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PROOF OF PUBLICATION

PLEASE STAMP & SIGN FOR PAYMENT

STATE OF NEVADA  
COUNTY OF WASHOE

ss. Tana Ciccotti

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

Ordinance 1081

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:

Dec. 16, 30, 1999

Signed Tana Ciccotti

Subscribed and sworn to before me this

Dec. 30, 1999

Susan V. Dummar  
Notary Public

NOTICE OF ADOPTION  
WASHOE COUNTY ORDINANCE  
NO. 1081

NOTICE IS HEREBY GIVEN THAT: Bill No. 1257 Ordinance No. 1081 entitled

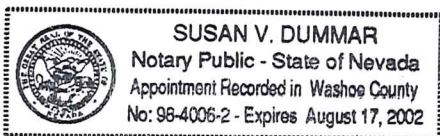
AN ORDINANCE AMENDING THE WASHOE COUNTY CODE BY REPEALING PROVISIONS RELATING TO BUILDINGS AND CONSTRUCTION AND ADDING UNIFORM CODES WITH CERTAIN CHANGES, ADDITIONS AND DELETIONS, RELATING TO BUILDING AND CONSTRUCTION.

was adopted on November 16, 1999, by Commissioners Joanne Bond, Jim Galloway, Pete Sterrizza, Jim Shaw, and Ted Short and will become effective on Saturday, January 1, 2000.

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.

AMY HARVEY,  
Washoe County Clerk

No.4776 Dec.16,30, 1999



s/s  
JAN 04 2000

1081



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

BILL NO. 1257

ORDINANCE NO. 1081

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. Sections 100.010 through 100.800 of the Washoe County Code are hereby repealed.

SECTION 2. Chapter 100 of the Washoe County Code is hereby amended by adding thereto the provisions set forth in sections 3 through 147 inclusive of this ordinance.

SECTION 3.

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. 1997 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 IV, Chapter 18, Chapter 23, Chapter 31, Division III, and Chapter 33 as amended.

2. 1997 Edition, Uniform Plumbing Code and IAPMO Installation Standards and Appendices A, B, C, D, E, F, G, H, J.

3. 1997 Edition, Uniform Mechanical Code and Appendices A, B, C and D.

4. 1997 Edition, Uniform Code for the Abatement of Dangerous Buildings.

5. 1997 Edition, Uniform Solar Energy Code.

6. 1997 Edition, Uniform Swimming Pool, Spa and Hot Tub Code.

7. 1996 Edition, National Electrical Code and Uniform Administrative Code Provisions amended.

8. Regulations Regarding Address Numbers of Residential and Commercial Buildings.

SECTION 4.

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 for the N.E.C.
12. "TRPA" shall mean Tahoe Regional Planning Agency.

#### SECTION 5.

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 6.

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 7.

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 8.

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 9.

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 expira-

tion 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 nonadministrative 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 \$50 must be paid upon filing an appeal.

SECTION 10.

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 or repair of less than 100 linear feet.
2. Oil derricks.
3. Movable 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 and does not create land coverage as defined by TRPA.
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 1 and 3, and Group U occupancies when projecting not more than 30 inches. In the Incline Village area, if not visible from a TRPA defined scenic corridor.
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. In the Incline Village area, if the pool does not create land coverage as defined by TRPA.

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. Siding applied over existing siding.

13. One-story detached accessory buildings used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11.15 m<sup>2</sup>) and is located within the setbacks as defined in chapter 110 of the Washoe County Code. In the Incline Village area, if the pool does not create land coverage as defined by TRPA.

14. Re-roof repair less than 100 square feet or if under one year warranty.

15. Door and window replacement where there is no change in opening size and location.

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 11.

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. A site and drainage plan shall be submitted for grading projects disturbing more than thirty percent (30%) of the site and for all parcels within an approved subdivision and for individual grading and drainage plans requiring a building permit.

The following minimum information shall be shown on both the site and drainage plan and the approved construction drawings:

Plans must show all finish grade elevations, high point locations, and drainage swale locations with a minimum slope of one percent (1%) on the swale, and natural drainage ways, and drainage easements (on site and immediately off site) as needed to verify the proposed drainage system.

A design professional may be required for all individual site and drainage plans for which a permit is required, if the site and drainage plans are incomplete, or due to the complexity of the project, or if the project has hazards as defined by section 100.380, or as required by the county engineer or the county building official.

SECTION 12.

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.

SECTION 13.

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 shall apply for a renewal within six months of the expiration date of the original permit. Renewal of the building permit shall be charged at one-half of the original permit fees. Parks tax, Regional Transportation commission fee and plan check fee shall not be charged for the renewal, provided that no changes have been made to the project. A renewal shall extend the permit for 18 months from the date of expiration of the original permit.

If the permit has not been renewed within six months, the permit shall become non-renewable. The applicant shall apply for a replacement permit and pay full fees as required by the code in effect at that time. Parks tax and Regional Transportation Commission fees will not be charged for the permit provided no changes have been made to the project.



A building permit may be renewed an unlimited number of times.

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 30-day extension at no cost. If work under this extension is not completed within the 30 days, a renewal of the original permit or a new permit will be required under the code provisions of this section.

#### SECTION 14.

100.062 U.B.C. 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 15.

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 16.

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	\$19.86
\$501.00 to \$2,000.00	\$19.86 for the first \$500.00 plus \$2.64 for each additional \$1,000.00, or fraction thereof, to and including \$2,000.00.
\$2,001.00 to \$25,000.00	\$59.57 for the first \$2,000.00 plus \$11.92 for each additional \$1,000, or fraction thereof, to and including \$25,000.00.
\$25,001 to \$50,000.00	\$333.57 for the first \$25,000.00 plus \$8.62 for each additional \$1,000.00, or fraction thereof, to and including \$50,000.00.
\$50,001.00 to \$100,000.00	\$548.67 for the first \$50,000.00 plus \$5.95 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00.
\$100,001.00 to \$500,000.00	\$846.50 for the first \$100,000.00 plus \$4.63 for each additional \$1,000.00 or fraction thereof, to and including \$500,000.00.
\$500,001.00 to \$1,000,000.00	\$2,699.67 for the first \$500,000.00 plus \$3.98 for each additional \$1,000.00 or fraction thereof, to and including \$1,000,000.00.
\$1,000,001.00 and up	\$4,685.22 for the first \$1,000,000.00 plus \$2.64 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). . . . . \$39.72 per hour\*
- 2. Reinspection fees assessed under provisions of Section 108.8. . . . . \$39.72 per hour\*
- 3. Inspections for which no fee is specifically indicated (minimum charge--one-half hour). . . . . \$39.72 per hour\*
- 4. Additional plan review required by changes, additions or revisions to plans (minimum charge--one-half hour). . . . . \$39.72 per hour\*
- 5. For use of outside consultants for plan checking and inspection, or both . . . . . Actual Costs\*\*
- 6. Fence. . . . . \$26.48
- 7. Walls, masonry (retaining or fence). . . . . \$26.48
- 8. Deck (each) (except when constructed with new dwelling). . . . . \$26.48
- 9. Detached accessory buildings (metal or wood) under 200 sq. ft. (barns, garages, sheds, storage buildings) . . . . . \$26.48
- 10. Carport, patio cover, awning, screenroom (wood or metal) . . . . . \$26.48
- 11. Wood stove (and inserts). . . . . \$26.48
- 12. Re-roof for single-family dwellings . . . . . \$26.48
- 13. Re-roof for all others by contract price w/no plan check fee
- 14. Business license inspection. . . . . \$26.48
- 15. Mobile home safety seal. . . . . \$66.20
- 16. Move or alter . . . . . \$52.96

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\* 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 the total percentage increase in

the consumer price index. The increase shall become effective upon the first day of each fiscal year. 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 17.

100.0701 Permit Fee Waiver. Notwithstanding the provisions of Chapter 100 of the Washoe County Code, for a period of six (6) months from the declaration of the emergency in Washoe County dated January 2, 1997, due to the January 1997 floods, the following permit fees shall not be charged for purposes of renovation, or repair or replacement of flood damaged properties: Department of Public Works fees and Department of Community Development plan review, building inspection and permit fees for minor to moderate in kind renovations and repairs. In kind replacement and repairs shall meet all current county ordinances, including building, planning, and development code requirements.

#### SECTION 18.

100.0702 Refund. Fees paid by applicants for permits prior to the effective date of this ordinance shall be returned to each applicant if: 1) the applicant requests the refund; 2) the application was made during the time period stated in and for the purposes described in section 100.0701.

SECTION 19.

100.0703 Expiration. The provisions of sections 100.0701 and 100.0702 shall expire on July 2, 1997.

SECTION 20.

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, except 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 21.

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 not more than 80 percent 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.

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

2.3 TRPA application fees will be 100% refundable if no review is performed or if the application was received in error.

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 22.

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 underfloor inspection. To be made after all in-slab or underfloor 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 23.

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 24.

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 25.

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 26.

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 as approved by the State of Nevada Division of Manufactured Housing.

SECTION 27.

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 28.

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 29.

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 30.

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 31.

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 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 32.

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 "miniwarehouse" to read as follows:

Miniwarehouse 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 33.

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 chapter 461 of the Nevada Revised Statutes. A mobile home is not a manufactured home, nor a modular building.

SECTION 34.

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 35.

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.

Exception: Enclosed patio cover as defined by section 3116 of the code consisting of readily removable wall panels of insect screen, plastic not more than .125 inch in thickness or glazed panels not to exceed 1/8 inch in thickness and with maximum dimensions of 24 inches wide by 54 inches high (9 square feet).

SECTION 36.

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 37.

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 38.

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 39.

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 40.

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 41.

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 42.

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.
8. Areas of refuge (as defined in Section 1102).

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 43.

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 an 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, means of egress, fire-protection systems, firefighting equipment and fire department access.
12. Work table.

SECTION 44.

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 (10.76 lx) 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 45.

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

403.9 Means of egress. 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 46.

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 miniwarehouse 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 47.

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 48.

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
405	Open parking structures
402	Atria
403	High-rise office buildings and Group R Division 1 occupancies
404	Malls
411	Aviation control structures
413	Agricultural buildings
704.1	Combustible material protection specified by Washoe County Code section 100.220
3111	Membrane structures

SECTION 49.

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 50.

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 51.

100.230 U.B.C. Section 1003.3.4.3 amended: Ramp slopes. Section 1003.3.4.3 of the Uniform Building Code is hereby amended to read as follows:

1003.3.4.3 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 (8.3% 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 52.

100.235 U.B.C. Section 1005.3.3.7 amended: Pressurized enclosures. Section 1005.3.3.7 of the Uniform Building Code is hereby amended to read as follows:

1005.3.3.7 Pressurized enclosure. In a building having a floor level used for human occupancy located more than 55 feet (16,764 mm) above the lowest level of fire department vehicle access, all required exit enclosures shall be pressurized in accordance with Section 905 of this section. Pressurization shall occur automatically upon activation of an approved fire alarm system.

Exception: If 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 located within 5 feet (1524 mm) of each vestibule entry.

A 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 shall be located in the upper portion of such pressurized exit enclosures.

SECTION 53.

100.243 U.B.C. Section 1103.1.1 amended: General facility accessibility requirements. Section 1103.1.1 of the uniform Building Code is hereby amended to read as follows:

1103.1.1 General. Accessibility to temporary or permanent buildings, or portions thereof, shall be provided for all occupancy classifications except as modified by this chapter. See also Appendix Chapter 11.

Exceptions: 1. Floors or portions of floors not customarily occupied, but not limited to, elevator pits; observation galleries used primarily for security purposes; elevator penthouses; non-occupiable spaces accessed only by ladders, catwalks, crawl spaces or freight elevators; piping and equipment catwalk; and machinery, mechanical and electrical equipment rooms.

2. Subject to the approval of the building official, areas where work cannot reasonable be performed by persons having a severe impairment (mobility, sight or hearing) need not have specific features which provide accessibility to such persons.

3. Temporary structures, sites and equipment directly associated with the construction site trailers, scaffolding, bridging or material hoist are not required to be accessible. This exception does not include walkways or pedestrian protection required by chapter 33.

4. Temporary modular buildings used as classrooms where the same capacity and function is accessible on the same site.

SECTION 54.

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 or roofing assembly on any structure regulated by this code shall be as specified in Table 15-A and as classified in Section 1504. Noncombustible roof covering as defined in Section 1504.2 may be applied in accordance with the manufacture's requirements in lieu of a fire-retardant roofing assembly.

Roofing shall be secured or fastened to the supporting roof construction and shall provide weather protection for the building at the roof.

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 55.

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 and having a minimum opening height of 4 inches (102 mm) 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. Overflow drains shall discharge to an approved location and shall not be connected to 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 56.

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 57.

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 58.

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 59.

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 Section 1612.2. 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 combination of loads as required in Section 1612.3.

Design 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 60.

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<sup>1,2,3,4</sup>

Elevation above Sea Level in Feet	Lake Tahoe Basin Snow Load	Sierra East Slope West of 395	Remainder of Washoe County
0 - 5,299		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

<sup>1</sup>All manufactured trusses shall be stamped for the design load.

<sup>2</sup>Intermediate values may be interpolated by proportion.

<sup>3</sup>Deviations 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.

<sup>4</sup>In the design of buildings and structures above 5,300 foot elevation, the roof shall be designed for 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. Protection of required exits from the danger of falling icicles and snow sliding off pitched roofs. Roof drainage shall be diverted away from doors.

9. Engineering will be required for all structures above 5,300 foot elevation.

10. For loads 20 pounds per square foot and less, no reductions shall be used.

#### SECTION 61.

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 62.

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". Exposure B may be used for all structures in the Incline area between 1/4 mile of the lake and below elevation 7200 foot and meeting the requirements of exposure B.

#### SECTION 63.

100.293 U.B.C. Section 1629.3 amended: Site geology and soil characteristics. Section 1629.3 of the Uniform Building code is hereby amended to read as follows:

1629.3 Site geology and soil characteristics. Each site shall be assigned a soil profile type based on properly substantiated geotechnical data using the site categorization procedure set forth in Division V, Section 1636 and Table 16-J.

Exceptions:

1. When the soil properties are not known in sufficient

detail to determine the soil profile type, Type Sd shall be used. Soil profile type Se or Sf need not be assumed unless the county building official determines that Type Se or Sf may be present at the site or in the event that Type Se or Sf is established by geotechnical data.

2. For the purposes of design for large housing tracts in a geologically similar region which have an overall geotechnical report, the county building official may allow that report to be used in the design of individual lots in that tract.

#### SECTION 64.

100.295 U.B.C. Section 1627.2 amended: Seismic zone. Section 1627.2 of the Uniform Building Code is hereby amended 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 65.

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 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. Permits which require elevation certification and are not in a defined flood plan shall be given a tolerance on 1 foot plus or minus before they are required to resubmit for county approval. Under no condition shall the drainage be altered which would cause an impact to adjacent properties.

Exception: On parcels two (2) acres or more which do not effect the drainage on other properties, the county building official may waive the requirement.

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 66.

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 Division II 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.

Residential foundation: Minimum footing dimension shall be specified in Table 18-1-C. There shall be a minimum of one #4 continuous reinforcing bar in the top 1/3 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.

Awning and porch foundation: Minimum footing dimension shall be 12" x 12" (12" diameter) and extend 24" below finished grade.

Exception: Awnings, porches and patio covers may be supported on a minimum 3 1/2" thick concrete slab provided that the columns load to the slab does not support a live and dead load in excess of 750 pounds.

An engineer shall design awnings, porches and patio covers located on property at 5300' elevation or above.

Decks and platforms less than 30" from finished grade: Minimum footing dimension for all exterior perimeter footings shall be 12" x 12" (12" diameter) and must extend 18" below finished grade. Interior footings shall have a minimum support of 8" x 8" x 6" depth pier blocks.

Decks and platforms 30" or more above finished grade: Minimum footing dimension for all piers shall be 12" x 12" and must extend a minimum of 24" below finished grade. An engineer shall design decks and platforms located on property at 5300' elevation or above.

Attached structures: All structures attached to the main residence or structure shall meet the foundation requirements for the structure it is attached to.

Detached structures with floor area exceeding 120 square feet and less than 180 square feet: All structures which are detached from the main structure (storage sheds, utility buildings) shall have a minimum footing size of 6" wide and 24" deep.

Detached structure with floor area of 180 square feet or greater: Minimum footing dimensions shall meet the requirements for residential foundations.

All post to footing connections shall be made with an approved mechanical connection or equivalent.

Exception: Heart redwood column post may be embedded in the foundation pier. The post shall be fully embedded to within 3" of the bottom of the pier and concrete pier to extend 8" above finished grade.

SECTION 67.

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

TABLE NO. 18-1-C FOUNDATIONS FOR STUD BEARING WALLS  
MINIMUM REQUIREMENTS <sup>1, 2, 3,</sup>

Number of Stories Supported by the Foundations	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.

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

<sup>2</sup>The ground under the floor may be excavated to the elevation of the bottom of the footing.

<sup>3</sup>Foundations may support a roof in addition to the stipu-

lated number of floors. Foundations supporting roofs only shall be as required for supporting one floor.

SECTION 68.

100.315 U.B.C. Section 1922 amended: Plain concrete members. Section 1922 of the Uniform Building Code is hereby amended to read as follows:

1922 Seismic Zones 3. Structural plain concrete members are not permitted in Seismic Zone 3 in Washoe County.

Exception: U-1 occupancies less than 300 square foot and isolated minor decks and awnings piers.

SECTION 69.

100.325 U.B.C. Section 2306.7 amended: Foundation ventilation. Section 2306.7 of the Uniform Building Code is hereby amended to read as follows:

2306.7 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. An approved vapor barrier shall be installed within all crawl spaces. 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 70.

100.330 U.B.C. Section 2312.2 amended: Structural roof sheathing. Section 2312.2 of the Uniform Building Code is hereby amended by adding:

2312.2 Structural roof sheathing. All roofs shall be solidly sheathed with a minimum of 1/2 inch plywood or an approved structural equivalent.

SECTION 71.

100.335 U.B.C. Section 2320.12.9 amended: Roof sheathing. Section 2320.12.9 of the Uniform Building Code is hereby amended by adding:

2320.12.9 Roof sheathing. All roofs shall be solidly sheathed with a minimum of 1/2 inch plywood or an approved structural equivalent.

SECTION 72.

100.340 U.B.C. Section 2320.14 amended: Roof truss ties. Section 2320.14 of the Uniform Building Code is hereby amended by adding:

2320.14 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 73.

100.343 U.B.C. Section 2902 repealed: Number of plumbing fixtures. Section 2902 of the Uniform Building Code (Number of Fixtures) is hereby repealed.

SECTION 74.

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 75.

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: 1) 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.

2) Temporary classrooms used in group E-1 and E-2 occupancies.

3) Approved modular commercial buildings for temporary sets will be limited to a period of time not to exceed 36 months.

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 76.

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 that 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 77.

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 provides:

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, placed on the new foundation 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.

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-I 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 78.

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 79.

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 regu-

lating grading on private property and regulating the proper and unobstructed flow of water in natural drainage channels.

SECTION 80.

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 m<sup>3</sup>) 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. In the Incline Village area, 3 yards maximum between October 15 to May 1 and 7 yards between May and October 15.

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 81.

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 82.

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 83.

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 84.

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 county engineer.

Specifications shall contain information covering construction and material requirements.

Plans shall be drawn to scale upon substantial paper 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 85.

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 86.

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 county engineer 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 department 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 87.

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 correction 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 88.

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 county engineer may require that any such improvement conform to any master plan of drainage as may be presently or hereafter adopted by Washoe County.

#### SECTION 89.

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 county engineer 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 90.

100.425 U.B.C. Appendix Section 3319 amended: Notices of uncompact 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 91.

100.430 U.M.C. Section 103.1 amended: Scope (applicability). Section 103.1.1 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 92.

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 section 100.060.

SECTION 93.

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 . . . . . \$19.86
- 2. For issuing each supplemental permit for which the original permit has not expired, been canceled or finalized . . . . . \$5.96

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) . . . . . \$11.92
- 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) . . . . . \$14.56
- For the installation or relocation of each floor furnace, including vent. . . . . \$11.92
- For the installation or relocation of each suspended heater, recessed wall heater or floor-mounted unit heater \$11.92

2. Appliance Vents

- For installation, relocation or replacement of each appliance vent installed and not included in an appliance permit. . . . . \$5.96

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 . . . . \$11.92

#### 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) . . . . . \$11.92

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). . . . . \$21.85

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). . . . . \$29.79

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). . . . . \$44.35

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) . . . . \$74.14

#### 5. Air Handlers

For each air-handling unit to and including 10,000 cubic feet per minute (4720 L/s) including ducts attached thereto. . . . . \$8.61

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) . . . . \$14.56

#### 6. Evaporative Coolers

For each evaporative cooler other than portable type. . . . \$8.61

#### 7. Ventilation and Exhaust

For each ventilation fan connected to a single duct . . . . \$5.96

For each ventilation system which is not a portion of heating or air-conditioning system authorized by a permit . \$8.61

For the installation of each hood which is served by mechanical exhaust, including the ducts for such hood. . \$8.61

8. Incinerators

For the installation or relocation of each domestic-type incinerator. . . . . \$15.46  
 For the installation or relocation of each commercial or industrial-type incinerator. . . . . \$59.58

9. Oil Tanks

For the installation of fuel oil tanks. . . . . \$26.48

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 . . . . . \$8.61

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 . . . . . \$3.97  
 For each gas-piping system, additional outlets over five, each . . . . . \$ .99

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 . . . . . \$6.62  
 For each piping system of five or more outlets, per outlet . . . . . \$1.32  
 For each nonhazardous process piping system (NPP) of one to four outlets. . . . . \$2.65  
 For each piping system of five or more outlets, per outlet . . . . . \$ .66

Other Inspections and Fees

1. Inspections outside of normal business hours, per hour (Minimum charge--two hours) . . . . . \$39.72\*
2. Reinspection fees assessed under provisions of Section 116.6, per inspection . . . . . \$39.72\*
3. Inspections for which no fee is specifically indicated, per hour (Minimum charge--one-half hour) . \$39.72\*
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) . . . . . \$39.72\*

\*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 94.

100.445 U.M.C. Section 304.5 amended: Prohibited locations.  
 Sections 304.5 of the Uniform Mechanical Code is hereby amended

to read as follows:

304.5 Prohibited locations. Equipment shall not be located in a hazardous location unless listed and approved for the specific installation. Fuel-burning equipment, electric resistance heating devices or electrostatic air cleaners shall not be installed in a surgical procedure or medical treatment room. fuel-burning equipment shall not be installed in a closet, bathroom or a room readily usable as a bedroom, or in a room, compartment or alcove opening directly into any of these.

Exceptions:

1. Direct vent equipment and electric heat furnaces.
2. Access to furnaces located in an attic or underfloor crawl space may be through a closet.
3. A vented appliance located in an unconfined space in accordance with the combustion air requirements of Chapter 7.
4. A fireplace may be approved for installation in a bathroom or bedroom if equipped with an approved method of obtaining combustion air from outside.
5. A warm-air furnace in an enclosed space with combustion air obtained from outside the building in conformance with Chapter 7 and having a tightfitting gasketed door with a closer may have access through a bathroom or bedroom.

In areas subject to flooding, equipment which would be damaged or create hazardous conditions if subjected to inundation shall not be installed at or below grade unless suitably protected by elevation or other approved means.

#### SECTION 95.

100.450 U.M.C. Section 1314 repealed: Liquefied petroleum gas facilities and piping. Section 1314 of the Uniform Mechanical Code is hereby repealed.

#### SECTION 96.

100.455 U.M.C. Tables 3-E and 3-H repealed: Tables 3-E and 3-H of the Uniform Mechanical Code are hereby repealed.

#### SECTION 97.

100.460 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 5,300 feet elevation within Washoe County shall be located a minimum of 7 feet above finished grade or as required by Section 806.1.

#### SECTION 98.

100.465 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 99.

100.473 U.P.C. Section 103.1.3.1 amended. Licensing. Section 103.1.3 of the Uniform Plumbing Code is hereby amended to read as follows:

103.1.3.1 Licensing. It is unlawful for any person to labor in the performance of gas testing without first having had issued to them a valid certificate of qualification. The department shall issue certifications of qualification to every person who makes application and successfully passes the examination conducted by the department. Any person who fails to pass the examination may apply for reexamination in thirty days. Every certification shall

remain in effect until canceled or revoked. The department may revoke any certificate if such person shows incompetence or lack of knowledge in matters relevant to such certification. Certifications are not transferable from one person to another. Lending of any certification to another person shall be deemed cause for revocation.

SECTION 100.

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 section 100.060.

SECTION 101.

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. . . . . \$13.24
- 2. For issuing each supplemental permit. . . . . \$6.60

Unit Fee Schedule (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 . . . . . \$5.30
- 2. For each building sewer and each trailer park sewer . . \$26.48
- 3. Rainwater systems, per drain (inside building). . . . . \$5.30
- 4. For each private sewage disposal system . . . . . \$250.00  
(Health Department Fee Schedules of 6/30/95)
- 5. For each water heater and/or vent . . . . . \$6.62
- 6. For each gas-piping system of one to four outlets . . . \$3.97
- 7. For each additional gas piping system outlet, per outlet. . . . . \$ .99
- 8. For each industrial waste pretreatment interceptor including its trap and vent, except kitchen-type grease interceptors functioning as fixture traps. . . \$10.59
- 9. For each installation, alteration or repair of water piping and/or water treating equipment, each. . . \$2.65
- 10. For each repair or alteration of drainage or vent piping, each fixture . . . . . \$2.65

- 11. For each lawn sprinkler system on any one meter including backflow protection devices therefor . . . . \$7.94
- 12. For atmospheric-type vacuum breakers not included in item 11--one to five. . . . . \$6.62  
Over five, each. . . . . \$1.24
- 13. For each backflow protective device other than atmospheric-type vacuum breakers: 2" in diameter and smaller. . . . . \$6.62  
Over 2" in diameter. . . . . \$19.86
- 14. For each graywater system. . . . . \$26.48

Other Inspections and Fees

- 1. Inspections outside of normal business hours. . . . \$39.72\*
- 2. Reinspection fee. . . . . \$39.72\*
- 3. Inspection for which no fee is specifically indicated . . . . . \$39.72\*
- 4. Additional plan review required by changes, additions or revisions to approved plans (minimum charge--one-half hour). . . . . \$39.72\*

\*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 102.

100.483 U.P.C. Section 103.5 amended: Inspections. Section 103.5 of the Uniform plumbing code is hereby amended by adding:

103.5.7.1 General. In addition to the inspection requirements of Section 103.5.1 through section 103.5.6.3, the owner, the engineer, or architect of record acting as the owner's agent shall employ one or more special inspectors who shall provide inspections during construction on the types of work listed under section 103.5.7.5.

Exception: The building official may waive the requirement for the employment of a special inspector if the construction is of a minor nature.

103.5.7.2 Special inspector. The special inspector shall be a qualified person who shall demonstrate competence to the satisfaction of the building official for inspection of the particular type of construction or operation requiring special inspection.

103.5.7.3 Duties and responsibilities of the special inspector. The special inspector shall observe the work assigned for conformance to the approved design drawings and specifications.

The special inspector shall furnish inspection reports to the building official, the engineer or architect of record,

and other designated persons. All discrepancies shall be brought to the contractor for correction, then if uncorrected, to the proper design authority and to the building official.

The special inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the code.

103.5.7.4 Standards of quality. The standards listed below shall be labeled a plumbing code standard as well as those included within chapter 14 and are part of this code. The other standards listed below are recognized standards.

1. The California-Nevada American Water Works Association standards governing the certification of backflow prevention assembly testers and cross-connection control specialists.

2. University of Southern California Foundation for Cross-Connection Control and Hydraulic Research Manual of Cross-Connection Control (Ninth Edition).

103.5.7.5 Types of work. Except as provided in section 103.5.7.1 the types of work listed below shall be inspected by a special inspector.

1. Cross-Connection Control. The inspection of all fixtures for cross-connection control shall be performed by a special inspector certified as a cross-connection control specialist and shall be made in accordance with approved recognized standards and the requirements of this section and section 603 of this code. While the work is in progress, the special inspector shall determine that the requirements for cross-connection control of any water operated equipment or mechanism, piping arrangement, or use of any water treating chemical or substance which may cause potential pollution or contamination of the domestic water supply have been complied with. Such inspections may be performed on a periodic basis in accordance with the requirements of section 103.5.7.6. The special inspector shall observe the installation and testing of all backflow prevention devices, assemblies and methods in accordance with the provisions of this code and as outlined in the CA-NV A.W.W.A. Section rules for cross-connection control specialist program.

103.5.7.6 Continuous and periodic special inspection.

1. Continuous Special Inspection. Continuous special inspection means that the special inspector is on the site at all times observing the work requiring special inspection.

2. Periodic Special Inspection. Some inspections may be made on a periodic basis and satisfy the requirements of continuous inspection, provided this periodic scheduled



inspection is performed as outlined in the project plans and specifications and approved by the building official.

#### SECTION 103.

100.485 U.P.C. Section 301.1.3 amended: Standards. Section 301.1.3 of the Uniform Plumbing Code is hereby amended to read as follows:

301.1.3 Standards. Standards listed or referred to in this chapter cover materials which will conform to the requirements of this code, when used in accordance with the limitations imposed in this or other chapters thereof and their listing. Where a standard covers materials of various grades, weights, quality, or configurations, there may be only a portion of the listed standard which is applicable. Design and materials for special conditions or materials not provided for herein may be used only by special permission of the Administrative Authority after the Administrative Authority has been satisfied as to their adequacy. A list of generally accepted plumbing materials standards is included in Table 14-1. All IAPMO Installation Standards are included at the rear of the code.

In addition to the standards listed in Chapter 14, the following standards listed below shall be labeled as a recognized plumbing code standard.

The California-Nevada American Water Works Association (CA-NV Section) standards governing the certification of backflow prevention testers and cross-connection control program specialist.

The University of Southern California's Foundation for Cross-Connection Control and Hydraulic Research Ninth Edition Manual of Cross-Connection Control.

The primary product and performance standard for the design, installation and testing of the backflow prevention assembly shall be the University of Southern California's Manual of Cross-Connection Control, Ninth Edition. When conflicts arise between the provisions of the Uniform Plumbing Code and the U.S.C. Manual of Cross-Connection Control, the most restrictive shall govern.

#### SECTION 104.

100.487 U.P.C. Section 412.2 amended: Location of floor drains. Section 412.2 of the Uniform Plumbing Code is hereby amended to read as follows:

412.2 Location of floor drains. Floor drains or floor sinks shall be installed in the following areas:

412.2.1 In all public restrooms and in toilet rooms containing two (2) or more water closets or a combination of

one (1) water closet and one (1) urinal, except in a dwelling unit. The floor shall slope toward the floor drains.

Exception: The building official may waive the requirement to slope the floor toward the floor drains in building remodels if the construction is of a minor nature.

412.2.2 Commercial kitchens, in areas adjacent to commercial dishwashing machines and in all areas where meat, poultry or fish processing is conducted.

412.2.3 Laundry rooms in commercial buildings and common laundry facilities in multi-family dwelling buildings.

412.2.4 Boiler room areas subject to flooding in commercial buildings and boiler room areas of multi-family buildings.

412.2.5 Rooms containing a reduced pressure backflow device. The designer shall consider the backflow device manufacturer's recommendation for sizing of the floor drain to accommodate a full port discharge.

412.2.6 Rooms containing a floor drain which are not subject to continuous inspection and maintenance shall have the floor drains equipped with approved trap primers.

#### SECTION 105.

100.489 U.P.C. Section 413 amended: Minimum number of required fixtures. Section 413 of the Uniform Plumbing Code is hereby amended to read as follows:

##### 413.0 Minimum number of required fixtures.

413.1 Fixture Count. The number of plumbing fixtures within a building shall be provided for by the type of building occupancy and in the minimum number shown in Table 4-1. Fixtures located within unisex toilet and unisex bathing rooms shall be included when determining the number of fixtures provided in an occupancy.

##### 413.2 Access to Fixtures.

413.2.1 In multi-story buildings, accessibility to the required fixtures shall not exceed one (1) vertical story.

413.2.2 Fixtures accessible only to private offices shall not be counted to determine compliance with this section.

413.2.3 Group A Occupancies shall be provided with at least one (1) drinking fountain at each floor level in an approved location.

Exception: A drinking fountain need not be provided in a drinking or dining establishment.

413.2.4 For other requirements on water closets, see section 807 and chapter 11 of the Uniform Building Code for access to water closets and drinking fountains.

413.3 Separate Facilities. Separate toilet facilities shall be provided for each sex.

Exceptions: (1) Group R Occupancies. Buildings classified as Group R Occupancies shall be provided with the

minimum number of fixtures as specified in Table 4-1. Hotels or subdivisions thereof where both sexes are accommodated shall contain at least two (2) separate toilet facilities that are conspicuously identified for both male and female use, each of which contains at least one (1) water closet.

Exception: Hotel guest rooms may have one unidentified toilet facility.

Additional water closets shall be provided on each floor for each sex at a rate of one (1) for every additional ten (10) guests, or fractional part thereof, in excess of ten (10).

Dwelling units shall be provided with a kitchen equipped with a kitchen sink. Dwelling units, congregate residences and lodging houses shall be provided with a bathroom equipped with facilities consisting of a water closet, lavatory, and either a bathtub or shower. Each sink, lavatory, and either a bathtub or shower shall be equipped with hot and cold running water necessary for its normal operation.

For other requirements on water closets, see Section 807 and Chapter 11 of the Uniform Building Code.

(2) Groups B, F, H, M, and S Occupancies. In Groups B, F, H, M, and S Occupancies, buildings or portions thereof where persons are employed shall be provided with at least one water closet. Separate facilities shall be provided for each sex when the number of employees exceeds four. The number of plumbing fixtures required within the following uses shall be based on Table 4-1 using the occupant load factors listed below or the actual employee count, whichever is greater. For areas other than those listed below, the number of required fixtures shall be determined by using the requirements of section 413 and Table 4-1.

Use	Occupancy Use Factor
Aircraft Hangers/Parking Garage (No repair work)	2000
Manufacturing Areas, Workshops, Foundries, Repair Garage	1100
Warehouses (Not classified as storage room/stock room)	2750

The total occupant load shall be based on 50 percent male, 50 percent female. The total number of water closets for females shall not be less than the total number of water closets and required urinals for males. Such facilities shall be centrally located either in such building or conveniently in a building adjacent thereto on the same property. See additional provisions of section 413.5

(3) In occupancies serving fifteen or fewer people and employing four or less persons, one toilet facility designed for use by no more than one person at a time shall be permitted for use by both sexes.

(4) In business and mercantile occupancies with a total floor area of fifteen hundred (1500) square feet (139.5 m<sup>2</sup>) or less and complying with item 3 above, one (1) toilet facility, designed for use by no more than one (1) person at a time, shall satisfy the requirements for serving customers and employees of both sexes.

(5) Group E Occupancies. The number of plumbing fixtures within a Group E Occupancy building shall be based on Table 4-1 using an occupant factor of 35 for standard student classroom areas. The required plumbing fixtures for staff use shall be based on the required staffing level needed to meet the above student count plus administrative and maintenance staff for the school. For areas other than standard classrooms, the number of required fixtures shall be determined by using the requirements of Table 4-1.

Exception: In elementary schools, multi-purpose rooms, theaters, and gymnasiums which are not used for public activities and do not generate additional student capacity need not be included in determining the required fixture requirements for the school.

Areas, which are used for both educational and public uses, shall be evaluated first for classroom use then as assembly use with required fixture count based on worst case. Restroom facilities dedicated for assembly uses shall have unrestricted access for after hour use. The total occupant load shall be based on 50 percent male, 50 percent female. The total number of water closets for females shall not be less than the total number of water closets and required urinals for males.

When determining the location of the drinking fountains specified in Table 4-1, there shall be at least one (1) drinking fountain on each floor for elementary and secondary schools. For additional requirements on water closets see Section 807 and Chapter 11 of the Uniform Building Code.

(6) Group I Occupancies. In Group I Occupancies, sanitation facilities for employees shall be provided as specified in item #2 above. When separate facilities are required for employees, the number of fixtures shall be as noted in Table 4-1. Additional sanitation facilities shall be provided for other occupants as noted in Table 4-1.

For other requirements on water closets, see Section 807 and Chapter 11 of the Uniform Building Code.

#### 413.4 Fixture Requirements for Special Occupancies.

413.4.1 Additional fixtures may be required when unusual environmental conditions or special activities are encountered.

413.4.2 Water closet rooms in connection with food establishments, where food is prepared, stored or served,

shall have a non-absorbent interior finish as specified in section 807.1 of the Uniform Building Code and shall have hand-washing facilities therein or adjacent thereto, and shall be separated from food preparation or storage as specified in section 302.6 of the Uniform Building Code. Additional fixture requirements may be dictated by health codes.

413.4.3 Types of occupancies not shown in Table 4-1 and not stipulated in section 413.3 shall be considered individually by the building official.

413.5 Facilities In Mercantile and Business Occupancies Serving Customers.

413.5.1 Requirements for customers and employees shall be permitted to be met with a single set of restrooms accessible to both groups. The required number of fixtures shall be the greater of the required number for employees or the required number for customers.

413.5.2 Fixtures for customer use shall be permitted to be met by providing a centrally located facility accessible to several stores. Such toilet facilities shall be located either in such building or conveniently in a building adjacent thereto on the same property. The maximum distance from entry to any store to this facility shall not exceed five hundred (500) feet (152.4 m).

413.5.3 In stores with a floor area of one hundred fifty (150) square feet (13.9 m<sup>2</sup>) or less, the requirement to provide facilities for employees shall be permitted to be met by providing a centrally located facility accessible to several stores. Such toilet facilities shall be located either in such building or conveniently in a building adjacent thereto on the same property. The maximum distance from entry to any store to this facility shall not exceed three hundred (300) feet (91.4 m).

413.6 Food Service Establishments. Food service establishments with an occupant load of one hundred (100) or more shall be provided with separate facilities for employees and customers. Customer and employee facilities may be combined for occupant loads less than one hundred (100).

413.7 Urinals per U.P.C. Table 4-1 will not be required when the occupant load of a restaurant, pub or lounge is twenty-five (25) or less.

413.8 Toilet Facilities for Workers. Suitable toilet facilities shall be provided and maintained in a sanitary condition for the use of workers during construction. The minimum ratio shall be one (1) water closet and one (1) urinal for each thirty (30) persons.

## SECTION 106.

100.490 U.P.C. Section 603..2 amended: General requirements. Section 603..2 of the Uniform Plumbing Code is hereby amended to

read as follows:

603..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 and or the District Health Department. The periodic testing shall be performed in accordance with procedures referenced in the university of Southern California manual of Cross-Connection Control (Ninth Edition) by a tester qualified in accordance with those standards and the CA-NV section of the AWWA backflow prevention assembly testers and cross-connection control program.

SECTION 107.

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 overtemperature and pressure relief device which is constructed, listed and installed in accordance with nationally recognized and applicable standards for such devices.

SECTION 108.

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 109.

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 4 inches in diameter.

SECTION 110.

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 111.

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 112.

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 113.

100.521 U.P.C. Appendix Table D.1 amended. Table D.1 of the Uniform Plumbing Code is hereby amended by adding:

Maximum rate of rainfall to use index/hour 3.0, GPM/square foot to .031.

SECTION 114.

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 . . . . . \$3.97
- In Addition
- 2. For Collectors (including related piping and regulating devices)
    - Up to 1000 sq. ft. (93 m<sup>2</sup>) . . . . . \$3.97
    - Between 1001 (93.1 m<sup>2</sup>) and 2000 sq. ft (186 m<sup>2</sup>) . . . . \$6.62
    - More than 2000 sq. ft (186 m<sup>2</sup>) \$5.00 plus \$1.00 per 1000 sq. ft. (93 m<sup>2</sup>) or fraction thereof over 2000 sq. ft. (186 m<sup>2</sup>)
  - 3. For storage tanks (including related piping and regulating devices) up to 750 gallons (3 m<sup>3</sup>). . . . . \$2.65
    - Between 751 (3 m<sup>3</sup>) and 2000 gallons (8 m<sup>3</sup>) . . . . . \$3.97
    - More than 2000 (8 m<sup>3</sup>) gallons, \$3.00 plus \$1.00 per 1000 (4 m<sup>3</sup>) or fraction thereof over 2000 gallons (8 m<sup>3</sup>)
  - 4. For rock storage-
    - Up to 1500 cu. ft. (42 m<sup>3</sup>) . . . . . \$2.65
    - Between 1501 (42.1 m<sup>3</sup>) and 3000 cu. ft. (84 m<sup>3</sup>). . . . . \$3.97
    - More than 3000 cu. ft. (84 m<sup>3</sup>), \$3.00 plus \$1.00 per 1000 cu. ft. (28 m<sup>3</sup>) or fraction thereof over 3000 cu. ft. (84 m<sup>3</sup>)
  - 5. For each appliance or piece of equipment regulated by this code for which no fee is listed . . . . . \$2.65
  - 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 115.

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. . . . . \$39.72
  - Private . . . . . \$26.48



- 2. Pool filling system including back-flow prevention,  
each 2 inch diameter and smaller. . . . . \$2.65  
Over 2 inch diameter. . . . . \$19.86
- 3. Water heater and/or vent, each. . . . . \$2.65
- 4. Gas piping system, each . . . . . \$2.65
- 5. Replacing of filter . . . . . \$3.97
- 6. Miscellaneous replacements. . . . . \$3.97
- 7. Backwash receptor . . . . . \$3.97

Other Inspections and Fees

- 8. Inspections outside of normal business hours. . . . . \$37.92
- 9. Reinspection fee. . . . . \$37.92
- 10. Inspections for which no fee is specifically  
indicated. . . . . \$37.92\*
- 11. Additional plan review required by changes,  
additions or revisions to approved plans,  
(minimum charge - one-half hour) . . . . . \$37.92\*

\*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 116.

100.535 National Electrical Code: Adoption; definition.

1. The National Electric Code and the Uniform Administrative Code Provisions for the National Electrical Code, 1996 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 1996 Edition of the National Electrical Code adopted by the National Fire Protection Association, the 1996 Edition of the Uniform Administrative Code Provisions for the National Electrical Code, as adopted by the International Conference of Building Officials.

SECTION 117.

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 118.

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 6 months, or by both such fine and imprisonment.

SECTION 119.

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 120.

100.555 U.A.C.P. for the N.E.C. Section 303(d) amended: Permit issuance. Section 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 121.

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 122.

100.565 U.A.C.P. for the N.E.C. Section 304(e) amended: Fee refunds. 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 123.

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 . . . . . \$13.24  
For issuing each supplemental permit .. . . . \$4.64

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. . . . . \$13.24

For other types of swimming pools, therapeutic whirlpools, spas and alterations to existing swimming pools, use 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 . . . . . \$13.24

For a temporary distribution system and temporary lighting and receptacle outlets for construction sites, decorative lights, Christmas tree sales lots, fireworks stands, etc., each . . . . . \$6.62

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 . . . . . \$ .66  
Additional outlets, each . . . . . \$ .37

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 . . . . . \$ .66  
Additional fixtures, each . . . . . \$ .37  
For pole or platform-mounted lighting fixtures, each . . . \$ .66  
For theatrical-type lighting fixtures or assemblies, each . \$ .66

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 . . . . . \$2.65

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 . . . . . \$2.65

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 . . . . .	\$2.65
Over 1 and including 10, each . . . . .	\$6.62
Over 10 and including 50, each. . . . .	\$13.24
Over 50 and including 100, each . . . . .	\$26.48
Over 100, each. . . . .	\$39.72

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 . . . . . \$3.73

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 . . . . . \$13.24  
 For additional branch circuits within the same sign, outline lighting system or marquee, each. . . . . \$2.65

### Services

For services of 600 volts or less and not over 200 amperes in rating, each . . . . . \$16.55  
 For services of 600 volts or less and over 200 amperes to 1000 amperes in rating, each . . . . . \$33.10  
 For services over 600 volts or over 1000 amperes in rating, each. . . . . \$66.20

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 . . . . . \$9.93

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 . . . . . \$39.72\*  
(minimum charge - two hours)
- 2. Reinspection fee assessed under provisions of section 305(e) . . . . . \$39.72\*
- 3. Inspections for which no fee is specifically indicated \$39.72\*  
(minimum charge - one-half hour)
- 4. Additional plan review required by changes, additions or revisions to approved plans . . . . . \$39.72\*

\* 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 124.

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 125.

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. Wire connectors or splicing means installed on conductors for direct burial shall be listed for such use.

Exception: Aluminum conductors listed as compact wire.

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

#### SECTION 126.

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 127.

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: Poles or groups of poles used as lighting standards where disconnecting means are remote.

#### SECTION 128.

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.

Service disconnecting means shall not be installed in a bathroom.

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 129.

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 130.

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 131.

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 No. 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, 810-21, and 820-40 for bonding and grounding requirements for communications and CATV circuits.

SECTION 132.

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 133.

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 134.

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 135.

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 instal-

lation 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 split bolt or irreversible compression-type connectors listed for the purpose or the exothermic welding process.

#### SECTION 136.

100.635 N.E.C. Article 250-91(b) amended: Types of equipment grounding conductors. Article 250-91(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 137.

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 1100 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 No. 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 138.

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), and 250-91(b).

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

Note: Equipment grounding conductors may need to be sized larger than specified in this table in order to comply with Section 250-51.

SECTION 139.

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 140.

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 141.

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 listed. (FPN:) The ambient temperature of PVC tubing is limited to 50 degree C (122 degree F) for application of this section.
  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. Where exposed to direct rays of the sun, unless identified as "Sunlight Resistant."
  10. In Type I and Type II buildings as defined in the Uniform Building Code.

SECTION 142.

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

SECTION 143.

100.670 N.E.C. Article 336-4 amended: Nonmetallic-sheathed cable. Article 336-4 of the National Electrical Code is hereby amended to read as follows:

336-4 Uses permitted. Type NM, Type NMC, and Type NMS 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 144.

100.675 N.E.C. Article 336-5 amended: Uses not permitted. Article 336-5 of the National Electrical Code is hereby amended to read as follows:

336-5 Uses not permitted.

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

#### SECTION 145.

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 146.

100.685 N.E.C. Article 350-14 amended: Flexible metal conduit grounding. Article 350-14 of the National Electrical Code is hereby amended to read as follows:

350-14 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 147.

100.800 Regulations regarding address numbers of residential and commercial buildings.

1. Purpose. The purpose of this regulation is to provide minimum standards under which the county can provide a logical and consistent system for addressing that is easily recognizable by emergency response personnel and others when trying to locate an address. The regulations and standards prescribed in this section shall be followed for address assignment and reassignment.

2. Duty of owner or agent. Not later than May 4, 1976, every property owner or agent thereof, for every residential, multi-residential, manufactured home, and every commercial building located within the unincorporated area of Washoe County which does not have address numbers complying with the provisions of WCC chapter 100.800 shall apply for and receive from the department of building and safety an assigned address number for such building.

3. Unlawful use of numbers; size of figures. All buildings shall have the assigned address numbers posted. It shall be unlawful for any person, whether the owner or occupant of the building or any apartment therein, to place, maintain or allow to remain thereon, any number other than the one required by this section. The address number shall be posted in the location specified in this code. The required, posted numbers shall be visible from the street and be of Arabic numerals.

(a) Residential dwellings shall have numbers not less than 4 inches in height with a proportionate width.

(b) All commercial buildings shall have numbers not less than 6 inches in height with a proportionate width. For multi-tenant buildings, assigned unit numbers 4 inches in height may be provided in lieu of the street number on the doors provided that the street address is provided in a location that is clearly visible and distinguishable from the unit numbers.

(c) The address number shall be a lighted sign or shall be at a minimum constructed with a contrasting color and background or with a reflective surface. All numbers shall be made of substantial and permanent material, and shall be so placed or fixed as not to be easily effaced or removed.

(d) All buildings or structures under construction shall be provided with temporary address signs.

4. Location. Residential address numerals shall be posted to the immediate left of the front door of the dwelling, unless the garage is furthest projecting building element, then the numerals shall be posted to the immediate left of the garage door. When such location is not visible from the street or access roadway fronting such residential dwelling, the required numerals shall be posted on a sign at the driveway entrance on the road which it departs. The sign shall not be located within the road right-of-way. The sign shall be mounted to a minimum 4x4-redwood post or equivalent, set to a height range of 42 inches to 60 inches. Commercial address numerals shall be posted over the main entrance doors, as well as on the rear door for the business. For multi-tenant buildings, assigned unit numbers shall be provided on the front doors in lieu of street address, provided that the street address numerals are provided in locations that are clearly visible and distinguishable from the unit numbers. When such location is not visible from the street or roadway fronting such commercial building, the required numerals shall be at a location and a size specified by the department of building and safety.

5. Use of odd and even numbers. For streets running east and west, all buildings located on the north side shall be numbered with odd numbers, and all buildings located on the south side shall be numbered with even numbers. Except for the Incline Village-Crystal Bay portion of Washoe County, for the streets running east and west, all buildings located on the north side shall be numbered with even numbers, and all buildings located on the south side shall be numbered with odd numbers. For streets running north and south, all buildings located on the west side shall be numbered with odd numbers, and all buildings located on the east side shall be numbered with even numbers. Diagonal streets shall be addressed as either north/south or east/west streets. In determining odd or even numbers, the predominant direction should be used by plotting the end points of the road; the greatest distance between these end points shall be the determining factor.

6. Allotment of numbers.

(a) The county's address system is based on the grid system outlined within the recognized standards. The addressing baseline is Virginia Street (Reno), dividing the east/west oriented streets, and First Street (Reno), dividing the north/south oriented streets. The county shall

have 1,000 addresses per mile, or 528 feet per hundred block and shall be in numerical sequence beginning from the baseline. Some of the outlying community areas may have a beginning baseline different than noted above and such baseline is isolated to that specific geographic area. When assigning the address numbers, the middle of a structure shall determine the address number. Structure shall be numbered according to the road they face or front, not where the driveway enters the road. Exception: When the structure cannot be seen from the road, then the driveway location from which it departs the road shall be the factor used to determine the address.

(b) For the Incline Village-Crystal Bay portion of Washoe County, the numerical sequence shall be in accordance with the Official Numbering Plan for Incline Village as approved by the Washoe County Engineer on December 1, 1965, with updates, additions and corrections. Structures shall be numbered according to where the driveway enters the road from which it departs.

7. Duty of the building official. It shall be the duty of the County Building Official or his/her designee to assign addressing in conformance with this code and the recognized standards of the county. Whenever the County Building Official or his/her designee has knowledge of any violation of this chapter, he/she shall notify the property owner, or if he cannot be found, the agent or occupant of the premise where the violation occurs with a 30 day notice to correct the violation. If after the 30 days the cause of the complaint is not removed, the building official may take action to enforce this chapter as prescribed in WCC 100.035.

8. Retention of old numbers; limitation. Whenever any property owner or agent of any property has been notified to change the numbers of the building, the old numbers may be temporarily retained, in addition to the new numbers. In no case shall the old numbers be retained for a period longer than 60 days after the final notice-to-change letter has been mailed.

9. Additional numbering on curbs permissible.

(a) A person owning any building, or the agent thereof, being otherwise in compliance with the above provisions of this chapter, may, pursuant to this section, paint or cause to be painted upon the outer (street) side of the county curb, located in front of his building, and within the extended property lines, the address number of such building, but no other number or letter. Use of the curb-numbering authorized by this section is not required and shall not, under any circumstances, take the place of the other numbering requirements of this chapter. All building numbers placed on curbs shall be of good quality black enamel paint, and shall be neatly centered and placed upon a 16-inch background of good quality white outdoor reflective paint. The curb numbers themselves shall be four inches

high, and shall be formed by use of standard stencil series "C." Whenever possible, when the property is serviced by one or more driveways, the curb numbers shall be placed not less than one foot and not more than three feet from the driveway edge nearest the main front entrance to the building. Curb numbers permitted by this section shall not be painted on any curb when such painting or numbering would conflict with any required "red," "yellow," "green," "white," or "orange", or other restricted curb zone set forth by the Washoe County public works department.

(b) Every person desirous of painting house numbers on curbs as a business venture or in conjunction with any business venture shall have obtained a county business license from the business license division of the department of community development.

(c) It is unlawful for any person, firm, partnership, corporation or other association to paint or cause to be painted any house number on a curb without first having obtained the permission of the owner or occupant of the property adjacent to the curb.

10. Standards. The recognized standards used to determine the location, method or configuration of the addressing used by Washoe County are the recommended address standards of appendices A1 and A2, which are incorporated by reference.


Proposed on the 26th day of October 1999.  
Proposed by Commissioner Pete Sferrazza.  
Passed on the 16th day of November 1999.

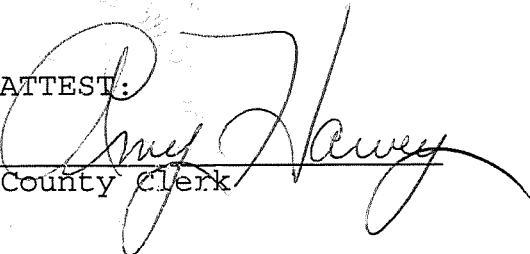
Vote:

Ayes: **Joanne Bond, Jim Galloway, Pete Sferrazza, Jim Shaw, and Ted Short**

Nays: **None**

Absent: **No one**

  
\_\_\_\_\_  
Chairman  
Washoe County Commission

ATTEST:  
  
\_\_\_\_\_  
County Clerk

This ordinance shall be in force and effect from and after the 1st day of January, 2000.