



Single Family Dwelling Submittal Requirement Checklist without Basement

TWO COMPLETE SETS OF PROPERLY STAMPED & SIGNED PLANS & ONE SET OF ELECTRONIC PLANS ARE REQUIRED. PLANS THAT ARE STAMPED “PRELIMINARY”, “FOR REVIEW ONLY” AND/OR “NOT FOR CONSTRUCTION” ARE UNACCEPTABLE. COMPLETE PLANS SHALL INCLUDE THE FOLLOWING:

1. Two plat, site and grading plans required. (See attached Residential Site Plan Requirements Sheet).
2. Two Code Analysis Sheets:
 - Location of Property/Address/APN
 - Total Sq Ft of living area
 - Total Sq Ft of nonliving area
3. Two building plans required with the following:
 - Plans shall be complete and consist of architectural, structural, electrical, plumbing, and mechanical drawings with supportive data.
 - A Nevada State Licensed Architect or Engineer must draw plans. The architect and/or engineer are responsible for the design and shall date, stamp and sign each sheet submitted per NRS **OR;**
A Nevada State Licensed Contractor or Owner/Builder when used for his own work may also draw plans. Contractor or Owner/Builder must sign these plans. If a licensed Contractor draws the plans, the plans shall be so identified with the following information on the front sheet of each principle’s drawings on each set of plans:
 - o The Contractor Company Name
 - o State Contractors License Number
 - o State Contractor Classification (C-1, C-2b, B, B-2, etc)
 - o State License Limit
 - o Printed Name of Person who prepared drawings
 - o Original Signature of Person who prepared drawings

In order to utilize this exemption, the Contractor will be required to title the plans without references to being prepared by a party other than the Contractor who is completing the work.

If an Owner/Builder draws the plans, the plans shall be so identified with the following information on the front sheet of each set of plans:

- Printed Name of Owner who prepared drawings.
- Original Signature of Owner who prepared drawings
- Statement "Owner/Builder" underneath Signature

In order to utilize this exemption, the owner will be required to title the plans without references to being prepared by a party other than the owner who is completing the work.

4. Two sets of structural plans and documents are required with the following, but are not limited to:
 - Structural calculations, specifications, soils report (when not included) in the sub-division plans), and other documents if deemed necessary & requested by the City. Each set of documents shall be stamped, signed and dated by the Nevada licensed engineer who has responsible charge of these documents.
 - Foundation plans showing all footings, posts, bearing walls, slabs, basement walls, stem walls, anchor bolts and spacing, and hold-downs.
 - Foundation plans showing size depth and reinforcement of foundations.
 - Foundation plans showing post-tensioned slab foundation where required.
 - Foundation plans showing sections and details.
 - Foundation plans showing material specifications and foundation notes.
 - Crawl space ventilation details.
 - The location and size of readily accessible crawl space access shall be shown on plans (if located in foundation)
5. Two sets of framing plans and details are required with the following:
 - Roof and floor framing plans showing location and spacing of trusses, joists and rafters, beams, headers, posts, trimmers, king studs, exterior and interior bearing walls, framing hardware, connections and details.
 - Lateral force resisting system including shear walls, rigid frames, cantilevered columns, drag struts, collectors, diaphragm, nailing schedule, hold-downs, framing hardware and connections.
 - Framing layouts and connection details are included when trusses are to be used. Truss design and shop drawings prepared, stamped and signed by a Nevada Licensed Engineer required, when doing 4-way inspection.
 - General structural notes, material specifications, loading and structural design criteria are to be included with plans.
6. Floor plans required with the following:
 - Name of rooms and spaces with complete dimensions.
 - Door and window sizes and schedules.
7. Exterior elevations required with the following:
 - Wall coverings shall be specified by components, thickness, and material specification.
 - One-coat stucco systems require an approved applicator.

- Roofing shall be specified by its type, manufacturer's name and product name.

8. Miscellaneous Details required with the following:

- Gypsum type, size and nailing schedule
- Insulation location and R-values
- Construction features such as stairs, fireplaces, showers, sunken tubs, etc. shall be detailed on the plans.
- The location and size of readily accessible attic access scuttles shall be shown on the plans
- Attic ventilation details and calculations must be shown
- Crawl space ventilation details
- The location and size of readily accessible crawl space access shall be shown on plans (if located in floor)
- For room additions and remodeling of existing buildings, including mobile homes and manufactured buildings, provide plans and details of adjacent areas and connections for structural and weather resistive information.
- When basements are installed, provide a cross sectional detail showing materials used, waterproofing of exterior side and egress window wells. (Also See Attached Building Foundation Drainage Requirements for Structures with Basements and Crawl Spaces Sheet).
- Energy Code Compliance must be shown either by Prescriptive Method or RESCheck. Please contact the Building Department personnel for details.

9. Electrical plans require the following:

- Provide service size and load calculations.
- Plans showing outlets, lights, smoke detectors and other electrical equipment served.

For additions or alterations to electrical systems:

- Plan of original structure showing areas being added or altered.
- Size and location of existing and proposed electrical service and subpanels. Provide service and load calculations to include the old and new loads.
- Identify the names or uses of the new areas (bedrooms, porch, etc.).
- New outlets, switches, light fixtures, smoke detectors and special outlets. (Energy Code Compliant for Shell fixtures only)

10. Mechanical plans require the following:

For heating/cooling unit cfm (cubic feet per minute) capacity, location and working space:

- Evaporative Cooler-Number of Horse Power (HP).
- Heat Pump-Tonnage and KW strip.
- Electrical AC/Furnace-Total KW demand.
- Gas Furnace-BTU/h demand or input.
- Energy Code Compliance.

Access and working space must be provided for all concealed equipment. Detail how combustion air is provided.

Size and type of ductwork with register sizes, cfm's and material used:

- Duct Sizes
- Exhaust fans size, type and location
- Dryer vent size and location. Provide calculations if over length limitations. UMC 504.3.2.2
- Attic mounted/roof mounted equipment to show method of support and engineering calculations if required. Access and a platform are to be detailed when a roof pitch exceeds 4:12 (UMC 910.5)
- Energy Code Compliance

11. Plumbing plans require the following:

- Location, size and material specification of all water and DWV (drain waste vent) piping to be shown on the plumbing floor plan. Fixture types to be indicated with appropriate symbols. Individual fixtures and fixture groups may have pipe sizes indicated in a fixture schedule.
- Location and size of gas piping with BTU/h demands and pipe lengths.
- Location, type and size of water heater. Detail combustion air requirements if gas
- Location and size of cleanouts to be shown
- Energy Code Compliance

**CITY OF WELLS
RESIDENTIAL SITE PLAN REQUIREMENTS**

The City of Wells Planning Department requires two (2) site plans on 8 ½ x 11 paper or larger for any single-family residence. The following information is required for review:

GENERAL

- Recorded lot number and subdivision name.
- Street address and APN (Parcel Number)
- North arrow and scale of drawing.
- FEMA rate zone with base flood elevation or a note indicating the project is not within a special flood hazard area (SFHA).(Engineering Department will verify.) **If construction is within a SFHA**, then the following documentation shall be provided prior to any building permit being granted:
 1. A “Floodplain Development Permit” application shall be filled out and submitted to the Engineering Dept. for review and approval, and
 2. Submit to the Engineering Dept. any additional information the “Floodplain Development Permit” application requires, and
 3. An Elevation Certificate shall be completed & must be certified by a state licensed Architect, Engineer, or Land Surveyor and submitted to the Engineering Dept. for review.
- Property boundary dimensions.
- Street right-of-way line. (Note: back of sidewalk is not the right-of-way line.)
- Utility and drainage easements.
- Curb, gutter, sidewalk and driveway location.
- Off-street parking (2 spaces within setbacks per residence.)
- Setback lines. (Check with Planning Department for current zoning and setback information).
- Dimensions to building from property lines.
- Overall dimensions of building.

GRADING AND DRAINAGE-PER APPROVED SUBDIVISION PLANS

- Finish floor or top of footing elevation for all ground floor levels.
- Finish grade elevation. Must be at least 6” below top of footing. Use a single elevation if level or spot elevations if grade varies around the building.
- Elevation of existing property corners, curb or sidewalk, and grade breaks along lot lines. In new subdivisions use grade elevations as shown on an approved subdivision grading plan.
- Toe and top of slope locations with setbacks per final approved grading plan.
- Flow line elevations with distance from structures (a minimum of 5% for 10’ away from building is required for soil surfaces, 2% for concrete & asphalt).
- Flow line grades (a minimum of 1% is required for soil, ½% for concrete).
- Other elevations and grade breaks sufficient to establish finish grade conditions.
- Storm Water Pollution Prevention Plan-Requirements dependent on project (lot) size (See Multi-Family, Commercial and Industrial Submittal Requirements Checklist).

UTILITIES

- Water and sewer main line locations.
- Water service and meter box location (1-foot in back of sidewalk).
- Sewer service location.
- Septic Tank Location & Size (If Applicable)
- State Health Approval Certificate for Septic Tank (If Applicable)