

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) - RESIDENTIAL

AMEND EXISTING SECTION

P2906.9.1.4 PVC plastic pipe. A purple primer that conforms to ASTM F656 shall be applied to PVC solvent-cemented joints. Solvent cement for PVC plastic pipe conforming to ASTM D 2564 shall be applied to all joint surfaces.

Exception: Clear Primer conforming to ASTM F656 may be used on any exposed PVC pipe or fittings on trim/finish work.

Local Conditions and Need: This amendment permits the use of clear primer instead of purple primer when used on exposed PVC pipe or fittings on trim/finish work.

Fiscal Impact Statement: There is no cost impact associated with this amendment.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
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AMEND EXISTING SECTION

Add:

P2903.2.1 Size of water service. The minimum size water service pipe shall be ¾" (19 mm). The size of water service mains, branch mains and risers shall be as required per Table P2903.2.1.

TABLE P2903.2.1 MINIMUM WATER SERVICE SIZE^a

TABLE P2903.2.1
MINIMUM WATER SERVICE SIZE^a

<u>NO. OF FIXTURE UNITS FLUSH TANK WC^b</u>	<u>DIAMETER OF WATER PIPE^c</u>	<u>RECOMMENDED METER SIZE (inches)^d</u>	<u>APPROX. PRESSURE LOSS METER + 100' PIPE (psi)^e</u>	<u>NO. OF FIXTURE UNITS FLUSH VALVE WC^b</u>
<u>18</u>	<u>3/4</u>	<u>5/8</u>	<u>30</u>	<u>=</u>
<u>19-55</u>	<u>1</u>	<u>1</u>	<u>30</u>	<u>=</u>
<u>=</u>	<u>1</u>	<u>1</u>	<u>30</u>	<u>9</u>
<u>56-85</u>	<u>1 ¼</u>	<u>1</u>	<u>30</u>	<u>=</u>
<u>=</u>	<u>1 ¼</u>	<u>1</u>	<u>30</u>	<u>10-20</u>
<u>8-225</u>	<u>1 ½</u>	<u>1 ½</u>	<u>30</u>	<u>=</u>
<u>=</u>	<u>1 ½</u>	<u>1 ½</u>	<u>30</u>	<u>21-77</u>
<u>226-350</u>	<u>2</u>	<u>1 ½</u>	<u>30</u>	<u>=</u>
<u>=</u>	<u>2</u>	<u>1 ½</u>	<u>30</u>	<u>78-175</u>
<u>351-550</u>	<u>2</u>	<u>2</u>	<u>30</u>	<u>=</u>
<u>=</u>	<u>2</u>	<u>2</u>	<u>30</u>	<u>176-315</u>
<u>551-640</u>	<u>2 ½</u>	<u>2</u>	<u>30</u>	<u>=</u>
<u>=</u>	<u>2 ½</u>	<u>2</u>	<u>30</u>	<u>316-392</u>
<u>641-1340</u>	<u>3</u>	<u>3</u>	<u>22</u>	<u>=</u>
<u>=</u>	<u>3</u>	<u>3</u>	<u>22</u>	<u>393-940</u>

ADD TABLE FOOTNOTES:

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- a. Table is applicable for both copper and plastic water piping.
- b. See Table P3004.1 for fixture unit values.
- c. Minimum water service shall be ¾" to control valve.
- d. All secondary submeters and backflow assemblies shall be at least the same size as the line in which they are installed.
- e. Table based on minimum water main pressure of 50 psi.
- f. Minimum sizes for fixture supply pipe from the main or from the riser shall be from the Florida Building Code 7th Edition (2020) - Plumbing Section 604.5.
- g. Four (4) fixtures maximum (hot or cold) may connect to a one-half inch fixture water supply or as required by manufacturers' installation instructions.
- h. Where the water main pressure falls below 50 psi the next larger pipe size shall be used.
- i. Buildings above three (3) stories in height shall use the next larger pipe size.

Local Conditions and Need: Adds more limitations to control pipe sizing.

Fiscal Impact Statement: Cost per installation will be controlled due to added limitations.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th Edition (2020) – RESIDENTIAL

AMEND EXISTING SECTION

P2903.1 Water supply system design criteria. The water service and water distribution systems shall be designed and pipe sizes shall be selected such that under conditions of peak demand, the capacities at the point of outlet discharge shall not be less than shown in Table P2903.1.

EXCEPTION: For one-family, two-family, or three-family residential dwellings, when the building owner approves in writing, one bathroom group may be added to the existing hot and cold water distribution system, not to exceed a maximum of eight drainage fixture units for any fixtures added. In no case shall the additional fixtures be connected to existing hot and/or cold piping that is less than ¾" in diameter.

P2903.1.1 Applicable Sizes. The requirements of P2903.1 in the following sizes shall apply when connected to an existing approved potable system.

1. All Building Department permitted and approved onsite potable drinking water piping two-inch (2") diameter and greater than one hundred fifty (150) lineal feet in length.
2. All Building Department permitted and approved onsite potable drinking water piping of greater than two-inch (2") diameter and greater than fifty (50) lineal feet in length.
3. All Building Department permitted and approved onsite potable drinking water piping in size(s) and length(s) adequate to contain twenty (20) gallons or more. (Volume = .0408 x diameter² x length in feet).
4. Any size or length water pipe that has been subjected to contamination will require disinfection.

Local Conditions and Need: This amendment will provide building owners flexibility when adding one bathroom group to an existing hot and/or cold water distribution system. It also strengthens this section by clarifying that disinfection is not required every time work is performed on a plumbing system. This makes the section more stringent because it clarifies what was a wide range of interpretations. Materials in the code and installation procedures will not change.

Fiscal Impact Statement: Implementation of this amendment will result in a cost reduction by recognizing that a plumbing system test may not be required every time work is done on a potable plumbing line.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) - RESIDENTIAL

AMEND EXISTING SECTION

P2705.1 General. The installation of fixtures shall conform to the following:

1. Floor-outlet or floor-mounted fixtures shall be secured to the drainage connection and to the floor, where so designed, by screws, bolts, washers, nuts and similar fasteners of copper, copper alloy or other corrosion-resistant material.
2. Wall-hung fixtures shall be rigidly supported so that strain is not transmitted to the plumbing system.
3. Where fixtures come in contact with walls and floors, the contact area shall be water tight.
4. Plumbing fixtures shall be usable and functionally accessible.
5. Water closets, lavatories and bidets. A water closet, lavatory or bidet shall not be set closer than 15 inches (381 mm) from its center to any side wall, partition or vanity or closer than 30 inches (762 mm) center-to-center between adjacent fixtures. There shall be a clearance of not less than 21-inch (533 mm) in front of a water closet, lavatory or bidet to any wall, fixture or door in accordance with the fixture spacing requirements of Section R307.1.
6. The location of piping, fixtures or equipment shall not interfere with the operation of windows or doors.
7. In flood hazard areas as established by Table R301.2(1), plumbing fixtures shall be located or installed in accordance with Section R322.1.6.
8. Integral fixture-fitting mounting surfaces on manufactured plumbing fixtures or plumbing fixtures constructed on site, shall meet the design requirements of ASME A112.19.2/CSA B45.1 or ASME A112.19.3/CSA B45.4.

Local Conditions and Need: This amendment brings awareness to the plumbing fixture spacing requirements located in both sections of the code.

Fiscal Impact Statement: There is no cost impact associated with this amendment.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

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FLORIDA BUILDING CODE 7th EDITION (2020) - RESIDENTIAL

AMEND EXISTING SECTION

M1411.3 Condensate disposal. Condensate from cooling coils and evaporators shall be conveyed from the drain pan outlet to an *approved* place of disposal. Such piping shall maintain a minimum horizontal slope in the direction of discharge of not less than 1/8 unit vertical in 12 units horizontal (1-percent slope). Condensate shall not discharge into a street, alley or other areas where it would cause a nuisance. All primary condensate drain lines installed within unconditioned areas shall be insulated with insulation having a thermal resistivity of not less than R-3.

Local Conditions and Need: This amendment requires all horizontal primary condensate drain within unconditioned areas shall be insulated.

Fiscal Impact Statement: The cost impact associated with this amendment is minimal.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
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FLORIDA BUILDING CODE 7th Edition (2020) – RESIDENTIAL

AMEND EXISTING SECTION

G2415.15 Outlet closures. Gas *outlets* that do not connect to *appliances* shall be capped gas tight and shall be labeled with a weatherproof label stating “Connection of a gas appliance to this outlet in the future will require a permit and inspection.” Appliance shutoff valves required by G2420.5 [409.5] shall be installed only at the time of appliance connection to gas outlets.

Exception: *Listed* and *labeled* flush-mounted-type quick-disconnect devices and *listed* and *labeled* gas convenience outlets shall be installed in accordance with the manufacturer’s instructions.

Local Conditions and Need: Adds limitations to control future connections to gas outlets.

Fiscal Impact Statement: Cost increase to provide label is insignificant.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING

AMEND EXISTING SECTION

705.10.2 Solvent cementing. Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F656 shall be applied. Clear Primer conforming to ASTM F656 may be used on any exposed PVC pipe or fittings on trim/finish work. Solvent cement not purple in color and conforming to ASTM D2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D2855. Solvent-cement joints shall be permitted above or below ground.

Exception: A primer is not required where both of the following conditions apply:

1. The solvent cement used is third-party certified as conforming to ASTM D2564.
2. The solvent cement is used only for joining PVC drain, waste and vent pipe and fittings in non-pressure applications in sizes up to and including 4 inches (102 mm) in diameter.

Local Conditions and Need: This amendment permits the use of clear primer instead of purple primer when used on exposed PVC pipe or fittings on trim/finish work.

Fiscal Impact Statement: There is no cost impact associated with this amendment.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING

AMEND EXISTING SECTION

SECTION 610 DISINFECTION OF POTABLE WATER SYSTEM

610.2 Applicable Sizes. The requirements of 610.1 in the following sizes shall apply when connected to an existing approved potable system.

1. All Building Department permitted and approved onsite potable drinking water piping two-inch (2") diameter and greater than one hundred fifty (150) lineal feet in length.
2. All Building Department permitted and approved onsite potable drinking water piping of greater than two-inch (2") diameter and greater than fifty (50) lineal feet in length.
3. All Building Department permitted and approved onsite potable drinking water piping in size(s) and length(s) adequate to contain twenty (20) gallons or more. (Volume = .0408 x diameter² x length in feet).
4. Any size or length water pipe that has been subjected to contamination will require disinfection.

Local Conditions and Need: This amendment strengthens this section by clarifying that disinfection is not required every time work is performed on a plumbing system. This makes the section more stringent because it clarifies what was a wide range of interpretations. Materials in the code and installation procedures will not change.

Fiscal Impact Statement: Implementation of this amendment will result in a cost reduction by recognizing that a plumbing system test may not be required every time work is done on a potable plumbing line.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) - PLUMBING

AMEND EXISTING SECTION

605.21.3 Solvent cementing. Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F656 shall be applied. Solvent cement not purple in color and conforming to ASTM D2564 or CSA B137.3 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D2855. Solvent-cement joints shall be permitted above or below ground.

Exception: Clear Primer conforming to ASTM F656 may be used on any exposed PVC pipe or fittings on trim/finish work.

Local Conditions and Need: This amendment permits the use of clear primer instead of purple primer when used on exposed PVC pipe or fittings on trim/finish work.

Fiscal Impact Statement: There is no cost impact associated with this amendment.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th Edition (2020) – FUEL GAS

AMEND EXISTING SECTION

404.15 Outlet closures. Gas *outlets* that do not connect to *appliances* shall be capped gas tight and shall be labeled with a weatherproof label stating “Connection of a gas appliance to this outlet in the future will require a permit and inspection.” Appliance shutoff valves required by G2420.5 [409.5] shall be installed only at the time of appliance connection to gas outlets.

Exception: *Listed* and *labeled* flush-mounted-type quick-disconnect devices and *listed* and *labeled* gas convenience outlets shall be installed in accordance with the manufacturer’s instructions.

Local Conditions and Need: Adds limitations to control future connections to gas outlets.

Fiscal Impact Statement: Cost increase to provide label is insignificant.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT

FLORIDA BUILDING CODE 7th Edition (2020) - BUILDING AMEND EXISTING SECTION

1510.10 Mechanical Units.

Roof mounted mechanical units shall be mounted on curbs raised a minimum of 8 inches (203 mm) above the roof surface, or where roofing materials extend beneath the unit, on raised equipment supports providing a minimum clearance height in accordance with Table 1510.10.

Exception: In buildings where the existing rooftop equipment, in the opinion of the building official, provides sufficient clearance to repair, recover, replace and/or maintain the roofing system or any of its components, such existing equipment need not comply with Table 1510.10.

TABLE 1510.10 CLEARANCE BELOW RAISED ROOF MOUNTED MECHANICAL UNITS	
WIDTH OF MECHANICAL UNIT (inches)	MINIMUM CLEARANCE ABOVE SURFACES (inches)
< 24	14
24 < 36	18 14
36 < 48	24 14
48 < 60	30 14
> 60	48

For SI: 1 inch = 25.4 mm.

Exception: When removing or replacing roof mounted mechanical units for individual units and/or spaces within multi-unit buildings the individual units may be reinstalled utilizing the existing system of attachment. At such time of reroofing of the building all mechanical units must be brought into compliance with this code section.

Local Conditions and Need: This amendment strengthens this code section when dealing with replacement of individual mechanical units by requiring that all roof mounted mechanical units comply with the code section upon reroofing the building.

Fiscal Impact Statement: By providing the exemption, costs to individual unit Owners/Leaseholders would be reduced by waiving the requirements to provide attachment/wind load engineering, material and equipment to elevate the mechanical units to comply with Table 1510.10 and Building Department plan review.

By requiring all mechanical units to comply upon reroofing, engineering, material and Building Department plan review costs limited to a single instance thereby reducing the overall cost to comply with this code section and conform the intent of reducing future reroofing costs.

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FLORIDA BUILDING CODE 7th Edition (2020) - BUILDING

As currently written the code section does not take into account that in the event that a building requiring reroofing prior to all mechanical units having been brought into compliance effectively has experienced no net gain or ease of reroofing by having performed compliance by piecemeal/incomplete methods.

Effective Date: Upon Board Approval and posting on the Commission Website.

This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) – BUILDING

NFPA 70 NATIONAL ELECTRICAL CODE

2701.1 Scope. The provisions of this chapter and NFPA 70 shall govern the design, construction, erection and installation of the electrical components, appliances, equipment and systems used in buildings and structures covered by this code. The Florida Fire Prevention Code and NFPA 70 shall govern the use and maintenance of electrical components, appliances, equipment and systems. The Florida Building Code, Existing Building and NFPA 70 shall govern the alteration, repair, relocation, replacement and addition of electrical components, appliances, equipment and systems.

AMEND EXISTING NEC SECTION

Article 250.96 Bonding Other Enclosures.

(A) **General.** Metal raceways, cable trays, cable armor, cable sheath, enclosures, frames, fittings, and other metal non-current-carrying parts that are to serve as equipment grounding conductors, with or without the use of supplementary equipment grounding conductors, shall be bonded where necessary to ensure electrical continuity and the capacity to conduct safely any fault current likely to be imposed on them. Any nonconductive paint, enamel, or similar coating shall be removed at threads, contact points, and contact surfaces or be connected by means of fittings designed so as to make such removal unnecessary. All raceways shall contain an equipment-grounding conductor sized in accordance with Table 250.122.

Local Conditions and Need: This amendment assures a positive return path for faults.

Fiscal Impact Statement: Minimal cost impact associated with this amendment since this requirement has been in effect in Pinellas County since 1987.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.

LOCAL TECHNICAL AMENDMENT
Pinellas County Construction Licensing Board (PCCLB)
FLORIDA BUILDING CODE 7th EDITION (2020) - BUILDING

AMEND EXISTING SECTION

1609.3 Ultimate design wind speed. The ultimate design wind speed V_{ult} , in mph, for the determination of the wind loads shall be determined by Figures 1609.3(1), 1609.3(2), 1609.3(3) and 1609.4. The ultimate design wind speed, V_{ult} , for use in the design of Risk Category II buildings and structures shall be obtained from Figure 1609.3(1). The ultimate design wind speed, V_{ult} , for use in the design of Risk Category III buildings and structures shall be obtained from Figure 1609.3(2). The ultimate design wind speed, V_{ult} , for use in the design of Risk Category IV buildings and structures shall be obtained from Figure 1609.3(3). The ultimate design wind speed, V_{ult} , for use in the design of Risk Category I buildings and structures shall be obtained from Figure 1609.3(4). The ultimate design wind speed, V_{ult} , for the special wind regions indicated near mountainous terrain and near gorges shall be in accordance with local jurisdiction requirements. The ultimate design wind speeds, V_{ult} , determined by the local jurisdiction shall be in accordance with Chapter 26 of ASCE 7.

The exact location of wind speeds are approved and adopted as follows: All incorporated and unincorporated Pinellas County, Risk Category I – 135 MPH with interpolation permitted as allowed in the Code and ASCE 7-16; Risk Category II – 145 MPH with interpolation permitted as allowed in the Code and ASCE 7-16; Risk Category III – 155 MPH with interpolation permitted as allowed in the Code and ASCE 7-16; Risk Category IV – 157 MPH with interpolation permitted as allowed in the Code and ASCE 7-16 ~~lines shall be established by local ordinance using recognized physical landmarks such as major roads, canals, rivers and lake shores wherever possible.~~

Local Conditions and Need: This amendment defines Pinellas County's basic wind speed designations.

Fiscal Impact Statement: This amendment adopts Pinellas County's minimum basic wind speeds. There is no cost impact associated with this amendment.

Effective Date: Upon Board Approval and posting on the Commission Website.

Effect of Implementation: This amendment if implemented would not discriminate against materials, products, or construction techniques of demonstrated capabilities.