



Legal Notice

Date: 11/17/2022

Subject: An ordinance of the City of Littleton, Colorado, repealing and reenacting Chapter 1 Building Codes of Title 4 Building Regulations, and Chapter 2 Fire Prevention of Title 5 Fire Regulations, of the Littleton City Code through adoption of general and administrative provisions and the adoption, by reference of: the 2021 International Building Code; 2021 International Residential Code; 2021 International Mechanical Code; 2021 International Plumbing Code; 2021 Fuel Gas Code; 2021 International Energy Conservation Code; 2021 International Existing Building Code; 2021 International Property Maintenance Code; 2021 International Fire Code, The 2020 version of the National Electric Code; And the 1997 Uniform Code for the Abatement Of Dangerous Buildings as amended

Passed/Failed: Passed on second and final reading on 11/15/2022

CITY OF LITTLETON, COLORADO

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CITY OF LITTLETON, COLORADO

ORDINANCE NO. 26

Series, 2022

AN ORDINANCE OF THE CITY OF LITTLETON, COLORADO, REPEALING AND REENACTING CHAPTER 1 BUILDING CODES OF TITLE 4 BUILDING REGULATIONS, AND CHAPTER 2, FIRE PREVENTION OF TITLE 5, FIRE REGULATIONS, OF THE LITTLETON CITY CODE THROUGH THE ADOPTION OF GENERAL AND ADMINISTRATIVE PROVISIONS AND THE ADOPTION, BY REFERENCE OF: THE 2021 INTERNATIONAL BUILDING CODE; 2021 INTERNATIONAL RESIDENTIAL CODE; 2021 INTERNATIONAL MECHANICAL CODE; 2021 INTERNATIONAL PLUMBING CODE; 2021 FUEL GAS CODE; 2021 INTERNATIONAL ENERGY CONSERVATION CODE; 2021 INTERNATIONAL EXISTING BUILDING CODE; 2021 INTERNATIONAL PROPERTY MAINTENANCE CODE; 2021 INTERNATIONAL FIRE CODE, THE 2020 VERSION OF THE NATIONAL ELECTRIC CODE; AND THE 1997 UNIFORM CODE FOR THE ABATEMENT OF DANGEROUS BUILDINGS AS AMENDED

WHEREAS, the City Council of the City of Littleton desires to update the City of Littleton Building and Fire Codes to reflect recent changes to many of the International Codes that the City has adopted in the past; and

WHEREAS, the City Council deems it to be in the best interests of the public health, safety and welfare that the above-mentioned codes and various amendments thereto be adopted.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF LITTLETON, COLORADO, THAT:

Section 1: Chapter 1 Building Codes of Title 4, Building Regulation of the Littleton City Code is hereby amended to read as follows:

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37 **4-1-1: CODES ADOPTED:**

38 The following codes are hereby adopted for use and regulation of buildings and structures within
39 the City; said codes shall be available for public inspection at all reasonable hours in the Office of
40 the Building Inspection Division and in the Office of the City Clerk.

41 A. International Building Code, 2021 edition, of the International Code Council.

42 B. International Residential Code, 2021 edition, of the International Code Council.

43 C. International Mechanical Code, 2021 edition, of the International Code Council.

44 D. National Electric Code, 2020 edition, of the National Fire Protection Association.

45 E. International Plumbing Code, 2021 edition, of the International Code Council.

46 F. International Fuel Gas Code, 2021 edition, of the International Code Council.

47 G. International Property Maintenance Code, 2021 edition, of the International Code Council

48 H. International Energy Conservation Code, 2021 edition, of the International Code Council.

49 I. International Existing Building Code, 2021 edition, of the International Code Council.

50 J. International Fire Code, 2021 edition, of the International Code Council.

51 K. Uniform Code for the Abatement of Dangerous Buildings, 1997 edition, of the International
52 Conference of Building Officials.

53 **4-1-2: OFF-SITE IMPROVEMENTS:**

54 **A. Approval of Plans Required:** No building permit shall be issued by the administration until
55 plans for installation of off-site improvements, in conformity with the standards of the City, have
56 been submitted and approved.

57 **B. Definitions:**

58 **ADMINISTRATION:** The City Manager or a duly appointed representative thereof.

59 **OFF-SITE IMPROVEMENTS:** For the purpose of this section, shall mean any physical
60 improvement above or below ground, required by the City to be installed in an alley, street,
61 or other public right-of-way or easement or publicly owned property adjacent to property
62 for which a building permit is being sought for the purposes of development,

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63 redevelopment or other construction. (Included within this definition shall be curb, gutter,
64 sidewalk, paving, drainage structures, fire hydrants, etc.)

65 **C. Performance Bond or Cash Deposit:** The administration shall deny final approval and
66 certificate of occupancy of any building until the required off-site improvements are completed
67 and have been inspected and approved, unless completion of the off-site improvements is
68 guaranteed by a performance bond, cash deposit, letter of credit or other obligation approved by
69 the administration and the city attorney for a sum determined by the administration to be adequate
70 to effect the improvements as required.

71 Performance guarantees shall be returned to the depositor upon the approval of the administration
72 subsequent to the completion of the off-site improvements. Such guarantees, or a portion thereof,
73 as determined by the administration, may be retained by the city as compensation for performing
74 the plans, provided further that the depositor shall have failed, or refused, to install the work within
75 thirty (30) days after receipt of a notice in writing from the administration.

76 **D. Adequate Street Access Required:** No building permit shall be issued by the administration
77 until the public street and access to within twenty-five feet (25') of the building for which such
78 permit is requested shall be completed with a minimum base course of at least two inch (2")
79 asphaltic material or other dustproof, non-erodible material as may be accepted by the
80 administration for the purpose of providing access to the site for both construction and emergency
81 service vehicles prior to the initiation of construction.

82 **E. Waiver of Off-site Improvement Requirements:** In the event it is desired by the city to delay
83 installation of off-site improvements because of practical difficulties such as conflict with
84 proposed public improvements, efficiency of coordination or other matters, the administration is
85 hereby empowered to waive, for a temporary period, only the requirement of installation of off-
86 site improvements, but such waiver shall be predicated only upon the owner signing a contract to
87 approve creation of an improvement district and in any event to install said off-site improvements
88 within thirty (30) days of written notice of the administration.

89 **4-1-3: APPEALS:**

90 Whenever reference is made in any of the codes adopted in section 4-1-1 of this chapter, to the
91 board of appeals or to the housing advisory and appeals board, said codes shall be amended to
92 refer to the building board of appeals and any appeal to the board of appeals or the housing advisory
93 and appeals board shall be to the building board of appeals. An appeal must be taken within ten
94 (10) days of the final decision of the city's building official. All appeals shall be in writing on
95 forms provided by the city and shall be filed with the building official who shall then schedule a
96 hearing on the appeal at the next regular session of the building board of appeals.

97 **4-1-4: EXEMPTIONS, BUILDING PERMIT FEES:**

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98 All federal, state, school and county governmental units as well as other tax supported institutions
99 are hereby exempt for the payment of building permit fees as the same are set forth in a resolution
100 of the city council from time to time; however, nothing herein contained shall be interpreted as
101 doing away with the requirement for application for building permits by such governmental entities
102 and for the conducting of inspections by the city and compliance with all applicable city codes by
103 the governmental entity.

104 **4-1-5: AMENDMENTS TO CODES:**

105 Administrative provisions in Section 4-1-5(A) shall apply to permits issued for work related to
106 grading, excavation, floodplain or rights-of way under the jurisdiction of the City of Littleton. The
107 amendments contained within Section 4-1-5 (B) through (I) shall apply to those codes adopted in
108 Section 4-1-1 of this Title.

109 **A. Administrative Provisions:**

110 **1. Purpose and Scope:** All administrative provisions contained within the codes adopted
111 in Section 4-1-1 of this chapter are in full force and effect as amended in Section 4-1-5 (B)
112 of this chapter and are authorized and enforceable as provided for within those codes.
113 Administrative provisions contained within this section are enforceable by the City
114 Engineer, Chief Building Official, or designee, as they relate to permits issued for work
115 related to grading, excavation, floodplain or rights-of way under the jurisdiction of the City
116 of Littleton.

117 The purpose of this chapter is to establish minimum requirements to safeguard the public
118 health, safety and general welfare.

119 **2. Alternate Materials Design and Methods of Construction and Equipment:**

120 **a. Tests:** Whenever there is insufficient evidence of compliance with the provisions of the
121 applicable codes regarding the use of an alternate material design or method of construction
122 and equipment, or evidence that a proposed material design or method of construction and
123 equipment does not conform to the requirements of the applicable codes, the building
124 official or city engineer may require that tests be made at the expense of the proponent of
125 the questioned material design or method of construction and equipment.

126 1. Test methods shall be as specified by the building official, city engineer, or by
127 other recognized test standards. In the absence of recognized and accepted test
128 methods of the proposed alternate material design or method of construction and
129 equipment, the building official or city engineer shall determine which test
130 procedures are appropriate.

131 2. All tests shall be made by an approved agency. Reports of such tests shall be
132 retained by the building official.

133 **b. Modifications:** Whenever there are practical difficulties involved in complying with
134 the provisions of the applicable codes, the building official or city engineer shall have the
135 authority to grant modifications for individual cases, provided they shall first find that a
136 special individual reason makes the strict letter of the applicable codes impractical; that the
137 modification is consistent with the intent and purpose of the applicable code; and that such
138 modification will not lessen health, safety or general welfare requirements. Any decision
139 granting a modification shall be documented by the individual granting such modification
140 and shall include the reasons therefor.

141 **3. Duties and Powers of City Engineer:**

142 **a. General:** The City Engineer or designee is authorized to enforce all the provisions of
143 this chapter as it relates to grading, excavation, floodplain or right-of way permits.

144 **b. Applications and Permits:** The City Engineer or designee shall receive applications,
145 review construction documents and issue permits for work related to grading, excavation,
146 floodplain or rights-of way and is authorized to inspect the work for which such permits
147 have been issued and enforce compliance with the provisions of applicable code.

148 **c. Inspections:** The City Engineer or their appointed representative shall make all of the
149 required inspections. Reports of such inspections shall be in writing and be certified by a
150 responsible officer of such approved agency or by the responsible individual.

151 The City Engineer is authorized to engage such expert opinion as deemed necessary to
152 report upon unusual technical issues that arise, subject to the approval of the appointing
153 authority.

154 **d. Department Records:** The City Engineer shall keep official records of permits, and
155 fees collected, reports of inspections and notices and orders issued. Such records shall be
156 retained in official records for the period required for retention of public records.

157 **e. Stop Work Orders:** Whenever any work is being done in violation of the provisions of
158 the applicable code or other ordinances implemented through the enforcement of the
159 applicable code or in a dangerous or unsafe manner, the City engineer may order the work
160 stopped by issuing a notice in writing and serving it upon any persons engaged in doing
161 such work or causing such work to be done. Upon receipt of the notice, such persons shall
162 stop work until authorized by the City Engineer to proceed with the work. It is unlawful to
163 continue any work after receipt of a notice to stop work except such work as directed to
164 remove a violation or unsafe condition. Each day that work is continued after receipt of a
165 notice shall constitute a separate violation of this code.

166 **f. Enforcement of adopted Building Codes:** The City Engineer shall enforce provisions
167 contained within Sections 104.10.1, 1612.3, 1612.4, 1804.5, and Chapter 32, Appendix G,
168 and Appendix J of the IBC as amended in 4-1-5(B), and R104.10.1 and R106.1.4 of the
169 IRC.

170 **4. Authority to Disconnect Utilities in Emergencies:** In the case of an emergency, where
171 it is necessary to eliminate an immediate hazard to life or property, the City Engineer or
172 their authorized representative shall have the authority to cause the disconnection of fuel
173 gas utility service or energy supplies to a building, structure, premises, or equipment
174 regulated by the code(s) with which the City Engineer has been granted enforcement
175 authority. The City Engineer shall, whenever possible, notify the serving utility, the owner,
176 and the occupant of the building, structure, or premises of the decision to disconnect prior
177 to taking such action.

178 **5. Permits Required:**

179 **a. General:** No person shall perform work related to grading, excavation, floodplain or
180 rights-of way under the jurisdiction of the City of Littleton without first obtaining a permit
181 for all such work from the City, except as follows:

182 1. Grading, excavation, floodplain or right-of way work authorized and approved
183 by the City Engineer or designee under a duly authorized building permit.

184 2. A public utility, duly franchised or authorized as such in the city, shall not be
185 required to obtain a permit prior to performing emergency maintenance or repairs
186 on its equipment, building, or structure, when necessary to sustain service or protect
187 life or property; provided, however, that the public utility shall obtain a permit for
188 the work as soon as it is practical to do so.

189 3. Public utilities duly franchised or authorized as such in the city, shall not be
190 required to obtain a permit for the installation, alteration or repair of generation,
191 transmission, or distribution equipment that is under the ownership and control of
192 the public utility, except for work located within the public right-of-way.

193 **6. Excavation and Grading:**

194 **a. Purpose:** The City Engineer or designated representative shall enforce provisions of
195 this section. This subsection sets forth rules and regulations to control excavation, grading
196 and earthwork construction, including fills and embankments; establishes the
197 administrative procedure for issuance of permits; and provides for approval of plans and
198 inspection of grading construction, to provide additional information or clarification of
199 requirements located in Appendix J of the IBC. Requirements for Grading Permits are also

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200 contained in the latest edition of the City of Littleton Storm Drainage Design and Technical
201 Criteria Manual (city's storm drainage criteria), Chapter 13.

202 **b. Exempted Work:** A grading permit is not required for the exemptions contained
203 in the IBC Section J103.2, unless indicated otherwise in the city's storm drainage criteria
204 manual.

205 **c. Hazards:** Whenever the City Engineer determines that any existing excavation or
206 embankment or fill on private property has become a hazard to life and limb, or endangers
207 property, or adversely affects the safety, use or stability of a public way or drainage
208 channel, the owner of the property upon which the excavation or fill is located, or other
209 person or agent in control of said property, upon receipt of notice in writing from the City
210 Engineer shall within the period specified therein repair or eliminate such excavation or
211 embankment to eliminate the hazard and to be in conformance with the requirements of
212 this code.

213 **d. Grading Fees:** Fees for grading permits, including the plan review fee, shall be by
214 a resolution adopted by the city council from time to time.

215 **e. Bonds:** The engineering division may require bonds in such form and amounts as
216 may be deemed necessary to ensure that the work, if not completed in accordance with the
217 approved plans and specifications, will be corrected to eliminate hazardous conditions. In
218 lieu of a surety bond the applicant may file a cash bond or instrument of credit with the
219 engineering division in an amount equal to that which would be required in the surety bond.

220 **f. Cuts:** The slope of cut surfaces shall be no steeper than is safe for the intended use
221 and shall be no steeper than one unit vertical to two (2) units horizontal unless the permittee
222 furnishes a certified soils engineering or a certified engineering geology report, or both,
223 stating that the site has been investigated and giving an opinion that a cut at a steeper slope
224 will be stable and not create a hazard to the public or private property. Such certified
225 engineering report shall be prepared by a Professional Engineer licensed in the state of
226 Colorado.

227 **g. Fills:** Fills slopes shall not be constructed on natural slopes steeper than one unit
228 vertical in two (2) units horizontal unless the permittee furnishes a certified soils
229 engineering or certified geology report, or both, stating that the site has been investigated
230 and giving an opinion that a fill at a steeper slope will be stable and not create a hazard to
231 the public or private property. Such certified engineering report shall be prepared by a
232 Professional Engineer licensed in the state of Colorado. Drainage And Terracing: Terraces
233 widths and spacing for cut and fill slopes greater than one hundred twenty feet (120') in
234 height shall be designed by a Professional Engineer licensed in the State of Colorado and
235 approved by the City Engineer. Grading Inspections: Grading operations for which a permit
236 is required shall be subject to inspection by the City Engineer. As needed, professional

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237 inspection of grading operations may be required of the permittee and provided by the civil
238 engineer and the soils engineer retained by the permittee to provide such services during
239 design.

240 The civil engineer shall provide professional inspection with such engineer's area of
241 technical specialty, which shall consist of observation and review as to the establishment
242 of line, grade and surface drainage of the development area. If revised plans are required
243 during the course of the work, they shall be prepared by the civil engineer.

244 The soils engineer shall provide professional inspection within such engineer's area of
245 technical specialty, which shall include observation during grading and testing for required
246 compaction. The soils engineer shall provide sufficient observation during the preparation
247 of the natural ground and placement and compaction of the fill to verify that such work is
248 being performed in accordance with the conditions of the approved plan and the appropriate
249 requirements of this section.

250 **h. Drainage And Terracing:** Terraces widths and spacing for cut and fill slopes
251 greater than one hundred twenty feet (120') in height shall be designed by a Professional
252 Engineer licensed in the State of Colorado and approved by the City Engineer.

253 **i. Grading Inspections:** Grading operations for which a permit is required shall be
254 subject to inspection by the City Engineer. As needed, professional inspection of grading
255 operations may be required of the permittee and provided by the civil engineer and the soils
256 engineer retained by the permittee to provide such services during design.

257 The civil engineer shall provide professional inspection with such engineer's area of
258 technical specialty, which shall consist of observation and review as to the establishment
259 of line, grade and surface drainage of the development area. If revised plans are required
260 during the course of the work, they shall be prepared by the civil engineer.

261 The soils engineer shall provide professional inspection within such engineer's area of
262 technical specialty, which shall include observation during grading and testing for required
263 compaction. The soils engineer shall provide sufficient observation during the preparation
264 of the natural ground and placement and compaction of the fill to verify that such work is
265 being performed in accordance with the conditions of the approved plan and the appropriate
266 requirements of this section.

267 **j. Reports And Drawings Required:** Upon completion of the rough grading work
268 or the final completion of the work as determined by the City Engineer, the following
269 reports and drawings and supplements may be required.

270 **i** An as built grading plan prepared by the civil engineer retained to provide
271 such services showing original ground surface elevations, as graded ground surface

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272 elevations, lot drainage patterns, and the locations and elevations of surface
273 facilities and of the outlets of subsurface drains. As constructed locations,
274 elevations and details of subsurface drains shall be shown as reported by the soils
275 engineer. Civil engineers shall state that to the best of their knowledge the work
276 within their area of responsibility was done in accordance with the final approved
277 grading plan.

278 **ii.** If required, a report prepared by the soils engineer retained to provide such
279 services, including locations and elevations of field density tests, summaries of field
280 and laboratory tests, other substantiating data, and comments on any changes made
281 during grading and their effect on the recommendations made in the approved soils
282 engineering investigation report. Soils engineers shall submit a statement that, to
283 the best of their knowledge, the work within their area of responsibilities is in
284 accordance with the approved soils engineering and applicable provisions of this
285 chapter.

286 **iii.** The permittee shall notify the City Engineer when the grading operation is ready
287 for final inspection. Final approval shall not be given until all work, including
288 installation of all drainage facilities and their protective devices, and all erosion
289 control measures have been completed in accordance with the final approved
290 grading plan, and the required reports have been submitted.

291
292 **7. Contractor License Required:** Requirements for a city of Littleton contractor license
293 shall be in accordance with Title 3, chapter 16 of this code.

294 **8. Floodplain:** Construction in the floodplain shall conform to the requirements located in
295 Title 10, chapter 7 of the municipal code.

296
297 **Section 2:** Title 4, Chapter 1, Section 5, Subsection (B) of the City of Littleton
298 Municipal code is hereby repealed and reenacted to read as follows:

299
300 **4-1-5(B):** Amendments to the 2021 International Building Code:
301 The 2021 International Building Code is hereby adopted by reference and amended as follows:

302
303 1. Section [A]101.1 Title, is amended to read as follows:
304
305 [A]101.1 Title. These regulations shall be known as the Building Code of City of Littleton,
306 Colorado, hereinafter referred to as “this code.”

307
308 2. Section [A]103.1 Creation of enforcement agency, is amended to read as follows:
309

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310 [A]103.1 Creation of enforcement agency. The City of Littleton Building Division is
311 hereby created and the official in charge thereof shall be known as the building official.
312 The function of the agency shall be the implementation, administration and enforcement
313 of the provisions of this code.

- 314
- 315 3. Section [A]105.1.1 Annual Permit, is hereby deleted.
 - 316
 - 317 4. Section [A]105.1.2 Annual permit records, are hereby deleted.
 - 318
 - 319 5. Section [A]105.2 Work exempt from permit, is hereby amended to read as follows:

320

321 [A]105.2 Work exempt from permit.

322 Exemptions from permit requirements of this code shall not be deemed to grant
323 authorization for any work to be done in any manner in violation of the provisions of this
324 code or any other laws or ordinances of this jurisdiction. Permits shall not be required for
325 the following:

- 326
- 327 Building:
- 328 1. One-story detached accessory structures used as tool and storage sheds, playhouses and
329 similar uses, provided that the floor area is not greater than 120 square feet (11 m²) or the
330 height of the highest point of the roof measured from grade does not exceed eight (8) feet.
 - 331 3. Oil derricks.
 - 332 4. Retaining walls that are not over 2 feet (609 mm) in height measured from the bottom
333 of the footing to the top of the wall, unless supporting a surcharge or impounding Class I,
334 II or IIIA liquids.
 - 335 5. Water tanks supported directly on grade if the capacity is not greater than 5,000 gallons
336 (18 925 L) and the ratio of height to diameter or width is not greater than 2:1.
 - 337 6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and
338 not over any basement or story below and are not part of an accessible route.
 - 339 7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work that
340 are not required to comply with other portions of this or other adopted codes or are not a
341 part of another project or the scope of which requires a permit in accordance with 105.1.
 - 342 8. Temporary motion picture, television and theater stage sets and scenery.
 - 343 9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24
344 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed
345 entirely above ground.
 - 346 10. Shade cloth structures constructed for nursery or agricultural purposes, not including
347 service systems.
 - 348 11. Swing and other playground equipment accessory to detached one- and two-family
349 dwellings.

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350 12. Window awnings in Group R-3 and U occupancies, supported by an exterior wall that
351 do not project more than 54 inches (1372 mm) from the exterior wall and do not require
352 additional support.

353 13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9
354 inches (1753 mm) in height.

355
356 Electrical:

357 1. Repairs and maintenance: Minor repair work, including the replacement of lamps or the
358 connection of approved portable electrical equipment to approved permanently installed
359 receptacles.

360 2. Radio and television transmitting stations: The provisions of this code shall not apply to
361 electrical equipment used for radio and television transmissions but do apply to equipment
362 and wiring for a power supply and the installations of towers and antennas.

363 3. Temporary testing systems: A permit shall not be required for the installation of any
364 temporary system required for the testing or servicing of electrical equipment or apparatus.

365
366 Gas:

367 1. Portable heating appliance.

368 2. Replacement of any minor part that does not alter approval of equipment or make such
369 equipment unsafe.

370
371 Mechanical:

372 1. Portable heating appliances.

373 2. Portable ventilation appliances and equipment.

374 3. Portable cooling units.

375 4. Steam, hot water or chilled water piping within any heating or cooling equipment or
376 appliances regulated by this code.

377 5. The replacement of any minor part that does not alter the approval of equipment or an
378 appliance or make such equipment or appliance unsafe.

379 6. Portable evaporative coolers.

380 7. Self-contained refrigeration systems that contain 10 pounds (4.5 kg) or less of
381 refrigerant, or that are actuated by motors of 1 horsepower (0.75 kW) or less.

382 8. Portable fuel cell appliances that are not connected to a fixed piping system and are not
383 interconnected to a power grid.

384
385 Plumbing:

386 1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that
387 if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it
388 becomes necessary to remove and replace the same with new material, such work shall be
389 considered as new work and a permit shall be obtained and inspection made as provided in
390 this code.

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391 2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the
392 removal and reinstallation of water closets, provided that such repairs do not involve or
393 require the replacement or rearrangement of valves, pipes or fixtures.

394
395 6. Section [A] 105.5 Expiration is hereby amended to read as follows:
396

397 [A]105.5 Expiration. Every permit issued shall become invalid unless the work on the site
398 authorized by such permit is commenced within 180 days after its issuance, or if the work
399 authorized on the site by such permit is suspended or abandoned for a period of 180 days,
400 and shall expire 365 days after issuance, regardless of activity, unless an extension of the
401 permit is granted by the Building Official. The building official is authorized to grant, in
402 writing, one or more extensions of time, for periods not more than 180 days each. The
403 extension shall be requested in writing and justifiable cause demonstrated.
404

405 7. Section [A]106.1 Live loads posted, is hereby deleted in its entirety.
406

407 8. Section [A]106.2 Issuance of certificate of occupancy, is hereby deleted in its entirety.
408

409 9. Section [A]109.3 Permit valuations, is hereby amended to read as follows:
410

411 [A]109.3 Permit valuations.

412 The applicant for a permit shall provide an estimated permit value at time of application.
413 Permit valuations shall reflect the total value of all work, including materials and labor, for
414 which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment,
415 permanent systems and all finish work. If, in the opinion of the building official, the
416 valuation is underestimated on the application, the permit shall be denied, unless the
417 applicant can show detailed estimates to meet the approval of the building official. Final
418 building permit valuation shall be set by the building official.
419

420 10. Section [A]115.2 Issuance, is hereby amended to read as follows:
421

422 [A]115.2 Issuance.

423 The stop work order shall be in writing and shall be given to the owner of the property, the
424 owner's authorized agent or the person performing the work or, if the owner, owner's agent
425 or person performing the work is not present, the stop work order shall be posted on the
426 structure or property. Upon issuance of a stop work order, the cited work shall immediately
427 cease. The stop work order shall state the reason for the order and the conditions under
428 which the cited work is authorized to resume.
429

430
431 11. Section [F]903.2.8 Group R is hereby amended to read as follows:
432

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433 [F]903.2.8 Group R.
 434 An automatic sprinkler system installed in accordance with Section 903.3 shall be provided
 435 throughout all buildings with a Group R fire area other than Group R-3, one- and two-
 436 family dwellings.

437
 438 12. Table 1507.1.1(2) Underlayment Application is amended to read as follows:
 439

440 Table 1507.1.1(2) Underlayment Application.
 441

442 **TABLE 1507.1.1(2)**
 443 **UNDERLAYMENT APPLICATION**

ROOF COVERING	SECTION	MAXIMUM BASIC DESIGN WIND SPEED, $V < 140$ MPH	MAXIMUM BASIC DESIGN WIND SPEED, $V \geq 140$ MPH
Asphalt shingles	<u>1507.2</u>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>For roof slopes from 2 units vertical in 12 units horizontal (2:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. End laps shall be 4 inches and shall be offset by 6 feet. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. For roof slopes of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be one layer applied as follows: Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches, Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.</p>	Same as Maximum Basic Design Wind Speed, $V < 140$ mph except all laps shall be not less than 4 inches
Clay and concrete tile	<u>1507.3</u>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p>	Same as Maximum Basic Design Wind Speed, $V < 140$ mph except all laps shall be not

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		<p>For roof slopes from 2½ units vertical in 12 units horizontal (2½:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be not fewer than two layers applied as follows: Starting at the eave, a 19-inch strip of underlayment shall be applied parallel with the eave. Starting at the eave, a 36-inch-wide strip of underlayment felt shall be applied, overlapping successive sheets 19 inches. End laps shall be 4 inches and shall be offset by 6 feet.</p> <p>For roof slopes of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be one layer applied as follows: Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches. End laps shall be 4 inches and shall be offset by 6 feet.</p>	less than 4 inches
Metal roof panels	<u>1507.4</u>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>Apply in accordance with the manufacturer's installation instructions</p>	<p>For roof slopes from 2 units vertical in 12 units horizontal (2:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be two layers applied as follows: Apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. End laps shall be 4 inches and shall be offset by 6 feet.</p> <p>For roof slopes</p>
Metal roof shingles	<u>1507.5</u>		
Mineral-surfaced roll roofing	<u>1507.6</u>		
Slate shingles	<u>1507.7</u>		
Wood shingles	<u>1507.8</u>		
Wood shakes	<u>1507.9</u>		

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			of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be one layer applied as follows: Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 4 inches. End laps shall be 4 inches and shall be offset by 6 feet.
Photovoltaic shingles	<u>1507.16</u>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer’s installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>For roof slopes from 3 units vertical in 12 units horizontal (3:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be two layers applied as follows: Apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. End laps shall be 4 inches and shall be offset by 6 feet. Distortions in the underlayment shall not interfere with the ability of the shingles to seal.</p> <p>For roof slopes of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be one layer applied as follows: Underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.</p>	Same as Maximum Basic Design Wind Speed, $V < 140$ mph except all laps shall be not less than 4 inches

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm; 1 mile per hour = 0.447 m/s.

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13. Section 1507.1.2 Ice barriers, is hereby amended to read as follows:

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449 1507.1.2 Ice Barriers.
450 Ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll
451 roofing, slate and slate-type shingles, wood shingles, wood shakes and photovoltaic shingles
452 when not prohibited by manufacturer's installation instructions. The ice barrier shall consist of
453 not less than two layers of underlayment cemented together, or a self-adhering polymer
454 modified bitumen sheet shall be used in place of normal underlayment and extend from the
455 lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside the exterior
456 wall line of the building.

457
458 Exception: Detached accessory structures that do not contain conditioned floor area.

459
460 14. Section 1507.2.6 Attachment, is amended to read as follows:

461
462 1507.2.6 Attachment.
463 Asphalt shingles shall have the minimum number of fasteners required by the manufacturer,
464 but not less than six (6) fasteners per strip shingle or two fasteners per individual shingle.
465 Where the roof slope exceeds 21 units vertical in 12 units horizontal (21:12), shingles shall be
466 installed as required by the manufacturer.

467
468 15. Section 1507.2.7 Ice Barrier, is amended to read as follows:

469
470 1507.2.7 Ice Barrier.
471 Ice barrier is required and shall comply with Section 1507.1.2.

472
473 16. Section 1507.3.3.1, Ice barrier is hereby added to read as follows:

474
475 1507.3.3.1 Ice Barrier.
476 Ice barrier is required and shall comply with Section 1507.1.2.

477
478 17. Section 1507.4.5.1 Ice Barrier, is hereby added to read as follows:

479
480 1507.4.5.1 Ice Barrier.
481 Ice barrier is required and shall comply with Section 1507.1.2.

482
483 18. Section 1507.5.4 Ice Barrier, is hereby amended to read as follows:

484
485 1507.5.4 Ice Barrier.
486 Ice Barrier is required and shall comply with Section 1507.1.2.

487
488 19. Section 1507.6.4 Ice Barrier, is hereby amended to read as follows:

489
490 1507.6.4 Ice Barrier.

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491 Ice barrier is required and shall comply with Section 1507.1.2.

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493

494 20. Section 1507.7.4 Ice Barrier, is hereby amended to read as follows:

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496 1507.7.4 Ice Barrier.

497 Ice barrier is required and shall comply with Section 1507.1.2.

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499 21. Section 1507.8.4 Ice Barrier, is hereby amended to read as follows:

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501 1507.8.4 Ice Barrier.

502 Ice barrier is required and shall comply with Section 1507.1.2.

503

504 22. Section 1507.9.4 Ice Barrier, is hereby amended to read as follows:

505

506 1507.9.4 Ice Barrier.

507 Ice barrier is required and shall comply with Section 1507.1.2.

508

509 23. Section 1507.16.4 Ice Barrier, is hereby amended to read as follows:

510

511 1507.16.4 Ice Barrier.

512 Ice barrier is required and shall comply with Section 1507.1.2.

513

514 24. Section 1507.17.4.2 Ice Barrier, is hereby amended to read as follows:

515

516 1507.17.4.2 Ice Barrier.

517 Ice barrier is required and shall comply with Section 1507.1.2.

518

519 Exception: Detached accessory structures that do not contain conditioned floor area.

520

521

522 25. Section 1512.2.1.1 Exceptions, is hereby amended to read as follows:

523

524

525 1512.2.1.1 Exceptions.

526 A roof recover shall not be permitted where any of the following conditions occur:

527

528 1. Where the existing roof or roof covering is water soaked or has deteriorated to the point that
529 the existing roof or roof covering is not adequate as a base for additional roofing.

530 2. Where the existing roof covering is slate, clay, cement or asbestos-cement tile.

531 3. Where the existing roof has two or more applications of any type of roof covering.

532 4. The roof has one or more existing layers of asphalt shingles.

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26. Chapter 32 of the IBC Encroachments into the Public Right of Way is deleted. All work within the public right of way is subject to applicable sections of the Municipal Code and Littleton Engineering Design Standards (LEDS).

27. Appendix J Grading is adopted as modified as noted above in 4-1-5(A)6, Excavation and Grading.

Section 3: Title 4, Chapter 1, Section 5, Subsection (C) of the City of Littleton Municipal code is hereby repealed and reenacted to read as follows:

4-1-5(C): Amendments to the 2021 International Residential Code:

The 2021 International Residential Code is hereby adopted by reference and amended as follows:

1. Section R101.1 Title, is hereby amended to read as follows:

R101.1 Title.

These provisions shall be known as the Residential Code for One- and Two-family Dwellings of City of Littleton, Colorado, and shall be cited as such and will be referred to herein as “this code.”

2. Section R105.2 Work exempt from permit, is hereby amended 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. Other than storm shelters, one-story detached accessory structures, provided that the floor area does not exceed 120 square feet (18.58 m²) or the height of the highest point of the roof measured from grade does not exceed eight (8) feet.

3. Retaining walls that are not over 2 feet (609 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.

4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18 927 L) and the ratio of height to diameter or width does not exceed 2 to 1.

5. Sidewalks and driveways that are not part of an accessible route.

6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work that are not required to comply with other portions of this or other adopted codes or are not a part of

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- 575 another project the scope of which requires a permit in accordance with 105.1.
576 7. Prefabricated swimming pools that are less than 24 inches (610 mm) deep.
577 8. Swings and other playground equipment.
578 9. Window awnings supported by an exterior wall that do not project more than 54 inches
579 (1372 mm) from the exterior wall and do not require additional support.

580
581 Electrical:

- 582 1. Listed cord-and-plug connected temporary decorative lighting.
583 2. Reinstallation of attachment plug receptacles but not the outlets therefor.
584 3. Replacement of branch circuit overcurrent devices of the required capacity in the same
585 location.
586 4. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts
587 and not capable of supplying more than 50 watts of energy.
588 5. Minor repair work, including the replacement of lamps or the connection of approved
589 portable electrical equipment to approved permanently installed receptacles.

590
591 Gas:

- 592 1. Portable heating, cooking or clothes drying appliances.
593 2. Replacement of any minor part that does not alter approval of equipment or make such
594 equipment unsafe.
595 3. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not
596 interconnected to a power grid.

597
598 Mechanical:

- 599 1. Portable heating appliances.
600 2. Portable ventilation appliances.
601 3. Portable cooling units.
602 4. Steam, hot- or chilled-water piping within any heating or cooling equipment regulated by
603 this code.
604 5. Replacement of any minor part that does not alter approval of equipment or make such
605 equipment unsafe.
606 6. Portable evaporative coolers.
607 7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or
608 that are actuated by motors of 1 horsepower (746 W) or less.
609 8. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not
610 interconnected to a power grid.

611 Plumbing:

- 612 1. The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if
613 any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes
614 necessary to remove and replace the same with new material, such work shall be considered as
615 new work and a permit shall be obtained and inspection made as provided in this code.
616 2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the

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617 removal and reinstallation of water closets, provided such repairs do not involve or require the
618 replacement or rearrangement of valves, pipes or fixtures.

619
620 3. Section R105.5 Expiration, is hereby amended to read as follows:

621
622 R105.5 Expiration.

623 Every permit issued shall become invalid unless the work on the site authorized by such
624 permit is commenced within 180 days after its issuance, or if the work authorized on the
625 site by such permit is suspended or abandoned for a period of 180 days, and shall expire
626 365 days after issuance, regardless of activity, unless an extension of the permit is granted
627 by the Building Official. The building official is authorized to grant, in writing, one or
628 more extensions of time, for periods not more than 180 days each. The extension shall be
629 requested in writing and justifiable cause demonstrated.

630
631 4. Section R108.3 Building permit valuations, is hereby amended to read as follows:

632
633 R108.3 Building permit valuations.

634 The applicant for a permit shall provide an estimated permit value at time of application.
635 Permit valuations shall reflect the total value of all work, including materials and labor, for
636 which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment,
637 permanent systems and all finish work. If, in the opinion of the building official, the
638 valuation is underestimated on the application, the permit shall be denied, unless the
639 applicant can show detailed estimates to meet the approval of the building official. Final
640 building permit valuation shall be set by the building official.

641
642 5. Section 109.1.5.2 Preliminary inspection is hereby added to read as follows:

643
644 R109.1.5.2 Preliminary inspection.

645 Before a permit is issued, the code official is authorized to inspect and evaluate the systems,
646 equipment, buildings, devices, premises and spaces or areas to be used.

647
648 6. Section R114.2 Issuance, is hereby amended to read as follows:

649
650 R114.2 Issuance.

651 The stop work order shall be in writing and shall be given to the owner of the property, the
652 owner's authorized agent or the person performing the work or, if the owner, owner's agent
653 or person performing the work is not present, the stop work order shall be posted on the
654 structure or property. Upon issuance of a stop work order, the cited work shall immediately
655 cease. The stop work order shall state the reason for the order and the conditions under
656 which the cited work is authorized to resume.

657
658 7. Table R301.2 Climatic and Geographic Design Criteria is hereby amended to read

659 as follows:

660

661

R301.2 Climatic and geographic design criteria.

662

Buildings shall be constructed in accordance with the provisions of this code as limited by the provisions of this section. Additional criteria shall be established by the local jurisdiction and set forth in [Table R301.2](#)

663

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666

**TABLE R301.2
 CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

667

GROUND SNOW LOAD ^o	WIND DESIGN				SEISMIC DESIGN CATEGORY ^f	SUBJECT TO DAMAGE FROM			ICE BARRIER UNDERLAYMENT REQUIRED ^b	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				
30 PSF	Footnote A	No	Yes	No	B	Yes	36 in	Footnote B	Yes	Footnote C	532	50.2° F
MANUAL J DESIGN CRITERIAⁿ												
Elevation			Altitude correction factor ^e	Coincident wet bulb	Indoor winter design dry-bulb temperature	Indoor winter design dry-bulb temperature	Outdoor winter design dry-bulb temperature	Heating temperature difference				
5374			0.82	59° F	59° F	70° F	1° F	69° F				
Latitude			Daily range	Indoor summer design relative humidity	Summer design gains	Indoor summer design dry-bulb temperature	Outdoor summer design dry-bulb temperature	Cooling temperature difference				
35.3952°			H	45%	45%	70° F	90° F	20° F				

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

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- A. Wind speed is determined using the most recent version of the Colorado Wind Gust Map as approved by the Structural Engineer's Association of Colorado but shall not be less than 105 mph nominal at any location within the jurisdiction of the City of Littleton.
- B. Termite hazard is slight to moderate
- C. Entered National Flood Insurance Program 1978; Flood Insurance Study for Arapahoe County and Incorporated Areas – September 4, 2020

8. Section R313.1 Townhouse automatic fire sprinkler systems, is hereby deleted in

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678 its entirety.

679

680 9. Section R313.1.1 Design and installation, is hereby deleted in its entirety.

681

682 10. Section 313.2 One- and two-family dwellings automatic sprinkler systems is hereby
683 amended to read as follows:

684

685 R313.2 One- and two-family dwellings automatic sprinkler systems.

686 An automatic sprinkler system may be installed in one- and two-family dwellings.

687 Exception: An automatic sprinkler system shall not be required for additions or alterations

688 to existing buildings that are not already provided with a sprinkler system.

689

690 11. Section 313.2.1 Design and installation, is hereby amended to read as follows:

691

692 R313.2.1 Design and installation.

693 Automatic sprinkler systems, when installed, shall be designed and installed in accordance

694 with Section P2904 or NFPA 13D.

695

696 12. Section 324.6 Pathways, is hereby amended to read as follows:

697

698 R324.6. Pathways.

699 Not fewer than two pathways, on separate roof planes from lowest roof edge to ridge and

700 not less than 36 inches (914 mm) wide, shall be provided on all buildings. Not fewer than

701 two (2) pathways shall be provided on the street or driveway side of the roof. For each roof

702 plane with a photovoltaic array, a pathway not less than 36 inches wide (914 mm) shall be

703 provided from the lowest roof edge to ridge on the same roof plane as the photovoltaic

704 array, on an adjacent roof plane, or straddling the same and adjacent roof planes. Pathways

705 shall be over areas capable of supporting fire fighters accessing the roof. Pathways shall

706 be located in areas with minimal obstructions such as vent pipes, conduit, or mechanical

707 equipment.

708

709 13. Section 324.6.2 Setback at ridge, is hereby amended to read as follows:

710

711 R324.6.2 Setback at ridge, eaves and rakes.

712 For photovoltaic arrays, not less than a 36-inch (914 mm) clear setback is required on both

713 sides of a horizontal ridge and from the roof eaves and rakes.

714

715 14. Section 324.6.2.1 Alternative setback at ridge. is hereby deleted in its entirety.

716

717 15. Table R905.1.1(2) Underlayment Application is hereby amended to read as follows:

718

719

TABLE R905.1.1(2)

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720

UNDERLAYMENT APPLICATION

ROOF COVERING	SECTION	AREAS WHERE WIND DESIGN IS NOT REQUIRED IN ACCORDANCE WITH <u>FIGURE R301.2.1.1</u>	AREAS WHERE WIND DESIGN IS REQUIRED IN ACCORDANCE WITH <u>FIGURE R301.2.1.1</u>
Asphalt shingles	<u>R905.2</u>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>For roof slopes from 2 units vertical in 12 units horizontal (2:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet. For roof slopes of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be one layer applied in the following manner: underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches, Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.</p>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>Underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.</p>
Clay and	<u>R905.3</u>	For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with	For all roof slopes, an ice barrier shall be

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concrete tile		<p>manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>For roof slopes from 2½ units vertical in 12 units horizontal (2½:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be not fewer than two layers applied as follows: starting at the eave, apply a 19-inch strip of underlayment parallel with the eave. Starting at the eave, apply 36-inch-wide strips of underlayment felt, overlapping successive sheets 19 inches. End laps shall be 4 inches and shall be offset by 6 feet. For roof slopes of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be not fewer than one layer of underlayment felt applied shingle fashion, parallel to and starting from the eaves and lapped 2 inches. End laps shall be 4 inches and shall be offset by 6 feet.</p>	<p>applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>Underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.</p>
Metal roof shingles	<u>R905.4</u>	For all roof slopes, an ice barrier shall be applied as follows: Apply	For all roof slopes, an ice barrier shall be applied as follows:
Mineral-surfaced roll roofing	<u>R905.5</u>	ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.	Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation
Slate and slate-type shingles	<u>R905.6</u>	Apply in accordance with the manufacturer's installation instructions.	instructions in successive courses sufficient for ice barrier to extend up

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Wood shingles	<u>R905.7</u>		roof slope a minimum of 24 inches inside the exterior wall line.
Wood shakes	<u>R905.8</u>		Underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. End laps shall be 4 inches and shall be offset by 6 feet.
Metal panels	<u>R905.10</u>		
Photovoltaic shingles	<u>R905.16</u>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>For roof slopes from 2 units vertical in 12 units horizontal (2:12), up to 4 units vertical in 12 units horizontal (4:12), underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping successive sheets 19 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet. For roof slopes of 4 units vertical in 12 units horizontal (4:12) or greater, underlayment shall be one layer applied in the following manner: underlayment shall be applied shingle fashion, parallel to and starting from the eave and lapped 2 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.</p>	<p>For all roof slopes, an ice barrier shall be applied as follows: Apply ice barrier parallel to and starting at eaves in accordance with manufacturer's installation instructions in successive courses sufficient for ice barrier to extend up roof slope a minimum of 24 inches inside the exterior wall line.</p> <p>Underlayment shall be two layers applied in the following manner: apply a 19-inch strip of underlayment felt parallel to and starting at the eaves. Starting at the eave, apply 36-inch-wide sheets of underlayment, overlapping</p>

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			successive sheets 19 inches. Distortions in the underlayment shall not interfere with the ability of the shingles to seal. End laps shall be 4 inches and shall be offset by 6 feet.
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For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s.

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16. Section R905.1.2 Ice barriers, is hereby amended to read as follows:

R905.1.2 Ice barriers.

Ice barriers shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles, wood shakes and photovoltaic shingles when not prohibited by manufacturer’s installation instructions. The ice barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside the exterior wall line of the building. On roofs with slope equal to or greater than 8 units vertical in 12 units horizontal (67-percent slope), the ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.

Exception: Detached accessory structures not containing conditioned floor area.

17. Section R905.2.7 Ice barrier, is hereby amended to read as follows:

R905.2.7 Ice barrier.

Ice barrier is required and shall comply with Section R905.1.2.

18. Section R905.3.3.1 Ice barrier, is hereby added to read as follows:

R905.3.3.1 Ice barrier.

Ice barrier is required and shall comply with Section R905.1.2.

19. Section R905.4.3.1 Ice barrier, is hereby amended to read as follows:

R905.4.3.1 Ice barrier.

Ice barrier is required and shall comply with Section R905.1.2.

20. Section R905.5.3.1 Ice barrier, is hereby amended to read as follows:

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- R905.5.3.1 Ice barrier.
Ice barrier is required and shall comply with Section R905.1.2.
- 21. Section R905.6.3.1 Ice barrier, is hereby amended to read as follows:
R905.6.3.1 Ice barrier.
Ice barrier is required and shall comply with Section R905.1.2.
- 22. Section R905.7.3.1 Ice barrier, is hereby amended to read as follows:
R905.7.3.1 Ice barrier.
Ice barrier is required and shall comply with Section R905.1.2.
- 23. Section R905.8.3.1 Ice barrier, is hereby amended to read as follows:
R905.8.3. Ice barrier.
Ice barrier is required and shall comply with Section R905.1.2.
- 24. Section R905.16.3.1 Ice barrier, is hereby amended to read as follows:
R905.16.3.1 Ice barrier.
Ice barrier is required and shall comply with Section R905.1.2.
- 25. Section R905.17.3.1 Ice barrier, is hereby amended to read as follows:
R905.17.3.1 Ice barrier.
Ice barrier is required and shall comply with Section R905.1.2.
- 26. Section R908.3.1.1 Roof recover not allowed, is hereby amended to read as follows:
R908.3.1.1 Roof recover not allowed.
A roof recover shall not be permitted where any of the following conditions occur:
 - 1. Where the existing roof or roof covering is water soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
 - 2. Where the existing roof covering is slate, clay, cement or asbestos-cement tile.
 - 3. Where the existing roof has two or more applications of any type of roof covering
 - 4. The roof has one or more existing layers of asphalt shingles.
- 27. Section G2417.4.1(406.4.1) Test pressure, is hereby amended as follows:
G2417.4.1(406.4.1) Test pressure.

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798 The test pressure to be used shall be not less than 1 1/2 times the proposed maximum
799 working pressure, but not less than 10 psig (20 kPa gauge), irrespective of design pressure.
800 Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed
801 a value that produces a hoop stress in the piping greater than 50 percent of the specified
802 minimum yield strength of the pipe.

803
804 28. Section G2417.4.2(406.4.2) Test duration, is hereby amended to read as follows:

805
806 G2417.4.2(406.4.2) Test duration.
807 The test duration shall not be less than 15 minutes.

808
809 29. Section P2603.5.1 Sewer depth, is hereby amended to read as follows:

810
811 P2603.5.1 Sewer depth.
812 Building sewer that connect to private sewage disposal systems shall be installed not less
813 than thirty-six (36) inches (914 mm) below finished grade at the point of septic tank
814 connection. Building sewers shall be installed not less than thirty-six (36) inches (914 mm)
815 below grade.

816
817 30. Section P2904.1.1 Required sprinkler locations, is hereby amended to read as follows:

818
819 P2904.1.1 Required sprinkler locations.
820 Fire sprinklers are not required in dwelling units. When fire sprinklers are installed in
821 dwelling units optionally or to qualify for exceptions within or application of any section
822 of this code requiring sprinkler installation, sprinklers shall be installed to protect all areas
823 of a dwelling unit.

824 Exceptions:

- 825 1. Attics, crawl spaces and normally unoccupied concealed spaces that do not
826 contain fuel-fired appliances do not require sprinklers. In attics, crawl spaces and
827 normally unoccupied concealed spaces that contain fuel-fired equipment, a
828 sprinkler shall be installed above the equipment; however, sprinklers shall not be
829 required in the remainder of the space.
- 830 2. Clothes closets, linen closets and pantries not exceeding 24 square feet (2.2 m²)
831 in area, with the smallest dimension not greater than 3 feet (915 mm) and having
832 wall and ceiling surfaces of gypsum board.
- 833 3. Bathrooms not more than 55 square feet (5.1 m²) in area.
- 834 4. Garages; carports; exterior porches; unheated entry areas, such as mud rooms,
835 that are adjacent to an exterior door; and similar areas.

836
837 31. Section P3103.1.1 Roof extension is hereby amended to read as follows:

838
839 P3103.1.1 Roof extension.

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840 Open vent pipes that extend through a roof that do not meet the conditions of Section
841 P3103.1.2 or P3103.1.3 shall terminate not less than 12 inches (150 mm) above the roof.

842

843 32. Appendix AC – Exit Terminals of Mechanical Draft and Direct-vent Venting systems
844 is adopted without amendments.

845

846 33. Appendix AQ Tiny Houses is adopted without amendments.

847

848 **Section 4.** Title 4, Chapter 1, Section 5, Subsection (D) of the City of Littleton Municipal
849 code is hereby repealed and reenacted to read as follows:

850

851 **4-1-5(D): Amendments to the 2021 International Mechanical Code:**

852 The 2021 International Mechanical Code is hereby adopted by reference and amended as follows:

853

854 1. Section [A]101.1 Title, is hereby amended to read as follows:

855

856 [A]101.1 Title.

857 These provisions shall be known as the Mechanical Code of City of Littleton, Colorado,
858 and shall be cited as such and will be referred to herein as “this code.”

859

860 2. Section [A]103.1 Creation of agency, is hereby amended as follows:

861

862 Section [A]103.1 Creation of agency.

863 The City of Littleton is hereby created and the official in charge thereof shall be known as
864 the code official. The function of the agency shall be the implementation, administration
865 and enforcement of the provisions of this code.

866 3. Section [A]106.1.1 Annual permit, is hereby deleted in its entirety.

867

868 4. Section [A]106.1.2 Annual permit records, is hereby deleted in its entirety.

869

870 5. Section [A]106.2 Permits not required, is hereby amended to read as follows:

871

872 [A]106.2 Permits not required.

873 Permits shall not be required for the following:

874

875 1. Portable heating appliances.

876

877 2. Portable ventilation appliances and equipment.

878

879 3. Portable cooling units.

880

881 4. Steam, hot water or chilled water piping within any heating or cooling appliances
regulated by this code.

882

883 5. The replacement of any minor part that does not alter the approval of equipment or an
appliance or make such equipment or appliance unsafe.

884

885 6. Portable evaporative coolers.

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882 7. Self-contained refrigeration systems that contain 10 pounds (4.5 kg) or less of
883 refrigerant, or that are actuated by motors of 1 horsepower (0.75 kW) or less.

884 8. Portable fuel cell appliances that are not connected to a fixed piping system and are not
885 interconnected to a power grid. Exemption from the permit requirements of this code shall
886 not be deemed to grant authorization for work to be done in violation of the provisions of
887 this code or other laws or ordinances of this jurisdiction.

888
889 6. Section [A]106.5.3 Expiration, is hereby amended to read as follows:
890

891 [A]106.5.3 Expiration.
892 Every permit issued shall become invalid unless the work on the site authorized by such
893 permit is commenced within 180 days after its issuance, or if the work authorized on the
894 site by such permit is suspended or abandoned for a period of 180 days, and shall expire
895 365 days after issuance, regardless of activity, unless an extension of the permit is granted
896 by the Building Official. The building official is authorized to grant, in writing, one or
897 more extensions of time, for periods not more than 180 days each. The extension shall be
898 requested in writing and justifiable cause demonstrated.

899
900 7. Section [A]108.2.6 Preliminary inspection, is hereby added to read as follows:
901

902 [A]108.2.6 Preliminary inspection.
903 Before a permit is issued, the code official is authorized to inspect and evaluate the systems,
904 equipment, buildings, devices, premises and spaces or areas to be used.

905
906 8. Section [A]109.3 Permit valuations, is hereby amended to read as follows:
907

908 [A]109.3 Permit valuations.
909 The applicant for a permit shall provide an estimated permit value at time of application.
910 Permit valuations shall reflect the total value of all work, including materials and labor, for
911 which the permit is being issued, such as mechanical equipment, permanent systems and
912 all finish work. If, in the opinion of the code official, the valuation is underestimated on
913 the application, the permit shall be denied unless the applicant can show detailed estimates
914 to meet the approval of the code official. Final building permit valuation shall be set by the
915 code official.

916
917 9. Section [A]114.1 Membership of board, is hereby deleted in its entirety.

918
919 10. Section [A]115.4 Violation penalties, is hereby amended to read as follows:
920

921 [A]115.4 Violation penalties. Persons who shall violate a provision of this code or shall
922 fail to comply with any of the requirements thereof or who shall erect, install, alter or repair
923 mechanical work in violation of the approved construction documents or directive of the

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924 code official, or of a permit or certificate issued under the provisions of this code, shall
925 subject to penalties as established in City of Littleton Municipal Code Title I, Chapter 4,
926 Section 1-4-1 GENERAL PENALTIES.

927
928 11. Appendix A Chimney Connector Pass-through is adopted without amendments.
929

930 **Section 5.** Title 4, Chapter 1, Section 5, Subsection (E) of the City of Littleton Municipal
931 code is hereby repealed and reenacted to read as follows:
932

933 **4-1-5(E): Amendments to the 2021 International Plumbing Code:**

934 The 2021 International Plumbing Code is hereby adopted by reference and amended as follows:
935

936 1. Section [A]101.1 Title, is hereby amended to read as follows:
937

938 [A]101.1 Title.

939 These provisions shall be known as the Plumbing Code of City of Littleton, Colorado, and
940 shall be cited as such and will be referred to herein as “this code.”
941

942 2. Section [A]103.1 Creation of agency, is hereby amended to read as follows:
943

944 [A]103.1 Creation of agency.

945 The City of Littleton Building Division is hereby deemed the agency in charge of
946 enforcement of this code and the official in charge thereof shall be known as the code
947 official. The function of the agency shall be the implementation, administration and
948 enforcement of the provisions of this code.
949

950 3. Section [A]106.1 Annual permit, is hereby deleted in its entirety.
951

952 4. Section [A]106.1.2 Annual permit records, is hereby deleted in its entirety.
953

954 5. Section [A]106.5.3 Expiration, is hereby amended to read as follows:
955

956 [A] 106.5.3 Expiration.

957 Every permit issued shall become invalid unless the work on the site authorized by such
958 permit is commenced within 180 days after its issuance, or if the work authorized on the
959 site by such permit is suspended or abandoned for a period of 180 days, and shall expire
960 365 days after issuance, regardless of activity, unless an extension of the permit is granted
961 by the Building Official. The building official is authorized to grant, in writing, one or
962 more extensions of time, for periods not more than 180 days each. The extension shall be
963 requested in writing and justifiable cause demonstrated
964

965 6. Section [A]106.5.4 Extensions, is hereby deleted in its entirety.

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7. Section [A]108.2.1.1 Preliminary inspection, is hereby added as follows:

[A] 108.2.1.1 Preliminary inspection.

Before a permit is issued, the code official is authorized to inspect and evaluate the systems, equipment, buildings, devices, premises and spaces or areas to be used.

8. Section [A]114.1 Membership of board, is hereby deleted in its entirety.

9. Section [A]115.4 Violation penalties, is hereby amended to read as follows:

[A]115.4 Violation penalties. Persons 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 mechanical 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 subject to penalties as established in City of Littleton Municipal Code Title I, Chapter 4, Section 1-4-1 GENERAL PENALTIES.

10. Section 305.4.1 Sewer depth is hereby amended to read as follows:

305.4.1 Sewer depth.

Building sewer that connect to private sewage disposal systems shall be installed not less than thirty-six (36) inches (914 mm) below finished grade at the point of septic tank connection. Building sewers shall be installed not less than thirty-six (36) inches (914 mm) below grade.

11. Section 903.1.1 Roof extension unprotected, is hereby amended to read as follows:

903.1.1 Roof extension unprotected. Open vent pipes that extend through a roof shall be terminated not less than twelve (12) inches (304 mm) above the roof.

Section 5. Title 4, Chapter 1, Section 5, Subsection (F) of the City of Littleton Municipal code is hereby repealed and reenacted to read as follows:

4-1-5(F): Amendments to the 2021 International Fuel Gas Code:

The 2021 International Fuel Gas Code is hereby adopted by reference and amended as follows:

1. Section [A]101.1 Title, is hereby amended to read as follows:

[A]101.1 Title.

These provisions shall be known as the Fuel Gas Code of City of Littleton, Colorado, and shall be cited as such and will be referred to herein as “this code.”

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2. Section [A]103.1 Creation of agency, is hereby amended to read as follows:

[A]103.1 Creation of agency.

The City of Littleton Building Division is hereby deemed the agency in charge of enforcement of this code and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

3. Section [A]106.1.1 Annual permit, is hereby deleted in its entirety.

4. Section [A]106.1.2 Annual permit records, is hereby deleted in its entirety.

5. Section [A]106.5.3 Expiration, is hereby amended to read as follows:

[A] 106.5.3 Expiration.

Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days, and shall expire 365 days after issuance, regardless of activity, unless an extension of the permit is granted by the Building Official. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.

6. Section [A]106.5.4 Extensions, is hereby deleted in its entirety.

7. Section [A]109.3 Permit valuations, is hereby amended to read as follows:

[A]109.3 Permit valuations.

The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall reflect the total value of all work, including materials and labor, for which the permit is being issued, such as plumbing equipment, permanent systems and all related finish work. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official.

8. Section [A]112.2.1.1 Preliminary inspection, is hereby added as follows:

[A] 112.2.1.1 Preliminary inspection.

Before a permit is issued, the code official is authorized to inspect and evaluate the systems, equipment, buildings, devices, premises and spaces or areas to be used.

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9. Section [A]114.1 Membership of board, is hereby deleted in its entirety.

10. Section [A]115.4 Violation penalties, is hereby amended to read as follows:

[A]115.4 Violation penalties.

Persons 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 mechanical 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 subject to penalties as established in City of Littleton Municipal Code Title I, Chapter 4, Section 1-4-1 GENERAL PENALTIES.

11. Section 406.4.1 Test pressure, is hereby amended to read as follows:

406.4.1 Test pressure.

The test pressure to be used shall be not less than 1 1/2 times the proposed maximum working pressure, but not less than 20 psig (137 kPa gauge), irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

12. Section 406.4.2 Test duration, is hereby amended to read as follows:

406.4.2 Test duration.

Test duration shall be not less than 1/2 hour for each 500 cubic feet (14 m³) of pipe volume or fraction thereof. When testing a system having a volume less than 10 cubic feet (0.28 m³) or a system in a single-family dwelling, the test duration shall be not less than 15 minutes. The duration of the test shall not be required to exceed 24 hours.

13. Appendix C (IFGS) Exit Terminals of Mechanical Draft and Direct-Vent Venting Systems is adopted without amendments.

Section 5. Title 4, Chapter 1, Section 5, Subsection (G) of the City of Littleton Municipal code is hereby repealed and reenacted to read as follows:

4-1-5(G): Amendments to the 2021 International Energy Conservation Code:

The 2021 International Energy Conservation Code is hereby adopted by reference and amended as follows:

1. Section C101.1 Title, is hereby amended to read as follows:

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C101.1 Title.

These provisions shall be known as the Energy Conservation Code of City of Littleton, Colorado, and shall be cited as such and will be referred to herein as “this code.”

2. Section C105.7 Preliminary inspection, is added to read as follows:

C105.7 Preliminary inspection. Before a permit is issued, the code official is authorized to inspect and evaluate the systems, equipment, buildings, devices, premises and spaces or areas to be used.

Section 6. Title 4, Chapter 1, Section 5, Subsection (H) of the City of Littleton Municipal code is hereby repealed and reenacted to read as follows:

4-1-5(H): Amendments to the 2021 International Property Maintenance Code:

The 2021 International Property Maintenance Code is hereby adopted by reference and amended as follows:

1. Section [A]101.1 Title, is hereby amended to read as follows:

[A]101.1 Title.

These provisions shall be known as the International Property Maintenance Code of City of Littleton, Colorado, and shall be cited as such and will be referred to herein as “this code.”

2. Section [A]103.1 Creation of agency, is hereby amended to read as follows:

[A]103.1 Creation of agency.

The City of Littleton Building Division is hereby deemed the agency in charge of enforcement of this code and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

3. Section [A]108.1 Membership of board, is hereby deleted in its entirety.

4. Section [A]111.7 Placarding is hereby amended to read as follows:

[A]117 Placarding.

Upon failure of the owner, owner’s authorized agent or person responsible to comply with the notice provisions within the time given, the code official shall post on the premises or on defective equipment a placard bearing language identifying the premises or structure as unsafe or unfit for habitation and a statement of the

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1134 penalties provided for occupying the premises, operating the equipment or
1135 removing the placard. Such notice shall be posted in a conspicuous place in or about
1136 the structure affected by such notice. If the notice pertains to equipment, it shall be
1137 placed on the condemned equipment.
1138

- 1139 5. Section 302.4 Weeds, is hereby amended to read as follows:
1140

1141 302.4 Weeds.

1142 Premises and exterior property shall be maintained free from weeds or plant growth
1143 in excess of eight (8) inches. Noxious weeds shall be prohibited. Weeds shall be
1144 defined as both “weeds” and “noxious vegetation” as defined in Section 7-4-2 of
1145 Title 10, Unified Land Use Code, of the City of Littleton Municipal Code. Upon
1146 failure of the owner or agent having charge of a property to cut and destroy weeds
1147 after service of a notice of violation, they shall be subject to prosecution in
1148 accordance with Section 109.3 and as prescribed by the authority having
1149 jurisdiction. Upon failure to comply with the notice of violation, any duly
1150 authorized employee of the jurisdiction or contractor hired by the jurisdiction shall
1151 be authorized to enter upon the property in violation and cut and destroy the weeds
1152 growing thereon, and the costs of such removal shall be paid by the owner or agent
1153 responsible for the property.
1154

- 1155 6. Section 304.14 Insect screens, is hereby amended to read as follows:
1156

1157 304.14 Insect screens.

1158 Every door, window and other outside opening required for ventilation of habitable
1159 rooms, food preparation areas, food service areas or any areas where products to be
1160 included or utilized in food for human consumption are processed, manufactured,
1161 packaged or stored shall be supplied with approved tightly fitting screens of
1162 minimum 16 mesh per inch (16 mesh per 25 mm), and every screen door used for
1163 insect control shall have a self-closing device in good working condition.
1164 Exception: Screens shall not be required where other approved means, such as air
1165 curtains or insect repellent fans, are employed.
1166

- 1167 7. Section 307.1 General, is hereby amended to read as follows:
1168

1169 307.1 General. Every exterior and interior flight of stairs having more than four
1170 risers shall have a handrail on one side of the stair and every open portion of a stair,
1171 landing, balcony, porch, deck, ramp or other walking surface that is more than 30
1172 inches (762 mm) above the floor or grade below shall have guards. Handrails shall
1173 be not less than 34 inches (762 mm) in height or more than 38 inches (1067 mm)
1174 in height measured vertically above the nosing of the tread or above the finished
1175 floor of the landing or walking surfaces. Guards shall be not less than 36 inches

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1176 (762 mm) in height above the floor of the landing, balcony, porch, deck, or ramp
1177 or other walking surface. Exception: Guards shall not be required where exempted
1178 by the adopted building code.

1179
1180 8. Section 602.3 Heat supply, is hereby amended to read as follows:

1181
1182 602.3 Heat supply.
1183 Every owner and operator of any building who rents, leases or lets one or more
1184 dwelling units or sleeping units on terms, either expressed or implied, to furnish
1185 heat to the occupants thereof shall supply heat to maintain a minimum temperature
1186 of 68°F (20°C) in all habitable rooms, bathrooms and toilet rooms.

1187
1188 Exceptions:
1189 1. When the outdoor temperature is below the winter outdoor design
1190 temperature for the locality, maintenance of the minimum room temperature
1191 shall not be required provided that the heating system is operating at its full
1192 design capacity. The winter outdoor design temperature for the locality shall
1193 be as indicated in Appendix D of the International Plumbing Code.
1194 2. In areas where the average monthly temperature is above 30°F (-1°C), a
1195 minimum temperature of 65°F (18°C) shall be maintained.

1196
1197 9. Section [BE]702.1 General, is hereby amended to read as follows:

1198
1199 Section 702.1 General.
1200 A safe, continuous, and unobstructed path of travel shall be provided from any point
1201 in a building or structure to the public way. Means of egress shall comply with the
1202 International Fire Code, International Building Code or the International
1203 Residential Code based on applicable scoping.

1204
1205 10. Section [BE]702.2 Aisles, is hereby amended to read as follows:

1206
1207 [BE] 702.2 Aisles.
1208 The required width of aisles in accordance with the International Fire Code,
1209 International Building Code or the International Residential Code based applicable
1210 scoping shall be unobstructed.

1211
1212 **Section 7. Title 4, Chapter 1, Section 5, Subsection (I) of the City of Littleton**
1213 **Municipal code is hereby repealed and reenacted to read as follows:**

1214
1215 **4-1-5(I): Amendments to the 2021 International Existing Building Code:**
1216 The 2021 International Existing Building Code is hereby adopted by reference and amended as
1217 follows:

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1. Section [A]101.1 Title, is hereby amended to read as follows:

[A]101.1 Title.

These provisions shall be known as the International Existing Building Code of City of Littleton, Colorado, and shall be cited as such and will be referred to herein as “this code.”

2. Section [A]103.1 Creation of agency, is hereby amended to read as follows:

[A]103.1 Creation of agency.

The City of Littleton Building Division is hereby deemed the agency in charge of enforcement of this code and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

3. Section [A]105.1.1 Annual permit, is deleted in its entirety.

4. Section [A]105.2 Work exempt from permit is hereby amended to read as follows:

[A]105.2 Work exempt from permit.

Exemptions 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. Sidewalks and driveways not more than 30 inches (762 mm) above grade and not over any basement or story below and that are not part of an accessible route.
2. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work that are not required to comply with other portions of this or other adopted codes or are not a part of another project or the scope of which requires a permit in accordance with 105.1.
3. Temporary motion picture, television, and theater stage sets and scenery.
4. Shade cloth structures constructed for nursery or agricultural purposes, and not including service systems.
5. Window awnings supported by an exterior wall of Group R-3 or Group U occupancies.
6. Nonfixed and movable cases, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

1. Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

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1260 2. Radio and television transmitting stations: The provisions of this code shall not apply to
1261 electrical equipment used for radio and television transmissions, but do apply to equipment
1262 and wiring for power supply, the installations of towers and antennas.

1263 3. Temporary testing systems: A permit shall not be required for the installation of any
1264 temporary system required for the testing or servicing of electrical equipment or apparatus.

1265
1266 Gas:

1267 1. Portable heating appliance.

1268 2. Replacement of any minor part that does not alter approval of equipment or make such
1269 equipment unsafe.

1270
1271 Mechanical:

1272 1. Portable heating appliance.

1273 2. Portable ventilation equipment.

1274 3. Portable cooling unit.

1275 4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by
1276 this code.

1277 5. Replacement of any part that does not alter its approval or make it unsafe.

1278 6. Portable evaporative cooler.

1279 7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant
1280 and actuated by motors of 1 horsepower (746 W) or less.

1281
1282 Plumbing:

1283 1. The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that
1284 if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it
1285 becomes necessary to remove and replace the same with new material, such work shall be
1286 considered as new work, and a permit shall be obtained and inspection made as provided
1287 in this code.

1288 2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the
1289 removal and reinstallation of water closets, provided that such repairs do not involve or
1290 require the replacement or rearrangement of valves, pipes or fixtures.

1291
1292 5. Section [A]105.5 Expiration, is hereby amended to read as follows:

1293
1294 [A]105.5. Expiration.

1295 Every permit issued shall expire 365 days after the date of issuance and shall become
1296 invalid unless the work on the site authorized by such permit is commenced within 180
1297 days after its issuance unless an extension of the permit is granted by the code official. The
1298 code official is authorized to grant, in writing, one or more extensions of time, for periods
1299 not more than 180 days each. The extension shall be requested in writing and justifiable
1300 cause demonstrated.

1301

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1302 6. Section [A]108.3 Permit valuations, is hereby amended to read as follows:

1303

1304 [A]108.3 Permit valuations.

1305 The applicant for a permit shall provide an estimated permit value at time of application.

1306 Permit valuations shall include the total value of all work, including materials and labor,

1307 for which the permit is being issued, such as electrical, gas, mechanical, plumbing

1308 equipment and permanent systems and all finish work. If, in the opinion of the code official,

1309 the valuation is underestimated on the application, the permit shall be denied unless the

1310 applicant can show detailed estimates to meet the approval of the code official. Final

1311 building permit valuation shall be set by the code official.

1312

1313 7. Section [A]109.3.12 Preliminary inspection, is added to read as follows:

1314

1315 [A]109.3.12 Preliminary inspection.

1316 Before a permit is issued, the code official is authorized to inspect and evaluate the systems,

1317 equipment, buildings, devices, premises and spaces or areas to be used.

1318

1319 8. Section 702.5 Replacement window for emergency escape and rescue openings, is
1320 hereby amended to read as follows:

1321

1322 702.5 Replacement window for emergency escape and rescue openings.

1323 Where windows are required to provide emergency escape and rescue openings in Group

1324 R-2 and R-3 occupancies and one- and two-family dwellings and townhouses regulated by

1325 the International Residential Code, replacement windows shall be exempt from the

1326 requirements of Section 1031.3 of the International Building Code and Section R310.2 of

1327 the International Residential Code, provided that the replacement window meets the

1328 following conditions:

1329

1330 1. The replacement window is the manufacturer's largest standard size window that will fit
1331 within the existing frame or existing rough opening and the net clear opening of the
1332 replacement window is not less than the previously existing window.

1333 2. Where the replacement window is part of a change of occupancy it shall comply with
1334 Section 1011.5.6.

1335

1336 9. Section [BS]705.2.1.1 Exceptions, is hereby amended to read as follows.

1337

1338 [BS]705.2.1.1 Exceptions.

1339 A roof recover shall not be permitted where any of the following conditions occur:

1340

1341 1. The existing roof or roof covering is water soaked or has deteriorated to the point that
1342 the existing roof or roof covering is not adequate as a base for additional roofing.

1343 2. The existing roof covering is slate, clay, cement or asbestos-cement tile.

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1344 3. The existing roof has two or more applications of any type of roof covering.

1345 4. The roof has one or more existing layers of asphalt shingles.

1346

1347 10. Section 1001.4 Permit required, is hereby added to read as follows:

1348

1349 1001.4 Permit required.

1350 Any owner or owner’s authorized agent who intends to change the occupancy of a building

1351 or structure or to cause any work to be performed that will change the occupancy group or

1352 classification of a building or structure, shall first make application to the building official

1353 and obtain the required permit.

1354

1355 11. Appendix B – Supplementary Accessibility Requirements for Existing Buildings

1356 and Facilities is adopted without amendments.

1357

1358 Section 8. Title 5, Chapter 2, Fire Prevention, of the City of Littleton Municipal code is

1359 hereby repealed in its entirety and reenacted to read as follows:

1360

1361 1. 5-2-1: International Fire Code Adopted:

1362

1363 5-2-1: International Fire Code Adopted:

1364 The International Fire Code, 2021 edition, as published by the International Code Council,

1365 Inc., 4051 W. Flossmoor Road, Country Club Hills, IL 60478, is hereby adopted in its

1366 entirety by reference pursuant to the provisions of section 44 of the Charter of the City,

1367 with such amendments, changes, and deletions as are set forth in section 5-2-2 of this

1368 chapter. Commencing on or after January 1, 2023, the City within thirty (30) days

1369 following adoption of a revised code shall provide notice to any Fire Protection District or

1370 fire and rescue authority providing fire services to the City.

1371

1372 2. 5-2-2: Amendments to Fire Code:

1373

1374 (A) Section 101.1 of the International Fire Code is amended to read:

1375

1376 101.1 Title.

1377 These regulations shall be known as the Fire Code of the city of Littleton, hereinafter

1378 referred to as “this code.”

1379

1380 (B) Section 101.2.1 of the International Fire Code is amended to read:

1381

1382 101.2.1 Appendices.

1383 The following appendices are hereby adopted as part of this code:

1384 Appendix B, Fire-Flow Requirements for Buildings, as amended.

1385 Appendix C, Fire Hydrant Locations and Distribution.

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1386 Appendix D, Fire Apparatus Access Roads, as amended.

1387

1388 (C) Section 103.1 of the International Fire Code is amended to read:

1389

1390 103.1 General.

1391 The South Metro Fire Rescue Fire Protection District is hereby created as the Fire

1392 Marshal's Office within the jurisdiction of the city of Littleton and the official in charge

1393 thereof shall be known as the fire code official. The function of the Fire Marshal's Office

1394 shall be the implementation, administration and enforcement of the provisions of this code.

1395

1396 (D) Section 103.2 of the International Fire Code is amended to read:

1397

1398 103.2 Appointment.

1399 The Fire Marshal of the South Metro Fire Rescue Fire Protection District, or a designee, is

1400 hereby appointed as the fire code official.

1401

1402 (E) Section 105.5.38 of the International Fire Code is amended to read:

1403

1404 105.5.38 Outdoor assembly event.

1405 An operational permit is required to conduct an outdoor assembly event where planned

1406 attendance exceeds 500 persons.

1407

1408 (F) Section 105.5.49 of the International Fire Code is amended to read:

1409

1410 105.5.49 Temporary membrane structures and tents.

1411 An operational permit is required to operate a membrane structure, air-inflated membrane

1412 structure, air-supported membrane structure, a temporary special event structure, or a tent

1413 having an area in excess of 400 square feet (37 m²).

1414

1415 Exceptions:

1416 1. Tents used exclusively for recreational camping purposes.

1417 2. Tents open on all sides, which comply with all of the following:

1418 2.1 Individual tents having a maximum size of 700 square feet (65m²)

1419 2.2 The aggregate area of multiple tents placed side by side without a fire

1420 break clearance of not less than 12 feet (3658 mm) shall not exceed 700

1421 square feet (65m²) total.

1422 2.3 A minimum clearance of 12 feet (3658 mm) to structures and other tents

1423 shall be provided.

1424

1425 (G) Section 105.6 of the International Fire Code is amended to read:

1426

1427 105.6 Required construction permits.

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1428 The fire code official is authorized to issue construction permits for work as set forth in
1429 Section 105.6.1 through 105.6.25.

1430

1431 (H) Section 105.6.24 of the International Fire Code is amended to read:

1432

1433 105.6.24 Temporary membrane structures and tents.

1434 A construction permit is required to erect a membrane structure, air-inflated membrane
1435 structure, air-supported membrane structure, a temporary special event structure, or a tent
1436 having an area in excess of 400 square feet (37 m²).

1437

1438 Exceptions:

1439

1. Tents used exclusively for recreational camping purposes.

1440

2. Funeral tents and curtains, or extensions attached thereto, when used for funeral
1441 services.

1441

1442 3. Tents and awnings open on all sides, which comply with all of the following:

1443

3.1 Individual tents shall have a maximum size of 700 square feet (65m²)

1444

3.2 The aggregate area of multiple tents placed side by side without a fire
1445 break clearance of not less than 12 feet (3658 mm) shall not exceed 700
1446 square feet (65m²) total.

1445

1446

1447 3.3 A minimum clearance of 12 feet (3658 mm) to structures and other tents
1448 shall be maintained.

1449

1450 (I) Section 105.6.25 of the International Fire Code is amended by the addition of a new
1451 section to read:

1452

1453 105.6.25 Buildings and facilities.

1454 Any owner or owner's authorized agent who intends to construct, enlarge, alter, repair,
1455 move, demolish or change occupancy of a building, or structure, or facility, or to cause any
1456 such work to be performed, shall first make application to the fire code official and obtain
1457 the required permit.

1458

1459 (J) Section 107.3 Permit valuation is deleted in its entirety.

1460

1461 (K) Section 111.1 of the International Fire Code is amended to read:

1462

1463 111.1 Board of appeals established.

1464 In order to hear and decide appeals of orders, decisions or determinations made by the fire
1465 code official relative to the application and interpretation of this code, there shall be created
1466 a Regional Fire Code Board of Appeals by the entry of various fire districts into an
1467 intergovernmental agreement ("IGA"). The board of appeals shall be appointed through
1468 the operation of the IGA. The fire code official shall be an ex officio member of said board
1469 but shall have no vote on any matter before the board. The board shall adopt rules of

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1470 procedure for conducting its business and shall render all decisions and findings in writing
1471 to the appellant with a duplicate copy to the fire code official.

1472

1473 (L) Section 112.4 of the International Fire Code is amended to read:

1474

1475 Section 112.4 Violation penalties.

1476 Any person who violates a provision of this code or fails to comply with any of the
1477 requirements thereof or who erects, installs, constructs, alters, repairs or does work in
1478 violation of the approved construction documents or directive of the fire code official, or
1479 of a permit or certificate issued under the provisions of this code, shall be subject to
1480 penalties as prescribed in City of Littleton Municipal Code Title
1481 1, Chapter 4, Section 1.

1482

1483 (M) Section 113.4 of the International Fire Code is amended to read:

1484

1485 Section 113.4 Failure to comply.

1486 Any person who shall continue any work after having been served with a stop work order,
1487 except such work as that person is directed to perform to remove a violation or unsafe
1488 condition, shall be subject to penalties as prescribed in City of Littleton Municipal Code
1489 Title 1 Chapter 4, Section 1.

1490

1491 (N) Section 503.1 of the International Fire Code is amended to read:

1492

1493 503.1 Where required.

1494 Fire apparatus access roads shall be provided and maintained in
1495 accordance with Sections 503.1.1 through 503.1.3 and Appendix D, as amended.

1496

1497 (O) Section 503.1.1 of the International Fire Code is amended to read:

1498

1499 503.1.1 Buildings and facilities.

1500 Approved fire apparatus access roads shall be provided for every facility, building or
1501 portion of a building hereafter constructed or moved into or within the jurisdiction. The
1502 fire apparatus access road shall comply with the requirements of this section and shall
1503 extend to within 150 feet (45 720mm) of all portions of the facility and all portions of the
1504 exterior walls of the first story of the building as measured by an approved route around
1505 the exterior of the building or facility.

1506

1507 Exceptions:

1508 1. The fire code official is authorized to increase the dimension of 150 feet (45 720
1509 mm) where any of the following conditions occur:

1510

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- 1511 1.1 The building is equipped throughout with an approved automatic
1512 sprinkler system installed in accordance with Section 903.3.1.1 (NFPA
1513 13), the dimension shall be unlimited, as approved, provided access
1514 roads are extended to within 150 feet (45 720mm) of at least one,
1515 approved side of the building or structure. Fire hydrant requirements of
1516 Section 507 may necessitate additional roads to serve hydrants near
1517 large buildings.
- 1518 1.2 The building is equipped throughout with an approved automatic
1519 sprinkler system installed in accordance with Section 903.3.1.2 (NFPA
1520 13R) or 903.3.1.3 (NFPA 13D), the dimension shall be increased to 200
1521 feet (60 960mm).
- 1522 1.3 The fire apparatus access roads cannot be installed because of location
1523 on property, topography, waterways, nonnegotiable grades or other
1524 similar conditions, and an approved alternative means of fire protection
1525 is provided.
- 1526 1.4 There are not more than two Group R-3 or Group U occupancies.
1527

1528 2. Where approved by the fire code official, fire apparatus access roads shall be
1529 permitted to be exempted or modified for solar photovoltaic power generation
1530 facilities.
1531

1532 (P) Section 503.2 of the International Fire Code is amended to read:
1533

1534 503.2 Specifications.

1535 Fire apparatus access roads shall be installed and arranged in accordance with Sections
1536 503.2.1 through 503.2.8 and Appendix D, as amended.
1537

1538 (Q) Section 503.2.1 of the International Fire Code is amended to read:
1539

1540 503.2.1 Dimensions.

1541 Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096
1542 mm), exclusive of shoulders, except for approved security gates in accordance with Section
1543 503.6, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm)
1544 and in accordance with Appendix D, as amended. The greater dimension of required
1545 unobstructed width shall prevail.
1546

1547 (R) Section 503.2.3 of the International Fire Code is amended to read:
1548

1549 503.2.3 Surface.

1550 Fire apparatus access roads shall be designed and maintained to support the imposed loads
1551 of fire apparatus weighing up to 80,000 pounds and shall be surfaced so as to provide all-
1552 weather driving capabilities with an approved driving surface material.

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(S) Section 503.2.7 of the International Fire Code is amended to read:

503.2.7 Grade.

The grade of the fire apparatus access road shall be a maximum of 6% or as otherwise determined by the fire code official based on fire district apparatus specifications.

(T) Section 503.3 of the International Fire Code is amended to read:

503.3 Marking.

Where required by the fire code official, approved signs or other approved notices or markings that include the words NO PARKING – FIRE LANE shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which the fire lanes are designated shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility. Marking of the fire apparatus access roads shall be in accordance with the fire code official’s specifications and D103.6.

(U) Section 503.4 of the International Fire Code is amended to read:

503.4 Obstruction of fire apparatus access roads.

Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances in Sections 503.2.1, 503.2.2, and Appendix D shall be maintained at all times.

(V) Section 503.6 of the International Fire Code is amended to read:

503.6 Security gates.

The installation of security gates across a fire apparatus access road shall be approved by the fire code official and shall be in accordance with Section D103.5.

(W) Section 505.1 of the international fire code is amended to read:

505.1 Address identification.

New and existing buildings shall have approved address numbers, building numbers, or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Address numbers shall be Arabic numerals or alphabet letters. Numbers shall be a minimum of six inches (6") high with a minimum stroke width of 0.5 inches (0.5"). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure.

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1595 (X) Section 507.3 is of the International Fire Code is amended to read:
1596 507.3 Fire flow.
1597 Fire flow requirements for buildings or portions of buildings and facilities shall be
1598 determined in accordance with Appendix B, as amended, or by an approved method.
1599

1600 (Y) Section 507.5 of the International Fire Code is amended to read:
1601
1602 507.5 Fire hydrant systems.
1603 Fire hydrant systems shall comply with Sections 507.5.1 through 507.5.6 and Appendix C.
1604

1605 (Z) Section 510.1 of the International Fire Code is amended to read:
1606
1607 510.1 Emergency responder communication coverage in new buildings.
1608 Approved in-building, two-way emergency responder communication coverage for
1609 emergency responders shall be provided within all new buildings. In-building, two-way
1610 emergency responder communication coverage within the building shall be based on the
1611 existing coverage levels of the public safety communication systems utilized by the
1612 jurisdiction, measured at the exterior of the building. This section shall not require
1613 improvement of the existing public safety communication systems.
1614

1615 Exceptions:

- 1616 1. Where approved by the fire code official, a wired communication system in
1617 accordance with Section 907.2.13.2 shall be permitted to be installed or maintained
1618 instead of an approved radio coverage system.
1619 2. Where it is determined by the fire code official that the radio coverage system is
1620 not needed.
1621 3. In facilities where emergency responder radio coverage is required and such
1622 systems, components or equipment required could have a negative impact on the
1623 normal operations of that facility, the fire code official shall have the authority to
1624 accept an automatically activated emergency responder radio coverage system.
1625

1626 (AA) Section 903.3 of the International Fire Code is amended to read:
1627
1628 903.3 Installation requirements.
1629 Automatic sprinkler systems shall be designed and installed in accordance with Section
1630 903.3.1 through 903.3.9.
1631

1632 (BB) 903.2.8 of the International Fire Code is amended to read:
1633
1634 903.2.8 Group R.
1635 An automatic sprinkler system installed in accordance with Section 903.3 shall be provided
1636 throughout all buildings with a Group R fire area other than Group R-3, one- and two-

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1637 family dwellings, not serving as a care or congregate living facility nor lodging house as
1638 defined in Chapter 2.

1639
1640 (CC) Section 903.3.9 of the International Fire Code is amended by the addition of a new
1641 section to read:

1642
1643 Section 903.3.9 Spare sprinklers.
1644 Spare sprinklers shall be provided per NFPA 13, NFPA 13R, NFPA 13D and in accordance
1645 with the fire code official's supplemental documents outlining specific provisions for
1646 multiple buildings under the same ownership.

1647
1648 (DD) Subsection 1 of Section 905.4 of the International Fire Code is amended to read:

1649
1650 1. In every required interior exit stairway, a hose connection shall be provided for
1651 each story above and below grade plane. Hose connections shall be located at the
1652 main floor landing unless otherwise approved by the fire code official.

1653
1654 (EE) Exception 3 of Section 1103.7.6 of the International Fire Code is amended to read:

1655
1656 3. A fire alarm system is not required in buildings that do not have interior
1657 corridors serving dwelling units, provided that dwelling units either have a
1658 means of egress door opening directly to an exterior exit access that leads
1659 directly to the exits or are served by open-ended corridors designed in
1660 accordance with Section 1027.6, Exception 3.2 to 3.5.

1661
1662 (FF) Section 5601.1.3 of the International Fire Code is amended to read:

1663
1664 5601.1.3 Fireworks.
1665 The possession, manufacture, storage, sale, handling and use of fireworks are prohibited.

1666
1667 Exceptions:
1668 1. The use of fireworks for display as allowed in Section 5608.
1669 2. The possession, storage, sale, handling and use of permissible fireworks as
1670 defined by Colorado Revised Statutes Section 24-33.5-2001,

1671
1672 (GG) Section 5704.2.9.6.1 of the International Fire Code is deleted in its entirety.

1673
1674 (HH) Section 5706.2.4.4 of the International Fire Code is deleted in its entirety.

1675
1676 (II) Section 5806.2 of the International Fire Code is deleted in its entirety.

1677
1678 (JJ) Section 6104.2 of the International Fire Code is deleted in its entirety.

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(KK) Section B105.1 of the International Fire Code is amended to read:

B105.1 One- and two-family dwellings, Group R-3 and R-4 buildings.

The minimum fire-flow and flow duration requirements for one- and two-family dwellings, Group R-3 and R-4 buildings having a fire flow calculation area that does not exceed 3,600 square feet (344.5 m2) shall be 1,000 gallons per minute (3785 L/min) for 1 hour. Fire-flow and flow duration for one- and two-family dwellings, Group R-3 and R-4 buildings having a fire-flow calculation area in excess of 3,600 square feet (344.5 m2) shall not be less than that specified in Table B105.1.

Exception: A reduction in required fire-flow of 25 percent, as approved, is allowed when the building is equipped with an approved automatic fire sprinkler system.

(LL) Section B105.2 of the International Fire Code is amended to read:

B105.2 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings.

The minimum fireflow and flow duration for buildings other than one- and two-family dwelling, Group R-3 and R-4 buildings shall be as specified in Table B105.1.

Exception: A reduction in required fire-flow of 50 percent, as approved, is allowed when the building is equipped with an approved automatic fire sprinkler system installed in accordance with Section 903.3.1.1. A reduction in required fire-flow of 25 percent, as approved, is allowed when the building is equipped with an approved automatic fire sprinkler system installed in accordance with Section 903.3.1.2. The resulting fire-flow shall not be less than 1,500 gallons per minute (5678 L/min) for the prescribed duration in Table B105.1.

(MM) Section B105.3 of the International Fire Code is deleted in its entirety.

(NN) Table B105.1(1) of the International Fire Code is deleted in its entirety.

(OO) Table B105.2 of the International Fire Code is deleted in its entirety.

(PP) Table B105.1(2) title only of the International Fire Code is amended to read:

Table B105.1: MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS.

(QQ) Section D102.1 of the International Fire Code is amended to read:

D102.1 Access and loading.

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1721 Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire
1722 department apparatus by way of an approved fire apparatus access road with an asphalt,
1723 concrete or other approved driving surface capable of supporting the imposed load of fire
1724 apparatus weighing up to 80,000 pounds (34 050 kg).

1725
1726 (RR) Section D103.1 of the International Fire Code is deleted in its entirety.

1727
1728 (SS) Section D103.2 of the International Fire Code is amended to read:

1729
1730 D103.2 Grade.

1731 The grade of the fire apparatus access road shall be a maximum of 6% or as otherwise
1732 determined by the fire code official based on fire district apparatus specifications.

1733
1734 (TT) Section D103.4 of the International Fire Code is amended to read:

1735
1736 D103.4 Dead ends.

1737 Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided
1738 with width and turnaround provisions in accordance with Table D103.4 and the city of
1739 Littleton roadway design standards. Whereas the provisions are in conflict, the provisions
1740 of the city of Littleton adopted roadway design standards shall prevail.

1741
1742 (UU) Section D103.6 of the International Fire Code is amended to read:

1743
1744 D103.6 Signs and widths.

1745 Where required by the fire code official, fire apparatus access roads shall be marked with
1746 permanent “NO PARKING – FIRE LANE” signs in accordance with the widths specified
1747 within the fire code official’s specifications.

1748
1749 (VV) Section D104.1 of the International Fire Code is amended to read:

1750
1751 D104.1 Buildings exceeding three stories or 30 feet in height.

1752 Buildings or facilities where the vertical distance between the grade plane and the highest
1753 roof surface exceeds 30 feet (9144 mm) or three stories in height shall have not fewer than
1754 two means of fire apparatus access for each structure. For purposes of this section, the
1755 highest roof surface shall be determined by measurement to the eave of a pitched roof, the
1756 intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

1757
1758 (WW) Section D105.1 of the International Fire Code is amended to read:

1759
1760 D105.1 Where required.

1761 Where the vertical distance between the grade plane and the highest roof surface exceeds
1762 30 feet (9144 mm), approved aerial fire apparatus access roads shall be provided. For

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1763 purposes of this section, the highest roof surface shall be determined by measurement to
1764 the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of
1765 parapet walls, whichever is greater.

1766
1767 Exception: Where approved by the fire code official, buildings of Type IA,
1768 Type IB construction equipped throughout with an automatic sprinkler
1769 system in accordance with Section 903.3.1.1, meets the definition of a high-
1770 rise building as defined by the International Building Code, and having
1771 firefighter access through an enclosed stairway with a Class I standpipe
1772 system from the lowest level of fire department vehicle access to all roof
1773 surfaces.

1774
1775 (XX) Section D106.1 of the International Fire Code is amended to read:
1776 D106.1 Projects having more than 100 dwelling units.
1777 Multiple-family residential projects having more than 100 dwelling units shall be equipped
1778 throughout with two separate and approved fire apparatus access roads.

1779
1780 3. 5-2-3: Violations, Penalty, is amended to read as follows:

1781
1782 5-2-3 Violations, Penalty.
1783 Whenever by the provisions of this chapter or the International Fire Code the performance
1784 of any act is required or the performance of any act is prohibited, or if any person shall be
1785 in violation of any detailed statement of specifications or plans submitted and approved
1786 under the provisions of the International Fire Code adopted by this chapter, or any
1787 certificate or permit issued thereunder, and from which no appeal has been taken, or if any
1788 person shall fail to comply with an order affirmed or modified by the City Council, or by
1789 the Fire Chief or the Fire Department serving the City or by a court of competent
1790 jurisdiction, within the time fixed herein, then such failure to comply with the provisions
1791 of this chapter, or the International Fire Code or any order issued pursuant thereto, shall
1792 severally for each and every act of noncompliance constitute a criminal violation. The
1793 imposition of one penalty for any violation shall not excuse the violation or permit it to
1794 continue; and each day that prohibited conditions are maintained shall constitute a separate
1795 and distinct offense, punishable by section 1-4-1 of this Code.

1796
1797 4. 5-2-4: Appeals, is hereby amended to read as follows:

1798
1799 5.2.4 Appeals
1800 (A) Whenever the Fire Chief or the duly appointed and acting personnel of the Fire
1801 Department serving the City shall disapprove an application or refuse to grant a permit
1802 applied for, or when it is claimed that the provisions of the International Fire Code adopted
1803 by this chapter have been misconstrued or wrongly interpreted, the applicant may appeal
1804 the decision of the Fire Chief or their designee to the designated Board of Appeals of the

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1805 Fire District serving the City making the decision as provided by the International Fire
1806 Code. The procedures of the International Fire Code adopted by the entity making the
1807 decision shall govern the processing of the appeal.

1808
1809 5. 5-2-5: Copies on file is hereby amended to read as follows:

1810
1811 5-2-5 Copies on file.

1812 A minimum of one copy of the International Fire Code as adopted by the Council is on file
1813 in the City Clerk's Office, and is available for public inspection.

1814
1815
1816 **Section 8:** Severability. If any part, section, subsection, sentence, clause or
1817 phrase of this ordinance is for any reason held to be invalid, such invalidity shall not affect the
1818 validity of the remaining sections of this ordinance. The City Council hereby declares that it would
1819 have passed this ordinance, including each part, section, subsection, sentence, clause or phrase
1820 hereof, irrespective of the fact that one or more parts, sections, subsections, sentences, clauses or
1821 phrases may be declared invalid.

1822
1823 **Section 9:** Effective Date. The effective date for these codes shall be
1824 December 1st, 2022. For those with already filed or pending building permit applications the
1825 applicant shall have the right to proceed under the previously adopted codes until January 1, 2023.

1826
1827 **Section 10:** Repealer. All ordinances or resolutions, or parts thereof, in conflict
1828 with this ordinance are hereby repealed, provided that this repealer shall not repeal the repealer
1829 clauses of such ordinance nor revive any ordinance thereby.

1830
1831
1832 INTRODUCED AS A BILL at a regularly scheduled meeting of the City Council
1833 of the City of Littleton on the 18th day of October, 2022, passed on first reading by a vote of 5
1834 FOR and 0 AGAINST; and ordered published by posting at Littleton Center, Bemis Library,
1835 the Municipal Courthouse and on the City of Littleton Website.

1836 PUBLIC HEARING on the Ordinance to take place on the 15th day of November,
1837 2022, in the Council Chambers, Littleton Center, 2255 West Berry Avenue, Littleton, Colorado,
1838 at the hour of 6:30 p.m., or as soon thereafter as it may be heard.

1839

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1840 PASSED on second and final reading, following public hearing, by a vote of 6 FOR and
1841 0 AGAINST on the 15th day of November, 2022 and ordered published by posting at Littleton
1842 Center, Bemis Library, the Municipal Courthouse and on the City of Littleton Website.
1843

1844 ATTEST:

DocuSigned by:

1845 *Colleen A. Norton*
1846 Colleen A. Norton

CITY CLERK

1847 CITY CLERK

DocuSigned by:

1848 *Reid Betzing*

1849 Reid Betzing

1850 Reid Betzing
1851 CITY ATTORNEY

DocuSigned by:

Kyle Schachter

Kyle Schachter
MAYOR

