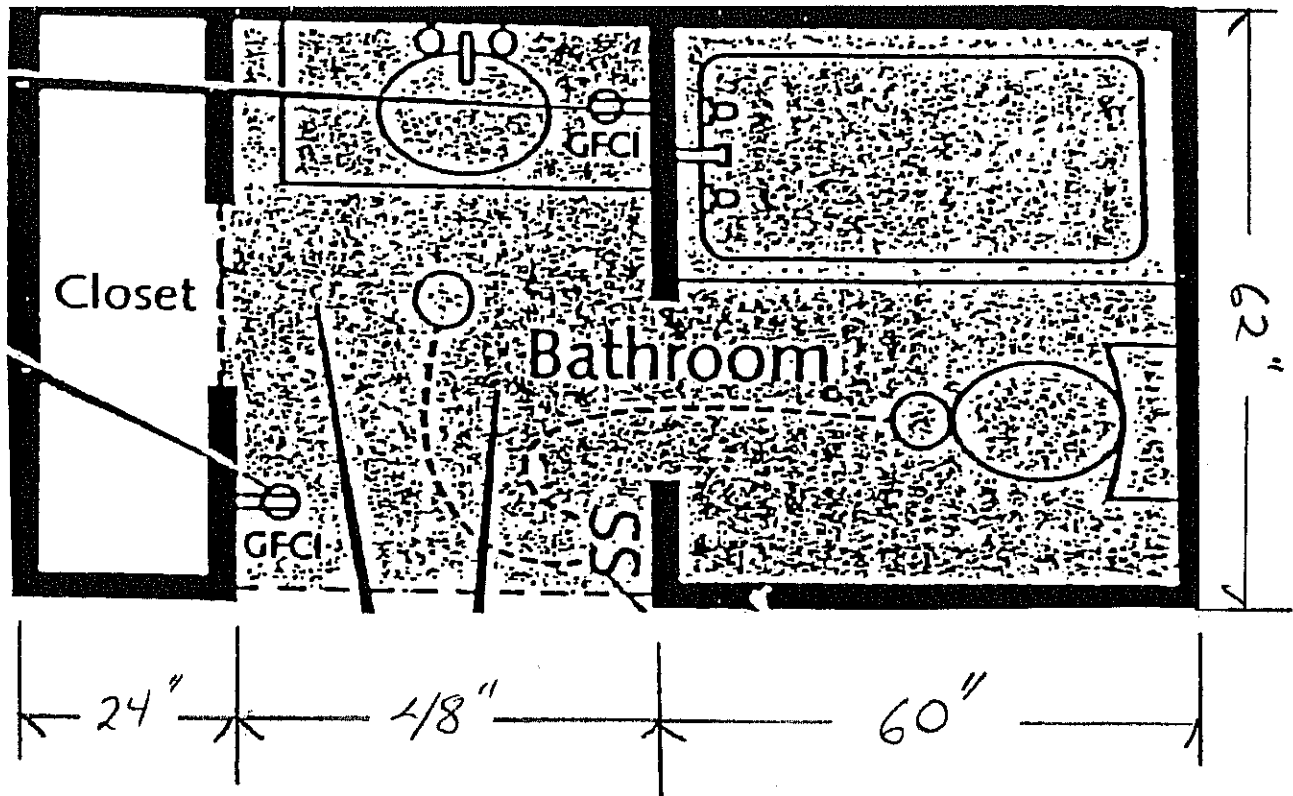


Bathroom and Kitchen Renovations

Drawings to scale showing Direct Replacement (pull and replace) or relocating fixtures require all dimensions.

1. Floor Plan (3 copies)
2. Wall section (new wall) shoe/stud/plate/insulation/wall finish/fire blocking
3. Location of existing fixtures
4. Material type for shower/tub area, If being replaced
5. GFI- new or existing (20 amp circuit)
6. Ventilation- fan or window, vented to the exterior metal pipe only no plastic
7. If moving fixtures:
 - a) Floor framing inspection is required
 - b) Riser diagram of plumbing system; drain and water lines
 - c) Electrical drawing if adding or moving fixtures, switches, receptacles
 - d) Whirlpool/Jacuzzi needs a access panel large enough to remove the largest piece of equipment
 - e) Specify size of whirlpool and loading calculations when filled with water
8. Direct Replacement: No piping, water or drains lines to be replaced or relocated. If new piping is necessary, follow # 7 above

All drawings must be signed by the homeowner for a single family, owner occupied dwelling. All other dwellings require plans drawn by a NJ licensed Architect. Contractors are not licensed to perform architectural services and cannot prepare plans to support a permit application.



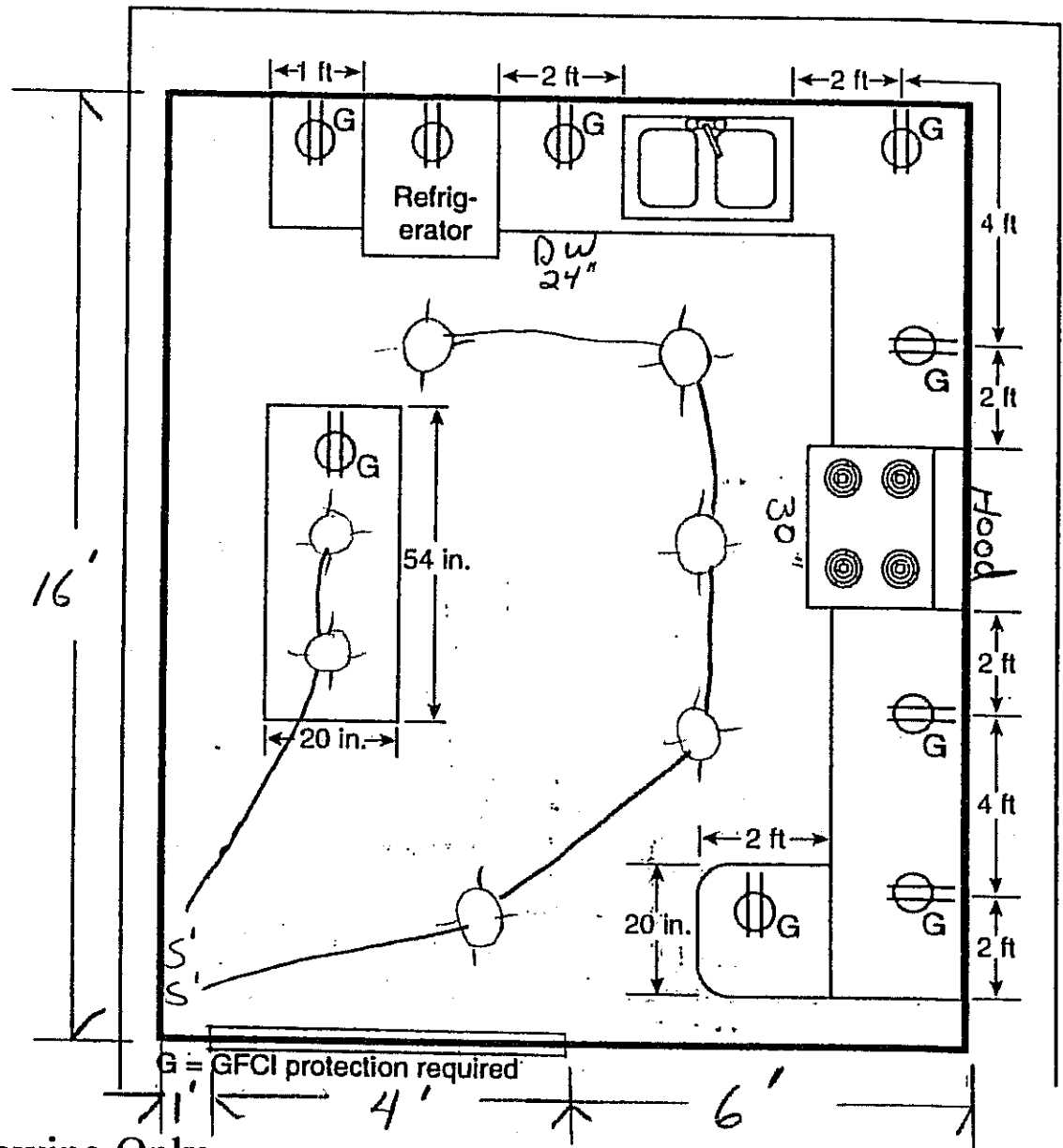
Sample Drawing Only
For Informational Purposes Only

All plans must be drawn to scale and show all dimensions and details

Plans must be signed by the owner if an owner occupied single family dwelling or Signed and Sealed by a NJ Licensed Architect for all other use groups

All load calculations must be signed and sealed by a NJ Licensed Architect or Engineer

Owners name and address must be on all plans



Sample Drawing Only
 For Informational Purposes Only

All plans must be drawn to scale and show all dimensions and details

Plans must be signed by the owner if an owner occupied single family dwelling or Signed and Sealed by a NJ Licensed Architect for all other use groups

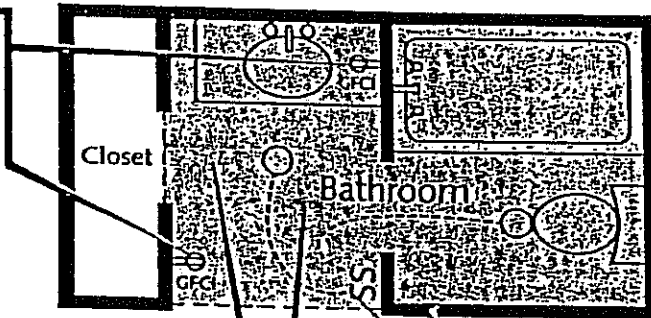
All load calculations must be signed and sealed by a NJ Licensed Architect or Engineer

Owners name and address must be on all plans

BATHROOMS

■ Bathroom "Area" –

Ground-fault circuit-interrupter (GFCI) protection for personnel is required for every 125-volt receptacle located in the bathroom area » 210-8(a)(1) «.



Bathroom Definition: An area including a basin (lavatory or sink) with one or more of the following: a toilet, a tub, or a shower [Article 100—Definitions]. A bathroom is an area—not necessarily a single room.

One or more lighting outlets, controlled by a wall switch, are required in bathrooms » 210-70(a)(1) «.

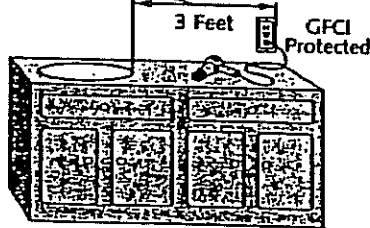
The general provisions for receptacle placement by wall space do not apply to bathrooms.

NOTE

Service disconnecting means shall not be located in bathrooms » 230-70(a) «. Overcurrent devices, other than supplementary overcurrent protection, shall not be installed in bathrooms » 240-24(e) «. Supplementary overcurrent protection is not branch circuit overcurrent protection. It is an additional overcurrent protection usually installed within light fixtures, appliances and other equipment. It is not required that supplementary overcurrent protection be readily accessible » 240-10) «.

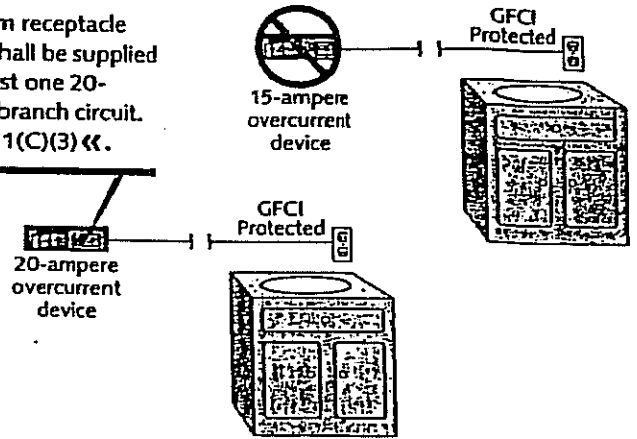
■ Receptacle Within 36 Inches of Sink

At least one wall receptacle shall be located within 36 inches of the outside edge of each basin (lavatory or sink) » 210-52(d) «.



■ Bathroom Branch Circuit Rating

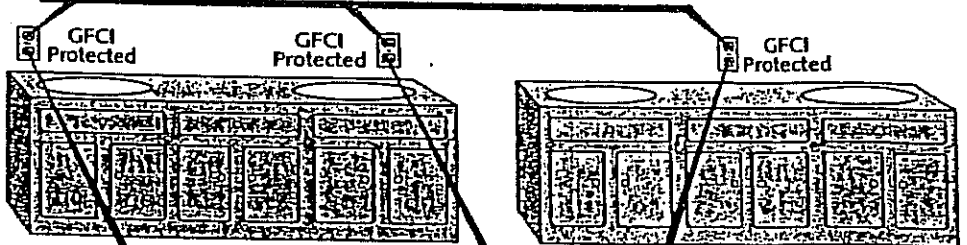
Bathroom receptacle outlets shall be supplied by at least one 20-ampere branch circuit. » 210-11(C)(3) «.



■ Bathroom Receptacles

CAUTION « « « «
The receptacle outlets must be located on a wall that is adjacent to the basin location » 210-52(d) «.

At least one wall receptacle shall be located within 36 inches of the outside edge of each basin (lavatory or sink) » 210-52(d) «.



Receptacles are not permitted in a face-up position in the working surface or countertop » 210-52(d) «.

Receptacles may have an individual rating of either 15 or 20 amperes, but must be supplied from a 20-ampere branch circuit » 210-11(c)(3) «. Ground-fault circuit-interrupter (GFCI) protection for personnel is required for all bathroom receptacles » 210-8(a)(1) «.

12.10 WET VENTING

12.10.1 Single Bathroom Groups

An individually vented lavatory in a single bathroom group shall be permitted to serve as a wet vent for either the water closet, the bathtub or shower stall, the water closet and bathtub/shower if all of the following conditions are met.

- The wet vent is 1-1/2" minimum pipe size if the water closet bend is 3" size or it shall be 2" minimum pipe size if the water closet bend is 4" pipe size.
- A horizontal branch drain serving both the lavatory and the bathtub or shower stall is 2" minimum pipe size.
- The length of the trap arm for the bathtub or shower stall is within the limits of Table 12.8.1. If not, the bathtub or shower stall shall be individually vented.
- The distance from the outlet of the water closet to the connection of the wet vent is within the limits established by Section 12.8.4. Otherwise, the water closet shall be individually vented.
- A horizontal branch serving the lavatory and the bathtub or shower stall shall connect to the stack at the same level as the water closet, or it may connect to the water closet bend, or the lavatory and bathtub or shower stall may individually connect to the water closet bend.
- When the bathroom group is the topmost load on a stack, a horizontal branch serving the lavatory and the bathtub or shower stall may connect to the stack below the water closet bend, or the lavatory and the bathtub or shower stall may individually connect to the stack below the water closet bend.

See Figures 12.10.1a and 12.10.1b and definition for "Wet Vent"

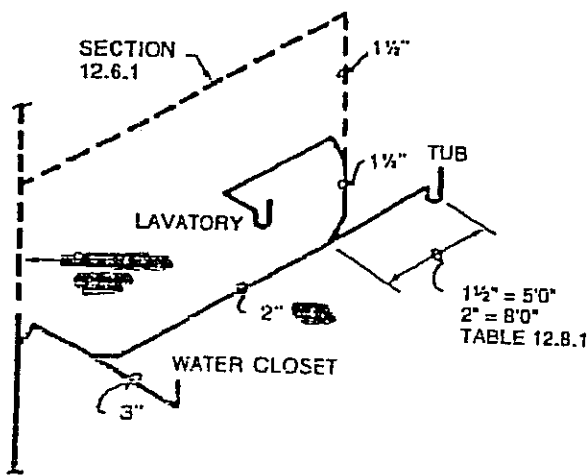


FIGURE 12.10.1a AN EXAMPLE OF A VENTED BATHROOM GROUP SINGLE STORY OR TOP FLOOR OF A MULTIPLE STORY STRUCTURE

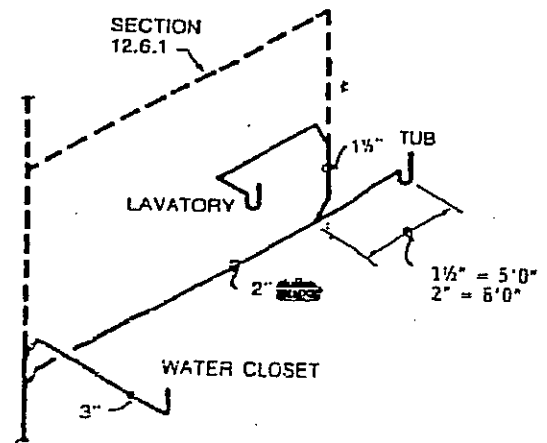


FIGURE 12.10.1b AN EXAMPLE OF A VENTED BATHROOM GROUP SINGLE STORY OR TOP FLOOR OF MULTIPLE STORY STRUCTURE

12.10.2 Double Bathtubs and Lavatories

Two lavatories and two bathtubs or showers back-to-back may be installed on the same horizontal branch with a common vent for the lavatories and with no back vent for the bathtubs or shower stalls provided the wet vent is 2" in size and the lengths of the tub/shower drains conform to Table 12.8.1.

See Figure 12.10.2

Sample
Riser
Diagram