

RENO GAZETTE-JOURNAL

Legal Advertising Dept. 702-788-6394

Customer Account # 349008
PO #/ID #*193 Ord.#944

WASHOE COUNTY
Comptroller's Office
PO Box 11130
RENO NV 89510

TERMS: Please pay from this invoice. It is due upon presentation and is past due after 15 days.

Legal Ad Cost 31.32

PROOF OF PUBLICATION

STATE OF NEVADA
COUNTY OF WASHOE

ss. Tana Ciccotti

being duly sworn, deposes and says:
That as legal clerk of the RENO GAZETTE-JOURNAL, a daily newspaper published in Reno, Washoe County, State of Nevada, that the notice:
Ordinance 944

**NOTICE OF ADOPTION
ORDINANCE 944**
NOTICE IS HEREBY GIVEN That Bill No 1119, Ordinance No. 944, entitled:
AN ORDINANCE AMENDING THE WASHOE COUNTY CODE BY REPEALING PROVISIONS RELATING TO BUILDINGS AND CONSTRUCTION, AND ADDING UNIFORM CODES WITH CERTAIN CHANGES, ADDITIONS AND DELETIONS, RELATING TO BUILDINGS AND CONSTRUCTION.
was adopted on January 9, 1996, by Commissioners Joanne Bond, Steve Bradhurst, Mike Mouliot, Jim Shaw, and Grant Sims, and will become effective on January 26, 1996. Typewritten copies of the ordinance are available for inspection by all interested persons at the office of the County Clerk, 75 Court Street, Reno, Nevada.
No. 193 Jan 17, 24, 1996

of which a copy is hereto attached, has been published in each regular and entire issue of said newspaper on the following dates to wit:
Jan. 17, 24 1996

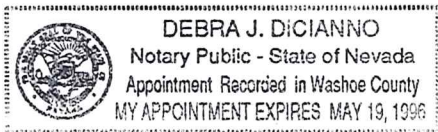
Signed

Tana Ciccotti

Subscribed and sworn to before me on 01/24/96

Notary Public

Debra J. Dicianno



P.O. BOX 22000. RENO. NEVADA 89520
(702) 788-6200



PLEASE STAMP & SIGN FOR PAYMENT

944



SUMMARY: Amends Washoe County Code by adopting and amending uniform codes relating to buildings and construction.

BILL NO. 1119

ORDINANCE NO. 944

AN ORDINANCE AMENDING THE WASHOE COUNTY CODE BY REPEALING PROVISIONS RELATING TO BUILDINGS AND CONSTRUCTION AND ADDING UNIFORM CODES WITH CERTAIN CHANGES, ADDITIONS AND DELETIONS, RELATING TO BUILDINGS AND CONSTRUCTION.

THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF WASHOE DO ORDAIN:

SECTION 1. Chapter 100 of the Washoe County Code is hereby amended by adding thereto the provisions set forth in sections 2 to 141, inclusive, of this ordinance.

SECTION 2.

100.010 Adopted codes. The following nationally recognized codes are hereby adopted by Washoe County together with the supplements, listed changes, additions and deletions as noted:

1. 1994 Edition, Uniform Building Code, Volume 1, 2, 3, and Appendices, Chapter 3, Division I, II, IV, Chapter 4, Division I, Chapter 9, Chapter 11, Division I and II, Chapter 12, Division I and II, Chapter 13 as amended, Chapter 15, Chapter 16, Division II and III, Chapter 18, Chapter 19, Chapter 23, Chapter 31, Division II, and III, Chapter 33 as amended.
2. 1994 Edition, Uniform Plumbing Code and IAPMO Installation Standards and Appendices A, B, C, D, E, F, G, H, J.
3. 1994 Edition, Uniform Mechanical Code and Appendices A, B, C, D.
4. 1994 Edition, Uniform Code for the Abatement of Dangerous Buildings.
5. 1994 Edition, Uniform Solar Energy Code.
6. 1994 Edition, Uniform Swimming Pool, Spa and Hot Tub Code.
7. 1993 Edition, National Electrical Code and Uniform Administrative Code Provisions amended.
8. Regulations Regarding Address Numbers of Residential and Commercial Buildings.
9. 1994 Uniform Housing Code.

SECTION 3.

100.020 Definition of words and terms. As used in the adopted codes and sections 100.010 to 100.690, inclusive, of the Washoe County Code:

1. "City," "municipality" and other similar terms shall be construed to mean Washoe County.
2. "City clerk" shall be construed to mean the county clerk of Washoe County.
3. "City council" shall be construed to mean the board of county commissioners of Washoe County.
4. "Mayor" shall be construed to mean the board of county commissioners of Washoe County.
5. "U.B.C." shall mean Uniform Building Code.
6. "U.P.C." shall mean Uniform Plumbing Code.
7. "U.M.C." shall mean Uniform Mechanical Code.
8. "U.S.E.C." shall mean Uniform Solar Energy Code.
9. "U.S.P.S.H.T.C." shall mean Uniform Swimming Pool, Spa and Hot Tub Code.
10. "N.E.C." shall mean National Electrical Code.
11. "U.A.C.P." shall mean Uniform Administrative Code Provisions.

SECTION 4.

100.025 U.B.C. Section 101.2 amended: Purpose. Section 101.2 of the Uniform Building Code is hereby amended to read as follows:

101.2 Purpose. The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location and maintenance of all buildings and structures within this jurisdiction and certain equipment specifically regulated herein.

It is not the purpose of this code to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of this code.

Any duty created by this code or based on this code runs to the public, and no private cause of action is created by a breach of such duty. No document, certificate, inspection or approval given pursuant to this code may be construed to be a representation or warranty of any kind, including without limitation a representation or warranty that a building or structure is complete, that it is in compliance with this code or any other law, that it was inspected, that it is safe or ready for occupancy or that it meets any particular degree of quality of workmanship. The amount and quality of inspection and other services provided is discretionary with the building official and may vary in response to the amount of staff, their work load, training and experience, funding and other pertinent factors affecting whether and how inspection is made or whether any hazard, deficiency or similar matter is observed.

SECTION 5.

100.030 U.B.C. Section 102 amended: Unsafe buildings or structures. Section 102 of the Uniform Building Code is hereby amended to read as follows:

102 Unsafe buildings or structures. All buildings or structures regulated by this code which are structurally unsafe or not provided with adequate egress, or which constitute a fire hazard, or are otherwise dangerous to human life are, for the purpose of this section, unsafe. Any use of buildings or structures constituting a hazard to safety, health or public welfare by reason of inadequate maintenance, dilapidation, obsolescence, fire hazard, disaster, damage or abandonment is, for the purpose of this section, an unsafe use. Parapet walls, cornices, spires, towers, tanks, statuary and other appendages or structural members which are supported by, attached to, or a part of a building and which are in deteriorated condition or otherwise unable to sustain the design loads which are specified in this code are hereby designated as unsafe building appendages.

All such unsafe buildings, structures or appendages are hereby declared to be public nuisances and shall be abated by repair, rehabilitation, demolition or removal in accordance with the procedures set forth in the Uniform Code for the Abatement of Dangerous Buildings or such alternate procedures as may have been or as may be adopted by this jurisdiction. As an alternative, the building official, or other employee or official of this jurisdiction, as designated by the governing body, may institute any other appropriate action to prevent, restrain, correct or abate the violation.

In case of catastrophe, such as fire, earthquake, flood or explosion, the building official, in the case of actual or immediate danger of failure or collapse of a building or portions of structure thereof so as to endanger the life or property, may order and require occupants to vacate forthwith.

SECTION 6.

100.035 U.B.C. Section 103 amended: Violations. Section 103 of the Uniform Building Code is hereby amended to read as follows:

103 Violations. The provisions contained in the adopted codes and sections 100.010 to 100.420, inclusive, of the Washoe County Code shall be adhered to in the design, erection, construction, enlargement, alteration, repair, moving, removal, conversion, demolition, occupancy, equipment, use, height, area, maintenance, excavation and foundation of any building or other structure in the unincorporated area of Washoe County.

Any person or firm violating any provision of the adopted codes or sections 100.010 to 100.420, inclusive, is guilty of a misdemeanor. Such person is guilty of a separate offense for each day a violation is committed, continued, permitted or otherwise maintained.

SECTION 7.

100.040 U.B.C. Section 104.2.1 amended: Powers and duties of building official. Section 104.2.1 of the Uniform Building Code is hereby amended to read as follows:

104.2.1 General. The building official is hereby authorized and directed to enforce all provisions of this code. For such purposes, he shall have the powers of a law enforcement officer.

1. The building official shall have the power to render interpretations of this code and to adopt and enforce rules and regulations supplemental to this code as he may deem necessary in order to clarify the application of the provisions of this code. Such interpretations, rules and regulations shall be in conformity with the intent and purpose of this code.

2. The building official shall prepare, sign and serve written citations pursuant to the provisions of NRS 171.1773 on all persons accused of violating the provisions of this code and any amendments thereto.

SECTION 8.

100.045 U.B.C. Section 105 amended: Board of appeals. Section 105 of the Uniform Building Code is hereby amended to read as follows:

105.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals consisting of five members who are qualified by experience and training to pass on matters pertaining to building construction and who are not employees of the jurisdiction. The building official shall be an ex-officio member and shall act as secretary to said board but shall have no vote on any matter before the board. The board of appeals shall be appointed by the board of county commissioners and shall hold office at its pleasure. The board may adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the building official. The members of said board shall be appointed for, and shall serve for 2 years, unless removed before the expiration of the term. The board of appeals shall elect annually, a chairman from the board members who shall preside at

all meetings. The appeal shall be filed in writing and be specific on issues subject for appeal.

105.2 Limitations of authority.

1. Standard of review. The board of appeals shall have no authority relative to the interpretation of the administrative provisions of this code nor shall the board be empowered to waive requirements of this code.

2. Concerning the non-administrative provisions of the code, the board shall not redecide a decision but shall review the decisions of the building official to determine whether such decisions are supported by substantial evidence, are reasonable, are not arbitrary, and are within the intent and purpose of this code.

105.3 Limitations of time. The time within which an appeal must be made will be during the application process and active life of the permit.

105.4 Fee. A nonrefundable filing fee of \$150 must be paid upon filing an appeal.

SECTION 9.

100.050 U.B.C. Section 106.2 amended: Exemption from building permit. Section 106.2 of the Uniform Building Code is hereby amended to read as follows:

106.2 Exempted work. A building permit is not required for the following:

1. Fence not over 30 inches high.
2. Oil derricks.
3. Cases, counters and partitions not over 5 feet 9 inches high.
4. Retaining walls which are not over 30 inches (762 mm) in differential between adjacent grades unless supporting a surcharge or impounding class I, II or III-A liquids.
5. Patios, walks and driveways constructed of concrete or asphalt on grade without foundations and not over any basement or story below.
6. Painting, papering and similar finish work.
7. Temporary (not to exceed 180 days) motion picture, television and theater stage sets and scenery.
8. Window awnings supported by an exterior wall of Group R, Division 3, and Group U occupancies when projecting not more than 30 inches.
9. Prefabricated swimming pools accessory to a Group R, Division 3 occupancy in which the pool walls are entirely above the adjacent grade and if the capacity does not exceed 5,000 gallons.
10. Decks -- 32 square feet or less, not exceeding 30 inches above grade.
11. Wire fencing used in conjunction with agricultural use on parcels larger than 1 acre are exempted from permits and approvals, provided required setbacks are maintained.

12. Repairing or replacing existing fence, not over 100 feet in length.

13. Siding applied over existing siding.

14. One-story detached accessory buildings used as tool and storage sheds, playhouses and similar uses, provided the projected roof area does not exceed 120 square feet (11.15 m²) and is located within the setbacks as defined in chapter 110 of the Washoe County Code.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws and ordinances of this jurisdiction.

SECTION 10.

100.051 U.B.C. Section 106.3.2.2 amended: Submittal documents. Section 106.3.2.2 of the Uniform Building Code is hereby amended by adding:

106.3.2.2 Site plan. For all parcels 2 acres and smaller, and for all parcels within an approved subdivision, individual site and drainage plans must be submitted for building permits. Such plans must show all finished grade elevations, high point locations, and drainage swale locations with a minimum slope of one percent (1%) on the swale. This information shall be shown on both the site and drainage plan and the approved construction grading plans. All individual site and drainage plans submitted to the building and safety division and all approved construction drawings submitted shall be stamped by a Nevada Registered Civil Engineer.

SECTION 11.

100.055 U.B.C. Section 106.3.4.1 amended: Plans and specifications. Section 106.3.4.1 of the Uniform Building Code is hereby amended to read:

106.3.4.1 General. When it is required that documents be prepared by an architect or engineer, the building official may require the owner to engage and designate on the building permit application an architect or engineer who shall act as the architect or engineer of record. If the circumstances require, the owner may designate a substitute architect or engineer of record who shall perform all of the duties required of the original architect or engineer of record. The building official shall be notified in writing by the owner if the architect or engineer of record is changed or is unable to continue to perform the duties.

The architect or engineer of record shall be responsible for reviewing and coordinating all submittal documents prepared by others, including deferred submittal items, for compatibility with the design of the building and shall be

licensed by the State of Nevada to practice as such.

Plans for all commercial projects designed for human occupancy valued in excess of \$5,000.00 shall be prepared by an architect or engineer, licensed by the State of Nevada to practice as such.

SECTION 12.

100.060 U.B.C. Section 106.4.4 amended: Permit expiration. Section 106.4.4 of the Uniform Building Code is hereby amended to read as follows:

106.4.4 Expiration. All permits issued by the building official under the provisions of this code expire by limitation and become null and void if the building or work authorized by the permit is not completed within 18 months after the date of issuance.

Before work authorized under the permit can continue, a renewal of the existing permit must be obtained from the building official. The applicant may apply for a one time renewal of the original building permit at one-half of the original permit fees, excluding any park tax and plan check fee, provided that no changes to the project have been made. A one time extension of 18 months may be approved on a renewal and shall be extended from the date of expiration of the original permit. A renewal of the original permit can be obtained within 6 months of the expiration date of the original permit by payment of the above fee.

If work is in the final inspection stage as defined in Section 108.5.7 of the Uniform Building Code, the building official may grant a one time 20-day extension at no cost. If work under this extension is not completed within the 20 days, a renewal of the original permit or a new permit will be required under the code provisions of this section.

All projects which are not completed within the 3 year limitation noted above, must obtain a new permit from the building official prior to continuing work. All fees which are required under the current code shall be assessed, excluding park tax. The plans shall be submitted and reviewed for compliance with the current code. Uniform Building Code Section 104.2.7 and 104.2.8 may be applied on existing work only with the approval of the building official.

SECTION 13.

100.062 Section 106.4.5 amended: Suspension or revocation. Section 106.4.5 of the Uniform Building Code is hereby amended to read as follows:

106.4.5 Suspension or revocation. The building official may, in writing, suspend or revoke a permit issued under the provisions of this code whenever the permit is issued in

error or on the basis of incorrect information supplied, or in violation of any ordinance or regulation or any of the provisions of this code.

Permits and inspections on permits may be withheld or suspended on a parcel or project if the permittee is not in compliance with the requirements for other permits on the parcel or project.

SECTION 14.

100.065 U.B.C. Section 106.4.6 amended: Permit issuance to contractors. Section 106.4.6 of the Uniform Building Code is hereby amended by adding:

106.4.6 Permit issuance to contractors. The building official may issue a comprehensive permit (including permits required for specialty contractors) to be taken out by general contractors on all buildings. Before such a permit is issued, the NAME, ADDRESS, STATE LICENSE NUMBER and WASHOE COUNTY BUSINESS LICENSE NUMBER of the general contractor shall be furnished to the building official. The address of each building shall be posted by the contractor in the location designated by the building official and shall be posted on all existing buildings. Permits for commercial and multi-family unit buildings shall be issued only to licensed contractors in conformance with chapter 624 of the Nevada Revised Statutes.

SECTION 15.

100.070 U.B.C. Section 107.2 amended: Permit fees. Section 107.2 of the Uniform Building Code is hereby amended to read as follows:

107.2.1 Calculation of value of project. For the purpose of imposing the building permit fees established by this chapter, the county building office shall calculate:

1) The value of a single-family residential project by using the Marshall and Swift Valuation Service in effect on June 30, 1989.

2) The value of a multiple-family residential project, a commercial project, an industrial project, and any other project which is not a single-family residential project by using the valuation set forth in the May-June 1989 edition of the Building Standards magazine published by the International Conference of Building Officials.

3) If not defined by above methods, by using the contract price of the work.

107.2.2 Table 1-A. Building permit fees shall be based on Table 1-A of this code. Any table, list or other specifications of building permit fees contained in any edition of the Uniform Building Code adopted pursuant to section

100.010 is amended to read as follows:

TABLE 1-A -- BUILDING PERMIT FEES

| TOTAL VALUATION | FEE |
|--------------------------------|--|
| \$1.00 to \$500.00 | \$18.06 |
| \$501.00 to \$2,000.00 | \$18.06 for the first \$500.00 plus \$2.40 for each additional \$1,000.00, or fraction thereof, to and including \$2,000.00. |
| \$2,001.00 to \$25,000.00 | \$54.16 for the first \$2,000.00 plus \$10.84 for each additional \$1,000, or fraction thereof, to and including \$25,000.00. |
| \$25,001 to \$50,000.00 | \$303.24 for the first \$25,000.00 plus \$7.83 for each additional \$1,000.00, or fraction thereof, to and including \$50,000.00. |
| \$50,001.00 to \$100,000.00 | \$498.78 for the first \$50,000.00 plus \$5.41 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00. |
| \$100,001.00 to \$500,000.00 | \$769.53 for the first \$100,000.00 plus \$4.21 for each additional \$1,000.00 or fraction thereof, to and including \$500,000.00. |
| \$500,001.00 to \$1,000,000.00 | \$2,454.20 for the first \$500,000.00 plus \$3.62 for each additional \$1,000.00 or fraction thereof, to and including \$1,000,000.00. |
| \$1,000,001.00 and up | \$4,259.21 for the first \$1,000,000.00 plus \$2.40 for each additional \$1,000.00, or fraction thereof. |

Other Inspections and Fees:

1. Inspection outside of the normal business hours (minimum charge--two hours) \$36.11 per hour*
2. Reinspection fees assessed under provisions of Section 108.8 \$36.11 per hour*
3. Inspections for which no fee is specifically indicated (minimum charge--one-half hour) \$36.11 per hour*
4. Additional plan review required by changes, additions or revisions to plans (minimum charge--one-half hour) \$36.11 per hour*
5. For use of outside consultants for plan checking and inspection, or both Actual Costs**
6. Fence \$24.07
7. Walls, masonry (retaining or fence) \$24.07
8. Deck (each) (except when constructed with new dwelling) \$24.07

| | |
|--|---------|
| 9. Detached accessory buildings (metal or wood) under 200 sq. ft. (barns, garages, sheds, storage buildings) | \$24.07 |
| 10. Carport, patio cover, awning, screenroom (wood or metal) | \$24.07 |
| 11. Wood stove (and inserts) | \$24.07 |
| 12. Re-roof for single-family dwellings | \$24.07 |
| 13. Re-roof for all others by contract price w/no plan check fee | |
| 14. Business license | \$24.07 |
| 15. Mobile home safety seal | \$60.18 |
| 16. Move or alter | \$48.14 |

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

** Actual costs include administrative and overhead costs.

The fees listed in this subsection, plus any increase made pursuant to subsection 2, must be paid prior to the issuance of a building permit.

107.2.3 Fee increase by NRS 354.59891.

1. Unless the provisions of subsections 3 and 4 of NRS 354.59891 are followed, the building permit basis of a project is hereby increased on the first day of each fiscal year by multiplying the building permit fee rate for the prior fiscal year by a percentage not to exceed the percentage increase in the consumer price index for the prior calendar year. The product of that multiplication is the new building permit fee rate, which shall be used to calculate the building permit fee. The amount of annual percentage increase of the building permit fee rate to be imposed in a fiscal year shall be recommended to the board of county commissioners by the building official, and may range from zero percent to the total percentage increase in the consumer price index. The increase shall become effective upon approval by the board of county commissioners of an ordinance imposing the increase. If one or more annual increases are permitted by NRS 354.59891 and this section, but are not imposed, or are imposed in a percentage lower than the maximum allowed percentage, the cumulative sum of the unimposed percentage increases may be imposed by ordinance of the board in any subsequent fiscal year.

2. If one or more annual increases are imposed by an ordinance which total less than the maximum number of annual increases that could have been imposed by that ordinance, the imposition of less than the maximum is not a waiver of the right to impose by a subsequent ordinance these increases which could have been imposed but which were not.

107.2.4 Definition. As used in this section:

(1) "Building permit basis" means the combination of the fee rate established by this section and the valuation obtained by the Marshall-Swift Valuation Service to calculate the total building permit fee.

(2) "Building permit" means the official document issued by the county building inspector which authorizes the construction of a structure.

(3) "Building permit fee" means the total fees that must be paid before the issuance of a building permit, including, without limitation, all permit fees and normal inspection fees. The term does not include, without limitation, fees relating to water, sewer or other utilities, residential construction tax, other fees imposed in this chapter or any amount expended to change the zoning of the property.

SECTION 16.

100.075 U.B.C. Section 107.3 amended: Plan review fees. Section 107.3 of the Uniform Building Code is hereby amended to read as follows:

107.3 Plan review fees. When the submittal documents are required by Section 106.3.2, a plan review fee shall be paid at the time of the submitting of the submittal documents for plan review. The review fee shall be a percentage of the building permit fees as shown in Table 1-A. The percentage of fee shall be as follows:

| | |
|---|---------------------|
| Single-family dwelling | 50% of building fee |
| Accessory buildings to single-family dwellings, exception as listed below | 50% of building fee |
| All other permits | 65% of building fee |
| Master Plan (repeat plan) projects | 25% of building fee |

The plan review fees specified in this subsection are separate fees from the permit fees specified in Section 107.2 and are in addition to the permit fees.

When submittal documents are incomplete or changed so as to require additional plan review, or when the project involves deferred submittal items as defined in Section 106.3.4.2, an additional plan review fee shall be charged at the rate shown in Table 1-A.

SECTION 17.

100.080 U.B.C. Section 107.6 amended: Fee refunds and exemptions. Section 107.6 of the Uniform Building Code is hereby amended to read as follows:

107.6 Fee refunds. The building official may authorize the refunding of the following fees:

107.6.1 Refund of permit fees.

1.1 Except as provided in subparagraph 1.2, the building official shall refund any portion of a permit fee paid pursuant to any provision of this code if:

1. No work authorized by the building permit has been commenced on the project site; and

2. A written application for a refund is submitted to the building official within 180 days after the date the permit was issued.

1.2 No portion of the tax imposed pursuant to section 20.457 (residential construction tax) of the Washoe County Code is refundable, but credit for any tax paid shall be given to any subsequent applicant for a building permit on the same project site.

1.3 The building official shall refund 100 percent of the permit fee paid pursuant to Section 107.2 of this section if:

1. The applicant for refund is organized as a non-profit corporation under chapter 82 of the Nevada Revised Statutes;

2. The applicant is recognized as exempt under Rule 501(C)3 of the Internal Revenue code;

3. The fee is for a structure or work used to meet the needs of disadvantaged, disabled, handicapped or indigent persons;

4. The permit for which the refund is sought was for work that was abandoned and not completed;

5. Substantially the same work will be commenced at a different location under a second permit; and

6. Written application for a refund is submitted to the building official in advance of or concurrent with an application for a second permit, and is submitted before the first permit expires.

1.4 A refund authorized by subparagraph 1.3 may not be paid until the second permit has been obtained.

107.6.2 Refund of plan review fees.

2.1 The building official shall refund 80 percent of the plan review fee paid pursuant to Section 107.3 if:

1. The application for a permit for which a plan review fee has been paid is withdrawn by the applicant before any plan reviewing is done; and

2. A written application for refund is submitted to the building official within 5 days after the date the application was withdrawn.

2.2 The building official shall refund 100 percent of the plan review fee paid pursuant to Section 107.3 if:

1. The building official requires the applicant to apply for a permit that is not required by this code;

2. No work authorized by a permit, if issued, has been commenced on the project site; and

3. A written application for refund is submitted to the building official within 30 days after notice to the appli-

cant that a permit is not required or, if a permit has been issued, within 30 days after the issuance of the permit.

107.6.3 Wood stove fee refund. Any fees and charges paid to Washoe County for replacement of a nonconforming wood stove with a conforming wood stove shall be refunded to the permittee, if paid, or shall be waived in advance under the following conditions:

3.1 The board of county commissioners has adopted a resolution providing a period of time, not to exceed 30 days in any year, during which a nonconforming wood stove can be replaced by a conforming wood stove without charge for required permits and inspections; and

3.2 The replacement occurred or will occur during the designated time period.

107.6.4 Thirty-day board waiver. This section applies to all requests for refunds or waivers applicable to replacement of conforming wood stoves which were installed during February 1994 and during any 30-day period designated thereafter.

SECTION 18.

100.085 U.B.C. Section 108.5 amended: Required inspections. Section 108.5 of the Uniform Building Code is hereby amended to read as follows:

108.5 Required inspections.

108.5.1 General. Reinforcing steel or structural framework of any part of any building or structure shall not be covered or concealed without first obtaining the approval of the building official. Any inspections or approvals are for the benefit of the general public at large and are not for the benefit of any occupant, owner or any specific individual or a specific class of individuals. The building official, upon notification, shall make the inspections set forth in the following subsections.

108.5.2 Foundation inspection. To be made after excavation for footings are complete and any required reinforcing steel is in place. For concrete foundations, any required forms shall be in place prior to inspection. All materials for the foundation shall be on the job, except where concrete is ready mixed in accordance with U.B.C. Standard 19-3, in which case the concrete need not be on the job. Where the foundation is to be constructed of approved treated wood, additional inspections may be required by the building official. If required by the building official, certification of the setbacks shall be provided by a Nevada licensed engineer or surveyor.

108.5.3 Concrete slab or under-floor inspection. To be made after all in-slab or under-floor building service equipment, conduit, piping accessories and other ancillary equipment items are in place, but before any concrete is placed or floor sheathing installed, including the subfloor.

108.5.4 Exterior shearwall inspection. To be made prior to the application of exterior siding or cover.

108.5.5 Frame inspection. To be made after the permanent roofing, all framing, fire blocking and bracing are in place and all pipes, chimneys and vents are complete and the rough electrical, plumbing, and heating wires, pipes and ducts are approved.

108.5.6 Insulation inspection. To be made after frame inspection has been approved.

108.5.7 Interior shearwall inspection. To be made prior to application of wall covering.

108.5.8 Lath or gypsum board inspection. To be made after all lathing and gypsum board, interior and exterior, are in place, but before any plastering is applied or before gypsum board joints and fasteners are taped and finished.

108.5.9 Final inspection. To be made after finish grading and the building is completed and ready for occupancy. If required by the building official, certification of the drainage shall be provided by a Nevada licensed engineer or surveyor.

108.5.10 Business license inspection. A business license inspection shall be required when there occurs a change in ownership, tenant or character of the use of any building which requires the issuance of a business license by Washoe County. Inspection is to achieve compliance with fire, health and safety standards as approved by the building official. Standards do not waive the requirements outlined in Section 3405 of the U.B.C. for change of use.

SECTION 19.

100.090 U.B.C. Section 109.1 amended: Use and occupancy. Section 109.1 of the Uniform Building Code is hereby amended to read as follows:

109.1 Use and occupancy. No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the building official has issued a certificate of occupancy therefor as provided herein.

Exception: Group U Occupancies.

Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

SECTION 20.

100.095 U.B.C. Section 109.3 amended: Certificate issued. Section 109.3 of the Uniform Building Code is hereby amended to read as follows:

109.3 Certificate Issued. After being notified by the builder or owner that the building or structure is completed and after the building official inspects the completed building or structure, the building official shall issue a certificate of occupancy which shall contain the following:

1. The building permit number;
2. The address of the building;
3. The name of the building official;
4. Date of issuance.

SECTION 21.

100.100 U.B.C. Section 202 amended: Definition of apartment house. The term "apartment house" of Section 202 of the Uniform Building Code is hereby amended to read as follows:

Apartment house is any building or portion thereof which contains two or more dwelling units and, for the purpose of this code, includes residential condominiums.

SECTION 22.

100.105 U.B.C. Section 204 amended: Definition of commercial coach. Section 204 of the Uniform Building Code is hereby amended by adding the term "commercial coach" to read as follows:

Commercial coach means a structure without motive power which is designed and equipped for human occupancy for industrial, professional or commercial purposes.

SECTION 23.

100.110 U.B.C. Section 204 amended: Definition of condominium. The term "condominium" of Section 204 of the Uniform Building Code is hereby amended to read as follows:

Condominium is an estate in real property consisting of an undivided interest in common portions of a parcel of real

property together with a separate interest in space in a residential, industrial or commercial building on such real property.

SECTION 24.

100.115 U.B.C. Section 205 amended: Definition of driveway. Section 205 of the Uniform Building Code is hereby amended by adding the term "driveway" to read as follows:

Driveway is a private road or easement giving access from a dedicated way to a building on abutting land.

SECTION 25.

100.120 U.B.C. Section 205 amended. Definition of a dwelling. The term "dwelling" of Section 205 of the Uniform Building Code is hereby amended to read as follows:

Dwelling is any building or portion thereof which contains not more than one dwelling unit.

SECTION 26.

100.125 U.B.C. Section 208 amended: Definition of greenhouse. Section 208 of the Uniform Building Code is hereby amended by adding the term "greenhouse" to read as follows:

Greenhouse is a detached structure, the roof and sides of which consist largely of glass, for the purpose of cultivating delicate or out-of-season plants, the temperature being kept up by means of artificial, solar or geothermal heat.

SECTION 27.

100.130 U.B.C. Section 214 amended: Definition of manufactured home. Section 214 of the Uniform Building Code is hereby amended by adding the term "manufactured home" to read as follows:

Manufactured home. Manufactured home is a dwelling unit fabricated in an off-site manufacturing facility for installation or assembly at the building site, bearing a label certifying that it is built in compliance with the Federal Manufactured Housing Construction and Safety Standards in effect on the date of manufacture. A manufactured home is further defined by Nevada Revised Statute 489.113. A manufactured home is not a mobile home, nor a modular building.

SECTION 28.

100.135 U.B.C. Section 214 amended: Definition of mini-warehouse. Section 214 of the Uniform Building Code is

hereby amended by adding the term "mini-warehouse" to read as follows:

Mini-warehouse is a structure containing two or more spaces, each not larger than 200 square feet in floor area, for the storage or safekeeping of goods.

SECTION 29.

100.140 U.B.C. Section 214 amended: Definition of mobile home. Section 214 of the Uniform Building Code is hereby amended by adding the term "mobile home" to read as follows:

Mobile home is a transportable, fabricated home, designed to be used as a year-round residential dwelling and built prior to the enactment of the Federal Manufactured Housing Construction and Safety Standards Act of 1974, which became effective June 15, 1976. A mobile home, further defined by Nevada Revised Statute 489.120, does not bear an insignia of approval that the dwelling unit was built in compliance with NRS chapter 461. A mobile home is not a manufactured home, nor a modular building.

SECTION 30.

100.145 U.B.C. Section 214 amended: Definition of modular building. Section 214 of the Uniform Building Code is hereby amended by adding the term "modular building" to read as follows:

Modular building is a structure fabricated in an off-site manufacturing facility for installation or assembly at a building site, bearing a label certifying that it is built in compliance with local Uniform Building Code standards and further meets all requirements of Washoe County Code chapter 100. Modular buildings shall be subject to the same permit process as site built structures. A modular building is not a manufactured home or a commercial coach, but includes what is commonly referred to as panelized building construction.

SECTION 31.

100.150 U.B.C. Section 220 amended: Definition of sun room. Section 220 of the Uniform Building Code is hereby amended by adding the term "sun room" to read as follows:

Sun room is a habitable glass enclosed porch or living area also called sun porch, sun parlor, or solar room or similar names.

SECTION 32.

100.155 U.B.C Section 310.1 amended: Group R occupancies defined. Section 310.1 of the Uniform Building Code is hereby amended to read as follows:

310.1 Group R occupancies defined. Group R occupancies shall be:

Division 1. Hotels, apartment houses, condominiums with 2 or more units, congregate residences (each accommodating more than 10 persons).

Division 2. Not used.

Division 3. Dwellings, lodging houses, townhouses, congregate residences (each accommodating 10 persons or less).

SECTION 33.

100.160 U.B.C Section 310.9.1.4 amended: Smoke detectors. Section 310.9.1.4 of the Uniform Building Code is hereby amended to read as follows:

310.9.1.4 Location within dwelling units. In dwelling units, a detector shall be installed in each sleeping room and at a point centrally located in the corridor or area giving access to each separate sleeping area. When the dwelling unit has more than one story and in dwellings with basements, a detector shall be installed on each story and in the basement. In dwelling units where a story or basement is split into two or more levels, the smoke detector shall be installed on the upper level, except that when the lower level contains a sleeping area, a detector shall be installed on each level. When sleeping rooms are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24 inches (610 mm) or more, smoke detectors shall be installed in the hallway and in the adjacent room. Detectors shall be interconnected to sound an alarm audible in all sleeping areas of the dwelling unit in which they are located.

SECTION 34.

100.165 U.B.C. Section 310.9.1.5 amended: Smoke detectors-hotel. Section 310.9.1.5 of the Uniform Building Code is hereby amended to read as follows:

310.9.1.5 Location in efficiency dwelling units, congregate residences and hotels. In efficiency dwelling units, hotel suites and in hotel and congregate residence sleeping rooms, detectors shall be located on the ceiling or wall of the main room or each sleeping room. When sleeping rooms

within an efficiency dwelling unit or hotel suite are on an upper level, the detector shall be placed at the ceiling of the upper level in close proximity to the stairway. When actuated, the detector shall sound an alarm audible within the sleeping area of the dwelling unit or congregate residence, hotel suite, or sleeping room in which it is located. When multiple detectors are installed to comply with these provisions, the detectors shall be interconnected.

SECTION 35.

100.170 U.B.C. Section 312.1 amended: Group U occupancies defined. Section 312.1, Division 2 of the Uniform Building Code is hereby amended to read as follows:

Division 2. Fences, tanks and towers. For occupancy separations, see Table 3-B.

SECTION 36.

100.175 U.B.C. Section 312.2.1 amended: General. Section 312.2.1 of the Uniform Building Code is hereby amended to read as follows:

312.2.1 General. Buildings or parts of buildings classed as Group U, Division 1 occupancies because of the use or character of the occupancy shall not exceed 1,000 square feet (99 m sq.) in area or one story in height except as provided in Section 308.2.2. Any building or portion thereof that exceeds the limitations specified in this chapter shall be classified in the occupancy group other than Group U, Division 1 that it most nearly resembles.

Fences constructed in conjunction with all occupancies must be constructed with new materials or materials previously used for fencing and approved by the building official. Electric fences will be allowed in all agricultural lots sized one acre or larger.

SECTION 37.

100.180 U.B.C. Section 403.1 amended: Special provisions. Section 403.1 of the Uniform Building Code is hereby amended to read as follows:

403.1 Scope. This section shall apply to all buildings regardless of type of construction, occupancy group, or mixed occupancy groups, each having floors used for human occupancy located more than 55 feet (16764 mm) above or below the lowest level of fire department vehicle access. Such buildings shall be provided with an approved automatic sprinkler system in accordance with Section 403.2.

Exception: Occupancy groups S-2, S-3, S-4 and H, unless any of these groups are used in combination with another

group, then the provisions of Section 403.1 shall apply.

403.1.1 High rise provisions. This section applies to all Group B office buildings and Group R, Division 1 occupancies, each having floors used for human occupancy located more than 75 feet (22860 mm) above the lowest level of fire department vehicle access. Such buildings shall be of Type 1 or Type 2-F.R. construction and shall be provided with an approved automatic sprinkler system in accordance with Section 403.2.

SECTION 38.

100.185 U.B.C. Section 403.5.2 amended: Emergency voice alarm signaling system. Section 403.5.2 of the Uniform Building Code is hereby amended to read as follows:

403.5.2 Emergency voice alarm signaling system. The operation of any automatic fire detector, sprinkler or water-flow device shall automatically sound an alert tone followed by voice instructions giving appropriate information and direction on a general or selective basis to the following terminal areas:

1. Elevators.
2. Elevator lobbies.
3. Corridors.
4. Exit stairways.
5. Rooms and tenant spaces exceeding 1,000 square feet (93 m sq.) in area.
6. Dwelling units in apartment houses.
7. Hotel guest rooms or suites.

A manual override for emergency voice communication shall be provided for all paging zones. Loud speakers or horns used for a fire alarm system must achieve at least 80 decibels of sound in all areas within the protected property.

SECTION 39.

100.190 U.B.C. Section 403.6.1 amended: Central control station. Section 403.6.1 of the Uniform Building Code is hereby amended to read as follows:

403.6.1 General. A central control station room for fire department operations shall be provided. The location and accessibility of the central control station room shall be approved by the fire department. The central station room shall be separated from the remainder of the building by not less than a 2-hour resistive occupancy separation. The room shall be a minimum of 96 square feet (9 m sq.) with a minimum dimension of 8 feet (2438 mm). The room shall have a door which opens directly to the exterior and shall have a independent h.v.a.c. system. It shall contain the following as a minimum:

1. The voice alarm and public address system panels.
2. The fire department communications panel.
3. Fire-detection and alarm system enunciator panels.
4. Enunciator visually indicating the location of the elevators and whether they are operational.
5. Status indicators and controls for air-handling systems.
6. Controls for unlocking all stairway doors simultaneously.
7. Sprinkler valve and water-flow detector display panels.
8. Emergency and standby power status indicators.
9. A telephone for fire department use with controlled access to the public telephone system.
10. Fire pump status indicators.
11. Schematic building plans indicating the typical floor plan and detailing the building core, exit facilities, fire-protection systems, firefighting equipment and fire department access.
12. Work table.

SECTION 40.

100.195 U.B.C. Section 403.8.2 amended: Standby power, light and emergency systems. Section 403.8.2 of the Uniform Building Code is hereby amended to read as follows:

403.8.2 Standby lighting. Standby lighting shall be provided as follows:

1. Separate lighting circuits and fixtures sufficient to provide light with an intensity of not less than one foot-candle measured at floor level in all exit corridors, stairways, pressurized enclosures, elevator cars and lobbies and other areas which are clearly a part of the escape route.
2. All circuits supply lighting for the central control station and mechanical equipment room.
3. Approved battery-operated lighting shall be provided in all required exit corridors, stairways, smokeproof enclosures, lobbies and other enclosed areas which are clearly a part of the Exit system as described in paragraph 1 and as defined in Section 1001.2 or as determined by the fire department.

SECTION 41.

100.200 U.B.C. Section 403.9 amended: Exits. Section 403.9 of the Uniform Building Code is hereby amended to read as follows:

403.9 Exits. Exits shall comply with other requirements of this code and the following:

1. All stairway doors which are locked from the stairway

side shall have the capability of being unlocked simultaneously without unlatching upon a signal from the central control station or by the activation of any fire alarm system or a power failure.

2. A telephone or other two-way communications system connected to an approved emergency service which operates continuously shall be provided at not less than every fifth floor in each required stairway where other provisions of this code permit the doors to be locked.

SECTION 42.

100.205 U.B.C. Section 503.2.1 amended: Fire resistance of walls. Section 503.2.1 of the Uniform Building Code is hereby amended to read as follows:

503.2.1 General. Exterior walls shall have fire resistance and opening protection as set forth in Table 5-A and in accordance with such additional provisions as are set forth in Chapter 6. Distance shall be measured at right angles from the property line. The above provisions shall not apply to walls at right angles to the property line.

Exception: Exterior walls of a mini-warehouse as defined by Washoe County Code 100.135 shall be one-hour fire-resistive construction when less than 10 feet from a property line.

Projections beyond the exterior wall shall comply with Section 705 and shall not extend beyond:

1. A point one-third the distance to the property line from an assumed vertical plane located where fire-resistive protection of openings is first required due to location on property; or

2. More than 12 inches (305 mm) into areas where openings are prohibited.

SECTION 43.

100.210 U.B.C. Chapter 5 amended: General building limitations. Section 510 of the Uniform Building Code is hereby amended by adding:

510 Driveways. Every structure subject to human occupancy or vehicular storage shall be provided with a driveway. Alignment shall be safe and convenient for vehicular ingress and egress. An adequate turnaround shall be provided if determined to be necessary by the building official.

SECTION 44.

100.215 U.B.C. Section 601.1 amended: Classification of all buildings by types of construction and general requirements. Section 601.1 of the Uniform Building Code is hereby amended to read as follows:

601.1 General. The requirements of this chapter are for the various types of construction and represent varying degrees of public safety and resistance to fire. Every building shall be classified by the building official into one of the types of construction set forth in Table 6-A. Any building which does not entirely conform to a type of construction set forth in Table 6-A shall be classified by the building official into a type having an equal or lesser degree of fire resistance.

A building or portion thereof shall not be required to conform to the details of a type of construction higher than that type which meets the minimum requirements based on occupancy even though certain features of such building actually conform to a higher type of construction.

When specific materials, types of construction or fire-resistive protection are required, such requirements shall be the minimum requirements, and any materials, types of construction or fire-resistive protection which will afford equal or greater public safety or resistance to fire, as specified in this code, may be used.

For additional limitations or allowances for special uses or occupancies, see the following:

| <u>SECTION</u> | <u>SUBJECT</u> |
|----------------|--|
| 307.11 | Group H, Division 6 occupancies |
| 311.9 | Open parking structures |
| 402 | Atria |
| 403 | High-rise office buildings and Group R Division 1 occupancies |
| 404 | Malls |
| 412 | Aviation control structures |
| 414 | Agricultural buildings |
| 704.1 | Combustible material protection specified by Washoe County Code section 100.220 |
| 3111 | Membrane structures |

SECTION 45.

100.220 U.B.C. Section 704.1 amended: Protection of structural members. Section 704.1 of the Uniform Building Code is hereby amended to read as follows:

704.1 General. Structural members having the fire-resistive protection set forth in Table 7-A shall be assumed to have the fire-resistive ratings set forth therein. When combustible materials are used in the structural frame,

including secondary members, all combustibles shall be protected with a minimum of 5/8 inch gypsum wallboard or equivalent material attached to the members.

Exception:

1. Group R occupancies shall be protected with a minimum of 1/2 inch gypsum wallboard or equivalent attached to the members.

2. Group U occupancies.

3. Buildings equipped with an automatic fire sprinkler system.

These exceptions do not exempt the use of fire-resistive construction where required elsewhere in this code.

SECTION 46.

100.225 U.B.C. Section 904.2.2 amended: Automatic fire-extinguishing systems. Section 904.2.2 of the Uniform Building Code is hereby amended to read as follows:

904.2.2 All occupancies except Group R, Division 3 and Group U occupancies. Except for Group R, Division 3 and Group U occupancies, an automatic sprinkler system shall be installed:

1. In every story or basement of all buildings when the floor area exceeds 1,500 square feet (139.4 square meters) and there is not provided at least 20 square feet (1.86 square meters) of opening entirely above the adjoining ground level in each 50 lineal feet (15240 mm) or fraction thereof of exterior wall in the story or basement on at least one side of the building. Openings shall have a minimum dimension of not less than 30 inches (762 mm). Such openings shall be accessible to the fire department from the exterior and shall not be obstructed in a manner that firefighting or rescue cannot be accomplished from the exterior.

When openings in a story are provided on only one side and the opposite wall of such story is more than 75 feet (22860 mm) from such openings, the story shall be provided with an approved automatic sprinkler system, or openings as specified above shall be provided on at least two sides of an exterior wall of the story.

If any portion of a basement is located more than 75 feet (22860 mm) from openings required in this section, the basement shall be provided with an approved automatic sprinkler system.

2. At the top of rubbish and linen chutes and in their terminal rooms. Chutes extending through three or more floors shall have additional sprinkler heads installed within such chutes at alternate floors. Sprinkler heads shall be accessible for servicing.

3. In rooms where nitrate film is stored or handled.

4. In protected combustible fiber storage vaults as

defined in chapter 60 of the Washoe County Code.

5. Throughout all buildings having floors located more than 55 feet (16764 mm) above or below the lowest level of fire department vehicle access.

Exception: Open parking structures.

SECTION 47.

100.230 U.B.C. Section 1007.3 amended: Ramp slopes. Section 1007.3 of the Uniform Building Code is hereby amended to read as follows:

1007.3 Slope. The slope of ramps required by Chapter 11 which are located within an accessible route of travel shall not be steeper than 1 unit vertical in 12 units horizontal (8% slope). The slope of other ramps shall not be steeper than 1 unit vertical in 8 units horizontal (12.5% slope). All ramps shall have no sloping surfaces in any direction exceeding the allowable slope as prescribed above.

SECTION 48.

100.235 U.B.C. Section 1009.7 amended: Stairway, ramp and escalator pressurized enclosures. Section 1009.7 of the Uniform Building Code is hereby amended to read as follows:

1009.7 Pressurized enclosure. In a building having a floor used for human occupancy which is located more than 55 feet (16,764 mm) above or below the lowest level of fire department vehicle access, the entire required enclosure shall be pressurized in accordance with Section 905 of this code and this section. Pressurization shall occur automatically upon activation of an approved fire alarm system.

Exception: When the building is not equipped with a fire alarm system, pressurization shall be upon activation of a spot-type smoke detector listed for releasing service installed within 5 feet (1524 mm) of each vestibule entry.

The upper portion of such enclosure shall be provided with controlled relief vent capable of discharging a minimum of 2,500 cubic feet per minute (1180 L/s) of air at the design pressure difference. Such enclosure shall be provided with a pressurized entrance vestibule.

SECTION 49.

100.240 U.B.C. Table 10-A amended: Minimum egress requirements. Table 10-A of the Uniform Building Code is hereby amended by adding the following:

Table 10-A adding to "USE" column item #3: Casinos, minimum of two exits other than elevators are required where number of occupants is at least 50, occupant load factor is 7.

SECTION 50.

100.245 U.B.C. Section 1105.2.2 amended: Facility accessibility. Section 1105.2.2 of the Uniform Building Code is hereby amended to read as follows:

1105.2.2 Toilet facilities. Toilet facilities located within accessible dwelling units, guest rooms and congregate residences shall comply with CABO/ANSI A117.1. In other occupancies, each toilet room shall be accessible. At least one of each type of fixture or element in each toilet room shall be accessible. When toilet stalls are provided in a toilet room, at least one toilet stall shall be wheelchair accessible. When six or more toilet stalls are provided in a room, at least one ambulatory accessible toilet stall shall be provided in addition to the wheelchair accessible toilet stall.

Exception: Toilet facility for a single occupant and not for common or public use may be adaptable. When urinals are provided in conjunction with the above, at least one urinal shall be floor mounted.

SECTION 51.

100.250 U.B.C. Section 1503 amended: Roof-covering requirements. Section 1503 of the Uniform Building Code is hereby amended to read as follows:

1503 Roof-covering requirements. The roof covering on any structure regulated by this code shall be as specified in Table 15-A and as classified in Section 1504. The roof-covering assembly includes the roof deck, underlayment, interlayment, insulation and covering which is assigned a roof-covering classification.

Washoe County is classified as a high wind and a severe climate area and is subject to wind driven snow, see Washoe County Code 100.260.

SECTION 52.

100.255 U.B.C. Section 1506.3 amended: Roof drainage. Section 1506.3 of the Uniform Building Code is hereby amended to read as follows:

1506.3 Overflow drains and scuppers. Where roof drains are required, overflow drains having the same size as the roof drains shall be installed with the inlet flow line located 2 inches (51 mm) above the low point of the roof, or overflow scuppers having three times the size of the roof drains may be installed in adjacent parapet walls with the inlet flow line located 2 inches (51 mm) above the low point of the adjacent roof and having a minimum opening height of 4 inches (102 mm). Overflow drains shall be connected to

drain lines independent from the roof drain lines. An oversized opening, 8 inches (204 mm) x 16 inches (408 mm) minimum, is allowed as a combination roof drain and overflow drain.

SECTION 53.

100.260 U.B.C. Section 1507.1.1 amended: Roof-covering materials and application. Section 1507.1.1 of the Uniform Building Code is hereby amended by adding:

1507.1.1 Materials. Roof ice build-up protection is required at an elevation of 5300 feet and above throughout Washoe County.

Exception: Unheated detached Group U occupancies.

The application of all roofing materials shall be in accordance with this code or the manufacture's installation requirements for high winds.

SECTION 54.

100.265 U.B.C. Table 15-B-2 amended: Wood shingle or shake application. Table 15-B-2 of the Uniform Building Code is hereby amended by deleting any reference to spaced sheathing.

SECTION 55.

100.270 U.B.C. Table 15-D-2 amended: Clay or concrete roofing tile application. Table 15-D-2 of the Uniform Building Code is hereby amended by deleting any reference to spaced sheathing.

SECTION 56.

100.275 U.B.C. Section 1603.6 amended: Load factors and load combinations. Section 1603.6 of the Uniform Building Code is hereby amended to read as follows:

1603.6 Load factors and load combinations. When the design of a building, structure or portion thereof is based on ultimate strength design (concrete), plastic design (steel), or load and resistance factor design (steel), each component shall be designed to resist the most critical effects of the load factors and load combinations in the appropriate material chapter or U.B.C. standard. When the design on a building, structure, or portion thereof is based on allowable stress or working stress design, each component shall be designed to resist the most critical effect resulting from the following combination of loads. (Floor live load shall not be included when its inclusion results in lower stresses in the member under investigation.)¹

1. Dead plus floor live plus roof live (or snow).¹
2. Dead plus floor live plus wind (or seismic).²
3. Dead plus floor live plus wind plus snow/2.²
4. Dead plus floor live plus snow plus wind/2.²
5. Dead plus floor live plus snow plus seismic.²

¹Lateral earth pressure shall be included in the design when it will result in a more critical combination.

²Crane hook loads need not be combined with roof live load or with more than three-fourths of the snow load or one-half of the wind load.

³Design snow loads of 30 pounds per square foot or less need not be combined with seismic loads. Where design snow loads exceed 30 psf, the design snow load shall be included with the seismic loads, but may be reduced up to 66 percent.

SECTION 57.

100.280 U.B.C. Table 16-C amended: Roof live loads.
Table 16-C of the Uniform Building Code is hereby amended to read as follows:

TABLE NO. 16-C^{1,2,3,4}

| Elevation above Sea Level in Feet | Lake Tahoe Basin Snow Load | Sierra East Slope | Remainder of Washoe County |
|-----------------------------------|----------------------------|-------------------|----------------------------|
| 0 - 5,300 | | 20 | 20 |
| 5,300 | | 64 | 20 |
| 5,500 | | 80 | 20 |
| 6,000 | 155 | 100 | 30 |
| 6,500 | 165 | 120 | 30 |
| 7,000 | 175 | 140 | 40 |
| 7,500 | 185 | 150 | 40 |
| 8,000 | 200 | 160 | 60 |
| 8,500 | 225 | 170 | 60 |
| 9,000 | 250 | 190 | 80 |
| 9,500 | 275 | 210 | 100 |
| 10,000 | 300 | 250 | 100 |

¹All manufactured trusses shall be stamped for the design load.

²Intermediate values may be interpolated by proportion.

³Deviations from Table 16-C for snow loading on structures above 5,300 foot elevation may be permitted by the building

official provided the snow load conditions in each individual case are derived and certified to by a registered structural engineer who can show experience in snow load evaluation.

⁴In the design of buildings and structures above 5,300 foot elevation, consideration shall be given to the following:

1. Unbalanced loading conditions.
2. Drifting due to adjacent obstructions.
3. Accumulation in valleys and adjacent to parapet wall and chimneys.
4. Ice loading on cornices.
5. Possible impact loading from snow falling on the structure from a higher roof.
6. Effect on the structure from dynamic loading caused by snow sliding off the roof.
7. Snow sliding off the roof and dynamically loading a side embankment adjacent to the structure.
8. Any permanent automatic roof heating system.
9. Protection of entrances and exits from the danger of falling icicles and snow sliding off pitched roofs. Roof drainage shall be diverted away from doors.
10. Engineering will be required for all structures above 5,300 foot elevation.
11. For loads 20 pounds per square foot and less, no reductions shall be used.

SECTION 58.

100.285 U.B.C. Section 1616 amended: Basic wind speed. Section 1616 of the Uniform Building Code is hereby amended to read as follows:

1616 Basic wind speed. The minimum basic wind speed at any site in Washoe County shall be 85 miles per hour.

SECTION 59.

100.290 U.B.C. Section 1617 amended: Exposure. Section 1617 of the Uniform Building Code is hereby amended to read as follows:

1617 Exposure. An exposure of "C" shall be used as a minimum in the design of all structures within Washoe County unless a registered engineer can show experience in wind load evaluation and submits calculations and data to derive a different exposure. All structures within 1/4 mile from the shoreline at Lake Tahoe shall be designed as minimum exposure "C".

SECTION 60.

100.295 U.B.C. Section 1627.2 amended: Seismic zone. Section 1627.2 of the Uniform Building Code is hereby amend-

ed to read as follows:

1627.2 Seismic zone. All structures in Washoe County shall be designed and constructed to the minimum Zone 3 code provisions of Z=.30.

SECTION 61.

100.300 U.B.C. Section 1804.8 amended: Foundation investigation. Section 1804.8 of the Uniform Building Code is hereby amended by adding the following section:

1804.8 Engineering certification. All parcels 2 acres and smaller, and all parcels within an approved subdivision shall require that a Nevada Registered Civil Engineer or a Nevada Registered Land Surveyor submit a certification letter to the building official prior to the scheduling of inspections for the following:

1. Nevada Registered Civil Engineer to certify:
 - 1.1. Soils investigation report indicating soils classification and design prior to the foundation inspection.
 - 1.2. Elevation, grading and drainage certification per the approved construction plans prior to the issuance of a certificate of occupancy.
2. Nevada Registered Civil Engineer or a Nevada Registered Land Surveyor to certify:
 - 2.1. Foundation elevation and building setback certification as per the approved plot plan prior to the foundation inspection.

SECTION 62.

100.305 U.B.C. Section 1806.1 amended: Footings. Section 1806.1 of the Uniform Building Code is hereby amended to read as follows:

1806.1 General. Footings and foundations, unless otherwise specifically provided, shall be constructed of masonry, concrete or treated wood in conformance with U.B.C. Section 1810 and shall in all cases extend below the frost line. The frost line referred to shall be defined as 24 inches below finished grade. Footings of concrete and masonry shall be of solid material. Foundations supporting wood shall extend at least 6 inches above the adjacent finish grade. There shall be a minimum of one #4 continuous reinforcing bar in the top of all foundation walls, and one #4 continuous reinforcing bar in the footing. When the footing and foundation wall are placed separately or when the foundation wall exceeds 24 inches in height, #4 vertical bars, at 48 inches on center (48" O/C.) or 32 inches on center when using concrete block, shall be used to connect the footing with the foundation wall. When engineering data is provided, the footing and foundation wall steel requirements

may be reduced. Where a foundation wall exceeds 4 feet in height, professional engineering shall be required.

SECTION 63.

100.310 U.B.C. Table 18-1-D amended: Foundations for stud bearing walls. Table 18-1-D of the Uniform Building Code is hereby amended to read as follows:

TABLE NO. 18-1-D FOUNDATIONS FOR STUD BEARING WALLS
MINIMUM REQUIREMENTS ^{1, 2}

| Number of Stories Supported by the Foundations ³ | Minimum Thickness of Foundation Wall (Inches) | | Minimum Width of Footing (Inches) | Minimum Thickness of Footing (Inches) | Minimum Depth of Foundation Below Natural Surface of Ground and Finish Grade (Inches) |
|---|---|--------------|-----------------------------------|---------------------------------------|---|
| | Concrete | Unit Masonry | | | |
| 1 | 8 | 8 | 12 | 8 | 24 |
| 2 | 8 | 8 | 15 | 8 | 24 |
| 3 | 10 | 10 | 18 | 10 | 24 |

NOTE: Multiply by 25.4 for mm conversion.

¹Where unusual conditions or frost conditions are found, footings and foundations shall be as required in Section 1806.1.

²The ground under the floor may be excavated to the elevation of the bottom of the footing.

³Foundations may support a roof in addition to the stipulated number of floors. Foundations supporting roofs only shall be as required for supporting one floor.

SECTION 64.

100.315 U.B.C. Section 1923.10.3 amended: Plain concrete members. Section 1923.10.3 of the Uniform Building Code is hereby amended to read as follows:

1923.10.3 Seismic zone 3. Structural plain concrete members are not permitted in seismic Zone 3 in Washoe County.

SECTION 65.

100.320 U.B.C. Section 2211.7.1.3 amended: Connection strength. Section 2211.7.1.3 of the Uniform Building Code is hereby amended to read as follows:

2211.7.1.3 Connection strength. Connection configurations utilizing welds or high-strength bolts shall demonstrate, by approved cyclic test results or calculations, the ability to sustain inelastic rotation and develop the strength criteria in Section 2211.7.1.1, considering the effect of steel over strength and strain hardening.

SECTION 66.

100.325 U.B.C. Section 2317.7 amended: Foundation ventilation. Section 2317.7 of the Uniform Building Code is hereby amended to read as follows:

2317.7 Underfloor ventilation. Underfloor areas shall be ventilated by an approved mechanical system or by closeable openings in exterior foundation walls as hereafter provided. Foundation ventilation openings shall not be less than 6 inches by 14 inches and so placed not to exceed 25 linear feet of exterior wall. Vents shall be located as close to corners as practicable and shall provide cross-ventilation on at least two approximate opposite sides. The vents shall be covered with corrosion-resistant metal mesh with mesh openings not greater than 1/4 inch dimension.

SECTION 67.

100.330 U.B.C. Section 2322.2 amended: Structural roof sheeting. Section 2322.2 of the Uniform Building Code is hereby amended by adding:

2322.2 Structural roof sheeting. All roofs shall be solidly sheathed with a minimum of 1/2 inch plywood or an approved structural equivalent.

SECTION 68.

100.335 U.B.C. Section 2326.12.9 amended: Roof sheeting. Section 2326.12.9 of the Uniform Building Code is hereby amended by adding:

2326.12.9 Roof sheeting. All roofs shall be solidly sheathed with a 326.12.9 amended minimum of 1/2 inch plywood or an approved structural equivalent.

SECTION 69.

100.340 U.B.C. Section 2326.12.11 amended: Roof truss ties. Section 2326.12.11 of the Uniform Building Code is hereby amended by adding:

2326.12.11 Roof truss ties. Roof trusses shall be fastened to the top plate at all points of bearing by approved truss ties. Nailing shall comply with manufacturer's specifications.

SECTION 70.

100.345 U.B.C. Section 3001 amended: Scope. Section 3001 of the Uniform Building Code is hereby amended to read as follows:

3001 Scope. The provisions of this chapter shall apply to the design, installation, operation, alteration and repair of elevators, dumbwaiters, escalators and moving walks and their hoistways. Additional provisions may be required, regulated and enforced through chapter 618 of the Nevada Revised Statutes and NAC 618.400 - 618.507 by the State of Nevada Department of Business and Industry. When conflicts arise between the provisions of the Uniform Building Code, chapter 30 and NRS chapter 618, the most restrictive shall govern.

SECTION 71.

100.350 U.B.C. Section 3103 amended: Temporary buildings or structures. Section 3103 of the Uniform Building Code is hereby amended by adding:

3103.1 Temporary commercial facilities. Temporary, commercial facilities which comply with the State of Nevada's regulations for a "commercial coach" may be installed on a parcel which conforms to the land use requirements of Washoe County Code chapter 110 for the intended purpose. The period of time is not to exceed 180 days from the date of permit issuance.

Exception: All temporary commercial facilities within the Washoe County portion of the Lake Tahoe Basin must also comply with T.R.P.A.'s code or ordinances for temporary uses.

The installation of the commercial coach must comply with all adopted state regulations as well as all fire, health and land use regulations required by the jurisdiction having authority. All facilities must be in accordance with the provisions of the U.B.C. in regards to building location on the property as well as accessibility to the disabled, as required by chapter 11 of this code.

A set-up permit shall be obtained for all installations of commercial coaches. Set-up fees shall be in accordance with Table 3-A. Additional permits may be required to achieve compliance with adopted Washoe County regulations.

3103.2 Temporary construction facilities. Temporary construction facilities, which are located on site in conjunction with valid building permits and occupied by job site personnel which have connection only to electrical power, may be exempt from the provisions of Section 3103.1.

SECTION 72.

100.355 U.B.C. Section 3303.7.3 amended: Protection of pedestrians during construction or demolition. Section 3303.7.3 of the Uniform Building Code is hereby amended to read as follows:

3303.7.3 Fences. Fences shall be solid and substantially built, be not less than 8 feet (243.8 mm) in height above grade and be placed on the side of the walkway nearest to the building site. Fences shall extend the entire length of the building site and each end shall be returned to the building line.

Openings in such fences shall be protected by doors which normally are kept closed. The doors shall be not less than 3 feet wide and 6 feet in height and shall be hinged on one side. A door shall be provided for each 50 lineal feet of fencing. The doors shall be marked as "FIRE ACCESS PANEL" with a minimum of 2-inch high red letters. All fences shall be provided with 2-inch by 4-inch (51 mm by 102 mm) plate, top and bottom, and shall be well braced. The fence material shall be a minimum of 3/4-inch (19 mm) boards or 1/4-inch (6.4 mm) plywood. Plywood fences shall conform to the following:

1. Plywood panels shall be bonded with an adhesive identical to that for exterior plywood.
2. Plywood 1/4-inch (6.4 mm) or 5/16-inch (12.7 mm) in thickness shall have studs spaced not more than 2 feet (610 mm) on center.
3. Plywood 3/8-inch (9.5 mm) or 1/2-inch (12.7 mm) in thickness shall have studs spaced not more than 4 feet (1219 mm) on center, provided a 2-inch by 4-inch (51 mm by 102 mm) stiffener is placed horizontally at the mid height when the stud spacing exceeds 2 feet (610 mm) on center.
4. Plywood 5/8-inch (15.9 mm) or thicker shall not span over 8 feet (2438 mm).

SECTION 73.

100.360 U.B.C. Section 3404 amended: Moved buildings. Section 3404 of the Uniform Building Code is hereby amended to read as follows:

3404.1 General. Buildings or structures moved into or within the jurisdiction shall comply with the provisions of this code for new buildings or structures. The applicant shall provide a structural investigation report prepared by a registered engineer to verify the structure's adequacy to resist loading to which it may be subjected pursuant to the proposed use.

3404.2 Consent to move. Except as otherwise provided in this section, it is unlawful for any person to move any structure into or within the unincorporated area of Washoe County before obtaining a permit. A permit, if issued, will be considered as, and will be subject to, the same terms and conditions applicable to a regular building permit. This section does not apply to structures with permanently affixed wheels and prefabricated structures, as defined in Chapter 2 of this code.

3404.3 Application - building official. Any person desiring a move and alter permit must file an application with the building official. The applicant must specify the following:

1. The existing location of the structure.
2. The size and character of the structure.
3. The proposed location of the structure route to be followed.

3404.4 Determination - building official. The building official shall review the application, inspect the structure, approve, approve with conditions, or deny the application. Costs of inspection shall be borne by the applicant. The building official shall deny the application for a permit when:

1. The proposed use for the structure is prohibited by zoning laws of this county;
2. The structure is of a type prohibited at the proposed location by any other law or ordinance;
3. The structure is such that it cannot be brought into compliance with existing codes through improvement or modification.

The building official shall not approve an application unless the applicant posts the bond and other guarantees specified in subsection 3404.6.

3404.5 Fees. The fee for a move and alter permit shall be based on:

1. The estimated cost of a new foundation for the structure; and
2. The estimated cost of alteration of the structure to bring it into compliance with existing codes and other laws.

3404.6 Permits, guarantees, conditions. The building official shall not issue a permit until the applicant pro-

vides:

1. A bond or other guarantee acceptable to the building official, and in a form approved by the district attorney, in an amount not less than \$1,000.00. The guarantees must be conditioned so that the person intending to move the structure shall pay for the following damages, costs and expenses:

1.1 Damages that may accrue to the streets, roads or other public rights-of-way of the County of Washoe.

1.2 Damages that may accrue to the property of the County of Washoe or to the property of any person during the moving of a structure.

1.3 Damages, costs and expenses incurred in the necessary removal or changing of any telephone, telegraph, electric light or any other wires used for public convenience in the unincorporated areas of the county; and

1.4 Damages and costs for the removal of any poles in the streets, alleys or sidewalks in the unincorporated areas of the county. The bond or other guarantee must be kept in force until such time as the structure has been moved to the proposed site therefor and the building official has determined that the bond or other guarantee is no longer necessary for the purposes specified above.

2. A bond or other guarantee acceptable to the building official and district attorney, in an amount the building official deems necessary to bring the structure to be moved into full compliance with all codes in effect when the application to move the building or structure was submitted. The bond or other guarantee must be kept in force throughout the term of the move and alter permit. If the permit must be renewed, the building official shall review the work performed on, and the condition of, the structure at the time of renewal and may decrease or increase the bond or other guarantee by such an amount as he deems necessary to accomplish the purpose of this paragraph.

At such time as the holder of the permit has performed all terms and conditions of the permit in a manner acceptable to the building official, the building official shall provide written notice to the principal and surety on the bonds or other guarantees, if any. If the bond or guarantee is in the form of cash, it shall be returned to the depositor, his successors or assigns.

Any portion of a guarantee not required to complete the conditions of a permit issued pursuant to this section shall be returned to the principal or surety.

The county engineer shall designate on the permit the route over which the structure must pass.

3404.7 Default on performance of conditions. If the building official finds that a default has occurred in the performance of any term or condition of the permit, the building official shall give written notice thereof to the

principal and the surety, if any, on the guarantee within 10 days after the determination of default. The requirement for notice is met if written notice is directed by U.S. Mail to the principal at the address given by the principal upon the application for the permit and to the surety or other guarantor at the business address provided by the surety or guarantor. The notice shall specify the work done, the estimated costs thereof and the period of time deemed by the building official to be reasonably necessary for the completion of such work.

If after receipt of the notice the principal or surety fails to perform the required work within the time specified in the notice, the building official may take whatever action is appropriate to insure that the required work is performed and completed. Alternatively, the building official may order the structure demolished and removed if the structure has deteriorated to the point that the cost of alteration thereof has exceeded the bond or guarantee posted to bring the structure into compliance. If the order is not obeyed the building official may cause the structure to be demolished and removed on his own initiative. Costs incurred by the building official pursuant to the provisions of this paragraph are payable from the bond or other guarantee and by the permit holder.

It is unlawful for the owner or his representatives, successors or assigns or any other person, to interfere with or obstruct the ingress or egress to or from any such premises of any authorized representatives or agent of any surety or of the county engaged in the work of completing, demolishing or removing any structure for which a permit has been issued after default has occurred in the performance of the terms or conditions thereof.

3404.8 Notice to public utilities. Upon receiving a permit, the holder or owner thereof shall serve a copy of the permit by registered mail upon the superintendent or local manager of any company or person owning or controlling telegraph, telephone, electric light or other wires running under, over, through or across the roads, streets and other public rights-of-way within the unincorporated area of Washoe County where it will be necessary to raise, cut or interfere with the wires in the moving of any structure, together with a notice as to the time when it will be necessary to interfere with the wires or with the poles holding the wires.

After receiving the notice described in the above paragraph, the company owning or controlling the wires may raise or cut or remove the wires to permit the moving of the structure, and the expense therefor shall be paid by the person moving the structure. If such expense is not so paid, action may be taken upon the bond or other guarantee prescribed in subsection 3404.7.

If the route designated by the county engineer is along or across a federal aid highway or highways controlled by the State of Nevada, the state highway engineer shall be served by the holder or owner of the permit with a copy thereof by registered mail.

If the route designated by the county engineer crosses the right-of-way of any railroad, the local agent of the railroad shall be served with a copy of the permit by registered mail.

3404.9 Prohibition against stopping movement. A structure may not be stopped at any time on any street, road or public right-of-way within the unincorporated area of Washoe County without the written approval of the county engineer.

3404.10 Permits; duration; temporary placement. If a permit is issued, the structure may be temporarily placed on property with M-1 zoning for a period not to exceed 90 days. That time limit may be extended by the building official in cases of hardship or for other good cause shown.

SECTION 74.

100.365 U.B.C. Appendix Chapter 13 - amended: Energy conservation in new building construction. Section 1302.2 of the Uniform Building Code is hereby amended to read as follows:

1302.2 Model energy code adopted. In order to comply with the purpose of this appendix, buildings shall be designed to comply with the requirements of the State of Nevada "Regulations for the Conservation of Energy in New Building Construction." (Nevada Revised Statutes Chapter 532, NAC 523.164 and the 1986 Model Energy Code.)

SECTION 75.

100.370 U.B.C. Appendix Section 3304 amended: Excavating and grading. Section 3304 of the Uniform Building Code is hereby amended to read as follows:

3304 Purpose. The purpose of this chapter is to safeguard life, limb, property and the public welfare by regulating grading on private property and regulating the proper and unobstructed flow of water in natural drainage channels.

SECTION 76.

100.375 U.B.C. Appendix Section 3306.2 amended: Exempted work. Section 3306.2 of the Uniform Building Code is hereby amended by adding:

3306.2 Exempted work. A grading permit is not required for the following:

1. When approved by the building official, grading in an isolated, self-contained area, if there is no danger to private or public property.

2. An excavation below finished grade for basements and footings of a building, retaining wall or other structure authorized by a valid building permit. This shall not exempt any fill made with the material from such excavation or exempt any excavation having an unsupported height greater than 5 feet (1524 mm) after the completion of such structure.

3. Cemetery graves.

4. Refuse disposal sites controlled by other regulations.

5. Excavations for wells or tunnels or utilities.

6. Mining, quarrying, excavating, processing, stockpiling of rock, sand, gravel, aggregate or clay where established and provided for by law, provided such operations do not affect the lateral support or increase the stresses in or pressure upon any adjacent or contiguous property.

7. Exploratory excavations under the direction of soil engineers or engineering geologists.

8. An excavation which (1) is less than 2 feet (610 mm) in depth, or (2) which does not create a cut slope greater than 5 feet (1524 mm) in height and steeper than 1 unit vertical in 1 1/2 units horizontal (66.7% slope).

9. A fill less than 1 foot (305 mm) in depth and placed on natural terrain with a slope flatter than 1 unit vertical in 5 units horizontal (20% slope), or less than 3 feet (914 mm) in depth, not intended to support structures, which does not exceed 50 cubic yards (38.3 m³) on any one lot and does not obstruct a drainage course.

10. No grading permits shall be issued without the express written consent of the board of county commissioners if fill, as defined in this chapter, is to be placed below a high water line in any natural body of water in the unincorporated area of Washoe County. Natural bodies of water shall include, but are not limited to, Lake Tahoe, Washoe Lake and the Truckee River in the unincorporated area of Washoe County. The board of county commissioners may, in its discretion, refuse to consent to the issuance of a grading permit if such fill adversely affects the public health, safety or welfare, or if such fill is not or would not be in the public interest.

11. A building permit or grading permit, or both, or a cumulative series of such permits, which authorizes excavation, grading, earthwork construction, earthen structures and storage of earth, including fills and embankments, and including work otherwise exempted from such permit by subsections 1 to 9, inclusive, may not be issued until the applicant has first obtained a special use permit reviewed by the board of adjustment for such work as required by this section.

11.1 A special use permit reviewed by the board of adjustment is required if:

1. The disturbed area exceeds 25,000 square feet per parcel;
2. More than 1,000 cubic yards of earth will be imported and placed as fill in a flood hazard area or limited flooding area;
3. More than 5,000 cubic yards of earth will be imported and placed as fill; or
4. More than 1,000 cubic yards of earth will be excavated, whether or not the earth will be exported from the property. Excluded is the volume of earth excavated below the building foundation.
5. A permanent earthen structure will be established over 4.5 feet high.

5.1. "Permanent" as applied to earthen structures, means earthen structures;

1. which the plans show will remain at the completion of work; or
2. which will remain indefinitely under separate permit and approvals for purposes of storage until a use is found elsewhere.

5.2. "Temporary" as applied to earthen structures, means earthen structures which the plans show will not remain at the completion of the work.

5.3. Height of earthen structures is measured from the land surface as it existed prior to applying for the permit or from grade shown on plans, whichever is lower.

11.2. Exemptions from special use permit. Exempted from the special use permit requirement of this section is:

1. Earth excavated from a slope greater than 7 percent and retained on the slope immediately adjacent to the excavation, where such excavation is for the foundation of a building.
2. Earthwork performed by the subdivider or developer of an approved subdivision, major project or other projects that have completed a hearing process and review pursuant to which mitigating conditions could have been attached in the same manner as in the special use permit process.

12. Routine maintenance of roadways if the requirements of paragraphs 3306.2.8 and 3306.2.9 are met.

Exemption from the permit requirements of this chapter shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this chapter or any other laws or ordinances of this jurisdiction.

SECTION 77.

100.380 U.B.C. Appendix Section 3307 amended: Hazards.
Appendix Section 3307 is hereby amended to read as follows:

3307 Hazards. Whenever the building official or county engineer determines that any existing excavation, embankment, fill or structure on private property has become a hazard to life and limb, endangers property or adversely affects the safety, use or stability of a public way or drainage channel, the owner of the property upon which the excavation or fill is located, or other person or agent in control of said property, upon receipt of notice in writing from the building official, shall within the period specified therein repair or eliminate such excavation or embankment so as to eliminate the hazard and be in conformance with the requirements of this code.

SECTION 78.

100.385 U.B.C. Appendix Section 3308 amended: Definitions added. Section 3308 of the Uniform Building Code is hereby amended by adding:

DRAINAGE CHANNEL shall mean those natural channels, the centerline of which is indicated on the Truckee Meadows Drainage Map or any other natural channel or drain which is not specifically shown in such drainage map, but which may be shown by surveys, hydrology and hydraulic calculation or by other means to carry natural runoff or drainage waters.

SETBACK shall mean that area within a specific distance from centerline of drainage channels within which area no buildings, fences, earth or rock fills or other construction which would obstruct or interfere with the flow of water in drainage channels will be permitted.

SECTION 79.

100.390 U.B.C. Appendix Section 3309.2 amended: Grading permit requirements. Section 3309.2 of the Uniform Building Code is hereby amended to read as follows:

3309.2 Application. The provisions of Section 106.3.1 and Washoe County Code 100.375 are applicable to grading, excavation and earthwork construction. In addition, the application shall state the estimated quantities of work involved and must state the purpose or project for which the earthwork is to be performed. If the purpose or project requires another permit or approval from any local, state or federal jurisdiction, the grading permit cannot be issued until the other permits and approvals are obtained.

SECTION 80.

100.395 U.B.C. Appendix Section 3309.4 amended: Engineered grading requirements. Section 3309.4 of the Uniform Building Code is hereby amended to read as follows:

3309.4 Engineered grading requirements. An application for a grading permit shall be accompanied by two sets of plans and specifications, and supporting data consisting of a soils engineering report and engineering geology report. The plans and specifications shall be prepared and signed by an individual licensed by the state to prepare such plans or specifications when required by the building official.

Specifications shall contain information covering construction and material requirements.

Plans shall be drawn to scale upon substantial paper or cloth and shall be of sufficient clarity to indicate the nature and extent of the work proposed and show in detail that they will conform to the provisions of this code and all relevant laws, ordinances, rules and regulations. The first sheet of each set of plans shall give the location of the work and the name and address of the owner and the person by whom they were prepared. The plans shall include the following information:

1. General vicinity of the proposed site.
2. Property limits and accurate contours of existing ground and details of terrain and area drainage.
3. Limiting dimensions, elevations or finish contours to be achieved by the grading and proposed drainage channels and related construction.
4. Detailed plans of all surface and subsurface drainage devices, walls, cribbing, dams and other protective devices to be constructed with, or as a part of, the proposed work, together with a map showing the drainage area and the estimated runoff of the area served by any drains.
5. Location of any buildings or structures on the property where the work is to be performed and the location of any buildings or structures on land of adjacent owners which are within 15 feet of the property or which may be affected by the proposed grading operations.

Specifications shall contain information covering construction and material requirements.

6. Computation of runoff and flood flow quantities shall be in accordance with Washoe County Engineering Geology Development Code Section 110.420.

SECTION 81.

100.400 U.B.C. Appendix Section 3309.6 amended: Engineering geology report. Section 3309.6 of the Uniform Building Code is hereby amended to read as follows:

3309.6 Engineering geology report and drainage report. The engineering geology report required by section 3309.4 shall include an adequate description of the geology of the site, conclusions and recommendations regarding the effect of geologic conditions of the proposed development, and opinions and recommendations covering the adequacy of sites to be developed by the proposed grading.

Recommendations included in the report and approved by the building official shall be incorporated in the grading plans or specifications. A drainage report may be required in accordance with Washoe County Development Code section 110.420.

SECTION 82.

100.405 U.B.C. Appendix Section 3309.9 amended: Issuance. Section 3309.9 of the Uniform Building Code is hereby amended to read as follows:

3309.9 Issuance.

1. The provisions of Section 106.4 are applicable to grading permits. The building official may require that grading operations and project designs be modified if delays occur which incur weather generated problems not considered at the time the permit was issued.

2. No permit may be issued to permit illegal work already performed. Illegal work and the site must first be restored to prior condition before a permit can be granted.

3. Permits are automatically revoked or suspended if the other permits or approvals for the work are revoked or suspended.

4. Quality or contamination of earth being moved will not be a factor in approving or denying a permit.

4.1. If, while work is being performed, the permittee or his agents or employees acquire knowledge or reasonable suspicion of contamination or other problems relating to the intended purpose of the earthwork, such persons have a duty to report the condition to the district health department, the building and safety division and to the owner of the property or project.

4.2. If a report is made, no final inspection can be made until the owner of the property certifies that he has knowledge of the condition and until the district health department has certified that the condition satisfies current regulations of the department.

SECTION 83.

100.410 U.B.C. Appendix Section 3311 amended: Bonds. Section 3311 of the Uniform Building Code is hereby amended to read as follows:

3311 Bonds.

1. The building official shall require a bond or other security satisfactory to the county engineer in the amount required by this section to assure that the work, if not completed in accordance with the approved plans and specifications, will be corrected to eliminate hazardous conditions, to assure completion of the work, to assure reclamation for uncompleted or completed work and to assure correc-

tion of illegal or nonconforming work.

2. The amount of the bond shall be the lower of:
 - 2.1. \$750.00 per acre of disturbed area with the amount adjusted each year to match the Consumer Price Index increases or decreases; or
 - 2.2. A reclamation cost estimate approved by the county engineer.
3. The county engineer may use the bond or other security 6 months after cessation of work, whether or not work is completed.
 - 3.1. The county engineer may grant extensions beyond 6 months for nonfinancial inability to continue or complete work or events beyond control of the permittee if:
 - 3.1.1. Due diligence is shown to the county engineer; or
 - 3.1.2. County engineer accepts a schedule for mitigation of impacts in lieu of performing work for the sole purpose of preserving the validity of another permit or development approval.
4. The bond shall be released upon determination by the county engineer of:
 - 4.1. Completion of work;
 - 4.2. Completion of reclamation; or
 - 4.3. Correction of illegal or nonconforming work.

Remaining funds shall be refunded to the permittee.
5. After the bond is spent in whole or in part on reclamation of uncompleted work, a new bond will be required prior to resumption of work.

SECTION 84.

100.415 U.B.C. Appendix Section 3314.5 amended: Setbacks. Section 3314.5 of the Uniform Building Code is hereby amended by adding:

3314.5 Setbacks from drainage channels. In all cases the following minimum setbacks shall be maintained from the centerline of drainage channels and major irrigation ditches:

1. 15 feet from the centerline of incidental drainage channels (drainage area less than 1,000 acres).
2. 25 feet from the centerline of secondary drainage channels (drainage area 1,000 to 5,000 acres).
3. 50 feet from the centerline of major drainage channels (drainage area greater than 5,000 acres).

The setbacks may be modified upon submission of plans for construction of any improvements to drainage channels in question. Improvements shall provide capacity within drainage channels for the free unobstructed passage of the required flood flow quantity as determined under Section 3309 of this chapter as amended.

The building official may require that any such improve-

ment conform to any master plan of drainage as may be presently or hereafter adopted by Washoe County.

SECTION 85.

100.420 U.B.C. Appendix Section 3318.2 amended: Notification of completion. Section 3318.2 of the Uniform Building Code is hereby amended to read as follows:

3318.2 Notification of completion. The permittee or his agent shall notify the building official when the grading operation is ready for final inspection. Final approval shall not be given until all work, including installation of all drainage facilities and their protective devices, and all erosion-control measures have been completed in accordance with the final approved grading plan and the required reports have been submitted.

Notification and inspection is required before the expiration of the permit to determine whether work is completed in accordance with the plan's stated purpose.

No final permit, final inspection or certificate of occupancy may be issued for other structures on the property until the grading permit has received a final inspection to determine that the grading work is complete or, if uncompleted, that reclamation work has been completed.

SECTION 86.

100.425 U.B.C. Appendix Section 3319 amended: Notices of uncompacted or unsuitable fill. Section 3319 of the Uniform Building Code is hereby amended by adding:

SECTION 3319-RECORDATION OF NOTICES OF UNCOMPACTED OR UNSUITABLE FILL.

3319.1 Recordation. On sites where it appears to the building official that grading has been performed without compaction suitable to support structures, the building official may cause to be recorded in the office of the county recorder a notice stating:

"Fill has been placed on parcel. In order to build any structure on this parcel it may be necessary to remove and replace the fill to meet the requirements of Appendix Chapter 33 of the Uniform Building Code.

There may be alternative methods of site preparation in order to permit building on the parcel, but such methods may require a soil engineering report, an engineering geology report and plans and specifications signed by a civil engineer registered by the State of Nevada."

3319.2 Mailing of notice. A copy of the recorded notice shall be mailed to the person designated on the tax assessor's records as the owner of the site.

3319.3 Posting of notice. A copy of the recorded notice shall be posted for 10 days on the site.

3319.4 Revocation of notice. Upon compliance with the compaction requirements of Section 3313 or upon removal of uncompacted and unsuitable materials, the owner of the site may request the building official to record a notice of revocation stating as follows:

"The Notice of Uncompacted Fill previously recorded on _____ (date) at book _____, page _____, in the office of the county recorder is revoked and is of no effect."

3319.5 Recordation of notice of revocation. The building official shall record the notice of revocation if he finds that the uncompacted or unsuitable fill has been removed or compacted in compliance with Sections 3313, 3314, 3315, 3316, 3317 and 3318. A waiver pursuant to Section 3313.1 is not grounds for recording the notice of revocation.

SECTION 87.

100.430 U.M.C. Section 103.1 amended: Scope (Applicability). Section 103.1 of the Uniform Mechanical Code is hereby amended by adding:

103.1 Liquefied petroleum gas. The requirements of the National Fire Protection Association's pamphlets 54 and 58, as adopted by the Nevada Liquefied Petroleum Gas Board, shall apply to the installation and use of all liquefied petroleum gas facilities and equipment.

SECTION 88.

100.435 U.M.C. Section 114.4.1 amended: Expiration and renewal. Section 114.4.1 of the Uniform Mechanical Code is hereby amended to read as follows:

114.4.1 Expiration and renewal. Procedures relating to expiration and renewal shall be the same as adopted by Washoe County Code 100.060.

SECTION 89.

100.440 U.M.C. Section 115.2 amended: Permit fees. Section 115.2 of the Uniform Mechanical Code is hereby amended to read as follows:

115.2 Permit Fees. The fee for each permit shall be as set forth in Table 1-A amended as follows:

TABLE 1-A--MECHANICAL PERMIT FEES

Permit Issuance

| | |
|---|---------|
| 1. For the issuance of each permit | \$18.05 |
| 2. For issuing each supplemental permit for which the original permit has not expired, been canceled or finalized | \$5.42 |

Unit Fee Schedule

(Note: The following do not include permit-issuing fee.)

1. Furnaces

| | |
|--|---------|
| For the installation or relocation of each forced-air or gravity-type furnace or burner, including ducts and vents attached to such appliances, up to and including 100,000 Btu/h (29.3 kW) | \$10.83 |
| For the installation or relocation of each forced-air or gravity-type furnace or burner, including ducts and vents attached to such appliances over 100,000 Btu/h (29.3 kW) | \$13.24 |
| For the installation or relocation of each floor furnace, including vent | \$10.83 |
| For the installation or relocation of each suspended heater, recessed wall heater or floor-mounted unit heater | \$10.83 |

2. Appliance Vents

| | |
|--|--------|
| For installation, relocation or replacement of each appliance vent installed and not included in an appliance permit | \$5.42 |
|--|--------|

3. Repairs or Additions

| | |
|---|---------|
| For the repair of, alteration of, or addition to each heating appliance, refrigeration unit, cooling unit, absorption unit, or each heating, cooling, absorption or evaporative cooling system, including installation of controls regulated by the Uniform Mechanical Code | \$10.83 |
|---|---------|

4. Boilers, Compressors and Absorption Systems

| | |
|---|---------|
| For installation or relocation of each boiler or compressor to and including 3 horsepower (10.60 kW) or for each absorption system to and including 100,000 Btu/h (29.3 kW) | \$10.83 |
| For the installation or relocation of each boiler or compressor over 3 horsepower (10.6 kW) to and including 15 horsepower (52.7 kW), or for each absorption system over 100,000 Btu/h (29.3 kW) to and including 500,000 Btu/h (146.6 kW) | \$19.86 |
| For the installation or relocation of each boiler or compressor over 15 horsepower (52.7 kW) to and including 30 horsepower (105.5 kW), or for each absorption system over 500,000 Btu/h (146.6 kW) to and including 1,000,000 Btu/h (293.1 kW) | \$27.08 |

For the installation or relocation of each boiler or compressor over 30 horsepower (105.5 kW) to and including 50 horsepower (176 kW), or for each absorption system over 1,000,000 Btu/h (293.1 kW) to and including 1,750,000 Btu/h (512.9 kW) \$40.32

For installation or relocation of each boiler or compressor over 50 horsepower (176 kW), or for each absorption system over 1,750,000 Btu/h (512.9 kW) \$67.40

5. Air Handlers

For each air-handling unit to and including 10,000 cubic feet per minute (4720 L/s) including ducts attached thereto \$7.82

NOTE: This fee does not apply to an air-handling unit which is a portion of a factory-assembled appliance, cooling unit, evaporative cooler or absorption unit for which a permit is required elsewhere in the Mechanical Code. For each air-handling unit exceeding 10,000 cfm (4720 L/s) \$13.24

6. Evaporative Coolers

For each evaporative cooler other than portable type \$7.82

7. Ventilation and Exhaust

For each ventilation fan connected to a single duct \$5.42

For each ventilation system which is not a portion of heating or air-conditioning system authorized by a permit \$7.82

For the installation of each hood which is served by mechanical exhaust, including the ducts for such hood \$7.82

8. Incinerators

For the installation or relocation of each domestic-type incinerator \$13.24

For the installation or relocation of each commercial or industrial-type incinerator \$54.16

9. Oil Tanks

For the installation of fuel oil tanks \$24.07

10. Miscellaneous

For each appliance or piece of equipment regulated by the Mechanical Code but not classed in other appliance categories, or for which no other fee is listed in the code \$7.82

When Appendix B, Chapter 13, is applicable (see Section 103) permit fees for fuel-gas piping shall be as follows:

For each gas-piping system of one to four outlets \$3.61

For each gas-piping system, additional outlets over five, each \$.90

When Appendix B, Chapter 14, is applicable (see Section 103), permit fees for process piping shall be as follows:

For each hazardous process piping system (HPP) of one to four outlets \$6.00

| | |
|---|--------|
| For each piping system of five or more outlets, per outlet | \$1.20 |
| For each nonhazardous process piping system (NPP) of one to four outlets | \$2.41 |
| For each piping system of five or more outlets, per outlet | \$.60 |

Other Inspections and Fees

| | |
|---|----------|
| 1. Inspections outside of normal business hours, per hour (Minimum charge--two hours) | \$36.11* |
| 2. Reinspection fees assessed under provisions of Section 116.6, per inspection | \$36.11* |
| 3. Inspections for which no fee is specifically indicated, per hour (Minimum charge--one-half hour) | \$36.11* |
| 4. Additional plan review required by changes, additions, or revisions to plans or to plans for which an initial review has been completed (Minimum charge--one-half hour) | \$36.11* |

*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.

SECTION 90.

100.445 U.M.C. Section 304.6 repealed: Liquefied petroleum gas appliances. Sections 304.6 of the Uniform Mechanical Code (liquefied petroleum gas appliances) is hereby repealed.

SECTION 91.

100.450 U.M.C. Section 304.7 repealed: Liquefied petroleum gas facilities. Section 304.7 of the Uniform Mechanical Code (liquefied petroleum gas facilities) is hereby repealed.

SECTION 92.

100.455 U.M.C. Section 806.6 amended: Vent termination. Section 806.6 of the Uniform Mechanical Code is hereby amended to read as follows:

806.6 Vent Terminals. Venting systems shall terminate not less than 4 feet (1219 mm) below or 4 feet (1219 mm) horizontally from, and not less than 1 foot (305 mm) above a door, an openable window or a gravity air inlet into a building.

Exception: Vent terminals of direct-vent appliances with inputs of 50,000 Btu/h (14.7 kW) or less shall be located at least 9 inches (229 mm) from an opening through which combustion products could enter a building. Appliances with

inputs exceeding 50,000 Btu/h (14.7 kW) but not exceeding 65,000 Btu/h (19 kW) shall require 12-inch (305 mm) vent termination clearances. The bottom of the vent terminal and the air intake shall be located at least 12 inches (305 mm) above grade.

Vent terminals for all appliances located at or above 5300 feet elevation within Washoe County shall be located a minimum of 7 feet above finished grade or as required by Section 806.1.

SECTION 93.

100.460 U.M.C. Section 1401 amended: Oil burning appliances. Section 1401 of the Uniform Mechanical Code is hereby amended by adding:

1401.1 Oil tank installation and venting. The 1992 Edition of the National Fire Protection Association pamphlet No. 31, Chapters 2 and 3, establish, by reference, the installation and venting guidelines for fuel oil tanks connected to oil-burning equipment.

1401.2 Oil vent sizing and configuration. Double swing joints consisting of two 90 degree elbows on vent pipes must be used:

1. Where vent pipes exit tank; and
2. If pipes are installed vertically on walls, islands or similar structures.

Vents must terminate at least 3 feet above finish grade if the elevation of the parcel is below 5,300 feet. Above that elevation, the vent must terminate at least 7 feet above finish grade.

SECTION 94.

100.465 U.M.C. Appendix Section 1315 repealed: Liquefied petroleum gas facilities and piping. Section 1315 of the Uniform Mechanical Code is hereby repealed.

SECTION 95.

100.470 U.M.C. Appendix Tables B13-E and B13-H repealed: Tables B13-E and B13-H of the Uniform Mechanical Code are hereby repealed.

SECTION 96.

100.475 U.P.C. Section 103.3.4. amended: Expiration and renewals. Section 103.3.4 of the Uniform Plumbing Code is hereby amended to read as follows:

103.3.4 Expiration and renewals. Procedures relating to expiration and renewal shall be the same as adopted by

Washoe County Code 100.060.

SECTION 97.

100.480 U.P.C. Section 103.4.1 amended: Permit fees.
Section 103.4.1 of the Uniform Plumbing code is hereby amended to read as follows:

103.4.1 Permit Fees. The fee for each permit shall be as set forth in Table 1-1 as amended.

TABLE 1-1
PLUMBING PERMIT FEES

| | |
|---|----------|
| Permit Issuance | |
| 1. For issuing each permit | \$12.00 |
| 2. For issuing each supplemental permit | \$6.00 |
| <u>Unit Fee Schedule</u> (in addition to items 1 and 2 above) | |
| 1. For each plumbing fixture on one trap or a set of fixtures on one trap (including water drainage piping and backflow protection therefor | \$4.81 |
| 2. For each building sewer and each trailer park sewer | \$12.00 |
| 3. Rainwater systems, per drain (inside building) . . . | \$4.81 |
| 4. For each private sewage disposal system (Health Department Fee Schedules of 6/30/95) | \$225.00 |
| 5. For each water heater and/or vent | \$6.02 |
| 6. For each gas-piping system of one to four outlets . . | \$3.61 |
| 7. For each additional gas piping system outlet, per outlet | \$.90 |
| 8. For each industrial waste pretreatment interceptor including its trap and vent, except kitchen-type grease interceptors functioning as fixture traps . . | \$9.63 |
| 9. For each installation, alteration or repair of water piping and/or water treating equipment, each . | \$2.41 |
| 10. For each repair or alteration of drainage or vent piping, each fixture | \$2.41 |
| 11. For each lawn sprinkler system on any one meter including backflow protection devices therefor . . . | \$7.22 |
| 12. For atmospheric-type vacuum breakers not included in item 11--one to five | \$6.02 |
| Over five, each | \$1.20 |
| 13. For each backflow protective device other than atmospheric-type vacuum breakers: 2" in diameter and smaller | \$6.02 |
| Over 2" in diameter | \$15.00 |
| 14. For each graywater system | \$24.07 |
| <u>Other Inspections and Fees</u> | |
| 1. Inspections outside of normal business hours . . . | \$36.11* |
| 2. Reinspection fee | \$36.11* |

3. Inspection for which no fee is specifically indicated \$36.11*
4. Additional plan review required by changes, additions or revisions to approved plans (minimum charge--one-half hour) \$36.11*

*Per hour for each hour worked or the total hourly cost to the jurisdiction, whichever is greater. This cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of all the employees involved.

SECTION 98.

100.485 U.P.C. Section 411.0 amended: Plumbing fixtures required. Section 411.0 of the Uniform Plumbing Code is hereby amended by adding:

411.0 Plumbing fixtures required. Each building shall be provided with sanitary facilities as prescribed by the local or state department having jurisdiction. In the absence of local requirements, a recommended list of minimum facilities for various occupancies is given in Appendix C of this code.

Floor drains or floor sinks shall be provided in all public restrooms, boiler room areas subject to flooding or adjacent to commercial dishwashing machines, and in all areas where meat or poultry processing is conducted.

SECTION 99.

100.490 U.P.C. Section 603.2.2 amended: General requirements. Section 603.2.2 of the Uniform Plumbing Code is hereby amended to read as follows:

603.2.2 Backflow prevention assembly test. The premise owner or responsible person shall have the backflow prevention assembly tested by a certified backflow assembly tester at the time of installation, repair or relocation and at least on an annual schedule thereafter or more often when required by the water purveyor or utility.

SECTION 100.

100.495 U.P.C. Section 608.6 amended: Pressure relief valves. Section 608.6 of the Uniform Plumbing Code is hereby amended to read as follows:

608.6 Pressure relief valves. Any water heating device connected to a storage tank, whether integral or separate, shall be provided with, in addition to the primary temperature control, an approved combination over-temperature and pressure relief device which is constructed, listed and installed in accordance with nationally recognized and applicable standards for such devices.

SECTION 101.

100.500 U.P.C. Section 609.1 amended: Installation. Section 609.1 of the Uniform Plumbing Code is hereby amended to read as follows:

609.1 Installation. All water piping shall be adequately supported to the satisfaction of the administrative authority. Burred ends shall be reamed to the full bore of the pipe or tube. Changes in direction shall be made by the appropriate use of fittings, except that changes in direction in copper tubing may be made with bends, provided that such bends are made with bending equipment which does not deform or create a loss in the cross-sectional area of the tubing. Provisions shall be made for expansion in hot water piping. All piping, equipment, appurtenances and devices shall be installed in a workmanlike manner in conformity with the provisions and intent of this code. All water service yard piping shall be at least 6 inches (.15 m) below the local frost depth. The minimum depth shall be 30 inches (.75 m).

SECTION 102.

100.505 U.P.C. Section 717.0 amended: Size of building sewer. Section 717.0 of the Uniform Plumbing Code is hereby amended by adding:

717.0 Size of building sewer. The minimum size of any building sewer shall be determined on the basis of the total number of fixture units drained by such sewer, in accordance with Table 7-8, but in no event shall be less than four (4) inches in diameter.

SECTION 103.

100.510 U.P.C. Section 1201.0 amended: General. Section 1201.0 of the Uniform Plumbing Code is hereby amended by adding:

1201.0 General. The regulations of this chapter shall govern the installation of all natural gas piping in or in connection with any building or structure or within the property lines of any premises, other than service pipe.

The requirements of the National Fire Protection Association pamphlet No. 54 and 58, as adopted by the Nevada Liquefied Petroleum Gas Board, apply to the installation and use of liquefied petroleum gas facilities.

SECTION 104.

100.515 U.P.C. Section 1213.0 repealed: Liquefied petroleum gas facilities and piping. Section 1213.0 of the

Uniform Plumbing Code (liquefied petroleum gas facilities and piping) is hereby repealed.

SECTION 105.

100.520 U.P.C. Tables 12-7 and 12-8 repealed: Tables 12-7 and 12-8 of the Uniform Plumbing Code are hereby repealed.

SECTION 106.

100.525 U.S.E.C. Section 20.6 amended: Schedule of fees. Section 20.6 of the Uniform Solar Energy Code is hereby amended to read as follows:

20.6 Schedule of fees. The fee for each permit shall be set forth in the schedule of fees as amended:

SCHEDULE OF FEES

1. For issuing each permit \$3.00
In Addition
2. For Collectors (including related piping and regulating devices)
 - Up to 1000 sq. ft. (93 m²) \$3.00
 - Between 1001 (93.1 m²) and 2000 sq. ft (186 m²) \$5.00
 - More than 2000 sq. ft (186 m²) \$5.00 plus \$1.00 per 1000 sq. ft. (93 m²) or fraction thereof over 2000 sq. ft. (186 m²)
3. For storage tanks (including related piping and regulating devices) up to 750 gallons (3 m³) \$2.00
 - Between 751 (3 m³) and 2000 gallons (8 m³) \$3.00
 - More than 2000 (8 m³) gallons, \$3.00 plus \$1.00 per 1000 (4 m³) or fraction thereof over 2000 gallons (8 m³)
4. For rock storage-
 - Up to 1500 cu. ft. (42 m³) \$2.00
 - Between 1501 (42.1 m³) and 3000 cu. ft. (84 m³) \$3.00
 - More than 3000 cu. ft. (84 m³), \$3.00 plus \$1.00 per 1000 cu. ft. (28 m³) or fraction thereof over 3000 cu. ft. (84 m³)
5. For each appliance or piece of equipment regulated by this code for which no fee is listed \$2.00
6. Plan check fee. Where specific plans are required, a plan check fee shall be charged equal to one-half (1/2) of the total permit fee, excluding the permit issuance fee.

Note: These fees do not include permit fees for any parts of the solar system which are subject to the requirements of other applicable codes.

SECTION 107.

100.530 U.S.P., S.H.T.C. Section 1.11 amended: Fees. Section 1.11 of the Uniform Swimming Pool, Spa and Hot Tub Code is hereby amended to read as follows:

1.11 Schedule of fees. The fee for each permit shall be set forth in the schedule of fees amended.

SCHEDULE OF FEES

- 1. For each swimming pool, spa or hot tub:
 - Public \$30.00
 - Private \$20.00
- 2. Pool filling system including back-flow prevention,
 - each 2 inch diameter and smaller \$7.00
 - Over 2 inch diameter \$15.00
- 3. Water heater and/or vent, each \$7.00
- 4. Gas piping system, each \$5.00
- 5. Replacing of filter \$7.00
- 6. Miscellaneous replacements \$7.00
- 7. Backwash receptor \$7.00

Other Inspections and Fees

- 8. Inspections outside of normal business hours \$36.11*
- 9. Reinspection fee \$36.11*
- 10. Inspections for which no fee is specifically indicated \$36.11*
- 11. Additional plan review required by changes, additions or revisions to approved plans, (minimum charge - one-half hour) \$36.11*

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

SECTION 108.

100.535 National Electrical Code: Adoption; definition:

1. The National Electrical Code. The National Electric Code and the Uniform Administrative Code Provisions for the National Electrical Code, 1993 Edition, a copy of which has been placed on file in the office of the county clerk, together with such changes as are necessary to make the same applicable to conditions in Washoe County and such other changes as are desirable, which changes are contained in sections 100.535 to 100.690, inclusive, are hereby adopted by reference, incorporated herein and made a part hereof, and shall regulate all matters contained therein.

2. As used in sections 100.535 to 100.690, inclusive, "National Electrical Code" means the 1993 Edition of the National Electrical Code adopted by the National Fire Protection Association., the 1993 Edition of the Uniform Admin-

Administrative Code Provisions for the National Electrical Code as adopted by the International Conference of Building Officials.

SECTION 109.

100.540 U.A.C.P. for the N.E.C. Section 203(a) amended: Board of appeals. Section 203(a) of the Uniform Administrative Code Provisions is hereby amended to read as follows:

203(a) Board of appeals. A board of appeals is hereby established under the provisions set forth by Washoe County Code 100.045.

SECTION 110.

100.545 U.A.C.P. for the N.E.C. Section 204 amended: Violation and penalty. Section 204 of the Uniform Administrative Code Provisions is hereby amended by adding:

204(b) Penalty. Any person violating any of the provisions of this code is guilty of a misdemeanor, and each such person is guilty of a separate offense for each day or portion thereof during which any violation of any of the provisions of this code is committed, continued or permitted. Upon conviction of any such violation, such person shall be punished by a fine of not more than \$1000.00 or by imprisonment in the county jail for not more than six months, or by both such fine and imprisonment.

SECTION 111.

100.550 U.A.C.P. for the N.E.C. Section 301(b) amended: Permits. Section 301(b) of the Uniform Administrative Code Provisions is hereby amended by adding:

301(b) Exempted Work. An electrical permit shall not be required for the following:

1. Portable motors or other portable appliances energized by means of a cord or cable having an attachment plug end to be connected to an approved receptacle when that cord or cable is permitted by this code.

2. Repair or replacement of fixed motors, transformers or fixed approved appliances of the same type and rating in the same location.

3. Temporary decorative lighting.

4. Repair or replacement of current-carrying parts of any switch, contactor or control device.

5. Reinstallation of attachment plug receptacles, but not the outlets therefor.

6. Repair or replacement of any overcurrent device of the required capacity in the same location.

7. Repair or replacement of electrodes or transformers of the same size and capacity for signs or gas tube systems.

8. Taping joints.

9. Removal of electrical wiring.

10. Temporary wiring for experimental purposes in suitable experimental laboratories.

11. The wiring for temporary (not to exceed 180 days) theater, motion picture or television stage sets and scenery.

12. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy.

13. Low-energy power, control and signal circuits of Classes II and III as defined in this code.

14. A permit shall not be required for the installation, alteration or repair of electrical wiring, apparatus or equipment or the generation, transmission, distribution or metering of electrical energy or in the operation of signals or the transmission of intelligence by a public or private utility in the exercise of its function as a serving utility.

15. Carnivals and Circuses.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.

SECTION 112.

100.555 U.A.C.P. for the N.E.C. Section 303(d) amended: Permit issuance. Sec. 303(d) of the Uniform Administrative Code Provisions is hereby amended to read as follows:

303(d) Expiration and renewal. Procedures relating to expiration and renewal shall be the same as adopted by Washoe County Code 100.060.

SECTION 113.

100.560 U.A.C.P. for the N.E.C. Section 304(a) amended: Fees. Section 304(a) of the Uniform Administrative Code Provisions is hereby amended to read as follows:

304(a) Permit fees. The fee for each electrical permit shall be as set forth in Table 3-A as amended by Washoe County Code 100.570.

SECTION 114.

100.565 U.A.C.P. for the N.E.C. Section 304(e) amended: Fee refund. Section 304(e) of the Uniform Administrative Code Provisions is hereby amended to read as follows:

304(e) Fee refunds. Procedures relating to permit fee refunds shall be the same as adopted by Washoe County Code 100.080.

SECTION 115.

100.570 U.A.C.P. for the N.E.C. Table 3-A amended: Permit fees. Table 3-A of the Uniform Administrative Code Provisions is hereby amended to read as follows:

TABLE No. 3-A -- ELECTRICAL PERMIT FEES.

Permit Issuance

For issuing each permit \$12.04
For issuing each supplemental permit \$4.50

System Fee Schedule

(Note: the following do not include permit-issuing fee)

New Residential Buildings

The following fees shall include all wiring and electrical equipment in or on each building or other electrical equipment on the same premises constructed at the same time.

For new multifamily residential buildings (apartments and condominiums) having two or more living units not including the area of garages, carports and other noncommercial automobile storage areas constructed at the same time, per square foot \$.024

For new single- and two-family residential buildings not including the area of garages, carports and other minor accessory buildings constructed at the same time, per square foot \$.03

For other types of residential occupancies, garages, minor accessory buildings, alterations, additions and modifications to existing residential buildings, per square foot \$.018

Private Swimming Pools

For new private, residential, in-ground, swimming pools for single-family and multifamily occupancies including a complete system of necessary branch circuit wiring, bonding, grounding, underwater lighting, water pumping and other similar electrical equipment directly related to the operation of swimming pools, each \$12.04

For other types of swimming pools, therapeutic whirlpools, spas and alterations to existing swimming pools, use

944

the UNIT FEE SCHEDULE.

Temporary Power Service

For a temporary service power pole or pedestal including all pole or pedestal-mounted receptacle outlets and appurtenances, each \$12.04

For a temporary distribution system and temporary lighting and receptacle outlets for construction sites, decorative lights, Christmas tree sales lots, fireworks stands, etc., each \$6.02

UNIT FEE SCHEDULE

(Note: the following do not include permit-issuing fee)

Receptacle, Switch and Lighting Outlets

For receptacle, switch, lighting or other outlets at which current is used or controlled, except services, feeders and meters.

First 20, each \$.60
Additional outlets, each \$.36

Note: For multi-outlet assemblies, each 5 feet or fraction thereof may be considered as one outlet.

Lighting Fixtures

For lighting fixtures, sockets or other lamp-holding devices.

First 20, each \$.60
Additional fixtures, each \$.36
For pole or platform-mounted lighting fixtures, each . . . \$.60
For theatrical-type lighting fixtures or assemblies, each . \$.60

Residential Appliance

For fixed residential appliances or receptacle outlets for same, including wall-mounted electric ovens; counter-mounted cooking tops; electric ovens; self-contained room, console, or through-wall air conditioners; space heaters; food waste grinders; dishwashers; washing machines; water heaters; clothes dryers; or other motor-operated appliance not exceeding one horsepower (HP) in rating, each \$2.41

Note: For other types of air conditioners and other motor-driven appliances having larger electrical ratings, see Power Apparatus.

Nonresidential Appliance

For residential appliances and self-contained factory-wired, nonresidential appliances not exceeding one horsepower (HP), kilowatt (KW) or kilovolt-ampere (KVA),

in rating including medical and dental devices; food, beverage and ice cream cabinets; illuminated show cases; drinking fountains; vending machines; laundry machines; or other similar types of equipment, each \$2.41
 Note: For other types of air conditioners and other motor-driven appliances having larger electrical ratings, see Power Apparatus.

Power Apparatus

For motors, generators, transformers, rectifiers, synchronous converters, capacitors, industrial heating, air conditioners and heat pumps, cooking or baking equipment and other apparatus, as follows:

Rating in horsepower (HP), kilowatts (KW), kilovolt-amperes (KVA) or kilovolt-amperes-reactive (KVAR):
 Up to and including 1, each \$2.41
 Over 1 and including 10, each \$6.02
 Over 10 and including 50, each \$12.04
 Over 50 and including 100, each \$24.07
 Over 100, each \$36.11

Note:

1. For equipment or appliances having more than one motor, transformer, heater, etc., the sum of the combined ratings may be used.
2. These fees include all switches, circuit breakers, contactors, thermostats, relays and other directly related control equipment.

Busways

For trolley and plug-in-type busways, each 100 feet or fraction thereof \$3.61
 Note: An additional fee will be required for lighting fixtures, motors and other appliances that are connected to trolley and plug-in-type busways. No fee is required for portable tools.

Signs, Outline Lighting and Marquees

For signs, outline lighting systems or marquees supplied from one branch circuit, each \$12.04
 For additional branch circuits within the same sign, outline lighting system or marquee, each \$2.41

Services

For services of 600 volts or less and not over 200 amperes in rating, each \$15.04
 For services of 600 volts or less and over 200 amperes to 1000 amperes in rating, each \$30.09
 For services over 600 volts or over 1000 amperes in rating, each \$60.18

Miscellaneous Apparatus, Conduits and Conductors

For electrical apparatus, conduits and conductors for which a permit is required but for which no fee is herein set forth \$9.03

Note: This fee is not applicable when a fee is paid for one or more services, outlets, fixtures, appliances, power apparatus, busways, signs or other equipment.

Plan Review Fee 25% of Total
. Electric Fee

Other Inspections and Fees: Per Hour:

- 1. Inspections outside of normal business hours \$36.11*
(minimum charge - two hours)
 - 2. Reinspection fee assessed under provisions of section 305(e) \$36.11*
 - 3. Inspections for which no fee is specifically indicated \$36.11*
(minimum charge - one-half hour)
 - 4. Additional plan review required by changes, additions or revisions to approved plans \$36.11*
- * or the total hourly cost to the jurisdiction, whichever is greater. The cost shall include supervision, overhead, equipment, hourly wages and fringe benefits of the employees involved.

SECTION 116.

100.575 N.E.C. Article 110-14(a) amended: Electrical connections. Article 110-14(a) of the National Electrical Code is hereby amended to read as follows:

110-14(a) Terminals. Connection of conductor to terminal parts shall insure a thoroughly good connection without damaging the conductors and shall be made by means of pressure connectors (including set screw-type), solder lugs, or splices to flexible leads.

Exception: Connection by means of wire binding screws or studs and nuts having upturned lugs or equivalent shall be permitted for No. 10 or smaller conductors.

Terminals for more than one conductor and terminals used to connect aluminum shall be so identified. All aluminum conductors sized 1/0 and larger shall be terminated with an approved compression-type connector.

Exception: Aluminum conductors listed as compact wire.

An oxidation inhibitor shall be used on all aluminum wire connections.

SECTION 117.

100.580 N.E.C. Article 110.14(b) amended: Splices. Article 110.14(b) of the National Electrical Code is hereby amended to read as follows:

110-14(b) Splices. Conductors shall be spliced or joined with splicing devices identified for the use or by brazing, welding, or soldering with a fusible metal or alloy. Soldered splices shall first be so spliced or joined as to be mechanically and electrically secure without solder and then soldered. All splices and joints and the free ends of conductors shall be covered with an insulation equivalent to that of the conductors or with an insulating device identified for the purpose. All aluminum conductors size 1/0 and larger shall be spliced with an approved compression-type splicing device.

Exception: Aluminum conductors listed as compact wire.

An oxidation inhibitor shall be used on all aluminum wire connections.

SECTION 118.

100.585 N.E.C. Article 210-70(d) amended: Lighting outlets required. Article 210-70(d) of the National Electrical Code is hereby amended by adding:

210-70(d) Ground fault circuit interrupter prohibited.

(1) For lighting outlets as required by section 210-70(a) through (c) above, at least one lighting outlet in bathrooms of dwelling units and guest rooms in hotels or similar occupancies shall not be installed on ground fault circuit interrupters.

(2) All required smoke detectors in dwelling units and guest rooms in hotels, motels or similar occupancies shall not be connected to any branch circuit protected by a ground fault circuit interrupter device.

SECTION 119.

100.590 N.E.C. Article 225-8(b) amended: Disconnection. Article 225-8(b) of the National Electrical Code is hereby amended to read as follows:

225-8(b) Disconnect required for each. Where more than one building or other structure is on the same property and under single management, each building or other structure served shall be provided with means for disconnecting all ungrounded conductors.

The disconnecting means shall be installed either inside or outside of a building or structure at a readily accessible location nearest the point of entrance of the supply conductors.

Branch circuit and feeders serving a detached structure located more than 30 feet from the service disconnecting means shall comply with Article 230-70(a).

Disconnects shall be installed in accordance with the requirements of Sections 230-71 and 230-72.

Exception No. 1: For large capacity multi-building industrial installations under single management, where it is assured that the disconnecting can be accomplished by establishing and maintaining safe switching procedures, the disconnecting means shall be permitted to be located elsewhere on the premises.

Exception No. 2: Buildings or other structures qualifying under the provisions of Article 685.

Exception No. 3: A single, 20 amp, branch circuit device serving a residential detached garage or storage shed may serve as the disconnecting means. This disconnect must be located in the main service and not more than 30 feet from the structure it serves.

SECTION 120.

100.595 N.E.C. Article 230-70(a) amended: Service equipment/disconnecting means. Article 230-70 (a) of the National Electrical Code is hereby amended to read as follows:

230-70(a) Location. The service disconnecting means shall be installed outside of a building or other structure at a readily accessible location nearest the point of entrance of the service conductors. The service disconnecting means shall be located not more than 30 feet from the building or structure it serves. Installation of the disconnecting means shall not be more than 6 feet above finish grade or front access level to the top of the operating handle.

The feeder or supply conductors to a building or other structure, other than a detached Group U occupancy, when located more than 30 feet from the service disconnecting means, shall have an exterior disconnect placed at a point readily accessible nearest the point of entrance of the feeder conductor installed not more than 6 feet above finish grade or front access level to the top of the operating handle.

Exception: The service disconnecting means may be installed within a building when an external, remote shunt trip switch is provided. All shunt trip switches shall be located a minimum of 7 feet above finish grade at a location approved by the fire department. All shunt trip switches shall be located within a 12-inch equilateral triangle, red in color.

SECTION 121.

100.600 N.E.C. Article 230-79(c) amended: Rating of disconnect. Article 230-79(c) of the National Electrical Code is hereby amended to read as follows:

230-79(c) Dwelling units. For all dwelling units, the service disconnecting means shall have a rating of not less

than 100 amperes, 3-wire under either of the following conditions: (1) where the initial computed load is 10 KVA or more, or (2) where the initial installation consists of six or more 2-wire branch circuits.

SECTION 122.

100.605 N.E.C. Article 240-51(c) amended: Edison base fuses. Article 240-51(c) of the National Electrical Code is hereby amended by adding:

240-51(c) Alterations or additions. In any existing building where alterations or additions are made to any of the premises wiring, all fuse holders shall comply with Section 240-54.

SECTION 123.

100.610 N.E.C. Article 250-71(b) amended: Service equipment bonding. Article 250-71(b) of the National Electrical Code is hereby amended to read as follows:

250-71(b) Bonding to other systems. An accessible means external to enclosures for connecting intersystem bonding and grounding conductors shall be provided at the service by at least one of the following means:

- (1) Exposed metallic service raceways.
- (2) Exposed grounding electrode conductor.
- (3) Approved means for the external connection of a copper or other corrosion-resistant bonding or grounding conductor to the service raceway or equipment.
- (4) A number 10 copper conductor with one end connected to the grounding conductor at the service with 6 inches or more extending outside the service equipment.

For the purposes of providing an accessible means for intersystem bonding, the disconnecting means at a separate building or structure as permitted in Section 250-24 and the disconnecting means at a mobile home as permitted in Section 550-23(a), Exception No. 1, shall be considered the service equipment.

(FPN No. 1): A No. 6 or a No. 10 copper conductor with one end bonded to the service raceway or equipment and with 6 inches (152 mm) or more of the other end made accessible on the outside wall is an example of the approved means covered in (b) (3), (4) respectively.

(FPN No. 2) See Sections 800-40 and 820-40 for bonding and grounding requirements for communications and CATV circuits.

SECTION 124.

100.615 N.E.C. Article 250-75 amended: Bonding and other enclosures. Article 250-75 of the National Electrical Code

is hereby amended to read as follows:

250-75 Bonding other enclosures. Metal raceways, cable trays, cable armor, cable sheath, enclosures, frames, fittings, and other metal noncurrent-carrying parts that are to serve as grounding conductors with or without the use of supplementary equipment grounding conductors shall be effectively bonded where necessary to assure electrical continuity and the capacity to conduct safely any fault current likely to be imposed on them. Any nonconductive paint, enamel, or similar coating shall be removed at threads, contact points, and contact surfaces or be connected by means of fittings so designed as to make such removal unnecessary.

Exception: Where required for the reduction of electrical noise (electromagnetic interference) on the grounding circuit, an equipment enclosure supplied by a branch circuit shall be permitted to be isolated from a raceway containing circuits supplying only that equipment by one or more listed nonmetallic raceway fittings located at the point of attachment of the raceway to the equipment enclosure. The metal raceway shall comply with provisions of this article and shall be supplemented by an internal insulated equipment grounding conductor installed in accordance with Section 250-74, Exception No. 4, to ground the equipment enclosure.

All exterior raceways shall be effectively bonded with a wire conductor. The bonding conductor shall be connected to all junction, switch, outlet boxes and any other boxes, panel boards, and other devices that the branch circuit or feeder circuit serves. All bonding and or grounding conductors are to be run with and in the same conduit as the circuit conductors.

(FPN): Use of an isolated equipment grounding conductor does not relieve the requirement for grounding the raceway system.

SECTION 125.

100.620 N.E.C. Article 250-81 amended: Grounding electrode system. Article 250-81 of the National Electrical Code is hereby amended to read as follows:

250-81. Grounding electrode system. If available on the premises at each building or structure served, each item (a) through (d) below, and any made electrodes in accordance with Sections 250-83(c) and (d), shall be bonded together to form the grounding electrode system. Interior metal water piping located more than 5 feet (152 cm) from the point of entrance to the building shall not be used as a conductor to interconnect the electrodes and the grounding electrode conductor. The bonding jumper shall be installed in accordance with Section 250-92(a) and (b), shall be sized in accordance with Section 250-94, and shall be connected in

the manner specified in Section 250-115. The unspliced grounding electrode shall be permitted to run to any convenient grounding electrode available in the grounding electrode system. It shall be sized for the largest grounding electrode conductor required among all the available electrodes.

Concrete-encased electrodes shall be installed in all new construction and sized not smaller than No. 4 and per Table 250-94 as amended.

Exception No. 1: It shall be permitted to splice the grounding electrode conductor by means of irreversible compression-type connectors listed for the purpose or the exothermic welding process.

Exception No. 2: Interior metal water piping located more than 5 feet (152 cm) from the point of entrance to the building may be used in industrial and commercial buildings where conditions of maintenance and supervision ensure that only qualified persons will service the installation and the entire length of the interior metal water pipe that is being used for the conductor is exposed.

(FPN): See Section 547-8 for special grounding and bonding requirements for agricultural buildings.

SECTION 126.

100.625 N.E.C. Article 250 81(c) amended: Concrete-encased electrode. Article 250-81(c) of the National Electrical Code is hereby amended to read as follows:

250-81(c) Concrete encased electrode. A concrete encased electrode shall be installed within and near the bottom of a concrete exterior foundation or footing that is in direct contact with the earth, encased by at least 2 inches of concrete, consisting of a bare copper conductor sized per Table 250-94, as amended, but in no case less than a size No. 4, installed with a minimum distance of 20 feet in the foundation/footing.

SECTION 127.

100.630 N.E.C. Article 250-91(a) amended: Grounding conductor material. Article 250-91(a) of the National Electrical Code is hereby amended to read as follows:

250-91(a) Grounding electrode conductor. The grounding electrode conductor shall be of copper only, except in an approved cable assembly. The material selected shall be resistant to any corrosive condition existing at the installation or shall be suitably protected against corrosion. The conductor shall be solid or stranded, insulated, covered, or bare and shall be installed in one continuous length without a splice or joint.

Exception No. 1: Splices in busbars shall be permitted.

Exception No. 2: Where a service consists of more than a single enclosure as permitted in Section 230-40, Exception No. 2, it shall be permissible to connect taps to the grounding electrode conductor. Each such tap conductor shall extend to the inside of each such enclosure. The grounding electrode conductor shall be sized in accordance with Section 250-94, but the tap conductors shall be permitted to be sized in accordance with the grounding electrode conductors specified in Section 250-94 for the largest conductor serving the respective enclosures. The tap conductors shall be connected to the grounding electrode conductor in such a manner that the grounding electrode conductor remains without a splice or joint.

Exception No. 3: It shall be permitted to splice the grounding electrode conductor by means of irreversible compression-type connectors listed for the purpose or the exothermic welding process.

SECTION 128.

100.635 N.E.C. Article 250-91(b) amended: Types of equipment grounding conductors. Article 259-91(b) of the National Electric Code is hereby amended to read as follows:

250-91(b) Types of equipment grounding conductors. The equipment grounding conductor run with or enclosing the circuit conductors shall be one or more or a combination of the following: (1) a copper or other corrosion-resistant conductor. This conductor shall be solid or stranded; insulated, covered, or bare; and in the form of a wire or a busbar of any shape; (2) rigid metal conduit; (3) intermediate metal conduit; (4) electrical metallic tubing; (5) all flexible metal conduit systems including Type AC cable shall have a copper ground wire installed with the circuit conductors sized per Table 250-95 as amended; (6) the copper sheath of mineral-insulated, metal-sheathed cable; (7) the metallic sheath or the combined metallic sheath and grounding conductors of Type MC cable; (8) cable trays as permitted in Sections 318-3(c) and 318-7; (9) cablebus framework as permitted in Section 365-2(a); (10) other electrically continuous metal raceways listed for grounding.

Exception No. 1: For direct-current circuits only, the equipment grounding conductor shall be permitted to be run separately from the circuit conductors.

SECTION 129.

100.640 N.E.C. Article 250-94 amended: Size of alternating-current grounding electrode conductor. Article 250-94 of the National Electrical Code is hereby amended to read as follows:

250-94 Size of alternating-current grounding electrode conductor. The size of the grounding electrode conductor of a grounded or ungrounded ac system shall not be less than that given in Table 250-94.

TABLE 250-94

GROUNDING ELECTRODE CONDUCTOR FOR AC SYSTEMS

| Size of Largest Service-Entrance Conductor or Equivalent Area for Parallel Conductors | | Size of Grounding Electrode Conductor |
|---|-----------------------------------|---------------------------------------|
| Copper | Aluminum or Copper-Clad Conductor | Copper |
| 2 or smaller | 1/0 or smaller | 4 |
| 1 or 1/0 | 2/0 or 3/0 | 4 |
| 2/0 or 3/0 | 4/0 or 250 kcmil | 4 |
| Over 3/0 thru 350 kcmil | Over 250 kcmil thru 500 kcmil | 2 |
| Over 350 kcmil thru 600 kcmil | Over 500 kcmil thru 900 kcmil | 1/0 |
| Over 600 kcmil thru 100 kcmil | Over 900 kcmil thru 1750 kcmil | 2/0 |
| Over 1100 kcmil | Over 1750 kcmil | 3/0 |

Where multiple sets of service-entrance conductors are used as permitted in Section 230-40, Exception 2, the equivalent size of the largest service-entrance conductor shall be determined by the largest sum of the areas of the corresponding conductors of each set.

Where there are no service-entrance conductors, the grounding electrode conductor size shall be determined by the equivalent size of the largest service-entrance conductor required for the load to be served.

(FPN): See Section 250-23(b) for size of alternating-current grounded conductor brought to service equipment.

SECTION 130.

100.645 N.E.C. Article 250-95 amended: Size of equipment grounding conductors. Article 250-95 of the National Electrical Code is hereby amended to read as follows:

250-95 Size of equipment grounding conductors. Copper equipment grounding conductors shall not be less than that shown in Table 250-95 as amended.

Where conductors are run in parallel in multiple raceways or cables, as permitted in Section 310-4, the equipment grounding conductor, where used, shall be run in parallel. Each parallel equipment grounding conductor shall be sized on the basis of the ampere rating of the overcurrent device protecting the circuit conductors in the raceway in accordance with Table 250-95 as amended.

When conductors are adjusted in size to compensate for voltage drop, equipment grounding conductors, where required, shall be adjusted proportionately according to circular mil area.

Where a single equipment grounding conductor is run with multiple circuits in the same raceway, it shall be sized for the largest overcurrent device protecting conductors in the raceway or cable.

Where the overcurrent device consists of an instantaneous trip circuit breaker or a motor short circuit protector, as allowed in Section 430-52, the equipment grounding conductor size shall be permitted to be based on the rating of the motor overload protective device but not less than the size shown in Table 250-95.

Exception No. 1. An equipment grounding conductor not smaller than No. 18 copper may be used provided that it is not smaller than the circuit conductors and is part of the fixture wires or cords in accordance with Section 240-4.

Exception No. 2. The equipment grounding conductor shall not be required to be larger than the circuit conductors supplying the equipment.

Exception No. 3. Where a raceway or a cable armor or sheath is used as the equipment grounding conductor, as provided in Sections 250-51, 250-57(a), 250-73, and 250-91(b), then the requirements of Table 250-95 do not apply.

TABLE 250-95

MINIMUM SIZE EQUIPMENT GROUNDING CONDUCTORS FOR
GROUNDING RACEWAY AND EQUIPMENT

| Rating or Setting of Automatic Overcurrent Device in Circuit Ahead of Equipment, Conduit, etc..., Not Exceeding (Amperes) | Size Copper Wire No. |
|---|-----------------------------|
| 15 | 14 |
| 20 | 12 |
| 30 | 10 |
| 40 | 10 |
| 60 | 10 |
| 100 | 8 |
| 200 | 6 |
| 300 | 4 |
| 400 | 3 |
| 500 | 2 |
| 600 | 1 |
| 800 | 1/0 |
| 1000 | 2/0 |
| 1200 | 3/0 |
| 1600 | 4/0 |
| 2000 | 250 kcmil |
| 2500 | 350 kcmil |
| 3000 | 400 kcmil |
| 4000 | 500 kcmil |
| 5000 | 700 kcmil |
| 6000 | 800 kcmil |

SECTION 131.

100.650 N.E.C. Article 250-112 amended: Grounding conductor connections. Article 250-112 of the National Electrical Code is hereby amended to read as follows:

250-112. To grounding electrode. The connection of a grounding electrode conductor to a grounding electrode shall be accessible and made in a manner that will assure a permanent and effective ground. When split bolt type connectors are used, there shall be two installed to make the connection. Where necessary to assure this for a metal piping system used as a grounding electrode, effective bonding

shall be provided around insulated joints and sections and around any equipment that is likely to be disconnected for repairs or replacement. Bonding conductors shall be of sufficient length to permit removal of such equipment while retaining the integrity of the bond.

SECTION 132.

100.655 N.E.C. Article 305-6 amended: Ground-fault protection for personnel. Article 305-6 of the National Electrical Code is hereby amended to read as follows:

305-6 Ground-fault protection for personnel. All 125-volt, single-phase 15 and 20 ampere receptacle outlets used by employees on construction sites shall have ground-fault circuit interrupter protection for personnel.

SECTION 133.

100.660 N.E.C. Article 331-4 amended: Electrical nonmetallic tubing; uses not permitted. Article 331-4 of the National Electrical Code is hereby amended to read as follows:

331-4 Uses not permitted. Electrical nonmetallic tubing shall not be used:

- (1) In hazardous (classified) locations.
Exception: Except as permitted by Section 504-20.
- (2) For the support of fixtures and other equipment.
- (3) Where subject to ambient temperatures exceeding those for which the tubing is listing.
- (4) For conductors whose insulation temperature limitations would exceed those for which the tubing is listed.
- (5) For direct earth burial.
- (6) Where the voltage is over 600 volts.
- (7) In exposed locations, except as permitted by Sections 331-3(1), 331-3(5) and 331-3(7).
- (8) In theaters and similar locations, except as provided in Articles 518 and 520.
- (9) In Type I and Type II buildings as defined in the Uniform Building Code.

SECTION 134.

100.665 N.E.C. Article 333 repealed: Armored cable. Article 333 of the National Electrical Code is hereby repealed.

SECTION 135.

100.670 N.E.C. Article 336-3 amended: Nonmetallic-sheathed cable. Article 336-3 of the National Electrical Code is hereby amended to read as follows:

336-3. Uses permitted. Type NM and Type NMC cables shall be permitted to be used in one- and two-family dwellings, multifamily dwellings and other structures defined in the Uniform Building Code as Group U occupancy and occupied as accessory to a dwelling unit.

Conversion of existing dwellings to other occupancies may be made with the existing type NM or Type NMC cables with the approval of the building official, provided the proposed occupancy is not included in Article 336-4 (Items No. 2 - No. 10) Uses Not Permitted for either Type NM or Type NMC, and the existing wiring is not in a deteriorating or hazardous condition.

FPN): See Section 310-10 for temperature limitation of conductors.

(a) Type NM. Type NM cable shall be permitted for both exposed and concealed work in normally dry locations. It shall be permissible to install or fish Type NM cable in air voids in masonry block or in tile walls where such walls are not exposed or subject to excessive moisture or dampness.

(b) Type NMC. Type NMC cable shall be permitted (1) for both exposed and concealed work in dry, moist, damp, or corrosive locations; (2) in outside and inside walls of masonry block or tile; (3) in shallow chase in masonry, concrete, or adobe protected against nails or screws by a steel plate at least 1/16 inch (1.59 mm) thick and covered with plaster, adobe, or similar finish.

SECTION 136.

100.675 N.E.C. Article 336-4 amended: Uses not permitted. Article 336-4 of the National Electrical Code is hereby amended to read as follows:

336-4 Uses not permitted.

(a) Type NM or NMC. Types NM and NMC cables shall not be used (1) in any commercial occupancy except as provided in Article 336-3; (2) in any dwelling or structure exceeding three floors above grade; (3) as service entrance cable; (4) in commercial garages having hazardous (classified) locations as provided in section 511-3; (5) in theaters and similar locations as provided in Article 518, Places of Assembly; (6) in motion picture studios; (7) in storage battery rooms; (8) in hoistways; (9) embedded in poured cement, concrete, or aggregate; or (10) in any hazardous (classified) location except as permitted by Sections 501-4(b), Exception and 504-20. For the purpose of this article, the first floor of a building shall be that floor that has 50 percent or more of the exterior wall surface area level with or above finish grade. One additional level that is the first level and not designed for human habitation and used only for vehicle parking, storage, or similar use shall be permitted.

(b) Type NM. Type NM cable shall not be installed (1) where exposed to corrosive fumes or vapors; (2) where embedded in masonry, concrete, or adobe, fill or plaster; (3) in a shallow chase in masonry, concrete or adobe and covered with plaster, adobe, or similar finish.

SECTION 137.

100.680 N.E.C. Article 347-3 amended: Rigid nonmetallic conduit uses not permitted. Article 347-3 of the National Electrical Code is hereby amended to read as follows:

347-3 Uses not permitted. Rigid nonmetallic conduit shall not be used:

(a) Hazardous (classified) locations. In hazardous (classified) locations, except as covered in Sections 503-3(a), 504-20, 514-8, and 515-5; and in Class I, Division 2 locations as permitted in the exception to Section 501-4(b).

(b) Support of fixtures. For the support of fixtures or other equipment.

Exception: Rigid nonmetallic conduit shall be permitted to support nonmetallic conduit bodies no larger than the largest trade size of an entering raceway. The conduit bodies shall not contain devices or support fixtures.

(c) Physical damage. Where subject to physical damage unless identified for such use.

(d) Ambient temperatures. Where subject to ambient temperatures exceeding those for which the conduit is approved.

(e) Insulation temperature limitations. For conductors whose insulation temperature limitations would exceed those for which the conduit is approved.

(f) Theaters and similar locations. In theaters and similar locations, except as provided in Articles 518 and 520.

(g) In Type I and Type II buildings. In Type I and Type II buildings as defined in the Uniform Building Code.

SECTION 138.

100.685 N.E.C. Article 350-5 amended: Flexible metal conduit grounding. Article 350-5 of the National Electrical Code is hereby amended to read as follows:

350-5 Grounding. Flexible metal conduit shall not be permitted to be used as a grounding means, see Section 250-91(b) as amended. Where an equipment bonding jumper is required around flexible metal conduit, it shall be installed in accordance with Section 250-79.

Exception: Where used to connect equipment where flexibility is required, an equipment grounding conductor shall be installed.

SECTION 139.

100.690 N.E.C. Article 370-17(c) amended: Conductors entering boxes, conduit bodies, or fittings, nonmetallic boxes. Article 370-17(c) of the National Electrical Code is hereby amended to read as follows:

370-17(c) Nonmetallic boxes. Nonmetallic boxes shall be suitable for the lowest temperature rated conductor entering the box. Where nonmetallic boxes are used with open wiring or concealed knob and tubing wiring, the conductors shall enter the box through individual holes. Where flexible tubing is used to encase the conductors, the tubing shall extend from the last insulating support to no less than 1/4 inch (6.35 mm) inside the box. Where nonmetallic-sheathed cable is used, the cable assembly, including the sheath, shall extend into the box no less than 1/4 inch (6.35 mm) through a nonmetallic-sheathed cable knockout opening. In all instances, all permitted wiring methods shall be secured to the boxes.

Exception: Where nonmetallic-sheathed cable is mounted in walls and where the cable is fastened within 8 inches (203 mm) of the box measured along the sheath and where the sheath extends into the box no less than 1/4 inch (6.35 mm), securing the cable to the box shall not be required. Multiple cable entries shall be permitted in a single knockout opening.

(100.695 through 100.795 reserved.)

SECTION 140.

100.800 Regulations regarding address numbers of residential and commercial buildings.

1. Requirement for affixing address numbers. Not later than May 4, 1976, every property owner of every residential dwelling, including, but not limited to, private residences, apartment units, condominium units and mobile homes, and of every commercial building located within the unincorporated area of Washoe County which does not have address numbers complying with the provisions of paragraphs 1 and 2 of this section affixed thereto shall apply for and receive from the building and safety division of the department of public works an assigned address number for such residential dwelling or commercial building.

2. Size, posting of address numbers.

(a) After being assigned an address number for a residential dwelling or commercial building, the property owner shall cause the address to be posted on such structure by means of Arabic numerals not less than 4 inches in height. Such numerals shall be posted to the immediate left of the front door of a residential dwelling if such location is not visible from the street.

SECTION 141.

Sections 100.010 through 100.510 of the Washoe County code are hereby repealed.

SECTION 142.

All sections relating to fees and other costs, including sections 15, 89, 97, 106, 107 and 115, shall take effect on the earliest date allowed by law. All other sections shall take effect on February 1, 1996.

Proposed on the 12th day of December, 199~~7~~⁵.
Proposed by Commissioners Joanne Bond.
Passed on the 9th day of January, 1996.

Vote:

Ayes: Commissioners: Steve Bradhurst, Joanne Bond
Mike Mouliot, Jim Shaw
Grant Sims

Nays: Commissioners: No nays

Absent: Commissioners: None



Chairman
Washoe County Commission

ATTEST:



County Clerk

This ordinance shall be in force and effect from and after the 26th day of January, 1996.