

ARCHITECTURAL (COMMERCIAL)

- (1) Clear and complete code analysis – including but not limited to:
 - Codes/year of design;
 - Type of construction;
 - Occupancy classification;
 - Occupant Load and Load Factor used;
 - Allowable/Actual floor area;
 - Allowable/Actual Building height;
 - Allowable/Actual stories;
 - Exit analysis;
 - Fire resistive requirements;
 - Plumbing fixture analysis – Required/Provided.
- (2) Scope of work – Clearly identified.
- (3) Demolition plan for alterations/remodels.
- (4) Wall types – Both on the plans and in a schedule.
- (5) Egress plan –
 - Common path of travel measurements.
 - Exit access travel distances.
 - Occupant load using specific exits.
- (6) Emergency lighting and exit signs–
 - Fixture schedule.
 - Location on plans.
- (7) interior finish materials –
 - Materials not identified;
 - Test certificates not provided for Class A and B materials.
- (8) Accessibility –
 - Accessible routes;
 - Floor plans with elevations;
 - Restroom details;
 - Kitchen details;
- (9) Fully dimensioned floor plans.
- (10) Deferred submittals and separate permits required notes.

ELECTRICAL

- (1) Plans not signed by the C-2 Trade Qualifier.
- (2) No Sheet index.
- (3) Sinks not identified on the power plan.
- (4) GFCI protection is required for any receptacle within 6-foot of a sink. THIS IS FOR ANY RECEPTACLE WITHIN 6-FOOT OF SINK, NOT JUST COUNTER RECEPTACLES.
- (5) Provide an “approved degree of detail,” per Article 408.4(A), for panel circuits. The building occupant needs to be able to distinguish one circuit from another and have a reasonable idea of what it controls.
- (6) SCOPE OF WORK – Work description on permit application is missing or vague.
- (7) Circuiting not identified on the power plan.
- (8) Circuiting not identified on the lighting plan.
- (9) Circuit identification using term “FACP” is not allowed. Label the fire alarm circuit as “FIRE ALARM CIRCUIT.” Note: NFPA-72 also requires the words “FIRE ALARM” for this circuit identification. Abbreviations (solely) are not allowed for this item. Do not use ‘FACP.’” <https://www.ecmag.com/section/codes-standards/facp-retrovirus-doctor>
- (10) Lack of digital signature per NAC 625.610.

MECHANICAL AND PLUMBING

- (1) Food Service Drawings not included with plan set.
- (2) Plumbing Fixtures are not Watersense certified and do not show compliance with our amendments.
- (3) Lack of vents for floor drains.
- (4) Condensate drains not provided/shown.
- (5) Location of safety devices for water heater, (IE) t&p, vacuum relief valves, etc.
- (6) Failure to identify table used for gas pipe sizing.
- (7) Not providing equipment schedule for plumbing or mechanical systems.
- (8) Not providing Backflow prevention for beverage dispensers, coffee makers, etc.
- (9) Not providing Temperature limiting devices for public lavatories.
- (10) Not Identifying dryer duct material, size, length and termination point – and justification if over 14 feet.
- (11) Lack of Digital Signature per NAC 625.610.

ARCHITECTURAL (RESIDENTIAL)

- 1) Clear and complete code analysis –
 - Codes/year of design;
 - Type of construction;

Actual floor area – livable (per story), garage, basement, balcony, patios, porches, etc.

Actual Building height;

Actual stories;

Fire resistive requirements.

- (2) Fully Dimensioned Floor plans with all spaces labeled.
- (3) Manual J, Manual S, and RESCheck.
- (4) Fire Sprinklers (Required/Not Required) with backup documentation.
- (5) No sheet index.
- (6) SD and CM detectors.
- (7) Gas line isometric for entire house to include gas line sizes, BTU's of appliances, total BTU's, and total developed length.
- (8) Whole house ventilation.
- (9) Missing or incomplete electrical load calculations.
- (10) Missing GFCI and AFCI receptacles.
- (11) Plumbing – Point of connection, sizes and types of materials used for sewer and water.

STRUCTURAL

- (1) Please update the Structure Notes sheet to note material specifications (f'_c , f'_m , f_y , E etc.), required special inspection (concrete, masonry, steel etc.), reference the Geotechnical report (Company name, Report number, date), list all deferred submittal items (trusses, joists, stairs etc.), state the slab on grade is structural if applicable and note the design loads stated under IBC section 1603.1.
- (2) Please provide a digital signature in addition to the EOR electronic stamp as required per The Board of Engineers & Land Surveyors published "Electronic Submittal Digital Signature Guide" dated October 2020. A Digital Signature is required on the 1st sheet of the structural plans at a minimum. All other sheets may contain the electronic stamp and electronic signature only. For calculations only the cover sheet requires a digital signature and electronic stamp.
- (3) Structural calculations were uploaded with Structural Plans as one document. Please separate the two and upload the drawings as "Structural Plans" and the calculations as "Structural Calculations". Please note only structural drawings or structural sketches are to be uploaded as "Structural Plans". All other files including RFI responses, back up documentation and calculations are to be uploaded as "Structural Calculations".
- (4) Provide key plans in the structural calculations (for all modeled runs i.e. RISA 3D, RAM etc.) graphically showing all the members' numbered, joints numbered, member sizes, location and spans so they can be correlated with the structural drawings.
- (5) Many of the roof truss designs show a large uplift force greater than 500#. Please provide an Engineer stamped and signed plan showing the required mechanical straps to resist the uplift forces at the corresponding truss end locations.
- (6) Please note that concrete/masonry mix designs do not get reviewed/approved as a revision. The documents are to be uploaded under the main permit number as a "Mix Design" document.

- (7) It appears the stairs are hard connected to the structure at supports. Please provide updated detailing with supporting calculations showing the stair lateral design complies with ASCE 7-16 section 13.5.10.
- (8) Please submit all structural members, bolts, welding procedures and non-standard structural designs that do not comply with US Testing Standards and/or 2018 Building Code as an Alternate. Please submit the Alternate form_1003 and see the Clark County Department of Building & Fire Prevention guide BPG-002 "Alternate Materials & Methods of Construction - Building Permit Guide" for a guideline of what is required for submittal.
- (9) Please provide a narrative describing the scope of work and a summary of all changes for each revised sheet. Please remember to cloud all changes.
- (10) Deferred Submittals are not allowed for standard plans (ie. BD43-xxxx permits). Please provide Engineer stamped and signed complete structural drawings with supporting calculations. (Including but not limited to: Roof/Floor joists, steel stairs, hand/guard rails, tie-rod system, etc.)

GEOTECHNICAL

- (1) A Geotechnical Investigation is required for this project per [SNBCA](#) 1803.2. Please provide a Geotechnical Investigation in accordance with [SNBCA](#) 1803.2 & 1803.6.
- (2) Geotechnical Report Update: The Report/Update Letter is older than 12 months, please provide a digitally signed and sealed update letter addressing the current scope of work and the current site conditions based on a recent site visit. (2018 SNBCA 1803.6, #28)
- (3) A Grading Plan is required for this project per [SNBCA](#) J104.1. Please provide a Grading Plan in accordance with [SNBCA](#) J104.2. Provide sections and details through the structure at the property line. Show drainage away from foundations that complies with the soils report and local code amendments. [SNBCA](#) 1804.4 & J104.2 #9. Additionally, pursuant to [2018 CC Administrative Code Section](#) 22.02.220 (F), provide the disturbed acreage on the Grading Plan to 2 decimal places. The quantities shall be separated into on-site and off-site disturbed acreage.
- (4) Pursuant to [SNBCA](#) 1803.6 #27, provide a statement from the Geotechnical Engineer that the accepted grading and foundation plans have been reviewed and are consistent with the stated geotechnical design criteria. To avoid delays in issuing this permit, coordination is required to confirm that the review is performed on plans accepted by CCBD and not on older plans. Upload statement as a soils report file to allow us to review.
- (5) Pursuant to [SNBCA](#) J104.2 # 6, add a statement on the grading plan that the site shall be graded in accordance with the approved geotechnical report. This statement shall include the firm name that prepared the geotechnical report, the report number, and the date.
- (6) Pursuant to [SNBCA](#) 1804.4 and J104.2 #9 & #10, provide sections and details on the grading plan at property lines fence walls, retaining walls, etc. Show drainage away from foundations that complies with the soils report and local code amendments (either 2% min or 5% min slope away from foundations is required – see soils report for specifics). Swales located within 10 ft from foundations shall be sloped at 1% minimum along the flow line.
- (7) Retaining Walls on grading plan: Please provide the top of footing, top of retained soil, and top of wall elevations for all proposed retaining walls on the grading plans and call out the max retained height on the detail sheets.
- (8) include on the grading plans the 6 required Standard Stormwater Improvement Plan Notes (See link here: <https://cms8.revize.com/revize/clarknv/Required%20Standard%20Stormwater%20Improvement%20Plan%20Notes-20200910.pdf?t=1600807478018&t=1600807478018>).

- (9) The disturbed area is more than 1 acre or within ¼ mile from a wash/waterway (any area). Please provide the following Stormwater Pollution Prevention Program (SWPPPs) documentation (See the Las Vegas Valley Construction Site Best Management Practices Guidance Manual for details, including checklists in Appendix B):
 - a. Fill out and submit a copy of the Construction Permit Submittal Checklist.
 - b. Fill out and submit a copy of the Performance Standards Compliance Checklist.
 - c. Submit a copy of NOI submitted to NDEP.
 - d. Submit a copy of the letter of authorization from NDEP (A copy of the receipt for payment of the annual fee that is due at the time of filing is also acceptable).
- (10) Digital Signature: Please provide a geotechnical report/grading plan with a digital signature and date ([SNBCA J104.2, #24](#)). For specifics on digital signatures, see the [Electronic Submittal Digital Signature Guide](#) by the Nevada Board of Professional Engineers.
- (11) Pursuant to [2018 CC Administrative Code](#) Section 22.02.220 (F), provide the disturbed acreage on Civil Plans to 2 decimal places. The quantities shall be separated into on-site and off-site disturbed acreage.

REVISIONS

No Narrative/Narrative too vague/more pages uploaded than what is stated in the narrative provided.

- Lack of a separate narrative (can be an additional plan page or 8 ½ x 11) clearly describing the changes. This should come from the design professional.
- Not identifying the pages have changes in LIST FORMAT. Each sheet/page and change should be a SEPARATE LINE ITEM.
- Not describing the changes for that particular page in detail (PAGE BY PAGE).
- Uploading all plans sheets instead of ONLY the revised sheets (the pages that have changes).
- Not providing CLOUDS on the plans or the Designated DELTA.

Not uploading the HOURLY REVISION FORM – Completely filled out both pages.