

CITY OF MERIDIAN ORDINANCE NO. 20-1905

BY THE CITY COUNCIL:

**BERNT, BORTON, CAVENER,
HOAGLUN, PERREAULT, STRADER**

AN ORDINANCE AMENDING MERIDIAN CITY CODE SECTION 10-1-1, REGARDING ADOPTION OF 2018 INTERNATIONAL BUILDING CODE, 2018 INTERNATIONAL RESIDENTIAL CODE, 2018 INTERNATIONAL SWIMMING POOL AND SPA CODE, 2018 INTERNATIONAL ENERGY CONSERVATION CODE, 2018 INTERNATIONAL EXISTING BUILDING CODE, AND RESPECTIVE LOCAL AMENDMENTS; AMENDING MERIDIAN CITY CODE SECTION 10-1-2, REGARDING AMENDMENTS TO INTERNATIONAL BUILDING CODE; AMENDING MERIDIAN CITY CODE SECTION 10-1-3, REGARDING AMENDMENTS TO INTERNATIONAL RESIDENTIAL CODE; REPEALING AND REPLACING MERIDIAN CITY CODE SECTION 10-1-4, REGARDING AMENDMENTS TO INTERNATIONAL ENERGY CONSERVATION CODE; AMENDING MERIDIAN CITY CODE SECTION 10-2-3(B), REGARDING PLUMBING PERMIT AND INSPECTION FEES; AMENDING MERIDIAN CITY CODE SECTION 10-3-3(E), REGARDING ELECTRICAL PERMIT AND INSPECTION FEES; REPEALING AND REPLACING TITLE 10, CHAPTER 4, MERIDIAN CITY CODE, REGARDING ADOPTION OF THE 2018 INTERNATIONAL FIRE CODE AND LOCAL AMENDMENTS THERETO; AMENDING MERIDIAN CITY CODE SECTION 10-5-1, REGARDING ADOPTION OF 2018 INTERNATIONAL MECHANICAL CODE, 2018 INTERNATIONAL FUEL GAS CODE, 2018 INTERNATIONAL RESIDENTIAL CODE PARTS V AND VI, AND RESPECTIVE LOCAL AMENDMENTS; AMENDING MERIDIAN CITY CODE SECTION 10-5-2, REGARDING AMENDMENTS TO 2018 INTERNATIONAL MECHANICAL CODE; AMENDING MERIDIAN CITY CODE SECTION 10-5-3, REGARDING AMENDMENTS TO THE INTERNATIONAL FUEL GAS CODE; AMENDING MERIDIAN CITY CODE SECTION 10-5-4(H-M), REGARDING AMENDMENTS TO PART V (MECHANICAL) AND PART VI (FUEL GAS) OF THE 2018 INTERNATIONAL RESIDENTIAL CODE; ADOPTING A SAVINGS CLAUSE; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, pursuant to its authority under Idaho Code section 39-4116(4)(b), the City Council of the City of Meridian hereby finds that good cause exists for the adoption and the following amendments to the 2018 International Building Code (IBC), the 2018 Idaho Residential Code (IRC), 2018 International Energy Conservation Codes (IECC), and the 2018 International Existing Building Code, and that such amendments are reasonably necessary for the protection of the public health, safety, and welfare;

WHEREAS, pursuant to its authority under Idaho Code sections 50-301 and 54-2619, the City Council of the City of Meridian hereby finds that good cause exists for the adoption and following amendments to the 2017 Idaho State Plumbing Code (ISPC);

WHEREAS, pursuant to its authority under Idaho Code sections 50-301 and 54-1001C, the City Council of the City of Meridian hereby finds that good cause exists for the adoption and following amendments to the 2017 National Electrical Code (NEC);

WHEREAS, pursuant to its authority under Idaho Code sections 50-301, 41-253(1), and 41-256(1), the City Council of the City of Meridian hereby finds that good cause exists for the adoption and following amendments to the 2018 International Fire Code (IFC);

WHEREAS, pursuant to its authority under Idaho Code sections 50-301 and 54-5016(4), the City Council of the City of Meridian hereby finds that good cause exists for the adoption and following amendments to the 2018 International Mechanical Code (IMC);

WHEREAS, the City Council of the City of Meridian hereby finds that the following amendments do establish at least an equivalent level of protection to that of 2018 IBC, 2018 ISPC; 2018 IRC, 2018 IECC, 2017 NEC, 2017 ISPC, 2018 IFC, and 2018 IMC; 2018 IFGC; and

WHEREAS, pursuant to Idaho Code section 39-4116(4)(e), a public hearing on the amendments to the IBC, IRC, and IECC was conducted on November 17, 2020, following provision of the proposed language of this ordinance to Associated General Contractors of America, Associated builders and contractors, Association of Idaho Cities, Idaho Association of Building Officials, Idaho Association of Counties, Idaho Association of REALTORS®, Idaho Building Contractors Association, American Institute of Architects Idaho Chapter, Idaho Fire Chiefs Association, Idaho Society of Professional Engineers, Idaho State Independent Living Council, Southwest Idaho Building Trades, and Idaho Building Trades, by e-mail sent on October 14, 2020, and publication of notice of the time and place thereof in the Meridian Press on October 16, 2020;

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF MERIDIAN, IDAHO:

Section 1. That Meridian City Code section 10-1-1 shall be amended as follows:

10-1-1: ADOPTION OF INTERNATIONAL BUILDING CODE, INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL EXISTING BUILDING CODE, AND LOCAL AMENDMENTS:

The following codes, published by the International Code Council, ~~including all appendices thereto~~, are hereby adopted and incorporated in full as if set forth at length herein, and shall apply and control within the city of Meridian, save and except such portions as hereinafter deleted, modified or amended:

- A. The ~~2015-2018~~ edition of the International Building Code (hereinafter IBC), as amended by section 10-1-2 of this chapter;
- B. The ~~2012-2018~~ edition of the International Residential Code (hereinafter IRC), as amended by section 10-1-3 of this chapter; ~~and~~

C. The 2018 edition of the International Swimming Pool and Spa Code;

~~C.D. As to residential occupancies, the 2012-2018~~ edition of the International Energy Conservation Code (hereinafter IECC), as amended by section 10-1-4 of this chapter; and

~~D.E. The 2015-2018~~ edition of the International Existing Building code (hereinafter IEBC), with no amendments.

Section 2. That Meridian City Code section 10-1-2 shall be amended as follows:

10-1-2: AMENDMENTS TO INTERNATIONAL BUILDING CODE:

The following amendments to the IBC shall apply:

A. IBC section 105.2, exception 1 under “Building,” shall be amended to read as follows:
Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses, emissions testing facilities, and similar uses, provided that the floor area is not greater than 120 square feet (11m²).

B. IBC section ~~407.2.5~~107.2.6 shall be amended to read as follows:

Site Plan. The construction documents submitted with the application for permit shall be accompanied by a site plan showing, to scale, the size and location of new construction and existing structures on the site, distances from lot lines, the established street grades, and the proposed finished grades. The site plan shall be drawn in accordance with an accurate boundary line survey. In the case of demolition, the site plan shall show construction to be demolished and the location and size of existing structures and construction that are to remain on the site or plot. The building official is authorized to waive or modify the requirement for a site plan when the application for permit is for alteration or repair or when otherwise warranted. All development located in the Meridian floodplain overlay district is required to meet the provisions of the Meridian flood damage prevention ordinance, title 10, chapter 6, Meridian city code.

C. IBC section 109.2 shall be amended to provide as follows:

Schedule of Permit Fees. The fee for each permit shall be as set forth pursuant to a schedule of permit fees as established by resolution of the city council. The determination of value or valuation under any of the provisions of this code shall be made by the building official. The value to be used in computing the building permit and building plan review fees shall be the total value of all construction work for which the permit is issued as well as all finish work, painting, roofing, electrical, plumbing, heating, air conditioning, elevators, fire extinguishing systems and any other permanent equipment. Final building permit valuation shall be set by the building official for all permits that require initial estimated valuation and final estimated valuation by the applicant. Payment of permit fees is required at the time the permit is issued. Permits shall not be issued or considered valid until fees are paid.

D. A new section, section 109.6.1, shall be added to the IBC to provide as follows:

Permit Fee Refunds. Up to eighty percent (80%) of the fees paid for a valid permit may be

refunded to the permit holder upon request, if the permit holder has not commenced any work under said permit. The permit holder shall request such refund in writing to the building official no later than one hundred eighty (180) days following the date of permit issuance. Plan review fees shall not be refunded in part or in whole after completion of plan review.

E. A new section, section 109.7, shall be added to the IBC to provide as follows:

Permit Transfer. A building permit granted pursuant to this code may be transferred from one permit holder to another permit holder upon written request by the current permit holder to the building official. Expired permits may not be transferred. No permit transfer may be made without written approval of the building official; if transfer is attempted without written approval of the building official, such permit shall be deemed void.

F. IBC section 202, Definition for Townhouse, shall be amended to provide as follows:

A single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from the foundation to the roof, separated by property lines, and with open space on at least two sides.

~~F.G.~~ IBC section 312.1 shall be amended with the deletion of the requirement for agricultural buildings to comply with the IBC.

~~G.H.~~ IBC section 1612 shall be deleted, and replaced with language to provide as follows:

Flood Loads. All development located in the Meridian floodplain overlay district is required to meet the provisions of the Meridian flood damage prevention ordinance, title 10, chapter 6, Meridian city code.

~~H.I.~~ A new section, section 1805.3.4, shall be added to the IBC to provide as follows:

Waterproofing Hydraulic Elevator Shaft Pits. Elevator shafts shall be designed to prevent the intrusion of water into the hydraulic elevator shaft pit, with accommodation made for the high groundwater table in the city of Meridian, in accordance with American Society of Mechanical Engineers standard A17.1, section 2.2.2.3.

~~I.J.~~ IBC section 1807.1.4 shall be deleted, and replaced with language to provide as follows:

Wood Footings Or Foundations. Regardless of the provisions of the IRC or IBC, this chapter, related chapters, appendices or tables, the city of Meridian shall not allow the use of wood, treated or otherwise, for footings or foundations.

~~J.K.~~ IBC section 3002.4 shall be amended to provide as follows:

Elevator Car To Accommodate Ambulance Stretcher. Where elevators are provided in buildings ~~two (2) or more stories above, or two (2) or more stories below,~~ above or below grade plane, at least one (1) elevator shall be provided for fire department emergency access to all floors. The elevator car shall be of such a size and arrangement to accommodate an ambulance stretcher twenty-four by eighty-four inches (24" x 84") with not less than five inches (5") radius corners, in the horizontal, open position and shall be identified by the international symbol for emergency medical services (star of life). The symbol shall not be less than three inches (3") high, and shall be placed inside on both sides of the hoistway door frame.

L. IBC Section 3113.1 shall be deleted, and replaced with language to provide as follows:
Relocatable Buildings. The provisions of this Section shall apply to relocatable buildings.
Relocatable buildings manufactured after the effective date of this code shall comply with the
applicable provisions of this code; title 39, chapter 43, Idaho Code; and IDAPA 07.03.03.
Exception: This Section shall not apply to manufactured housing used as dwellings.

~~K.M.~~ IBC section 305.2.3 shall be deleted, and replaced with language to provide as follows:
Twelve (12) Or Fewer Children In A Dwelling Unit. A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving such daycare shall be classified as a group R-3 occupancy or shall comply with the ~~IRC~~ International Residential Code.

N. IBC Section 308.2.4 shall be deleted, and replaced with language to provide as follows:
Five (5) or fewer persons receiving custodial care. A facility with five (5) or fewer persons
receiving custodial care shall be classified as a Group R-3 occupancy or shall comply with
the International Residential Code.

O. IBC Section 308.3.2 shall be deleted, and replaced with language to provide as follows:
Five (5) or fewer persons receiving medical care. A facility with five (5) or fewer persons
receiving medical care shall be classified as a Group R-3 occupancy.

~~L.P.~~ IBC section ~~308.6.4~~ 308.5.4 shall be deleted, and replaced with language to provide as follows:
Persons Receiving Care In A Dwelling Unit. A facility such as the above within a dwelling unit and having twelve (12) or fewer children receiving daycare or having five (5) or fewer persons receiving custodial care shall be classified as a group R-3 occupancy or shall comply with the ~~IRC~~ International Residential Code.

~~M.Q.~~ IBC section ~~310.5~~ 310.4 shall be deleted, and replaced with language to provide as follows:
Residential Group R-3. Residential Group R-3 occupancies where the occupants are primarily permanent in natures and not classified as group R-1, R-2, R-4, E, or I, including:
~~1. Buildings that do not contain more than two (2) dwelling units;~~
~~2. Boarding houses (non-transient) with sixteen (16) or fewer occupants;~~
~~3. Boarding houses (transient) with ten (10) or fewer occupants;~~
~~4. Care facilities that provide accommodations for five (5) or fewer persons receiving care;~~
~~5. Congregate living facilities (non-transient) with sixteen (16) or fewer occupants;~~
~~6. Congregate living facilities (transient) with ten (10) or fewer occupants; or~~
~~7. Dwelling units providing daycare for twelve (12) or fewer children.~~
~~8. Lodging house with five or fewer guest rooms.~~
1. Buildings that do not contain more than two (2) dwelling units.
2. Care facilities that provide accommodations for five (5) or fewer persons receiving
personal care, custodial care or medical care.
3. Congregate living facilities (nontransient) with sixteen (16) or fewer occupants, including
boarding houses (nontransient), convents, dormitories, fraternities and sororities, and
monasteries.

- 4. Congregate living facilities (transient) with ten (10) or fewer occupants, including boarding houses (transient).
- 5. Dwelling units providing day care for twelve (12) or fewer children.
- 6. Lodging houses (transient) with five (5) or fewer guest rooms and ten (10) or fewer occupants.

~~N.R.~~ IBC section ~~310.5.1~~ 310.4.1 shall be deleted, and replaced with language to provide as follows:

Care Facilities Within A Dwelling. Care facilities for twelve (12) or fewer children receiving daycare or for five (5) or fewer persons receiving personal care or custodial care that are within a single-family-one- or two-family dwelling are permitted to comply with the ~~IRC~~ International Residential Code.

~~O.~~ Add footnote (f) 2902.6 in the header row of the table column labeled “Drinking fountains” of Table 2902.1 Minimum Number of Required Plumbing Fixtures, and add footnote (f) under Table 2902.1 to state the following: ~~Drinking fountains are not required for an occupant load of (30) or fewer.~~

~~P.S.~~ IBC section 2902.6 shall be deleted, and replaced with language to provide as follows:
Drinking fountains shall not be required for an occupant load of thirty (30) or fewer.

~~Q.T.~~ Footnote (e) to table 2902.1, Minimum Number Of Required Plumbing Fixtures, shall be deleted, and replaced with language to provide as follows:
For business occupancies, excluding restaurants, and mercantile occupancies with an occupant load of thirty (30) or fewer, service sinks shall not be required.

~~R.U.~~ IBC Appendices ~~B, E, F, H, I, and L~~ B, H, and I shall be mandatory.

Section 3. That Meridian City Code section 10-1-3 shall be amended as follows:

10-1-3: AMENDMENTS TO INTERNATIONAL RESIDENTIAL CODE:

The following amendments to the IRC shall apply:

- A. Parts VII (plumbing), ~~and VIII (electrical), and IV (Energy Conservation)~~ shall be deleted.
- B. ~~Exception 1 of IRC section R101.2, Scope, shall be deleted.~~ The exception under Section R101.2 Scope shall be deleted and replaced with the following:

Exception: The following shall also be permitted to be constructed, in accordance with this code: 1. Owner-occupied lodging houses with five (5) or fewer guestrooms and ten (10) or fewer total occupants. 2. A care facility with five (5) or fewer persons receiving custodial care within a dwelling unit or single-family dwelling. 3. A care facility for five (5) or fewer persons receiving personal care that are within a dwelling unit or single-family dwelling. 4. A care facility with twelve (12) or fewer children receiving day care within a dwelling unit or single-family dwelling.

~~C. Exception 2 of IRC section R101.2, Scope, shall be deleted and replaced with language to provide as follows:~~

~~Exception: Owner-occupied lodging houses with three (3) ~~five (5)~~ or fewer guestrooms shall be permitted to be constructed in accordance with the IRC for one and two family dwellings. Such occupancies shall be required to install smoke alarms and carbon monoxide alarms in accordance with sections R314 and R315, respectively, of the IRC or one and two family dwellings.~~

C. Section R104.10.1 Flood hazard areas shall be deleted.

D. Item 2 of the "Building" subsection of IRC section R105.2, Work Exempt from Permit, shall be deleted and replaced with the following:

Fences not over six feet (6') high may be exempted from the requirement for a building permit in the absence of any other applicable land use regulations governing the installation, height, type, or other aspect thereof.

~~D.~~E. Item 7 of the "Building" subsection of IRC section R105.2, Work Exempt From Permit, shall be deleted and replaced with the following:

Prefabricated swimming pools that are not greater than four (4) feet (one thousand, two hundred nineteen (1219) mm) deep.

~~E.~~F. A new item, no. 11, shall be added to the "Building" subsection of IRC section R105.2, Work Exempt From Permit:
Flagpoles.

~~F.~~G. A new section, section R108.5.1, shall be added to the IRC to provide as follows:

Permit Fee Refunds. Up to eighty percent (80%) of the fees paid for a valid permit may be refunded to the permit holder upon request, if the permit holder has not commenced any work under said permit. The permit holder shall request such refund in writing to the community development director or designee no later than one hundred eighty (180) days following the date of permit issuance. Plan review fees shall not be refunded in part or in whole after completion of plan review.

~~G.~~H. A new section, section R108.5.2, shall be added to the IRC to provide as follows:

Permit Transfer. A building permit granted pursuant to this code may be transferred from one permit holder to another permit holder upon written request by the current permit holder to the ~~community development director or designee~~ Building Official. Expired permits may not be transferred. No permit transfer may be made without written approval of the ~~community development director or designee~~ Building Official; if transfer is attempted without written approval, such permit shall be deemed void.

I. Section R109.1.3 shall be deleted and replaced with the following:

R109.1.3 Floodplain inspections. For construction in areas prone to flooding as established by Table R301.2(1), upon placement of the lowest floor, including basement,

the building official is authorized to require submission of documentation of the elevation of the lowest floor, including basement, required in Section R322.

J. Section R202, Definition for Townhouse, shall be amended to provide as follows:

A single-family dwelling unit constructed in a group of three or more attached units in which each unit extends from the foundation to the roof, separated by property lines, and with open space on at least two sides.

~~H-K.~~ Table ~~R201.2(1)~~ R301.2(1), Climate and Geographic Design Criteria, shall be completed with criteria as follows:

GROUND SNOW LOAD: 20 psf. Design roof load shall not be less than a uniform snow load of 25 psf.

WIND DESIGN SPEED (mph): 115 mph for risk occupancy II or less; 120 mph for risk occupancy III or greater.

WIND DESIGN TOPOGRAPHIC EFFECTS: No, in accordance with Section R301.2.1.5

SEISMIC DESIGN CATEGORY: C

WEATHERING: Severe

FROST LINE DEPTH: 24 inches

TERMITE: Slight to Moderate

WINTER DESIGN TEMP: 10 degrees F (annual mean temperature: 51.1 degrees F).

The outdoor design dry-bulb temperature shall be selected from the columns of 97 ½ percent values for winter from Appendix D of the Idaho State Plumbing Code or as determined by the Building Official.

ICE BARRIER UNDER LAYMENT REQUIRED: No

FLOOD HAZARDS: Refer to Title 10, Chapter 6, Meridian City Code, Flood Damage Prevention.

L. Section R301.2.1.2, Protection of Openings, shall be deleted.

~~I-M.~~ IRC section R301.2.4, shall be deleted, and replaced with language to provide as follows:

Floodplain Construction. All development located in the Meridian floodplain overlay district is required to meet the provisions of the Meridian flood damage prevention ordinance, title 10, chapter 6, Meridian City Code.

~~J-N.~~ IRC Table R302.1(1), Exterior Walls shall be deleted, and replaced with language to provide as follows:

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour-tested in accordance with ASTM E 119, or UL263 with exposure from both sides, or Section 703.3 of the International Building Code with exposure from both sides	< 3 feet
	Not fire-resistance rated	0 hours	3 feet ≥ 3 feet
Projections	Fire-resistance rated	1 hour on the underside, <u>or heavy timber, or fire retardant-treated wood^{a,b}</u>	2 feet ≥ 2 feet to < 3 feet
	Not fire-resistance rated	0 hours	3 feet ≥ 3 feet
Openings in Walls	Not allowed	N/A	< 3 feet
	25% maximum of wall area	0 hours	3 feet ≥ 3 feet to < 5 feet
	Unlimited	0 hours	5 feet
Penetrations	All	Comply with Section R302.4	< 3 feet
		None required	3 feet ≥ 3 feet

For SI: 1 foot = 304.8 mm. N/A = Not Applicable

^a The fire-resistance rating shall be permitted to be reduced to zero (0) hours on the underside of the eave overhang if fireblocking is provided from the wall top plate to the underside of the roof sheathing.

^b The fire-resistance rating shall be permitted to be reduced to zero (0) hours on the underside of the rake overhang where gable vent openings are not installed.

~~K. The exception to IRC section R302.2, Townhouses, shall be deleted, and replaced with language to provide as follows:~~

~~Exception: Two (2) one-hour fire-resistance-rated wall assemblies or a common two-hour fire-resistance-rated wall assembly tested in accordance with ASTM E119 or UL-263 is permitted for townhouses. If two (2) one-hour rated walls are used, plumbing and electrical installations within the wall cavity shall conform with fire-resistance penetration requirements in accordance with section R302.4 through R302.4.2 for each of the two (2) one-hour rated walls. The two-hour fire-resistance-rated common wall shall not contain plumbing or mechanical equipment, ducts, or vents within its wall cavity. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against the exterior walls and the underside of the roof sheathing. Penetrations of electrical outlet boxes shall be in accordance with section R302.4.~~

O. Section R302.13, Fire protection of floors, shall be deleted.

P. Section R303.4 shall be deleted, and replaced with the following:

R303.4 Mechanical Ventilation. Dwelling units shall be provided with whole-house mechanical ventilation in accordance with Section M1505.4.

~~L.Q.~~ IRC section R302.6, Dwelling/Garage Fire Separation, shall be amended to provide as follows:

Dwelling/Garage Fire Separation. Walls and ceiling of garages shall be covered with not less than $\frac{5}{8}$ -inch (15.9 mm) type X gypsum board or equivalent.

~~M.~~ IRC section R303.4 shall be deleted and replaced with language to provide as follows:

~~Dwelling units shall be provided with whole-house mechanical ventilation in accordance with Section M1507.3.~~

~~Exception: Where the air infiltration rate of a dwelling unit is equal to 5 air changes per hour or greater when tested with a blower door at a pressure of 0.2 inch w.e. (50 pa) in accordance with Section N1102.4.1.2.~~

~~N.R.~~ The exception to IRC section R313.1, Townhouse Automatic Fire Sprinkler Systems, shall be deleted, and replaced with language to provide as follows:

Exception: Automatic residential fire sprinkler systems shall not be required in townhouses where either two (2) one-hour fire-resistance rated walls or a common two-hour fire-resistance rated wall, as specified in item number 2 of Section R302.2.2 is installed between dwelling units or when additions or alterations are made to existing townhouses that do not have an automatic residential fire sprinkler system installed.

~~Ø.S.~~ IRC section R313.2 shall be deleted.

T. The exceptions to Section R314.2.2 Alterations, repairs and additions, shall be deleted, and replaced with the following:

Exceptions: 1. Work involving the exterior surfaces of dwellings, such as, but not limited to, replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck or electrical permits, are exempt from the requirements of this section. 2. Installation, alteration or repairs of plumbing or mechanical systems are exempt from the requirements of this section.

U. The exceptions to Section R315.2.2 Alterations, repairs and additions, shall be deleted, and replaced with the following:

Exceptions: 1. Work involving the exterior surfaces of dwellings, such as, but not limited to, replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck or electrical permits, are exempt from the requirements of this section. 2. Installation, alteration or repairs of noncombustion plumbing or mechanical systems are exempt from the requirements of this section.

~~P.~~ New language shall be added to IRC section R315.3 to provide as follows:

~~Exception: Work involving the exterior surfaces of dwellings.~~

~~Ø.V.~~ IRC section R322 shall be deleted, and replaced with language to provide as follows:

Flood-Resistant Construction. All development located in the Meridian floodplain overlay

district is required to meet the provisions of the Meridian flood damage prevention ordinance, title 10, chapter 6, Meridian city code.

~~R.W.~~ IRC section R402.1 shall be amended to provide as follows:

Wood. Regardless of the provisions of the IBC or IRC, this chapter, related chapters, appendices or tables, the city of Meridian shall not allow the use of wood, treated or otherwise, for footings or foundations.

X. The following tables shall be deleted: Table R403.4 Minimum Depth (D) and Width (W) of Crushed Stone Footings (inches), Table R403.1(1) Minimum Width and Thickness for Concrete Footings for Light-Frame Construction (inches), Table R403.1(2) Minimum Width and Thickness for Concrete Footings for Light-Frame Construction and Brick Veneer (inches), and Table R403.1(3) Minimum Width and Thickness for Concrete Footings with Cast-In-Place or Fully Grouted Masonry Wall Construction (inches).

Y. A new table, Table R403.1, shall be added, to read as follows:

TABLE R403.1
MINIMUM WIDTH OF CONCRETE, PRECAST, OR MASONRY FOOTINGS (inches)^a

	LOAD-BEARING VALUE OF SOIL (psf)			
	1,500	2,000	3,000	≥ 4,000
Conventional light-frame construction				
1-Story	12	12	12	12
2-Story	15	12	12	12
3-Story	23	17	12	12
4-inch brick veneer over light frame or 8-inch hollow concrete masonry				
1-Story	12	12	12	12
2-Story	21	16	12	12
3-Story	32	24	16	12
8-inch solid or fully grouted masonry				
1-Story	16	12	12	12
2-Story	29	21	14	12
3-Story	42	32	21	16

For SI: 1 inch = 25.4 mm, 1 pound per square foot = 0.0479 kPa.

^a Where minimum footing width is twelve (12) inches, use of a single width of solid or fully grouted twelve (12)-inch nominal concrete masonry units is permitted.

Z. Section R403.1.1 shall be deleted and replaced with the following:

R403.1.1 Minimum size. Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). The footing width (W) shall be based on the load bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least six (6) inches in thickness (T). Footing projections (P) shall be at least two (2) inches and shall not exceed the thickness of the footing. The size of footings supporting piers and

columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1.

~~S. IRC section R501.3 and its exceptions shall be deleted.~~

~~T.AA.~~ IRC section R602.10 shall be deleted, and replaced with the following:

Wall Bracing. Buildings shall be braced in accordance with this section or, when applicable section R602.12, or the most current edition of APA System Report SR-102 as an alternate method. Where a building, or portion thereof, does not comply with one (1) or more of the bracing requirements in this section, those portions shall be designated and constructed in accordance with section R301.1.

~~U. The following sections and tables of IRC chapter 11 shall be amended in accordance with the requirements contained below:~~

- ~~1. Table N1102.1.1 (IECC table R402.1.1), Insulation And Fenestration Requirements By Component;~~
- ~~2. Table N1102.1.3 (IECC table R402.1.3), Equivalent U Factors;~~
- ~~3. Table N1102.2.6 (IECC table R402.2.6), Steel Frame Ceiling, Wall And Floor Insulation (R-Value);~~
- ~~4. Section N1102.4.1 (IECC R402.4.1), Building Thermal Envelope;~~
- ~~5. Section N1102.4.1.1 (IECC R402.4.1.1), Installation;~~
- ~~6. Table N1102.4.1.1 (IECC table R402.4.1.1), Air Barrier And Insulation Installation;~~
- ~~7. Section N1102.4.1.2 (IECC R402.4.1.2), Testing Option;~~
- ~~8. Add section N1102.4.1.3 (IECC R402.4.1.3), Visual Inspection Option;~~
- ~~9. Add section N1102.6 (IECC R402.6), Residential Log Home Thermal Envelope;~~
- ~~10. Add table N1102.6 (IECC table R402.6), Log Home Prescriptive Thermal Envelope Requirements By Component; and~~
- ~~11. Section N1104.1 (IECC R404.1), Lighting Equipment.~~

~~V.BB.~~ IRC Appendices A, B, C, D, H, I, ~~J, and K,~~ and Q shall be mandatory.

Section 4. That Meridian City Code section 10-1-4, shall be repealed, and replaced with the following:

10-1-4: AMENDMENTS TO INTERNATIONAL ENERGY CONSERVATION CODE:

The following amendments to the IECC shall apply:

A. The rows in Table R402.1.2 for climate zones “5 and Marine 4” and “6” shall be deleted and replaced with the following:

<p style="text-align: center;">TABLE R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT ^a</p>
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Climate Zone	Fenestration U-Factor ^b	Skylight U-factor	Glazed Fenestration SHGC ^{b, e}	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value ⁱ	Floor R-Value	Basement ^c Wall R-Value	Slab ^d R-Value & Depth	Crawlspace ^c Wall R-Value
5	0.32	0.55	NR	38	20 or 13+5 ^h	13/17	30 ^g	15/19	10, 2 ft	15/19
6	0.30	0.55	NR	49	22 or 13+5 ^h	15/20	30 ^g	15/19	10, 4 ft	15/19

B. The following footnote shall be added to the title of IRC table R402.1.2, Insulation And Fenestration Requirements By Component:

k. For residential log home building thermal envelope construction requirements see section R402.6.

C. The rows in Table R402.1.4 for climate zones “5 and Marine 4” and “6” shall be deleted and replaced with the following:

TABLE R402.1.4 EQUIVALENT U-FACTORS ^a								
Climate Zone	Fenestration U-factor	Skylight U-factor	Ceiling U-factor	Frame Wall U-factor	Mass Wall U-factor ^b	Floor U-factor	Basement Wall U-factor	Crawlspace Wall U-factor
5	0.32	0.55	0.030	0.060	0.082	0.033	0.050	0.055
6	0.30	0.55	0.026	0.057	0.060	0.033	0.050	0.055

D. Section R402.4.1 shall be deleted and replaced with the following:

R402.4.1 Building thermal envelope. 1. Until June 30, 2021, the building thermal envelope shall comply with Sections R402.4.1.1 (Installation) and either Section R402.4.1.2 (Testing) or Section R402.4.1.3 (Visual inspection). 2. Effective July 1, 2021, the building thermal envelope of a minimum of twenty percent (20%) of all new single-family homes constructed by each builder shall comply with Section R402.4.1.1 (Installation) and Section R402.4.1.2 (Testing). The authority having jurisdiction may: 2.1. Determine how to enforce this requirement, starting with the fifth house and continuing with each subsequent fifth house. 2.2. Waive this requirement if significant testing indicates the five (5) air changes per hour (ACH) requirement is consistently being met or exceeded (resulting in a lower ACH). 2.3. Grant exceptions to this requirement in rural areas where testing equipment is not available or cost effective. 3. Effective July 1, 2021, the building thermal envelope of eighty percent (80%) of all new single-family homes constructed by each builder shall comply with Section R402.4.1.1 (Installation) and either Section R402.4.1.2 (Testing) or Section R402.4.1.3 (Visual inspection). 4. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

E. Section R402.4.1.1 shall be deleted and replaced with the following:

R402.4.1.1 Installation. The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer’s instructions and the criteria listed in Table R402.4.1.1, as applicable to the method of construction.

F. Section R402.4.1.2 shall be deleted and replaced with the following:

R402.4.1.2 Testing. Testing building envelope tightness and insulation installation shall be considered acceptable when tested air leakage is less than five (5) air changes per hour (ACH) when tested with a blower door at a pressure of 33.5 psf (50 Pa). Testing shall occur after rough in and after installation of penetrations of the building envelope, including penetrations for utilities, plumbing, electrical, ventilation and combustion appliances. Testing shall be conducted in accordance with RESNET/ ICC 380, ASTM E 779 or ASTM E 1827 and reported at a pressure of 0.2-inch w.g. (50 Pascals). During testing: 1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed. 2. Dampers shall be closed, but not sealed, including exhaust, intake, makeup air, backdraft and flue dampers. 3. Interior doors shall be open. 4. Exterior openings for continuous ventilation systems and heat recovery ventilators shall be closed and sealed. 5. Heating and cooling system(s) shall be turned off. 6. HVAC ducts shall not be sealed. 7. Supply and return registers shall not be sealed.

G. A new section, Section R402.4.1.3, shall be added, to read as follows:

R402.4.1.3 Visual inspection. Building envelope tightness and insulation installation shall be considered acceptable when the items listed in Table R402.4.1.1, applicable to the method of construction, are field verified. Where required by code official an approved party independent from the installer of the insulation shall inspect the air barrier and insulation.

H. A new section, Section R402.6, shall be added, to read as follows:

R402.6 Residential log home thermal envelope. Residential log home construction shall comply with Section R401 (General), Section R402.4 (Air leakage), Section R402.5 (Maximum fenestration U-factor and SHGC), Section R403.1 (Controls), the mandatory sections of Sections R403.3 through R403.9, Section R404 (Electrical Power and Lighting Systems), and either 1., 2., or 3. as follows: 1. Sections R402.2 through R402.3, Section R403.3.1 (Insulation), Section R404.1 (Lightning equipment), and Table R402.6 (Log Home Prescriptive Thermal Envelope Requirements by Component). 2. Section R405 (Simulated Performance Alternative). 3. REScheck (U.S. Department of Energy Building Codes Program).

I. A new table, Table R402.6, shall be added, to read as follows:

TABLE R402.6 LOG HOME PRESCRIPTIVE THERMAL ENVELOPE REQUIREMENTS BY COMPONENT									
For SI: 1 foot = 304.8 mm.									
Climate Zone	Fenestration U-factor ^a	Skylight U-factor	Glazed Fenestration SHGC	Ceiling R-value	Min. Average Log Size In Inches	Floor R-value	Basement Wall R-value ^d	Slab R-value & Depth ^b	Crawl Space Wall R-value ^d
5, 6 - High efficiency equipment path ^c	0.32	0.60	NR	49	5	30	15/19	10, 4 ft.	10/13

5	0.32	0.60	NR	49	8	30	10/13	10, 2 ft.	10/13
6	0.30	0.60	NR	49	8	30	15/19	10, 4 ft.	10/13

^aThe fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.

^bR-5 shall be added to the required slab edge R-values for heated slabs.

^c90% AFUE natural gas or propane, 84% AFUE oil, or 15 SEER heat pump heating equipment (zonal electric resistance heating equipment such as electric base board electric resistance heating equipment as the sole source for heating is considered compliant with the high efficiency equipment path).

^d“15/19” means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. “15/19” shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. “10/13” means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

J. Section R403.5.3 shall be deleted and replaced with the following:

R403.5.3 Hot water pipe insulation (Prescriptive). Insulation for hot water piping with a thermal resistance, R-value, of not less than R-3 shall be applied to the following: 1. Piping serving more than one (1) dwelling unit. 2. Piping located outside the conditioned space. 3. Piping located under a floor slab. 4. Buried piping. 5. Supply and return piping in recirculation systems other than demand recirculation systems.

K. Section R404.1 shall be deleted and replaced with the following:

R404.1 Lighting equipment (Mandatory). A minimum of seventy-five percent (75%) of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of seventy-five percent (75%) of the permanently installed lighting fixtures shall contain only high efficacy lamps.

L. Section R406.3 shall be deleted and replaced with the following:

R406.3 Energy Rating Index. The Energy Rating Index (ERI) shall be determined in accordance with RESNET/ICC 301. Energy used to recharge or refuel a vehicle used for transportation on roads that are not on the building site shall not be included in the ERI reference design or the rated design.

M. Table R406.4 shall be deleted and replaced with the following:

Table R406.4 - Maximum Energy Rating Index

Climate Zone	Energy Rating
5	68
6	68

^a Where on-site renewable energy is included for compliance using the ERI analysis of Section R406.4, the building shall meet the mandatory requirements of Section R406.2, and the building thermal envelope shall be greater than or equal to the levels of efficiency and SHGC in Table R402.1.2 or Table R402.1.4 of the 2015 International Energy Conservation Code.

N. A new section, Section C101.5.2, shall be added to read as follows:

C101.5.2 Industrial, electronic, and manufacturing equipment. Buildings or portions thereof that are heated or cooled exclusively to maintain the required operating

temperature of industrial, electronic, or manufacturing equipment shall be exempt from the provisions of this code. Such buildings or portions thereof shall be separated from connected conditioned space by building thermal envelope assemblies complying with this code.

O. The following exception shall be added to Section C402.5 Air leakage—thermal envelope (Mandatory):

Exception: For buildings having over fifty thousand (50,000) square feet of conditioned floor area, air leakage testing shall be permitted to be conducted on less than the whole building, provided the following portions of the building are tested and their measured air leakage is area-weighted by the surface areas of the building envelope: 1. The entire floor area of all stories that have any spaces directly under a roof. 2. The entire floor area of all stories that have a building entrance or loading dock. 3. Representative above-grade wall sections of the building totaling at least twenty-five percent (25%) of the above-grade wall area enclosing the remaining conditioned space. Floor area tested under subparagraphs 1. or 2. of this exception shall not be included in the twenty-five percent (25%) of above-grade wall sections tested under this subparagraph.

P. The following exception shall be added to Section C403.5 Economizers (Prescriptive):

7. Unusual outdoor air contaminate conditions – Systems where special outside air filtration and treatment for the reduction and treatment of unusual outdoor contaminants, makes an air economizer infeasible.

Q. Table C404.5.1 shall be deleted and replaced with the following:

TABLE C404.5.1 PIPING VOLUME AND MAXIMUM PIPING LENGTHS			
NOMINAL PIPE SIZE (inches)	VOLUME (liquid ounces per foot length)	MAXIMUM PIPING LENGTH (feet)	
		Public lavatory faucets	Other fixtures and appliances
1/4	0.33	31	50
5/16	0.5	N/A - non-standard size	50
3/8	0.75	17	50
1/2	1.5	10	43
5/8	2	7	32
3/4	3	5	21
7/8	4	N/A - non-standard size	16
1	5	3	13
1 1/4	8	2	8
1 1/2	11	1	6
2 or larger	18	1	4

For SI: 1 inch = 25.4 mm; 1 foot = 304.8 mm; 1 liquid ounce = 0.030 L; 1 gallon = 128 ounces.

Section 5. That Meridian City Code section 10-2-3(B) shall be amended as follows:

- B. Permit And Inspection Fees: Fees for permits and inspections shall be fixed by the city council by resolution.
1. Payment Due Upon Issuance: Payment for all permit types is required at the time the permit is issued. Permits shall not be issued until fees are paid.
 2. Permit Fee Refunds: Up to eighty percent (80%) of the permit fee paid may be refunded to the permit holder upon request, if the permit holder has not commenced any work under said permit. The permit holder shall request such refund in writing to the public works director or designee no later than one hundred eighty (180) days following the date of permit issuance. Plan review fees shall not be refunded in part or in whole after completion of plan review.
 3. Permit Transfer: A permit granted pursuant to this chapter may be transferred from one permit holder to another permit holder upon written request by the current permit holder to the public works director or designee. Expired permits may not be transferred. No permit transfer may be made without written approval of the Community Development Department director or designee; if transfer is attempted without written approval of the Community Development Department director or designee, such permit shall be deemed void.

Section 6. That Meridian City Code section 10-3-3(E), shall be amended as follows:

10-3-3: PERMIT REQUIRED; APPLICATION; ISSUANCE:

- E. Permit And Inspection Fees: Fees for permits and inspections shall be fixed by the city council by resolution.
1. Payment Due Upon Issuance: Payment for all permit types is required at the time the permit is issued. Permits shall not be issued until fees are paid.
 2. Permit Fee Refunds: Up to eighty percent (80%) of the permit fee paid may be refunded to the permit holder upon request, if the permit holder has not commenced any work under said permit. The permit holder shall request such refund in writing to the Community Development Department director or designee no later than one hundred eighty (180) days following the date of permit issuance. Plan review fees shall not be refunded in part or in whole after completion of plan review.
 3. Permit Transfer: A permit granted pursuant to this chapter may be transferred from one permit holder to another permit holder upon written request by the current permit holder to the Community Development Department director or designee. Expired permits may not be transferred. No permit transfer may be made without written approval of the Community Development Department director or designee; if transfer is attempted without written approval of the Community Development Department director or designee, such permit shall be deemed void.

Section 7. That Title 10, Chapter 4, Meridian City Code, shall be repealed and replaced as follows:

Chapter 4 FIRE CODE

10-4-1: FIRE CODE ADOPTED:

There is hereby adopted by the mayor and the city council of the city of Meridian, county of Ada, state of Idaho, for the purpose of regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the city of Meridian, Idaho, and providing for the issuance of permits for hazardous uses or operations; and each and all of the regulations, provisions, conditions, terms, and appendices of such International Fire Code, 2018 edition, published by the International Code Council, Inc., and the same are hereby adopted and incorporated as fully as if set out at length herein, with the revisions, additions, and deletions thereto as set forth in this chapter. From the date in which this chapter shall take effect, the provisions of the international fire code, 2018 edition, and the revisions, additions, and deletions thereto as set forth in this chapter shall be controlling within the limits of the city of Meridian.

10-4-2: AMENDMENTS TO THE FIRE CODE:

To the extent that any provision of the international fire code, 2018 edition (hereinafter IFC) conflicts with a provision of Idaho Code, the provision of Idaho Code shall prevail. Additionally, the following amendments to the IFC shall apply:

IFC section 101.2.1 shall be replaced with language to read as follows:

Section 101.2.1 Appendices. All Appendices shall be mandatory except Appendix J.

IFC section 103.2 shall be amended to read as follows:

Section 103.2 Appointment. The code official shall be the fire chief of the city of Meridian. In the absence or by designation of the fire chief, the deputy chief/fire prevention or designee shall be the code official.

IFC section 103.3 shall be amended to read as follows:

Section 103.3 Deputies. In accordance with the prescribed procedures of the city of Meridian the fire chief shall have the authority to appoint a deputy fire chief/fire prevention, or other technical officer, inspectors and other employees.

IFC section 104.1 shall be amended to read as follows:

Section 104.1 General. The fire code official is hereby authorized to enforce the provisions of the IFC as herein adopted and amended and shall have the authority to render interpretations of the IFC as herein adopted and amended, and to adopt policies, procedures, rules and regulations in order to clarify the application of such provisions. Such interpretations, policies, procedures, rules and regulations shall be in compliance with the intent and purpose of the IFC as herein

adopted and amended and shall not have the effect of waiving requirements specifically provided for in the IFC as herein adopted and amended.

The fire chief is authorized to administer and enforce the IFC as herein adopted and amended. Under the fire chief's direction, the fire department is authorized to enforce all ordinances of the city of Meridian pertaining to:

- a. The prevention of fires;
- b. The suppression or extinguishment of dangerous or hazardous fires;
- c. The storage, use and handling of hazardous materials;
- d. The installation and maintenance of automatic, manual and other private fire alarm systems and fire-extinguishing equipment;
- e. The maintenance and regulation of fire escapes;
- f. The maintenance of fire protection and the elimination of fire hazards on land and in buildings, and other property, including those under construction;
- g. The maintenance of means of egress; and
- h. The investigation of the cause, origin and circumstances of fire and unauthorized releases of hazardous materials, except that for authority related to control and investigation of emergency scenes, IFC section 104.11 shall apply.

A new section shall be added to the provisions of the IFC as follows:

Section 104.10.2 Fire Prevention Personnel And Police. As requested by the fire chief, the chief of police shall be authorized to assign such available police officers as necessary to assist the fire department in enforcing the provisions of the IFC as herein adopted and amended.

IFC section 105.1.1 shall be amended to read as follows:

Section 105.1.1 Permits required. A property owner or owner's authorized agent who intends to conduct an operation or business, or install or modify systems and equipment that are regulated by this code, or to cause any such work to be performed, shall first make application to the fire code official and obtain a permit if required by the Meridian Fire Department.

A new section shall be added to the provisions of the IFC as follows:

Section 105.3.9 Working Without Permit. Any person who commences or causes the commencement of work for which a permit is required under the IFC as herein adopted and amended or under other provision of law without first obtaining each and every required permit, shall, upon application for such permit or permits, pay a doubled permit fee or fees, as established by fee schedule. This provision shall not apply to emergency repair work performed during off-business hours, where such emergency repair work is undertaken in order to reinstate operational status, so long as each and every applicable permit is obtained on the next business day.

IFC section 110.4 shall be amended to read as follows:

Section 110.4 Violation Penalties. Persons who shall violate a provision of the IFC as herein adopted and amended or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of the IFC as herein adopted and amended, shall be guilty of a misdemeanor, punishable by a fine of not more

than \$500.00 dollars or by imprisonment not exceeding 30 days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

IFC section 112.4 shall be deleted.

IFC section 106.5 shall be amended to read as follows:

Section 106.5 Refunds. Up to eighty percent (80%) of the permit fee paid may be refunded to the permit holder upon request. The permit holder shall request such refund in writing to the Community Development Department director or designee no later than one hundred eighty (180) days following the date of permit issuance. Plan review fees shall not to be refunded in part or in whole after completion of plan review.

A new section shall be added to the provisions of the IFC as follows:

Section 106.6 Permit Transfer. A permit granted pursuant to this code may be transferred from one permit holder to another permit holder upon written request by the current permit holder to the Community Development Department director or designee. Expired permits may not be transferred. No permit transfer may be made without written approval of the Community Development Department director or designee; if transfer is attempted without written approval of the Community Development Department director or designee, such permit shall be deemed void.

These definitions shall be added to IFC section 202:

DRIVEWAY. A vehicular ingress and egress route that serves no more than six (6) single family dwellings, not including accessory structures.

FIRE STATION. A building, or portion of a building that provides, at a minimum, all weather protection for fire apparatus. Temperatures inside the building used for this purpose must be maintained at above thirty-two (32) degrees Fahrenheit.

IFC section 307.1.1 shall be amended to read as follows:

Section 307.1.1 Prohibited open burning. Open burning shall be prohibited when atmospheric conditions or local circumstances make such fires hazardous. Hazardous conditions shall include, but shall not be limited to: a) winds of ten miles per hour (10 mph) or greater; b) a red flag warning of high fire danger issued by the National Weather Service; or c) an open burning ban due to the air quality index or other conditions determined by the Idaho Department of Environmental Quality.

IFC section 307.4.2 shall be amended to read as follows:

Section 307.4.2 Recreational fires. Recreational fires shall not be conducted within 25 feet (7620 mm) of a structure or combustible material. Conditions that could cause a fire to spread within 25 feet (7620 mm) of a structure shall be eliminated prior to ignition. Recreational fires shall not have a total fuel area larger than three feet (3') in diameter and not more than two feet (2') in height.

A new section shall be added to the provisions of the IFC as follows:

Section 307.6 Open burning rules. The following additional rules shall apply to open burning:

307.6.1 Hours. Open burning shall be allowed only between 8:00 a.m. and sunset, with the exception of recreational fires.

307.6.2 Prohibited materials. Burning of the following materials shall be prohibited at all times and under all conditions: yard waste, grass clippings, hazardous materials, construction waste, demolition or salvage debris, junk motor vehicles, commercial waste, industrial waste, tar or tar paper, railroad ties, oil, grease, household waste, tires, plastics, paints, petroleum products, telephone poles, rubber, dead animals, asphalt materials, preservative-treated wood, pathogenic waste, and/or insulated wire.

307.6.3 Burn barrels prohibited. Open burning in metal barrels shall be prohibited.

307.6.4 Smoke management. Any person conducting an open burn shall ensure that smoke caused by burning shall rise up and away from neighboring residences, highways, and other populated areas.

IFC section 308.1.6.3 shall be amended to read as follows:

Section 308.1.6.3 Sky Lanterns. It shall be unlawful for any person to release a sky lantern or cause a sky lantern to be released, whether tethered or untethered. It shall be unlawful for any person to sell sky lanterns inside the boundaries of the City of Meridian.

IFC section 501.3 shall be amended to read as follows:

501.3 Construction documents. Construction documents for proposed driveways, fire apparatus access, location of fire lanes, security gates across fire apparatus access roads and construction documents and hydraulic calculations for fire hydrant systems shall be submitted to the fire department for review and approval prior to construction.

IFC section 501.4 shall be amended to read as follows:

501.4 Timing of installation. Where fire apparatus access roads, driveways, or a water supply for fire protection are required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction except where approved alternative methods of protection are provided. Temporary street signs shall be installed at each street intersection where construction of new roadways allows passage by vehicles in accordance with Section 505.2.

A new section shall be added to the provisions of the IFC as follows:

Section 501.4.1 Fire Hydrant Installation Timing. All necessary fire hydrants shall be installed and operational before any combustible materials, as such term is defined by the international building code, 2018 edition, may be brought onto the site. Failure to comply with this provision will result in a stop work order which shall be effective until all necessary fire hydrants are installed and operational.

The following words shall be added to IFC section 502.1:

DRIVEWAY

FIRE STATION

The following words shall be added to the heading of IFC section 503:

AND DRIVEWAYS

IFC section 503.1.1 shall be amended to read as follows:

503.1.1 Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility, building, or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45 720 mm) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility. Driveways shall be provided and maintained in accordance with Sections 503.1.1 through 503.4.1.

Exceptions:

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

1.1 The building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2, or 903.3.1.3.

1.2 Fire apparatus access roads cannot be installed because of location on property, topography, waterways, nonnegotiable grades or other similar conditions, and an approved alternative means of fire protection is provided.

1.3 There are not more than two Group R-3 or Group U occupancies.

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

A new section, section 503.7, shall be added to the provisions of the IFC as follows:

Section 503.7 Driveways. Driveways shall be provided when any portion of an exterior wall of the first story of a building is located more than 150 feet (45720mm) from a fire apparatus access road. Driveways shall provide a minimum unobstructed width of 12 feet (3658mm) and a minimum unobstructed height of 13 feet 6 inches (4115mm). Driveways in excess of 150 feet (45720mm) in length shall be provided with turnarounds. Driveways in excess of 200 feet (60960mm) in length and less than 20 feet (6096mm) in width may require turnouts in addition to turnarounds.

Section 503.7.1 Limits. A driveway shall not serve in excess of six (6) single family dwellings.

Section 503.7.2 Turnarounds. See Appendix D, Fire Apparatus Access Roads.

Section 503.7.3 Turnouts. Where line of sight along a driveway is obstructed by a man-made or natural feature, turnouts shall be located as may be required by the fire code official to provide for safe passage of vehicles. Driveway turnouts shall be of an all-weather road surface at least 10 feet (3048mm) wide and 30 feet (9144mm) long.

Section 503.7.4 Bridge Load Limits. Vehicle load limits shall be posted at both entrances to bridges on driveways and private roads. Design loads for bridges shall be established by the fire code official.

Section 503.7.5. Fire Apparatus Access Road Address Markers. All buildings shall have a permanently posted address, which shall be placed at each driveway entrance and be visible from both directions of travel along the road. In all cases, the address shall be posted at the beginning

of construction and maintained thereafter. Address signs along one-way roads shall be visible from both the intended direction of travel and the opposite direction. Where multiple addresses are required at a single driveway, they shall be mounted on a single post, and additional signs shall be posted at locations where driveways divide.

Section 503.7.5.1. Lighted Address Markers. If required the address marker shall be backlit or front lit. The accompanying site map shall also be lit for Police, Fire or EMS to easily see them from dusk to dawn.

Section 503.7.6 Grade. The gradient for driveways shall not exceed 10 percent unless approved by the fire code official.

Section 503.7.7 Security Gates. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and emergency operation shall be maintained operational at all times.

Section 503.7.8 Surface. Driveways shall be designed and maintained to support the imposed loads of local responding fire apparatus and shall be surfaced as to provide all weather driving capabilities.

IFC Section 505.1.1 shall be amended to read as follows:

Section 505.1.1 Address Identification. The required height of each address number shall be calculated by the distance of the addressed building from the road, as follows: where the building is less than one hundred feet (100') from the road, the height of each address number shall be six inches (6") in height; where the building is one hundred feet to one hundred fifty feet (100-150') from the road, the height of each address number shall be at least eight inches (8") in height; where the building is one hundred fifty-one feet to two hundred feet (151-200') from the road, the height of each address number shall be ten inches (10") in height; where the building is two hundred one feet to two hundred fifty-one feet (201-251') from the road, the height of each address number shall be twelve inches (12") in height.

A new section shall be added to the provisions of the IFC as follows:

Section 505.1.2 Multi-Tenant or Suite Identification. Tenant space or suite identification shall be of sufficient size to be clearly visible from the road or drive aisle, and shall be installed on exterior front and rear access doors.

IFC section 507.2 shall be amended to read as follows:

Section 507.2 Type of Water Supply. A water supply shall consist of water delivered by fire apparatus, reservoirs, pressure tanks, elevated tanks, water mains, or other sources approved by the fire code official capable of providing the required fire flow, except that the water supply required by this code shall only apply to structures served by a municipal fire department of a fire protection district and within ten miles (16093m) of a responding fire station.

The exceptions to IFC section 507.5.1 shall not apply.

IFC 604.5.4 shall be amended to read as follows:

Section 604.5.4 Grounding. Extension cords without a grounding lug shall not be permitted.

IFC section 903.3.7 shall be amended to read as follows:

Section 903.3.7 Fire Department Connections. The location of the fire department connection shall be within one hundred feet (100') of a fire hydrant unless approved by the fire chief or designee.

A new section shall be added to the provisions of the IFC as follows:

Section 903.4.1.1 All Buildings That Are Required To Be Sprinklered. An approved audible sprinkler flow alarm to alert the occupants of each tenant space shall be provided in the interior of the building at a normally attended location within each tenant space with a minimum of one per floor.

A new section shall be added to the provisions of the IFC as follows:

Section 903.4.2.2 Alarms. Approved audible devices and visual alarms with a minimum candela rating of 110 shall be connected to every automatic sprinkler system on the exterior of the building per NFPA standard 13/13R located above the fire department connection. A combination audible and visual alarm device is acceptable.

IFC section 903.4.3 shall be amended to read as follows:

Section 903.4.3 Floor Control Valves. Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor in institutional and multi-tenant buildings two or more stories in height.

A new section shall be added to the provisions of the IFC as follows:

Section 903.4.4 Location Of Fire Sprinkler Controls. Sprinkler riser and appurtenances shall be enclosed in a one hour rated room equipped with an exterior door.

IFC section 904.1.1 shall be amended to read as follows:

Section 904.1.1 Certification of service personnel for fire-extinguishing equipment. If required by the authority having jurisdiction, service personnel providing or conducting maintenance on automatic fire-extinguishing systems, other than automatic sprinkler systems, shall possess a valid certificate issued by an approved governmental agency, or other approved organization for the type of system and work performed.

IFC section 906.2.1 shall be amended to read as follows:

906.2.1 Certification of service personnel for portable fire extinguishers. If required by the authority having jurisdiction, service personnel providing or conducting maintenance on portable fire extinguishers shall possess a valid certificate issued by an approved governmental agency, or other approved organization for the type of work performed.

A new section shall be added to the provisions of the IFC as follows:

Section 907.1.4 Non-Required Fire Alarm Systems. Where fire alarm systems not required by the IFC as herein adopted and amended or other provision of law are installed, any and all notification devices shall meet the minimum design, installation, and occupant notification

requirements for systems which are required by the IFC as herein adopted and amended or other provision of law.

A new section shall be added to the provisions of the IFC as follows:

Section 907.1.5 Partial Or Limited Fire Alarm Detection Systems. Where partial or limited fire alarm detection systems are installed, any and all notification devices shall meet the minimum design, installation, and occupant notification requirements applicable to full and/or unlimited fire alarm systems.

IFC section 912.4.1 shall be amended to read as follows:

Section 912.4.1 Locking fire department connection caps. Automatic Sprinkler and Standpipe systems shall be equipped with locking caps at all FDC connections.

IFC section 1101.1 shall be amended to read as follows:

Section 1101.1 Scope. The provisions of this chapter shall apply to existing buildings constructed prior to the adoption of this code only, if in the opinion of the fire code official, they constitute a distinct hazard to life or property.

A new section shall be added to the provisions of the IFC as follows:

2404.3.3.7 Inflatable or Portable Spray Booths. Inflatable or portable spray booths shall be prohibited from use unless specifically listed and approved for such use.

IFC chapter 56 shall be amended as follows:

Chapter 56 Explosives and Fireworks. Delete Sections 5601.1.3, 5601.2.2, 5601.2.3, 5601.2.4.1, 5601.2.4.2, 5608.2, 5608.2.1, and 5608.3.

IFC chapter 80 shall be amended as follows:

Chapter 80 Referenced Standards. Where referenced, the following NFPA standards shall refer to same in the following editions:

NFPA Standard	Year Edition	NFPA Standard	Year Edition	NFPA Standard	Year Edition	NFPA Standard	Year Edition
2	2020	34	2018	120	2020	505	2018
4	2015	40	2019	160	2016	652	2019
10	2018	45	2019	170	2018	654	2020
11	2016	51	2018	204	2018	655	2017
12	2018	52	2019	211	2019	664	2020
12A	2018	55	2020	241	2019	701	2019
13	2019	56	2020	253	2015	703	2018
13D	2019	58	2020	260	2019	704	2017
13R	2019	59A	2019	261	2018	720	2015
14	2019	61	2020	265	2019	750	2019
15	2017	69	2019	286	2019	853	2020
16	2019	70	2020	289	2019	914	2019
17	2017	72	2019	303	2016	1122	2018
17A	2017	80	2019	318	2018	1123	2018
20	2019	85	2019	326	2020	1124	2017

24	2019	86	2019	385	2017	1125	2017
25	2020	92	2018	400	2019	1126	2021
30	2018	96	2017	407	2017	1127	2018
30A	2018	99	2018	409	2016	1221	2019
30B	2019	101	2018	410	2020	2001	2018
31	2020	105	2019	484	2019	2010	2020
32	2016	110	2019	495	2018		
33	2018	111	2019	498	2018		

Section 8. That Meridian City Code section 10-5-1 shall be amended as follows:

10-5-1: ADOPTION OF INTERNATIONAL MECHANICAL CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL RESIDENTIAL CODE PARTS V AND VI, AND LOCAL AMENDMENTS:

The following codes, published by the International Code Council, ~~including all appendices thereto,~~ are hereby adopted and incorporated in full as if set forth at length herein, and shall apply and control within the City of Meridian, save and except such portions as hereinafter deleted, modified or amended:

- A. The ~~2012~~2018 edition of the International Mechanical Code (~~hereinafter IMC~~), including appendix A, as adopted by the State of Idaho, together with rules and regulations adopted by the State of Idaho, as amended by section 10-5-2 of this chapter (hereinafter IMC);
- B. The ~~2012~~ 2018 International Fuel Gas Code (~~hereinafter IFGC~~) including appendices A, B, C, and D, as adopted by the State of Idaho, together with rules and regulations adopted by the State of Idaho, as amended by section 10-5-3 of this chapter (hereinafter IFGC); and
- C. IRC parts V and VI, with appendices A, B, C and D, published under the authority of the International Code Council, Inc., as adopted by the State of Idaho, together with rules and regulations adopted by the State of Idaho, as amended by section 10-5-4 of this chapter.

Section 9. That Meridian City Code section 10-5-2 shall be amended as follows:

10-5-2: AMENDMENTS TO INTERNATIONAL MECHANICAL CODE:

The following amendments to the IMC shall apply:

- A. The following definitions provided in IMC section 202, Definitions, shall be amended as follows:

Light-Duty Cooking Appliance: Light-duty cooking appliances include gas and electric ovens (including standard, bake, roasting, revolving, retherm, convection, combination convection/steamer, countertop conveyORIZED baking/finishing, deck, pastry, ~~and electric and gas conveyor pizza~~ ovens), electric and gas steam jacketed kettles, electric and gas pasta cookers, electric and gas compartment steamers (both pressure and atmospheric) and electric and gas cheesemelters.

Medium-Duty Cooking Appliance: Medium-duty cooking appliances include electric discrete element ranges (with or without oven), electric and gas hot-top ranges, electric and gas griddles, electric and gas double sided griddles, electric and gas fryers (including open deep fat fryers, donut fryers, kettle fryers and pressure fryers), electric and gas conveyor pizza ovens, electric and gas tilting skillets (braising pans) and electric and gas rotisseries.

B. The following language shall be added to IMC section 401.1 Scope:

Exception: The principles specified in ASHRAE 62-2010 may be used as an alternative to this chapter to demonstrate compliance with required ventilation air for occupants.

C. The following language shall be added to IMC section ~~504.6.1~~504.8.1 Material And Size:

Exception: Dryer duct may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available.

D. The following language shall be added to IMC table 603.4 Duct Construction Minimum Sheet Metal Thickness For Single Dwelling Units:

Exception: Round duct, enclosed rectangular ducts and fittings less than fourteen (14) inches may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available.

Section 10. That Meridian City Code section 10-5-3 shall be amended as follows:

10-5-3: AMENDMENTS TO THE INTERNATIONAL FUEL GAS CODE:

A. IFGC section 109 shall be deleted.

~~A. B.~~ The last sentence of IFGC section 406.4 shall be deleted, and replaced with language to read as follows:

Mechanical gauges used to measure test pressure shall have a range such that the highest end of the scale is not greater than two (2) times the test pressure nor lower than one and one-half (1.5) times the test pressure.

~~B. C.~~ IFGC section 406.4.1 shall be deleted, and replaced with language to read as follows:

Test Pressure. Not less than twenty (20) psig (140kPa gauge) test pressure shall be required for systems with a maximum working pressure up to ten (10) inches water column. For systems with a maximum working pressure between ten (10) inches water column and ten (10) psig (70kPa gauge); not less than sixty (60) psig (420kPa gauge) test pressure shall be required. For systems over ten (10) psig (70kPa gauge) working pressure, minimum test pressure shall be no less than six (6) times working pressure.

~~C. D.~~ IFGC section 406.4.2 shall be deleted, and replaced with language to read as follows:

The test duration shall not be less than twenty (20) minutes.

~~D. The last sentence of IFGC section 408.4 shall be deleted, and replaced with language to read as follows:~~

~~Illuminating appliances, ranges, clothes dryers, outdoor grills, decorative vented appliances for installation in vented fireplaces, and gas fireplaces need not be so equipped.~~

- E. A new section, IFGC section 503.4.1.2, shall be added, to read as follows:
Testing. All plastic pipe within a dwelling used for venting flue gases shall be tested at five (5) psi for fifteen (15) minutes.
- F. A new sentence shall be added to IFGC section 505.1.1, to read as follows:
An interlock between the cooking appliance and the exhaust hood system shall not be required for appliances that are of the manually operated type and are factory equipped with standing pilot burner ignition systems.

Section 11. That Meridian City Code sections 10-5-4(H–M) shall be amended as follows:

- ~~H. A new sentence shall be added to section M1507.3.1, to read as follows:
Outdoor air shall be ducted predominantly horizontal to avoid chimney effect. Outdoor air ducts will contain an accessible back draft damper and be designed to have an open cross section of twenty (20) square inches per one thousand (1,000) square feet of conditioned space.~~
- I.H. The following language shall be added to table M1601.1.1(2):
Round duct, enclosed rectangular ducts and fittings less than fourteen (14) inches may be constructed of 0.013 (30 gage) or equivalent if prefabricated 0.016 (28 gage) ducts and fittings are not available.
- ~~J.I~~ The last sentence of section G2417.4 (406.4) shall be deleted, and replaced with language to read as follows:
Mechanical gauges used to measure test pressure shall have a range such that the highest end of the scale is not greater than two (2) times the test pressure nor lower than one and one-half (1.5) times the test pressure.
- ~~K.J.~~ Section G2417.4.1 (IFGC 406.4.1) shall be deleted, and replaced with language to read as follows:
The test pressure shall not be less than twenty (20) psig (one hundred forty (140) kPa gauge) test pressure shall be required for systems with a maximum working pressure up to ten (10) inches water column. For systems with a maximum working pressure between ten (10) inches water column and ten (10) psig (seventy (70) kPa gauge), not less than sixty (60) psig (four hundred twenty (420) kPa gauge) test pressure shall be required. For systems over ten (10) psig (seventy (70) kPa gauge) working pressure, minimum test pressure shall be no less than six (6) times working pressure.
- ~~L.K.~~ Section G2417.4.2 (IFGC 406.4.2) shall be deleted, and replaced with language to read as follows:
The test duration shall not be less than twenty (20) minutes.

~~M.L.~~ A new section, section G2427.4.1.2, shall be added, to read as follows:
Testing. All plastic pipe within a dwelling used for venting flue gases shall be tested at five (5) psi for fifteen (15) minutes.

Section 12. It is hereby declared to be the legislative intent that the provisions and parts of this ordinance shall be severable. If any paragraph, part, section, subsection, sentence, clause, or phrase of this ordinance is for any reason held to be invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this ordinance.

Section 13. All City of Meridian ordinances, or resolutions, or parts thereof, which are in conflict herewith, are hereby repealed.

Section 14. That this ordinance shall be effective on January 1, 2021.

PASSED by the City Council of the City of Meridian, Idaho, this 1st day of December, 2020.

APPROVED by the Mayor of the City of Meridian, Idaho, this 1st day of December, 2020.

APPROVED:

Robert Simison, Mayor

ATTEST:

Chris Johnson, City Clerk

**STATEMENT OF MERIDIAN CITY ATTORNEY AS TO
ADEQUACY OF SUMMARY OF ORDINANCE NO. 20-1905**

The undersigned, William L.M. Nary, City Attorney of the City of Meridian, Idaho, hereby certifies that he is the legal advisor of the City and has reviewed a copy of the attached summary of Ordinance no. 20-_____ of the City of Meridian, Idaho, and has found the same to be true and complete and provides adequate notice to the public pursuant to Idaho Code § 50-901A(3).

DATED this 1st day of December, 2020.

William L.M. Nary, City Attorney

