TOWN OF PROSPER, TEXAS **ORDINANCE NO. 2023-__**

AN ORDINANCE OF THE TOWN OF PROSPER, TEXAS, REPEALING ARTICLE 3.18 "RESIDENTIAL GREEN BUILDING PROGRAM," OF CHAPTER 3, "BUILDING REGULATIONS," OF THE CODE OF ORDINANCES OF THE TOWN OF PROSPER, TEXAS, IN ITS ENTIRETY; REPEALING ARTICLE 3.05, "RESIDENTIAL BUILDING CODE," OF CHAPTER 3, "BUILDING REGULATIONS," OF THE CODE OF ORDINANCES OF THE TOWN OF PROSPER AND REPLACING IT WITH A NEW ARTICLE 3.05, "RESIDENTIAL BUILDING CODE"; ADOPTING THE 2021 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE, SAVE AND EXCEPT THE DELETIONS AND AMENDMENTS SET FORTH HEREIN; REGULATING THE CONSTRUCTION, ALTERATION, MOVEMENT, ENLARGEMENT, REPLACEMENT, REPAIR, EQUIPMENT, USE AND OCCUPANCY, LOCATION, REMOVAL, AND DEMOLITION OF DETACHED ONE- AND TWO-FAMILY DWELLINGS AND MULITPLE SINGLE-FAMILY DWELLINGS (TOWNHOUSES) NOT MORE THAN THREE (3) STORIES IN HEIGHT WITH A SEPARATE MEANS OF EGRESS AND RELATED ACCESSORY STRUCTURES LOCATED WITHIN THE TOWN OF PROSPER; PROVIDING FOR A PENALTY FOR THE VIOLATION OF THIS ORDINANCE; PROVIDING FOR REPEALING, SAVINGS, AND SEVERABILITY CLAUSES; PROVIDING FOR AN EFFECTIVE DATE OF THIS ORDINANCE AND PROVIDING FOR THE PUBLICATION OF THE CAPTION HEREOF.

WHEREAS, the Town Council of the Town of Prosper, Texas (the "Town Council"), has investigated and determined that it would be advantageous and beneficial to the citizens of Prosper to repeal the existing Article 3.05, "Residential Building Code," of the Code of Ordinances and replace it with a new Article 3.05, "Residential Building Code"; and,

WHEREAS, the Town Council has also investigated and determined that it would be advantageous and beneficial to the citizens of Prosper to adopt the 2021 Edition of the International Residential Code, save and except the amendments and deletions set forth below.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF PROSPER, TEXAS, THAT:

SECTION 1

The findings set forth above are incorporated into the body of this Ordinance as if fully set forth herein.

SECTION 2

From and after the effective date of this Ordinance, Article 3.18, "Residential Green Building Program," of Chapter 3, "Building Regulations," of the Code of Ordinances of the Town of Prosper, Texas, is hereby repealed in its entirety.

SECTION 3

Existing Article 3.05, "Residential Building Code," of the Code of Ordinances of the Town of Prosper Texas, is hereby repealed in its entirety and replace with a new Article 3.05, "Residential Building Code," to read as follows:

"**ARTICLE 3.05 RESIDENTIAL BUILDING CODE**

Sec. 3.05.001 Code Adopted; amendments

The International Residential Code, 2021 Edition, copyrighted by the International Code Council, Inc., including Appendix AG and Appendix AK, save and except the deletions and amendments set forth in Exhibit "A," attached hereto and incorporated herein for all purposes, is hereby adopted as the Residential Building Code for the Town, regulating the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three (3) stories in height with a separate means of egress and relate accessory structures within the Town (the "2021 International Residential Code"). The 2021 International Residential Code is made a part of this Article as if fully set forth herein. A copy of the International Residential Code, 2021 Edition, copyrighted by the International Code Council, Inc., is on file in the office of the Town Secretary of Prosper being marked and so designated as the 2021 International Residential Code."

SECTION 4

Should any section, subsection, sentence, clause, or phrase of this Ordinance be declared unconstitutional or invalid by a court of competent jurisdiction, it is expressly provided that any and all remaining portions of this Ordinance shall remain in full force and effect. The Town hereby declares that it would have passed this Ordinance, and each section, subsection, sentence, clause, or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, and phrases be declared unconstitutional or invalid.

SECTION 5

All provisions of any ordinance in conflict with this Ordinance are hereby repealed to the extent they are in conflict; but such repeal shall not abate any pending prosecution from being commenced for any violation if occurring prior to the repeal of the Ordinance. Any remaining portions of said ordinances shall remain in full force and effect.

SECTION 6

Any person, firm, corporation, or business entity violating this Ordinance shall be deemed guilty of a misdemeanor, and upon conviction thereof shall be subject to a fine not to exceed the sum of Two Thousand Dollars ($2,000.00), and each and every day such violation shall continue shall constitute a separate offense.

SECTION 7

This Ordinance shall become effective on April 1, 2023, after its adoption and publication as required by law.

DULY PASSED, APPROVED, AND ADOPTED BY THE TOWN COUNCIL OF THE TOWN OF PROSPER, TEXAS, ON THIS 24TH DAY OF JANUARY, 2023.

_____
David F. Bristol, Mayor

ATTEST:

_____
Michelle Lewis Sirianni, Town Secretary

APPROVED AS TO FORM AND LEGALITY:

_____
Terrence S. Welch, Town Attorney

Exhibit A
Town of Prosper Amendments to the 2021 International Residential Code
The following additions, deletions, and amendments to the 2021 International Residential Code are hereby approved and adopted.

Section R101.1; change to read as follows:

R101.1 Title. These provisions shall be known as the Residential Code for One- and Two-family Dwellings of the Town of Prosper, and shall be cited as such and will be referred to herein as "this code."

Section R102.4; change to read as follows:

R102.4 Referenced codes and standards. The codes, when specifically adopted, and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections R102.4.1 and R102.4.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference made to NFPA 70 or the Electrical Code shall mean the Electrical Code as adopted.

Section R103 and R103.1; change to read as follows:

BUILDING INSPECTION DIVISION OF THE TOWN OF PROSPER

R103.1 Creation of enforcement agency. The BUILDING INSPECTION DIVISION OF THE TOWN OF PROSPER is hereby created and the official in charge thereof shall be known as the building official.

Section R104.10.1 Flood Hazard areas; delete this section.

Section R105.2; change to read as follows:

R105.2 Work exempt from permit. Exemption from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this Code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:

Building:

1. Retaining walls that are not over four feet (4') (1,219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
2. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,927 L) and the ratio of the height to diameter or width does not exceed 2 to 1.
3. Paining, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.
4. Prefabricated swimming pools that are less than twenty-four inches (24" (610 mm) in depth.
5. Swings and other playground equipment.
6. Window awnings supported by an exterior wall which do not project more than fifty-four inches (54") {1,372 mm) from the exterior wall and do not require additional support.
7. Decks not exceeding 200 square feet (18.58 m^2) in area, that are not more than thirty inches (30") (762 mm) above grade at any point, are not attached to a dwelling, and do not serve the exit door required by Section R311.4.

{remainder of text unchanged}.

Section R105.3.1.1& R106.1.4; delete these sections.

Section R106.1; change to read as follows:

R106.1 Submittal documents. Submittal documents consisting of construction documents, and other data shall be submitted in two (2) or more sets with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the Building Official is authorized to require additional construction documents to be prepared by a registered design professional. Foundation plans shall be submitted with each application. Foundation plans shall be designed by an engineer licensed by the State of Texas and shall bear said engineer's seal. Structural framing plans shall be submitted with each new construction or addition application. Structural framing plans shall be designed by a registered design professional licensed by the State of Texas and shall bear said design professional's seal.

> **Exception:** The Building Official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this Code.

Section R108.5; change to read as follows:

R108.5 Refunds. The Building Official is authorized to establish a refund policy.

1. The full amount of any fee paid hereunder that was erroneously paid or collected.
2. Not more than eighty percent (80%) of the permit fee paid when no work has been done under a permit issued in accordance with this Code.
3. Not more than eighty percent (80%) of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expanded.

The Building Official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

Section R108.6; change to read as follows:

R108.6 Work commencing before permit issuance. Any person who commences any work requiring a permit on a building, structure, electrical, gas, mechanical, or plumbing system prior to obtaining the necessary permits shall be subject to a fee of 100% of the usual permit fee, in addition to the required permit fees.

Section R108.7; added R108.7 to read as follows:

R108.7 Re-inspection fee. A fee as established by Town Council may be charged when:

1. The inspection called for is not ready when the inspector arrives;
2. No building address or permit card is clearly posted;
3. The building is locked or otherwise not available for inspection when called;
4. The job site is disapproved twice for the same item; and/or,
5. Failure to maintain erosion control, trash control, or tree protection.

Any re-inspection fees assessed shall be paid before any additional inspections are conducted on said job site.

Section R109.1.1; change to read as follows:

R109.1.1 Foundation inspection. Inspection of the foundation shall be made after poles or piers are set or trenches or basement areas are excavated, any required forms erected, and any required reinforcing steel is in place and supported prior to the placing of concrete. The foundation inspection shall include excavations for thickened slabs intended for the support of bearing walls, partitions, structural supports, or equipment and special requirements for wood foundations. A registered design professional, or their designated representative, shall perform a pre-pour inspection and provide the Building Official with a signed and sealed document stating that the foundation has been inspected and approved. This inspection shall take place prior to requesting a foundation inspection from the Building Official.

Section R109.1.4; change to read as follows:

R109.1.4 Frame and masonry inspection. Inspection of framing and masonry construction shall be made after the roof, masonry, all framing, firestopping, draftstopping, and bracing are in place and after the plumbing, mechanical, and electrical rough inspections are approved. A registered design professional, or their designated representative, shall perform a structural framing inspection and provide the Building Official with a signed and sealed document stating that the structure's vertical and lateral load-resistance framing design has been inspected and approved. This inspection shall take place prior to requesting a framing inspection from the Building Official.

Section R110 (R110.1 through R110.5); delete the section.

Section R112 is amended by removing Sections R112.1, R112.2, R112.3, and R112.4 and replacing them with the following:

R112 BOARD OF APPEALS. Any person shall have the right to appeal a decision of the Building Official to the Board of Appeals as established by ordinance. The board shall be governed by the Town of Prosper's enabling ordinance.

Section 113.4; change to read as follows:

113.4 Violation penalties. Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair plumbing work in violation of the *approved* construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be guilty of a misdemeanor and upon conviction may be fined up to the maximum amount allowed by Texas law. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

Section R115; add section to read as follows.

R115 Site Maintenance. Provisions for sanitation and construction debris shall be provided for all construction sites.

R115.1 Facilities required. Each permitted construction project in Prosper shall be provided with at least one (1) temporary portable toilet facility for use by employees and subcontractors. Builders or contractors with multiple permits in a subdivision shall provide one portable toilet for a maximum five permits. Portable toilet facilities shall be located in the rear portion of lots where alley access is available. Portable toilet facilities shall not be placed in street or alley right-of- ways. The builder or permit holder shall be responsible for ensuring that toilet facilities are maintained in a sanitary condition. The code official may, at their discretion, require that additional toilet facilities be provided if these requirements prove to be insufficient.

R115.2 Trash receptacles. Each permitted construction project in Prosper shall be provided with receptacles of a sufficient size and number to contain jobsite trash and debris, including, but not limited to, food wrappers and containers from workers lunches. The builder or permit holder shall be responsible for ensuring that trash receptacles are utilized by all employees and subcontractors, and that all trash is removed at intervals adequate to maintain a clean job site. In addition to the required receptacles, each lot shall be provided with screen fencing to prevent windblown trash and debris from adjacent lots. Other methods of construction debris containment may be approved if compliance can be demonstrated and maintained.

Section R202; change and add definition as follows:

TOWNHOUSE UNIT. A single-family dwelling unit separated by property lines in a townhouse that extends from foundation to roof and that has a yard or public way on not less than two sides.

Table R301.2 (1); fill in as follows:

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY[f]	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP[e]	ICE BARRIER UNDER-LAYMENT[h]	FLOOD HAZARDS[g]	AIR FREEZING INDEX[i]	MEAN ANNUAL TEMP[j]
	SPEED[d] (MPH)	Topographic Effects[k]	Special Wind Region[L]	Windborne Debris Zone[m]		Weathering a	Frost Line Depth[b]	Termite[c]					
5 lb/ft	105 (3 sec-gust)/ 76 fastest mile	No	No	No	A	Moderate	6"	Very Heavy	22^0 F	No	Local Code	150	64.9^0 F

Delete remainder of table Manual J Design Criteria and footnote N

Section R302.1; add exception #6 to read as follows:

Exceptions: {*previous exceptions unchanged}*

6. Open non-combustible carport structures may be constructed when also approved within adopted ordinances.

Section R302.3; add Exception #3 to read as follows:

Exceptions:

1. {*existing text unchanged}*
2. {*existing text unchanged}*
3. Two-family dwelling units that are also divided by a property line through the structure shall be separated as required for townhouses.

Section R302.2.6; delete exception #6:

Section R313.2 One and Two Family Dwellings; change to read as follows*:.*

Section R313.2 One- and two-family dwellings automatic fire systems. Automatic fire protection required: Automatic fire protection systems in accordance with NFPA 13D or NFPA 13R shall be provided in all one- and two-family dwellings with a conditioned floor area of 5,500 square feet (511 m^2) or greater, dwellings three (3) stories or greater, or dwellings with roof heights exceeding thirty-five feet (35').

In the event that an addition or alteration increases the conditioned floor area from less than 5,500 square feet to equal to or greater than 5,500 square feet, the number of stories from less than three (3) stories to equal to or greater than three (3) stories, or the roof height from thirty-five feet (35') or less to greater than thirty five feet (35') in height, the entire dwelling shall be retrofitted with an automatic fire protection system in accordance with NFPA 130 or NFPA 13R.

Where requirements in this section conflict with requirements found in the Fire Code or the Code of Ordinances adopted by the Town of Prosper, the most stringent requirements shall apply.

Section R322 Flood Resistant Construction is amended to delete this section in its entirety.

Section R401.2; amended by adding a new paragraph following the existing paragraph to read as follows.

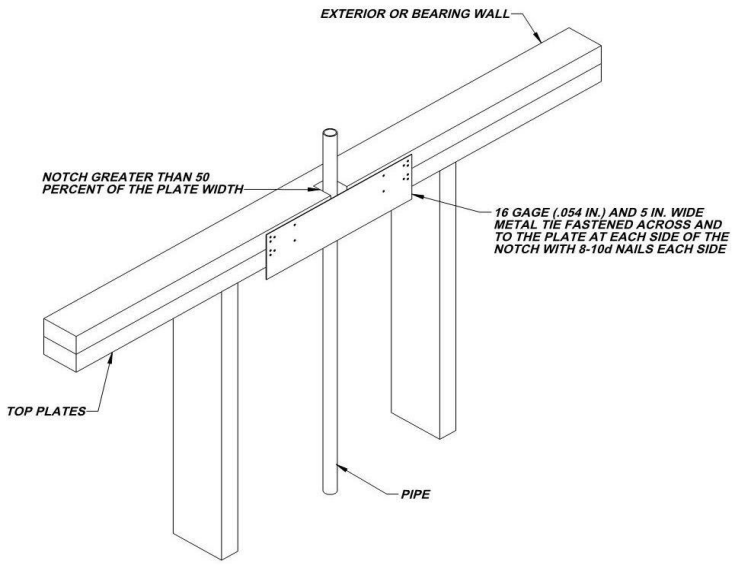
Section R401.2. Requirements. *{existing text unchanged} …*

Every foundation and/or footing, or any size addition to an existing post-tension foundation, regulated by this code shall be designed and sealed by a Texas-registered engineer.

Section R602.6.1; change to read as follows:

R602.6.1 Drilling and notching of top plate. When piping or ductwork is placed in or partly in an exterior wall or interior load-bearing wall, necessitating cutting, drilling or notching of the top plate by more than 50 percent of its width, a galvanized metal tie not less than 0.054 inch thick (1.37 mm) (16 Ga) and 5 inches (127 mm) wide shall be fastened across and to the plate at each side of the opening with not less than eight 10d (0.148 inch diameter) having a minimum length of 1 ½ inches (38 mm) at each side or equivalent. Fasteners will be offset to prevent splitting of the top plate material. The metal tie must extend a minimum of 6 inches past the opening. See Figure R602.6.1. *{remainder unchanged}*

Figure R602.6.1; delete the figure and insert the following figure:



Add section R703.8.4.1.2 Veneer Ties for Wall Studs; to read as follows:

R703.8.4.1.2 Veneer Ties for Wall Studs. In stud framed exterior walls, all ties may be anchored to studs as follows:

1. When studs are 16 in (407 mm) o.c., stud ties shall be spaced no further apart than 24 in (737 mm) vertically starting approximately 12 in (381 mm) from the foundation; or
2. When studs are 24 in (610 mm) o.c., stud ties shall be spaced no further apart than 16 in (483 mm) vertically starting approximately 8 in (254 mm) from the foundation.

Section R903.4; change to read as follows:

R903.4 Roof drainage. Where roofs are sloped to drain over roof edges, a gutter system shall be installed to prevent erosion of soil adjacent to building and structure foundations. Gutters shall be made of a noncombustible material. Where roofs are designed to drain to low points and not over roof edges, roof drains shall be installed at each low point of the roof.

Chapter 11 [RE] – Energy Efficiency is deleted in its entirety and replaced to read as follows:

Chapter 11 ENERGY EFFICIENCY

N1101.1 Scope. This Chapter regulates the energy efficiency for the design and construction of buildings regulated by this Code.

N1101.2 Compliance. Compliance shall be demonstrated by meeting the requirements of the residential provisions of the 2021 International Energy Conservation Code.

Section M1305.1.2; change to read as follows:

M1305.1.2 Appliances in attics. Attics containing appliances shall be provided . . . {*bulk of paragraph unchanged*} . . . side of the appliance. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), and large enough to allow removal of the largest appliance. As a minimum, for access to the attic space, provide one of the following:

1. A permanent stair.
2. A pull-down stair with a minimum 300 lb (136 kg) capacity.
3. An *access* door from an upper floor level.

   Exceptions: *{remaining text unchanged}*

Section M1411.3; change to read as follows:

M1411.3 Condensate disposal. Condensate from all cooling coils or evaporators shall be conveyed from the drain pan outlet to a sanitary sewer through a trap, by means of a direct or indirect drain. *{remaining text unchanged}*

Section M1411.3.1, Items 3 and 4; add text to read as follows:

M1411.3.1 Auxiliary and secondary drain systems. *{bulk of paragraph unchanged}*

1. *{text unchanged}*
2. *{text unchanged}*
3. An auxiliary drain pan… *{bulk of text unchanged}…* with Item 1 of this section. A water level detection device may be installed only with prior approval of the building official.
4. A water level detection device… *{bulk of text unchanged}…* overflow rim of such pan. A water level detection device may be installed only with prior approval of the building official.

Section M1411.3.1.1; add text to read as follows:

M1411.3.1.1 Water-level monitoring devices. On down-flow units …*{bulk of text unchanged}*… installed in the drain line. A water level detection device may be installed only with prior approval of the building official.

M1503.6 Makeup Air Required; change and add exception as follows:

M1503.6 Makeup air required. Where one or more gas, liquid or solid fuel-burning appliance that is neither direct-vent nor uses a mechanical draft venting system is located within a dwelling unit's air barrier, each exhaust system capable of exhausting in excess of 400 cubic feet per minute (0.19 m^3/s) shall be mechanically or passively provided with makeup air at a rate approximate to the difference between exhaust air rate and 400 cubic feet per minute. Such makeup air systems shall be equipped with not fewer than one damper complying with Section M1503.6.2.

Exception*:* Makeup air is not required for exhaust systems installed for the exclusive purpose of space cooling and intended to be operated only when windows or other air inlets are open**.** Where all appliances in the house are of sealed combustion, power-vent, unvented, or electric, the exhaust hood system shall be permitted to exhaust up to 600 cubic feet per minute (0.28 m3/s) without providing makeup air. Exhaust hood systems capable of exhausting in excess of 600 cubic feet per minute (0.28 m3/s) shall be provided with a makeup air at a rate approximately to the difference between the exhaust air rate and 600 cubic feet per minute.

Section M2005.2; change to read as follows:

M2005.2 Prohibited locations. Fuel-fired water heaters shall not be installed in a room used as a storage closet. Water heaters located in a bedroom or bathroom shall be installed in a sealed enclosure so that combustion air will not be taken from the living space. Access to such enclosure may be from the bedroom or bathroom when through a solid door, weather-stripped in accordance with the exterior door air leakage requirements of the International Energy Conservation Code and equipped with an approved self-closing device. Installation of direct-vent water heaters within an enclosure is not required.

Section G2408.3 (305.5) Private Garages; delete this section in its entirety.

Section G2415.2 (404.2) CSST; add a second paragraph to read as follows:

Both ends of each section of medium pressure gas piping shall identify its operating gas pressure with an approved tag. The tags are to be composed of aluminum or stainless steel and the following wording shall be stamped into the tag:

"WARNING: 1/2 to 5 psi gas pressure - Do Not Remove"

Section G2415.12 (404.12) and G2415.12.1 (404.12.1); change to read as follows:

G2415.12 (404.12) Minimum burial depth. Underground piping systems shall be installed a minimum depth of 18 inches (457 mm) below grade.

G2415.12.1 (404.12.1) Individual Outdoor Appliances; Delete in its entirety

Section G2417.1 (406.1); change to read as follows:

G2417.1 (406.1) General. Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested to determine that the materials, design, fabrication, and installation practices comply with the requirements of this code. The permit holder shall make the applicable tests prescribed in Sections 2417.1.1 through 2417.1.5 to determine compliance with the provisions of this code. The permit holder shall give reasonable advance notice to the building official when the piping system is ready for testing. The equipment, material, power and labor necessary for the inspections and test shall be furnished by the permit holder and the permit holder shall be responsible for determining that the work will withstand the test pressure prescribed in the following tests.

Section G2417.4; change to read as follows:

G2417.4 (406.4) Test pressure measurement. Test pressure shall be measured with a monometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made.

Section G2417.4.1; change to read as follows:

G2417.4.1 (406.4.1) Test pressure. The test pressure to be used shall be no less than 3 psig (20 kPa gauge), or at the discretion of the Building Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 ½"), a set hand, 1/10 pound incrementation and pressure range not to exceed 6 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 ½"), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 20 psi. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa) (7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

Diaphragm gauges used for testing must display a current calibration and be in good working condition. The appropriate test must be applied to the diaphragm gauge used for testing.

Section G2417.4.2; change to read as follows:

G2417.4.2 (406.4.2) Test duration. The test duration shall be held for a length of time satisfactory to the Building Official, but shall in no case be for less than fifteen (15) minutes. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the Building Official, but in no case for less than thirty (30) minutes.

Section G2420.1 (406.1); add Section G2420.1.4 to read as follows:

G2420.1.4 Valves in CSST installations. Shutoff valves installed with corrugated stainless steel (CSST) piping systems shall be supported with an approved termination fitting, or equivalent support, suitable for the size of the valves, of adequate strength and quality, and located at intervals so as to prevent or damp out excessive vibration but in no case greater than 12-inches from the center of the valve. Supports shall be installed so as not to interfere with the free expansion and contraction of the system's piping, fittings, and valves between anchors. All valves and supports shall be designed and installed so they will not be disengaged by movement of the supporting piping.

Section G2420.5.1 (409.5.1); add text to read as follows:

G2420.5.1 (409.5.1) Located within the same room. The shutoff valve… *{bulk of paragraph unchanged}…* in accordance with the appliance manufacturer's instructions. A secondary shutoff valve must be installed within 3 feet (914 mm) of the firebox if appliance shutoff is located in the firebox.

Section G2421.1 (410.1); add text and Exception to read as follows:

G2421.1 (410.1) Pressure regulators. A line pressure regulator shall be *… {bulk of paragraph unchanged}…* approved for outdoor installation. Access to regulators shall comply with the requirements for access to appliances as specified in Section M1305.

Exception: A passageway or level service space is not required when the regulator is capable of being serviced and removed through the required attic opening.

Section G2422.1.2.3 (411.1.3.3) Prohibited locations and penetrations; delete Exception 1 and Exception 4.

Section G2448.1.1 (624.1.1); change to read as follows:

G2448.1.1 (624.1.1) Installation requirements. The requirements for water heaters relative to access, sizing, relief valves, drain pans and scald protection shall be in accordance with this code.

Section P2603; add to read as follows:

P2603.3 Protection against corrosion. Metallic piping, except for cast iron, ductile iron and galvanized steel, shall not be placed in direct contact with steel framing members, concrete or cinder walls and floors or other masonry. Metallic piping shall not be placed in direct contact with corrosive soil. Where sheathing is used to prevent direct contact, the sheathing shall have a thickness of not less than 0.008 inch (8 mil) (0.203 mm) and the sheathing shall be made of approved material. Where sheathing protects piping that penetrates concrete or masonry walls or floors, the sheathing shall be installed in a manner that allows movement of the piping within the sheathing.

Section P2603.5.1 Sewer Depth; change to read as follows:

P2603.5.1 Sewer depth. Building sewers that connect to private sewage disposal systems shall be a minimum of 12 inches (304 mm) below finished grade at the point of septic tank connection. Building sewers shall be a minimum of 12 inches (304 mm) below grade.

Section P2801.6.1; change to read as follows:

Section P2801.6.1 Pan size and drain. The pan shall be not less than 1 1/2 inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 3/4 inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table P2906.5.
Multiple pan drains may terminate to a single discharge piping system when approved by the administrative authority, permitted and installed per manufacturer's installation instructions and installed with those instructions. {*existing text unchanged}*

Section P2804.6.1; change to read as follows:

Section P2804.6.1 Requirements for discharge piping. The discharge piping serving a pressure relief valve, temperature relief valve or combination thereof shall:

1. Not be directly connected to the drainage system.
2. Discharge through an air gap.
3. Not be smaller than the diameter of the outlet of the valve served and shall discharge full size to the air gap.
4. Serve a single relief device and shall not connect to piping serving any other relief device or equipment.

   Exception: Multiple relief devices may be installed to a single T & P discharge piping system when approved by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions.
5. Discharge to an approved location or to the outdoors.

[remainder unchanged]

Section P2902.5.3; change to read as follows:

P2902.5.3 Lawn irrigation systems. The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric-type vacuum breaker, a pressure-type vacuum breaker, a double-check assembly or a reduced pressure principle backflow preventer. A valve shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow preventer.

Section P3003.9; delete Exception and change to read as follows:

P3003.9.2 Solvent cementing. Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D 2564, 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 D 2855. Solvent cement joints shall be permitted above or below ground.

Section P3111 Combination waste and vent systems; delete this section in its entirety.

Section P3112.2 Vent Connection; delete and replace with the following:

P3112.2 Installation. Traps for island sinks and similar equipment shall be roughed in above the floor and may be vented by extending the vent as high as possible, but not less than the drainboard height and then returning it downward and connecting it to the horizontal sink drain immediately downstream from the vertical fixture drain. The return vent shall be connected to the horizontal drain through a wye-branch fitting and shall, in addition, be provided with a foot vent taken off the vertical fixture vent by means of a wye-branch immediately below the floor and extending to the nearest partition and then through the roof to the open air or may be connected to other vents at a point not less than six (6) inches (152 mm) above the flood level rim of the fixtures served. Drainage fittings shall be used on all parts of the vent below the floor level and a minimum slope of one-quarter (1/4) inch per foot (20.9 mm/m) back to the drain shall be maintained. The return bend used under the drain-board shall be a one (1) piece fitting or an assembly of a forty-five (45) degree (0.79 radius), a ninety (90) degree (1.6 radius) and a forty-five (45) degree (0.79 radius) elbow in the order named. Pipe sizing shall be as elsewhere required in this Code. The island sink drain, upstream of the return vent, shall serve no other fixtures. An accessible cleanout shall be installed in the vertical portion of the foot vent.

Chapters 34 – 43 of the 2021 International Residential Code are amended by deleting these chapters in their entirety and replacing with the 2020 National Electrical Code as adopted and amended by the Town of Prosper.

END