



Structural System Compliance Check:

1. Foundation Design

- Compliance with IBC requirements for soil bearing capacity: [Compliant](#)
- Adequacy of foundation design for load-bearing: [Adequate](#)
- Pass/Fail: [Pass](#)

2. Structural Frame and Load Bearing Walls

- Compliance with design loads (dead, live, roof, wind, seismic, etc.): [Compliant](#)
- Proper use of materials and connection details: [Proper](#)
- Pass/Fail: [Pass](#)

3. Seismic Design Requirements

- Adequacy of seismic design and detailing per IBC and ASCE 7: [Adequate](#)
- Incorporation of seismic force-resisting systems: [Incorporated](#)
- Pass/Fail: [Pass](#)

4. Wind Resistance

- Compliance with IBC wind load requirements and proper design for wind resistance: [Compliant](#)
- Use of wind-resisting systems and components: [Used](#)
- Pass/Fail: [Pass](#)

5. Floor Systems

- Adequacy of floor systems for live load and deflection criteria: [Adequate](#)
- Compliance with material specifications and spans: [Compliant](#)
- Pass/Fail: [Pass](#)

6. Roof Structures

- Compliance with design requirements for roof loads, including snow and drainage: [Compliant](#)
- Proper detailing for trusses, rafters, and sheathing: [Proper](#)
- Pass/Fail: [Pass](#)

7. Lateral Load Resisting Systems

- Adequacy and compliance of lateral systems for wind and seismic forces: [Adequate](#)
- Integration of shear walls, bracing, and other lateral force-resisting elements: [Integrated](#)
- Pass/Fail: [Pass](#)

8. Material Quality and Testing

- Use of specified materials and compliance with quality standards: [Compliant](#)
- Performance of required material testing (concrete, steel, etc.): [Performed](#)
- Pass/Fail: [Pass/Fail]

9. Construction Details and Notes

- Clarity and completeness of construction details and notes: [Clear](#)
- Adequacy of detailing for connections, expansions, and contractions: [Adequate](#)
- Pass/Fail: [Pass](#)

10. Code Compliance and References

- Reference to applicable codes (IBC, ACI, AISC, etc.) and compliance with their requirements: [Referenced](#)
- Incorporation of code-mandated design and construction practices: [Incorporated](#)
- Pass/Fail: [Pass]

Summary:

- Overall Structural Compliance: [Pass]
- Details/Comments: There is nothing of note to be corrected.