



## City of Northlake

### Building Department

55 E. North Ave.

708-343-8700

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## Bathroom Remodel

### Permit Application:

- Completed permit application.
- Provide the proposed remodeling plan. The plans are to be of clear to indicate the extent of the work being performed. (*See Example A*)
- A written & signed contract between the contractor & homeowner must be included. (if applicable)
- Any work involving modifications to the building's structural framing system, must include a signed and sealed drawing from a licensed architect or structural engineer.
- Homeowner may perform their own electrical and plumbing improvements without being licensed, as long as they occupy the property for a minimum of six (6) months **after** the final inspection.

### Building

- Provide a diagram of the existing and proposed layout of the bathroom, layout of new walls, electric, plumbing and mechanical. (*See Example A*)
- If removing plaster or drywall on exterior wall, the wall must be insulated with a minimum R15 insulation between the studs or 3" of closed cell spray polyethylene foam.
- Fire-block all pipe or conduit penetrations between floors with fire-rated sealant or Thermafiber rock wool.
- New or replacement windows must have a maximum U-factor of .30.
- Bathroom with sloped ceilings must be a minimum ceiling height of 6'-8" at a point 21" in front of the toilet, lavatory or shower. The ceiling height directly above a toilet or lavatory may be lower than 6'8", but it must allow that fixture to be used for its intended purpose. A shower or bathtub with a showerhead shall have a minimum ceiling height of 6'8" above a 30"x 30" square area at the showerhead.
- Windows installed within tub or shower enclosure require safety glazing.
- Safety glazing is required in and around all shower/tub areas.
- Bathroom(s) must have a mechanical fan exhausting directly to the outdoors through a louvered screened opening or an operable window for ventilation.
- Thru-wall exhaust fans shall discharge a minimum of 3' from any other opening into the building.
- Grab bar must be installed in shower/tub areas and attached to the framing. 60" tub and longer require 36" grab bar, 59" or smaller require 24" grab bar.
- Must provide blocking for future installation of shower doors

## Electrical

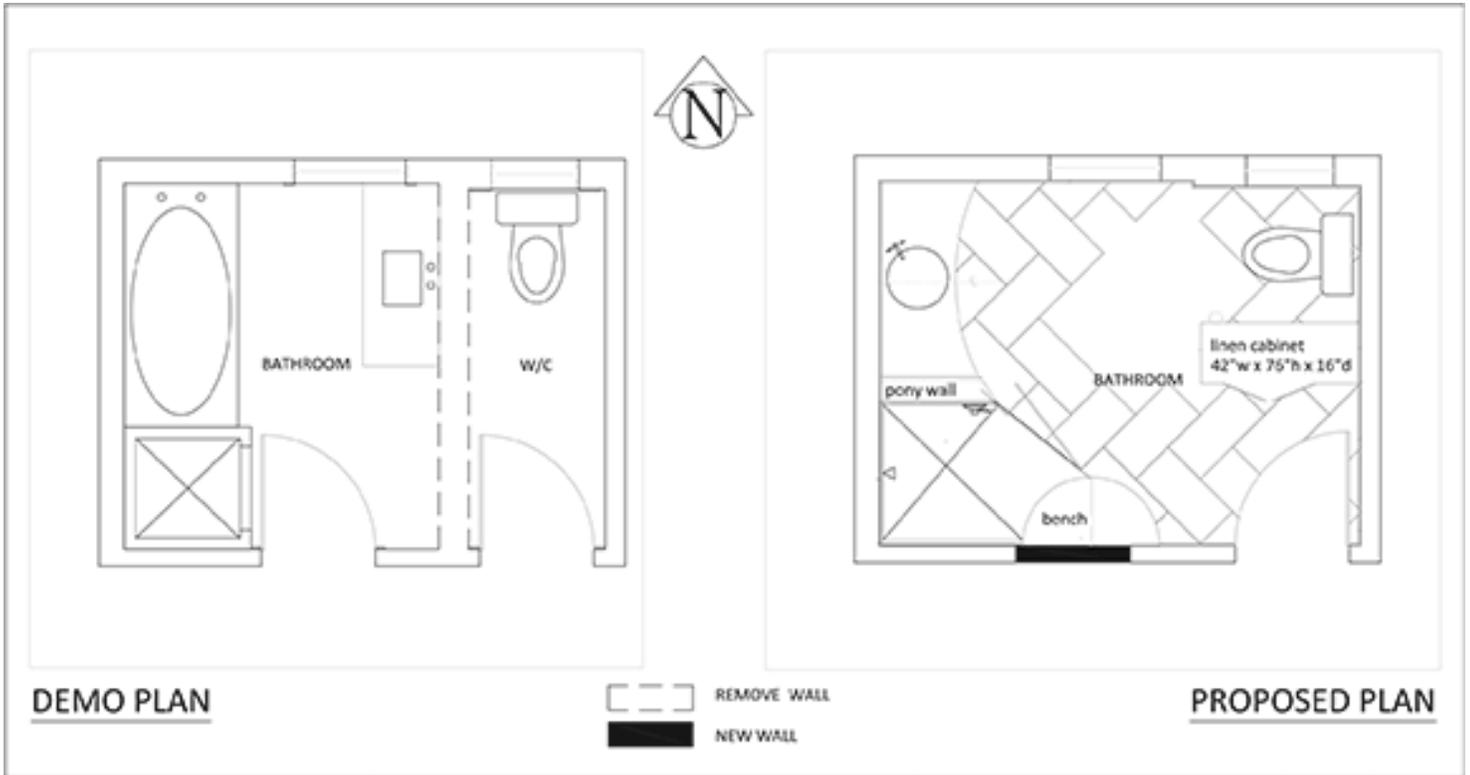
- All electric wiring shall be installed in conduit and all wiring shall be copper.
- Provide at least one separate 20-amp GFCI
- Each sink requires a separate GFCI outlet within 3' of the sink.
- At least one wall switch controlled light.
- Shower lighting shall be rated for WET locations and be labeled.
- Double bowl sinks require a minimum two (2) inch drain line.
- Copper water lines shall not be installed in direct contact with metal electrical conduits or fixtures.
- Provide a list of all existing/new plumbing fixtures and size of existing water service.
- New water piping must be Type L copper or as allowed by the State of Illinois Plumbing code. If you install water pipes on an exterior wall, the wall must be insulated. The pipes must be located as close to the interior finish as possible on the warm-in-winter side of the wall to prevent pipes from freezing.

## Plumbing

- All shower compartments and shower-bath combinations shall be provided with an automatic safety water mixing device (ant-scald). The automatic mixing device shall be set no higher than 115°-degree Fahrenheit at the time of installation.
- New hand-held showers require a vacuum breaker.
- New water piping must be Type L copper or as allowed by the State of Illinois Plumbing code. If you install water pipes on an exterior wall, the wall must be insulated. The pipes must be located as close to the interior finish as possible on the warm-in-winter side of the wall to prevent pipes from freezing.
- Copper water lines shall not be installed in direct contact with metal electrical conduits or fixtures.
- Provide a list of all existing/new plumbing fixtures and size of existing water service.
- Water pipes installed on exterior wall shall be insulated and maintain clearance to insulate the wall behind the pipes.

# Example A

Before and After



## Electrical

