

ORDINANCE # 5472

AN ORDINANCE REPEALING CHAPTER 15.12 OF THE RAPID CITY MUNICIPAL CODE IN ITS ENTIRETY AND ADOPTING A NEW CHAPTER 15.12 OF THE RAPID CITY MUNICIPAL CODE ENTITLED INTERNATIONAL BUILDING CODE.

BE IT ORDAINED by the City of Rapid City that Chapter 15.12 of the Rapid City Municipal Code is repealed in its entirety.

BE IT FURTHER ORDAINED by the City of Rapid City that a new Chapter 15.12 of the Rapid City Municipal Code, entitled International Building Code, be and is hereby adopted as follows:

15.12.100 Adoption

There is adopted by the city that certain code known as the International Building Code, Chapters 1-12, 14-27, 30-35, as recommended by the International Code Council, specifically the 2006 edition thereof, and Appendix C, I and J; for all occupancies except one- and two-family dwellings. A copy of the same is on file in the office of the City Building Official.

BE IT FURTHER ORDAINED that the International Building Code, as adopted, be hereinafter amended as follows:

15.12.110 IBC Chapter 1, Section 101.2 Scope

IBC Chapter 1, Section 101.2 Scope, is here by amended to read as follows:

101.2 Scope. The provisions of this code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exceptions:

1. Detached one- and two- family dwellings and multiple single-family dwellings (town houses) not more than three stories above grade plane in height with a separate means of egress and their accessory structures shall comply with the *International Residential Code*.
2. Existing buildings undergoing repair, alterations, or additions and change of occupancy shall be permitted to comply with the *International Existing Building Code* as an alternate to Chapter 34, Existing Structures, of the *International Building Code*.

15.12.120 IBC Chapter 1, Section 101.4.1 Electrical – Amended

IBC Chapter 1, Section 101.4.1 Electrical, is hereby amended to read as follows:

101.4.1 Electrical. The provisions of the current electrical code adopted by the City of Rapid City shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings, and appurtenances thereto.

15.12.130 IBC Chapter 1, Section 101.4.2 Gas – Amended

IBC Chapter 1, Section 101.4.2 Gas, is herby amended to read as follows:

101.4.2 Gas. The provisions of the Rapid City Gas Code shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connections of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

15.12.140 IBC Chapter 1, Section 101.4.3 Mechanical – Amended

IBC Chapter 1, Section 101.4.3 Mechanical, is hereby amended to read as follows:

101.4.3 Mechanical. The provisions of the current mechanical code adopted by the City of Rapid City shall apply to the installation, alterations, repairs and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.

15.12.150 IBC Chapter 1, Section 101.4.4 Plumbing – Amended

IBC Chapter 1, Section 101.4.4 Plumbing, is hereby amended to read as follows:

101.4.4 Plumbing. The provisions of the current plumbing code adopted by the South Dakota State Plumbing Commission with revisions, shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system.

15.12.160 IBC Chapter 1, Section 101.4.7 Energy – Deleted

IBC Chapter 1, Section 101.4.7 Energy is hereby deleted in its entirety.

15.12.170 IBC Chapter 1, Section 103, DEPARTMENT OF BUILDING SAFETY – Amended

IBC, Chapter 1, Section R103, **DEPARTMENT OF BUILDING SAFETY**, is hereby amended to read as follows:

**SECTION R103
BUILDING PERMIT REVIEW TEAM**

15.12.180 IBC Chapter 1, Section 103.1 Creation of Enforcement Agency – Amended

IBC Chapter 1, Section 103.1 Creation of enforcement agency, is hereby amended to read as follows:

103.1 Creation of enforcement agency. The Building Permit Review Team is hereby created and the official in charge thereof shall be known as the building official.

15.12.190 IBC Chapter 1, Section 105.5 Expiration - Amended

IBC Chapter 1, Section 105.5 Expiration, is hereby amended to read as follows:

105.5 Expiration. Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated. The requirement that all work authorized by a building permit be commenced within 180 days does not operate to change timelines established in any notice and/or order issued by the building official or his designee.

15.12.200 IBC Chapter 1, Section 106.3 Examination of Documents – Amended

IBC Chapter 1, Section 106.3 Examination of documents, is hereby amended to read as follows:

106.3 Examination of documents. The building official shall examine or cause to be examined the accompanying construction documents and shall ascertain by such examinations whether the construction indicated and described is in accordance with the requirements of this code and other pertinent laws or ordinances.

106.3.1 Review of construction documents. When the building official issues a permit, the construction documents shall be reviewed, in writing or by stamp, as “Reviewed for Code Compliance.” One set of construction documents so reviewed shall be retained by the building official. The other set shall be returned to the applicant, shall be kept at the site of work and shall be open to inspection by the building official or a duly authorized representative.

106.3.2 Previous reviews. This code shall not require changes in the construction documents, construction or designated occupancy of a structure for which a lawful permit has been heretofore issued or otherwise lawfully authorized, and the construction of which has been pursued in good faith within 180 days after the effective date of this code and has not been abandoned.

106.3.3 Phased review. The building official is authorized to issue a permit for the construction of foundations or any other part of a building or structure before the construction documents for the whole building or structure have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holder of such permit for the foundation or other parts of a building or structure shall proceed at the holder’s own risk with the building operation and without assurance that a permit for the entire structure will be granted.

15.12.210 IBC Chapter 1, Section 106.3.4.2 Deferred Submittals – Amended

IBC Chapter 1, Section 106.3.4.2 Deferred submittals, is hereby amended to read as follows:

106.3.4.2 Deferred submittals. For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the application and that are to be submitted to the building official within a specified period.

Deferral of any submittal items shall have the prior approval of the building official. The registered design professional in responsible charge shall list the deferred submittals on the construction documents for review by the building official.

Documents for deferred submittal items shall be submitted to the registered design professional in responsible charge who shall review them and forward them to the building official with a notation indicating that the deferred submittal documents have been reviewed and been found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until the design and submittal documents have been reviewed by the building official.

15.12.220 IBC Chapter 1, Section 106.4 Amended Construction Documents – Amended

IBC Chapter 1, Section 106.4 Amended construction documents, is hereby amended to read as follows:

106.4 Amended construction documents. Work shall be installed in accordance with the reviewed construction documents, and any changes made during construction that are not in compliance with the reviewed construction documents shall be resubmitted for review as an amended set of construction documents.

15.12.230 IBC Chapter 1, Section 106.5 Retention of Construction Documents - Amended

IBC Chapter 1, Section 106.5 Retention of construction documents, is hereby amended to read as follows:

106.5 Retention of construction documents. One set of reviewed construction documents shall be retained by the building official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws.

15.12.240 IBC Chapter 1, Section 107.3 Temporary Power – Amended

IBC Chapter 1, Section 107.3 Temporary power, is hereby amended to read as follows:

107.3 Temporary power. The building official is authorized to give permission to temporarily supply and use power in part of an electric installation before such installation has been fully completed and the final certificate of completion has been issued. The part covered by the temporary certificate shall comply with the requirements specified for temporary lighting, heat or power in the current electrical code adopted by the City of Rapid City.

15.12.250 IBC Chapter 1, Section 108.1 Payment of fees - Amended

IBC Chapter 1, Section 108.1 Payment of fees, is hereby amended to read as follows:

108.1 Payment of fees. A permit shall not be valid until the fees prescribed by law have been paid. Nor shall an amendment to a permit be released until the additional fee, if any, has been paid. (Table 100-C)

15.12.260 IBC Chapter 1, Section 108.2 Schedule of permit fees – Amended

IBC Chapter 1, Section 108.2 Schedule of permit fees, is hereby amended to read as follows:

108.2 Schedule of permit fees. On buildings, structures, electrical, gas, mechanical, and plumbing systems or alterations requiring a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority. (Table 100-C)

15.12.270 IBC Chapter 1, Section 108.3 Building Permit Valuations - Amended

IBC Chapter 1, Section 108.3 Building permit valuations, is hereby amended to read as follows:

108.3 Building permit valuations. The estimated permit value shall be determined by the building official. Permit valuations shall include 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 building 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 building official. Final building permit valuation shall be set by the building official.

15.12.280 IBC Chapter 1, Section 108.4 Work commencing before permit issuance – Amended

IBC Chapter 1, Section 108.4 Work commencing before permit issuance, is hereby amended to read as follows:

108.4 Work commencing before permit issuance. Any person who commences any work on a building, structure, electrical, gas, mechanical, or plumbing system before obtaining the necessary permits shall be subject to an additional fee, equal to the amount of the permit fee required by this code, that shall be in addition to the required permit fees. An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The minimum investigation fee shall be

the same as the minimum fee set forth in Table 100-C. The payment of such investigation fee shall not exempt any person from compliance with all other provisions of this code nor from any penalty prescribed by law.

15.12.290 IBC Chapter 1, Section 108.6 Refunds – Amended

IBC Chapter 1, Section 108.6 Refunds, is hereby amended to read as follows:

108.6 Refunds. The building official is authorized to establish a refund policy, which is on file in the office of the building official.

15.12.300 IBC Chapter 1, Section 108.7 Plan Review Fees – Added

IBC Chapter 1, Section 108.7 Plan Review Fees, is hereby added to read as follows:

108.7 Plan review fees. When submittal documents are required, a plan review fee shall be paid at the time of submitting the submittal documents for plan review. Said plan review fee shall be paid as required, in accordance with Table 100-C. The plan review fees specified in this subsection are separate fees from the permit fees specified in Table 100-C and are in addition to the permit fees.

15.12.310 IBC Chapter 1, Section 112 Board of Appeals – Amended

IBC Chapter 1, Section 112 Board of Appeals, is hereby amended to read as follows:

SECTION 112 BOARD OF APPEALS

- A. In order to hear and decide appeals of orders, decisions or determinations made by the city's building official or their designee relative to the application and interpretation of this code, there is hereby created a board of appeals to be known as the Rapid City International Building Code Board of Appeals (IBC Board of Appeals). The decision of the IBC Board of Appeals shall be final.
- B. The membership of the IBC Board of Appeals described in subsection A shall be identical to the membership of the City's Development Appeals and Review Board (DARB). The officers of the DARB Board shall hold the same positions on the IBC Board of Appeals as they hold on the DARB Board. When the members of the DARB Board are sitting as the IBC Board of Appeals they shall make clear on the record that they are hearing a matter on their agenda in that capacity and not as the DARB Board. The IBC Board of Appeals will have the authority to adopt by-laws governing the conduct of meetings. In the absence of by-laws to the contrary the meetings of the IBC Board of Appeals shall be governed by the latest edition of Roberts Rules of Order.
- C. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted there under have been incorrectly interpreted, the provisions of this code do not fully apply, or that a request to use an alternate material, design or method of construction under Section 104.11 has been requested and denied. If the appeal is based on a claim that an alternate material, design or method of construction was improperly denied, the appellant must submit what alternate material, design or method of construction they are proposing. The appellant also has the burden to demonstrate to the Board that the alternative method or material that they are proposing is an equally good or better form of construction. The Board shall have no authority to waive the requirements of the International Building Code as adopted by the City.

- D. All appeals must be submitted in writing to the building official or their designee within 30 days of the order, decision or determination of the building official being appealed from. Once the appeal is received by the building official they should contact the members of the IBC Board of Appeals to schedule a meeting at which the appeal will be heard. The hearing on the appeal shall be held no sooner than 7 days after the appeal is received by the City.
- E. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official, any member of the City's staff or any person whose interests are affected shall be given an opportunity to be heard.

15.12.320 IBC Chapter 2, Section 202 Definitions – Amended

IBC Chapter 2, Section 202 Definitions, is hereby amended to read as follows:

**SECTION 202
DEFINITIONS**

All definitions will remain the same except for those specifically changed as follows:

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

15.12.330 IBC Chapter 3, Section 308.5.1 Adult Care Facility - Amended

IBC Chapter 3, Section 308.5.1 Adult care facility, is hereby amended to read as follows:

308.5.1 Adult care facility. A facility that provides accommodations for less than 24 hours for more than five unrelated adults and provides supervision and personal care services shall be classified as Group I-4.

Exception: A facility where occupants are capable of responding to an emergency situation without physical assistance from the staff shall be classified as Group R-3.

15.12.340 IBC Chapter 3, Section 312 Utility and Miscellaneous Group U – Amended

IBC Chapter 3, Section 312 Utility and Miscellaneous Group U, is hereby amended to read as follows:

**SECTION 312
UTILITY AND MISCELLANEOUS GROUP U**

312.1 General. Buildings and structures of an accessory character and miscellaneous structures not classified in any specific occupancy shall be constructed, equipped and maintained to conform to the requirements of this code commensurate with the fire and life hazard incidental to their occupancy. Group U shall include, but not be limited to, the following:

- Agricultural buildings
- Aircraft hangars, accessory to a one- or two-family residence (see Section 412.3)
- Barns
- Carports
- Fences more than 6 feet (1829 mm) high
- Grain silos, accessory to a residential occupancy
- Greenhouses
- Livestock shelters
- Private garages
- Retaining walls

Sheds
Stables
Tanks
Towers
Camping Cabins

312.2 Camping Cabins. Camping cabins must have an egress window or door in each sleeping area, a smoke detector in each sleeping area, interior and exterior light, interior and exterior plug-ins, the unit number on each cabin, rodent protection, a fire extinguisher in each unit, and accessible units shall be provided as per Table 1107.6.1.1.

15.12.350 IBC Chapter 4, Section 402.7.2 Tenant Separations – Amended

IBC Chapter 4, Section 402.7.2 Tenant Separations, is hereby amended to read as follows:

402.7.2 Tenant separations. Each tenant space shall be separated from other dissimilar tenant spaces by a fire partition complying with Section 708. A tenant separation wall is not required between any tenant space and the mall.

15.12.360 IBC Chapter 4, Section 402.10(2) Kiosks – Amended

IBC Chapter 4, Section 402.10(2) Kiosks, is hereby amended to read as follows:

2. Kiosks or similar structures located within the mall shall be without a roof and open to the ceiling above or provided with approved fire suppression and detection devices.

15.12.370 IBC Chapter 4, Section 402.15 Plastic Signs – Deleted

IBC Chapter 4, Section 402.15 Plastic Signs, is hereby deleted in its entirety.

15.12.380 IBC Chapter 4, Section 403.1 Applicability

IBC Chapter 4, Section 403.1 Applicability, is hereby amended to read as follows:

403.1 Applicability. The provisions of this section shall apply to buildings having occupied floors located more than 51 feet above the lowest level of fire department vehicle access.

Exception: The provisions of this section shall not apply to the following buildings and structures:

1. Airport traffic control towers in accordance with Section 412.
2. Open parking garages in accordance with Section 406.3.
3. Buildings with an occupancy in Group A-5 in accordance with Section 303.1.
4. Low-hazard special industrial occupancies in accordance with Section 503.1.2.
5. Buildings with an occupancy in Group H-1, H-2 or H-3 in accordance with Section 415.

15.12.390 IBC Chapter 4, Section 404.3 Automatic Sprinkler Protection – Amended

IBC Chapter 4, Section 404.3 Automatic sprinkler protection, is hereby amended to read as follows:

404.3 Automatic sprinkler protection. An approved automatic sprinkler system shall be installed through out the entire building.

Exceptions:

1. That area of a building adjacent to or above the atrium need not be sprinklered, provided that portion of the building is separated from the atrium portion by not less than a 2-hour fire-resistance-rated barrier or horizontal assembly, or both.

15.12.400 IBC Chapter 4, Section 412.2.1 Exterior Walls – Deleted

IBC Chapter 4, Section 412.2.1 Exterior Walls, is hereby deleted in its entirety.

15.12.410 IBC Chapter 5, Section 504.2 Automatic Sprinkler System Increase – Amended

IBC Chapter 5, Section 504.2 Automatic sprinkler system increase, is hereby amended to read as follows:

504.2 Automatic sprinkler system increase. Where a building is equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1, the value specified in Table 503 for maximum height is increased by 20 feet (6096 mm) and the maximum number of stories is increased by one story. These increases are permitted in addition to the area increase in accordance with Sections 506.2 and 506.3. For Group R buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.2, the value specified in Table 503 for maximum height is increased by 20 feet (6096 mm) and the maximum number of stories is increased by one story, but shall not exceed four stories or 51 feet, respectively.

Exceptions:

1. Fire areas within an occupancy in Group I-2 of Type IIB, III, IV or V construction.
2. Fire areas with an occupancy in Group H-1, H-2, H-3 or H-5.
3. Fire-resistance rating substitution in accordance with Table 601, Note e.

15.12.420 IBC Chapter 7, Section 717.3.3 Other Groups – Amended

IBC Chapter 7, Section 717.3.3 Other groups, is hereby amended to read as follows:

717.3.3 Other groups. In other groups, draftstopping shall be installed so that horizontal floor areas do not exceed 1,500 square feet.

Exception: Draftstopping is not required in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

15.12.430 IBC Chapter 9, Section [F]903.2 Where Required – Amended

IBC Chapter 9, Section [F]903.2 Where required, is hereby amended to read as follows:

[F] 903.2 Where required. Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in this section.

15.12.440 IBC Chapter 10, Table 1004.1.1 Maximum Floor Area Allowances Per Occupant

IBC Chapter 10, Table 1004.1.1 Maximum Floor Area Allowances Per Occupant, is hereby amended to read as follows:

**TABLE 1004.1.1
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT**

FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER OCCUPANT
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangers	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Assembly with fixed seats	See Section 1004.7
Assembly without fixed seats	
Concentrated (chairs only – not fixed)	7 net
Standing space	5 net
Unconcentrated (tables and chairs)	15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross
Courtrooms – other than fixed seating areas	40 net
Daycare	35 net
Dormitories	50 gross
Educational	
Classroom area	20 net
Shops and other vocational room areas	50 net
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas	
Inpatient treatment areas	240 gross
Outpatient areas	100 gross
Sleeping areas	120 gross
Kitchens, commercial	200 gross
Library	
Reading rooms	50 net
Stack area	100 gross
Locker rooms	50 gross
Mercantile	
Areas on other floors	60 gross
Basement and grad floor area	30 gross
Storage, stock, shipping areas	300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools	
Rink and pool	50 gross
Decks	15 gross
Stages and platforms	15 net
Warehouses	500 gross
Jails	1.05 per bed
All others	100 gross

15.12.450 IBC Chapter 10, Section 1008.1.4 Floor Elevation – Amended

IBC Chapter 10, Section 1008.1.4 Floor elevation, is hereby amended to read as follows:

1008.1.4 Floor elevation. There shall be a floor or landing on each side of a door. Such floor or landing shall be at the same elevation on each side of the door. Landings shall be level except for exterior landings, which are permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2-per cent slope).

Exceptions:

1. Doors serving individual dwelling units in Groups R-2 and R-3 as applicable in Section 101.2 where the following apply:
 - 1.1. A door is permitted to open at the top step of an interior flight of stairs, provided the door does not swing over the top step.
 - 1.2. Screen doors and storm doors are permitted to swing over stairs or landings.
2. Exterior doors as provided for in Section 1003.5, Exception 1, and Section 1018.2, which are not on an accessible route.
3. In Group R-3 occupancies, the landing at an exterior door way shall not be more than 8 inches below the top of the threshold, provided the door, other than an exterior storm or screen door, does not swing over the landing.
4. Variations in elevation due to differences in finish materials, but not more than 0.5 inch (12.7 mm).
5. Exterior decks, patios or balconies that are part of Type B dwelling units, have impervious surfaces and that are not more than 4 inches (102 mm) below the finished floor level of the adjacent interior space of the dwelling unit.

15.12.460 IBC Chapter 10, Section 1008.1.6 Thresholds – Amended

IBC Chapter 10, Section 1008.1.6 Thresholds, is hereby amended to read as follows:

1008.1.6 Thresholds. Thresholds at door ways shall not exceed 0.75 inch (19.1 mm) in height for sliding doors serving dwelling units or 0.5 inch (12.7 mm) for other doors. Raised thresholds and floor level changes greater than 0.25 inch (6.4 mm) at door ways shall be beveled with a slope not greater than one unit vertical in two units horizontal (50-percent slope).

Exception: The threshold height shall be limited to 8 inches where the occupancy is Group R-3 as applicable in Section 101.2, the door is an exterior door that is not a component of the required means of egress and the doorway is not on an accessible route.

15.12.470 IBC Chapter 10, Section 1009.3 Stair Treads and Risers – Amended

IBC Chapter 10, Section 1009.3 Stair treads and risers, is hereby amended to read as follows:

1009.3 Stair treads and risers. Stair riser heights shall be 7 inches (178 mm) maximum and 4 inches (102 mm) minimum. Stair tread depths shall be 11 inches (279 mm) minimum. The riser height shall be measured vertically between the leading edges of adjacent treads. The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at right angle to

the tread's leading edge. Winder treads shall have a minimum tread depth of 11 inches (279 mm) measured at a right angle to the tread's leading edge at a point 12 inches (305 mm) from the side where the treads are narrower and a minimum tread depth of 10 inches (254 mm).

Exceptions:

1. Alternating tread devices in accordance with Section 1009.9.
2. Spiral stairways in accordance with Section 1009.8.
3. Aisle stairs in assembly seating areas where the stair pitch or slope is set, for sightline reasons, by the slope of the adjacent seating area in accordance with Section 1025.11.2.
4. In occupancies in Group R-3, as applicable in Section 101.2, within dwelling units in occupancies in Group R-2, as applicable in Section 101.2, and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 101.2, the maximum riser height shall be 8 inches and the minimum tread depth shall be 9 inches, the minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread depth is less than 11 inches (279 mm).

15.12.480 IBC Chapter 10, Section 1009.3.3 Profile – Amended

IBC Chapter 10, Section 1009.3.3, is hereby amended to read as follows:

1009.3.3 Profile. The radius of curvature at the leading edge of the tread shall be not greater than 0.5 inch (12.7 mm). Beveling of nosings shall not exceed 0.5 inch (12.7 mm). Risers shall be solid and vertical or sloped from the underside of the leading edge of the tread above at an angle not more than 30 degrees (0.52 rad) from the vertical. The leading edge (nosings) of treads shall project not more than 1.25 inches (32 mm) beyond the tread below and all projections of the leading edges shall be of uniform size, including the leading edge of the floor at the top of a flight.

Exceptions:

1. Solid risers are not required for stairways that are not required to comply with Section 1007.3, provided that the opening between treads does not permit the passage of a sphere with a diameter of 4 inches (102 mm).
2. Solid risers are not required for occupancies in Group I-3.
3. Solid risers are not required to be associated with Group R-3 and Group U occupancies.

15.12.490 IBC Chapter 10, Section 1009.10 Handrails – Amended

IBC Chapter 10, Section 1009.10 Handrails, is hereby amended to read as follows:

1009.10 Handrails. Stairways shall have handrails on each side and shall comply with Section 1012. Where glass is used to provide the handrail, the handrail shall also comply with Section 2407.

Exceptions:

1. Aisle stairs complying with Section 1024 provided with a center handrail need not have additional handrails.
2. Stairways within dwelling units, spiral stairways and aisle stairs serving seating only on one side are permitted to have a hand rail on one side only.
3. Decks, patios and walk ways that have a single change in elevation where the landing depth on each side of the change of elevation is greater than what is required for a landing do not require handrails.

4. Stairways having less than four risers and serving one individual dwelling unit in Group R-3 Occupancies need not have handrails.
5. Changes in room elevations of only one riser within dwelling units and sleeping units in Group R-2 and R-3 occupancies do not require handrails.

15.12.500 IBC Chapter 1013.3 Common path of egress travel – Amended

IBC Chapter 1013.3 Common path of egress travel, is hereby amended to read as follows:

1013.3 Common path of egress travel. In occupancies other than Groups H-1, H-2 and H-3, the common path of egress travel shall not exceed 75 feet (22 860 mm). In occupancies in Groups H-1, H-2, and H-3, the common path of egress travel shall not exceed 25 feet (7620 mm).

Exceptions:

1. The length of a common path of egress travel in an occupancy in Groups B, F and S shall not be more than 100 feet (30 480 mm), provided that the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.
2. Where a tenant space in an occupancy in Groups B, S and U has an occupant load of not more than 30, the length of a common path of egress travel shall not be more than 100 feet (30 480 mm).
3. The length of a common path of egress travel in occupancies in Group I-3 shall not be more than 100 feet (30 480 mm).
4. The length of a common path of egress travel in occupancies in Group R-2 shall not be more than 125 feet, provided that the building is protected throughout with an approved automatic sprinkler system in accordance with 903.3.1.1 or 903.3.1.2.

15.12.510 IBC Chapter 10, Section 1020.1.1 Openings and Penetrations – Amended

IBC Chapter 10, Section 1020.1.1 Openings and penetrations, is hereby amended to read as follows:

1020.1.1 Openings and penetrations. Exit enclosure opening protectives shall be in accordance with the requirements of Section 715.

Except as permitted in Section 402.4.6, openings in exit enclosures other than unprotected exterior openings shall be limited to those necessary for exit access to the enclosure from normally occupied spaces and for egress from the enclosure.

Where interior exit enclosures are extended to the exterior of a building by an exit passageway, the door assembly from the exit enclosure to the exit passageway shall be protected by a fire door assembly conforming to the requirements in Section 715.4. Fire door assemblies in exit enclosures shall comply with Section 715.4.4.

Elevators shall not open into an exit enclosure except for elevators serving as an accessible means of egress.

15.12.520 IBC Chapter 10, Section 1026.2 Minimum Size – Amended

IBC Chapter 10, Section 1026.2 Minimum size, is hereby amended to read as follows:

1026.2 Minimum size. Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.53 m²).

15.12.530 IBC Chapter 11, Section 1101.2 Design – Amended

IPMC Chapter 11, Section 1101.2 Design, is hereby amended to read as follows:

1101.2 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and ICC A117.1. The scoping provision of ANSI shall be per section 1103.

15.12.540 IBC Chapter 11, Section 1105.1 Public Entrances – Amended

IBC Chapter 11, Section 1105.1 Public entrances, is hereby amended to read as follows:

1105.1 Public entrances. In addition to accessible entrances required by Sections 1105.1.1 through 1105.1.6, at least 60 percent of all public entrances shall be accessible.

Exceptions:

1. An accessible entrance is not required to areas not required to be accessible.
2. Loading and service entrances that are not the only entrance to a tenant space.

15.12.550 IBC Chapter 11, Section 1107.6.2 Group R-2 – Amended

IBC Chapter 11, Section 1107.6.2 Group R-2, is hereby amended to read as follows:

1107.6.2 Group R-2. Type B units shall be provided in occupancies in Group R-2 in accordance with Sections 1107.6.2.1 and 1107.6.2.2.

1107.6.2.1 Apartment houses, monasteries and convents. Type B units shall be provided in apartment houses, monasteries and convents in accordance with Section 1107.6.2.1.2.

1107.6.2.1.2 Type B units. Where there are four or more dwelling units or sleeping units intended to be occupied as a residence in a single structure, every dwelling unit and sleeping unit intended to be occupied as a residence shall be a Type B unit.

Exception: The number of Type B units is permitted to be reduced in accordance with Section 1107.7.

1107.6.2.2 Boarding houses, dormitories, fraternity houses and sorority houses. Type B dwelling units shall be provided in boarding houses, dormitories, fraternity houses and sorority houses in accordance with Section-1107.6.2.2.2.

1107.6.2.2.2 Type B units. Where there are four or more dwelling units or sleeping units intended to be occupied as a residence in a single structure, every dwelling unit and every sleeping unit intended to be occupied as a residence shall be a Type B unit.

Exception: The number of Type B units is permitted to be reduced in accordance with Section 1107.7.

1107.6.2.3 Materials to convert on hand. Any person or entity owning a structure that is governed by this section shall be required to have, on hand, the materials and appliances necessary to convert any

Type B unit into a dwelling unit that is consistent with the criteria established in the currently adopted version of the ANSI A117.1 accessibility guidelines within 14 days.

15.12.560 IBC Chapter 14, Section 1403.2 Weather Protection – Amended

IBC Chapter 14, Section 1403.2 Weather protection, is hereby amended to read as follows:

1403.2 Weather protection. Exterior walls shall provide the building with a weather-resistant exterior wall envelope. The exterior wall envelope shall include flashing, as described in Section 1405.3. The exterior wall envelope shall be designed and constructed in such a manner as to prevent the accumulation of water within the wall assembly by providing a water-resistive barrier behind the exterior veneer, as described in Section 1404.2 and a means for draining water that enters the assembly to the exterior. Protection against condensation in the exterior wall assembly shall be provided.

Exceptions:

1. A weather-resistant exterior wall envelope shall not be required over concrete or masonry walls designed in accordance with Chapters 19 and 21, respectively.
2. Compliance with the requirements for a means of drainage, and the requirements of Sections 1405.2 and 1405.3, shall not be required for an exterior wall envelope that has been demonstrated through testing to resist wind-driven rain, including joints, penetrations and intersections with dissimilar materials, in accordance with ASTM E 331 under the following conditions:
 - 2.1. Exterior wall envelope test assemblies shall include at least one opening, one control joint, one wall/eave interface and one wall sill. All tested openings and penetrations shall be representative of the intended end-use configuration.
 - 2.2. Exterior wall envelope test assemblies shall be at least 4 feet by 8 feet (1219 mm by 2438 mm) in size.
 - 2.3. Exterior wall envelope assemblies shall be tested at a minimum differential pressure of 6.24 pounds per square foot (psf) (0.297 kN/m²).
 - 2.4. Exterior wall envelope assemblies shall be subjected to a minimum test exposure duration of 2 hours.

The exterior wall envelope design shall be considered to resist wind-driven rain where the results of testing indicate that water did not penetrate control joints in the exterior wall envelope, joints at the perimeter of openings or intersections of terminations with dissimilar materials.

15.12.570 IBC Chapter 14, Section 1403.2.1 Weather Resistive Sheathing Papers – Added

IBC Chapter 14, Section 1403.2.1 Weather resistive sheathing papers, is hereby added to read as follows:

1403.2.1 Weather resistive sheathing papers. House wraps or weather resistive sheathing papers consisting of spun bonded olefin sheets of high density polyethylene fibers are required to be installed as per the manufacturer's instruction/recommendations.

15.12.580 IBC Chapter 14, Section 1405.10.4 Grounding – Amended

IBC Chapter 14, Section 1405.10.4 Grounding, is hereby amended to read as follows:

1405.10.4 Grounding. Grounding of metal veneers on buildings shall comply with the requirements of the current electrical code adopted by the City of Rapid City.

15.12.590 IBC Chapter 15, Section 1503.4 Roof Drainage – Amended

IBC Chapter 15, Section 1503.4 Roof Drainage, is hereby amended to read as follows:

1503.4 Roof drainage. Design and installation of roof drainage systems shall comply with the current plumbing code adopted by the South Dakota State Plumbing Commission with revisions.

15.12.600 IBC Chapter 15, Section 1507.2.8.2 Ice Dam Membrane – Amended

IBC Chapter 15, Section 1507.2.8.2 Ice dam membrane, is hereby amended to read as follows:

1507.2.8.2 Ice dam membrane. In areas where there has been a history of ice forming along the eaves causing a backup of water, a membrane that consists of at least two layers of underlayment cemented together or of a self-adhering polymer modified bitumen sheet shall be used in lieu of normal underlayment and extend from the eave's edge to a point at least 24 inches (610 mm) inside the exterior wall line of the building.

Exception: Detached accessory structures that contain no conditioned floor area.

If the ice dam is not inspected, the contractor shall provide an affidavit that the ice dam was installed properly.

15.12.610 IBC Chapter 16, Section 1604.1 General – Amended

IBC Chapter 16, Section 1604.1 General, is hereby amended to read as follows:

1604.1 General. Building, structures, and parts thereof shall be designed and constructed in accordance with strength design, load and resistance factor design, allowable stress design, empirical design, or conventional construction methods, as permitted by applicable material chapters and Table 100-B, Climatic and Geographic Design Criteria.

15.12.620 IBC Chapter 16, Section 1612 Flood Loads – Amended

IBC Chapter 16, Section 1612 Flood Loads, is hereby amended to read as follows:

SECTION 1612 FLOOD LOADS

1612.1 General. See Chapter 15.32, Flood Area Construction Regulations, of the Rapid City Municipal Code.

15.12.630 IBC Chapter 17, Section 1702 Definitions - Amended

IBC Chapter 17, Section 1702 Definitions, is hereby amended to read as follows:

SECTION 1702 DEFINITIONS

1702.1 General. The following words and terms shall, for the purposes of this chapter and as used elsewhere in this code, have the meanings shown herein.

APPROVED AGENCY. An established and recognized agency or design professional regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved.

APPROVED FABRICATOR. An established and qualified person, firm or corporation approved by the building official pursuant to Chapter 17 of this code.

CERTIFICATE OF COMPLIANCE. A certificate stating that materials and products meet specified standards or that work was done in compliance with approved construction documents.

DESIGNATED SEISMIC SYSTEM. Those architectural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7 and for which the component importance factor, I_p , is greater than 1 in accordance with Section 13.1.3 of ASCE 7.

FABRICATED ITEM. Structural, load-bearing or lateral load-resisting assemblies consisting of materials assembled prior to installation in a building or structure, or subjected to operations such as heat treatment, thermal cutting, cold working or reforming after manufacture and prior to installation in a building or structure. Materials produced in accordance with standard specifications referenced by this code, such as rolled structural steel shapes, steel-reinforcing bars, masonry units, and wood structural panels shall not be considered “fabricated items.”

INSPECTION CERTIFICATE. An identification applied on a product by an approved agency containing the name of the manufacturer, the function and performance characteristics, and the name and identification of an approved agency that indicates that the product or material has been inspected and evaluated by an approved agency (see Section 1703.5 and “Label,” “Manufacturer’s designation” and “Mark”).

LABEL. An identification applied on a product by the manufacturer that contains the name of the manufacturer, the function and performance characteristics of the product or material, and the name and identification of an approved agency and that indicates that the representative sample of the product or material has been tested and evaluated by an approved agency (see Section 1703.5 and “Inspection certificate,” “Manufacturer’s designation” and “Mark”).

MAIN WIND-FORCE-RESISTING SYSTEM. An assemblage of structural elements assigned to provide support and stability for the overall structure. The system generally receives wind loading from more than one surface.

MANUFACTURER’S DESIGNATION. An identification applied on a product by the manufacturer indicating that a product or material complies with a specified standard or set of rules (see also “Inspection certificate,” “Label” and “Mark”).

MARK. An identification applied on a product by the manufacturer indicating the name of the manufacturer and the function of a product or material (see also “Inspection certificate,” “Label” and “Manufacturer’s designation”).

SPECIAL INSPECTION. Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections requiring special expertise to ensure compliance with approved construction documents and referenced standards (see Section 1704).

SPECIAL INSPECTION, CONTINUOUS. The full-time observation of work requiring special inspection by an approved special inspector who is present in the area where the work is being performed.

SPECIAL INSPECTION, PERIODIC. The part-time or intermittent observation of work requiring special inspection by an approved special inspector who is present in the area where the work has been or is being performed and at the completion of the work.

SPRAYED FIRE-RESISTANT MATERIALS. Cementitious or fibrous materials that are spray applied to provide fire-resistant protection of the substrates.

STRUCTURAL OBSERVATION. The visual observation of the structural system by a registered design professional for general conformance to the approved construction documents at significant construction stages and at completion of the structural system. Structural observation does not include or waive the responsibility for the inspection required by Section 109, 1704 or other sections of this code.

15.12.640 IBC Chapter 17, Section 1704.1 General – Amended

IBC Chapter 17, Section 1704.1 General, is hereby amended to read as follows:

1704.1 General. Where application is made for construction as described in this section, the owner or the registered design professional in responsible charge acting as the owner’s agent shall employ one or more special inspectors to provide inspections during construction on the types of work listed under Section 1704. The special inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the building official, for inspection of the particular type of construction or operation requiring special inspection. These inspections are in addition to the inspections specified in Section 109.

Exceptions:

1. Special inspections are not required for work of a minor nature or as warranted by conditions in the jurisdiction as approved by the building official and by the recommendation of the design professional.
2. Special inspections are not required for building components unless the design involves the practice of professional engineering or architecture as defined by applicable state statutes and regulations governing the professional registration and certification of engineers or architects.
3. Unless otherwise required by the building official, special inspections are not required for occupancies in Group R-3 as applicable in Section 101.2 and occupancies in Group U that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1.

15.12.650 IBC Chapter 17, Section 1716 Prefabrication – Added

IBC Chapter 17, Section 1716 Prefabrication, is hereby added to read as follows:

SECTION 1716 PREFABRICATION

1716.1 General.

1716.1.1 Purpose. The purpose of this section is to regulate materials and establish methods of safe construction where any structure or portion thereof is wholly or partially prefabricated.

1716.1.2 Scope. Unless otherwise specifically stated in this section, all prefabricated construction and materials used therein shall conform to all the requirements of this code.

1716.3 Definitions.

PREFABRICATED ASSEMBLY. A structural unit, the integral parts of which have been built or assembled prior to incorporation in the building.

PREFABRICATED STRUCTURES. The parts of which are fabricated and assembled in a central assembly point where on-site building, electrical, plumbing, and mechanical rough-in inspections occur at the assembly location.

1716.2 Tests of materials. Every approval of a material not specifically mentioned in this code shall incorporate as a proviso the kind and number of nationally recognized testes to be made during prefabrication.

1716.3 Tests of assemblies. The building official may require special tests to be made on assemblies to determine their durability and weather resistance.

1716.4 Connections. Every device used to connect prefabricated assemblies shall be designed as required by this code and shall be capable of developing the strength of the members connected, except in the case of members forming part of a structural frame as specified in Chapter 16. Connections shall be capable of withstanding uplift forces as specified in this code and in Chapter 16.

1716.5 Pipes and conduits. In structural design, due allowances shall be made for any material to be removed for the installations of pipes, conduit, and other equipment.

1716.6 Permits, materials, plans, fees, certificate, and inspections.

1716.6.1 Materials. Materials and the assembly thereof shall be inspected to determine compliance with this code. Every material shall be graded, marked, or labeled as required elsewhere in this code.

1716.6.2 Plans. One complete set of plans and specifications shall be submitted to the building inspection division of planning and building services for approval prior to issuing a building permit for a prefabricated structure. Plans shall be of sufficient detail and clarity to indicate compliance with all applicable codes (electrical, plumbing, building, mechanical, and zoning).

1716.6.3 Permits and fees. Permit fees shall be as follows:

1. The fee for a building permit shall conform to Table 100-C.
2. Electrical, plumbing, and mechanical permits and fees shall conform to the respective permit requirements and fee schedules.

1716.6.4 Certificate. A certificate of approval shall be furnished with every prefabricated assembly and prefabricated structure, except where the assembly is readily accessible to inspection at the site. The certificate of approval shall certify that the assembly in question has been inspected and meets all the requirements of this code. When mechanical equipment is installed so that it cannot be inspected at the site, the certificate of approval shall certify that such equipment complies with the laws applying thereto.

1716.6.5 Certifying agency. To be acceptable under this code, every certificate of approval shall be made by the approved agency.

1716.6.6 Field erection. The building official shall inspect placement of prefabricated assemblies at the building site to determine compliance with this code. Installation and finishing work at the building site must be performed by locally licensed contractors where required. Final inspections are to be made after the installation and finishing work has been completed and the building is ready for occupancy.

1716.6.7 Continuous inspection. If continuous inspection is required for certain materials where construction takes place on the site, it shall also be required where the same materials are used in prefabricated construction.

Exception: continuous inspection will not be required during prefabrication if the approved agency certifies to the construction and furnishes evidence of compliance.

1716.6.8 Moving permits. A moving permit shall be obtained for each prefabricated structure being moved within the city in accordance with Section 3408 Moved Buildings.

15.12.660 IBC Chapter 18, Section 1803.4 Grading and Fill in Floodways - Amended

IBC Chapter 18, Section 1803.4 Grading and fill in floodways, is hereby amended to read as follows:

1803.4 Grading and fill in floodways. See Chapter 15.32, Flood Area Construction Regulations, of the Rapid City Municipal Code.

15.12.670 IBC Chapter 18, Section 1805.2.1 Frost Protection – Amended

IBC Chapter 18, Section 1805.2.1 Frost protection, is hereby amended to read as follows:

1805.2.1 Frost protection. Except where otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:

1. Extending below the frost line of the locality;
2. Constructing in accordance with ASCE-32; or
3. Erecting on solid rock.

Exception: Free-standing buildings meeting all of the following conditions shall not be required to be protected:

1. Classified in Importance Category I, in accordance with Section 1604.5;
2. Area of 1,000 square feet or less with a maximum truss span of 24 feet; and
3. Eave height of 10 feet (3048 mm) or less.

Footings shall not bear on frozen soil unless such frozen condition is of a permanent character.

15.12.680 IBC Chapter 27, Section 2701.1 Scope – Amended

IBC Chapter 27, Section 2701.1 Scope, is hereby amended to read as follows:

2701.1 Scope. This chapter governs the electrical components, equipment and systems used in buildings and structures covered by this code. Electrical components, equipment and systems shall be designed and constructed in accordance with the provisions of the current electrical code adopted by the City of Rapid City.

15.12.690 IBC Chapter 30, Section 3002.7 Common Enclosure with Stairway – Amended

IBC Chapter 30, Section 3002.7 Common enclosure with stairway, is hereby amended to read as follows:

3002.7 Common enclosure with stairway. Elevators shall not be in a common shaft enclosure with a stairway unless allowed as per Section 1020.1.1.

15.12.700 IBC Chapter 31, Section 3109 Swimming Pool Enclosures and Safety Devices – Deleted

IBC Chapter 31, Section 3109 Swimming Pool Enclosures and Safety Devices, is hereby deleted in its entirety.

15.12.710 IBC Chapter 32, Section 3202.5 Public Rights-Of-Way – Structures Prohibited – Exceptions - Added

IBC Chapter 32, Section 3202.5 Public rights-of-way – Structures prohibited – Exceptions, is hereby added to read as follows:

3202.5 Public rights-of-way – Structures prohibited – Exceptions. See section 12.20.030 of the Rapid City Municipal Code.

15.28.720 IBC Chapter 33, Section 3308 Temporary Use of Streets, Alleys, and Public Property – Deleted

IBC Chapter 33, Section 3308 Temporary use of streets, alleys, and public property, is hereby deleted in its entirety.

15.12.730 IBC Chapter 34, Section 3410.2 Applicability – Amended

IBC Chapter 34, Section 3410.2 Applicability, is hereby amended to read as follows:

3410.2 Applicability. Structures existing prior to the adoption of this code, in which there is work involving additions, alterations or changes of occupancy shall be made to conform to the requirements of this section or the provisions of Sections 3403 through 3407. The provisions in Sections 3410.2.1 through 3410.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A, B, E, F, M, R, S and U. These provisions shall not apply to buildings with occupancies in Groups H or I.

15.12.740 IBC Appendix I, Section I104.2 Footings – Amended

IBC Appendix I, Section I104.2 Footings, is hereby amended to read as follows:

I104.2 Footings. A patio cover shall be permitted to be supported on a concrete slab on grade without footings, provided the slab conforms to the provisions of Chapter 19 of this code, is not less than 31/2 inches (89 mm) thick and further provided that the columns do not support loads in excess of 750 pounds (3.36 kN) per column.

15.12.750 IBC Appendix J, Section J101.2 Flood Hazard Areas– Amended

IBC Appendix J, Section J101.2 Flood hazard areas, is hereby amended to read as follows:

J101.2 Flood hazard areas See Chapter 15.32, Flood Area Construction Regulations, of the Rapid City Municipal Code.

15.12.760 IBC Appendix J, Section J103.1 Permits Required – Amended

IBC Appendix J, Section J103.1 Permits required, is hereby amended to read as follows:

J103.1 Permits required. Except as exempted in Section J103.2, no grading shall be performed without first having obtained a permit therefore from the building official and paying the required grading permit fee and grading plan review fee as established in Table 100-D and Table 100-E. A grading permit does not include the construction of retaining walls or other structures.

15.12.770 IBC Appendix J, Section J107.5 Compaction - Amended

IBC Appendix J, Section J107.5 Compaction, is hereby amended to read as follows:

J107.5 Compaction. All fill material shall be compacted to a minimum of 90 percent of maximum density as determined by ASTM D 1557, Modified Proctor, in lifts not exceeding 12 inches (305 mm) in depth.

15.12.780 IBC Appendix J, Section J110 Erosion Control - Amended

IBC Appendix J, Section J110 Erosion Control, is hereby amended to read as follows:

**SECTION J110
EROSION CONTROL**

J110.1 General. See Chapter 8.46, 8.48, and 8.50 of the Rapid City Municipal Code.

TABLE 100-B CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

GROUND SNOW LOAD	WIND SPEED (mph)	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP
			Weathering	Frost line depth	Termite					
42 psf ¹	90	B	Moderate	42"	None to slight	-7	Yes	2-18-98	1548	48° F

¹The ground snow load for Rapid City shall be 42 psf and as per ASCE 705.

TABLE 100-C IBC BUILDING PERMIT FEES

TOTAL VALUATION	FEE
\$1.00 to \$1,600.00	\$37.00
\$1,601 to \$2,000.00	\$69.25
\$2,001 to \$25,000.00	\$69.25 for the first \$2,000.00 plus \$14.00 for each additional \$1,000.00, or fraction thereof, to and including \$25,000.00
\$25,001.00 to \$50,000	\$391.25 for the first \$25,000.00 plus \$10.10 for each additional \$1,000.00, or fraction thereof, to and including \$ 50,000
\$50,001.00 to \$100,000.000	\$643.75 for the first \$50,000.00 plus \$7.00 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00
\$100,001.00 to \$500,000.00	\$993.75 for the first \$100,000.00 plus \$5.60 for each additional \$1,000.00, or fraction thereof, to and including \$500,000.00
\$500,00.00 to \$1,000,000.00	\$3,233.75 for the first \$500,000.00 plus \$4.75 for each additional \$1,000.00, or fraction thereof, to and including \$1,000,000.00
\$1,000,001.00 and up	\$5,608.75 for the first \$1,000,000.00 plus \$3.15 for each additional \$1,000.00, or fraction thereof
Other Inspections and Fees:	
1. Inspections outside of normal business hours.....	\$47.00 per hour ¹ (minimum charge – two hours)
2. Re-inspection fees	\$47.00 per hour ¹
3. Inspections for which no fee is specifically indicated.....	\$47.00 per hour ¹ (minimum charge – one hour)
4. Additional plan review required by changes, additions, or revisions to plans.....	\$47.00 per hour ¹ (minimum charge – one hour)
5. For use of outside consultants for plan checking and inspections, or both.....	Actual costs ²
6. Plan review fees for 1 and 2 family dwellings and accessory structures shall be 10% of the building permit fee.	
7. Plan review fees for all occupancies except 1 and 2 family dwellings shall be 50% of the building permit fee.	

¹Or the total hourly cost to the jurisdiction, whichever is the greatest. This cost shall include supervision, overhead, equipment, hourly wages, and fringe benefits of the employees involved.

²Actual costs include administrative and overhead costs.

TABLE 100-D GRADING PERMIT FEES¹

CUBIC YARDS	FEE
50 or less	\$23.50
51 to 100	\$37.00
101 to 1,000	\$37.00 for the first 100 cubic yards plus \$17.50 for each additional 100 cubic yards or fraction thereof
1,001 to 10,000	\$194.50 for the first 1,000 cubic yards plus \$14.50 for each additional 1,000 cubic yards or fraction thereof
10,001 to 100,000	\$325.00 for the first 10,000 cubic yards plus \$66.00 for each additional 10,000 cubic yards or fraction thereof
100,001 cubic yards or more	\$919.00 for the first 100,000 cubic yards plus \$36.50 for each additional 10,000 cubic yards or fraction thereof
Other Inspections and Fees:	
1. Inspections outside of normal business hours.....	\$50.50 per hour ² (minimum charge – two hours)
2. Re-inspection fees	\$50.50 per hour ²
3. Inspections for which no fee is specifically indicated.....	\$50.50 per hour ² (minimum charge – one hour)

¹The fee for a grading permit authorizing additional work to that under a valid permit shall be the difference between the fee paid for the original permit and the fee shown for the entire project.

²Or the total hourly cost to the jurisdiction, whichever is the greatest. This cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.

For excavation and fill on the same site, the fee shall be based on the volume of excavation or fill, whichever is greater.

TABLE 100-E GRADING PLAN REVIEW FEES

CUBIC YARDS	FEE
50 or less	No fee
51 to 100	\$23.50
101 to 1,000	\$37.00
1,001 to 10,000	\$49.25
10,001 to 100,000	\$49.25 for the first 10,000 cubic yards plus \$24.50 for each additional 10,000 cubic yards or fraction thereof
100,001 to 200,000	\$269.75 for the first 100,000 cubic yards plus \$13.25 for each additional 10,000 cubic yards or fraction thereof
200,001 or more	\$402.25 for the first 200,000 cubic yards plus \$7.25 for each additional 10,000 cubic yards or fraction thereof
Other Fees:	
1. Additional plan review required by changes, additions, or revisions to approved plans.....	\$50.50 per hour* (minimum charge – two hours)

*Or the total hourly cost to the jurisdiction, whichever is the greatest. This cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.

CITY OF RAPID CITY

Mayor

ATTEST:

Finance Officer

(SEAL)

First Reading:

Second Reading:

Published:

Effective: