



Regular Session  
Council Agenda Packet  
May 18, 2023

**CITY OF CROWLEY**  
**CITY COUNCIL**  
**Council Regular Session**  
**May 18, 2023**  
**ATTENDANCE SHEET**

	<u>Worksession</u>	<u>Regular</u>
Mayor Pro Tem Johnny Shotwell, Place 1	_____	_____
Council Member Jerry Beck, Place 2	_____	_____
Council Member Jesse Johnson, Place 3	_____	_____
Council Member Jim Hirth, Place 4	_____	_____
Council Member Jimmy McDonald, Place 5	_____	_____
Council Member Scott Gilbreath, Place 6	_____	_____
Mayor Billy Davis	_____	_____
<b>Staff:</b>		
Robert Loftin, City Manager	_____	_____
Lori Watson, Finance Director/Deputy City Mgr	_____	_____
Jack Thompson, EDC Director/Asst City Mgr	_____	_____
Rob Allibon, City Attorney	_____	_____
Carol Konhauser, City Secretary	_____	_____
Pleasant Brooks, Fire Chief	_____	_____
Kit Long, Chief of Police	_____	_____
Mike Rocamontes, Public Works Director	_____	_____
Matt Elgin, Direct of Projects & Utilities	_____	_____
Rachel Roberts, Planning & Comm Dev Director	_____	_____
Cristina Winner, Community Services Director	_____	_____
Lisa Hansen, HR Administrator	_____	_____
Julie Hepler, Special Event Coordinator .	_____	_____
Jay Hinton, Media Relations	_____	_____



**AGENDA  
CROWLEY CITY COUNCIL  
MAY 18, 2023  
WORK SESSION - 6:30 p.m.**

**Crowley City Hall  
201 E. Main Street  
Crowley TX 76036**

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*Citizens may address the Council by filling out a blue "Citizen Participation" card to discuss any issue that is on the Agenda. Please turn in cards to the City Secretary. Speakers are limited to three minutes (if using a translator, the time limit will be doubled).*

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**WORK SESSION - May 18, 2023 - 6:30 pm**

**I. CALL TO ORDER AND ROLL CALL**

**II. NON-ACTION ITEMS FOR DISCUSSION**

1. None.

**DISCUSSION OF ITEMS LISTED ON THE AGENDA**

**III. CONSENT AGENDA**

*All matters listed under the Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. There will not be separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.*

1. Discuss and consider approving the minutes from the regular meeting held May 4, 2023.

**IV. PUBLIC HEARINGS**

1. Hold a public hearing to discuss and consider approval of Ordinance 05-2023-486, amending Chapters 14 and 38 of the code of ordinances to adopt updated versions of the 2021 International Building Code, 2021 International Residential Code, 2021 International Plumbing Code, 2021 International Mechanical Code, 2020 National Electric Code, 2021 International Energy Conservation Code, 2021 International Fuel Gas Code, 2021 International Swimming Pool and Spa Code, 2021 International Existing Building Code, and 2021 International Fire Code as the official municipal codes of the city and adopting local amendments to such codes.

**V. CITY BUSINESS**

1. Discuss and elect a Mayor Pro-Tempore pursuant to the City of Crowley Home Rule Charter, Section 3.03.
2. Discuss and consider a special event permit application submitted by Turning Point Church to hold a summer worship series in Bicentennial Park on one (1) Saturday each month for May, Jun, July, August, and September 2023.
3. Discuss and consider adoption of Resolution R05-2023-386 a resolution of the City Council of the City of Crowley, supporting the submission of two grant applications to the Texas Department of Transportation's 2023 Transportation Alternatives set-aside (TA) call for projects.
4. Discuss and consider approval of Ordinance 05-2023-487, amending Appendix A: Schedule of Rates, Fees and Charges of the Crowley City Code, to update the references to the city's adopted building codes

**VI. ADJOURNMENT**



**AGENDA  
CROWLEY CITY COUNCIL  
MAY 18, 2023  
REGULAR SESSION - 7:00 p.m.**

**Crowley City Hall  
201 E. Main Street  
Crowley TX 76028**

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**REGULAR SESSION - May 18, 2023 - 7:00 pm**

**I. CALL TO ORDER AND ROLL CALL**

**II. INVOCATION**

**III. PLEDGE TO ALLEGIANCE TO THE AMERICAN AND TEXAS FLAGS**

*"I pledge allegiance to the flag of the United States of America and to the Republic for which it stands, one nation, under God, indivisible, with Liberty and Justice for all."*

*"Honor the Texas flag; I pledge allegiance to thee, Texas, one state, under God, one and indivisible."*

**IV. PRESENTATIONS/PROCLAMATIONS**

1. None.

**V. CONSENT AGENDA**

*All matters listed under the Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. There will not be separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.*

1. Discuss and consider approving the minutes from the regular meeting held May 4, 2023.

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**VII. CITY BUSINESS**

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2. Discuss and consider a special event permit application submitted by Turning Point Church to hold a summer worship series in Bicentennial Park on one (1) Saturday each month for May, Jun, July, August, and September 2023.
3. Discuss and consider adoption of Resolution R05-2023-386 a resolution of the City Council of the City of Crowley, supporting the submission of two grant applications to the Texas Department of Transportation's 2023 Transportation Alternatives set-aside (TA) call for projects.
4. Discuss and consider approval of Ordinance 05-2023-487, amending Appendix A: Schedule of Rates, Fees and Charges of the Crowley City Code, to update the references to the city's adopted building codes.

**VIII. ADVISORY BOARDS AND COMMISSIONS**

1. **Reports**  
None

*\*\*\*An agenda information packet is available for public inspection in the Crowley Library and on the City website, under Agenda Packets\*\*\**

## **2. Appointments/Reappointments**

None

### **IX. PUBLIC COMMENT**

*If you wish to make a public comment or discuss subjects not listed on the agenda, please fill out a (yellow) Visitor's Participation card and submit to the City Secretary. There will be no formal actions taken on subjects presented during public comments. Please NOTE council may NOT address or converse with you regarding a NON-AGENDA ITEM. The public comment period will only allow members of the public to present ideas and information to the City Officials and Staff.*

### **X. ITEMS OF COMMUNITY INTEREST**

*Items of community interest include expressions of thanks, congratulations, or condolence; information regarding holiday schedules; honorary recognitions of city officials, employees or citizens; reminders about upcoming events sponsored by the city or other entity that is scheduled to be attended by a city official or employee; and announcements involving imminent threats to the public health and safety*

### **XI. EXECUTIVE SESSION**

Pursuant to Chapter 551, Texas Government Code, the Council reserves the right to convene in Executive Session(s), from time to time as deemed necessary during this meeting for any posted agenda item to receive advice from its attorney as permitted by law, or to discuss the following as permitted by Government Code:

- 1. Section 551.071 (Consultation with Attorney)**
- 2. Section 551.072 (Deliberations about Real Property)**
- 3. Section 551.074 (Personnel Matters)**
- 4. Section 551.087 (Business Prospect/Economic Development)**

### **XII. RECONVENE AND TAKE ACTION FROM EXECUTIVE SESSION**

*Reconvene into open session and take any necessary action resulting from items posted and legally discussed in Closed Session.*

### **XIII. ADJOURNMENT**

**I, the undersigned authority, do hereby certify that this Agenda of the City Council Meeting to be held on Thursday, May 18, 2023, of the governing body of the City of Crowley is a true and correct copy posted on \_\_\_\_\_, 20\_\_\_\_ at \_\_\_\_\_ am/ pm to the City Website and at Crowley City Hall, a place convenient and readily accessible to the public at all times.**

City of Crowley

\_\_\_\_\_  
Carol C. Konhauser, City Secretary

THE CITY COUNCIL RESERVES THE RIGHT OF THE FOLLOWING:

1. ITEMS DO NOT HAVE TO BE CONSIDERED IN THE SAME ORDER AS SHOWN ON THIS AGENDA;
  2. THE COUNCIL MAY CONTINUE OR RECESS ITS DELIBERATIONS TO THE NEXT CALENDAR DAY IF IT DEEMS IT NECESSARY.
- The Crowley City Hall is wheelchair accessible and accessible parking spaces are available. Requests for accommodations must be made 48 hours prior to this meeting. Please contact the City Secretary's Office at (817) 297-2201 ext. 4000, or email [ckonhauser@ci.crowley.tx.us](mailto:ckonhauser@ci.crowley.tx.us) for further information.

**NOTICE:** A quorum of the Crime Control and Prevention District Board of Directors and the Economic Development Board of Directors will be present at this meeting; however, neither Board will take action on any items on this posted agenda.



## Crowley City Council

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### AGENDA REPORT

**Meeting Date:** May 18, 2023

**Agenda Item:** V-1

**Staff Contact:** Carol C. Konhauser  
City Secretary  
**E-mail:** [ckonhauser@ci.crowley.tx.us](mailto:ckonhauser@ci.crowley.tx.us)  
**Phone:** 817-297-2201-X 4000

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**SUBJECT:** Discuss and consider approving the minutes from the regular meeting held May 4, 2023.

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#### **BACKGROUND/DISCUSSION**

Consider approval of minutes as presented.

#### **FINANCIAL IMPACT**

None

#### **RECOMMENDATION**

Staff recommends approval of the minutes as presented; council consideration is respectfully requested.

#### **ATTACHMENTS**

- Minutes

**MINUTES OF THE CITY COUNCIL WORK SESSION HELD MAY 4, 2023.** The City Council of the City of Crowley, Texas met in Work Session on Thursday, May 4, 2023, at 6:30 pm in the City Council Chambers, 201 East Main Street, Crowley City Hall, Crowley, Texas.

Present were Mayor Billy P. Davis  
Mayor Pro-Tem Johnny Shotwell, City Council Place 1  
Council Member Jerry Beck, City Council Place 2  
Council Member Jesse Johnson, City Council Place 3  
Council Member Jim Hirth, City Council Place 4  
Council Member Jimmy McDonald, City Council Place 5  
Council Member Scott Gilbreath, City Council Place 6

City staff included: City Manager Robert Loftin  
Deputy City Mngr/Finance Director, Lori Watson  
Asst City Mngr/EDC Director, Jack Thompson  
City Attorney, Rob Allibon  
City Secretary, Carol Konhauser  
Fire Chief, Pleasant Brooks  
Police Chief, Kit Long  
Director of Projects & Utilities, Matt Elgin  
Planning and Comm Dev Director, Rachel Roberts  
HR Administrator, Lisa Hansen

Absent: None

#### **CALL TO ORDER/ ROLL CALL**

Mayor Billy Davis called the Work Session to order at 6:30 p.m. City Secretary Carol Konhauser called roll and noted a quorum was present.

#### **DISCUSSION OF NON-ACTION ITEMS**

1. None.

#### **CONSENT AGENDA**

*All matters listed under the Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. There will not be separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.*

1. **Discuss and consider approving the minutes from the regular meeting held April 20, 2023.**  
No discussion.

#### **PUBLIC HEARING**

1. None.

#### **CITY BUSINESS**

1. **Discuss and consider approval of a final plat for Hunters Ridge Phase 2, an approximately 114.132 acre tract located in the H. Walker Survey, Abstract No. 1622, J. Jennings Survey, A-875, and the H. Lane Survey, A-927, east of Crowley Rd, north of Crescent Springs Ranch, and north and east of Hunters Ridge Phase 1. The plat will create 254 residential lots and 13 open space lots. Case # PLT-2021-006..**

No discussion

2. **Discuss and consider adoption of Resolution R05-2023-385 a resolution of the City Council of the City of Crowley, Texas, approving the Advance Funding Agreement for the landscape improvements on FM 731 as a part of the TxDOT Green Ribbon Project; and authorizing the City Manager to execute said contract.**

No discussion

3. **Discuss and consider approving Resolution R05-2023-384, a resolution of the City of Crowley, Texas, supporting legislation creating the Karis Municipal Management District under the Special District Local Laws Code.**

City Manager Robert Loftin explained that several years ago, Karis developers requested the City's support in establishing an MMD through the Special District Local Laws Code and submitted the necessary paperwork to the legislature which was denied. As an alternative, they established an MMD through the TCEQ process which allowed for the developers to levy assessments related to various water district improvements. He further explained this request is to support the developer's request to establish the MMD under the Special District rules which would allow for the levying of assessments for additional improvements within the district beyond just water related improvements.

#### **ADJOURNMENT**

As there was no further business to discuss, the work session was adjourned at 6:38 pm.



**MINUTES OF THE CITY COUNCIL REGULAR SESSION HELD MAY 4, 2023.** The City Council of the City of Crowley, Texas met in Regular Session on Thursday, May 4, 2023, at 7:00 pm in the City Council Chambers, 201 East Main Street, Crowley City Hall, Crowley, Texas.

Present were Mayor Billy P. Davis  
Mayor Pro-Tem Johnny Shotwell, City Council Place 1  
Council Member Jerry Beck, City Council Place 2  
Council Member Jesse Johnson, City Council Place 3  
Council Member Jim Hirth, City Council Place 4  
Council Member Jimmy McDonald, City Council Place 5  
Council Member Scott Gilbreath, City Council Place 6

City staff included: City Manager Robert Loftin  
Deputy City Mngr/Finance Director, Lori Watson  
Asst City Mngr/EDC Director, Jack Thompson  
City Attorney, Rob Allibon  
City Secretary, Carol Konhauser  
Fire Chief, Pleasant Brooks  
Police Chief, Kit Long  
Director of Projects & Utilities, Matt Elgin  
Planning and Comm Dev Director, Rachel Roberts  
HR Administrator, Lisa Hansen

Absent: None

#### **CALL TO ORDER/ ROLL CALL**

Mayor Billy Davis called the Regular Session to order at 7:00 p.m. City Secretary Carol Konhauser called roll and noted a quorum was present.

#### **INVOCATION/PLEDGE OF ALLEGIANCE**

Invocation was given by Council Member Jesse Johnson followed by the Pledge of Allegiance to the American and Texas Flags.

#### **PRESENTATIONS/PROCLAMATIONS**

1. **National Police Week Proclamation was read and presented by Council Member Jimmy McDonald.**

#### **CONSENT AGENDA**

*All matters listed under the Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. There will not be separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.*

1. **Discuss and consider approving the minutes from the regular meeting held April 20, 2023.**

Council Member Jimmy McDonald made the motion to approve the Consent Agenda item(s), second by Council Member Jim Hirth; council voted unanimously to approve the motion as presented. Motion carried 7-0.

#### **PUBLIC HEARING**

1. **None**

#### **CITY BUSINESS**

1. **Discuss and consider approval of a final plat for Hunters Ridge Phase 2, an approximately 114.132 acre tract located in the H. Walker Survey, Abstract No. 1622, J. Jennings Survey, A-875, and the H. Lane Survey, A-927, east of Crowley Rd, north of Crescent Springs Ranch, and north and east of Hunters Ridge Phase 1. The plat will create 254 residential lots and 13 open space lots. Case # PLT-2021-006.**

Council Member Jesse Johnson made the motion to approve the final plat for Hunters Ridge Phase 2; second by Council Member Jerry Beck, council voted unanimously to approve the motion as presented. Motion carried 7-0.

2. **Discuss and consider adoption of Resolution R05-2023-385 a resolution of the City Council of the City of Crowley, Texas, approving the Advance Funding Agreement for the landscape improvements on FM 731 as a part of the TxDOT Green Ribbon Project; and authorizing the City Manager to execute said contract.**

Council Member Jim Hirth made the motion to approve Resolution R05-2023-385; second by Council Member Jimmy McDonald, council voted unanimously to approve the motion as presented. Motion carried 7-0.

3. **Discuss and consider approving Resolution R05-2023-384, a resolution of the City of Crowley, Texas, supporting legislation creating the Karis Municipal Management District under the Special District Local Laws Code.**

Council Member Jim Hirth made the motion to approve Resolution R05-2023-384; second by Council Member Jesse Johnson, council voted unanimously to approve the motion as presented. Motion carried 7-0.

#### **ADVISORY BOARDS AND COMMISSIONS**

*Reports/appointments or reappointments.*

1. Reports:  
None
2. Appointments/Reappointments:  
None.

#### **PUBLIC COMMENT**

Mayor Davis asked if there were any citizens or visitors wishing to speak.

Dr Michael McFarland, Crowley ISD Superintendent stepped up to thank the City for all their support.

Mr Anthony Kirschner, Crowley ISD Communication Officer, addressed council to thank the City for their support during the Election and stated there was a 300% increase in Johnson County voters from the previous year.

Terri Horn, Crowley Chamber of Commerce, announced the Skeet Shoot Competition Fundraiser would be held on May 12, 2023 at 8:00 am.

#### **ITEMS OF COMMUNITY INTEREST**

Mayor Davis then asked if there were any community interest items.

As there was no further business, Mayor Billy Davis adjourned the meeting at 7:13 p.m.

ATTEST:

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Billy Davis, Mayor

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Carol C. Konhauser, City Secretary



## Crowley City Council

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### AGENDA REPORT

**Meeting Date:** May 18, 2023

**Agenda Item:** VI-1

**Staff Contact:** Rachel Roberts

**E-mail:** rroberts@ci.crowley.tx.us

**Phone:** 817/297-2201 x 3030

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**SUBJECT:** Hold a public hearing to discuss and consider approval of Ordinance 05-2023-486, amending Chapters 14 and 38 of the code of ordinances to adopt updated versions of the 2021 International Building Code, 2021 International Residential Code, 2021 International Plumbing Code, 2021 International Mechanical Code, 2020 National Electric Code, 2021 International Energy Conservation Code, 2021 International Fuel Gas Code, 2021 International Swimming Pool and Spa Code, 2021 International Existing Building Code, and 2021 International Fire Code as the official municipal codes of the city and adopting local amendments to such codes.

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### **BACKGROUND/DISCUSSION**

The city is currently under the 2012 building codes, the 2011 National Electric Code, and the 2015 fire code. Staff recommend updating to newer codes in order to stay up to date with current safety practices. Adopting the newer codes is also a major factor in obtaining a good ISO (Insurance Services Office<sup>§</sup>) rating. ISO ratings are used to set home insurance pricing for communities. The rating is based on a program administered by ISO called the Building Code Effectiveness Grading Schedule (BCEGS). Every few years, a representative from BCEGS visits the city and reviews information about the city's codes, permit requirements, and staff qualifications.

A lower ISO rating can lead to higher home insurance costs. The City of Crowley will receive its new ISO rating this year; the representative from BCEGS who reviewed Crowley's codes and qualifications this year advised staff that having older building codes is a major factor contributing to a lower ISO rating (note: cities go through a separate process to receive a rating for the fire service).

The newer codes recommended for adoption are:

- 2021 International Building Code
- 2021 International Residential Code
- 2021 International Plumbing Code
- 2021 International Mechanical Code
- 2020 National Electric Code
- 2021 International Energy Conservation Code

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<sup>§</sup> ISO is a subsidiary of Verisk Analytics. Verisk is a provider of risk information for insurance companies. See attached handout from the FEMA website for more information about ISO and BCEGS.

- 2021 International Fuel Gas Code
- 2021 International Swimming Pool and Spa Code
- 2021 International Existing Building Code
- 2021 International Fire Code

Staff were advised by our third party inspection company that residents in Crowley should not be affected by the code update unless they are gutting their homes and rebuilding. The building inspector also advised staff that major home builders in the area already build to the 2021 codes because those codes are required in some of the larger cities, and it's easier for builders to just keep track of requirements in one set of codes, so the update is also not expected to affect operations of the home builders working in Crowley. However, staff recommend the ordinance not go into effect until June 1 to give builders additional time to continue with permitting in existing subdivisions for projects they are ready to submit now while they adjust their plans for future submittals.

#### *Amendments*

The city's building inspector and plan reviewer (from Safebuilt) both recommend that in addition to adopting the codes, the city should adopt the amendments that are provided by NCTCOG. Those amendments are included with the ordinance under consideration. Staff have made some changes to the amendments from NCTCOG to correct some typographical error and to make them more compatible with local policies, preferences, and operations. For example, the NCTCOG amendment would require every foundation regulated by the IRC to be designed by an engineer. Our building inspector recommended changing this to require only foundations over 400 square feet to be engineered to ensure that a home owner adding a patio to their home would not be required to have an engineer design the patio. If the patio will not have any structural elements, then an engineered design should not be necessary.

#### *Sound Transmission Regulations*

Staff also recommend adopting appendix AK of the International Residential Code, with amendments. The International Residential Code applies to single family detached structures, two-family structures, and townhomes that are not more than three stories in height. Appendix AK adopts regulations concerning sound transmission in these types of buildings. As part of adopting the appendix, staff recommend adopting an amendment establishing higher sound transmission regulations. Staff also recommend adopting higher standard to the sound transmission regulations in the International Building Code.

- Without adopting Appendix AK, there are no regulations of this kind in the city code for single family and two-family structures. The Karis PD district requires a sound transmission class rating of 58 for single family attached structures (townhomes), but without adopting the testing standards in Appendix AK, these regulations are likely unenforceable. The city will need to adopt Appendix AK (or amend the PD district to include testing standards) in order to enforce the PD district regulations.
- The city's Multi-Family district regulations already include sound transmission regulations. However, staff did not include testing standards in the ordinance when the regulations were presented for adoption. We have talked with an acoustic engineer and with our attorney, and without the appropriate testing standards, the MF district regulations

may also be difficult to enforce. Staff recommend adopting the amendments that are proposed for the IBC and removing the sound transmission regulations in the MF zoning regulations (through a separate ordinance to be considered at a later date).

- Staff have included an attachment to this report explaining the recommended amendments in more detail.

#### *New Codes for Crowley*

The International Existing Building Code (IEBC) and the International Swimming Pool and Spa Codes (ISPSC) would be new codes adopted for Crowley.

- Until the 2015 codes were published, regulations governing swimming pool construction were included in the IRC and IBC, but now they are published in a separate document, the ISPSC.
- The IEBC is a scoping document that tells contractors and city permits staff which regulations from the IBC and IRC should apply to work done on existing buildings.

*NOTE: When NCTCOG publishes its list of proposed amendments, it includes notations on why they're recommending the amendments. The documents were too long to include with the agenda packet, but they are available for download at <https://bit.ly/3pk5US8>.*

### **RECOMMENDATION**

Staff recommend approval.

### **ATTACHMENTS:**

- Ordinance adopting 2021 building codes and fire code and 2020 electric code
- Exhibits with proposed amendments
- Explanation of proposed amendments to sound transmission regulations
- FEMA website post providing information on ISO ratings

**ORDINANCE NO. 05-2023-486**

**AN ORDINANCE OF THE CITY OF CROWLEY AMENDING CHAPTERS 14 AND 38 OF THE CODE OF ORDINANCES TO ADOPT UPDATED VERSIONS OF THE OFFICIAL MUNICIPAL CODES OF THE CITY AND ADOPTING LOCAL AMENDMENTS TO SUCH CODES; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR A PENALTY FOR VIOLATIONS; PROVIDING A SAVINGS CLAUSE; PROVIDING FOR PUBLICATION IN THE OFFICIAL NEWSPAPER; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City of Crowley is a home rule city acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

**WHEREAS**, the City Council of the City of Crowley previously adopted the 2012 Editions of the International Building Code, International Residential Code, International Plumbing Code, International Mechanical Code, International Energy Conservation Code, International Fuel and Gas Code, the 2011 Edition of the National Electrical Code, and the 2015 Edition of the International Fire Code as the official municipal codes of the City; and

**WHEREAS**, the City Council desires to adopt updated versions of such official municipal codes, along with the specified local amendments attached as exhibits to each code reflecting the unique needs of the City of Crowley; and

**WHEREAS**, the City Council additionally desires to adopt the 2021 International Swimming Pool and Spa code and the 2021 International Existing Building Code, along with the specified local amendments attached as exhibits to each code reflecting the unique needs of the City of Crowley; and

**WHEREAS**, the City Council held a public hearing on May 18, 2023 regarding the adoption of the updated municipal codes and local amendments, as required by Subchapter G, Chapter 214, Texas Local Government Code.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CROWLEY, TEXAS:**

**SECTION 1.**

That Article I “In General”, of Chapter 14 “Buildings and Building Regulations” of the City Code be and is hereby amended to add a new Section 14-1 to read as follows:

**“Sec. 14-1. Conflicts.**

In the event of a conflict between provisions of any official municipal code adopted in this

Chapter and the provisions of other City ordinances adopted elsewhere in this City Code, the more stringent standards shall apply.”

## **SECTION 2.**

That Article III "Building Code", Section 14-122, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

### **“Sec. 14-122. International Building Code Adopted.**

The 2021 Edition of the International Building Code, as amended by Exhibit ‘A’, is hereby adopted as the official building code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

## **SECTION 3.**

That Article IV "Residential Code", Section 14-147, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

### **“Sec. 14-147. International Residential Code Adopted.**

The 2021 Edition of the International Residential Code, as amended by Exhibit ‘B’, and including Appendix “AK,” as amended by Exhibit ‘C’, is hereby adopted as the official residential code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

## **SECTION 4.**

That Article V "Energy Conservation Code", Section 14-167, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

### **“Sec. 14-167. International Energy Conservation Code Adopted.**

The 2021 Edition of the International Energy Conservation Code, as amended by Exhibit ‘D’, is hereby adopted as the official energy conservation code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

## **SECTION 5.**

That Article VI "Electrical Code", Section 14-192, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

**“Sec. 14-192. National Electrical Code Adopted.**

The 2020 Edition of the National Electrical Code, as amended by Exhibit ‘E’, is hereby adopted as the official electrical code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

**SECTION 6.**

That Article VII "Mechanical Code", Section 14-212, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

**“Sec. 14-212. International Mechanical Code Adopted.**

The 2021 Edition of the International Mechanical Code, as amended by Exhibit ‘F’, is hereby adopted as the official mechanical code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

**SECTION 7.**

That Article VIII "Plumbing Code", Section 14-237, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

**“Sec. 14-237. International Plumbing Code Adopted.**

The 2021 Edition of the International Plumbing Code, as amended by Exhibit ‘G’, is hereby adopted as the official plumbing code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

**SECTION 8.**

That Article IX “Reserved” of Chapter 14 of the Crowley City Code is hereby amended in its entirety to adopt a Swimming Pool and Spa Code to read as follows:

**“Sec. 14-295. International Swimming Pool and Spa Code Adopted.**

The 2021 Edition of the International Swimming Pool and Spa Code, as amended by Exhibit ‘H’, is hereby adopted as the official swimming pool and spa code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.



#### **Sec. 14-296. Amendments.**

The city may from time to time determine that certain local amendments to the swimming pool and spa code are necessary and appropriate to meet the unique building needs of the city. To effectuate modifications, the city council may enact individual ordinances amending such code setting forth the changes to be made in such code. Such amendments shall be consolidated as an exhibit to such code, and shall be maintained with such code as a public record in the office of the city secretary.

#### **Sec. 14-297. Permits and Fees.**

The swimming pool and spa code provides for the issuance of certain permits and the collection of fees therefor. The fees shall be established by the city fee schedule, appendix A to this Code.

Sec. 14-298 – Sec. 14-328 – Reserved”

### **SECTION 9.**

That Article XI "Fuel Gas Code", Section 14-378, of Chapter 14 of the Crowley City Code be and is hereby amended to read as follows:

#### **“Sec. 14-378. International Fuel Gas Code Adopted.**

The 2021 Edition of the International Fuel Gas Code, as amended by Exhibit ‘I’, is hereby adopted as the official fuel gas code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.”

### **SECTION 10.**

That Article XIV “Existing Building Code” is hereby added to Chapter 14 of the Crowley City Code to read as follows:

#### **“Sec. 14-490. International Existing Building Code Adopted.**

The 2021 Edition of the International Existing Building Code, as amended by Exhibit ‘J’, is hereby adopted as the existing building code of the City. The material contained in such code shall not be included in the formal municipal codification of ordinances, but shall be maintained as a public record in the office of the City Secretary and will be available for public inspection and copying during regular business hours.

#### **Sec. 14-491. Amendments.**

The city may from time to time determine that certain local amendments to the existing

building code are necessary and appropriate to meet the unique building needs of the city. To effectuate modifications, the city council may enact individual ordinances amending such code setting forth the changes to be made in such code. Such amendments shall be consolidated as an exhibit to such code, and shall be maintained with such code as a public record in the office of the city secretary.

#### **Sec. 14-492. Permits and Fees.**

The existing building code provides for the issuance of certain permits and the collection of fees therefor. The fees shall be established by the city fee schedule, appendix A to this Code.

Sec. 14-493 – Sec. 14-499 – Reserved”

### **SECTION 11.**

That Article IV "Fire Code" of Chapter 38 of the Crowley City Code be and is hereby amended to read as follows:

#### **“Sec. 38-83. Fire Code Adopted.**

The 2021 Edition of the International Fire Code, as amended by Exhibit ‘K’, is hereby adopted as the official Fire Code of the City of Crowley, Texas.

#### **Sec. 38-84. Maintenance of code as public record.**

The material contained in the fire code, although fully adopted and incorporated by reference, shall not be included in the formal municipal codification of ordinances. The material shall instead be maintained as a public record in the office of the city secretary and the fire chief. These exhibits will be available for public inspection and copying during regular business hours. The purpose of maintaining these records separate and apart from the municipal codification is to avoid the inclusion of detailed technical construction materials, subject to frequent change, which would unreasonably lengthen the Code.

#### **Sec. 38-85. Adoption of local amendments.**

The 2021 Edition of the International Fire Code, as adopted herein, is hereby amended by adoption of those appendices and local amendments shown on Exhibit "K" attached hereto and incorporated herein by reference.

#### **Sec. 38-86. Additional local amendments contemplated.**

The city may from time to time determine that additional local modifications to the International Fire Code, 2021 Edition, are necessary and appropriate to meet the unique needs of the city. To effectuate modifications, the city council may enact individual ordinances amending this article. The amendments shall be consolidated as an to this article, and shall be maintained as a public record in the office of the city secretary and fire chief.

## **Sec. 38-87. Permits and fees.**

The fire code adopted herein provides for the issuance of certain permits and the collection of fees therefore. The fees shall be established by the city fee schedule, Appendix A to this Code.”

### **SECTION 12.**

This Ordinance shall be cumulative of all provisions of all existing ordinances and of the Code of Ordinances of the City of Crowley, Texas, as amended, except where the provisions of this ordinance are in direct conflict with the provisions of such existing ordinances and code, in which event the conflicting provisions of such ordinances and Code are hereby repealed.

### **SECTION 13.**

It is hereby declared to be the intention of the City Council that the phrases, clauses, sentences, paragraphs and sections of this Ordinance are severable, and if any phrase, clause, sentence, paragraph or section of this Ordinance shall be declared unconstitutional by the valid judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining, phrase, clauses, sentences, paragraphs or sections of this Ordinance since the same would have been enacted by the City Council without incorporation in this Ordinance of any such unconstitutional phrase, clause, sentence, paragraph or section.

### **SECTION 14.**

Any person, firm or corporation who violates, disobeys, omits, neglects or refuses to comply with or who resists the enforcement of any of the provisions of this Ordinance shall be fined no more than Two Thousand Dollars and no cents (\$2,000.00) for all violations involving zoning, fire safety or public health and sanitation, including dumping or refuse, and shall be fined not more than Five Hundred Dollars and no cents (\$500.00) for all other violations of this Ordinance. Each day that a violation is permitted to exist shall constitute a separate offense.

### **SECTION 15.**

All rights and remedies of the City of Crowley, Texas, are expressly saved as to any and all violations of the provisions of the Building Code, Residential Code, Electrical Code, Energy Code, Mechanical Code, Plumbing Code, Fuel Gas Code, Existing Building Code, Fire Code, or any other ordinances affecting such codes which have accrued at the time of the effective date of this Ordinance; and, as to such accrued violations and all pending litigation, both civil and criminal, whether pending in court or not, under such ordinances same shall not be affected by this Ordinance but may be prosecuted until final disposition by the courts.

### **SECTION 16.**

The City Secretary of the City of Crowley is hereby directed to publish in the official newspaper of the City of Crowley, the caption, penalty clause, publication clause, and effective date clause of this ordinance as authorized by Section 52.013 of the Local Government Code.

**SECTION 17.**

This Ordinance shall take effect June 1, 2023, after its passage and publication as provided by law, and it is so ordained.

**PASSED AND APPROVED ON THIS 18<sup>TH</sup> DAY OF MAY, 2023.**

**CITY OF CROWLEY**

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Billy P. Davis, Mayor

ATTEST:

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Carol Konhauser, City Secretary

APPROVED AS TO FORM:

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Rob Allibon, City Attorney

**EXHIBIT ‘A’**

**AMENDMENTS TO 2021 INTERNATIONAL BUILDING CODE**

## Exhibit 'A'

### Amendments to the 2021 International Building Code

The following sections, paragraphs, and sentences of the *2021 International Building Code* are hereby amended as follows: Standard type is text from the IBC. Underlined type is text inserted. Lined through type is deleted text from IBC.

#### **Section 101.4; change to read as follows:**

**101.4 Referenced codes.** The other codes listed in Sections 101.4.1 through 101.4.7 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the Electrical Code shall mean the Electrical Code as adopted.

#### **101.4.4 Property maintenance.**

The provisions of the International Property Maintenance Code, where referenced, shall apply to existing structures and premises; equipment and facilities; light, ventilation, space heating, sanitation, life and fire safety hazards; responsibilities of owners, operators and occupants; and occupancy of existing premises and structures.

*[remainder of 101.4.1 through 104.1.7 to remain unchanged]*

#### **Section 101.4.8; add the following:**

**101.4.8 Electrical.** The provisions of the Electrical Code shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

#### **Sections 103 and 103.1; amend to insert the Department Name**

#### **CODE COMPLIANCE AGENCY COMMUNITY DEVELOPMENT DEPARTMENT**

**103.1 ~~Creation of~~ Enforcement agency.** The Community Development Department is the department responsible for enforcement of this code, ~~hereby created~~ and the official in charge thereof of enforcing this code shall be known as the *building official*.

[Remainder Unchanged]

**Section [A] 104.2.1 Determination of substantially improved or substantially damaged existing buildings and structures in flood hazard areas.** *(Jurisdictions may consider the option to amend or delete depending on local enforcement and flood hazard ordinances.)*

**Section 104.10.1; Flood hazard areas; delete this section**

***Section 105.2 Work exempt from permit; under sub-title entitled "Building" delete items 1, 2, 10 and 11 and re-number as follows:***

**Building:**

- ~~1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11 m<sup>2</sup>).~~
- ~~2. Fences not over 7 feet (1829 mm) high.~~
- ~~3. 1. (Remainder Unchanged)~~
- ~~4. 2. (Remainder Unchanged)~~
- ~~5. 3. (Remainder Unchanged)~~
- ~~6. 4. Sidewalks and driveways not more than 30 inches (762) above adjacent grade, and not over any basement or story below and are not part of an accessible route, and not located in the right-of-way.~~
- ~~7. 5. (Remainder Unchanged)~~
- ~~8. 6. (Remainder Unchanged)~~
- ~~9. 7. (Remainder Unchanged)~~
- ~~10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.~~
- ~~11. 8. (Remainder Unchanged)~~
- ~~12. 9. (Remainder Unchanged)~~
- ~~13. 10. (Remainder Unchanged)~~

***Section 109; add Section 109.7 to read as follows:***

**109.7 Re-inspection Fee.** A fee as established by city council resolution may be charged when:

1. The inspection called for is not ready when the inspector arrives;
2. No building address or permit card is clearly posted;
3. City approved plans are not on the job site available to the inspector;
4. The building is locked or work otherwise not available for inspection when called;
5. The same item on a job site fails inspection twice;
6. The original failed inspection ticket has been removed from the job site.
7. Failure to maintain erosion control, trash control or tree protection.

Any re-inspection fees assessed shall be paid before any more inspections are made on that job site.

**Section 110.3.6; Lath, gypsum board and gypsum panel product inspection; Delete exception**

~~**Exception :** Gypsum board and gypsum panel products that are not part of a fire resistance rated assembly or a shear assembly.~~

**Section 202; amend definition of Ambulatory Care Facility as follows:**

**AMBULATORY CARE FACILITY.** Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing or similar care on a less than 24-hour basis to individuals persons who are rendered incapable of self-preservation by the services provided ~~or staff has accepted responsibility for care recipients already incapable.~~ This group may include but not be limited to the following:

- Dialysis centers
- Sedation dentistry
- Surgery centers
- Colonic centers
- Psychiatric centers

**Section 202; add definition of Assisting Living Facilities to read as follows.**

**ASSISTED LIVING FACILITIES.** A building or part thereof housing persons, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment which provides personal care services. The occupants are capable of responding to an emergency situation without physical assistance from staff.

**Section 202; ~~add~~ amend definition of "Repair Garage" as follows:**

**REPAIR GARAGE.** A building, structure or portion thereof used for servicing or repairing motor vehicles. This occupancy shall also include garages involved in minor repair, modification and servicing of motor vehicles for items such as lube changes, inspections, windshield repair or replacement, shocks, minor part replacement and other such minor repairs.

**Section 202; amend definition of SPECIAL INSPECTOR to read as follows:**

**SPECIAL INSPECTOR.** A qualified person employed or retained by an approved agency who shall prove to the satisfaction of the registered design professional in responsible charge and approved by the Building Official as having the competence necessary to inspect a particular type of construction requiring special inspection.

**Section 202; amend definition of HIGH-RISE BUILDING to read as follows:**



**HIGH-RISE BUILDING.** A building with an occupied floor located more than ~~75~~ 55 feet (~~22 860 mm~~) (16 764 mm) above the lowest level of fire department vehicle access.

**Section 303.1.3; add a sentence to read as follows:**

**303.1.3 Associated with Group E occupancies.** A room or space used for assembly purposes that is associated with a Group E occupancy is not considered a separate occupancy, except when applying the assembly requirements of Chapters 10 and 11.

**Section 304.1; add the following to the list of occupancies:**

Fire stations

Police stations with detention facilities for 5 or less

**Section 307.1.1; add the following sentence to Exception 4:**

4. Cleaning establishments... {Text unchanged} ...with Section 707 or 1-hour horizontal assemblies constructed in accordance with Section 711 or both. See also IFC Chapter 21, Dry Cleaning Plant provisions.

**Section 403.1, Exception 3; change to read as follows:**

3. The open-air portion of a building [remainder unchanged]

**Section 403.3, Automatic Sprinkler System. Delete exception**

**Section 403.3.2; change to read as follows:**

**[F] 403.3.2 Water supply to required fire pumps.** In buildings that are more than ~~420~~ 120 feet (36.5 m) in building height, required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

**Exception:** {No change to exception.}

**Section 404.10; change to read as follows:**

**Section 404.10 Exit Stairways in an atrium.** Where an atrium contains an interior exit access stairway all the following shall be met:

*[Remainder Unchanged]*

**Section 406.3.3.1 Carport separation; add sentence to read as follows:**

A fire separation is not required between a Group R-2 and U carport provided that the carport is entirely open on all sides and that the distance between the two is at least 10 feet (3048 mm).

**Section 423.5.1; change to read as follows:**

**423.5.1 Required occupant capacity.** The required occupant capacity of the storm shelter shall include all of the buildings on the site and shall be the ~~greater of the following:~~

- ~~1. The Total occupant load of the classrooms, vocational rooms and offices in the Group E occupancy.~~
- ~~2. The occupant load of the largest indoor assembly space that is associated with the Group E occupancy.~~

**Exceptions:**

1. Where a new building is being added on an existing Group E site, and where the new building is not of sufficient size to accommodate the required occupant capacity of the storm shelter for all of the buildings on the site, the storm shelter shall at a minimum accommodate the required occupant capacity for the new building.
2. Where approved by the building official, the required occupant capacity of the shelter shall be permitted to be reduced by the occupant capacity of any existing storm shelters on the site.
3. Where approved by the building official, the actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by occupant load calculation, shall be permitted to be used in the determination of the required design occupant capacity for the storm shelter.

**Section 503.1.; add sentence to read as follows:**

**503.1. General.** [Existing Text to remain]

Where a building contains more than one distinct type of construction, the building shall comply with the most restrictive area, height, and stories, for the lesser type of construction or be separated by fire walls, except as allowed in Section 510.

***Table 506.2; delete footnote i from table***

~~i. The maximum allowable area for a single-story non-sprinklered Group U greenhouse is permitted to be 9000 square feet or the allowable area shall be permitted to comply with Table C102.1 of Appendix C.~~

**Section 506.3.1; add sentence to read as follows:**

**506.3.1 Minimum percentage of perimeter.** [Existing Text remains]

In order to be considered as accessible, if not in direct contact with a street or fire lane, a minimum 10-foot-wide pathway meeting fire department access from the street or approved fire lane shall be provided.

**Section 708.4.2; change sentence to read as follows:**

**708.4.2 Fireblocks and draftstops in combustible construction.** *[Body of text unchanged]*

**Exceptions:**

1. Buildings equipped with an automatic sprinkler system installed throughout in accordance with Section 903.3.1.1, or in accordance with Section 903.3.1.2 provided that sprinkler protection is provided in the space between the top of the fire partition and the underside of the floor or roof sheathing, deck or slab above as required for systems complying with Section 903.3.1.1. Portions of buildings containing concealed spaces filled with noncombustible insulation as permitted for sprinkler omission shall not apply to this exception for draftstopping. *[Remainder unchanged]*

**Section 718.3; change sentence to read as follows:**

**718.3 Draftstopping in floors.** *[Body of text unchanged]*

**Exceptions:** Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. and provided that in combustible construction, sprinkler protection is provided in the floor space.

**Section 718.4; change sentence to read as follows:**

**718.4 Draftstopping in attics.** *[Body of text unchanged]*

**Exceptions:** Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 and provided that in combustible construction, sprinkler protection is provided in the attic space.

**Section 901.6.1; add Section 901.6.1.1 to read as follows:**

**901.6.1.1 Standpipe Testing.** Building owners/managers must maintain and test standpipe systems as per NFPA 25 requirements. The following additional requirements shall be applied to the testing that is required every 5 years:

1. The piping between the Fire Department Connection (FDC) and the standpipe shall be backflushed or inspected by approved camera when foreign material is present or when caps are missing, and also hydrostatically tested for all FDC's on any type of standpipe

system. Hydrostatic testing shall also be conducted in accordance with NFPA 25 requirements for the different types of standpipe systems.

2. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the *fire code official*) to each FDC, and flow water through the standpipe system to the roof outlet to verify that each inlet connection functions properly. Confirm that there are no open hose valves prior to introducing water into a dry standpipe. There is no required pressure criteria at the outlet. Verify that check valves function properly and that there are no closed control valves on the system.
3. Any pressure relief, reducing, or control valves shall be tested in accordance with the requirements of NFPA 25. All hose valves shall be exercised.
4. If the FDC is not already provided with approved caps, the contractor shall install such caps for all FDC's as required by the *fire code official*.
5. Upon successful completion of standpipe test, place a blue tag (as per Texas Administrative Code, Fire Sprinkler Rules for Inspection, Test and Maintenance Service (ITM) Tag) at the bottom of each standpipe riser in the building. The tag shall be check-marked as "Fifth Year" for Type of ITM, and the note on the back of the tag shall read "5 Year Standpipe Test" at a minimum.
6. The procedures required by Texas Administrative Code Fire Sprinkler Rules with regard to Yellow Tags and Red Tags or any deficiencies noted during the testing, including the required notification of the local Authority Having Jurisdiction (*fire code official*) shall be followed.
7. Additionally, records of the testing shall be maintained by the owner and contractor, if applicable, as required by the State Rules mentioned above and NFPA 25.
8. Standpipe system tests where water will be flowed external to the building shall not be conducted during freezing conditions or during the day prior to expected nighttime freezing conditions.
9. Contact the *fire code official* for requests to remove existing fire hose from Class II and III standpipe systems where employees are not trained in the utilization of this firefighting equipment. All standpipe hose valves must remain in place and be provided with an approved cap and chain when approval is given to remove hose by the *fire code official*.

**Section 903.1.1; change to read as follows:**

**903.1.1 Alternative Protection.** Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted ~~instead of~~ in addition to automatic sprinkler protection where recognized by the applicable standard ~~and, or~~ as approved by the *fire code official*.

**Section 903.2; add paragraph to read as follows and delete the exception for telecommunications buildings:**

Automatic Sprinklers shall not be installed in elevator machine rooms, elevator machine spaces, and elevator hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances. Storage shall not be allowed within the elevator machine room. Signage shall be provided at the entry doors to the elevator machine room indicating "ELEVATOR MACHINERY – NO STORAGE ALLOWED."

**Section 903.2.4.2; change to read as follows:**

**903.2.4.2 Group F-1 distilled spirits.** An automatic sprinkler system shall be provided throughout a Group F-1 fire area used for the manufacture of distilled spirits involving more than 120 gallons of distilled spirits (>16% alcohol) in the fire area at any one time.

**Section 903.2.9.3; change to read as follows:**

**903.2.9.3 Group S-1 distilled spirits or wine.** An automatic sprinkler system shall be provided throughout a Group S-1 fire area used for the bulk storage of distilled spirits or wine involving more than 120 gallons of distilled spirits or wine (>16% alcohol) in the fire area at any one time.

**Section 903.2.9.4 and 903.2.9.5; delete Exception to 903.2.9.4 and add Section 903.2.9.5 to read as follows:**

**903.2.9.5 Self-Service Storage Facility.** An automatic sprinkler system shall be installed throughout all self-service storage facilities.

**Section 903.2.11; change 903.2.11.3 and add 903.2.11.7, 903.2.11.8, and 903.2.11.9 as follows:**

**903.2.11.3 Buildings ~~55~~ 35 feet or more in height.** An automatic sprinkler system shall be installed throughout buildings that have one or more stories ~~with an occupant load of 30 or more,~~ other than penthouses in compliance with Section 1510 of the *International Building Code*, located ~~55 35~~ feet (~~46 764~~ 10 668 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.

**Exceptions:**

~~2. Occupancies in Group F-2.~~

**903.2.11.7 High-Piled Combustible Storage.** For any building with a clear height exceeding 12 feet (4572 mm), see Chapter 32 to determine if those provisions apply.

**903.2.11.8 Spray Booths and Rooms.** New and existing spray booths and spraying rooms shall be protected by an approved automatic fire-extinguishing system.

**903.2.11.9 Buildings Over 6,000 sq. ft.** An automatic sprinkler system shall be installed throughout all buildings with a building area 6,000 sq. ft. or greater and in all existing buildings that are enlarged to be 6,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

Exception: Open parking garages in compliance with Section 406.5 of the *International Building Code* where all of the following conditions apply:

- a. The structure is freestanding.
- b. The structure does not contain any mixed uses, accessory uses, storage rooms, electrical rooms, elevators or spaces used or occupied for anything other than motor vehicle parking.
- c. The structure does not exceed 3 stories.
- d. An approved fire apparatus access road is provided around the entire structure.

**Section 903.3.1.1.1; change to read as follows:**

**903.3.1.1.1 Exempt Locations.** When approved by the fire code official, automatic sprinklers shall not be required in the following rooms or areas where such ...*{text unchanged}*... because it is damp, of fire-resistance-rated construction or contains electrical equipment.

1. Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.
2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the fire code official.
3. Generator and transformer rooms, under the direct control of a public utility, separated from the remainder of the building by walls and floor/ceiling or roof/ceiling assemblies having a fire-resistance rating of not less than 2 hours.
4. ~~In rooms or areas that are of noncombustible construction with wholly noncombustible contents.~~
5. ~~Fire service access~~ Elevator machine rooms, ~~and~~ machinery spaces, and hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances.
6. {Delete.}

**\*Section 903.3.1.2; change to read as follows:**

**903.3.1.2 NFPA 13R sprinkler systems.** Automatic sprinkler systems in Group R occupancies shall

be permitted to be installed throughout in accordance with NFPA 13R where the Group R occupancy

meets all of the following conditions:

1. Four stories or less above grade plane.
2. The floor level of the highest story is ~~30~~ 35 feet (9144 10668 mm) or less above the lowest level of fire department vehicle access.
3. The floor level of the lowest story is ~~30~~ 35 feet (9144 10668 mm) or less below the lowest level of fire department vehicle access.

{No change to remainder of section.}

**Section 903.3.1.2.2; change to read as follows:**

**903.3.1.2.2 Corridors and balconies in the means of egress.** Sprinkler protection shall be provided in all corridors and for all balconies. ~~in the means of egress where any of the following~~

conditions apply: {Delete the rest of this section.}

**Section 903.3.1.2.3; delete section and replace as follows:**

**Section 903.3.1.2.3 Attached Garages and Attics.** Sprinkler protection is required in attached garages, and in the following attic spaces:

1. Attics that are used or intended for living purposes or storage shall be protected by an automatic sprinkler system.
2. Where fuel-fired equipment is installed in an unsprinklered attic, not fewer than one quick-response intermediate temperature sprinkler shall be installed above the equipment.
3. Attic spaces of buildings that are two or more stories in height above grade plane or above the lowest level of fire department vehicle access.
4. Group R-4, Condition 2 occupancy attics not required by Item 1 or 3 to have sprinklers shall comply with one of the following:
  - 4.1. Provide automatic sprinkler system protection.
  - 4.2. Provide a heat detection system throughout the attic that is arranged to activate the building fire alarm system.
  - 4.3. Construct the attic using noncombustible materials.
  - 4.4. Construct the attic using fire-retardant-treated wood complying with Section 2303.2 of the International Building Code.
  - 4.5. Fill the attic with noncombustible insulation.

**Section 903.3.1.3; change to read as follows:**

**903.3.1.3 NFPA 13D Sprinkler Systems.** *Automatic sprinkler systems* installed in one- and two-family *dwelling*s; Group R-3; Group R-4, Condition 1; and *townhouses* shall be permitted to be installed throughout in accordance with NFPA 13D or in accordance with state law.

**Section 903.3.1.4; add to read as follows:**

**[F] 903.3.1.4 Freeze protection.** Freeze protection systems for automatic fire sprinkler systems shall be in accordance with the requirements of the applicable referenced NFPA standard and this section.

**903.3.1.4.1 Attics.** Only dry pipe, preaction, or listed antifreeze automatic fire sprinkler systems shall be allowed to protect attic spaces.

**Exception:** Wet-pipe fire sprinkler systems shall be allowed to protect non-ventilated attic spaces where:

1. The attic sprinklers are supplied by a separate floor control valve assembly to allow ease of draining the attic system without impairing sprinklers throughout the rest of the building, and
2. Adequate heat shall be provided for freeze protection as per the applicable referenced NFPA standard, and
3. The attic space is a part of the building's thermal, or heat, envelope, such that insulation is provided at the roof deck, rather than at the ceiling level.

**903.3.1.4.2 Heat trace/insulation.** Heat trace/insulation shall only be allowed where approved by the fire code official for small sections of large diameter water-filled pipe.

***Section 903.3.5; add a second paragraph to read as follows:***

Water supply as required for such systems shall be provided in conformance with the supply requirements of the respective standards; however, every water-based fire protection system shall be designed with a 10-psi safety factor. Reference Section 507.4 for additional design requirements.

***Section 903.4; add a second paragraph after the exceptions to read as follows:***

Sprinkler and standpipe system water-flow detectors shall be provided for each floor tap to the sprinkler system and shall cause an alarm upon detection of water flow for more than 45 seconds. All control valves in the sprinkler and standpipe systems except for fire department hose connection valves shall be electrically supervised to initiate a supervisory signal at the central station upon tampering.

***Section 903.4.2; add second paragraph to read as follows:***

The alarm device required on the exterior of the building shall be a weatherproof horn/strobe notification appliance with a minimum 75 candela strobe rating, installed as close as practicable to the fire department connection.

***Section 905.2; change to read as follows:***

**905.2 Installation Standard.** Standpipe systems shall be installed in accordance with this section and NFPA 14. Manual dry standpipe systems shall be supervised with a minimum of 10 psig and a maximum of 40 psig air pressure with a high/low alarm.

***Section 905.3; add Section 905.3.9 and exception to read as follows:***

**905.3.9 Buildings Exceeding 10,000 sq. ft.** In buildings exceeding 10,000 square feet in area per story and where any portion of the building's interior area is more than 200 feet (60960 mm) of travel, vertically and horizontally, from the nearest point of fire department vehicle access, Class I automatic wet or manual wet standpipes shall be provided.

**Exceptions:**

1. Automatic dry, semi-automatic dry, and manual dry standpipes are allowed as provided for in NFPA 14 where approved by the fire code official.
2. R-2 occupancies of four stories or less in height having no interior corridors.

***Section 905.4; change items 1, 3, and 5, and add Item 7 to read as follows:***



1. In every required ~~interior~~ exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at an intermediate landing between stories, unless otherwise approved by the fire code official.

**Exception:** {No change.}

2. {No change.}
3. In every exit passageway, at the entrance from the exit passageway to other areas of a building.

**Exception:** Where floor areas adjacent to an exit passageway are reachable from an ~~interior~~ exit stairway hose connection by a {remainder of text unchanged}

4. {No change.}
5. Where the roof has a slope less than 4 units vertical in 12 units horizontal (33.3-percent slope), each standpipe shall be provided with a two-way a hose connection ~~shall be~~ located to serve the roof or at the highest landing of an ~~interior~~ exit stairway with stair access to the roof provided in accordance with Section 1011.12.
6. {No change.}
7. When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter, or as otherwise approved by the fire code official.

***Section 905.8; change to read as follows:***

**905.8 Dry standpipes.** Dry standpipes shall not be installed.

**Exception:** Where subject to freezing and in accordance with NFPA 14. Additionally, manual dry standpipe systems shall be supervised with a minimum of 10 psig and a maximum of 40 psig air pressure with a high/low Supervisory alarm.

***Section 905.9; add a second paragraph after the exceptions to read as follows:***

Sprinkler and standpipe system water-flow detectors shall be provided for each floor tap to the sprinkler system and shall cause an alarm upon detection of water flow for more than 45 seconds. All control valves in the sprinkler and standpipe systems except for fire department hose connection valves shall be electrically supervised to initiate a supervisory signal at the central station upon tampering.

***Section 906.1(1); delete Exception #3 as follows:***

~~3. In storage areas of Group S occupancies where forklift, powered industrial truck or powered cart operators are the primary occupants, fixed extinguishers, as specified in NFPA 10, shall not be required where in accordance with all of the following:~~

- ~~3.1. Use of vehicle-mounted extinguishers shall be approved by the fire code official.~~
- ~~3.2. Each vehicle shall be equipped with a 10-pound, 40A:80B:C extinguisher affixed to the vehicle using a mounting bracket approved by the extinguisher manufacturer or the fire code official for vehicular use.~~
- ~~3.3. Not less than two spare extinguishers of equal or greater rating shall be available on-site to replace a discharged extinguisher.~~

- ~~3.4. Vehicle operators shall be trained in the proper operation, use and inspection of extinguishers.~~  
~~3.5. Inspections of vehicle-mounted extinguishers shall be performed daily.~~

**Section 907.1; add Section 907.1.4 to read as follows:**

**907.1.4 Design Standards.** Where a new fire alarm system is installed, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke detectors shall have analog initiating devices.

**Section 907.2.1; change to read as follows:**

**907.2.1 Group A.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies ~~where the~~ having an occupant load due to the assembly occupancy is of 300 or more persons, or where the Group A occupant load is more than 100 persons above or below the lowest level of exit discharge. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the *International Building Code* shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

**Exception:** {No change.}

Activation of fire alarm notification appliances shall:

1. Cause illumination of the *means of egress* with light of not less than 1 foot-candle (11 lux) at the walking surface level, and
2. Stop any conflicting or confusing sounds and visual distractions.

**Section 907.2.3; change to read as follows:**

**907.2.3 Group E.** A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E educational occupancies. When *automatic sprinkler systems* or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. An approved smoke detection system shall be installed in Group E day care occupancies. Unless separated by a minimum of 100' open space, all buildings, whether portable buildings or the main building, will be considered one building for alarm occupant load consideration and interconnection of alarm systems.

**Exceptions:**

1. {No change.}
- 1.1. Residential In-Home day care with not more than 12 children may use interconnected single station detectors in all habitable rooms. (For care of more than five children 2 1/2 or less years of age, see Section 907.2.6.) {No change to remainder of exceptions.}

**Section 907.2.10; change to read as follows:**

**907.2.10 Group S.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S public- and self-storage occupancies ~~three stories or greater in height~~ for interior corridors and interior common areas. Visible notification appliances are not required within storage units.

Exception: {No change.}

**Section 907.2.13, Exception 3; change to read as follows:**

3. Open air portions of buildings with an occupancy in Group A-5 in accordance with Section 303.1 of the *International Building Code*; however, this exception does not apply to accessory uses including but not limited to sky boxes, restaurants, and similarly enclosed areas.

**Section 907.4.2; add Section 907.4.2.7 to read as follows:**

**907.4.2.7 Type.** Manual alarm initiating devices shall be an approved double action type.

**Section 907.6.1; add Section 907.6.1.1 to read as follows:**

**907.6.1.1 Wiring Installation.** All fire alarm systems shall be installed in such a manner that a failure of any single initiating device or single open in an initiating circuit conductor will not interfere with the normal operation of other such devices. All signaling line circuits (SLC) shall be installed in such a way that a single open will not interfere with the operation of any addressable devices (Class A). Outgoing and return SLC conductors shall be installed in accordance with NFPA 72 requirements for Class A circuits and shall have a minimum of four feet separation horizontal and one foot vertical between supply and return circuit conductors. The initiating device circuit (IDC) from a signaling line circuit interface device may be wired Class B, provided the distance from the interface device to the initiating device is ten feet or less.

**Section 907.6.3; delete all four Exceptions.**

**Section 907.6.6; add sentence at end of paragraph to read as follows:**

See 907.6.3 for the required information transmitted to the supervising station.

**Section 910.2; change Sec. 910.2 and change Exception 2 and 3 to read as follows:**

**910.2 Where required.** Smoke and heat vents or a mechanical smoke removal system shall be installed as required by Sections 910.2.1, 910.2.2, and 910.3.2.

1. [text unchanged]
2. Only manual smoke and heat removal shall ~~not~~ be required in areas of buildings equipped with early suppression fast-response (ESFR) sprinklers. Automatic smoke and heat removal is prohibited.
3. Only manual smoke and heat removal shall ~~not~~ be required in areas of buildings equipped with control mode special application sprinklers with a response time index of  $50(m^*S)^{1/2}$  or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers. Automatic smoke and heat removal is prohibited.

**Section 910.2.3; add to read as follows:**

**910.2.3 Group H.** Buildings and portions thereof used as a Group H occupancy as follows:

1. In occupancies classified as Group H-2 or H-3, any of which are more than 15,000 square feet (1394 m<sup>2</sup>) in single floor area.

**Exception:** Buildings of noncombustible construction containing only noncombustible materials.

2. In areas of buildings in Group H used for storing Class 2, 3, and 4 liquid and solid oxidizers, Class 1 and unclassified detonable organic peroxides, Class 3 and 4 unstable (reactive) materials, or Class 2 or 3 water-reactive materials as required for a high-hazard commodity classification.

**Exception:** Buildings of noncombustible construction containing only noncombustible materials.

**Section 910.4.3.1; change to read as follows:**

**910.4.3.1 Makeup Air.** Makeup air openings shall be provided within 6 feet (1829 mm) of the floor level. Operation of makeup air openings shall be ~~manual or~~ automatic. The minimum gross area of makeup air inlets shall be 8 square feet per 1,000 cubic feet per minute (0.74 m<sup>2</sup> per 0.4719 m<sup>3</sup>/s) of smoke exhaust.

**Section 912.2; add Section 912.2.3 to read as follows:**

**912.2.3 Hydrant Distance.** An approved fire hydrant shall be located within 100 feet of the fire department connection as the fire hose lays along an unobstructed path.

**Section 913.2.1; add Section 913.2.1.1 and exception to read as follows:**

**913.2.1.1 Fire Pump Room Access.** When located on the ground level at an exterior wall, the fire pump room shall be provided with an exterior fire department access door that is not less than 3 ft. in width and 6 ft. – 8 in. in height, regardless of any interior doors that are provided. A key box shall be provided at this door, as required by IFC Section 506.1.

**Exception:** When it is necessary to locate the fire pump room on other levels or not at an exterior wall, the corridor leading to the fire pump room access from the exterior of the building shall be provided with equivalent fire resistance as that required for the pump room, or as approved by the *fire code official*. Access keys shall be provided in the key box as required by IFC Section 506.1.

**Section 1006.2.1 change exception 3 to read as follows;**

Section 1006.2.1 Egress based on occupant load and common path of egress travel distance.

3. Unoccupied rooftop mechanical rooms and penthouses are not required to comply with the common path of egress travel distance measurement.

**Section 1009.8 Two Way Communication; add the following Exception 7:**

[Text Remains]

**Exceptions:**

7. Buildings regulated under State Law and built in accordance with State registered plans, including variances or waivers granted by the State, shall be deemed to be in compliance with the requirements of Section 1009 and Chapter 11.

**Section 1010.2.5 Bolt Locks; amend exceptions 3 and 4 as follows:**

**Exceptions:**

3. Where a pair of doors serves an occupant load of less than 50 persons in a Group B, F, M or S occupancy. (remainder unchanged)

4. Where a pair of doors serves a Group A, B, F, M or S occupancy (remainder unchanged)

**Section 1020.2 Construction; add new exception 6 as follows:**

6. In unsprinklered group B occupancies, corridor walls and ceilings need not be of fire-resistive construction within a single tenant space when the space is equipped with approved automatic smoke-detection within the corridor. The actuation of any detector must activate self-annunciating alarms audible in all areas within the corridor. Smoke detectors must be connected to an approved automatic fire alarm system where such system is provided.

**Section 1030.1.1.1 Spaces under grandstands and bleachers; delete this section.**

**Section 1101.1 Scope; add exception to Section 1101.1 as follows:**

**Exception:** Components of projects regulated by and registered with Architectural Barriers Division of Texas Department of Licensing and Regulation shall be deemed to be in compliance with the requirements of this chapter.

**Section 1206.2 and Section 1206.3; amend to read as follows:**

**1206.2 Airborne sound**

Walls, partitions, and floor-ceiling assemblies separating dwelling units and sleeping units from each other or from public or service areas shall have a sound transmission class of not less than 50 ~~60, or not less than 45 if field tested~~, where tested in accordance with ASTM E 90 or have a Normalized Noise Isolation Class (NNIC) rating of not less than 57 if field tested, in accordance with ASTM E336 for airborne noise. [remainder of text unchanged]

**1206.3 Structure-borne sound**

Floor-ceiling assemblies between dwelling units and sleeping units or between a dwelling unit or sleeping unit and a public or service area within the structure shall have an impact insulation class rating of not less than 50, ~~or not less than 45 if field tested~~, 60 where tested in accordance with ASTM E492, or have a Normalized Impact Sound Rating (NISR) of not less than 57 if field tested in accordance with ASTM E1007. Alternatively, the impact insulation class of floor-ceiling assemblies shall be established by engineering analysis based on a comparison of floor-ceiling assemblies having impact insulation class ratings as determined by the test procedures in ASTM E492.

**Section 1809.5.1 Frost Protection at required exits; delete this section**

**Section 2702.5; added to read as follows:**

**Section 2702.5 Designated Critical Operations Areas (DCOA):** In areas within a facility or site requiring continuous operation for the purpose of public safety, emergency management, national security or business continuity, the power systems shall comply with NFPA 70 Article 708.

**Section 2901.1; add a sentence to read as follows:**

**[P] 2901.1 Scope.** *{existing text to remain}* The provisions of this Chapter are meant to work in coordination with the provisions of Chapter 4 of the International Plumbing Code. Should any conflicts arise between the two chapters, the Building Official shall determine which provision applies.

**Section 2902.1; add a second paragraph to read as follows:**

In other than E Occupancies, the minimum number of fixtures in Table 2902.1 may be lowered, if requested in writing, by the applicant stating reasons for a reduced number and approved by the Building Official.

**Table 2902.1; add footnote g to read as follows:**

g. Drinking fountains are not required in M Occupancies with an occupant load of 100 or less, B Occupancies with an occupant load of 25 or less, and for dining and/or drinking establishments.

**Add Section 2902.1.4 to read as follows:**

**2902.1.4 Additional fixtures for food preparation facilities.** In addition to the fixtures required in this Chapter, all food service facilities shall be provided with additional fixtures set out in this section.

**2902.1.4.1 Hand washing lavatory.** At least one hand washing lavatory shall be provided for use by employees that is accessible from food preparation, food dispensing and ware washing areas. Additional hand washing lavatories may be required based on convenience of use by employees.

**2902.1.4.2 Service sink.** In new or remodeled food service establishments, at least one service sink or one floor sink shall be provided so that it is conveniently located for the cleaning of mops or similar wet floor cleaning tool and for the disposal of mop water and similar liquid waste. The location of the service sink(s) and/or mop sink(s) shall be approved by the **Tarrant County Public Health** department.

**Section 3002.1 Hoistway Enclosure Protection required. Add exceptions as follows:**

**Exceptions:**

1. Elevators completely located within atriums shall not require hoistway enclosure protection.
2. Elevators in open or enclosed parking garages that serve only the parking garage, shall not require hoistway enclosure protection.

**Section 3005.4 Machine rooms, control rooms, machinery spaces and control spaces; Delete exceptions and add two new exceptions to as follows:**

**Exceptions:**

1. Elevator machine rooms, control rooms, machinery spaces and control spaces completely located within atriums shall not require enclosure protection.
2. Elevator machine rooms, control rooms, machinery spaces and control spaces in open or enclosed parking garages that serve only the parking garage, shall not require enclosure protection.

**Section 3005.5: Add a new subsection to Section 3005.5.1 as follows:**

**3005.5.1 Fire Protection in Machine rooms, control rooms, machinery spaces and control spaces.**

**3005.5.1.1 Automatic sprinkler system.** The building shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, except as otherwise permitted by Section 903.3.1.1.1 and as prohibited by Section 3005.5.1.1.1.

**3005.5.1.1.1 Prohibited locations.** Automatic sprinklers shall not be installed in machine rooms, elevator machinery spaces, control rooms, control spaces and elevator hoistways.

**3005.5.1.1.2 Sprinkler system monitoring.** The sprinkler system shall have a sprinkler control

valve supervisory switch and water-flow initiating device provided for each floor that is monitored by the building's fire alarm system.

**3005.5.1.2 Water protection.** An approved method to prevent water from infiltrating into the hoistway enclosure from the operation of the automatic sprinkler system outside the elevator lobby shall be provided.

**3005.5.1.3 Omission of Shunt trip.** Means for elevator shutdown in accordance with Section 3005.5 shall not be installed.

**Section 3005.7; add new Section 3005.7 as follows:**

**3005.7 Storage.** Storage shall not be allowed within the elevator machine room, control room, machinery spaces and or control spaces. Provide approved signage at each entry to the above listed locations stating: "No Storage Allowed."

**Section 3006.2, Hoistway opening protection required; Revise text as follows:**

5. The building is a high rise and the elevator hoistway is more than ~~75 feet (22 860 mm)~~ 55 feet (16 764 mm) in height. The height of the hoistway shall be measured from the lowest floor at or above grade to the highest floors served by the hoistway."

**Section 3007.3 and Section 3008.3: Revise text by deleting "enclosed" as follows:**

**3007.3 Water Protection.** Water from the operation of an automatic sprinkler system outside the ~~enclosed~~ lobby shall be prevent from infiltrating into the hoistway enclosure in accordance with an approved method.

**3008.3 Water Protection.** Water from the operation of an automatic sprinkler system outside the ~~enclosed~~ lobby shall be prevent from infiltrating into the hoistway enclosure in accordance with an approved method.

**End**



**EXHIBIT ‘B’**

**AMENDMENTS TO 2021 INTERNATIONAL RESIDENTIAL CODE**

## Exhibit 'B'

### Amendments to the 2021 International Residential Code

The following sections, paragraphs, and sentences of the *2021 International Residential Code* are hereby amended as follows: Standard type is text from the IRC. Underlined type is text inserted. ~~Lined through type is deleted text from IRC.~~

In 2009, **the State Legislature enacted SB 1410 prohibiting cities from enacting fire sprinkler mandates in residential dwellings.** However, jurisdictions with ordinances that required sprinklers for residential dwellings prior to and enforced before January 1, 2009, may remain in place. Reference; Section R313 Automatic Fire Sprinkler Systems.

The energy provisions in IRC Chapter 11 is deleted in its entirety.

**Reference the 2021 IECC for energy code provisions and recommended amendments.**

***Section R102.4; change to read as follows:***

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

***Section R103 and R103.1 amend to insert the Department Name***

**DEPARTMENT OF BUILDING SAFETY [INSERT OFFICIAL BUILDING DEPARTMENT NAME OF JURISDICTION]**

**R103.1 ~~Creation of Enforcement agency.~~** The ~~Department of Building Safety~~ Community Development Department is the department responsible for enforcement of this code, hereby created and the official in charge thereof of enforcing this code shall be known as the *building official*.

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

***Section R105.3.1.1 Determination of substantially improved or substantially damaged existing buildings in flood hazard areas & R106.1.4 Information for construction in flood hazard areas; delete these sections.***

***Section R110 (R110.1 and R110.3)***

**R110.1 Use and change of occupancy.**

A building or structure shall not be used or occupied in whole or in part, ~~and a change of occupancy of a building or structure or portion thereof shall not be made,~~ until the building official has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of this code or other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

**Exceptions:**

1. Certificates of occupancy are not required for work exempt from permits Section 105.2
2. Accessory buildings or structures.

**R110.3 Certificate issued.**

After the building official inspects the building or structure and does not find violations of the provisions of this code or other laws that are enforced by the department, the building official shall issue a certificate of occupancy. [delete remainder of this section].

[remainder of Section R110 to remain unchanged]

**Section R202; change definition of "Townhouse Unit" to read as follows:**

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

**Table R301.2; fill in as follows:**

GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY <sup>f</sup>  A	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP <sup>e</sup>	ICE BARRIER UNDER- LAYMENT <sup>h</sup>	FLOOD HAZARDS <sup>g</sup>	AIR FREEZING INDEX <sup>i</sup>	MEAN ANNUAL TEMP <sup>j</sup>
	SPEED <sup>d</sup> (MPH)	Topographic Effects <sup>k</sup>	Wind Special Region <sup>L</sup>	Windborne Debris Zone <sup>m</sup>		Weathering <sup>a</sup>	Frost Line Depth <sup>b</sup>	Termites <sup>c</sup>					
5 lb/ft	115 (3 sec-gust)/ 76 fastest mile	No	No	No		Moderate	6"	Very Heavy	22° F	No	Local Code	150	64.9° F

**Delete remainder of table Manual J Design Criteria and footnote N**

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

**Exceptions:** {previous exceptions unchanged}

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

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

**Exceptions:**

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

**Section R302.2.6; delete exception #6:**

**Exceptions:** {previous exceptions unchanged}

6. ~~Townhouse units protected by a fire sprinkler system complying with Section P2904 or NFPA 13D.~~

***Section R302.5.1; change to read as follows:***

**R302.5.1 Opening protection.** Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 inches (35 mm) thick, or 20-minute fire-rated doors, ~~equipped with a self-closing or automatic closing device.~~

***Section R303.3, Exception; amend to read as follows:***

**Exception:** {existing text unchanged} Spaces containing only a water closet or water closet and a lavatory may be ventilated with an approved mechanical recirculating fan or similar device designed to remove odors from the air.

**Sec 307.3; add text to read as follows**

**R307.3 Blocking.** Required at one toilet at grade level. Blocking per Sec. R307.4 and Figure 307.4, shall be installed at rear wall and one wall adjacent to toilet at the lowest living level where a toilet is provided.

**Sec 307.4, Figure 307.4; add to read as follows**

**R307.4 Blocking.** Blocking may be 1/2" plywood or equivalent or 2 x solid wood blocking flush with wall.

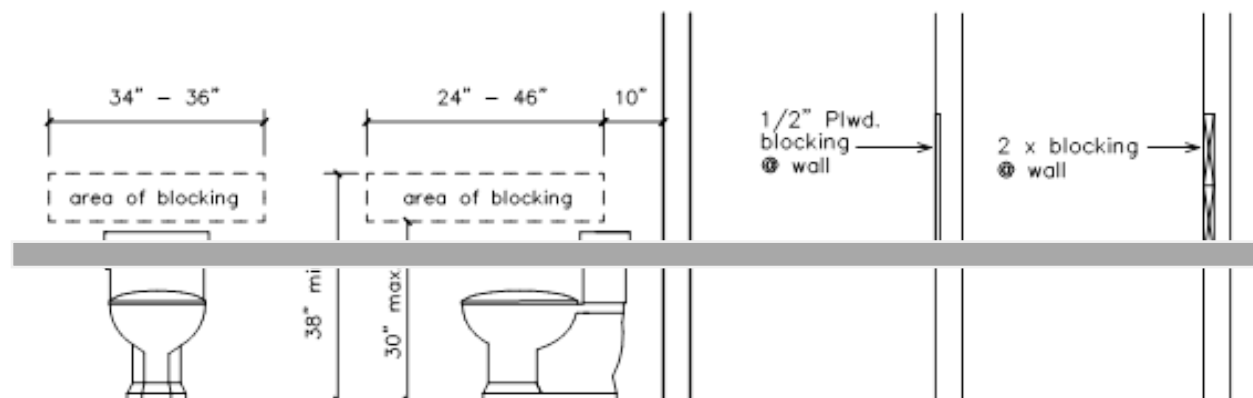


Figure 307.4

Figure 307.4

**Section R313.2 One and Two Family Dwellings; Delete this section and subsection in their entirety.**

**Section R315.2.2 Alterations, repairs and additions; amend to read as follows:**

**Exception:**

1. [existing text remains]
2. Installation, alteration or repairs of all electrically powered mechanical systems or plumbing appliances.

**Section 327.1.1; add to read as follows:**

**Section 327.1.1 Adjacency to Structural Foundation.** Depth of the swimming pool and spa shall maintain a ratio of 1:1 from the nearest building foundation or footing of a retaining wall.

**Exception:**

A sealed engineered design drawing of the proposed new structure shall be submitted for approval.

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

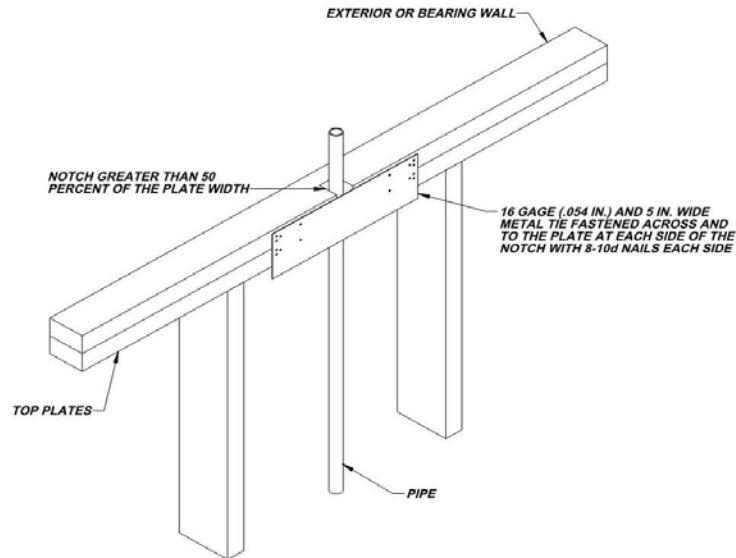
**Section R401.2. Requirements.** *{existing text unchanged}* ...

Every foundation and/or footing over 400 square feet, or any size addition to an existing post-tension foundation, regulated by this code shall be designed and sealed by a Texas-registered engineer.

**Section R602.6.1; amend the following:**

**R602.6.1 Drilling and notching of top plate.** When piping or ductwork is placed in or partly in an exterior wall or interior load-bearing wall, necessitating cutting, drilling or notching of the top plate by more than 50 percent of its width, a galvanized metal tie not less than 0.054 inch thick (1.37 mm) (16 Ga) and ~~4 ½ inches (38) mm~~ 5 inches (127 mm) wide shall be fastened across and to the plate at each side of the opening with not less than eight 10d (0.148 inch diameter) having a minimum length of 1 ½ inches (38 mm) at each side or equivalent. Fasteners will be offset to prevent splitting of the top plate material. The metal tie must extend a minimum of 6 inches past the opening. See figure R602.6.1. *{remainder unchanged}*

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



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

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

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

**Section R902.1; amend and add exception #5 to read as follows:**

**R902.1 Roofing covering materials.** Roofs shall be covered with materials as set forth in Sections R904 and R905. Class A, B, or C roofing shall be installed. ~~in designated by law as requiring their use or when the edge of the roof is less than 3 feet from a lot line.~~ {remainder unchanged}

**Exceptions:**

1. {text unchanged}
2. {text unchanged}
3. {text unchanged}
4. {text unchanged}
5. Non-classified roof coverings shall be permitted on one-story detached accessory structures used as tool and storage sheds, playhouses, and similar uses, provided the floor area does not exceed 200 square feet.

**Chapter 11 [RE] – Energy Efficiency is deleted in its entirety; Reference the 2021 IECC for energy code provisions and recommended amendments.**

**Section M1305.1.2; change to read as follows:**

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

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

Exceptions: [remaining text unchanged]

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**Section M1411.3; change to read as follows:**

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

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

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

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

---

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

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

---

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

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

**Exception:** Makeup air is not required for exhaust systems installed for the exclusive purpose of space cooling and intended to be operated only when windows or other air inlets are open. Where all appliances in the house are of sealed combustion, power-vent, unvented, or electric, the exhaust hood system shall be permitted to exhaust up to 600 cubic feet per minute (0.28 m<sup>3</sup>/s) without providing makeup air. Exhaust hood systems capable of exhausting in excess of 600 cubic feet per minute (0.28

m3/s) shall be provided with a makeup air at a rate approximately to the difference between the exhaust air rate and 600 cubic feet per minute.

**Section M2005.2; change to read as follows:**

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

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

(Reason: This provision does not reflect standard practice in this area.)

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

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

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

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

**G2415.12 (404.12) Minimum burial depth.** Underground *piping systems* shall be installed a minimum depth of ~~42 inches (305 mm)~~ 18 inches (457 mm) below grade, ~~except as provided for in Section G2415.12.1.~~

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

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

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

**Section G2417.4; change to read as follows:**



**G2417.4 (406.4) Test pressure measurement.** Test pressure shall be measured with a monometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. ~~Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure.~~

**Section G2417.4.1; change to read as follows:**

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

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

**Section G2417.4.2; change to read as follows:**

**G2417.4.2 (406.4.2) Test duration.** The test duration shall be held for a length of time satisfactory to the *Building Official*, but in no case for ~~be not~~ less than ~~40~~ fifteen (15) minutes. For welded *piping*, and for *piping* carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa), the test duration shall be held for a length of time satisfactory to the *Building Official*, but in no case for less than thirty (30) minutes.

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

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

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

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

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

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

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

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

**Section G2445.2 (621.2); add Exception to read as follows:**

**G2445.2 (621.2) Prohibited use.** One or more *unvented room heaters* shall not be used as the sole source of comfort heating in a *dwelling unit*.

**Exception:** Existing approved unvented room heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when approved by the Building Official unless an unsafe condition is determined to exist as described in International Fuel Gas Code Section 115.6 'Unsafe Installations' of the Fuel Gas Code.

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

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

**Section P2603; add to read as follows:**

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

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

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

**Section P2604; add to read as follows:**

**P2604.2.1 Plastic sewer and DWV piping installation.** Plastic sewer and DWV piping installed underground shall be installed in accordance with the manufacturer's installation instructions. Trench width shall be controlled to not exceed the outside the pipe diameter plus 16 inches or in a trench which has a controlled width equal to the nominal diameter of the piping multiplied by 1.25 plus 12 inches. The piping shall be bedded in 4 inches of granular fill and then backfilled compacting the side fill in 6-inch layers on each side of the piping. The compaction shall be to minimum of 85 percent standard proctor density and extend to a minimum of 6 inches above the top of the pipe.

**Section P2801; change to read as follows:**

**P2801.6 Required pan.**

Where a storage tank-type water heater or a hot water storage tank is installed in a location where water leakage from the tank will cause damage, the tank shall be installed in a pan constructed of one of the following:

1. Galvanized steel or aluminum of not less than 0.0236 inch (0.6010 mm) in thickness.
2. Plastic not less than 0.036 inch (0.9 mm) in thickness.
3. Other *approved* materials.

~~A plastic pan beneath a gas-fired water heater shall be constructed of material having a flame spread index of 25 or less and a smoke-developed index of 450 or less when tested in accordance with ASTM E84 or UL 723.~~

**Section P2801.6.1; change to read as follows:**

**Section P2801.6.1 Pan size and drain.** The pan shall be not less than 11/2 inches (38 mm) in depth and shall be of sufficient size and shape to receive all dripping or condensate from the tank or water heater. The pan shall be drained by an indirect waste pipe having a diameter of not less than 3/4 inch (19 mm). Piping for safety pan drains shall be of those materials listed in Table P2906.5. Multiple pan drains may terminate to a single discharge piping system when *approved* by the administrative authority and permitted by the manufactures installation instructions and installed with those instructions. {existing text unchanged}

**Section P2804.6.1; change to read as follows:**

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

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

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

5. Discharge ~~to the floor, to the pan serving the water heater or storage tank, to a waste receptor~~ an approved location or to the outdoors.

[remainder unchanged]

**Section P2902.5.3; change to read as follows:**

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

**Section P2903.9.1; change to read as follows:**

**P2903.9.1 Service valve.** Each dwelling unit shall be provided with an accessible main shutoff valve near the entrance of the water service. The valve shall be of a full-open type having nominal restriction to flow, with provision for drainage such as a bleed orifice or installation of a separate drain valve. Additionally, the water service shall be valved at the curb or lot line in accordance with local requirements. An additional shut off valve shall be installed at the lot line for new or replacement installations.

**Section P3003.9; change to read as follows:**

**P3003.9.2 Solvent cementing.** Joint surfaces shall be clean and free from moisture. A purple primer that conforms to ASTM F 656 shall be applied. Solvent cement not purple in color and conforming to ASTM D 2564, CSA B137.3, CSA B181.2 or CSA B182.1 shall be applied to all joint surfaces. The joint shall be made while the cement is wet and shall be in accordance with ASTM D 2855. Solvent cement joints shall be permitted above or below ground.

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

- ~~1. The solvent cement used is third party certified as conforming to ASTM D 2564~~
- ~~2. The solvent cement is used only for joining PVC drain, waste, and vent pipe and fittings in not pressure applications in sizes up to and including 4 inches (102mm) in diameter.~~

**Section P3005.2.2; add Section P3005.2.2(1) to read as follows:**

**P3005.2.2. Building sewers.** [text unchanged]

**P3005.2.2(1).** Building sewers shall have a cleanout installed at the lot line for new or replacement

installations.

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

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

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

***END***

**EXHIBIT ‘C’**

**AMENDMENTS TO APPENDIX AK OF 2021  
INTERNATIONAL RESIDENTIAL CODE**

## Exhibit ‘C’

The following sections, paragraphs, and sentences of Appendix AK of the 2021 *International Residential Code* are hereby amended as follows: Standard type is text from the IRC Appendix K. Underlined type is text inserted. Lined through type is deleted text from IRC Appendix K.

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### Section AK101 Airborne Sound

#### AK102.1 General

Airborne sound insulation for wall and floor-ceiling assemblies shall meet a sound transmission class (STC) rating of 45 (townhouses and two-family dwellings shall meet an STC rating of 58) where tested in accordance with ASTM E90 or a Normalized Noise Isolation Class (NNIC) rating of 42 (or 57 for attached dwelling units) where tested in accordance with ASTM E336. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. Dwelling unit entrance doors, which share a common space, shall be tight fitting to the frame and sill.

[...]

### Section AK103 Structural-Borne Sound

#### AK103.1 General

Floor/ceiling assemblies between dwelling units, or between a dwelling unit and a public or service area within a structure, shall have an impact insulation class (IIC) rating of not less than 45 (60 for townhouses and two-family dwellings) when tested in accordance with ASTM E492 or a Normalized Impact Sound Rating (NISR) of 42 (57 for attached dwelling units) where tested in accordance with ASTM E1007.

[...]

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**EXHIBIT 'D'**

**AMENDMENTS TO 2021 INTERNATIONAL ENERGY CONSERVATION CODE**



**Exhibit 'D'**  
**Amendments to the 2021 International Energy Conservation Code**  
**And the energy provisions of the 2021 International Residential Code**

The following sections, paragraphs, and sentences of the *2021 International Energy Conservation Code* (IECC) are hereby amended as follows: Standard type is text from the IECC. Underlined type is text inserted. ~~Lined through type is deleted text from IECC.~~ Section numbers in parenthesis represent the corresponding numbers of the energy provisions of the 2021 *International Residential Code* for parallel amendments.

**2021 IECC (Energy Provisions of the 2021 IRC)**

***Section 105.2 Required Inspections; Changed numbering and to read as follows:***

***R105.2.1 Footing and foundation inspection.***

Inspections associated with footings and foundations shall verify compliance with the code as to R-value, location, thickness, depth of burial and protection of insulation as required by the code and approved plans and specifications.

***R105.2.2 Framing and Air Barrier rough-in inspection.***

Inspections at framing and rough-in shall be made before application of ~~interior finish insulation~~ and shall verify compliance with the code as to: ~~types of insulation and corresponding R-values and their correct location and proper installation; fenestration properties such as U-factor and SHGC and proper installation;~~ air leakage controls as required by the code; and approved plans and specifications.

***R105.2.3 Insulation and Fenestration rough-in inspection.***

Inspections at framing and rough-in shall be made before application of interior finish and shall verify compliance with the code as to: types of insulation and corresponding R-values and their correct location and proper installation; fenestration properties such as U-factor and SHGC and proper installation.

***R105.2.4 ~~R105.2.3~~ Plumbing rough-in inspection.***

Inspections at plumbing rough-in shall verify compliance as required by the code and approved plans and specifications as to types of insulation and corresponding R-values and protection and required controls.

***R105.2.5 ~~R105.2.4~~ Mechanical rough-in inspection.***

Inspections at mechanical rough-in shall verify compliance as required by the code and approved plans and specifications as to installed HVAC equipment type and size, required controls, system insulation and corresponding R-value, system air leakage control, programmable thermostats, dampers, whole-house ventilation, and minimum fan efficiency.

**Exception:** Systems serving multiple dwelling units shall be inspected in accordance with Section C105.2.4.

***R105.2.6 ~~R105.2.5~~ Final inspection.***

The building shall have a final inspection and shall not be occupied until approved. The final inspection shall include verification of the installation of all required building systems, equipment and controls and their proper operation and the required number of high-efficacy lamps and fixtures.

**Section C102/R102 General; add Section C102.1.2 and R102.1.2 (N1101.4.1) to read as follows:**

**C102.1.2 Alternative compliance.** A building certified by a national, state, or local accredited energy efficiency program and determined by the Energy Systems Laboratory to be in compliance with the energy efficiency requirements of this section may, at the option of the Code Official, be considered in compliance. The United States Environmental Protection Agency's Energy Star Program certification of energy code equivalency shall be considered in compliance.

**R102.1.2 (N1101.4.1) Alternative compliance.** A building certified by a national, state, or local accredited energy efficiency program and determined by the Energy Systems Laboratory to be in compliance with the energy efficiency requirements of this section may, at the option of the Code Official, be considered in compliance. The United States Environmental Protection Agency's Energy Star Program certification of energy code equivalency shall be considered in compliance. Regardless of the program or the path to compliance, each 1- and 2-family dwelling shall be tested for air and duct leakage as prescribed in Section R402.4.1.2 (N1102.4.1.2) and R403.3.3 (N1103.3.3) respectively.

**Section R202 (N1101.6) Definitions; add the following definition:**

**\*\*PROJECTION FACTOR.** The ratio of the horizontal depth of the overhang, eave or permanently attached shading device, divided by the distance measured vertically from the bottom of the fenestration glazing to the underside of the overhang, eave or permanently attached shading device.

**Section R202 (N1101.6) Definitions; add the following definition:**

**\*\*DYNAMIC GLAZING.** Any fenestration product that has the fully reversible ability to change its performance properties, including *U*-factor, solar heat gain coefficient (SHGC), or visible transmittance (VT).

**Table 402.1.2 Maximum Assembly/Climate Zone items: amend table as follows.**

Climate Zone	Fenestration U-Factor <sup>f</sup>	Ceiling U-Factor
2	.40	<del>0.26</del> 0.29
3	<del>0.30</del> 0.32	<del>0.26</del> 0.29

**Table 402.1.3 Insulation/Climate Zone items: amend table as follows.**

Climate Zone	Fenestration U-Factor <sup>b,i</sup>	Ceiling R-Value	Wood Frame Wall R-Value	Slab R-Value & Depth
2	.40	49-42	13 or 0 + 10	0
3	<del>0.30</del> 0.32	49-42	19 or 13+53ci, 0+15	<del>10ci, 2-ft 0</del>

**Section C402.5.2 Dwelling and sleeping unit enclosure testing. Added the underlined to read**

**as follows**

C402.5.2 Dwelling and sleeping unit enclosure testing. The building thermal envelope shall be tested in accordance with ASTM E779, ANSI/RESNET/ICC 380, ASTM E1827 or an equivalent method approved by the code official. The measured air leakage shall not exceed 0.30 cfm/ft<sup>2</sup> (1.5 Us m<sup>2</sup>) of the testing unit enclosure area at a pressure differential of 0.2 inch water gauge (50 Pa). Where multiple dwelling units or sleeping units or other occupiable conditioned spaces are contained within one building thermal envelope, each unit shall be considered an individual testing unit, and the building air leakage shall be the weighted average of all testing unit results, weighted by each testing unit's enclosure area. Units shall be tested separately with an unguarded blower door test as follows:

1. Where buildings have fewer than eight testing units, each testing unit shall be tested.
2. For buildings with eight or more testing units, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a ground floor unit, a middle floor unit, and a unit with the largest testing unit enclosure area. For each tested unit that exceeds the maximum air leakage rate, an additional two ~~three~~ units shall be tested, including a mixture of testing unit types and locations.

***Section R402.4.1 Building thermal envelope; add section R402.4.1.4 to read as follows***

R402.4.1.4 Sampling options for R2 multifamily dwelling units. For buildings with eight or more testing units that must be tested as required by R402.4.1.2 or R402.4.1.3, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a ground floor unit, a middle floor unit, and a unit with the largest testing unit enclosure area. For each tested unit that exceeds the maximum air leakage rate, an additional three units shall be tested, including a mixture of testing unit types and locations. Where buildings have fewer than eight testing units, each testing unit shall be tested.

***Section R403.3 Ducts; add section R403.3.8 to read as follows***

R403.3.8 Sampling options for R2 multifamily dwelling units. For buildings with eight or more testing units that must be tested as required by R403.3.5, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a ground floor unit, a middle floor unit, and a unit with the largest testing unit floor area. For each tested unit that exceeds the maximum duct leakage rate, an additional three units shall be tested, including a mixture of testing unit types and locations. Where buildings have fewer than eight testing units, each testing unit shall be tested.

***Section R403.6 Mechanical Ventilation; add section R403.6.4 to read as follows***

R403.6.4 Sampling options for R2 multifamily dwelling units. For buildings with eight or more testing units that must be tested as required by R403.6.3, the greater of seven units or 20 percent of the testing units in the building shall be tested, including a top floor unit, a ground floor unit, a middle floor unit, and a unit with the largest testing unit floor area. For each tested unit that does not meet the minimum ventilation rate, an additional three units shall be tested, including a mixture of testing unit types and locations. Where buildings have fewer than eight testing units, each testing unit shall be tested.

***R405.2 Performance-based compliance. Added to underlined to read as follows.***

R405.2 Performance-based compliance. Compliance based on total building performance requires

that a *proposed design* meets all of the following:

1. The requirements of the sections indicated within Table N1105.2 (R405.2).
2. The building thermal envelope greater than or equal to levels of efficiency and solar heat gain coefficients in Table R402.1.1 or R402.1.3 of the 2009 *International Energy Conservation Code*.
3. An annual energy cost that is less than or equal to the annual energy cost of the 2021 standard reference design or 8% less than the annual energy cost of the 2018 standard reference design. Energy prices shall be taken from a source *approved* by the code official, such as the Department of Energy, Energy Information Administration's State Energy Data System Prices and Expenditures reports. Code officials shall be permitted to require time-of-use pricing in energy cost calculations.

Exception: The energy use based on source energy expressed in Btu or Btu per square foot of *conditioned floor area* shall be permitted to be substituted for the energy cost. The source energy multiplier for electricity shall be 3.16. The source energy multiplier for fuels other than electricity shall be 1.1.

**Section R401.2.5 Additional Energy efficiency; *deleted in its entirety*.**

**Section R408 ADDITIONAL EFFICIENCY PACKAGE OPTIONS; *deleted in its entirety*.**

**Section R402.4.6 Electrical and Communication outlet boxes. Delete after the first sentence to read as follows.**

~~\*\*\*R402.4.6 Electrical and communication outlet boxes (air-sealed boxes). Electrical and communication outlet boxes installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. Electrical and communication outlet boxes shall be tested in accordance with NEMA OS 4, Requirements for Air-Sealed Boxes for Electrical and Communication Applications, and shall have an air leakage rate of not greater than 2.0 cubic feet per minute (0.944 L/s) at a pressure differential of 1.57 psf (75 Pa). Electrical and communication outlet boxes shall be marked "NEMA OS 4" or "OS 4" in accordance with NEMA OS 4. Electrical and communication outlet boxes shall be installed per the manufacturer's instructions and with any supplied components required to achieve compliance with NEMA OS 4.~~

**Section R404.2 Interior Lighting Controls; *deleted in its entirety*.**

**TABLE R406.5 (N1106.4) MAXIMUM ENERGY RATING INDEX; amend to read as follows:**

**TABLE R406.5 (N1106.5)<sup>1</sup>  
MAXIMUM ENERGY RATING INDEX**

CLIMATE ZONE	ENERGY RATING INDEX
2	52-63
3	52-63

<sup>1</sup> This table is effective until August 31, 2022.

**TABLE R406.5 (N1106.5)<sup>2</sup>**  
**MAXIMUM ENERGY RATING INDEX**

CLIMATE ZONE	ENERGY RATING INDEX
2	<del>52</del> 59
3	<del>52</del> 59

<sup>2</sup> The table is effective from September 1, 2022 to August 31, 2025.

**TABLE R406.5 (N1106.5)<sup>3</sup>**  
**MAXIMUM ENERGY RATING INDEX**

CLIMATE ZONE	ENERGY RATING INDEX
2	<del>52</del> 57
3	<del>52-57</del>

<sup>3</sup> The table is effective from September 1, 2025 to August 31, 2028.

**TABLE R406.5 (N1106.5)<sup>3</sup>**  
**MAXIMUM ENERGY RATING INDEX**

CLIMATE ZONE	ENERGY RATING INDEX
2	<del>52</del> 55
3	<del>52-55</del>

<sup>4</sup> This table is effective on or after September 1, 2028.

**NOTE : HB 3215 was signed into law by the Governor on June 14, 2021 as part of the 87<sup>th</sup> Regular Session Codified in Chapter 388 Texas Building Energy Performance Standards: §388.003 (i), (j), and (k). HB 3215 now allows a **Home Energy Rating System Index (ex. HERS Index)** utilizing ANSI/RESNET/ICC Standard 301 (as it existed on January 1, 2021) shall be considered in compliance with State law provided that:**

- o *The home includes compliance with the Mandatory requirements of 2018 IECC Section R406.2.*
- o *The home includes compliance with Building thermal envelope provisions of Table R402.1.2 or Table R402.1.4 of the 2018 IECC*

**END**

**EXHIBIT 'E'**

**AMENDMENTS TO 2020 INTERNATIONAL ELECTRICAL CODE**

## Exhibit 'E'

### Amendments to the 2020 National Electrical Code

The following articles, paragraphs, and sentences of the *2020 National Electrical Code (NEC)* are hereby amended as follows: Standard type is text from the NEC. Underlined type is text inserted. ~~Lined through type is deleted text from NEC.~~

#### **Article 100; add the following to definitions:**

Engineering Supervision. Supervision by a Qualified State of Texas Licensed Professional Engineer engaged primarily in the design or maintenance of electrical installations.

#### **Article 110.2; change the following to read as follows:**

**110.2 Approval.** The conductors and equipment required or permitted by this Code shall be acceptable only if approved. Approval of equipment may be evident by listing and labeling of equipment by a Nationally Recognized Testing Lab (NRTL) with a certification mark of that laboratory or a qualified third party inspection agency or a field evaluation by a Field Evaluation Body accredited by either the International Code Council International Accreditation Service AC354 or ANSI National Accreditation Board programs and approved by the AHJ.

*Exception: Unlisted equipment that is relocated to another location within a jurisdiction or is field modified is subject to the approval by the AHJ. This approval may be by a field evaluation by a NRTL or qualified third-party inspection agency or a field evaluation by a Field Evaluation Body accredited by either the ICC IAS AC354 or ANAB programs and approved by the AHJ*

~~Manufacturer's self-certification of any equipment shall not be used as a basis for approval by the AHJ.~~

Informational Note No. 1: See 90.7, Examination of Equipment for Safety, and 110.3, Examination, Identification, Installation, and Use of Equipment. See definitions of *Approved*, *Identified*, *Labeled*, and *Listed*.

Informational Note No. 2: Manufacturer's self-certification of equipment may not necessarily comply with U.S. product safety standards as certified by an NRTL.

Informational Note No. 3: National Fire Protection Association (NFPA) 790 and 791 provide an example of an approved method for qualifying a third-party inspection agency.

#### **Article 408.4 Field Identification Required: Change the following to read as follows**

##### **408.4 Field Identification Required.**

(A) Circuit Directory or Circuit Identification.

Every circuit and circuit modification shall be legibly identified as to its clear, evident, and specific purpose or use. The identification shall include an approved degree of detail that allows each circuit to be distinguished from all others. Spare positions that contain unused overcurrent devices or switches shall be described accordingly. The identification shall be included in a circuit directory that is located on the face, inside of, or in an approved location adjacent and permanently affixed to the panel door in the case of a

panelboard and at each switch or circuit breaker in a switchboard or switchgear. No circuit shall be described in a manner that depends on transient conditions of occupancy.

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**Article 410.118: Change the following to read as follows**

**410.118 Access to other boxes.**

Luminaires recessed in the ceilings, floors, or walls shall not be used to access outlet, pull, or junction boxes or conduit bodies, unless the box or conduit body is an integral part of the listed luminaire.

Exception: removable luminaires with a minimum measurement of 22 in. X 22 in. shall be permitted to be used as access to outlet, pull, junction boxes or conduit bodies.

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**Article 422.31 B: Change the following to read as follows**

**422.31 B Appliances Rated over 300 Volt-Amperes**

(B) Appliances Rated over 300 Volt-Amperes. For permanently connected appliances rated over 300 volt-amperes, the branch-circuit switch or circuit breaker shall be permitted to serve as the disconnecting means where the switch or circuit breaker is within sight from and is readily accessible to the appliance it serves or is capable of being locked in the open position in accordance with 110.25.

Informational Note No. 1: For appliances employing unit switches, see 422.34.

Informational Note No 2: The following means of access are considered to constitute readily accessible for this code change when conforming to the additional access requirements of the I Codes:

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

---

**Article 500.8 (A) (3); change to read as follows:**

**(A) Suitability.** Suitability of identified equipment shall be determined by one of the following:

- (1) Equipment listing or labeling;
- (2) Evidence of equipment evaluation from a qualified testing laboratory or inspection agency concerned with product evaluation; or,
- (3) Evidence acceptable to the authority having jurisdiction such as a manufacturer's self-evaluation or an owner's engineering judgment, an engineering judgment signed and sealed by a qualified Registered licensed Professional Engineer in the State of Texas.

Informational Note: Additional documentation for equipment may include certificates demonstrating compliance with applicable equipment standards, indicating special conditions of use, and other pertinent information.

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**Article 505.7 (A) changed to read as follows:**

**505.7 Special Precaution.**



Article 505 requires equipment construction and installation that ensures safe performance under conditions of proper use and maintenance.

Informational Note No. 1: It is important that inspection authorities and users exercise more than ordinary care with regard to the installation and maintenance of electrical equipment in hazardous (classified) locations.

Informational Note No. 2: Low ambient conditions require special consideration. Electrical equipment depending on the protection techniques described by 505.8(A) may not be suitable for use at temperatures lower than -20°C (-4°F) unless they are identified for use at lower temperatures. However, at low ambient temperatures, flammable concentrations of vapors may not exist in a location classified Class I, Zones 0, 1, or 2 at normal ambient temperature.

**(A) Implementation of Zone Classification System.** Classification of areas, engineering and design, selection of equipment and wiring methods, installation, and inspection shall be performed by a qualified persons Registered licensed Professional Engineer in the State of Texas.

**Article 695.6 A 1: Change the following to read as follows**

**695.6 (A) Supply Conductors.**

**(1) Services and On-Site Power Production Facilities**

Service conductors and conductors supplied by on-site power production facilities shall be physically routed outside a building(s) and shall be installed as service-entrance conductors in accordance with 230.6, 230.9, and Parts III and IV of Article 230. Where supply conductors cannot be physically routed outside of buildings, the conductors shall be permitted to be routed through the building(s) where installed in accordance with

230.6(1) or (2).

~~Exception: The supply conductors within the fire pump room shall not be required to meet 230.6 (1) or (2)~~

**Article 71.15 A: Change the following to read as follows**

**710.15 General**

[...]

**710.15(A) Supply Output.**

Power supply to premises wiring systems fed by stand-alone or isolated microgrid power sources shall be permitted to have less capacity than the calculated load. ~~The capacity of the sum of all sources of the stand-alone supply shall be equal to or greater than the load posed by the largest single utilization equipment connected to the system. Calculated general lighting loads shall not be considered as a single load~~ have adequate capacity to meet the calculated load in accordance with Article 220.

~~Informational Note: For general use loads the system capacity can be calculated using the sum of the capacity of the firm sources, such as generators and ESS inverters. For specialty loads intended to be powered directly from a variable source, the capacity can be calculated using the sum of the variable sources, such as PV or wind inverters, or the combined capacity of both firm and variable sources.~~

**END**

**EXHIBIT 'F'**

**AMENDMENTS TO 2021 INTERNATIONAL MECHANICAL CODE**

## Exhibit 'F'

### Amendments to the 2021 International Mechanical Code

The following sections, paragraphs, and sentences of the *2021 International Mechanical Code* (IMC) are hereby amended as follows: Standard type is text from the IMC. Underlined type is text inserted. ~~Lined through type is deleted text from the IMC.~~

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#### ***Section 102.8; change to read as follows:***

**102.8 Referenced Codes and Standards.** The codes and standards referenced herein shall be those that are listed in Chapter 15 and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments. Any reference to NFPA 70 shall mean the National Electrical Code as adopted.

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#### ***Section 103 and 103.1; change to add name of department responsible for enforcement:***

#### **SECTION 103 CODE COMPLIANCE AGENCY COMMUNITY DEVELOPMENT DEPARTMENT**

**103.1 Community Development Department.** The Community Development Department is the agency responsible for the implementation, administration and enforcement of the provisions of this code, and the official responsible for implementation, administration and enforcement of this code shall be known as the code official.

~~The [INSERT NAME OF DEPARTMENT] is hereby created 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.~~

---

#### ***Section 306.5; change to read as follows:***

**306.5 Equipment and Appliances on Roofs or Elevated Structures.** Where *equipment* requiring access or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet (4877 mm) above grade to access, an interior or exterior means of access shall be provided. Exterior ladders providing roof access need not extend closer than 12 feet (2438 mm) to the finish grade or floor level below and shall extend to the *equipment* and appliances' level service space. Such access shall . . . {bulk of section to read the same} . . . on roofs having a slope greater than four units vertical in 12 units horizontal (33-percent slope). ... {remainder of text unchanged}.

---

#### ***Section 306.5.1; change to read as follows:***

**306.5.1 Sloped Roofs.** Where appliances, *equipment*, fans or other components that require service are installed on a roof having a slope of three units vertical in 12 units horizontal (25-percent slope) or greater and having an edge more than 30 inches (762 mm) above grade at such edge, a catwalk at least 16 inches in width with substantial cleats spaced not more than 16 inches apart shall be provided from the roof access

to a level platform at the appliance. The level platform shall be provided on each side of the appliance to which access is required for service, repair or maintenance. The platform shall be not less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1067 mm) above the platform, shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the *International Building Code*...{remainder of text unchanged}.

---

**Section 501.3; add an exception to read as follows:**

**501.3 Exhaust Discharge.** The air removed by every mechanical exhaust system shall be discharged outdoors at a point where it will not cause a public nuisance and not less than the distances specified in Section 501.3.1. The air shall be discharged to a location from which it cannot again be readily drawn in by a ventilating system. Air shall not be exhausted into an attic, crawl space, or be directed onto walkways.

**Exceptions:**

1. Whole-house ventilation-type attic fans shall be permitted to discharge into the attic space of dwelling units having private attics.
2. Commercial cooking recirculating systems.
3. Where installed in accordance with the manufacturer's instructions and where mechanical or natural ventilation is otherwise provided in accordance with Chapter 4, listed and labeled domestic ductless range hoods shall not be required to discharge to the outdoors.
4. Toilet room exhaust ducts may terminate in a warehouse or shop area when infiltration of outside air is present.

**END**

**EXHIBIT ‘G’**

**AMENDMENTS TO 2021 INTERNATIONAL PLUMBING CODE**

## Exhibit ‘G’

### Amendments to the 2021 International Plumbing Code

The following sections, paragraphs, and sentences of the *2021 International Plumbing Code* are hereby amended as follows: Standard type is text from the IPC. Underlined type is text inserted. ~~Lined through type is deleted text from the IPC.~~

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***Table of Contents, Chapter 7, Section 713; change to read as follows:***

744-713     Engineered ~~Computerized~~ Drainage Design . . . . . 69-7-12

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***Section 102.8; change to read as follows:***

**102.8 Referenced codes and standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 15 and such codes and standards shall be considered as part of the requirements of this code to the prescribed extent of each such reference. Where the differences occur between provisions of this code and the referenced standards, the provisions of this code shall be the minimum requirements. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the adopted amendments. Any reference to NFPA 70 shall mean the National Electrical Code as adopted.

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***Section 103 and 103.1; change to add name of department responsible for enforcement:***

**SECTION 103 ~~CODE COMPLIANCE AGENCY~~ COMMUNITY DEVELOPMENT DEPARTMENT**

**103.1 Community Development Department.** The Community Development Department is the agency responsible for the implementation, administration and enforcement of the provisions of this code and the official responsible for implementation, administration and enforcement of this code shall be known as the code official.

~~The [INSERT NAME OF DEPARTMENT] is hereby created 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.~~

---

***Section 305; change to read as follows:***

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

---

**Section 305.4.1; changed to read as follows:**

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

---

**Section 306.2.4; added to read as follows:**

**306.2.4 Plastic sewer and DWV piping installation.** Plastic sewer and DWV piping installed underground shall be installed in accordance with the manufacturer's installation instructions. Trench width shall be controlled to not exceed the outside the pipe diameter plus 16 inches or in a trench which has a controlled width equal to the nominal diameter of the diameter of the piping multiplied by 1.25 plus 12 inches. The piping shall be bedded in 4 inches of granular fill and then backfilled compacting the side fill in 6-inch layers on each side of the piping. The compaction shall be to minimum of 85 percent standard proctor density and extend to a minimum of 6 inches above the top of the pipe.

---

**Section 413.4; change to read as follows:**

**413.4 Required location for floor drains** ~~Public laundries and central washing facilities.~~ Floor drains shall be installed in the following areas:

1. In public laundries and in the central washing facilities of multiple family dwellings, the rooms containing automatic clothes washers shall be provided with floor drains located to readily drain the entire floor area. Such drains shall have a minimum outlet of not less than 3 inches (76 mm) in diameter.
  2. Commercial kitchens. In lieu of floor drains in commercial kitchens, the Code Official may accept floor sinks.
  3. Public restrooms.
- 

**Section 608.17.5; change to read as follows:**

**608.17.5 Connections to lawn irrigation systems.**

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

---

**Section 703.6 Installation of Fittings; Delete**

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**Section 704.5; added to read as follows:**

**704.5 Single stack fittings.** Single stack fittings with internal baffle, PVC schedule 40 or cast-iron single stack shall be designed by a registered engineer and comply to a national recognized standard.

---

**Section 712.4.3; add Section 712.4.3 to read as follows:**

**712.4.3 Dual Pump System.** All sumps shall be automatically discharged and, when in any “public use” occupancy where the sump serves more than 10 fixture units, shall be provided with dual pumps or ejectors arranged to function independently in case of overload or mechanical failure. For storm drainage sumps and pumping systems, see Section 1113.

---

**Section 713, 713.1; change to read as follows:**

**SECTION 713**  
**ENGINEERED COMPUTERIZED DRAINAGE DESIGN**

**713.1 Design of drainage system.** The sizing, design and layout of the drainage system shall be permitted to be designed by a registered engineer using approved computer design methods.

---

**Section 903.1.1; change to read as follows:**

~~903.1 Roof extension~~ **903.1.1 Roof extension unprotected.** Open vent pipes that extend through a roof shall terminate not less than six (6) inches (152 mm) above the roof. ~~Where a roof is to be used for assembly or as a promenade, observation deck, sunbathing deck or similar purposes, open vent pipes shall terminate not less than 7 feet (2134 mm) above the roof.~~

---

**Section 1109 Combined Sanitary and Storm Public Sewer; delete this section.**

**1109.1 General**

~~Where the public sewer is a combined system for both sanitary and storm water, the storm sewer shall be connected independently to the public sewer.~~

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**Section 1202.1 Nonflammable medical gases; delete Exceptions 1 and 2.**

**Exceptions:**

- ~~1. This section shall not apply to portable systems or cylinder storage.~~
- ~~2. Vacuum system exhaust terminations shall comply with the International Mechanical Code.~~

**END**



**EXHIBIT ‘H’**

**AMENDMENTS TO 2021 INTERNATIONAL SWIMMING POOL AND SPA CODE**

## Exhibit 'H'

### Amendments to the 2021 International Fuel Gas Code

The following sections, paragraphs, and sentences of the *2021 International Fuel Gas Code* are hereby amended as follows: Standard type is text from the IFGC. Underlined type is text inserted. ~~Lined through type is deleted text from IFGC.~~

#### **Section 102.2; add an exception to read as follows:**

**Exception:** Existing dwelling units shall comply with Section 621.2.

#### **Section 102.8; change to read as follows:**

**102.8 Referenced codes and standards.** The codes and standards referenced in this code shall be those that are listed in Chapter 8 and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.8.1 and 102.8.2. Whenever amendments have been adopted to the referenced codes and standards, each reference to said code and standard shall be considered to reference the amendments as well. Any reference to NFPA 70 or the *National Electrical Code* shall mean the Electrical Code as adopted.

#### **Section 306.5; change to read as follows:**

**[M] 306.5 Equipment and Appliances on Roofs or Elevated Structures.** Where *equipment* requiring access or appliances are located on an elevated structure or the roof of a building such that personnel will have to climb higher than 16 feet (4877 mm) above grade to access, an interior or exterior means of access shall be provided. Exterior ladders providing roof access need not extend closer than 12 feet (2438 mm) to the finish grade or floor level below and shall extend to the *equipment* and appliances' level service space. Such access shall . . . ~~{bulk of section to read the same}~~ . . . on roofs having a slope greater than four units vertical in 12 units horizontal (33-percent slope). ... ~~{remainder of text unchanged}~~.

#### **Section 306.5.1; change to read as follows:**

**[M] 306.5.1 Sloped roofs.** Where appliances, *equipment*, fans or other components that require service are installed on a roof having a slope of 3 units vertical in 12 units horizontal (25-percent slope) or greater and having an edge more than 30 inches (762 mm) above grade at such edge, a catwalk at least 16 inches in width with substantial cleats spaced not more than 16 inches apart shall be provided from the roof access to a level platform at the appliance. The level platform shall be provided on each side of the appliance to which access is required for service, repair or maintenance. The platform shall be not less than 30 inches (762 mm) in any dimension and shall be provided with guards. The guards shall extend not less than 42 inches (1067 mm) above the platform, shall be constructed so as to prevent the passage of a 21-inch-diameter (533 mm) sphere and shall comply with the loading requirements for guards specified in the *International Building Code*.

#### **Section 401.5; add a second paragraph to read as follows:**

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

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

**Section 404.12; change to read as follows:**

**404.12 Minimum burial depth.** Underground piping systems shall be installed a minimum depth of ~~42~~ 18 inches (~~305~~ 458 mm) top of pipe below grade, ~~except as provided for in Section 404.12.1.~~

**404.12.1 Delete in its entirety.**

**Section 406.4; change to read as follows:**

**406.4 Test pressure measurement.** Test pressure shall be measured with a monometer or with a pressure-measuring device designed and calibrated to read, record, or indicate a pressure loss caused by leakage during the pressure test period. The source of pressure shall be isolated before the pressure tests are made. Mechanical gauges used to measure test pressures shall have a range such that the highest end of the scale is not greater than five times the test pressure. Spring type gauges do not meet the requirement of a calibrated gauge.

**Section 406.4.1; change to read as follows:**

**406.4.1 Test pressure.** The test pressure to be used shall be no less than ~~4 1/2 times the proposed maximum working pressure, but no less than 3~~ 3 psig (20 kPa gauge), or at the discretion of the Code Official, the piping and valves may be tested at a pressure of at least six (6) inches (152 mm) of mercury, measured with a manometer or slope gauge, 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. For tests requiring a pressure of 3 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one half inches (3 1/2"), a set hand, 1/10 pound incrementation and pressure range not to exceed 15 psi for tests requiring a pressure of 3 psig. For tests requiring a pressure of 10 psig, diaphragm gauges shall utilize a dial with a minimum diameter of three and one-half inches (3 1/2"), a set hand, a minimum of 2/10 pound incrementation and a pressure range not to exceed 50 psi. For welded piping, and for piping carrying gas at pressures in excess of fourteen (14) inches water column pressure (3.48 kPa) (1/2 psi) and less than 200 inches of water column pressure (52.2 kPa) (7.5 psi), the test pressure shall not be less than ten (10) pounds per square inch (69.6 kPa). For piping carrying gas at a pressure that exceeds 200 inches of water column (52.2 kPa) (7.5 psi), the test pressure shall be not less than one and one-half times the proposed maximum working pressure.

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

**Section 409.1; add Section 409.1.4 to read as follows:**

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

**Section 410.1; add a second paragraph and exception to read as follows:**

Access to regulators shall comply with the requirements for access to appliances as specified in Section 306.

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

**Section 621.2; add exception as follows:**

**621.2 Prohibited use.** One or more unvented room heaters shall not be used as the sole source of comfort heating in a dwelling unit.

**Exception:** Existing *approved* unvented heaters may continue to be used in dwelling units, in accordance with the code provisions in effect when installed, when *approved* by the Code Official unless an unsafe condition is determined to exist as described in Section 108.7.

**END**

**EXHIBIT 'I'**  
**AMENDMENTS TO 2021 INTERNATIONAL FUEL GAS CODE**

## Exhibit 'I'

### Amendments to the 2021 International Swimming Pool and Spa Code

The following sections, paragraphs, and sentences of the *2021 International Swimming Pool and Spa Code* are hereby amended as follows: Standard type is text from the ISPSC. Underlined type is text inserted. ~~Lined through type is deleted text from ISPSC.~~

#### **Section 102.9; Change to read as follows:**

**Section 102.9 Other laws.** The provisions of this code shall not be deemed to nullify any provisions of local, state or federal law, to include but not limited to:

1. Texas Department of State Health Services (TDSHS); *Standards for Public Pools and Spas*; §285.181 through §285.208, (TDSHS rules do not apply to pools serving one- and two-family dwellings or townhouses).
2. Texas Department of Licensing and Regulation (TDLR); *2012 Texas Accessibility Standards (TAS)*, TAS provide the scoping and technical requirements for accessibility for Swimming Pool, wading pools and spas and shall comply with *2012 TAS, Section 242*. (TAS rules do not apply to pools serving one- and two-family dwellings or townhouses).

**Exception:** Elements regulated under Texas Department of Licensing and Regulation (TDLR) and built in accordance with TDLR approved plans, including any variances or waivers granted by the TDLR, shall be deemed to be in compliance with the requirements of this Chapter.

#### **Section 113.4 Violation penalties; *Changed to read as follows:***

**113.4 Violation penalties.** Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter or repair a pool or spa 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 ~~may be punishable for each day of the violation set forth by the *authority having jurisdiction*.~~ shall be guilty of a [SPECIFY OFFENSE], punishable by a fine of not more than [AMOUNT] dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such a fine and imprisonment. ~~Each day that a violation continues after due notice has been served shall be deemed a separate offense.~~

#### **Section 305; Change to read as follows:**

##### **305.1 General.**

The provisions of this section shall apply to the design of barriers for restricting entry into areas having pools and spas. ~~In only one-and two-family dwellings and townhouses, where spas or hot tubs are equipped with a lockable safety cover complying with [ASTM F1346](#) and swimming pools are equipped with a powered safety cover that complies with [ASTM F1346](#), the areas where those spas, hot tubs or pools are located shall not be required to comply with [Sections 305.2](#) through [305.7](#).~~

#### **Add subsection 305.2.7.1; to read as follows:**

**305.2.7.1 Chain link fencing prohibited.** Chain link fencing is not permitted as a barrier in public pools built after January 1, 1994.

**Section 305.4 structure wall as a barrier; Changes as follows:**

**305.4 Structure wall as a barrier.** Where a wall of a dwelling or structure of a one- and two-family dwelling or townhouse or its accessory structure serves as part of a barrier and where doors or windows provide direct access to the pool or spa through that wall, one of the following shall be required:

1. Remainder Unchanged
2. Remainder Unchanged
3. Remainder Unchanged
4. Remainder unchanged
5. Remainder unchanged
6. Remainder unchanged

**Section 305.6; Change to read as follows:**

**305.6 Natural barriers used in a one- and two-family dwelling or townhouse.** In the case where the pool or spa area abuts the edge of a lake or other natural body of water, public access is not permitted or allowed along the shoreline, and required barriers extend to and beyond the water's edge a minimum of eighteen (18) inches, a barrier is not required between the natural body of water shoreline and the pool or spa.

**Section 307.1.4 Accessibility; Add exception to Section to 307.1.4 as follows:**

**Exception:** Components of projects regulated by and registered with Architectural Barriers Division of Texas Department of Licensing and Regulation shall be deemed to be in compliance with the requirements of this chapter.

**Section 307.2.2.2; add to read as follows:**

**Section 307.2.2.2. Adjacency to Structural Foundation.** Depth of the swimming pool and spa shall maintain a ratio of 1:1 from the nearest building foundation or footing of a retaining wall.

Exception:

A sealed engineered design drawing of the proposed new structure shall be submitted for approval.

**Section 310; Change to read as follows:**

**310.1 General.** Suction entrapment avoidance for pools and spas shall be provided in accordance with APSP 7 (ANSI/PHTA/ICC 7) or for public swimming pools in accordance with State of Texas Rules for Public Swimming Pools and Spas, Title 25 TAC Chapter 265 Subchapter L, Rule §265.190.

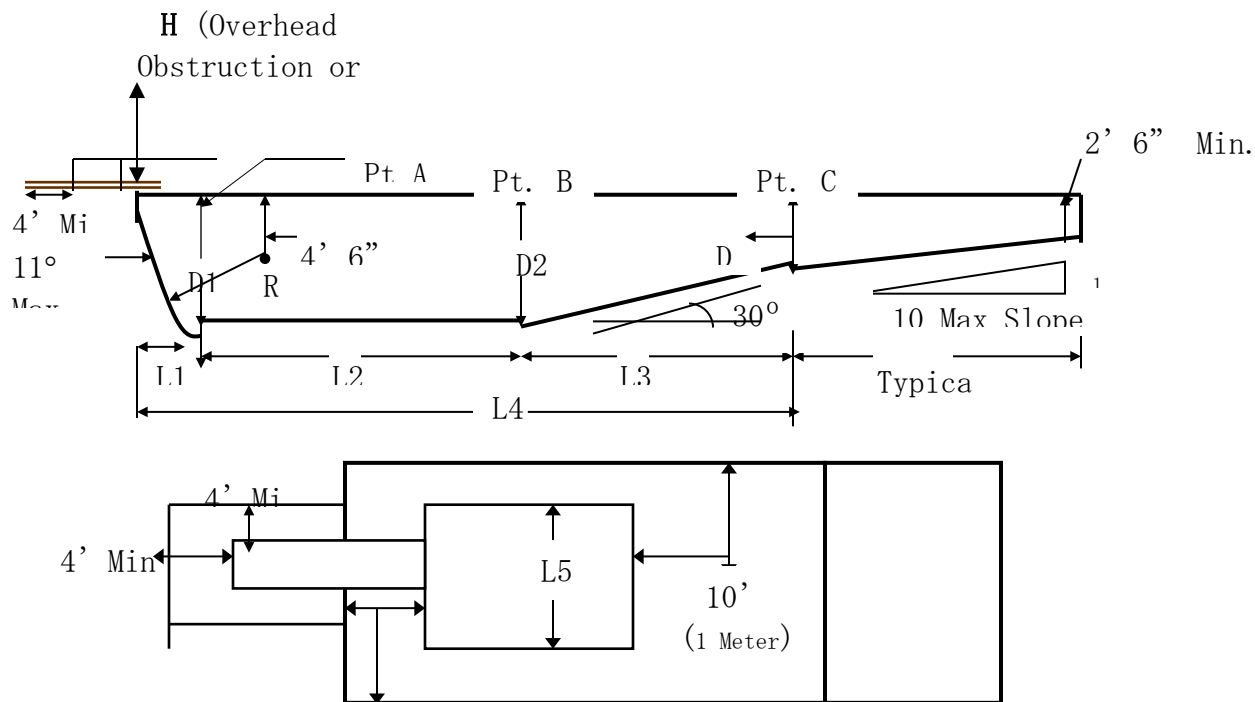
*[Remainder unchanged]*

**Section 402.12; Change to read as follows:**

**402.12 Water envelopes.** The minimum diving water envelopes shall be in accordance with Table 402.12—Texas department of State Health services, Administrative Code Title 25, Chapter 265, Section 186 (e) and Figure: 25 TAC 256.186 (e) (6). (Delete Table 402.12 and Figure 402.12)

ADD: Figure: 25 TAC §265.186 (e) (6)

Maximum Diving Board Height Over Water	¾ Meter	1 Meter	3 Meters
Max. Diving Board Length	12 ft.	16 ft.	16 ft.
Minimum Diving Board Overhang	2 ft. 6 in.	5 ft.	5 ft.
D1 Minimum	8 ft. 6 in.	11 ft. 2 in.	12 ft. 2 in.
D2 Minimum	9 ft.	10 ft. 10 in.	11 ft. 10 in.
D3 Minimum	4 ft.	6 ft.	6 ft.
L1 Minimum	4 ft.	5 ft.	5 ft.
L2 Minimum	12 ft.	16 ft. 5 in.	19 ft. 9 in.
L3 Minimum	14 ft. 10 in.	13 ft. 2 in.	13 ft. 11 in.
L4 Minimum	30 ft. 10 in.	34 ft. 7 in.	38 ft. 8 in.
L5 Minimum	8 ft.	10 ft.	13 ft.
H Minimum	16 ft.	16 ft.	16 ft.
From Plummet to Pool Wall at Side	9 ft.	10 ft.	11 ft. 6 in.
From Plummet to Adjacent Plummet	10 ft.	10 ft.	10 ft.



**Section 411.2.1 & 411.2.2; Change to read as follows:**

**411.2.1 Tread dimensions and area.** Treads shall have a minimum unobstructed horizontal depth (i.e., horizontal run) of 12 inches and a minimum width of 20 inches, not be less than 24 inches (607mm) at the leading edge. Treads shall have an unobstructed surface area of not less than 240 square inches



~~(154838mm2) and an unobstructed horizontal depth of not less than 10 inches (254 mm) at the center line.~~

**411.2.2 Risers.** Risers for steps shall have a maximum uniform height of 10 inches, with the bottom riser height allowed to taper to zero ~~except for the bottom riser, shall have a uniform height of not greater than 12 inches (305 mm) measured at the center line. The bottom riser height is allowed to vary to the floor.~~

**Section 411.5.1 & 411.5.2; Change to read as follows:**

**411.5.1 Swimouts.** Swimouts, located in either the deep or shallow area of a pool, shall comply with all of the following:

1. Unchanged
2. Unchanged
3. Unchanged
4. The leading edge shall be visibly set apart and provided with a horizontal solid or broken stripe at least 1 inch wide on the top surface along the front leading edge of each step. This stripe shall be plainly visible to persons on the pool deck. The stripe shall be a contrasting color to the background on which it is applied, and the color shall be permanent in nature and shall be a slip-resistant surface.

**411.5.2 Underwater seats and benches.** Underwater seats and benches, whether used alone or in conjunction with pool stairs, shall comply with all of the following:

1. Unchanged
2. Unchanged
3. Unchanged
4. Unchanged
5. The leading edge shall be visually set apart and provided with a horizontal solid or broken stripe at least 1 inch wide on the top surface along the front leading edge of each step. This stripe shall be plainly visible to persons on the pool deck. The stripe shall be a contrasting color to the background on which it is applied, and the color shall be permanent in nature and shall be a slip-resistant surface.
6. Unchanged
7. Unchanged

**Section 610.5.1; Change to read:**

**610.5.1 Uniform height of 9-10 inches.** Except for the bottom riser, risers at the centerline shall have a maximum uniform height of 9-10 inches (~~229-254~~ mm). The bottom riser height shall be permitted to vary from the other risers.

**Section 804 Diving Water Envelopes; Change to read as follows:**

**Section 804.1 General.** The minimum diving water envelopes shall be in accordance with Table 804.1 and Figure 804.1, or the manufacturer's specifications, whichever is greater. Negative construction tolerances shall not be applied to the dimensions of the minimum diving water envelopes given in Table 804.1.

**END**

**EXHIBIT ‘J’**

**AMENDMENTS TO 2021 INTERNATIONAL EXISTING BUILDING CODE**

## Exhibit 'J'

### Amendments to the 2021 International Existing Building Code

The following sections, paragraphs, and sentences of the *2021 International Existing Building Code* are hereby amended as follows: Standard type is text from the IEBC. Underlined type is text inserted. ~~Lined through type is deleted text from IEBC.~~

#### **Section 102.4; change to read as follows:**

**[A] 102.4 Referenced codes and standards.** The codes and standards referenced in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference and as further regulated in Sections 102.4.1 and 102.4.2. {No change to rest of section.}

#### **Section 110.2; delete number 11 as follows:**

~~11. Where an automatic sprinkler system is provided, and whether an automatic sprinkler system is required.~~

#### **Section 202; amend definition of Existing Building as follows:**

**Existing Building** - A building, structure, or space with an approved final inspection issued under a code edition which is at least 2 published code editions preceding the currently adopted building code; a building, structure or space that is undergoing a change of occupancy or use. ~~erected prior to the date of adoption of the appropriate code, or one for which a legal building permit has been issued.~~

#### **Section 202; amend definition of Existing Structure as follows:**

**Existing Structure**- A building, structure, or space, with an approved final inspection issued under a code edition which is at least 2 published code editions preceding the currently adopted building code; a building, structure or space that is undergoing a change of occupancy or use. ~~erected prior to the date of adoption of the appropriate code, or one for which a legal building permit has been issued.~~

#### **Section 306.1; add exceptions to read as follows:**

##### **Exceptions:**

- 1. Components of projects regulated by and registered with Architectural Barriers Division of Texas Department of Licensing and Regulation shall be deemed to be in compliance with the requirements of this chapter.**
- 2. If the cost of the project is less than \$50K, it must comply with ICC A117.1, or it shall be reviewed and inspected to the Texas Accessibility Standards by a Registered Accessibility Specialist.**

#### **Section 306.2; add exception to read as follows:**

**Exception:** Projects subject to the Texas Accessibility Standards as adopted by the Texas Department of Licensing and Regulation are exempt from this section. Projects with a valuation of

less than \$50,000.00 (which are subject to the Texas Accessibility Standards) may be accepted as equivalent to this section where reviewed and inspected to the Texas Accessibility Standards by a Texas Department of Licensing and Regulation Registered Accessibility Specialist when a plan review report and a compliant inspection report are provided to the building code official.

**Section 306.5.1 and 306.5.2; add to read as follows:**

**306.5.1 Complete change of occupancy.** Where an entire building undergoes a *change of occupancy*, it shall comply with Section 306.6, 306.7, and 306.7.1, as applicable, and shall have all of the following accessible features:

1. Not fewer than one accessible building entrance.
2. Not fewer than one accessible route from an accessible building entrance to *primary function* areas.
3. Signage complying with Section 1111 of the *International Building Code*.
4. Accessible parking, where parking is being provided.
5. Not fewer than one accessible passenger loading zone, where loading zones are provided.
6. Not fewer than one accessible route connecting accessible parking and accessible passenger loading zones to an accessible entrance.
7. At least one accessible family or assisted use toilet room shall be provided in accordance with Chapter 11 of the *International Building Code*.

Where it is *technically infeasible* to comply with the new construction standards for any of these requirements for a change of group or occupancy, Items 1 through 6 shall conform to the requirements to the maximum extent technically feasible.

**Exception:** The accessible features listed in Items 1 through 6 are not required for an accessible route to Type B units.

**306.5.2 Partial change in occupancy.** Where a portion of the building is changed to a new occupancy classification, any alterations shall comply with Section 306.7 and 306.7.1.

**Section 401.3 Flood Hazard Areas; delete this section.**

**~~401.3 Flood Hazard Areas~~**

~~In flood hazard areas, repairs that constitute substantial improvement shall require that the building comply with Section 1612 of the *International Building Code*, or Section R322 of the *International Residential Code*, as applicable.~~

**Section 405.2.6 Flood Hazard Areas; delete this section.**

**~~405.2.6 Flood Hazard Areas~~**

~~In flood hazard areas, repairs that constitute substantial improvement shall require that the building comply with Section 1612 of the *International Building Code*, or Section R322 of the *International Residential Code*, as applicable.~~

**Section 406.1; add a code reference to read as follows:**

**406.1 Material.** Existing electrical wiring and equipment undergoing *repair* shall be allowed to be repaired or replaced with like material, in accordance with the requirements of NFPA 70.

**Section 502.3 Flood Hazard Areas; delete this section.**

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**Section 503.2 Flood hazard areas; delete this section.**

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**Section 503.16; add exception to read as follows:**

**Exception:** Compliance with the Texas Accessibility Standards is not considered equivalent compliance for the purpose of enforcement of this code section.

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**Section 504.1.2; change to read as follows:**

**504.1.2 Existing fire escapes.** Existing fire escapes shall continue to be accepted as a component in the means of egress in existing buildings only. Existing fire escapes shall be permitted to be repaired or replaced.

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**Section 504.1.3; delete this section:**

~~**504.1.3 New fire escapes.** New fire escapes for existing buildings shall be permitted only where exterior stairways cannot be utilized due to lot lines limiting stairway size or due to the sidewalks, alleys, or roads at grade level. New fire escapes shall not incorporate ladders or access by windows.~~

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**Section 507.3 Flood Hazard Areas; delete this section.**

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**Section 701.3 Flood Hazard Areas; delete this section.**

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**Section 702.4; add exception 2 to read as follows:**

2. Operable windows with openings that are provided with window fall prevention devices that comply with ASTM F2090.

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**Section 702.7; add a code reference to read as follows:**

**702.7 Materials and methods.** All new work shall comply with the materials and methods requirements in the International Building Code, International Energy Conservation Code, International Mechanical Code, National Electrical Code, and International Plumbing Code, as applicable, that specify material standards, detail of installation and connection, joints, penetrations, and continuity of any element, component, or system in the building.

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**Section 802.5.1; change to read as follows:**

**802.5.1 Minimum requirement.** ~~Every portion of a floor, such as a balcony or a loading dock, open-sided walking surfaces, including mezzanines, equipment platforms, aisles, stairs, ramps, and landings that is more than 30 inches (762 mm) above the floor or grade below and is not provided with guards, or those in which the existing guards are judged to be in danger of collapsing, shall be provided with guards.~~

**Section 803.1; add sentence to read as follows:**

For the purpose of fire sprinkler protection and fire alarm requirements included in this section, the work area shall be extended to include at least the entire tenant space or spaces bounded by walls capable of resisting the passage of smoke containing the subject work area, and if the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be protected in its entirety on that particular floor level.

**Section 803.2.6; change exception to read as follows:**

**Exception:** Supervision is not required where the Fire Code does not require such for new construction. ~~for the following:~~

- ~~1. Underground gate valve with roadway boxes.~~
- ~~2. Halogenated extinguishing systems.~~
- ~~3. Carbon dioxide extinguishing systems.~~
- ~~4. Dry and wet chemical extinguishing systems.~~
- ~~5. Automatic sprinkler systems installed in accordance with NFPA 13R where a common supply main is used to supply both domestic and automatic sprinkler systems and a separate shutoff valve for the automatic sprinkler system is not provided.~~

**Section 803.3; change section to read as follows:**

**803.3 Standpipes.** Refer to Section 1103.6 of the Fire Code for retroactive standpipe requirements.  
~~{Delete rest of Section 803.3.}~~

**Section 804.2; delete Exception #1 as follows:**

**Exceptions:** ~~1. Where the work area and the means of egress serving it complies with NFPA101.~~  
~~2. [Remain unchanged]~~

**Section 804.4.1.2; change to read as follows:**

**804.4.1.2 Fire Escapes required.** For other than Group I-2, where more than one exit is required, an existing ~~or newly constructed~~ fire escape complying with section 804.4.1.2.1 shall be accepted as providing one of the required means of egress.

**Section 804.4.1.2.1; change to read as follows:**

**804.4.1.2.1 Fire Escape access and details - ...**

1. [Remain unchanged]
2. Access to a ~~new~~ fire escape shall be through a door...
- ~~3. Newly constructed fire escapes shall be permitted only where exterior stairways cannot be utilized because of lot lines limiting the stairway size or because of the sidewalks, alleys, or roads at grade level.~~
4. [Remain unchanged]

5. In all buildings of Group E occupancy up to and including the 12<sup>th</sup> grade, buildings of Group I occupancy, ~~rooming~~ boarding houses, and childcare centers, ladders of any type are prohibited on fire escapes used as a required means of egress.

**Section 804.6.2 Transoms; add language to read as follows:**

**804.6.2 Transoms.** In all buildings of Group B, E, I-1, I-2, R-1 and R-2 occupancies, ....[Remainder unchanged]

*(Reason: Transom windows were historically a common practice in school buildings and each jurisdiction should evaluate the impact on their stakeholders and their community with regards to this section.)*

**Section 904.1; add sentence to read as follows:**

For the purpose of fire sprinkler protection and fire alarm requirements included in this section, the work area shall be extended to include at least the entire tenant space or spaces bounded by walls containing the subject work area, and if the work area includes a corridor, hallway, or other exit access, then such corridor, hallway, or other exit access shall be protected in its entirety on that particular floor level.

**Section 904.1.1; change to read as follows:**

**904.1.1 High-rise buildings.** An automatic sprinkler system shall be provided in work areas of where the high-rise buildings. ~~has a sufficient municipal water supply for the design and installation of an automatic sprinkler system at the site.~~

**Section 1011.2.1: change to read as follows:**

**1011.2.1 Fire sprinkler system.** Where a change in occupancy classification occurs or where there is a *change of occupancy* within a space where there is a different fire protection system threshold requirement in Chapter 9 of the *International Building Code* that requires an automatic fire sprinkler system to be provided based on the new occupancy in accordance with Chapter 9 of the *International Building Code*. The installation of the automatic sprinkler system shall be required within the area of the *change of occupancy* and areas of the building not separated horizontally and vertically from the *change of occupancy* by one of the following:

1. ~~Nonrated permanent partition and horizontal assemblies.~~
2. ~~Fire partition.~~
3. ~~Smoke partition.~~
4. ~~Smoke barrier.~~
5. Fire barrier, as required by Section 707 of the IBC.
6. Fire wall, as required by Section 706 of the IBC.

**Exceptions:** [Remain unchanged.]

**Section 1102.2.1; add to read as follows:**

**1102.2.1 Fire Separations.** Where fire separations are utilized to allow additions without exceeding the allowable area provisions of Chapter 5 of the IBC for either the existing building or the new addition, the decreased clear space where the two buildings adjoin shall be accounted for in such calculation relative to the allowable frontage increase.

***Section 1103.3 Flood Hazard Areas; delete this section.***

***Section 1201.4 Flood Hazard Areas; delete this section.***

***Section 1301.3.2; change to read as follows:***

**1301.3.2 Compliance with other codes.** Buildings that are evaluated in accordance with this section shall comply with the International Fire Code. ~~and International Property Maintenance Code.~~

***Section 1301.3.3 Compliance with Flood Hazard Provisions; delete this section.***

**~~1301.3.3 Compliance with Flood Hazard Provisions~~**

~~In flood hazard areas, building that are evaluated in accordance with this section shall comply with Section 1612 of the of the International Building Code, or Section R322 of the International Residential Code, as applicable, if the work covered by this section constitutes substantial improvement.~~

***Section 1402.6 Flood Hazard Areas; delete this section.***

***Section 1509; delete Section 1509.1 through 1509.5 and add Section 1509.1 to read as follows:***

**1509.1 When required.** An approved water supply for fire protection, either temporary or permanent, shall be made available as soon as combustible material arrives on the site. The water supply design and the timing of the water supply installation relative to building construction shall comply with the adopted Fire Code.

**END**



**EXHIBIT ‘K’**  
**AMENDMENTS TO 2021 INTERNATIONAL FIRE CODE**

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The following sections, paragraphs, and sentences of the *2021 International Fire Code* (IFC) are hereby amended as follows: Standard type is the text from the IFC. Underlined type is text inserted. ~~Lined through type is deleted text from IFC.~~ A double asterisk (\*\*) at the beginning of a section identifies an amendment carried over from the 2018 edition of the code and a triple asterisk (\*\*\*) identifies a new or revised amendment with the 2021 code.

**Chapter 1 amendments to include.** Note that Appendices must be specifically adopted by Ordinance and that Appendices B, D, and L are currently recommended for adoption via these Amendments. As per Page vii of the 2021 IFC under 'Adoption', note that several sections of this code require jurisdictional specificity as to dollar amounts, geographic limits, etc., and are not addressed in these amendments.

**\*\*Section 102.1: change #3 to read as follows:**

3. Existing structures, facilities, and conditions when required in Chapter 11 or in specific sections of this code.

**\*\*Section 105.3.3: change to read as follows:**

**105.3.3 Occupancy Prohibited Before Approval.** The building or structure shall not be occupied prior to the fire code official issuing a permit when required and conducting associated inspections indicating the applicable provisions of this code have been met.

**\*\*Section 105.6.25: add to read as follows:**

**105.6.25 Electronic access control systems.** Construction permits are required to install or modify an electronic access control system, as specified in Chapter 10. A separate construction permit is required for to install or modify a fire alarm system that may be connected to the access control system. Maintenance performed in accordance with this code is not considered to be a modification and does not require a permit.

**\*\*\* Section 107.3: delete this section in its entirety:**

**107.3 Permit valuations.** ~~The applicant for a permit shall provide an estimated permit value at the time of application. Permit valuations shall include the total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the fire 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 fire code official. Final permit valuation shall be set by the fire code official.~~

**\*\*Section 202: amend and add definitions to read as follows:**

**\*\* [B] AMBULATORY CARE FACILITY.** Buildings or portions thereof used to provide medical, surgical, psychiatric, nursing, or similar care on a less than 24-hour basis to persons who are rendered incapable of self-preservation by the services provided or staff has accepted responsibility for care recipients already incapable. This group may include but not be limited to the following:

- Dialysis centers
- Procedures involving sedation
- Sedation dentistry

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- Surgery centers
- Colonic centers
- Psychiatric centers

**\*\* [B] ATRIUM.** An opening connecting ~~two~~ three or more stories... *{remaining text unchanged}*

**\*\* [B] DEFEND IN PLACE.** A method of emergency response that engages building components and trained staff to provide occupant safety during an emergency. Emergency response involves remaining in place, relocating within the building, or both, without evacuating the building.

**\*\*FIRE WATCH.** A temporary measure intended to ensure continuous and systematic surveillance of a building or portion thereof by one or more qualified individuals or standby personnel when required by the fire code official, for the purposes of identifying and controlling fire hazards, detecting early signs of unwanted fire, raising an alarm of fire and notifying the fire department.

**\*\*FIREWORKS.** Any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration, or detonation, and/or activated by ignition with a match or other heat producing device that meets the definition of 1.3G fireworks or 1.4G fireworks. ...  
*{Remainder of text unchanged} ...*

***HIGH-PILED COMBUSTIBLE STORAGE: add a second paragraph to read as follows:***

Any building classified as a group S Occupancy or Speculative Building exceeding 6,000 sq. ft. that has a clear height in excess of 14 feet, making it possible to be used for storage in excess of 12 feet, shall be considered to be high-piled storage. When a specific product cannot be identified (speculative warehouse), a fire protection system and life safety features shall be installed as for Class IV commodities, to the maximum pile height.

**HIGH-RISE BUILDING.** A building with an occupied floor located more than ~~75~~ 55 feet (~~22-860~~ 16 764 mm) above the lowest level of fire department vehicle access.

**\*\*REPAIR GARAGE.** A building, structure or portion thereof used for servicing or repairing motor vehicles. This occupancy shall also include garages involved in minor repair, modification and servicing of motor vehicles for items such as lube changes, inspections, windshield repair or replacement, shocks, minor part replacement, and other such minor repairs.

**\*\*SELF-SERVICE STORAGE FACILITY.** Real property designed and used for the purpose of renting or leasing individual storage spaces to customers for the purpose of storing and removing personal property on a self-service basis.

**\*\*STANDBY PERSONNEL.** Qualified fire service personnel, approved by the Fire Chief. When utilized, the number required shall be as directed by the Fire Chief. Charges for utilization shall be as normally calculated by the jurisdiction.

**\*\*UPGRADED OR REPLACED FIRE ALARM SYSTEM.** A fire alarm system that is upgraded or replaced includes, but is not limited to the following:

- Replacing one single board or fire alarm control unit component with a newer model

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- Installing a new fire alarm control unit in addition to or in place of an existing one
  - Conversion from a horn system to an emergency voice/alarm communication system
  - Conversion from a conventional system to one that utilizes addressable or analog devices
- the following are not considered an upgrade or replacement:
- Firmware updates
  - Software updates
  - Replacing boards of the same model with chips utilizing the same or newer firmware

**\*\*Section 307.1.1: change to read as follows:**

**307.1.1 Prohibited Open Burning.** ~~Open burning shall be prohibited that is offensive or objectionable because of smoke emissions or when atmospheric conditions or local circumstances make such fires hazardous shall be prohibited.~~

**Exception:** {No change.}

**\*\*Section 307.2: change to read as follows:**

**307.2 Permit Required.** A permit shall be obtained from the *fire code official* in accordance with Section 105.6 prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease or pests, or open burning a bonfire. Application for such approval shall only be presented by and permits issued to the owner of the land upon which the fire is to be kindled.

Examples of state or local law, or regulations referenced elsewhere in this section may include but not be limited to the following:

1. Texas Commission on Environmental Quality (TCEQ) guidelines and/or restrictions.
2. State, County, or Local temporary or permanent bans on open burning.
3. Local written policies as established by the *fire code official*.

**\*\*Section 307.3: change to read as follows:**

**307.3 Extinguishment Authority.** ~~When open burning creates or adds to a hazardous situation, or a required permit for open burning has not been obtained, the fire code official is authorized to order the extinguishment of the open burning operation. The fire code official is authorized to order the extinguishment by the permit holder, another person responsible or the fire department of open burning that creates or adds to a hazardous or objectionable situation.~~

**\*\*\*Section 307.4 and 307.4.1: change to read as follows:**

**Location.** The location for open burning shall not be less than ~~50~~ 300 feet (15-240 91 440 mm) from any structure, and provisions shall be made to prevent the fire from spreading to within ~~50~~ 300 feet (15-240 91 440 mm) of any structure.

**Exceptions:** {No change.}

**307.3.1 Bonfires.** A bonfire shall not be conducted within 50 feet (15 240 mm), or greater distance as determined by the fire code official, of a structure or combustible material, unless the fire is contained in a barbecue pit. Conditions that could cause a fire to spread within the required setback ~~50 feet (15 240 mm)~~ of a structure shall be eliminated prior to ignition.

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**\*\*Section 307.4.3. Exceptions: add Exception #2 to read as follows:**

**Exceptions:**

1. Portable outdoor fireplaces used at one- and two-family dwellings.
2. Where buildings, balconies and decks are protected by an approved automatic sprinkler system.

**\*\*Section 307.4.4 and 307.4.5: change to read as follows:**

**307.4.4 Permanent Outdoor Firepit.** Permanently installed outdoor firepits for recreational fire purposes shall not be installed within 10 feet of a structure or combustible material.

**Exception:** Permanently installed outdoor fireplaces constructed in accordance with the International Residential Code or International Building Code.

**307.4.5 Trench Burns.** Trench burns shall be conducted in air curtain trenches and in accordance with Section 307.2.

**\*\*Section 307.5: change to read as follows:**

**307.4 Attendance.** *Open burning, trench burns, bonfires, recreational fires, and use of portable outdoor fireplaces shall be constantly attended until the... {Remainder of section unchanged}*

**\*\*Section 308.1.4: change to read as follows:**

**308.1.4 Open-flame Cooking Devices.** ~~Charcoal burners and other~~ Open-flame cooking devices, charcoal grills and other similar devices used for cooking shall not be operated located or used on combustible balconies, decks, or within 10 feet (3048 mm) of combustible construction.

**Exceptions:**

1. One- and two-family dwellings where LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20-pound (9.08 kg) LP-gas capacity] with an aggregate LP-gas capacity not to exceed 100 pounds (5 containers). All LP-gas containers shall be stored outside, as per Chapter 61.
2. Where buildings, balconies and decks are protected by an approved automatic sprinkler system, and LP-gas containers are limited to a water capacity not greater than 50 pounds (22.68 kg) [nominal 20 pound (9.08 kg) LP-gas capacity], with an aggregate LP-gas capacity not to exceed 40 lbs. (2 containers). All LP-gas containers shall be stored outside, as per Chapter 61.
3. LP-gas cooking devices having LP-gas container with a water capacity not greater than 2-1/2 pounds [nominal 1-pound (0.454 kg) LP-gas capacity].

**\*\*Section 308.1.6.2. Exception #3: change to read as follows:**

3. Torches or flame-producing devices in accordance with Section ~~308.4~~ 308.1.3.

**\*\*Section 308.1.6.3: change to read as follows:**

**308.1.6.3 Sky Lanterns.** A person shall not release or cause to be released an ~~untethered~~ unmanned free-floating device containing an open flame or other heat source, such as but not limited to a sky lantern.

**\*\*Section 311.5: change to read as follows:**

**311.5 Placards.** ~~Any~~ The fire code official is authorized to require marking of any vacant or abandoned

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buildings or structures determined to be unsafe pursuant to Section 114 of this code relating to structural or interior hazards, ~~shall be marked~~ as required by Section 311.5.1 through 311.5.5.

**\*\*Section 315: change to read as follows:**

**315.3.1** Ceiling clearances. Storage shall be maintained 2 feet (610 mm) or more below the ceiling in non-sprinklered areas of buildings or not less than 18 inches (457 mm) below sprinkler head deflectors in sprinklered areas of buildings. This would include but is not limited to storage rooms & closets, commercial kitchen areas & pantries, and so forth. The fire code official is authorized to require the marking of any storage area known to be a common area for overstocking. Markings shall be a painted -2" red stripe with painted -1" tall white letters "DO NOT STACK ABOVE THIS LINE.

**\*\*Section 403.4: change to read as follows:**

**403.4 Group E Occupancies.** An approved fire safety and evacuation plan in accordance with Section 404 shall be prepared and maintained for Group E occupancies and for buildings containing both a Group E occupancy and an atrium. A diagram depicting two evacuation routes shall be posted in a conspicuous location in each classroom. Group E occupancies shall also comply with Sections 403.4.1 through 403.4.3.

**\*\*Section 404.2.2: add Number 4.10. to read as follows:**

4.10. Fire extinguishing system controls.

**\*\*\*Section 405.5: change to read as follows:**

**405.5 Time.** The fire code official may require an evacuation drill at any time. Drills shall be held at unexpected times and under varying conditions to simulate the unusual conditions that occur in case of fire.

**Exceptions:**

1. {No change.}
2. {No change.}
3. Notification of teachers/staff having supervision of light- or sound-sensitive students/occupants, such as those on the autism spectrum, for the protection of those students/occupants, shall be allowed prior to conducting a drill.

**\*\*Section 501.4: change to read as follows:**

**501.4 Timing of Installation.** When fire apparatus access roads or a water supply for fire protection is required to be installed for any structure or development, they shall be installed, tested, and approved prior to the time of which construction has progressed beyond completion of the foundation of any structure. , ~~such protection shall be installed and made serviceable prior to and during the time of construction except when approved alternative methods of protection are provided. Temporary street signs shall be installed at each street intersection when construction of new roadways allows passage by vehicles in accordance with Section 505.2~~

**\*\*Section 503.1.1: add a paragraph to read as follows:**

Except for one- or two-family dwellings, the path of measurement shall be along a minimum of 10 feet (3048 mm) wide unobstructed pathway around the external walls of the structure.

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A continuous row of parking between the fire lane and the structure shall be considered a barrier. Landscaping may also be considered a barrier based on the location of the type. The provisions of this section notwithstanding, fire lanes may be required to be located within thirty feet (30') of a building if deemed to be reasonably necessary by the Fire Chief or Fire Marshal to enable proper protection of the building. The use of a roadway designated as a major/minor thoroughfare or commercial collectors by the City as a fire lane shall be prohibited. Fire lanes and access easements shall be provided to serve all buildings through parking areas, service entrances of buildings, loading areas and trash collection areas, and other areas deemed necessary to be available to fire and emergency vehicles. The Fire Chief or Fire Marshal is authorized to designate additional requirements for fire lanes where the same is reasonably necessary so as to provide access for fire and rescue personnel.

**\*\*Section 503.2.1: change to read as follows:**

**503.2.1 Dimensions.** Fire apparatus access roads shall have an unobstructed width of not less than ~~20 24 feet (6096 mm 7315 mm)~~, exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than ~~13 feet 6 inches (4115 mm) 14 feet (4267 mm)~~.

**Exception:** Vertical clearance may be reduced; provided such reduction does not impair access by fire apparatus and approved signs are installed and maintained indicating the established vertical clearance when approved.

**\*\*Section 503.2.2: change to read as follows:**

**503.2.2 Authority.** The *fire code official* shall have the authority to require ~~or permit modifications to the required~~ an increase in the minimum access widths and vertical clearances where they are inadequate for fire or rescue operations or where necessary to meet the public safety objectives of the jurisdiction.

**\*\*\*Section 503.2.3: change Section 503.2.3 to read as follows:**

**Surface.** Fire apparatus access roads shall be designed and maintained to support imposed loads of 85,000 Lbs. for fire apparatus and shall be surfaced so as to provide all-weather driving capabilities. The design shall be based on the geotechnical investigation of the site but shall meet the stated minimums. The fire lane shall be constructed with a minimum 6 in. thick, 3500 PSI concrete with steel reinforcing of No. 3 bars spaced 24 in. on centers in each direction. The base course thickness shall be a minimum of 6 in. in thickness and shall consist of lime or cement stabilization as recommended in the Geotechnical Report. Where lime or cement stabilization is not practical, the standard pavement thickness may be increased by 1 in. and a minimum of 6 in. flexible base course in lieu of treating the subgrade with lime or cement. The base course shall consist of a minimum 6 in. flexible base course over a compacted sub-base to 95% Standard Proctor density, or 6 in. of asphalt base as approved by the City. Whenever forty percent (40%) of existing, non-conforming fire lanes are replaced within a twelve-month period, the entire fire lane shall be replaced according to current standards. All fire lanes shall be maintained and kept in a good state of repair at all times by the owner and the City of Crowley shall not be responsible for the maintenance thereof. It shall further be the responsibility of the owner to

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ensure that all fire lane markings required by Section 503.3 be kept so that they are easily distinguishable by the public.

**\*\* Section 503.2.4: changed to read as follows**

**503.2.4 Turning radius.** The required turning radius of a fire apparatus access road shall be in accordance with this section.

Any such fire lane shall either connect both ends to a dedicated public street or fire lane or be provided with an approved turnaround having a minimum outer radius of fifty feet (50'). If two or more interconnecting lanes are provided, an interior radius for that connection shall be required in accordance with the following:

24-foot fire lane - minimum radius 30 feet

26-foot fire lane - minimum radius 30 feet

30-foot fire lane - minimum radius 20 feet

Fire lane dimensions established by Appendix D, or other sections of this Code, shall be superseded by the criteria established by this section.

The requirements of Section D105 shall remain unchanged.

**\*\*Section 503.3: change to read as follows:**

**503.3 Marking.** ~~Where required by the fire code official, approved signs or other approved notices~~ Striping, signs, or other markings, when approved by the fire code official, shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which fire lanes are designated Striping, signs, and other markings shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility. Other markings shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility.

**(1) Striping** – Fire apparatus access roads shall be continuously marked by painted lines of red traffic paint six inches (6") in width to show the boundaries of the lane. The words "NO PARKING FIRE LANE" or "FIRE LANE NO PARKING" shall appear in four inch (4") white letters at 25 feet intervals on the red border markings along both sides of the fire lanes. Where a curb is available, the striping shall be on the vertical face of the curb.

**(2) Signs** – Signs shall read "NO PARKING FIRE LANE" or "FIRE LANE NO PARKING" and shall be 12" wide and 18" high. Signs shall be painted on a white background with letters and borders in red, using not less than 2" lettering. Signs shall be permanently affixed to a stationary post and the bottom of the sign shall be six feet, six inches (6'6") above finished grade. Signs shall be spaced not more than fifty feet (50') apart along both sides of the fire lane. Signs may be installed on permanent buildings or walls or as approved by the Fire Chief.



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**\*\*Section 503.4: change to read as follows:**

**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 established in Section 503.2.1 and 503.2.2 and any area marked as a fire lane as described in Section 503.3 shall be maintained at all times. Unoccupied vehicles or other obstructions in the fire lane may be removed or towed at the expense of the registered owner.

**Section 503.7 is hereby added to read as follows:**

**503.7. Preemption device.** When mechanically operated gates or barriers are provided, or required, across a fire apparatus access road, an approved emergency vehicle traffic preemption device shall be provided compatible with the fire department's apparatus.

**\*\*Section 505.1: change to read as follows:**

**505.1 Address Identification.** New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Each character shall be not less than ~~4 inches (102 mm)~~ 6 inches (152.4 mm) high with a minimum stroke width of 1/2 inch (12.7 mm). Where required by the fire code official, address numbers shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road, buildings do not immediately front a street, and/or the building cannot be viewed from the public way, a monument, pole or other sign with approved 6-inch (152.4 mm) height building numerals or addresses and 4 inches (101.6 mm) height suite/apartment numerals of a color contrasting with the background of the building or other approved means shall be used to identify the structure. Numerals or addresses shall be posted on a minimum 20-inch (508 mm) by 30-inch (762 mm) background of the n border. Address identification shall be maintained. If the building is more than 50' from the street or road, approved numerals of a minimum of twelve inches (12") in height or as determined by the fire code official.

**Exception:** R-3 Single Family occupancies shall have approved numerals of a minimum 3 ½ inches (88.9 mm) in height and a color contrasting with the background clearly visible and legible from the street fronting the property and rear alleyway where such alleyway exists.

**Section 505.1.1 shall be added to read as follows:**

**505.1.1 Utility shut-off and identification.** All utilities shall have an exterior means of being disconnected by the Fire Department in case of an emergency. Approved numerals of minimum one-inch (1") height and of a color contrasting with the background shall be placed on gas and electrical meters serving all new and existing buildings or structures except R-3 occupancies.

**Section 505.3** is hereby added to read as follows:

**505.3 Wayfaring Sign.** A wayfaring sign shall be provided for all new and existing multi-building

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developments in which multiple buildings are addressed off a single address, such as in an apartment complex, or when the nature and arrangement of the buildings, such signage would be conducive to navigation. Such signs shall be placed at all points of entry into the development, or as required by the Fire Code Official.

The wayfinding sign shall meet the below minimum requirements:

1. Provide a simplified Site Plan layout of the development or property.
2. Shall indicate all entry and exit points.
3. Shall be a minimum 36-inch by 36-inch.
4. Shall be provided with lighting or reflective sheeting.
5. Shall be permanently mounted.
6. Shall indicate major building and/or address numbers.
7. Shall indicate the development's name and address.

**Section 505.4 is hereby added to read as follows:**

**505.4 Address Marking in Parking Garages.** An approved sign displaying the building name and address with minimum 1-of-inch high letters and numerals on a contrasting background in new and existing parking garages. The signs shall be located in each elevator lobby and at the entrance to each stairwell.

**Section 506.1.3 is hereby added to read as follows:**

**506.1.3 Knox Box Locations.** The key box shall be provided at the entrance to the sprinkler riser room and fire pump room. Additional key boxes shall be placed at the main entrance to a large building when determined by the fire code official it is necessary due to the size and remoteness of the fire sprinkler riser room and/or fire pump room.

**\*\*Section 507.4: change to read as follows:**

**507.4 Water Supply Test Date and Information.** The water supply test used for hydraulic calculation of fire protection systems shall be conducted in accordance with NFPA 291 "Recommended Practice for Fire Flow Testing and Marking of Hydrants" and within one year of sprinkler plan submittal. The fire code official shall be notified prior to the water supply test. Water supply tests shall be witnessed by the fire code official, as required or approved documentation of the test shall be provided to the fire code official prior to final approval of the water supply system. The exact location of the static/residual hydrant and the flow hydrant shall be indicated on the design drawings. All fire protection plan submittals shall be accompanied by a hard copy of the water flow test report, or as approved by the fire code official. The report must indicate the dominant water tank level at the time of the test and the maximum and minimum operating levels of the tank, as well, or identify applicable water supply fluctuation. The licensed contractor must then design the fire protection system based on this fluctuation information, as per the applicable referenced NFPA standard. Reference Section 903.3.5 for additional design requirements.  
Fire lines exceeding 100 feet shall be required to install a backflow preventer in a concrete vault near the fire service line connection to the city's re-circulating water line. The City Fire Marshal shall approve the construction plans for the vault, fittings, valves, double detector check, etc., and will issue a separate permit for fire sprinkler systems.

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**Section 507.5.1 is hereby amended to read as follows:**

**507.5.1 Where Required.**

Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is more than 400 feet (122 m) from a hydrant or a fire access road, as measured by an approved route around the exterior of the facility or building, on-site fire hydrants, and mains shall be provided where required by the Fire Code Official. Notwithstanding the foregoing, fire hydrants shall be required as follows:

The location, number, and type of fire hydrants capable of delivering the required fire flow shall be provided on the public street or on the site of the premises or both to be protected and approved. Fire hydrants shall be in service and operational prior to going vertical with any building construction which would require hydrants to be installed. The Fire Marshal \ Fire Chief may grant an exception if requested by the owner in writing.

Fire hydrants shall be spaced in accordance with the following:

a. Residential Installations: Fire hydrant shall be installed within a five hundred (500) foot hose lay of the main entrance of the structure.

b. Multi-family Installation: Fire hydrants shall be installed within a three hundred (300) foot hose lay of the main entrance of the structure.

c. Commercial Installations: Fire hydrants shall be installed within a three hundred (300) foot hose lay of the main entrance of the structure. An additional fire hydrant shall be required for every two thousand (2,000) gallons per minute (GPM) or portion of fire flow required. (Example: Fire flow of three thousand one hundred (3,100) GPM is required. Two fire hydrants will be required to supply this amount.)

d. Commercial Installations with buildings over five hundred (500) feet long shall provide hydrants at the front and rear of the building.

e. Fire System Connection: Fire hydrants shall be located within a one hundred (100) foot hose lay of the fire department connections to the protection system.

f. The Fire Marshal / Fire Chief shall have the authority to require additional fire hydrants to be installed if the circumstance so requires it.

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- g. When the street is designated on the Master Thoroughfare Plan as a minor arterial or larger, fire hydrants shall be required on the same side of the street where the building is to be constructed.
- h. All streets with medians, regardless of size, shall have fire hydrants on the same side as the construction.
- i. All fire hydrants shall be painted red in color, and be equipped with a 5" hydro-storz adaptor

**\*\*Section 507.5.4: change to read as follows:**

**507.5.4 Obstruction.** Unobstructed access to fire hydrants shall be maintained at all times. Posts, fences, vehicles, growth, trash, storage, and other materials or objects shall not be placed or kept near fire hydrants, fire department inlet connections or fire protection system control valves in a manner that would prevent such equipment or fire hydrants from being immediately discernible. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or firehydrants.

**\*\*Section 509.1.2 - 509.1.28: add to read as follows:**

**509.1.2.** Unless more stringent requirements apply, lettering for signs required by this section shall have a minimum height of 2 inches (50.8 mm) when located inside a building and 4 inches (101.6 mm) when located outside, or as approved by the *fire code official*. The letters shall be of a color that contrasts with the background. Lettering and/or graphics shall be white and reflective for all outdoor signage. All signs shall be secured by mechanical means. Adhesive tapes and/or glue are prohibited.

**509.1.3 Sign Specifications.** All signs required by this section shall be in accordance with the following specifications unless otherwise noted: 1. The minimum sign size of 12 in. x 12 in. 2. Constructed of a minimum 0.080 aluminum sheet with a minimum 0.75 radius corners. 3. Font style shall be Arial, with all letters capitalized, minimum 3 in. letterings and ½ in. width. 4. The sign face shall be traffic red. 5. Lettering and/or graphics shall be white and reflective. 6. All signs shall be secured by mechanical means. Adhesive tapes and/or glue are prohibited.

**509.1.4 Fire Department Connection.** All buildings provided with an approved automatic fire sprinkler system or standpipe requiring a Fire Department Connection (FDC), shall indicate the location of the FDC with appropriate signage as follows:

- 1. The letters FDC shall be 4" tall minimum white reflective
- 2. Building and structures in which multiple FDCs will be located within the same subdivision shall also indicate numerical address, suite numbers served, or other descriptions as approved by the Fire Code Official.
- 3. When multiple FDCs are provided at a common location to serve different types of fire protection systems, the sign shall further indicate the type of fire protection system served.
- 4. Where the FDC does not serve the entire building, a sign shall be provided indicating the portions of the building served.

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**509.1.5 Wall Mounted FDC.** Wall-mounted FDCs shall have a sign mounted 7 feet above grade directly over the FDC. The sign shall be RED background with a minimum of 4" tall white letters – reflective.

Exception. If the FDC is located such that it may be difficult to readily locate, the inclusion of a directional arrow or additional signage may be required.

**509.1.6 Remote Mounted FDC.** For fire protection systems supplied by a remotely located FDC, a sign shall be permanently mounted as follows

1. The sign shall be located directly adjacent to the FDC
2. Signs shall be mounted on a signpost that extends a minimum of seven (7) feet above grade
3. The numerical street number shall be included
4. The letters FDC shall be 4" tall minimum and the address letters & numbers shall be 2" tall minimum – white reflective
5. The remote audio/visual alarm device is to be mounted at the top of the pole

**509.1.7 FDC Protection.**

All FDCs shall have a minimum of 8 in x 12 in. Sign with 1 ½ in. white lettering that reads "DO NOT BLOCK – BY ORDER OF THE FIRE MARSHAL" placed directly under the FDC.

**509.1.8 Fire Protection Equipment Rooms.**

Rooms containing fire sprinkler riser assemblies and control equipment shall be identified with a minimum of 12 in. x 12 in. Sign with 2 in. lettering that reads "RISER ROOM STORAGE PROHIBITED". If the fire alarm system control panel and/or other fire protection equipment is located within the same room, the sign shall include lettering identifying all equipment located therein.

**509.1.9 Multiple Riser Identification.**

When multiple risers are located within the same room, or in different locations within the same building, signs shall be provided to indicate the zone or floor served by the riser assembly, or the type of system serving the zone or floor. Signs shall be 8 in. X 8 in. with 2 in. letterings

**509.1.10 Pump Test Header.**

When a fire pump is provided as part of the fire protection system, a sign shall be provided to differentiate the test header from other equipment. Signs shall be RED, a minimum 8 in. x 8 in. with 2 in. white lettering – reflective, that reads "FIRE PUMP TEST HEADER"

**509.1.11 Roof Access** For buildings and structures where roof access is not provided from the exterior of the building, a sign shall be provided on the door or room containing the access point. The sign shall be red 8 in. x 8 in. with 2 in. white lettering that reads "ROOF ACCESS".

**509.1.12 Wall & Post Indicator Valves.**

When a Wall or Post Indicator Valve (PIV) is provided as part of the fire protection system, signs shall be provided to indicate the riser and/or zone controlled by the valve. Signs shall be located directly adjacent to the control valve and shall be either mounted on a signpost or affixed to the exterior of the building

**509.1.13 Fire Department Access.**

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In the event, that fire department access is so located in an area that is not readily identifiable, or as required by the Fire Code Official, signs shall be provided and located as directed by this section or the Fire Code Official.

**509.1.14 Access Gates.**

When pedestrian access gates are provided, or otherwise required, in order to provide access to a building or facility, a minimum 8 in. x 6 in. red sign with 2 in. white lettering - reflective shall be provided on the gate that reads "F.D. ACCESS"

A Knox Box is required at the gate entrance.

**509.1.15 Automatic Access Gates.**

When automatic or manual access gates are provided across a fire lane or entry/egress points to a residential subdivision, or otherwise required, in order to provide access to a building, facility, or residential subdivision, a minimum 8 in. x 6 in. red sign with 2 in. white lettering – reflective, shall be provided on the gate that reads "F.D. ACCESS"

**509.1.16 Emergency Access Easements.**

When automatic or manual access gates are provided across an emergency access easement or fire lane to a residential subdivision, or otherwise required a minimum 8 in. x 6 in. red sign with 2 in. white lettering - reflective shall be provided on the gate that reads "F.D. ACCESS".

**509.1.17 Hazardous Materials.**

When required by other sections of the Fire Code, or the Fire Code Official, an NFPA 704 diamond shall be posted at a location on the premise as approved by the Fire Code Official. The entire sign shall be made of reflective material.

**509.1.18 Fire Command Room.**

When a fire command room is provided, an 8-in. x 8-in. red sign with 2-in. white lettering shall be provided to read "FIRE COMMAND ROOM".

**509.1.19 Electrical Room.**

When an interior electrical room is provided, an 8 in. X 8 in. red sign with 2 in. white lettering shall be provided to read "ELECTRICAL ROOM".

**509.1.20 Fire Alarm Control Panel.**

When the main fire alarm control panel is not located within the riser room, fire command room, or at the main entrance, an 8-in. x 8-in. red sign with 2-in. white lettering shall be provided to read "FIRE ALARM PANEL LOCATED IN \_\_\_\_\_ ROOM".

**509.1.21 Supplementary Signs.**

When supplementary fire alarm system control panels, such as power supplies, special hazards, or similar are provided, an 8 in. x 8 in. red sign with 2 in. white lettering shall be provided to read "FIRE ALARM PANEL" shall be provided on the entry door.

**509.1.22 Mechanical Room.**

When an interior mechanical room is provided, an 8 in. x 8 in. red sign with 2 in. white letterings shall be provided to read "MECHANICAL ROOM".

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**509.1.23 Miscellaneous Signs.**

Whenever a sign not specifically outlined in this section is required by the Fire Code Official, it shall be constructed in accordance with this section. Signs shall be a minimum of 12 in. x 12 in. with 2 in. letterings. Floor markings shall be painted or tiled.

**509.1.24 Utility shut-off and identification.**

All utilities shall have an exterior means of being disconnected by the Fire Department in case of an emergency. Approved numerals and letters a minimum of one inch (1") in height and the contrasting background shall be placed on gas and electrical meters serving all new and existing buildings or structures except R- 3 occupancies. Lettering and/or graphics shall be white and reflective. Signs identifying the utility service shall be red background with white letters secured by mechanical means above the applicable disconnect. Signs shall be a minimum of 8 in. x 8 in. with 2 in. lettering – reflective.

**509.1.25 Stairwell Identification.**

Stairwell identification signs shall be provided in buildings that are four (4) or more stories in height, or as required by this section. The signs shall be installed in stairways to identify each stair landing and indicate the upper and lower termination of the stairway. Signs within the stairways shall be located above the floor landing in a position that is readily visible when the door is in the open or closed position.

Stairway identification signs shall indicate the numerical and/or location of the stair in minimum 2-inch lettering and shall be constructed in accordance with **Section 511.3.**

Exception. For signs located within a high-rise installed in accordance with the International Building Code.

**509.1.26 Occupancy side of doors.**

Signs shall be located at each level on the occupancy (tenant) side of all enclosed stairways, regardless of the height of the building.

**509.1.27 Floor Level.**

The floor level number shall be displayed on the stairwell identification sign.

**509.1.28 Re-entry.**

Where stairway doors are locked from the stairway side to prohibit entry to a floor, "NO RE-ENTRY" shall be placed at the bottom of the sign-in with a minimum of 1-inch lettering.

**\*\*\*Section 605.4 through 605.4.2.2: change to read as follows:**

**605.4 Fuel oil storage systems.** Fuel oil storage systems ~~for building heating systems~~ shall be installed and maintained in accordance with this code. Tanks and fuel-oil piping systems shall be installed in accordance with Chapter 13 of the *International Mechanical Code* and Chapter 57.

**605.4.1 Fuel oil storage in outside, above-ground tanks.** Where connected to a fuel-oil piping system, the maximum amount of fuel oil storage allowed outside above ground without additional protection shall be 660 gallons (2498 L). The storage of fuel oil above ground in quantities exceeding 660 gallons (2498 L) shall comply with NFPA 31 and Chapter 57.

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**605.4.1.1 Approval.** Outdoor fuel oil storage tanks shall be in accordance with UL 142 or UL 2085, and also listed as double-wall/secondary containment tanks.

**605.4.2 Fuel oil storage inside buildings.** Fuel oil storage inside buildings shall comply with Sections 605.4.2.2 through 605.4.2.8 ~~or~~ and Chapter 57.

**605.4.2.1 Approval.** Indoor fuel oil storage tanks shall be in accordance with UL 80, UL 142 or UL 2085.

**605.4.2.2 Quantity limits.** One or more fuel oil storage tanks containing Class II or III *combustible liquid* shall be permitted in a building. The aggregate capacity of all tanks shall not exceed the following:

1. 660 gallons (2498 L) in unsprinklered buildings, where stored in a tank complying with UL 80, UL 142 or UL 2085, and also listed as a double-wall/secondary containment tank for Class II liquids.
2. 1,320 gallons (4996 L) in buildings equipped with an *automatic sprinkler* system in accordance with Section 903.3.1.1, where stored in a tank complying with UL 142 or UL 2085. The tank shall be listed as a secondary containment tank, and the secondary containment shall be monitored visually or automatically.
3. 3,000 gallons (11 356 L) in buildings equipped with an *automatic sprinkler* system in accordance with Section 903.3.1.1, where stored in protected above-ground tanks complying with UL 2085 and Section 5704.2.9.7. The tank shall be listed as a secondary containment tank, as required by UL 2085, and the secondary containment shall be monitored visually or automatically.

**\*\*Section 807.5.2.2 and 807.5.2.3 applicable to Group E occupancies: change to read as follows:**

**807.5.2.2 Artwork in Corridors.** Artwork and teaching materials shall be limited on the walls of corridors to not more than 20 percent of the wall area. Such materials shall not be continuous from floor to ceiling or wall to wall. Curtains, draperies, wall hangings, and other decorative material suspended from the walls or ceilings shall meet the flame propagation performance criteria of NFPA 701 in accordance with Section 807 or be noncombustible.

**Exception:** Corridors protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 shall be limited to 50 percent of the wall area.

**807.5.2.3 Artwork in Classrooms.** Artwork and teaching materials shall be limited on walls of classrooms to not more than 50 percent of the specific wall area to which they are attached. Curtains, draperies, wall hangings and other decorative material suspended from the walls or ceilings shall meet the flame propagation performance criteria of NFPA 701 in accordance with Section 807 or be noncombustible.

**\*\*Section 807.5.5.2 and 807.5.5.3 applicable to Group I-4 occupancies: change to read as follows:**

**807.5.5.2 Artwork in Corridors.** Artwork and teaching materials shall be limited on the walls of corridors



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to not more than 20 percent of the wall area. Such materials shall not be continuous from floor to ceiling or wall to wall. Curtains, draperies, wall hangings and other decorative material suspended from the walls or ceilings shall meet the flame propagation performance criteria of NFPA 701 in accordance with Section 807 or be noncombustible.

**Exception:** Corridors protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 shall be limited to 50 percent of the wall area.

**807.5.5.3 Artwork in Classrooms.** Artwork and teaching materials shall be limited on walls of classrooms to not more than 50 percent of the specific wall area to which they are attached. Curtains, draperies, wall hangings and other decorative material suspended from the walls or ceilings shall meet the flame propagation performance criteria of NFPA 701 in accordance with Section 807 or be noncombustible.

**\*\*Section 901.6.1.1: add to read as follows:**

**901.6.1.1 Standpipe Testing.** Building owners/managers must maintain and test standpipe systems as per NFPA 25 requirements. The following additional requirements shall be applied to the testing that is required every 5 years:

1. The piping between the Fire Department Connection (FDC) and the standpipe shall be back flushed or inspected by approved camera when foreign material is present or when caps are missing, and also hydrostatically tested for all FDC's on any type of standpipe system. Hydrostatic testing shall also be conducted in accordance with NFPA 25 requirements for the different types of standpipe systems.
2. For any manual (dry or wet) standpipe system not having an automatic water supply capable of flowing water through the standpipe, the tester shall connect hose from a fire hydrant or portable pumping system (as approved by the *fire code official*) to each FDC, and flow water through the standpipe system to the roof outlet to verify that each inlet connection functions properly. Confirm that there are no open hose valves prior to introducing water into a dry standpipe. There is no required pressure criteria at the outlet. Verify that check valves function properly and that there are no closed control valves on the system.
3. Any pressure relief, reducing, or control valves shall be tested in accordance with the requirements of NFPA 25. All hose valves shall be exercised.
4. If the FDC is not already provided with approved caps, the contractor shall install such caps for all FDC's as required by the *fire code official*.
5. Upon successful completion of standpipe test, place a blue tag (as per Texas Administrative Code, Fire Sprinkler Rules for Inspection, Test and Maintenance Service (ITM) Tag) at the bottom of each standpipe riser in the building. The tag shall be check-marked as "Fifth Year" for Type of ITM, and the note on the back of the tag shall read "5 Year Standpipe Test" at a minimum.
6. The procedures required by Texas Administrative Code Fire Sprinkler Rules with regard to Yellow Tags and Red Tags or any deficiencies noted during the testing, including the required notification of the local Authority Having Jurisdiction (*fire code official*) shall be followed.
7. Additionally, records of the testing shall be maintained by the owner and contractor, if applicable,

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as required by the State Rules mentioned above and NFPA 25.

8. Standpipe system tests where water will be flowed external to the building shall not be conducted during freezing conditions or during the day prior to expected night time freezing conditions.
9. Contact the *fire code official* for requests to remove existing fire hose from Class II and III standpipe systems where employees are not trained in the utilization of this firefighting equipment. All standpipe hose valves must remain in place and be provided with an approved cap and chain when approval is given to remove hose by the *fire code official*.

**\*\*Section 901.6.4: add to read as follows:**

**901.6.4 False Alarms and Nuisance Alarms.** False alarms and nuisance alarms shall not be given, signaled or transmitted or caused or permitted to be given, signaled or transmitted in any manner.

**\*\*Section 901.7: change to read as follows:**

**901.7 Systems Out of Service.** Where a required *fire protection system* is out of service or in the event of an excessive number of activations, the fire department and the *fire code official* shall be notified immediately and, where required by the *fire code official*, the building shall either be evacuated or an *approved fire watch* shall be provided for all occupants left unprotected by the shut down until the *fire protection system* has been returned to service

**\*\*Section 903.1.1: change to read as follows:**

**903.1.1 Alternative Protection.** Alternative automatic fire-extinguishing systems complying with Section 904 shall be permitted instead of in addition to automatic sprinkler protection where recognized by the applicable standard and, or as approved by the *fire code official*.

**\*\*Section 903.2: add paragraph to read as follows and delete the Exception for telecommunications buildings:**

Automatic Sprinklers shall not be installed in elevator machine rooms, elevator machine spaces, and elevator hoistways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances. Storage shall not be allowed within the elevator machine room. Signage shall be provided at the entry doors to the elevator machine room indicating "ELEVATOR MACHINERY – NO STORAGE ALLOWED."

**\*\*\*Section 903.2.4.2: change to read as follows:**

**903.2.4.2 Group F-1 distilled spirits.** An automatic sprinkler system shall be provided throughout a Group F-1 fire area used for the manufacture of distilled spirits involving more than 120 gallons of distilled spirits (>16% alcohol) in the fire area at any one time.

**\*\*\*Section 903.2.9.3: change to read as follows:**

**903.2.9.3 Group S-1 distilled spirits or wine.** An automatic sprinkler system shall be provided throughout a Group S-1 fire area used for the bulk storage of distilled spirits or wine involving more than 120 gallons

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of distilled spirits or wine (>16% alcohol) in the fire area at any one time.

**\*\*Section 903.2.9.4 and 903.2.9.5: delete Exception to 903.2.9.4 and add Section 903.2.9.5 to read as follows:**

**903.2.9.5 Self-Service Storage Facility.** An automatic sprinkler system shall be installed throughout all self-service storage facilities.

**Section 903.2.11: change 903.2.11.3 and add 903.2.11.7, 903.2.11.8, and 903.2.11.9 as follows:**

**903.2.11.3 Buildings ~~55~~ 35 feet or more in height.** An automatic sprinkler system shall be installed throughout buildings that have one or more stories ~~with an occupant load of 30 or more, other than penthouses in compliance with Section 1511 of the International Building Code, located 55~~ 35 feet (16 764 ~~10~~ 668 mm) or more above the lowest level of fire department vehicle access, measured to the finished floor.

**Exception:**

- ~~1. Occupancies in Group F-2.~~

**903.2.11.7 High-Piled Combustible Storage.** For any building with a clear height exceeding 12 feet (4572 mm), see Chapter 32 to determine if those provisions apply.

**903.2.11.8 Spray Booths and Rooms.** New and existing spray booths and spraying rooms shall be protected by an approved automatic fire-extinguishing system.

**903.2.11.9 Buildings Over 5,000 sq. ft.** An automatic sprinkler system shall be installed throughout all buildings with a building area 5,000 sq. ft. or greater and in all existing buildings that are enlarged to be 5,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

**Exception:** Open parking garages in compliance with Section 406.5 of the *International Building Code* where all of the following conditions apply:

- a. The structure is freestanding.
- b. The structure does not contain any mixed uses, accessory uses, storage rooms, electrical rooms, elevators or spaces used or occupied for anything other than motor vehicle parking.
- c. The structure does not exceed 3 stories.
- d. An approved fire apparatus access road is provided around the entire structure.

**Section 903.3.1.1.1: change to read as follows:**

**903.3.1.1.1 Exempt Locations.** When approved by the *fire code official*, automatic sprinklers shall not be required in the following rooms or areas where such ... {text unchanged} ... because it is damp, of fire-resistance-rated construction or contains electrical equipment.

1. Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.

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2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, where approved by the fire code official.
3. Generator and transformer rooms, under the direct control of a public utility, separated from the remainder of the building by walls and floor/ceiling or roof/ceiling assemblies having a fire-resistance rating of not less than 2 hours.
4. ~~Rooms or areas that are of noncombustible construction with wholly noncombustible contents.~~
5. ~~Fire service access~~ Elevator machine rooms, and machinery spaces, and hoist ways, other than pits where such sprinklers would not necessitate shunt trip requirements under any circumstances.

**\*\*\*Section 903.3.1.2: change to read as follows:**

**903.3.1.2 NFPA 13R sprinkler systems.** Automatic sprinkler systems in Group R occupancies shall be permitted to be installed throughout in accordance with NFPA 13R where the Group R occupancy meets all of the following conditions:

1. Four stories or less above grade plane.
2. The floor level of the highest story is 35 feet (10668 mm) or less above the lowest level of fire department vehicle access.
3. The floor level of the lowest story is 35 feet (10668 mm) or less below the lowest level of fire department vehicle access.

**\*\*\*Section 903.3.1.2.2: change to read as follows:**

**903.3.1.2.2 Corridors and balconies in the means of egress.** Sprinkler protection shall be provided in all corridors and for all balconies. ~~in the means of egress where any of the following conditions apply:~~  
{Delete the rest of this section.}

**\*\*Section 903.3.1.2.3: delete section and replace as follows:**

**Section 903.3.1.2.3 Attached Garages and Attics.** Sprinkler protection is required in attached garages, and in the following attic spaces:

1. Attics that are used or intended for living purposes or storage shall be protected by an automatic sprinkler system.
2. Where fuel-fired equipment is installed in an unsprinklered attic, not fewer than one quick-response intermediate temperature sprinkler shall be installed above the equipment.
3. Attic spaces of buildings that are two or more stories in height above grade plane or above the lowest level of fire department vehicle access.
4. Group R-4, Condition 2 occupancy attics not required by Item 1 or 3 to have sprinklers shall comply with one of the following:
  - 4.1. Provide automatic sprinkler system protection.
  - 4.2. Provide a heat detection system throughout the attic that is arranged to activate the building fire alarm system.
  - 4.3. Construct the attic using noncombustible materials.
  - 4.4. Construct the attic using fire-retardant-treated wood complying with Section 2303.2 of the International Building Code.
  - 4.5. Fill the attic with noncombustible insulation.

**\*\*Section 903.3.1.3: change to read as follows:**

**903.3.1.2 NFPA 13D Sprinkler Systems.** Automatic sprinkler systems installed in one- and two-family dwellings; Group R-3; Group R-4, Condition 1; and townhouses shall be permitted to be installed throughout

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in accordance with NFPA 13D or in accordance with state law.

**\*\*Section 903.3.1.4: add to read as follows:**

**903.3.1.3 Freeze protection.** Freeze protection systems for automatic fire sprinkler systems shall be in accordance with the requirements of the applicable referenced NFPA standard and this section.

**903.3.1.4.1 Attics.** Only dry-pipe, preaction, or listed antifreeze automatic fire sprinkler systems shall be allowed to protect attic spaces.

**Exception:** Wet-pipe fire sprinkler systems shall be allowed to protect non-ventilated attic spaces where:

1. The attic sprinklers are supplied by a separate floor control valve assembly to allow ease of draining the attic system without impairing sprinklers throughout the rest of the building, and
2. Adequate heat shall be provided for freeze protection as per the applicable referenced NFPA standard, and
3. The attic space is a part of the building's thermal, or heat, envelope, such that insulation is provided at the roof deck, rather than at the ceiling level.

**903.3.1.4.2 Heat trace/insulation.** Heat trace/insulation shall only be allowed where approved by the fire code official for small sections of large diameter water-filled pipe.

**\*\*Section 903.3.5: add a second paragraph to read as follows:**

Water supply as required for such systems shall be provided in conformance with the supply requirements of the respective NFPA standards; however, every water-based fire protection system shall be designed with a 10 psi safety factor. Reference Section 507.4 for additional design requirements.

**\*\*Section 903.4; add a second paragraph after the Exceptions to read as follows:**

Sprinkler and standpipe system water-flow detectors shall be provided for each floor tap to the sprinkler system and shall cause an alarm upon detection of water flow for more than 45 seconds. All control valves in the sprinkler and standpipe systems except for fire department hose connection valves shall be electrically supervised to initiate a supervisory signal at the central station upon tampering.

**\*\*Section 903.4.2: add second paragraph to read as follows:**

The alarm device required on the exterior of the building shall be a weatherproof horn/strobe notification appliance with a minimum 75 candela strobe rating, installed as close as practicable to the fire department connection.

**Section 903. 7 is hereby added to read as follows**

**Section 903. 7 Automatic Sprinkler System Room Access.** Sprinkler system risers providing protection for buildings with single tenant and multiple tenant spaces and/or occupancies shall be provided with a ground floor room directly accessible from the exterior of the building. The door

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must be labeled as the "RISER ROOM. The minimum size of the room shall be 36 sq. ft., with the minimum dimension being 6 ft. When approved by the Fire Code Official, smaller rooms may be permitted.

**\*\*Section 905.3.9: add to read as follows:**

**905.3.9 Buildings Exceeding 10,000 sq. ft.** In buildings exceeding 10,000 square feet in area per story and where any portion of the building's interior area is more than 200 feet (60960 mm) of travel, vertically and horizontally, from the nearest point of fire department vehicle access, Class I automatic wet or manual wet standpipes shall be provided.

**Exceptions:**

1. Automatic dry, semi-automatic dry, and manual dry standpipes are allowed as provided for in NFPA 14 where approved by the fire code official.
2. R-2 occupancies of four stories or less in height having no interior corridors.

**\*\*Section 905.4: change Items 1, 3, and 5, and add Item 7 to read as follows:**

1. In every required ~~interior~~ exit stairway, a hose connection shall be provided for each story above and below grade plane. Hose connections shall be located at an intermediate landing between stories, unless otherwise approved by the fire code official.  
**Exception:** {No change.}
2. {No change.}
3. In every exit passageway, at the entrance from the exit passageway to other areas of a building.  
**Exception:** Where floor areas adjacent to an exit passageway are reachable from an ~~interior~~ exit stairway hose connection by a {remainder of text unchanged}
4. {No change.}
5. Where the roof has a slope less than 4 units vertical in 12 units horizontal (33.3-percent slope), each standpipe shall be provided with a two-way a hose connection shall be located to serve the roof or at the highest landing of an ~~interior~~ exit stairway with stair access to the roof provided in accordance with Section 1011.12.
6. {No change.}
7. When required by this Chapter, standpipe connections shall be placed adjacent to all required exits to the structure and at two hundred feet (200') intervals along major corridors thereafter, or as otherwise approved by the fire code official.

**\*\*\*Section 905.8: change to read as follows:**

**905.8 Dry standpipes.** Dry standpipes shall not be installed.

**Exception:** Where subject to freezing and in accordance with NFPA 14. Additionally, manual dry standpipe systems shall be supervised with a minimum of 10 psig and a maximum of 40 psig air pressure with a high/low Supervisory alarm.

**\*\*Section 905.9: add a second paragraph after the exceptions to read as follows:**

Sprinkler and standpipe system water-flow detectors shall be provided for each floor tap to the sprinkler system and shall cause an alarm upon detection of water flow for more than 45 seconds. All control valves

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in the sprinkler and standpipe systems except for fire department hose connection valves shall be electrically supervised to initiate a supervisory signal at the central station upon tampering.

**\*\*\*Section 906.1(1): delete Exception 3 as follows:**

~~3. In storage areas of Group S occupancies where forklift, powered industrial truck or powered cart operators are the primary occupants, fixed extinguishers, as specified in NFPA 10, shall not be required where in accordance with all of the following:~~

- ~~3.1. Use of vehicle-mounted extinguishers shall be approved by the fire code official.~~
- ~~3.2. Each vehicle shall be equipped with a 10-pound, 40A:80B:C extinguisher affixed to the vehicle using a mounting bracket approved by the extinguisher manufacturer or the fire code official for vehicular use.~~
- ~~3.3. Not less than two spare extinguishers of equal or greater rating shall be available on-site to replace a discharged extinguisher.~~
- ~~3.4. Vehicle operators shall be trained in the proper operation, use and inspection of extinguishers.~~
- ~~3.5. Inspections of vehicle-mounted extinguishers shall be performed daily.~~

**\*\*Section 907.1.4: add to read as follows:**

**907.1.4 Design Standards.** Where a new fire alarm system is installed, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke detectors shall have analog initiating devices. Riser rooms shall be equipped with an annunciator panel.

**Exception:** Existing systems need not comply unless the total building remodel or expansion initiated after the effective date of this code, as adopted, exceeds 30% of the building. When cumulative building remodel or expansion exceeds 50% of the building, must comply within 18 months of permit application. This exception does not prohibit the need for new fire alarm devices on an existing system to be addressable.

**\*\*Section 907.2.1: change to read as follows:**

**907.2.1 Group A.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies ~~where the~~ having an occupant load ~~due to the assembly occupancy is of~~ 300 or more persons, or where the Group A occupant load is more than 100 persons above or below the *lowest level of exit discharge*. Group A occupancies not separated from one another in accordance with Section 707.3.10 of the *International Building Code* shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

**Exception:** {No change.}

Activation of fire alarm notification appliances shall:

1. Cause illumination of the *means of egress* with light of not less than 1 foot-candle (11 lux) at the walking surface level, and
2. Stop any conflicting or confusing sounds and visual distractions.



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**\*\*Section 907.2.3: change to read as follows:**

**907.2.3 Group E.** A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E educational occupancies. When *automatic sprinkler systems* or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. An approved smoke detection system shall be installed in Group E day care occupancies. Unless separated by a minimum of 100' open space, all buildings, whether portable buildings or the main building, will be considered one building for alarm occupant load consideration and interconnection of alarm systems.

**Exceptions:**

1. {No change.}

- 1.1. Residential In-Home day care with not more than 12 children may use interconnected single station detectors in all habitable rooms. (For care of more than five children 2 1/2 or less years of age, see Section 907.2.6.)

{No change to remainder of exceptions.}

**\*\*\*Section 907.2.10: change to read as follows:**

**907.2.10 Group S.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group S public- and self-storage occupancies ~~three stories or greater in height~~ for interior corridors and interior common areas. Visible notification appliances are not required within storage units.

Exception: {No change.}

**\*\*Section 907.2.13. Exception #3: change to read as follows:**

3. Open air portions of buildings with an occupancy in Group A-5 in accordance with Section 303.1 of the International Building Code; however, this exception does not apply to accessory uses including but not limited to sky boxes, restaurants, and similarly enclosed areas.

**\*\*Section 907.4.2.7: add to read as follows:**

**907.4.2.7 Type.** Manual alarm initiating devices shall be an approved double action type.

**907.5.3 is hereby added to read as follows:**

Occupant notification in accordance with this section and 907.5 shall be required for all new construction, or existing construction complying with the International Building Code, for renovations to existing buildings, tenant spaces, changes in occupancy, replacement or modification of the existing fire alarm system, or as required by the Fire Code Official, for all buildings or spaces provided with an approved automatic sprinkler system.

**\*\*Section 907.6.1.1: add to read as follows:**



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**907.6.1.1 Wiring Installation.** All fire alarm systems shall be installed in such a manner that a failure of any single initiating device or single open in an initiating circuit conductor will not interfere with the normal operation of other such devices. All signaling line circuits (SLC) shall be installed in such a way that a single open will not interfere with the operation of any addressable devices (Class A). Outgoing and return SLC conductors shall be installed in accordance with NFPA 72 requirements for Class A circuits and shall have a minimum of four feet separation horizontal and one foot vertical between supply and return circuit conductors. The initiating device circuit (IDC) from a signaling line circuit interface device may be wired Class B, provided the distance from the interface device to the initiating device is ten feet or less. All fire alarm wire jacket shall be RED in color. A contrasting color stripe may be incorporated for circuit identification provided the base color of the fire alarm wire jacket is RED.

**\*\*Section 907.6.3: delete all four Exceptions.**

**\*\*Section 907.6.6; add a sentence at end of a paragraph to read as follows:**

See 907.6.3 for the required information transmitted to the supervising station.

**907.6.6 is hereby added to read as follows**

**907.6.7 Waterflow Notification.** When required by Section 903.4.2, an exterior audible and visible notification device shall be provided on the exterior of the building and shall be located above the Fire Department Connection. The notification device shall operate on a water flow alarm only, shall be non-silenceable, and shall continue to operate after the panel is silenced on the condition the alarm was a water flow alarm only. The notification device shall be wired from the fire alarm control panel as a dedicated latching circuit. The minimum candela rating for the notification device shall be 75 (cd) candela.

**\*\*Section 910.2; change Exceptions #2 and 3 to read as follows:**

2. Only manual smoke and heat removal shall not be required in areas of buildings equipped with early suppression fast-response (ESFR) sprinklers. Automatic smoke and heat removal is prohibited.
3. Only manual smoke and heat removal shall not be required in areas of buildings equipped with control mode special application sprinklers with a response time index of  $50(m^2S)^{1/2}$  or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers. Automatic smoke and heat removal is prohibited.

**\*\*Section 910.2.3: add to read as follows:**

**910.2.3 Group H.** Buildings and portions thereof used as a Group H occupancy as follows:

1. In occupancies classified as Group H-2 or H-3, any of which are more than 15,000 squarefeet (1394 m<sup>2</sup>) in single floor area.

**Exception:** Buildings of noncombustible construction containing only noncombustible materials.

2. In areas of buildings in Group H used for storing Class 2, 3, and 4 liquid and solid oxidizers, Class

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1 and unclassified detonable organic peroxides, Class 3 and 4 unstable (reactive) materials, or Class 2 or 3 water-reactive materials as required for a high-hazard commodity classification.

**Exception:** Buildings of noncombustible construction containing only noncombustible materials.

**\*\*Section 910.4.3.1: change to read as follows:**

**910.4.3.1 Makeup Air.** Makeup air openings shall be provided within 6 feet (1829 mm) of the floor level. Operation of makeup air openings shall be ~~manual or~~ automatic. The minimum gross area of makeup air inlets shall be 8 square feet per 1,000 cubic feet per minute (0.74 m<sup>2</sup> per 0.4719 m<sup>3</sup>/s) of smoke exhaust.

**\*\*Section 912.2.3: add to read as follows:**

**912.2.3 Hydrant Distance.** An approved fire hydrant shall be located within 100 feet of the fire department connection as the fire hose lays along an unobstructed path.

**\*\*Section 913.2.1: add second paragraph and exception to read as follows:**

When located on the ground level at an exterior wall, the fire pump room shall be provided with an exterior fire department access door that is not less than 3 ft. in width and 6 ft. – 8 in. in height, regardless of any interior doors that are provided. A key box shall be provided at this door, as required by Section 506.1.

**Exception:** When it is necessary to locate the fire pump room on other levels or not at an exterior wall, the corridor leading to the fire pump room access from the exterior of the building shall be provided with equivalent fire resistance as that required for the pump room, or as approved by the *fire code official*. Access keys shall be provided in the key box as required by Section 506.1.

**\*\*Section 914.3.1.2: change to read as follows:**

**914.3.1.2 Water Supply to required Fire Pumps.** In all buildings that are more than 420 120 feet (428 36.6 m) in *building height*, ~~and buildings of Type IVA and IVB construction that are more than 120 feet (36.6 m) in building height~~, required fire pumps shall be supplied by connections to no fewer than two water mains located in different streets. Separate supply piping shall be provided between each connection to the water main and the pumps. Each connection and the supply piping between the connection and the pumps shall be sized to supply the flow and pressure required for the pumps to operate.

**Exception:** {No change to exception.}

**\*\*\*Section 1006.2.1: change Exception #3 to read as follows:**

**1006.2.1 Egress based on occupant load and common path of egress travel distance.** Two exits or exit doorways from any space shall be provided where the design occupant load or the common path of egress travel distance exceeds the values listed in Table 1006.2.1. The cumulative occupant load from adjacent rooms, areas or space shall be determined in accordance with Section 1004.2.

**Exceptions:**

1. {No change.}
2. {No change.}

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3. Unoccupied rooftop mechanical rooms and penthouses are not required to comply with the common path of egress travel distance measurement.

**\*\*Section 1009.8: add Exception #7 to read as follows:**

**Exceptions:**

1. through 6. {No change.}
7. Buildings regulated under State Law and built in accordance with State registered plans, including variances or waivers granted by the State, shall be deemed to be in compliance with the requirements of Section 1009 and Chapter 11.

**\*\*Section 1010.2.5: change Exceptions #3 and 4 to read as follows:**

**Exceptions:**

1. {No change.}
2. {No change.}
3. Where a pair of doors serves an occupant load of less than 50 persons in a Group B, F, M or S occupancy. (remainder unchanged)
4. Where a pair of doors serves a Group A, B, F, M or S occupancy (remainder unchanged)
5. {No change.}
- 6.

**\*\*Section 1020.2: add Exception #6 to read as follows:**

**Exceptions:**

1. through 5. {No change.}
6. In unsprinklered group B occupancies, corridor walls and ceilings need not be of fire-resistive construction within a single tenant space when the space is equipped with approved automatic smoke-detection within the corridor. The actuation of any detector must activate self-annunciating alarms audible in all areas within the corridor. Smoke detectors must be connected to an approved automatic fire alarm system where such system is provided.

**\*\*\*Section 1030.1.1.1: add Exception#4 to read as follows:**

**Exceptions:**

- through 3. {No change}
4. Where alternate means or methods are submitted to and approved by the Building and Fire Officials.

**\*\*Section 1032.2: change to read as follows:**

1. **1032.2 Reliability.** Required exit accesses, exits and exit discharges shall be continuously maintained free from obstructions or impediments to full instant use in the case of fire or other emergency where the building area served by the means of egress is occupied. An exit or exit passageway shall not be used for any purpose that interferes with a means of egress.

**\*\*Section 1103.3: add sentence to end of paragraph as follows:**

Provide emergency signage as required by Section 604.4.

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**\*\*Section 1103.5.1: add sentence to read as follows:**

Fire sprinkler system installation shall be completed within 24 months from date of notification by the fire code official.

**\*\*Section 1103.5.6: add to read as follows:**

**1103.5.6 Spray Booths and Rooms.** Existing spray booths and spray rooms shall be protected by an approved automatic fire-extinguishing system in accordance with Section 2404

**\*\*Section 1103.7.7; add to read as follows:**

**1103.7.7 Fire Alarm System Design Standards.** Where an existing fire alarm system is upgraded or replaced, the devices shall be addressable. Fire alarm systems utilizing more than 20 smoke and/or heat detectors shall have analog initiating devices.

**Exception:** Existing systems need not comply unless the total building, or fire alarm system, remodel or expansion exceeds 30% of the building. When cumulative building, or fire alarm system, remodel or expansion initiated after the date of original fire alarm panel installation exceeds 50% of the building, or fire alarm system, the fire alarm system must comply within 18 months of permit application.

**1103.7.7.1 Communication requirements.** Refer to Section 907.6.6 for applicable requirements.

**\*\*\*Section 1203: change and add to read as follows:**

**1203.1.1** {No change.}

**1203.1.2** {No change.}

**1203.1.3 Installation.** Emergency power systems and standby power systems shall be installed in accordance with the *International Building Code*, NFPA 70, NFPA 110 and NFPA 111. Existing installations shall be maintained in accordance with the original approval, except as specified in Chapter 11.

**1203.1.4** {No change.}

**1203.1.5 Load Duration.** Emergency power systems and standby power systems shall be designed to provide the required power for a minimum duration of 2 hours without being refueled or recharged, unless specified otherwise in this code.

**Exception:** Where the system is supplied with natural gas from a utility provider and is approved.

**1203.1.6 through 1203.1.9** {No changes to these sections.}

**1203.1.10 Critical Operations Power Systems (COPS).** For Critical Operations Power Systems necessary to maintain continuous power supply to facilities or parts of facilities that require continuous operation for the reasons of public safety, emergency management, national security, or business continuity, see NFPA 70.

**1203.2 Where Required.** Emergency and standby power systems shall be provided where required by

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Sections 1203.2.1 through 1203.2.4~~826~~ or elsewhere identified in this code or any other referenced code.  
**1203.2.1 through 1203.2.3** {No change.}

**1203.2.4 Emergency Voice/alarm Communications Systems.** Emergency power shall be provided for emergency voice/alarm communications systems in the following occupancies, or as specified elsewhere in this code, as required in Section 907.5.2.2.5. The system shall be capable of powering the required load for a duration of not less than 24 hours, as required in NFPA 72.

Covered and Open Malls, Section 907.2.20 and 914.2

Group A Occupancies, Sections 907.2.1 and 907.5.2.2

Special Amusement Areas, Section 907.2.12 and 914.7

High-rise Buildings, Section 907.2.13 and 914.3

Atriums, Section 907.2.14 and 914.4

Deep Underground Buildings, Section 907.2.19 and 914.5

**1203.2.5 through 1203.2.14** {No change.}

**1203.2.15 Means of Egress Illumination.** Emergency power shall be provided for *means of egress* illumination in accordance with Sections 1008.3 and 1104.5.1. (90 minutes)

**1203.2.16 Membrane Structures.** Emergency power shall be provided for *exit* signs in temporary tents and membrane structures in accordance with Section 3103.12.6. (90 minutes) Standby power shall be provided for auxiliary inflation systems in permanent membrane structures in accordance with Section 2702

of the *International Building Code*. (4 hours) Auxiliary inflation systems shall be provided in temporary air-supported and air-inflated membrane structures in accordance with section 3103.10.4.

**1203.2.17** {No change.}

**1203.2.18 Smoke Control Systems.** Standby power shall be provided for smoke control systems in the following occupancies, or as specified elsewhere in this code, as required in Section 909.11:

Covered Mall Building, *International Building Code*, Section 402.7

Atriums, *International Building Code*, Section 404.7

Underground Buildings, *International Building Code*, Section 405.8

Group I-3, *International Building Code*, Section 408.4.2

Stages, *International Building Code*, Section 410

Special Amusement Areas (as applicable to Group A's), *International Building Code*, Section 411

Smoke Protected Seating, Section 1030.6.2

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**1203.2.19** {No change.}

**1203.2.20 Covered and Open Mall Buildings.** Emergency power shall be provided in accordance with Section 907.2.20 and 914.2.

**1203.2.21 Airport Traffic Control Towers.** A standby power system shall be provided in airport traffic control towers more than 65 ft. in height. Power shall be provided to the following equipment:

1. Pressurization equipment, mechanical equipment and lighting.
2. Elevator operating equipment.
3. Fire alarm and smoke detection systems.

**1203.2.22 Smokeproof Enclosures and Stair Pressurization Alternative.** Standby power shall be provided for smokeproof enclosures, stair pressurization alternative and associated automatic fire detection systems as required by the *International Building Code*, Section 909.20.7.2.

**1203.2.23 Elevator Pressurization.** Standby power shall be provided for elevator pressurization system as required by the *International Building Code*, Section 909.21.5.

**1203.2.24 Elimination of Smoke Dampers in Shaft Penetrations.** Standby power shall be provided when eliminating the smoke dampers in ducts penetrating shafts in accordance with the *International Building Code*, Section 717.5.3, exception 2.3.

**1203.2.25 Common Exhaust Systems for Clothes Dryers.** Standby power shall be provided for common exhaust systems for clothes dryers located in multistory structures in accordance with the *International Mechanical Code*, Section 504.11, Item 7.

**1203.2.26 Means of Egress Illumination in Existing Buildings.** Emergency power shall be provided for means of egress illumination in accordance with Section 1104.5 when required by the fire code official. (90 minutes in I-2, 60 minutes elsewhere.)

**1203.3 through 1203.6** {No change.}

**\*\*Section 2304.1; change to read as follows:**

**2304.1 Supervision of Dispensing.** The dispensing of fuel at motor fuel-dispensing facilities shall be conducted by a qualified attendant or shall be under the supervision of a qualified attendant at all times or shall be in accordance with Section 2204.3: the following:

1. Conducted by a qualified attendant; and/or,
2. Shall be under the supervision of a qualified attendant; and/or
3. Shall be an unattended self-service facility in accordance with Section 2304.3.

At any time, the qualified attendant of item Number 1 or 2 above is not present, such operations shall be considered as an unattended self-service facility and shall also comply with Section 2304.3.

**\*\*Section 2401.2; delete this section in its entirety.**

**Section 2411; add Section 2411 to read as follows:**

**2411.1 Seizure of Spray Finishing Equipment.** When it is found or discovered that spray finishing operations are being conducted outside of, or without an approved spraying room or booth equipped with an approved fire extinguishing system, the Fire Marshal / Fire Chief or representative shall be authorized to obtain a warrant to seize, take or remove or cause to be removed at the expense of the owner any spray gun nozzles, compressors, hoses, attachments, property or any other tool, device, instrument or any item(s) used in the spray finishing process. Seizure of equipment will be made in accordance with applicable laws.

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Mere possession of spray finishing equipment outside of or without an approved spraying room or booth with an approved fire extinguishing system may not be grounds for seizure. However, if it can be determined through observation and investigation that such equipment has been used in a spray finishing operation, the equipment can be seized as stated above. This determination should be based on signs that a hazardous condition exists by means of fumes or vapors present in the vicinity and/or evidence that finishing has occurred by observance of wet paint and/or over spray.

2411.2 Disposition of Seized Spray Finishing Equipment. Property seized under authority granted by Section 1501.3 shall be held until all legal proceedings in the matter have been resolved. If a criminal case was filed, the property shall be held until a final conviction has been entered in the case. The Fire Department shall dispose of the property as required by applicable law and procedures of the City of Crowley and the State of Texas. Disposition could include, but is not limited to, auctioning off the equipment or releasing the equipment back to the owner.

***\*\*Section 3103.3.1; delete this section in its entirety***

***\*\*Table 3206.2, footnote h; change text to read as follows:***

- h. ~~Not required~~ Where storage areas are protected by either early suppression fast response (ESFR) sprinkler systems or control mode special application sprinklers with a response time index of 50 (m • s) 1/2 or less that are listed to control a fire in the stored commodities with 12 or fewer sprinklers, installed in accordance with NFPA 13, manual smoke and heat vents or manually activated engineered mechanical smoke exhaust systems shall be required within these areas.

***\*\*Table 3206.2; add footnote j to row titled 'High Hazard' and 'Greater than 300,000' to read as follows:***

- j. High hazard high-piled storage areas shall not exceed 500,000 square feet. A 2-hour fire wall constructed in accordance with Section 706 of the *International Building Code* shall be used to divide high-piled storage exceeding 500,000 square feet in area.

***\*\*\*Section 3311.1; change to read as follows:***

**Section 3311.1 Required access.** Approved vehicle access for firefighting and emergency response shall be provided to all construction or demolition sites. Vehicle access shall be provided to within 400 50 feet (30 480 15 240 mm) of temporary or permanent fire department connections. Vehicle access shall be provided by permanent roads, capable of supporting vehicle loading under all weather conditions. Vehicle access shall be maintained. When fire apparatus access roads are required to be installed for any structure or development access shall be approved prior to the time when construction has progressed beyond the completion of the foundation of any structure. Whenever the connection is not visible to approaching fire apparatus, the fire department connection shall be indicated by an *approved* sign.

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***\*\*Section 5601.1.3; change to read as follows:***

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

**Exceptions:**

1. Only when approved for fireworks displays, the storage and handling of fireworks as allowed in Section 5604 and 5608.
2. ~~Manufacture, assembly and testing of fireworks as allowed in Section 5605.~~
3. The use of fireworks for approved fireworks displays as allowed in Section 5608.
4. ~~Delete the remainder of the text.~~

***\*\*Section 5703.6; add sentence to end of paragraph to read as follows:***

An approved method of secondary containment shall be provided for underground tank and piping systems.

***\*\*Section 5704.2.11.4; change to read as follows:***

**5704.2.11.4 Leak Prevention.** Leak prevention for underground tanks shall comply with Sections 5704.2.11.4.1 ~~and 5704.2.11.4.2~~ through 5704.2.11.4.3. An approved method of secondary containment shall be provided for underground tank and piping systems.

***\*\*Section 5704.2.11.4.2; change to read as follows:***

**5704.2.11.4.2 Leak Detection.** Underground storage tank systems shall be provided with an *approved* method of leak detection from any component of the system that is designed and installed in accordance with NFPA 30 and as specified in Section 5704.2.11.4.3.

***\*\*Section 5704.2.11.4.3; add to read as follows:***

**5704.2.11.4.3 Observation Wells.** Approved sampling tubes of a minimum 4 inches in diameter shall be installed in the backfill material of each underground flammable or combustible liquid storage tank. The tubes shall extend from a point 12 inches below the average grade of the excavation to ground level and shall be provided with suitable surface access caps. Each tank site shall provide a sampling tube at the corners of the excavation with a minimum of 4 tubes. Sampling tubes shall be placed in the product line excavation within 10 feet of the tank excavation and one every 50 feet routed along product lines towards the dispensers, a minimum of two are required.

***\*\*Section 5707.4; add paragraph to read as follows:***

Mobile fueling sites shall be restricted to commercial, industrial, governmental, or manufacturing, where the parking area having such operations is primarily intended for employee vehicles. Mobile fueling shall be conducted for fleet fueling or employee vehicles only, not the general public. Commercial sites shall be restricted to office-type or similar occupancies that are not primarily intended for use by the public.

***\*\*Section 6103.2.1.8; add to read as follows:***



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**6103.2.1.8 Jewelry Repair, Dental Labs and Similar Occupancies.** Where natural gas service is not available, portable LP-Gas containers are allowed to be used to supply approved torch assemblies or similar appliances. Such containers shall not exceed 20-pound (9.0 kg) water capacity. Aggregate capacity shall not exceed 60-pound (27.2 kg) water capacity. Each device shall be separated from other containers by a distance of not less than 20 feet.

***\*\*Section 6104.2; add Exception 2. to read as follows:***

**Exceptions:**

1. {existing text unchanged}
2. Except as permitted in Sections 308 and 6104.3.3, LP-gas containers are not permitted in residential areas.

***\*\*Section 6104.3.3; add to read as follows:***

**6104.3.3 Spas, Pool Heaters, and Other Listed Devices.** Where natural gas service is not available, an LP-gas container is allowed to be used to supply spa and pool heaters or other listed devices. Such container shall not exceed 250-gallon water capacity per lot. See Table 6104.3 for location of containers.

**Exception:** Lots where LP-gas can be off-loaded wholly on the property where the tank is located may install up to 500 gallon above ground or 1,000 gallon underground approved containers.

***\*\*Section 6107.4 and 6109.13; change to read as follows:***

**6107.4 Protecting Containers from Vehicles.** Where exposed to vehicular damage due to proximity to alleys, driveways or parking areas, LP-gas containers, regulators and piping shall be protected in accordance with ~~NFPA 58~~ Section 312.

**6109.13 Protection of Containers.** LP-gas containers shall be stored within a suitable enclosure or otherwise protected against tampering. Vehicle impact protection shall be provided as required by Section 6107.4.

**Exception:** ~~Vehicle impact protection shall not be required for protection of LP-gas containers where the containers are kept in lockable, ventilated cabinets of metal construction.~~

***\*\*{Appendix B Fire-Flow Requirements for Buildings amendments}***

***\*\*Table B105.2; change footnote a. to read as follows:***

- a. The reduced fire-flow shall be not less than ~~4,000~~ 1,500 gallons per minute.

***\*\*\*{Appendix D Fire Apparatus Access Roads amendments}***

***\*\*\*Section D102.1; change to read as follows:***

**D102.1 Access and loading.** Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an *approved* fire apparatus access road with a concrete or other *approved* driving surface capable of supporting the imposed load of fire apparatus weighing up to ~~75,000~~ 85,000 pounds (~~34,050~~ 38,556 kg).

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\*\*\*Section D103.4; change to read as follows:

**D103.4 Dead ends.** Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with width and turnaround provisions in accordance with Table D103.4.

**TABLE D103.4**  
**REQUIREMENTS FOR DEAD-END FIRE APPARATUS ACCESS ROADS**

LENGTH (feet)	WIDTH (feet)	TURNAROUNDS REQUIRED
0–150	<del>20</del> <u>24</u>	None required
151–500	<del>20</del> <u>24</u>	120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1
501–750	26	120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1
Over 750		Special approval required

For SI: 1 foot = 304.8 mm.

\*\*\*Section D103.5; change Item 1 to read as follows:

**D103.5 Fire apparatus access road gates.** Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than ~~20~~ 24 feet (~~6096~~ 7315.2 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm).

\*\*\*Section D103.6; change to read as follows:

**D103.6 Signs.** ~~Marking.~~ Striping, signs, or other markings, when approved by the *fire code official*, shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. Striping, signs and other markings shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility.

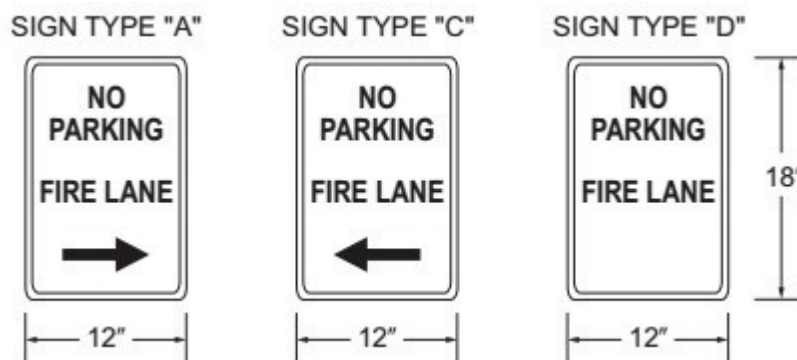
**(1) Striping** – Fire apparatus access roads shall be continuously marked by painted lines of red traffic paint six inches (6”) in width to show the boundaries of the lane. The words “NO PARKING FIRE LANE” or “FIRE LANE NO PARKING” shall appear in four inch (4”) white letters at 25 feet intervals on the red border markings along both sides of the fire lanes. Where a curb is available, the striping shall be on the vertical face of the curb.

**(2) Signs** – Signs shall read “NO PARKING FIRE LANE” or “FIRE LANE NO PARKING” and shall be 12” wide and 18” high (See Figure D103.6). Signs shall have red letters on a white reflective

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background, using not less than 2" lettering. Signs shall be permanently affixed to a stationary post and the bottom of the sign shall be six feet, six inches (6'6") above finished grade. Signs shall be spaced not more than fifty feet (50') apart along both sides of the fire lane. Signs may be installed on permanent buildings or walls or as approved by the Fire Chief.

~~Where required by the fire code official, fire apparatus access roads shall be marked with permanent "NO PARKING — FIRE LANE" signs complying with Figure D103.6, or other approved method. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.~~



**FIGURE D103.6  
FIRE LANE SIGNS**

**\*\*\*Section D103.6.1 and D103.6.2; delete sections as follows:**

~~**D103.6.1 Roads 20 to 26 feet in width.** Fire lane signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide (6096 to 7925 mm).~~

~~**D103.6.2 Roads more than 26 feet in width.** Fire lane signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads more than 26 feet wide (7925 mm) and less than 32 feet wide (9754 mm).~~

**\*\*\*Section D104.3; change to read as follows:**

**D104.3 Remoteness.** Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses, or as approved by the fire code official.

**\*\*\*Section D105.3; change to read as follows:**

**D105.3 Proximity to building.** Unless otherwise approved by the fire code official, one or more of the required access routes meeting this condition shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the fire code official.

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**\*\*\*Section D106.3; change to read as follows:**

**D106.3 Remoteness.** Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses, or as approved by the fire code official.

**\*\*\*Section D107.2; change to read as follows:**

**D107.2 Remoteness.** Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses, or as approved by the fire code official.

**\*\*\*{Appendix L Requirements For Fire Fighter Air Replenishment Systems amendments}**

**\*\*\*Section L101.1; change to read as follows:**

**Section L101.1 Scope.** Fire fighter air replenishment systems (FARS) shall be provided in accordance with this appendix in new buildings when any of the following conditions occur:

1. Any new building 5 or more stories in height.
2. Any new building with 2 or more floors below grade.
3. Any new building 500,000 square feet or more in size.

Each stairwell shall have a supply riser. SCBA fill panels shall be located on odd-numbered floors commencing at the first level in the primary stairwell and on even-numbered floors commencing at level 2 in the remaining stairwells. Fill panels in buildings over 500,000 square feet shall be located adjacent to each standpipe connection.

~~The adopting ordinance shall specify building characteristics or special hazards that establish thresholds triggering a requirement for the installation of a FARS. The requirement shall be based on the fire department's capability of replenishing fire fighter breathing air during sustained emergency operations. Considerations shall include:~~

- ~~1. Building characteristics, such as number of stories above or below grade plane, floor area, type of construction and fire resistance of the primary structural frame to allow sustained fire-fighting operations, based on a rating of not less than 2 hours.~~
- ~~2. Special hazards, other than buildings, that require unique accommodations to allow the fire department to replenish fire fighter breathing air.~~
- ~~3. Fire department staffing level.~~
- ~~4. Availability of a fire department breathing air replenishment vehicle.~~

**\*\*\*Section L104.13.1; delete this section in its entirety.**

**\*\*\*Section L104.14; add paragraph to read as follows:**

The external mobile air connection shall be located with approved separation from the Fire Department Connection (FDC) to allow the functionality of both devices by first responders; shall be visible from and within 50 ft. of a fire apparatus access road along an unobstructed path; and shall be located in an approved signed secured cabinet.

**END**

## Background and Description of Proposed Amendments to Appendix AK of IRC

- The IBC includes regulations on sound transmission prevention in the standard code book. For the IRC, these regulations are included in an appendix that has to be adopted separately, rather than the standard code book. In both these documents, the sound transmission regulations are considered the bare minimum for a structure to be habitable.
- In order to provide information on better standards for sound transmission regulations, the ICC published a guideline on acoustics regulations, *G2 – Guideline for Acoustics* in 2010, which “recommend[s] suitable sound isolation performance for construction systems that separate occupied spaces in commercial and multiple-family buildings [including condominiums]...”
- The guideline states that the sound transmission regulations in building codes are “insufficient to meet occupant needs.” Staff were referred to this guideline by a representative from an acoustical consulting firm who stated that the minimum requirements in the building code are probably not acceptable for most people.

Building codes provide sound transmission – or rather, sound blocking – regulations in two categories, airborne sound and structure-borne sound. The airborne sound regulations state that building construction must meet either a minimum Sound Transmission Class (STC) rating or Normalized Noise Isolation Class (NNIC), depending on whether the materials are laboratory-tested or field-tested for compliance. The structure-borne sound regulations are given as an Impact Insulation Class (IIC) for lab-tested materials and Normalized Impact Sound Rating (NISR) for field-tested.

The ICC conducted research including surveys in order to prepare the *Guideline for Acoustics*. Their research concluded that “a large percentage of people are highly annoyed by noises from their neighbors, leading to a reduced quality of life and possibly to negative health effects.” Other research confirms the negative health effects of noise pollution, demonstrating that it can cause “psychological, cardiovascular, and other health disorders,” as well as cognitive impairment in children.

The guideline quotes a study from Great Britain that notes, “it is only when sound isolation is approximately...STC 55 or greater that sound isolation is effective in minimizing the negative effects on residents...STC 55 is therefore recommended as a realistic goal for acceptable sound isolation and...STC 60 as a more ideal goal that would practically eliminate the negative effects of neighbour’s noises.”

The ICC bulletin provides two sets of recommended ratings – Acceptable Performance (Grade B) and Preferred Performance (Grade A), as shown in the tables below. The recommendations in the two tables are based on whether the materials to be used in building construction are tested for noise reduction in a laboratory setting before installation or whether they are tested after installation (“field testing”).

Laboratory Sound Rating	Acceptable Performance (Grade B Performance)	Preferred Performance (Grade A Performance)
Airborne Noise (STC per ASTM E 90)	55	60
Impact Noise (IIC per E 492)	55	60

Field Sound Rating	Acceptable Performance (Grade B Performance)	Preferred Performance (Grade A Performance)
Airborne Noise (NNIC per ASTM E 336)	52	57
Impact Noise (NISR per ASTM E 1007)	52	57

To help ensure higher quality multifamily projects and to make the Karis PD regulations enforceable, staff recommend adopting the amendments shown below for the 2021 IRC Appendix AK (and similar amendments for the IBC). The proposed amendments **do not change** the sound transmission regulations published in Appendix AK for single family detached homes.

## IRC Appendix K, Section AK101 Airborne Sound

### AK102.1 General

Airborne sound insulation for wall and floor-ceiling assemblies shall meet a sound transmission class (STC) rating of 45 (townhouses and other attached dwelling units shall meet an STC rating of 58) where tested in accordance with ASTM E90 or a Normalized Noise Isolation Class (NNIC) rating of 42 (or 57 for townhouses or attached dwelling units) where tested in accordance with ASTM E336. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. Dwelling unit entrance doors, which share a common space, shall be tight fitting to the frame and sill.

## Section AK103 Structural-Borne Sound

### AK103.1 General

Floor/ceiling assemblies between dwelling units, or between a dwelling unit and a public or service area within a structure, shall have an impact insulation class (IIC) rating of not less than 45 (60 for townhouses) when tested in accordance with ASTM E492 or a Normalized Impact Sound Rating (NISR) of 42 (57 for townhouses) where tested in accordance with ASTM E1007.

**Commented [RR1]:** ICC says this should be at least 55 for Grade B performance, and should be 60 for Grade A performance.

**Commented [RR2]:** NOTE: ASTM E 90 indicates lab-tested  
ASTM E 336 indicates field-tested

**Commented [RR3]:** ICC says NNIC of 52 is for Grade B performance, and 57 is for Grade A performance (which ICC says is preferred). ICC gives the same numbers for NISR.

**Commented [RR4]:** In the ICC bulletin, the preferred standard for NNIC tested per ASTM E 336 is 57. Grade B is 52.

**Commented [RR5]:** NOTE: ASTM E 492 indicates lab-tested  
ASTM E 1007 indicates field-tested

**Commented [RR6]:** ICC says this (rating per E 492) should be at least 55 for Grade B performance

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## IBC

### 1206.2 Airborne sound

Walls, partitions, and floor-ceiling assemblies separating dwelling units and sleeping units from each other or from public or service areas shall have a sound transmission class of not less than ~~50~~ ~~60, or not less than 45 if field tested~~, for airborne noise where tested in accordance with ASTM E 90 or having a Normalized Noise Isolation Class (NNIC) rating of not less than 57 if field tested, in accordance with ASTM E336 for airborne noise. Alternatively, the sound transmission class of walls, partitions and floor-ceiling assemblies shall be established by engineering analysis based on a comparison of walls, partitions and floor-ceiling assemblies having sound transmission class ratings as determined by the test procedures set forth in ASTM E90. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating or exhaust ducts shall be sealed, lined, insulated or otherwise treated to maintain the required ratings. This requirement shall not apply to entrance doors; however, such doors shall be tight fitting to the frame and sill.

### 1206.3 Structure-borne sound

Floor-ceiling assemblies between dwelling units and sleeping units or between a dwelling unit or sleeping unit and a public or service area within the structure shall have an impact insulation class rating of not less than ~~50, or not less than 45 if field tested~~, 60 where tested in accordance with ASTM E492, or have a Normalized Impact Sound Rating (NISR) of not less than 57 if field tested in accordance with ASTM E1007. Alternatively, the impact insulation class of floor-ceiling assemblies shall be established by engineering analysis based on a comparison of floor-ceiling assemblies having impact insulation class ratings as determined by the test procedures in ASTM E492.

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## SOURCES

- ICC G2 – *Guideline for Acoustics*: <https://codes.iccsafe.org/content/iccg22010/icc-g2-2010-acoustics>
- “The Other Type of Car Pollution That Harms Us All,” Kea Wilson, Sept. 14, 2020. <https://usa.streetsblog.org/2020/09/14/the-other-type-of-car-pollution-that-harms-us-all/>
- [https://www.eea.europa.eu/articles/noise-pollution-is-a-major#:~:text=However%2C%20noise%20seems%20to%20have,air%20pollution%20\(particulate%20matter\)](https://www.eea.europa.eu/articles/noise-pollution-is-a-major#:~:text=However%2C%20noise%20seems%20to%20have,air%20pollution%20(particulate%20matter).).
- <https://highways.dot.gov/public-roads/julyaugust-2003/living-noise>
- January 2007 issue of *Acoustics Today*. An article included in this edition categorizes the building code minimum STC/IIC ratings as “minimum quality” and encourages aiming for design that is at least “medium quality” (STC 60 / 55 if field tested, IIC 65 / 60 if field tested).

# The Building Code Effectiveness Grading Schedule

Explaining the need for fire and building codes to business owners and property managers can sometimes be difficult or even confrontational. Business owners, for example, may be hesitant to make necessary changes that meet code requirements due to financial reasons. Property managers may be forced to balance scheduled maintenance costs against additional costs for code compliancy.

One thing that will help you with your conversations during inspections is to prepare yourself to explain — in clear, simple terms — how your local code process works and how it ultimately benefits everyone in the community.

Clearly communicating these benefits to your community increases the likelihood of code compliance. After all, everyone wants a property resilient to damage, free from lawsuits, and with lower insurance costs, right?

## The Building Code Effectiveness Grading Schedule

One program you should be familiar with and be able to explain during inspections is the Insurance Services Office's (ISO) Building Code Effectiveness Grading Schedule (BCEGS®). This program, which influences your local fire and building codes, is used by the ISO to evaluate how communities enforce their codes through plan reviews and field inspections.

The BCEGS program assigns each community a classification from 1 (exemplary commitment to fire and building code enforcement) to 10. Like the Public Protection Classification, a community with a better BCEGS classification could have lower insurance rates.

## How communities are classified

A community's BCEGS classification is based on the following:

Current fire and building codes.

The BCEGS program awards more points to communities that adopt current fire and building codes. Current codes provide the most modern technology for fire and natural hazard mitigation.

Retention of the code's structural provisions.

The BCEGS program encourages a community to keep the intent of the structural provisions of the fire and building codes intact by assigning the maximum points when structural provisions of the codes are unamended.

Code official qualifications.



A community can get the maximum benefit when the codes are enforced by well-qualified fire and building officials and by certified and properly trained code enforcers. The schedule provides credit for qualified code enforcers when they are employed by the community.

#### Contractor qualifications.

Contractors and builders play an integral role in the quality of construction. The BCEGS program allocates points in recognition that licensing and bonding are steps in the direction of regulating the quality of contractors and builders in the marketplace.

#### Public awareness programs.

These programs play a role in building a more resilient community. The BCEGS program encourages code officials to make the community aware of fire and building safety. This section represents 54 percent of the analysis in the BCEGS program.

## **Messages to share about how fire and building codes benefit your community**

Through rigorous enforcement of fire and building codes, businesses can:

Lessen damage from fire and natural hazards.

Achieve lower insurance costs.

Avoid criminal or civil lawsuits.

Prevent loss of revenue or loss of the business entirely.

These are incentives you should stress during your inspections. The BCEGS program helps businesses in your community to achieve them.

## **BCEGS program background**

The ISO developed the BCEGS in the early 1990s with significant input from the three model building code groups — the International Conference of Building Officials, the Southern Building Code Congress International, and the Building Officials and Code Administrators International — and with responses to surveys sent to more than 7,500 building officials countrywide. The ISO implemented the program in 1995. To date, the ISO has reviewed more than 15,000 fire and building code enforcement departments across the country.

## **Action step to learn more about the BCEGS program**

For more information about the BCEGS program, including the ISO's upcoming plan to review and update the criteria in BCEGS, [visit the ISO website](#)



## Crowley City Council

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### AGENDA REPORT

**Meeting Date:** May 18, 2023

**Agenda Item:** VII-1

**Staff Contact:** Carol C. Konhauser  
City Secretary

**E-mail:** [ckonhauser@ci.crowley.tx.us](mailto:ckonhauser@ci.crowley.tx.us)

**Phone:** 817-297-2201-X 4000

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**SUBJECT:** Discuss and elect a Mayor Pro-Tempore pursuant to the City of Crowley Home Rule Charter, Section 3.03.

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#### **BACKGROUND/DISCUSSION**

Pursuant to the City of Crowley Home Rule Charter, Section 3.03 the Council shall elect, at the first regularly scheduled Council meeting following an election, from among its council members, a Mayor Pro Tempore, who shall act as Mayor during the absence or disability of the Mayor or during a time that the office is vacated.

May 2022-May 2023 Johnny Shotwell

May 2021-May 2022 Jesse Johnson

Jan 2021- May 2021 Carl Weber

May 2019-Jan 2021 Jerry Beck

May 2018-May 2019 Johnny Shotwell

#### **FINANCIAL IMPACT**

None

#### **RECOMMENDATION**

Council action is required by nomination and voting for a Mayor Pro Tempore.

#### **ATTACHMENTS**

- None



## Crowley City Council

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### AGENDA REPORT

**Meeting Date:** May 18, 2023

**Agenda Item:** VII-2

**Staff Contact:** Carol C. Konhauser  
City Secretary

**E-mail:** [ckonhauser@ci.crowley.tx.us](mailto:ckonhauser@ci.crowley.tx.us)

**Phone:** 817-297-2201-X 4000

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**SUBJECT:** Discuss and consider a special event permit application submitted by Turning Point Church to hold a summer worship series in Bicentennial Park on one (1) Saturday each month for May, Jun, July, August, and September 2023.

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#### **BACKGROUND/DISCUSSION**

Ms Leticia Salas from Turning Point Church submitted a special event permit application requesting to hold a Summer Workshop Series in Bicentennial Park on the below listed days. The requestor is asking to set up tables in front of the stage to conduct outreach ministries, as well as, sell crafts, baked goods/food and request donations (see attached email).

IAW with Chapter 58 Parks and Recreation, Article III Rules and Regulations, Section 58-56 Conduct of persons with park, (12) Merchandising, advertising, and signs; it is prohibited for any person to offer to sell any article, thing or service in the park (see attached excerpt of Ordinance).

Additionally, the requestor has yet to make a reservation for the stage area of Bicentennial Park for any of the five (5) requested event days.

#### **FINANCIAL IMPACT**

None

#### **RECOMMENDATION**

Staff recommends the council's consideration.

#### **ATTACHMENTS**

- Special event permit application
- Insurance
- Email
- Ordinance



## Special Events Permit Application

City Secretary's Office  
201 E Main Street  
Crowley TX 76036  
(817) 297-2201 ext 4000

Permit applications shall be filed with the city secretary or designee for consideration on a first come first serve basis **not less than 21 days or more than 365 days before the date of the proposed use or activity. In the event of a street closure, applications must be submitted not less than 45 days in advance. Due to the state department of transportation requirements, closure of any state highway for more than six (6) hours will require 90 days' advance notice to the city.** The application will either be approved, approved with conditions, denied, or more information will be requested within five business days of submission to the city secretary. Due to the nature of some events, additional information may be requested. A deposit will be required for certain types of events. The deposits shall be set forth in the city fee schedule listed as Appendix A to the City of Crowley Code of Ordinances.

All applicants will be charged facility rental fees as appropriate and are expected to fully reimburse the City for all services related to event production which may include, but are not limited to, Police, Fire/EMS, Park and Facility Maintenance, Field Services, Sanitation, Street Engineering, Site Supervisors, Environmental, and all necessary permit fees including: Beer and Wine, Tent, Fireworks, Carnival, Sign, etc. Applicants are responsible for returning City facilities and parks their original condition. Daily fees will be assessed until all event equipment is removed from City premises. Full payment is due upon receipt of final invoice.

Section 1 – Applicant Information			
Name of Applicant (must be on site during the event) <b>Leticia Salas</b>		Today's Date <b>5/2/2023</b>	
Address <b>10700 Old Burleson Rd</b>	City <b>Fort Worth</b>	State <b>TX</b>	Zip <b>76140</b>
Phone Number <b>817-293-3111</b>	Cell Phone Number <b>817-905-8434</b>		
Email <b>Leticia.Salas@tpcfamily.org</b>			
Section 2 – Sponsoring Organization Information			
Corporation/Organization Name of D.B.A. <b>Turning Point Church</b>		Type of Organization For Profit    Non-Profit <input checked="" type="checkbox"/> Other:	
Name of Contact <b>Leticia Salas</b>		Email: <b>Leticia Salas</b>	
Address <b>10700 Old Burleson Rd</b>	City <b>Fort Worth</b>	State <b>TX</b>	Zip <b>76140</b>
Phone Number <b>817-293-3111</b>	Cell Phone Number <b>817-905-8434</b>		

Section 2 – Event Information								
Name of Event <b>Summer Worship Series</b>						Anticipated Daily Attendance <b>100</b>		
Location of Event/physical address <b>Bicentennial Park - Stage Pavillion</b>								
Property Owner <b>City of Crowley</b>						Owner Phone		
Owner Email:						Has the property owner given authorization to use property? Yes    No		
Detailed Description of Event								
	Date	Time	Day of Week					
Setup	See dates	4:00 pm	M	T	W	Th	F	<b>Sat</b> Sun
Event Start	Below	5:00 pm	M	T	W	Th	F	Sat Sun
Event End		7:00 pm	M	T	W	Th	F	Sat Sun
Teardown		8:00 pm	M	T	W	Th	F	Sat Sun
Additional Information: <b>5/20; 6/24; 7/22; 8/19; 9/23</b>								

Section 3 – Event Features			
Will there be an admission charge?	Yes	<input checked="" type="checkbox"/> No	If yes, list all price categories below.
Will there be entertainment? <i>A complete list of entertainment will be required before final approval. Once approved, no changes may be made unless authorized.</i>	<input checked="" type="checkbox"/> Yes	No	If yes, please attach a complete list of entertainment.
Will sound amplification be used at the event? Sound amplification:	<input checked="" type="checkbox"/> Yes	No	If yes, explain below
Will merchandise and/or food items be sold? <i>Booths will need to be inspected and have proper food handling permits</i>	<input checked="" type="checkbox"/> Yes	No	If yes, please attach a complete list of vendors.
Have you hired a licensed professional emergency medical service provider to manage your event's medical plan? If yes please list below. <i>(Fee may be charged for Emergency Service personnel)</i>	Yes	<input checked="" type="checkbox"/> No	
Medical Service Provider	Phone		
Will the event include any of the following? (Indicate on site plan and/or vendor list)			
Tents or Canopies <i>Tents require temporary use permits issued by the city upon Fire Department review (additional fees may be applicable). Temporary tents must adhere to the International Fire Code</i>	Yes	<input checked="" type="checkbox"/> No	Complete Tent Worksheet and attach with site plan
Inflatables <i>If inflatable exceeds 400 sq ft, additional permit is required</i>	Yes	<input checked="" type="checkbox"/> No	Total Sq Ft:
Company	Contact name and phone		
Fireworks/Pyrotechnics <i>Fireworks/Pyrotechnics require permits from the City Fire Department (additional fees may be applicable)</i>	Yes	<input checked="" type="checkbox"/> No	
Temporary Fencing <i>Provide accurate dimensions of fenced area on site plan. Temporary fencing requires temporary use permits issued by the city (additional fees may be applicable).</i>	Yes	<input checked="" type="checkbox"/> No	
Temporary restrooms or refuse collection provided? <i>(All trash and debris must be removed)</i>	Yes	<input checked="" type="checkbox"/> No	
Company	Contact name and phone		
Carnival/Amusement Rides <i>A separate Special Use Permit may be required. (additional fees may be applicable)</i>	Yes	<input checked="" type="checkbox"/> No	
Company	Contact name and phone		
Signs / Banners <i>A separate Sign Permit may be required. (additional fees may be applicable)</i>	Yes	<input checked="" type="checkbox"/> No	
Company	Contact name and phone		
Will animals be used in conjunction with event?	Yes	<input checked="" type="checkbox"/> No	If yes, describe below.
Description:			
Is this a run, walk or parade? If yes, attach a map identifying assembly location and route on site plan. <b>Must be submitted 21-days prior to event.</b> <i>(Fee may be charged for Public Service Personnel)</i>	Yes	<input checked="" type="checkbox"/> No	

Section 4 – Roadways and Sidewalks			
Does the event propose <b>using, closing or blocking</b> any of the following If yes, specify location and duration on site map. <i>(Fee may be charged for Public Service personnel)</i>			
City Streets	Yes	<input checked="" type="checkbox"/> No	City Sidewalks
City Right-of-Ways	Yes	<input checked="" type="checkbox"/> No	Public Parking Lots

Section 5 – Use of City Utilities (Fee may be charged for the use of City Utilities)			
Will any City electric hookups be used?	Yes	<input checked="" type="checkbox"/> No	Electric Location including amperage
Will any City water hookups be used?	Yes	<input checked="" type="checkbox"/> No	Water Location(s)
Will waste water/gray water be generated?	Yes	<input checked="" type="checkbox"/> No	Is so, how will it be disposed?

## Section 6 – Alcohol

Will there be alcohol at the event?

Yes ☒ No

*At no time will alcohol be distributed or consumed in City Parks and/or streets to include Park Pavilions. All activities involving alcohol will require the presence of an off-duty City police officer. The applicant will be required to pay for an officer to be present for a minimum of 3 hours or the full amount of time that alcohol is served. Consumption of alcohol without the presence of an officer or a violation of the provision of the City Ordinances will result in forfeiture of the rental deposit.*

The Texas Alcoholic Beverage Commission (TABC) requires specific and specialized permits for selling/serving alcohol. These permits will be based on the parameters and scope of the desired service and the type of event. Due to the numerous scenarios that may be involved in your event, it is impossible to outline the requirements in this application. **It is your responsibility** to contact the TABC office and speak to an Agent who will be the entity for permission and, if approved, provide the exact permit(s) required.

Permission by the City to hold a Special Event does not guarantee permission from TABC to serve/sell alcohol. Your event may be approved by the City but the service and selling of alcohol is the domain of the TABC and may be denied at their discretion.

Permission by the TABC to serve/sell alcohol at a Special Event does not guarantee permission of the City.

Will alcohol be provided free of charge?

Yes ☒ No

*To be considered "free," there cannot be an expectation of receiving money. You cannot charge for admission, ask for donations or accept tips. Doing so would constitute a sale of alcohol and would require a Texas Alcohol Beverage Commission and City Permit.*

Will you be charging an entrance or registration fee?

Yes ☒ No

Will the alcohol be sold?

Yes ☒ No

If you answered Yes, a Texas Alcohol Beverage Commission and City Permit will be required.

TABC License # \_\_\_\_\_ Expiration \_\_\_\_\_

## Section 11 – Insurance Requirements

The City of Crowley has established insurance requirements for those facility users, vendors and contractors entering into agreements with the City for the purpose of special events and activities. Before commencing use or services under an agreement with the City of Crowley a certificate of insurance that complies with the requirements referenced below must be furnished.

**All special event applicants shall name the City of Crowley as an "Additional Insured"** on all policies, and shall reflect this on a Certificate of Liability Insurance. A pplicant shall obtain Certificates of Liability Insurance from all vendors participating in this event unless covered under the applicant's insurance policy. Separate Certificates of Insurance Liability shall be provided by all carnival and amusement companies and firework production companies and shall name the City of Crowley as "Additional Insured." Additional coverage may be required depending upon the nature and scope of the event. The City of Crowley reserves the right to evaluate the liability of each event and assess the required insurance limits. Event permits will not be issued until all insurance requirements are satisfactorily met.

### **The certificate must show:**

1. The City of Crowley as "Additional Insured."
2. General Liability Including:
  - Bodily injury
  - Property damage
  - Medical Expense
  - Personal Injury

### **Organized League Play**

Any organization or group who is renting an athletic field for the purpose of organized league play must provide the following documents:

1. Certificate of Liability Insurance. The city and the group or organization must be co-insured by the policy. The policy must include a minimum of \$500,000.00 per incident, with not less than \$1,000,000.00 aggregate with the same remaining in effect for the term of this agreement. Failure to maintain such insurance shall be cause for immediate cancellation of event/reservation;
2. Health permit (if renting concession stand);
3. Player insurance;
4. State Charter;
5. Bylaws;
6. Schedule; and
7. Emergency contact information.

## Section 12 – Compliance with Laws and City Ordinances

1. The applicant will clean the grounds, remove equipment, and restore the permitted site after the event.
2. The applicant is responsible for providing parking assistance if required.
3. Adequate policing for crowd control must be provided by applicant. Off duty officers are available by calling 817-297-2276.
4. The applicant will not nail, staple, or otherwise attach any event-connected signs to any guard post, sign post, utility pole or tree.
5. Admission to the event will not be limited to membership nor will any discrimination be made against a person because of race, creed, sex, color, age, or national origin in conducting the event. Admission to view the event will be open to the general public without discrimination on the grounds of race, color, religion, national origin, sex, or age. Participation in the event may be limited to members of the sponsoring group, provided that the group does not unlawfully discriminate against participation in the event on grounds of race, color, religion, national origin, sex, or age. Request for Special Event Application citing special circumstances for participation requiring gender or age discrimination must be accompanied by an exceedingly persuasive justification.
6. If necessary, the applicant will furnish a map showing the area where the special event is to be conducted.

## Section 13 – Acknowledgement and Signature

I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of event will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local ordinances regulating this type of event or the use of any land or buildings.

I hereby certify that I have received the property owners consent to utilize above location for the period of time and purpose stated.

I further understand that any deviation from this Application could result in the City closing down or canceling the Event. I understand that a Special Event Permit must be approved by the City of Crowley prior to the occurrence of this Event. The issuance of that permit is contingent upon the compliance with the Special Event Application and acceptance of all listed stipulations or conditions of the Special Event Permit.

Signature:



Date:

5/2/2023

## Section 13 – Acknowledgement and Signature

Included N/A

Certificate of Liability Insurance  
Detailed Site Plan  
Route Map  
Amusement Ride Certification of Inspection  
Tent Permit Application

Public Works

Approved Denied Initials

Remarks

Fire Department

Approved Denied Initials

Remarks

Police Department

Approved Denied Initials

Remarks

Recreation Center

Approved Denied Initials

Remarks

City Council

Approved Denied Initials

Remarks

## Application for Tent Permit

Section 1 – Applicant Information					
Name of Applicant				Today's Date	
Address		City		State	Zip
Phone Number		Cell Phone Number			
Email					
Section 2 – Person/Organization/Contractor Responsible for Erection of Tent					
Organization					
Address		City		State	Zip
Phone Number		Cell Phone Number			
Email					
Section 3 - Tent Information					
Location of Tent				Number of Tents	Zoning District
Purpose of Tent/Usage Description					
Description of Tent (if multiple list details of each tent)					
Size (ft)	Area (sq ft)	Tent Separation (ft)	Side Walls	Additional Info	
1.     x			Yes    No		
2.     x			Yes    No		
3.     x			Yes    No		
4.     x			Yes    No		
5.     x			Yes    No		
<p>Attach site plan which includes the following:</p> <ol style="list-style-type: none"> <li>1. Accurate site plan with dimensions from property lines and other structures</li> <li>2. Floor plan showing all required exits, no smoking signs, square footage and height of structure</li> <li>3. Occupant Load per manufacturer guidelines</li> <li>4. Membrane type and Fire Resistance Certification (must be attached)</li> <li>5. Locations of fire extinguishers.</li> <li>6. Location of parking</li> <li>7. Location and distance of all heat producing equipment</li> <li>8. Location and distance of all generators</li> </ol>					
Date to be erected			Date to be taken down		
<p>I hereby certify that I have received the property owners consent to erect a temporary tent at the above location for the period of time and purpose stated.</p> <p>I agree to meet requirements of the International Fire Code regarding tents and other membrane structures and all other regulations or ordinances of the City. I acknowledge that violations of any of the codes, regulations or ordinances will result in immediate revocation of this permit.</p>					
Signature				Date	
Planning and Development Approved		Disapproved		Notes/Special Conditions:	
Fire Marshal Approved		Disapproved		Notes/Special Conditions:	
Fee - Date Paid		Amount Paid		Permit Issued (Number)	





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

05/03/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Insurance One Agency, L.C. 14180 Dallas Parkway Suite 900 Dallas TX 75254	<b>CONTACT NAME:</b> Katherine Ruessler <b>PHONE (A/C, No, Ext):</b> (469) 726-4598 <b>E-MAIL ADDRESS:</b> kruessler@insuranceoneagency.com <b>FAX (A/C, No):</b> (972) 380-6310
<b>INSURED</b> TURNING POINT METROPLEX FELLOWSHIP & EARLY LEARNING 10700 OLD BURLESON RD FORT WORTH TX 76140-7511	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Church Mutual Broker Specialty <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>

**COVERAGES****CERTIFICATE NUMBER:** CL22121904080**REVISION NUMBER:**


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			0348248-25-499316	12/22/2022	12/22/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			0348248-09-499314	12/22/2022	12/22/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N <input type="checkbox"/>	N / A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES** (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The general liability policy includes a blanket automatic additional insured endorsement [CMCG1203 (12/19)] that provides additional insured status to the certificate holder only when there is a written contract between the named insured and the certificate holder that requires such status.

**CERTIFICATE HOLDER****CANCELLATION**

The City of Crowley 201 E Main Street  Crowley TX 76036	<b>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</b>  <b>AUTHORIZED REPRESENTATIVE</b> 
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**From:** [Leticia Salas](#)  
**To:** [Carol Konhauser](#)  
**Subject:** Special Events Permit  
**Date:** Tuesday, May 2, 2023 7:38:43 PM

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CAUTION: Don't be quick to click. This e-mail originated from outside of the City of Crowley private network. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello

I am wanting information on the special events permit process and associated fees. I am with Turning Point Church. Our Worship ministry is wanting to do a monthly outreach at Bicentennial Park at the stage pavilion. I am completing the application. While we do not plan to charge an admission fee, we are hoping to setup tables that represent our various ministries and sell crafts, baked goods and food for donations to support the worship ministry.

Can you please give me an idea of how long it takes to process the application and what other items you may need from me to ensure this is processed smoothly?

Blessings,

Leticia Salas  
Financial Manager, Accounting  
Turning Point Church | (817) 529-6067 Direct

*"These things I have spoken to you, that My joy may remain in you, and that your joy may be full."* -John 15:11

Sent from my iPad

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## Sec. 58-56. Conduct of persons within park.

The purpose of this article is to preserve the environmental features of the city, allow more efficient park refuse collection, more effective and unhampered custodial care of the premises, and protect the health and welfare of the citizens of the city.

(1) *Park property.*

a. *Buildings and other property; trees, shrubbery, lawn.*

1. *Disfiguring and removal.* No person shall willfully mark, deface, disfigure, injure, tamper with or remove any building, bridges, tables, benches, fireplaces, railings, paving or paving material, water lines or other public utilities or parts or appurtenances thereof, signs, notices or placards, whether temporary or permanent, monuments, stakes, posts or other boundary markers, or other structures or equipment, facilities or park property appurtenances whatsoever, either real or personal.
2. *Removal of natural resources.* No person shall dig any soil, rock, stones, trees, shrubs or plants, down timber or other wood or materials, or make any excavation by tool, equipment, blasting or other means or agency.
3. *Erection of structures.* It shall be unlawful for any person to construct or erect any building or structure of whatever kind or size, whether permanent or temporary in character, or run or string any public service utility into, upon or across such lands. City sponsored events are exempt from this subsection.
4. *Injury and removal of trees, plants.* It shall be unlawful for any person to damage, cut, carve, transplant or remove any tree or plant or injure the bark or pick the flowers or seeds of any tree or plant. Nor shall any person attach any rope, wire or other contrivance to any tree or plant. A person shall not dig or otherwise disturb grass areas to the detriment of these areas, or in any way injure or impair the natural beauty or usefulness of any area, provided that normal use of grassed areas will not be prohibited. Exception is made as to any regularly authorized party acting by and under the authority and regulation of the city manager.
5. *Climbing, etc.* No person shall climb any tree or walk, stand or sit upon monuments, vases, fountains railings, fences or upon any other property not designated or customarily used for such purposes.

b. *Animals; wild and domesticated, birds, etc.*

1. No person shall set up any display of live animals, animal rides or animal shows in a city park with the exception of an approved special event permit they have obtained or in conjunction with a city-sponsored event. Refer to chapter 10 animals, of the Code of Ordinances for requirements for proper control and handling of animals and animal waste during special events;
2. *Hunting.* No unauthorized person shall hunt, molest, harm, frighten, tease, shoot or throw missiles at any animal, reptile or bird; nor shall be removed or have in his possession the young of any wild animal or the eggs or nest or young of any reptile or bird.
3. *Feeding.* No person shall give or offer or attempt to give any animal or bird any tobacco, alcohol or other known toxic injurious substance.

(2) *Sanitation.*

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- a. *Pollution of waters.* No person shall throw, discharge to or otherwise place or cause to be placed in the waters of any fountain, pond, lake, stream or other body of water in or adjacent to any park or any tributary, stream, storm sewer or drain flowing into such waters any substance, matter or thing, liquid or solid, which will or may result in the pollution of said waters.
  - b. *Refuse and trash.* No person shall have brought in or shall dump, deposit or leave any bottles, broken glass, paper boxes, cans, dirt, rubbish, waste, garbage or refuse or other trash. No such refuse or trash shall be placed in any waters in or contiguous to any park, or left anywhere on the grounds, but shall be placed in the proper receptacles where these are provided. Where receptacles are not so provided, all rubbish or waste shall be carried away from the park by the person responsible for its presence and properly disposed of elsewhere.
- (3) *Traffic.*
- a. *Confined to roads.* No unauthorized person shall ride a motorized vehicle or motorcycle on other than paved vehicular road or path designated for that purpose.
  - b. *State and city vehicle laws apply.* It shall be unlawful for any person or owner to fail to comply with all applicable provisions of the state and city motor vehicle traffic laws.
- (4) *Recreational activities; hunting and firearms.* It shall be unlawful for any person to carry or possess at any time unlicensed firearms of any description, or air rifles, spring guns, bows and arrows, slings, or any instrument that can be loaded with and fire blanks, cartridges, or any kind of trapping device. Shooting into, out of or in park areas is prohibited. This section shall not apply to any law enforcement officers while in performance of their duties or as provided by federal or state law.
- (5) *Picnic areas and use.*
- a. *Availability.* No person shall prevent any person from using any park, or any of its facilities, or interfere with any use already engaged in that is in compliance with this article and the rules applicable to such use.
  - b. *Duty of picnicker.* It shall be unlawful for any person to leave a picnic area before the fire is completely extinguished from the stove, fire pit, or barbecue pit. See (8) for more fire restrictions. All trash in the nature of boxes, papers, cans, bottles, garbage and other refuse is placed in the disposal receptacles where provided. If no such trash receptacles are available, then refuse and trash shall be carried away from the park area by the picnicker to be properly disposed of elsewhere.
  - c. *Horseback riding.* No person shall ride a horse or any other animal in a city park. The city's mounted police unit is exempt from this subsection.
- (6) *Dangerous amusements.*
- a. No person shall engage in activities that involve thrown or otherwise propelled objects such as stones, arrows, javelins, model airplanes, paint ball projectiles or other objects likely to inflict injury.
  - b. No person shall roller skate, rollerblade, skateboard or any similar amusement except in those areas specifically designated for such pastime.
  - c. No person shall operate a motor driven model airplane or hit golf balls in a city park.
- (7) *Camping.* No person shall camp overnight in a park.
- (8) *Fires.*
- a. No person shall start or maintain in any park any outdoor fire, except for cooking fires which shall be started and maintained only in a stove, fire pit or barbecue pit.

- 
- b. No person starting or maintaining any fire in a park shall leave the fire unattended in a stove, fire pit or barbecue pit without first completely extinguishing the fire.
- (9) *Dogs.* No person shall allow any dog owned or possessed by him to run at large nor allow any such dog in a park unless it shall at all times be kept on a leash. This prohibition shall not apply to a police service dog while under the supervision of a duly authorized peace officer in the performance of official duties.
- (10) *Animal abandonment.* No person shall abandon any animal in the park.
- (11) *Glass containers.* No glass containers in any areas of any park.
- (12) *Merchandising, advertising and signs.*
- a. No unauthorized person shall offer for sale or hire any article, thing, or service, nor station or place any stand, cart or vehicle for the transportation, sale or display of any article, thing or service. This section may be waived for city sponsored events.
- b. No person shall advertise in any way to any article, thing or service for sale or hire.
- c. No unauthorized person shall paste, glue, tack or otherwise place any sign, placard advertisement or inscription on park property or erect or cause to be erected any sign on any public lands, highways or roads adjacent to a park.
- (13) *Alcoholic beverages.* No person shall sell or consume alcoholic beverages in any park. For a complete list of conditions and restrictions on the use of alcoholic beverages within the Crouch Event Center located in Bicentennial Park, see section 58-94. A special event permit may be required. See appendix A. schedule of rates, fees, and charges, subsection (35) for more information regarding special event permits.
- (14) *Military maneuvers.* Military maneuvers and battle reenactments are prohibited in any park.
- (15) *Interference with users and permittees.* No person shall prevent, disturb or unreasonably interfere with any other person's occupying any area or participating in any lawful activity allowed within the park.
- (16) *Smoking prohibited, except in designated parking areas.*
- a. The smoking of any tobacco product (including cigarettes, cigars, pipes, or other lighted tobacco product in any form or manner) or the use or smoking of e-cigarettes or vapor products, is prohibited in any area of all city parks, except in the designated parking lot areas.

(Ord. No. 98-637, § 1, 5-7-1998; Ord. No. 10-2009-100, § 1(62-102), 10-15-2009; Ord. No. 01-2018-319, § 1, 1-4-2018; Ord. No. 08-2021-434, § 1(Exh. A), 8-5-2021)



## Crowley City Council

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### AGENDA REPORT

**Meeting Date:** May 18, 2023

**Agenda Item:** VII-3

**Staff Contact:** Matt Elgin, Director of  
Utilities/Projects

**E-mail:** [melgin@ci.crowley.tx.us](mailto:melgin@ci.crowley.tx.us)

**Phone:** 817-297-2201 x3240

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**SUBJECT:** Discuss and consider adoption of Resolution R05-2023-386 a resolution of the City Council of the City of Crowley, supporting the submission of two grant applications to the Texas Department of Transportation's 2023 Transportation Alternatives set-aside (TA) call for projects.

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#### **BACKGROUND/DISCUSSION**

On January 27, 2023 City Staff submitted two Preliminary Applications for the 2023 Transportation Alternatives Grant. This grant program is to provide municipalities and counties funding for alternative transportation routes. This includes multipurpose trails. The two grants Staff submitted are for a trail along FM 1187 from McCart Ave on the western city boundary to the intersection of Crowley Rd and FM 1187 and then north on Crowley Rd. to Deer Creek Elementary School. The second route will go through Teeter Park along Deer Creek and under the Main St. bridge into Bicentennial Park, north through Bicentennial and behind the subdivisions of Crescent Springs and Hunter's Ridge and connect to Crowley Rd on the north end of Hunter's Ridge. The estimated project cost for FM 1187 to Deer Creek is \$19,685,417.80 and the estimated project cost for the FM 731 Deer Creek Connector SUP is \$19,712,292.80. Since Crowley meets specific economic criteria as defined by the grant qualifications the City can request the use of Transportation Development Credits in lieu of a local financial match.

Staff met with the local TxDOT office to review the Preliminary Applications which was then forwarded onto the Austin office. Both of the grants have been selected by the Austin office to move to the second phase of the application process. The next step in the process is the Detailed Application phase, which is due June 5, 2023. This phase of the application process requires support, through a resolution, from the project sponsor's governing board. Staff is recommending support of both proposed trail projects. Teague, Nall and Perkins (TNP) is assisting with the detailed application process. On May 4, 2023 the Crowley EDC Board voted to fund the fees for services TNP will be providing.

#### **FINANCIAL IMPACT**

No financial impact associated with this resolution. Transportation Development Credits will be used in lieu of a local match.

#### **RECOMMENDATION**

City Staff recommends City Council support of the two proposed grant applications.

#### **ATTACHMENTS**

- Resolution R05-2023-386

**RESOLUTION NO. R05-2023-386**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CROWLEY, SUPPORTING THE SUBMISSION OF TWO GRANT APPLICATIONS TO THE TEXAS DEPARTMENT OF TRANSPORTATION'S 2023 TRANSPORTATION ALTERNATIVES SET-ASIDE (TA) CALL FOR PROJECTS.**

**WHEREAS**, the City of Crowley (the City) is a home rule city acting under its charter adopted by the electorate pursuant to Article XI, Section 5, of the Texas Constitution and Chapter 9 of the Local Government Code; and

**WHEREAS**, the Texas Department of Transportation ("Department") issued a call for projects in December 2022 for communities to apply for funding assistance through the Transportation Set-Aside (TA) Program; and

**WHEREAS**, the TA funds may be used for development of preliminary engineering (plans, specifications, and estimates and environmental documentation) and construction of pedestrian and/or bicycle infrastructure. The TA funds require a local match, comprised of cash or Transportation Development Credits (TDCs), if eligible. The City of Crowley would be responsible for all non-reimbursable costs and 100% of overruns, if any, for TA funds.

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF CROWLEY, TEXAS THAT:** The City Council of the City of Crowley supports funding both projects as described in the 2023 TA Detailed Application (including the preliminary engineering budget, if any, construction budget, the department's direct state cost for oversight, and the required local match, if any) and is willing to commit to the project's development, implementation, construction, maintenance, management, and financing. The City of Crowley is willing and able to enter into an agreement with the Department by resolution or ordinance, should the project be selected for funding

This resolution shall take effect from and after its passage, and it is so resolved.

**DULY PASSED AND APPROVED** by majority vote of all members of the CITY COUNCIL of the City of Crowley at a regular meeting of the City Council of Crowley, Texas, on this the 18<sup>th</sup> day of May, 2023

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Billy Davis, Mayor

ATTEST:

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Carol Konhauser, City Secretary



## Crowley City Council

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### AGENDA REPORT

**Meeting Date:** May 18, 2023

**Agenda Item:** VII-4

**Staff**

**Contact:** Rachel Roberts

**E-mail:** rroberts@ci.crowley.tx.us

**Phone:** 817/297-2201 x 3030

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**SUBJECT:** Discuss and consider approval of Ordinance 05-2023-487, amending Appendix A: Schedule of Rates, Fees and Charges of the Crowley City Code, to update the references to the city's adopted building codes

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### **BACKGROUND/DISCUSSION**

The Fee Schedule refers to the city's adopted building codes in several places. Most of the references are to sections of the 2006 fee schedule. If the city adopts the 2021 codes, these references should be updated. Staff recommend amending the references to refer to the code titles rather than specific section numbers and editions. This way, the fee schedule will not need to be amended every time the city adopts new building codes.

Staff also recommend removing the notes in the fee schedule referring to the 2015 International Electric Code. The note appears to have been added to the fee schedule when the energy code review fee was eliminated. In its place, the city adopted this provision from the 2015 IMC. When/if the city adopts the 2021 IMC, this provision of the fee code will not be necessary (any testing requirements will be covered in the IMC).

### **RECOMMENDATION**

Staff recommends approval.

### **ATTACHMENTS:**

- Ordinance amending the fee schedule



## **ORDINANCE NO. 05-2023-487**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CROWLEY, TEXAS, AMENDING APPENDIX A, SCHEDULE OF RATES, FEES AND CHARGES, OF THE CODE OF ORDINANCES BY AMENDING SECTIONS 1, 9, 10, 11, AND 12 TO UPDATE REFERENCES TO THE CITY'S ADOPTED MUNICIPAL CODES; PROVIDING THAT THIS ORDINANCE SHALL BE CUMULATIVE OF ALL ORDINANCES; PROVIDING A SEVERABILITY CLAUSE; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City of Crowley, Texas, is a home rule City acting under its charter adopted by the electorate pursuant to Article XI, Section 5 of the Texas Constitution and Chapter 9 of the Local Government Code; and

**WHEREAS**, the fee schedule of the City of Crowley, has been codified as Appendix A of the Crowley Code of Ordinances; and

**WHEREAS**, Appendix A of the Code of Ordinances establishes various fees for City services associated with the administration, investigation, and implementation of ordinances and regulations applicable to development and other activities; and

**WHEREAS**, the City Council now desires to amend its schedule of fees by amending the fees listed in Sub-Section (1), "Building permits (new construction)", Sub-Section (9) "Sign permits", Sub-Section (10) "Building permits (electrical)", Sub-Section (11) "Building permits (mechanical)", and Sub-Section (12) "Building permits (plumbing)" of Appendix A: Schedule of Rates, Fees and Charges as listed below;

**NOW THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CROWLEY, TEXAS:**

### **SECTION 1.**

That Appendix A: Schedule of Rates, Fees and Charges of the Code of Ordinances of the City of Crowley, Texas, be and is hereby amended as set forth in the attached Exhibit "A", which is incorporated by reference herein.

### **SECTION 2.**

This ordinance shall be cumulative of all provisions of ordinances of the City of Crowley, Texas, except where the provisions of this ordinance are in direct conflict with the provisions of such ordinances, in which event the conflicting provisions of such ordinances are hereby repealed.

### **SECTION 3.**

It is hereby declared to be the intention of the City Council that the phrases, clauses, sentences, paragraphs, and sections of this ordinance are severable, and if any phrase, clause sentence, paragraph or section of this ordinance shall be declared unconstitutional by the valid

judgment or decree of any court of competent jurisdiction, such unconstitutionality shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this ordinance, since the same would have been enacted by the City Council without the incorporation in this ordinance of any such unconstitutional phrase, clause, sentence, paragraph or section.

**SECTION 4.**

This ordinance shall be in full force and effect from and after its passage, and it is so ordained.

**PASSED AND APPROVED ON THIS 18TH DAY OF MAY, 2022.**

**CITY OF CROWLEY, TEXAS**

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Mayor, Billy P. Davis

**ATTEST:**

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Carol Konhauser, City Secretary

**APPROVED AS TO FORM:**

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Rob Allibon, City Attorney

## Exhibit 'A'

Additions are underlined. Deletions are marked with ~~strike through formatting~~.

### Sec. 1. Schedule of rates, fees and charges.

The following are the schedule of rates, fees and charges set by the city council:

- (1) *Building permits (new construction)*. Work commencing before permit issuance shall be subject to a penalty fee of 100 percent of the usual permit fee in accordance with the International Building Code ~~IBC 2006 § 108.4~~.

[...]

#### ~~Note\*\*~~

~~2015 International Energy Conservation Code R402.4.1.2 Testing;~~

~~Mandatory testing shall only be performed by individuals that are certified to perform air infiltration testing certified by national or state organizations as approved by the building official. The certified individuals must be an independent third-party entity, and may not be employed; or have any financial interest in the company that constructs the structure.~~

~~(Reason: The 2012/15 International Residential Code (IRC) and International Energy Conservation Code (IECC) includes enhanced emphasis on envelope infiltration and duct leakage. Significant changes in the residential energy requirements include more frequent requirement of performance testing for leakage. Residential duct systems must be tested unless all ducts and equipment are located within the conditioned space. Envelope testing is required to demonstrate compliance with maximum allowable leakage rate. This language puts the regulatory authority on notice that the testing requires specialized credentials and establishes a conflict of interest baseline).~~

[...]

- (9) *Sign permits.*

A separate building electrical permit is required when signs require electricity. Work commencing before permit issuance shall be subject to a penalty fee of 100 percent of the usual permit fee in accordance with the International Building Code, <del>§ 108.4, 2006 edition</del> .	
Commercial:	
1—50 square feet	\$50.00
51—100 square feet	\$75.00
101—200 square feet	\$100.00
Over 200 square feet.	\$175.00
Weekend real estate (annual—per builder/developer)	\$100.00
Temporary and portable signs:	
60-day permit	\$30.00
Banners, feather/bow 30-day permit	\$30.00
Sign confiscation fees (per sign)	\$5.00
Off-premises portable sign	\$30.00; property owner permission required
Sign variance request	\$30.00

- (10) *Building permits (electrical)*. Work commencing before permit issuance shall be subject to a penalty fee of 100 percent of the usual permit fee in accordance with the International Building Code ~~IBC 2012 § 109.4~~.

[...]

(11) *Building permits (mechanical)*. Work commencing before permit issuance shall be subject to a penalty fee of 100 percent of the usual permit fee in accordance with the International Mechanical Code, ~~§ 106.5.1, 2012 edition~~.

(12) *Building permits (plumbing)*. Work commencing before permit issuance shall be subject to a penalty fee of 100 percent of the usual permit fee in accordance with the International Plumbing Code 2012 ~~IPC § 106.6.1~~.

[...]